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**Checklist of catfishes, recent and fossil
(Osteichthyes: Siluriformes),
and catalogue of siluriform primary types**

CARL J. FERRARIS, JR.



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Auckland, New Zealand

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Checklist of catfishes, recent and fossil (Osteichthyes: Siluriformes), and catalogue of siluriform primary types

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Abstract

A checklist of Recent and fossil catfishes (Order Siluriformes) is presented, summarizing taxonomic literature published through 2005. From 4624 nominal species group names and 810 genus group names, 3093 species are recognized as valid, and are distributed among 478 genera and 36 families. Distributional summaries are provided for each species, and nomenclatural synonymies, including relevant information on all name-bearing types, are included for all taxa. One new name is proposed herein: *Clariallabes teugelsi*, as a replacement for *Clarias (Allabenchelys) dumerili longibarbis* David & Poll, 1937, which is preoccupied by *Clarias longibarbis* Worthington, 1933, but has been treated as a valid species of *Clariallabes* by Teugels. *Acrochordonichthys melanogaster* Bleeker, 1854, is designated as type species of *Acrochordonichthys* Bleeker, 1857, inasmuch as no earlier valid designation has been found. A new genus *Pseudobagarius*, is proposed for the “*pseudobagarius* group” of species formerly placed in *Akysis*. The status of 228 species group names remains unresolved and 31 names based on otoliths ascribed to catfishes are listed but not placed into the checklist. The current emphasis given to catfish taxonomy at present is likely to result in a dramatic increase in the total number of valid taxa as well as major changes in the membership of some of the higher level taxa recognized here.

Key words: Nematognathi, taxonomy, nomenclature, biodiversity, freshwater fishes

Introduction

Osteichthyan fishes of the Order Siluriformes, known by the English common name of catfishes, form a well diagnosed natural group of primarily freshwater fishes. Most catfishes are apparently tolerant of only fresh water but the salinity tolerance of several species extends to, or is even limited to, estuarine or even oceanic levels of salinity. Thus, while most catfishes are recorded from inland waters, the distribution of the order also includes coastal regions of continents and nearby islands. Catfishes often have large, heavy bones that lend themselves to fossilization and, comparatively large otoliths. As such, a large number of species of catfishes have been named from complete or partial skeletal fossils or even from only otoliths.

A checklist of named Recent and fossil catfishes is presented herein. The checklist is thought to be complete through the end of 2005 for available names proposed for catfishes and literature that treats taxonomic issues involving catfish taxa. From 4620 nominal species group names and 805 genus group names, 3088 species are recognized as valid, and are distributed among 477 genera and 36 families (Table 1). In addition, 228 species group names are of uncertain validity and are in need of further study. Of the valid taxa, 19 genera and 72 species are based exclusively on fossil remains. Additionally, 2 genera and 31 species names that are based exclusively on otoliths are listed herein but are not included in the above mentioned totals.

TABLE 1. Numbers of valid genera and species of catfishes (Order Siluriformes) and unplaced species-group names, arranged by family. Fossil taxa included in generic and species totals and also listed separately. Otolith based names are not included in any of the summary statistics.

	Genera	Species	Species inquirendae	Fossil genera	Fossil species
Akysidae	5	47	0	0	0
Amblycipitidae	3	27	3	0	0
Amphiliidae	12	66	0	0	0
Anchariidae	2	5	0	0	0
Andinichthyidae	3	3	0	3	3
Ariidae	26	133	56	0	13
Aspredinidae	12	36	0	0	0
Astroblepidae	1	54	0	0	0
Auchenipteridae	20	94	12	0	0
Austroglanididae	1	3	0	0	0
Bagridae	23	189	33	4	11
Callichthyidae	8	194	0	0	1
Cetopsidae	5	41	0	0	0
Chacidae	1	3	0	0	0
Clariidae	17	113	12	0	2
Claroteidae	17	83	6	1	3
Cranoglanididae	1	3	0	0	0
Diplomystidae	2	6	0	0	0
Doradidae	30	77	4	0	0
Heptapteridae	24	189	3	0	0
Hypsitoridae	1	2	0	1	2
Ictaluridae	7	64	5	1	14
Lacantuniidae	1	1	0	0	0
Loricariidae	96	716	3	0	0
Malapteruridae	2	19	0	0	0
Mochokidae	10	188	3	0	0
Nematogenyiidae	1	2	0	0	1
Pangasiidae	5	30	2	1	2
Pimelodidae	29	93	16	0	4
Plotosidae	10	35	2	0	0
Pseudopimelodidae	5	29	1	0	0
Schilbidae	14	62	1	0	0
Scoloplacidae	1	4	0	0	0
Siluridae	12	94	28	0	3
Sisoridae	22	168	8	0	1
Trichomycteridae	41	207	1	0	0
Incertae sedis	8	13	29	7	10
Total valid taxa	478	3093		18	70
Total species inquirendae			228		
Otolith-based names				2	31

The primary objective of compiling this checklist is to provide catfish taxonomists with a framework for future studies by summarizing published information on the taxonomy and nomenclature to date, while at the same time highlighting problematic names and taxa that deserve special attention. Valid species that are not placed in genera or, in some cases, families are indicative of broader problems with current taxonomy of the group into which these taxa belong. Species that have been variously placed in one of two or three genera suggests that one or more of the genera are likely not natural and, therefore, a situation that is in clear need of further study. Catfish taxonomy has long suffered from having many monogeneric, or even monotypic, families. These taxa may indicate highly distinctive taxa but say nothing about the relationship of these “families” within catfishes. Although there is no real distinction between recognizing monotypic families and treating the included species as *Incertae sedis* in the Siluriformes, named families that have been treated in recent times continue to be listed as such here. Names that have not been treated in recent years as either valid taxa or synonyms, and therefore placed as herein *species inquirendae*, have in some cases simply been overlooked and likely to be easily associated with a species after study. Others suffer from poor published descriptions, with or without an unambiguous type specimen, and may not be readily linked with any species. Such names may need to be eliminated as available names in the future, but it is too early to do so at this time. In most cases, such names appear to be part of particularly problematic families that need more attention, which may shed light on the appropriate disposition of at least some of those names.

By their very nature, checklists can only represent the state of the taxonomy of the included group for a brief period of time and are out of date soon thereafter. As such, checklists represent a snapshot of a continually evolving attempt to document the biological diversity of a group of organisms. The ephemeral nature of checklists is especially true for this work because of the relatively large amount of taxonomic research that is currently being conducted on catfishes. This is due, at least in part, to the ongoing All Catfish Species Inventory (ASCI), which has focused attention on catfishes and encouraged the publication of reports on the discovery of previously unnamed species as well as revisionary studies. As an example of this emphasis on catfish taxonomy, for 2005 alone 86 publications are listed herein, which include the descriptions of more than 100 newly-named species of catfishes and eight revisionary studies. It is likely that comparable numbers of papers and newly discovered catfish taxa will be published over the next several years, which translates to an approximate increase of up to 10% in number of recognized species during the next few years. The impact of ASCI on the rate of publication of catfish taxonomic studies is likely to extend years into the future, which suggests that a future catfish checklist will be larger and, quite possibly, substantially different in arrangement than the one presented here. Nonetheless, publication of this checklist at this time is considered appropriate to bring to attention taxa in special need of study, and all of the names that need to be treated in these studies, so that future checklists will have fewer such unresolved problems.

Methods and conventions

Valid taxa. Taxa are hierarchically arranged in alphabetical order at the level of families, genera and species, with valid names highlighted in bold font. Intermediate levels (i. e., subfamilies, tribes, subgenera) and subspecies are not used. Taxa generally accepted in the literature as valid subspecies are listed as valid species here. Names treated variably as subspecies and as synonyms of a species are placed as synonyms here.

After each valid name is the author and year of publication of the information necessary to make the name available. Additional information that facilitates linking the name to the publication in which it was made available will be found in the appropriate entry in the synonymy that follows each valid name.

Species that are treated in recent literature as valid, but of uncertain generic assignment are listed at the beginning of the Family to which they belong, under the heading *Incertae sedis*, with the originally proposed scientific name. These species are considered valid, but not in the genera in which they were described and,

possibly, not in any of the listed genera. Valid catfish genera of uncertain family placement, and any species associated with that generic name, are listed in chronological order after the last family account under the heading of *Siluriformes Incertae sedis*.

A number of available species names and generic names could not be placed either as a valid name or as a synonym of another name. Often, these names were overlooked in previous taxonomic studies, or proposed with descriptions that were not sufficiently precise to allow the assignment the name to a particular species and the type or types are either missing or otherwise unavailable for study. Generally, such names have not been treated in recent literature or treated as a name of uncertain status. Herein, these names are included at the end of the taxon to which their assignment could be confidently made, under the heading *Species inquirenda* (*Species inquirendae*, pl.) for species names and *Genus inquirendum* (*Genera inquirendae*, pl.) for generic names. Names of uncertain species status that also cannot be assigned to any genus are listed at the end of the family account, and names not assignable to any family are listed at the end of the checklist as *Siluriformes Inquirendae* immediately after *Siluriformes Incertae sedis*.

Valid names are corrected, as necessary, to conform to the spelling conventions specified in The International Code of Zoological Nomenclature (ICZN, 1999). That is, species-group names that were originally proposed with an initial capital letter and any name that included a diacritic mark have been corrected to a lower-case initial letter or appropriately modified spelling, respectively. Names based on fossils, both valid and junior synonyms, are preceded by a dagger (†).

For each species, a statement of the geographical distribution is provided. Generally, the statement refers to one or more river basins, but lakes, or land masses are sometimes listed as the best summary of the distribution. Distribution statements are generally based on recently-published accounts of the most comprehensive recorded distribution but in some cases reports from two or more sources were cited. For some species, the distribution is based on personal observation or just the locality of the type(s). Geographical names are in English and the spellings are the preferred spelling in Webster's Geographical Dictionary.

Family names treated here as valid are those in current use by practicing catfish taxonomists. In some cases, those names appear not to correspond with the oldest available name for the family, as shown by the synonymies presented under each valid family name. It was decided not to strictly adopt the senior synonyms for families at this time, inasmuch as the names listed here (derived from Ferraris & de Pinna, 1999) might not represent the earliest usage. Family-group names have in some cases been casually proposed in early literature and subsequent usage usually did not include an indication of the source of the names. Thus, is it still possible that names adopted here as valid are indeed older than some that appear in the list of synonyms to have been proposed earlier.

Synonymies. In the synonymies, data are presented in the following sequence. For species group names: Species name; Author(s) and date of publication of the name; Citation to source publication of the name, if different from that of the name's author; Page(s) in which the name is made available; Figure(s) of the name's type(s) in the publication; Type locality; Information on the identity of the primary type(s), including, when appropriate, citation to the restriction of the primary type to a single specimen; Expanded description of the species by the name's author; and Published illustration(s) of the primary type specimen (or a syntype) in subsequent literature.

For generic names: Genus or subgenus name; Author(s) and date of publication of the name; Citation to source publication of the name, if different from that of the name's author; Page(s) in which the name is made available; Type species; Source for type species' designation; Gender of name; and, for names originally proposed as a subgenus, the generic name within which the subgenus was originally proposed.

In synonymies, the spelling of a name is reported as it appears in the original description, including diacritic marks and upper case initial letters in species group names. If more than one spelling is found in the original description, the variant spellings are noted and the valid spelling is listed at the head of the synonymy.

A citation is provided for the first reviser action that provided the basis for the decision on which spelling is treated as valid.

The date of publication of names listed herein represents the best available information of the year that the publication containing the new name, or that portion of the publication in which elements necessary to make the new name available, was actually issued. When necessary, the cited date is followed by the range of dates within which the publication was issued, to facilitate bibliographic access to the publication in question.

The type locality is that which was reported by the author of the name, either in the account of the species or elsewhere in the publication. In some species accounts, the type locality is erroneously reported, place names are misspelled or the locality information is brief or ambiguous. Sometimes, additional information that clarifies a vaguely-expressed type locality is added in square brackets. All stated localities of a syntype series are listed and, when appropriate, the locality of the selected lectotype is noted. When a neotype was selected to replace a missing primary type, the stated type locality is that of the neotype and not the original type(s). If the originally-cited type locality was found to be incorrect, the corrected type locality is reported in brackets with supporting documentation.

Page numbers provided for each proposed new name represent the page of the publication in which the name is first proposed as new and for which information is provided that makes the name available. In a few cases, two page numbers are listed, because the information needed to make the name available is divided between those two pages. In some 19th and early 20th Century journals, offprint of articles were issued with pagination that differs from that of the article in the journal. In general, the page number cited herein is that found in the journal and not that of the offprint. However, if an offprint was issued in advance of the journal and does not include the pagination of the journal, the listed page number is that of the offprint. In a few cases, cited publications were issued without pagination. New names described in such publications are listed with a page number enclosed in square brackets, with the assumption that the article containing the new name began on page 1. Cuvier & Valenciennes' (1828–1850) *Histoire naturelle des Poissons* was issued in two, apparently simultaneous, editions. One edition, called the Regular Edition, consists of 22 volumes in octavo format. The other, called the Strasbourg Deluxe Edition, consists of the same number of volumes, but in a slightly larger, royal octavo, format. Although the contents of each volume the two editions are apparently identical, the pagination of the volumes differs, with fewer pages in the Strasbourg deluxe edition. Although the existence of the two editions is well known (e. g., Dean, 1916: 287), most authors have access to only one of the editions (usually the Regular Edition, which is more widely available), which has resulted in a certain amount of confusion about the correct page of a new name. Herein, the page number of the Regular Edition is listed, with the pagination of the Deluxe edition in square brackets.

Museum codes that are listed for primary type specimens used here are primarily those found in Eschmeyer (1998). A few additional codes were added, based on information provided by the author of a publication in which a new code was used. A list of the codes used herein, with the name and city and country of the institution, is provided in Appendix 2, which precedes the list of References. Museum names for which no code was created, or for which a published code conflicts with one used in Eschmeyer (1998), are written out in full.

Only primary type specimens are reported here, including literature citations to specimens that must be treated as part of a syntype series. When reported in the original description, the number of syntypes that comprise the type series is listed in after the word 'Syntypes' and before the colon (:). If the number of syntypes included within a single catalog number is known, that number is listed in parentheses immediately following the catalog number. In some cases, only a single syntype has been identified, and the actual number of syntypes is not known. That specimen is identified as a syntype (singular) in order to assure that it is not treated as a lectotype designation. For holotypes or syntypes that have not been found, or for which there is some question of the validity of the listed specimen (s), the size or range of sizes of the specimen(s) reported in the original description is listed, as stated by the author of the name, to assist in the verification process. Catalog or

register numbers follow the numbering system used by the museum, whenever possible. The numbering system generally follows that which is listed in a museum's on-line catalog. For example, MNHN now uses a prefix consisting of either a small letter "a" or "b", or a four digit number that represents the year of accession (or 0000 for unknown year), followed by a unique four-digit number for each prefix, separated from the prefix by a dash. Other published versions of the catalog numbers for this museum's holdings variously replace the dash by a period, using capital letters rather than small letters in the prefix, and dispensing with the "0000" prefix or any leading zeros in the four-digit number. The Stanford University collection code (SU) is sometimes replaced by CAS-SU, indicating that the material is currently at the California Academy of Sciences. In addition, the Stanford specimen catalog numbers are sometimes replaced by an equivalent catalog number of the CAS numbering system, which was generated by adding 100,000 to the SU catalog number, and replacing SU with CAS. For example, SU 1040 may be seen as written CAS-SU 1040, or CAS 101040. Herein, the original numbering system, with the SU museum code, is followed.

When catalog numbers of types were found to differ from those reported in recent literature, the discrepancy was noted in order to indicate that the numbers reported herein were not the result of typographical errors. One class of error that requires explanation relates to a portion of the Bleeker collection that was registered at the Natural History Museum in London. That collection was registered with the prefix of BMNH 1863.12.4.XXX, but the jar labels for those specimens often listed the prefix as BMNH 1863.12.11.XXX. These incorrect registration numbers were the basis for several published reports of the types, and possible types, of Bleeker catfish names. Herein, published reports of the incorrect number are noted in the remarks of the species account to prevent future use of those same numbers.

The following terms are used in cases where the type specimen(s) are not listed: No types known.— apparently types were never saved, because the descriptions may have been made from specimens that were subsequently discarded, or from illustrations for which the underlying specimens were not retained; Whereabouts unknown.— type specimens were apparently preserved and deposited in a collection but the current location is not known. This does not preclude the possibility that the specimen is in the stated collection (if recorded), but it has not been recognized as a type; At [Museum code].— there is good reason to believe that the specimen was deposited in the collections of the museum listed, but the specimen has not been recognized as a type, or the catalog number of the specimen was not yet found.

Within the synonymies, names are arranged chronologically. Multiple synonyms proposed in a single publication are listed alphabetically by name. If two or more junior synonyms were published in the same year by different authors, the synonyms are ordered alphabetically by author, except when one name is the valid name, in which case that name is listed first.

Type localities for species names are localities as written in the original descriptions, when possible. Type localities from publications written in alphabets other than Roman were written in a transliterated form. When the publication containing an original description was not examined, the type locality was taken from that listed in the Catalog of Fishes (Eschmeyer *et al.*, 1998).

Classification. By their nature, checklists can only provide a single classification of the included taxonomic diversity. This becomes problematic in situations where recently published literature includes competing ideas on the phylogeny and/or classification of one or more taxonomic groups. This was indeed the case for several groups of catfishes and I was forced to make decisions on how best to summarize the diverse conclusions on catfish taxonomy. In some cases, the classification that was grounded on a hypothesis of phylogenetic relationships was used over another that lacked such grounding. However in other cases, none of the recently proposed classifications were based on a phylogenetic study or, alternatively, more than one phylogenetically-based study disagreed on some aspects of the resulting classification. When left with no single classification to adopt, I attempted to integrate available phylogenetic information together with historically accepted studies to provide a classification that appears to be best supported. Studies that were used to form the final classi-

fication are cited immediately after the synonymy of the taxon, with comments listed in a remarks section. Undoubtedly, this classification will not please all catfish taxonomists and even those whose studies I drew upon for my classification may feel that their results were misinterpreted. It must be recognized by anyone who uses this checklist that the classification represents my attempt to interpret recent taxonomic literature and may not accurately reflect the ideas of the specialists of the various catfish groups.

Relevant literature. Following the family and Generic synonymies, literature citations are listed that were consulted in making the taxonomic decisions used herein, and were the source of many of the listed distributional summaries. The literature citations are subdivided into categories that indicate the nature of the underlying studies, using the following categories: Taxonomic summary.— listing of valid taxa with nomenclatural summary, without diagnoses or characters for identification; Checklist.— listing of valid taxa without nomenclatural summary, without diagnoses or descriptions; Identification guide— diagnoses of taxa, usually species, generally with illustrations; Revision.— taxonomic summary of all included taxa, with descriptions of all valid species; Review.— Regionally based taxonomic summary, generally with nomenclatural summary and redescriptions of included taxa; Fauna.— regionally based summary, with diagnoses, but usually not with complete nomenclatural summary or redescriptions; Phylogeny.— character based interpretation of phylogenetic history; and Monophyly.— characters presented that demonstrate the monophyly of the group, but interrelationships within the group were not discussed.

References. Literature citations are arranged alphabetically by author(s) and then chronologically by year. When multiple publications were issued within a single year by a single author, or combination of authors, the publications are arranged alphabetically by journal title and, if needed, by pagination within a journal, followed by books or chapters in books, rather than attempting to arrange them by more precise publication date. These publications are noted by lower case letters following the year of publication in the text as well as the References section. In some cases, the use of this convention results in the listing of a publication annotated with a lower letter of the alphabet than a paper published earlier. The difficulty in determining the precise date of publication, or even the relative dates of publication of two papers issued in the same year, made it unnecessarily complicated to attempt to arrange publications chronologically within a year. When considered relevant to the resolution of a issue of priority, more precise dates of publication are cited in brackets at the end of citations. More precise publication dates may be obtained in some cases by consulting the bibliography in Eschmeyer (1998).

Otolith-based names. Names that were proposed based only on otoliths for species that were included in catfish genera, or otherwise hypothesized to be included in the Siluriformes, are listed in a separate section of this publication. The names are listed in chronological order, and no attempt was made to distinguish between valid names and junior synonyms or to place the names into the classification, In most cases, names based on otoliths have been interpreted as belonging to catfishes of the family Ariidae.

Acknowledgments

Completion of this checklist required access to an immense amount of literature. Examining this literature was accomplished by traveling to institutions in several continents, obtaining copies of publications from colleagues and, for more recent publications, accessing on-line sources. These various activities were accomplished with the assistance of several institutions, colleagues and friends, and without this assistance I cannot imagine how I could have been completed this project.

The following institutional and personal libraries were consulted during research visits: The Natural His-

tory Library, the Cullman Library, the Vertebrate Paleontology Library, the Division of Fishes Library, and the personal library of Dr. Richard Vari, at the National Museum of Natural History, Smithsonian Institution, Washington; The Research Library, the Dean Memorial Library, the Vertebrate Zoology Library and the personal library of Dr. John Maisey at the American Museum of Natural History, New York; The Vertebrate Zoology Library and the personal library of Dr. Sven Kullander, at the Swedish Museum of Natural History, Stockholm; The main library at The Natural History Museum, London; the Maillard Library and the Ichthyology Department Library at the California Academy of Sciences, San Francisco.

Remote access to the Zoological Record and electronic access to journals was arranged by the staffs of the American Museum of Natural History library and the Maillard library of the California Academy of Sciences (CAS). Interlibrary loans were arranged through the CAS library, with the generous assistance of Annie Malley, Larry Currie and, especially, Patty Shea-Diner. Richard Vari, Heok Hee Ng and John Friel located, and provided me with, copies of publications that I was otherwise unable to find. Years ago, Dr. James Atz generously gave me much of his reprint library that dealt with catfish taxonomy and, similarly, the late Mel Rosen gave me relevant portions of the library of her husband, the late Dr. Donn Rosen.

Dr. Maurice Kottelat generously shared with me information on Southeast Asian catfish nomenclature and taxonomy that he has been compiling. Dr. Ralf Britz examined specimens and literature at the Natural History Museum, London, that was otherwise unavailable to me. Todd Stevenson assisted in preparing the Literature cited, with financial support from the All Catfishes Species Inventory. Portions of this checklist were reviewed by Drs. John Lundberg, John Friel, and Mark Sabaj. The assistance of all of the people named above was greatly appreciated, inasmuch as each contributed valuable insights that improved the quality of the checklist.

In preparing this checklist, I drew heavily on the information and interpretations of several previous publications, most notably the Catalog of Fishes (Eschmeyer, 1998), CLOFFA (Daget *et al.*, 1986), and CLOFFSCA (Reis *et al.*, 2003). The efforts of the authors and editors of these publications, as well as numerous others that cannot all be listed here, to sort out the taxonomic and nomenclatural issues that relate to catfishes is gratefully acknowledged.

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And, finally, I thank my wife, Susana Ferraris, for tolerating the piles of books, papers, and computer hardware that have been scattered across the house over the past few years, as well as for her patience at the lack of progress on the many household projects that were delayed while this checklist was being prepared.

SILURIFORMES Cuvier, 1816

Taxonomic overview: Burgess (1989), Teugels (1996), Teugels (2003a), Nelson (2006).

Fauna: Eigenmann (1920b, 1922b, 1927, western South America); Herre (1926, Philippines); Hora & Gupta (1941, Malay peninsula); Kottelat *et al.*, (1993, western Indonesia); Kottelat (2001a, Vietnam); Kottelat (2001b, Laos); Rainboth (1996, Cambodian Mekong); Skelton (1993, 2001, southern Africa); Nichols (1943, China); Chu *et al.* (1999, China); Fowler (1951a, 1954, Brazil); Le Bail *et al.* (2000, French Guiana); Jayaram (1978a, 1981, 1999, southern Asia); Tan & Ng (2000, central Sumatra), Page & Burr (1991, North America), Miller *et al.* (2005, Mexico).

Review: Day (1877a, India); Misra (1976, India and South Asia); Jayaram (1977d, various families); Menon (1999, India); Gayet & Meunier (2003, fossil taxa).

Phylogeny: Chardon (1968), Mo (1991), Arratia (1992), de Pinna (1998a), Diogo (2003a, 2004 a, b); Hardman (2005);

de Pinna (1996, several Asian families); Howes (1983b, loricarioid families), Arratia & Huaquin (1995, loricarioid families); Peng *et al.* (2005, Chinese species).
Checklist: Kottelat (1985, Cambodia); Kottelat (1989a, Indochina); Mirza (1980, Pakistan and Azad Kashmir); Gosline (1942, 1945, Neotropics); Reis *et al.* (2003, Neotropics).

AKYSIDAE Gill, 1861

Akyses Gill, 1861c: 52. Type genus: *Akysis* Bleeker, 1858.
Parakysidae Roberts, 1989a: 141. Type genus: *Parakysis* Herre, 1940.
Acrochordonichthyini de Pinna, 1996: 61. Type genus: *Acrochordonichthys* Bleeker, 1857.
Monophyly and phylogenetic position: de Pinna (1996).
Identification guide: Jayaram (1977d), South Asia.
5 genera, 47 species; no named fossil taxa.

ACROCHORDONICHTHYS Bleeker, 1857

Acrochordonichthys Bleeker, 1857b: 473. Type species: *Pimelodus melanogaster* Bleeker, 1854. Type by present designation. Gender: Masculine.

Sosia Vaillant, 1902: 81. Type species: *Sosia chamaeleon* Vaillant, 1902. Type by monotypy. Gender: Feminine.

Revision: Ng & Ng (2001).

Remarks: Earlier statements (e. g., Eschmeyer, 1990, 1998; Ng & Ng, 2001) indicating that the type of *Acrochordonichthys* as *A. platycephalus* Bleeker, 1858, are in error. They were based on a type designation in Bleeker (1862-63) which was of a species that was not among the available named species when *Acrochordonichthys* was proposed. Apparently, no valid designation of a type species have been made before now.

Acrochordonichthys chamaeleon (Vaillant, 1902)

Sosia chamaeleon Vaillant, 1902: 82, figs. 19–21. Type locality: Borneo: Raoen/Mandai. Lectotype: RMNH 7849, designated by Ng & Ng (2001: 406).

Distribution: Kapuas River basin, western Borneo (Ng & Ng, 2001).

Acrochordonichthys falcifer Ng & Ng, 2001

Acrochordonichthys falcifer Ng & Ng, 2001: 408, figs. 5–6. Type locality: Borneo: Sabah, Sungai Segama. Holotype: ZRC 43321.

Distribution: Kinabatangan and Segama River basins, northeastern Borneo (Ng & Ng, 2001).

Acrochordonichthys guttatus Ng & Ng, 2001

Acrochordonichthys guttatus Ng & Ng, 2001: 394, figs. 6–8, 10. Type locality: Borneo: Kalimantan Tengah, Barito River drainage, Sungai Barito at Muara Laung. Holotype: MZB 9301.

Distribution: Barito River basin, southern Borneo (Ng & Ng, 2001).

Acrochordonichthys gyrinus Vidthayanon & Ng, 2003

Acrochordonichthys gyrinus Vidthayanon & Ng, 2003: 2, fig. 1. Type locality: Thailand: Phitsanulok Province, Yom River at Pimpiram; the Inland fishery Station of Phitsanulok Province. Holotype: NIFI 2645.

Distribution: Yom River, Chao Phraya basin, Thailand (Vidthayanon & Ng, 2003).

Acrochordonichthys ischnosoma Bleeker, 1858

Acrochordonichthys ischnosoma Bleeker, 1858b: 232. Type locality: Java (Parongkalong provinciae Preanger), in flumine Tjitarum. Holotype (115 mm TL): BMNH 1863.12.4.151, illustrated in Bleeker (1862–63: pl. 84 [=Silur. pl. 36], fig. 4), and Ng & Ng (2001: fig. 4).

Distribution: Sumatra and Java (Ng & Tan, 2002).

Remarks: Redescribed in Ng & Tan (2002). Catalog number of holotype of *Acrochordonichthys ischnosoma* incorrectly reported as BMNH 1863.12.11.151 in Eschmeyer *et al.* (1998) and Ng & Ng (2001).

Acrochordonichthys mahakamensis Ng & Ng, 2001

Acrochordonichthys mahakamensis Ng & Ng, 2001: 400, figs. 6–7, 11. Type locality: Borneo: Kalimantan Timur, Mahakam River, boulders upstream of Melak (0°12'S, 115°47'E). Holotype: MZB 5952.

Distribution: Mahakam River, eastern Borneo (Ng & Ng, 2001).

***Acrochordonichthys pachyderma* Vaillant, 1902**

Acrochordonichthys pachyderma Vaillant, 1902: 66, figs. 11–13. Type locality: Bloeeoe, Bornéo central. Holotype: RMNH 7843 (1).

Distribution: Kapuas, Mahakam and Kinabatangan River basins, Borneo (Ng & Ng, 2001).

Remarks: RMNH 7560, from the Bo River, is incorrectly listed as a syntype in Ng & Ng (2001) and Eschmeyer *et al.* (1998).

***Acrochordonichthys rugosus* (Bleeker, 1847)**

Pimelodus rugosus Bleeker, 1847b: 11 (and 1847a: 168). Type locality: Java. Possible syntypes: BMNH 1863.12.4.150 (1), BMNH 1863.12.4.161 (1), RMNH 6883 (2).

Pimelodus melanogaster Bleeker, 1854a: 89. Type locality: Sumatra orientalis, provinc. Palembang, ubi confluent flumina Lamatang et Enim. Holotype (110 mm TL): possibly BMNH 1863.12.4.160 (see Ng & Ng: 2001: 413); holotype illustrated in Bleeker (1862–63: 67, pl. 84 [= Silur. 36], fig. 3) as *Acrochordonichthys melanogaster*.

Pimelodus pleurostigma Bleeker, 1854b: 442. Type locality: Batavia, in fluviis. Syntypes (8, 48–76 mm TL): BMNH 1863.12.4.161 (1), NMV 45993 (1), RMNH 4188 (1), RMNH 6879 (4).

Pimelodus zonatus Bleeker, 1854b: 444. Type locality: Batavia, in fluviis. Syntypes (9, 54–80 mm TL): BMNH 1863.12.4.175 (1), NMV 45992 (1), RMNH 6880 (5). One syntype illustrated in Bleeker (1862–63: 69, pl. 84 [=Silur. 36], fig. 5), as *Acrochordonichthys zonatus*.

Acrochordonichthys platycephalus Bleeker, 1858b: 224. Type locality: Sumatra (Palembang) in fluviis. Holotype (97 mm TL): BMNH 1863.12.4.152; illustrated in Bleeker (1862–63: pl. 84 [= Silur. 36], fig. 2).

Sosia chamaeleon pallida Vaillant, 1902: 87, figs. 22–24. Type locality: Kapoeas, la plupart du haut du Fleuve (Sous-bassins du Mandaiet du Sibau), Bornéo central. Lectotype: RMNH 7848, designated by Ng & Ng (2001: 406). Originally *Sosia chamaeleon* var. *pallida*.

Acrochordonichthys Büttikoferi Popta, 1904: 188. Type locality: le Bongan et le Bo, Bornéo central. Syntypes: RMNH 7557 (1), RMNH 7558 (2); described in more detail, with an illustration of one of the syntypes, in Popta (1906: pl. 3, figs. 12a, 12b).

Acrochordonichthys obscurus Popta, 1904: 187. Type locality: le Bongan, Bornéo central. Holotype: RMNH 7556; described in more detail, with an illustration of the holotype, in Popta (1906: 58, pl. 3, figs. 11a, 11b).

Acrochordonichthys varius Popta, 1904: 189. Type locality: le Bo, Bornéo central. Syntypes: RMNH 7559 (2); described in more detail, with an illustration of one of the syntypes, in Popta (1906: 63, pl. 4, figs. 13a, 13b).

Distribution: Solo, Ciliwung, Citarum River basins, Java; Barito, Kapuas, Mahakam and Rajang River basins, Borneo; Bernam, Terengganu, Mae Nam Sungai Kolok and Pattani River basins, peninsular Malaysia and Thailand; Musi and Tulangbawan River basins, Sumatra (Ng & Ng, 2001).

Remarks: See comments in Ng & Ng (2001: 413) regarding the difficulty in identifying types of species named by Bleeker. Register number of BMNH types of *Pimelodus rugosus*, *P. pleurostigma*, *P. melanogaster*, *P. zonatus*, and *A. platycephalus* incorrectly reported in Eschmeyer *et al.* (1998) and Ng & Ng (2001).

***Acrochordonichthys septentrionalis* Ng & Ng, 2001**

Acrochordonichthys septentrionalis Ng & Ng, 2001: 401, figs. 6, 12. Type locality: Thailand: Kanchanaburi Province, Kwa Noi River. Holotype: NIFI 3128.

Distribution: Mae Khlong River basin, Thailand, and Pahang River basin, Malaysia (Ng & Ng, 2001).

***Acrochordonichthys strigosus* Ng & Ng, 2001**

Acrochordonichthys strigosus Ng & Ng, 2001: 403, figs. 5–6, 8, 13. Type locality: Borneo: Kalimantan Barat, Sungai Sibau, Mouth of Sungai Putan to 3 km downstream (1°02'28.0"N, 112°59'58.6"E). Holotype: MZB 9333.

Distribution: Kapuas River basin, western Borneo (Ng & Ng, 2001).

AKYSIS Bleeker, 1858

Akysis Bleeker, 1858b: 204, 234 (and 1858d: 419). Type species: *Pimelodus variegatus* Bleeker, 1846. Type by monotypy. Gender: Masculine.

Reviews: Ng & Kottelat (1998c, Indochina, with key to species); Ng (1999e, Myanmar).

***Akysis brachybarbatus* Chen, 1981**

Akysis brachybarbatus Chen, in He & Chen, 1981: 210, fig. 2. Type locality: Nanrui River, Mekong River system,

Manglian Co., Yunnan, China. Holotype: KIZ 787162.

Distribution: Lancangjiang [= Mekong River] tributaries, China (Chu *et al.*, 1999).

Akysis clavulus Ng & Freyhof, 2003

Akysis clavulus Ng & Freyhof, 2003: 312, figs. 1–2. Type locality: Vietnam: Khanh Hoa province: Song Duc My about 10 km west of Ninh Hoa; 12°32.22'N, 109°01.38'E. Holotype: ZFMK 27159.

Distribution: Cai and Duc My rivers, central Vietnam (Ng & Freyhof, 2003).

Akysis clinatus Ng & Rainboth, 2005

Akysis clinatus Ng & Rainboth, 2005: 34, fig. 1. Type locality: Cambodia: Stung Chhay River, Tok Kong village on road from Phnom Penh to Skhanoukville, 10°56'37.8"N 113°47'47.4"E. Holotype: ZRC 47288.

Distribution: Stung Chhay River, a Gulf of Thailand draining basin, Cambodia (Ng & Rainboth, 2005: 35).

Akysis ephippifer Ng & Kottelat, 1998

Akysis ephippifer Ng & Kottelat, 1998c: 1078, fig. 11. Type locality: Cambodia: Stung Santréa, 40 km from Pomnac. Holotype: MNHN 1977-0034.

Distribution: Xe Kong basin, Lower Mekong drainage, Laos and Cambodia (Ng & Kottelat, 1998c).

Akysis fuliginatus Ng & Rainboth, 2005

Akysis fuliginatus Ng & Rainboth, 2005: 35, fig. 4. Type locality: Cambodia: Stung Treng province, Mekong River on W edge of Kaoh Han, 16 km NE of Stung Treng, 13°38'N 106°3'E. Holotype: UMMZ 241338.

Distribution: Lower Mekong River basin, Cambodia (Ng & Rainboth, 2005: 37).

Akysis hendricksoni Alfred, 1966

Akysis hendricksoni Alfred, 1966: 467, fig. 1. Type locality: Terengganu River at Kuala Brang, Terengganu, Malaya. Holotype: ZRC 1414.

Distribution: Sungai Golok, Sungai, Terengganu, Sabak Bernam, and Endau basins, peninsular Malaysia and Thailand (Ng & Tan, 1999).

Akysis heterurus Ng, 1996

Akysis heterurus Ng, 1996: 4, figs. 1–2. Type locality: Sumatra: Jambi, Sg. Alai at 19.5 km Muara Bungo-Muara Tebo road. Holotype: ZRC 34194.

Distribution: Batang Hari River basin, eastern Sumatra (Ng, 1996).

Akysis maculipinnis Fowler, 1934

Akysis maculipinnis Fowler, 1934a: 97, fig. 46. Type locality: Chantaboon, Southeast Siam. Holotype: ANSP 59366.

Distribution: Rivers of southeastern Thailand (Ng & Kottelat, 1998c).

Akysis microps Ng & Tan, 1999

Akysis microps Ng & Tan, 1999: 359, fig. 5. Type locality: Malaysia: Johor, Sungai Kahang and tributary ca. 44.4 km from Mersing turnoff to Kluang just before side road to Endau Rompin Taman Negara, km 96 from Mersing to Batu Pahat (2°3.93'N, 103°31.58'E). Holotype: ZRC 42596.

Distribution: Endau River basin, southeastern Malay Peninsula (Ng & Tan, 1999).

Akysis pictus Günther, 1883

Akysis pictus Günther, 1883: 138. Type locality: Tenasserim [Burma]. Syntypes: BMNH 1880.12.1.25–26 (2); illustrated in Ng (1999e: 542, fig. 1).

Distribution: Southeastern Myanmar, in former Tenasserim district; known only from types (Ng, 1999e).

Remarks: Redescribed in Ng (1999e).

Akysis prashadi Hora, 1936

Akysis variegatus variegatus Prashad & Mukerji, 1929: 180, pl. 8 (figs. 1–2). Type locality: South end of Indawgyi Lake, along sw. shore, Myitkyina Dist., Upper Burma. Holotype: ZSI F10873/1. Preoccupied in *Akysis* by *Pimelodus variegatus* Bleeker, 1846; replaced by *Akysis prashadi* Hora, 1936.

Akysis prashadi Hora, 1936a: 200, figs. 1, 2 (b–c). Type locality: South end of Indawgyi Lake, along sw. shore, Myitkyina Dist., Upper Burma. Holotype: ZSI F10873/1.

Distribution: Indawgyi Lake and northern Irrawaddy River basin, Myanmar (Ng, 1999e).

Remarks: Redescribed in Ng (1999e).

Akysis recavus Ng & Kottelat, 1998

Akysis recavus Ng & Kottelat, 1998c: 1090, fig. 16. Type locality: Thailand: Western Chao Phraya basin. Holotype:

ZRC 40716.

Distribution: Western Chao Phraya basin, Thailand (Ng & Kottelat, 1998c).

Akysis variegatus (Beeker, 1846)

Pimelodus variegatus Bleeker, 1846: 177. Type locality: Batavia. Syntypes: BMNH 1863.12.4.187 (1), possibly NMV 46004 (1), RMNH 6881 (16).

Distribution: Java.

Remarks: Register number of syntype of *Akysis variegatus* incorrectly reported as BMNH 1863.12.11.187 in Eschmeyer *et al.* (1998).

Akysis varius Ng & Kottelat, 1998

Akysis varius Ng & Kottelat, 1998c: 1093, fig. 18. Type locality: Xe Bangfai, ca 3 km upriver of Pan Pakphanang, Khammouan Prov., Laos. Holotype: ZRC 41015.

Distribution: Mekong River basin, Laos, Cambodia and Thailand (Kottelat, 2001).

Akysis vespa Ng & Kottelat, 2004

Akysis vespa Ng & Kottelat, 2004: 194, fig. 1. Type locality: Myanmar: Kayin State, stream "Chon Son" between Kyondaw and Phadaw, about 20 km NW of Payathouzu (at border with Thailand), 15°25'N, 98°15'E. Holotype: ZRC 46423.

Distribution: Ataran River basin, Myanmar (Ng & Kottelat, 2004).

BREITENSTEINIA Steindachner, 1881

Breitensteinia Steindachner, 1881a: 46. Type species: *Breitensteinia insignis* Steindachner, 1881. Type by monotypy. Gender: Feminine. Also reported as new in Steindachner (1881e: 213).

Revision: Ng & Siebert (1998).

Breitensteinia cessator Ng & Siebert, 1998

Breitensteinia cessator Ng & Siebert, 1998: 647, fig. 1. Type locality: Borneo: Kapuas mainstream 58 km NE of Sintang and 1 km downstream from Sebruang, (0°25.5'N, 111°52.5'E). Holotype: MZB 3693.

Distribution: Batang Hari and Tulangbawan basins, Sumatra, and Kapuas River basin, western Borneo (Ng & Siebert, 1998).

Breitensteinia hypselurus Ng & Siebert, 1998

Breitensteinia hypselurus Ng & Siebert, 1998: 650, figs. 3, 4a. Type locality: Borneo: Sanggau. Holotype: RMNH 16048.

Distribution: Kapuas River basin, western Borneo (Ng & Siebert, 1998).

Breitensteinia insignis Steindachner, 1881

Breitensteinia insignis Steindachner, 1881a: 46. Type locality: Teweh [= Moara Teweh, Barito River, Borneo]. Holotype: NMW 55042, illustrated in Steindachner (1881f: pl. 1, fig. 2) and described in more detail in Steindachner (1881e: 213).

Distribution: Barito River basin, southern Borneo (Ng & Siebert, 1998).

PARAKYSIS Herre, 1940

Parakysis Herre, 1940: 11. Type species: *Parakysis verrucosa* Herre, 1940. Type by original designation. Gender: Masculine. Name treated by Herre as feminine, but subsequently treated as masculine (Ng & Lim, 1995), presumably following the gender of *Akysis*.

Revision: Ng & Lim (1995).

Parakysis anomalopteryx Roberts, 1989

Parakysis anomalopteryx Roberts, 1989a: 142. Type locality: Kapuas basin, Sungai Seriang, a forested tributary of the Sungai Palin, 37 km W of Putussibau, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3702.

Distribution: Kapuas River basin, western Borneo (Ng & Lim, 1995).

Parakysis grandis Ng & Lim, 1995

Parakysis grandis Ng & Lim, 1995: 260, fig. 7. Type locality: Sumatra: Riau Province, small stream with grassy

banks near Pangkalankasai, 43 km. south of Rengat. Holotype: ZRC 39111.

Distribution: Kapuas and Kuching River basins, Borneo; Deli, Indragiri, and Batang Hari basins, Sumatra (Ng & Lim, 1995).

Parakysis longirostris Ng & Lim, 1995

Parakysis longirostris Ng & Lim, 1995: 262, fig. 8. Type locality: Singapore: Nee Soon swamp forest. Holotype: ZRC 34491.

Distribution: Singapore, peninsular Malaysia and Riau Archipelago (Ng & Lim, 1995; Ng & Tan, 1999).

Parakysis notialis Ng & Kottelat, 2003

Parakysis notialis Ng & Kottelat, 2003: 48, figs. 1, 2a, 3a. Type locality: Borneo: Kalimantan Selatan, Barito River drainage, area of Tamiyang Layang, 2°01'S, 115°07'E. Holotype: MZB 5994.

Distribution: Barito River basin, southern Borneo (Ng & Kottelat, 2003).

Parakysis verrucosus Herre, 1940

Parakysis verrucosa Herre, 1940: 12, pl. 6. Type locality: Mawai District, Johore, Malaysia. Holotype: SU 33009.

Distribution: Peninsular Malaysia and Riau Archipelago (Ng & Lim, 1995).

PSEUDOBAGARIUS new genus

Type species: *Akysis pseudobagarius* Roberts, 1989. Gender: Masculine.

Diagnosis: Akysidae with the following combination of characters: snout extending well anterior of margin of lower jaw, rendering mouth subterminal; narial openings relatively large and closely set; and caudal fin deeply forked.

Remarks: This genus corresponds to the “*pseudobagarius* group” of species of the genus *Akysis* that was first recognized by Ng & Kottelat (1998).

Pseudobagarius alfredi (Ng & Kottelat, 1998)

Akysis alfredi Ng & Kottelat, 1998c: 1063, fig. 5. Type locality: Malaysia: Pahang, Tasek Bera, approx. 300 m E of Fort Iskandar. Holotype: ZRC 40714.

Distribution: Tasek Bera, southern Malay Peninsula (Ng & Kottelat, 1998c).

Pseudobagarius baramensis (Fowler, 1905)

Akysis baramensis Fowler, 1905: 472, fig. 4. Type locality: Baram river, Borneo. Holotype: ANSP 114887.

Distribution: Baram River basin, Borneo (Fowler, 1905).

Pseudobagarius filifer (Ng & Rainboth, 2005)

Akysis filifer Ng & Rainboth, 2005: 37, fig. 5. Type locality: Cambodia: Kandal, Tonle Sap, fishing lot 8, 22 miles upstream from Phnom Penh, 11°44'N, 104°50'E. Holotype: UMMZ 235728.

Distribution: Tonlé Sap drainage, Mekong River basin, Cambodia (Ng & Rainboth, 2005: 39).

Pseudobagarius fuscus (Ng & Kottelat, 1996)

Akysis fuscus Ng & Kottelat, 1996: 20, fig. 1. Type locality: Borneo: Kalimantan Barat, Danau Sentarum area, Sungai Hulu Leboyan at Keluwin. Holotype: MZB 5934.

Distribution: Kapuas River basin, western Borneo (Ng & Kottelat, 1996).

Pseudobagarius hardmani (Ng & Sabaj, 2005)

Akysis hardmani Ng & Sabaj, 2005: 218, fig. 3. Type locality: Thailand: Nakhon Sawan, Mae Nam Chao Phraya and tributaries in the vicinity of Phayuka Khiri. Holotype: ANSP 178858.

Distribution: Chao Phraya River basin, Thailand (Ng & Sabaj, 2005).

Pseudobagarius inermis (Ng & Kottelat, 2000)

Akysis inermis Ng & Kottelat, 2000b: 9, figs. 1, 2a. Type locality: Laos: Attapeu province: unnamed creek entering Xe Kaman from the north at proposed Xe Kaman dam site, 14°57'40"N, 107°09'16"E. Holotype: ZRC 45401.

Distribution: Xe Banghiang and Xe Kong basins, Mekong River drainage, southern Laos (Ng & Kottelat, 2000b).

Pseudobagarius leucorhynchus (Fowler, 1934)

Akysis leucorhynchus Fowler, 1934a: 97, figs. 44–45. Type locality: Chiang Mai, North Siam. Holotype: ANSP 59346.

Distribution: Chao Phraya basin, and rivers of southern peninsular Thailand (Ng & Kottelat, 1998c).

Pseudobagarius macronemus (Bleeker, 1860)

Akysis macronema Bleeker, 1860: 11. Type locality: Lahat [Sumatra]. Syntypes (4: 36–44 mm TL): BMNH

1863.12.4.188 (1), RMNH 6729 (2); one syntype illustrated in Bleeker (1862–63: 65, pl. 84 [= Silur. 36], fig. 1).
Distribution: Sumatra (Tan & Ng, 2000) .
Remarks: Redescribed in Tan & Ng (2000) from specimens from the Batang Hari basin of central Sumatra. Register number of holotype of *Akysis macronema* incorrectly reported as BMNH 1863.12.11.188 in Eschmeyer *et al.* (1998).

Pseudobagarius meridionalis (Ng & Siebert, 2004)

Akysis meridionalis Ng & Siebert, 2004: 2, figs. 1, 2a. Type locality: Indonesia, Kalimantan Tengah (Borneo); Barito River drainage, Sungai Laung at Dessa Maruwei (0°21.986'S, 114°44.103'E). Holotype: MZB 6102.
Distribution: Barito River basin, Borneo (Ng & Siebert, 2004).

Pseudobagarius nitidus (Ng & Rainboth, 2005)

Akysis nitidus Ng & Rainboth, 2005: 40, fig. 8. Type locality: Laos: Champasak province, Mekong River at Ban Hang Khone, just downstream from Khone falls. Holotype: UMMZ 235400.
Distribution: Mekong River basin, Laos (Ng & Rainboth, 2005).

Pseudobagarius pseudobagarius (Roberts, 1989)

Akysis pseudobagarius Roberts, 1989a: 138, fig. 107. Type locality: Bar in mouth of Sungai Melawi at Sintang, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3691.
Distribution: Moesi and Kapuas Rivers, Western Borneo (Roberts, 1989a).

Pseudobagarius similis (Ng & Kottelat, 1998)

Akysis similis Ng & Kottelat, 1998c: 1074, figs. 4e, 9, 13c. Type locality: Vietnam: Kihn Thuy Cai canal, 10 km E of Vinh Long, at mouth of canal into Mekong. Holotype: UMMZ 214902.
Distribution: Mekong River mouth, southern Vietnam (Ng & Kottelat, 1998c).
Remarks: Coloration of adults and ontogenetic change from juvenile color pattern discussed in Ng & Rainboth (2005: 41).

Pseudobagarius sinensis (He, 1981)

Akysis sinensis He, in He & Chen, 1981: 209, fig. 1. Type locality: Lancang Jiang, Xishuangbanna Daizu Zizhizhou, Yunnan Prov., China. Syntypes: IHASW 638237 (1), IHASW 638283 (1), KIZ 735007 (1), KIZ 735008 (1). Also as *Akysis sinensis* once in English summary (p. 213); first reviser apparently Eschmeyer *et al.* (1998).
Distribution: Lancangjiang [= Mekong River], Yunnan, China (Chu *et al.*, 1999).

AMBLYCIPITIDAE Day, 1873

Amblycepinae Day, 1873a: cclxviii. Type genus: *Amblyceps* Blyth, 1858.

Identification guide: Jayaram (1977), South Asia.

Phylogeny and key to genera: Chen & Lundberg (1995).

Review: Choo (1987), Korea.

3 genera, 27 species; no named fossil taxa.

AMBLYCEPS Blyth, 1858

Amblyceps Blyth, 1858: 281. Type species: *Amblyceps caecutiens* Blyth, 1858. Type by monotypy. Gender: Neuter. *Branchiosteus* Gill, 1861c: 52. *Olyra laticeps* M'Clelland, 1842. Type by original designation. Gender: Masculine.
Review: Hora (1933) south Asia; Ng & Kottelat (2000a), Indochinese species.

Remarks: Ng & Kottelat (2000a: 346) list *Amblyceps inermis* as a *nomen nudem* published first in M'Clelland (1842). *Amblyceps deyi* is listed in Tamang (1993: 7), as a name only and is therefore not available.

Amblyceps apangi Nath & Dey, 1989

Amblyceps apangi Nath & Dey, 1989: 2, fig. 2. Type locality: Dikrong, Arunachal Pradesh, India. Holotype: F/GUZ 1215.

Distribution: Rivers draining Arunachal Pradesh, India (Nath & Dey, 1989).

Amblyceps arunachalensis Nath & Dey, 1989

Amblyceps arunachalensis Nath & Dey, 1989: 3, fig. 3. Type locality: Dikrong, Arunachal Pradesh, India. Holo-

type: F/GUZ 1213.

Distribution: Rivers draining Arunachal Pradesh, India (Nath & Dey, 1989).

Amblyceps caecutiens Blyth, 1858

Amblyceps caecutiens Blyth, 1858: 282. Type locality: Maulmein and Pegu [Myanmar]. Syntypes: Whereabouts unknown. Originally: *Amb. caecutiens*.

Akysis kurzii Day, 1872: 703. Type locality: Pegu Yomas, Burma. Holotype: Whereabouts unknown.

Distribution: Bago River basin, Myanmar (Ng & Kottelat, 2000a).

Amblyceps carinatum Ng, 2005

Amblyceps carinatum Ng, 2005d: 243, fig. 1. Type locality: Myanmar: Kachin, Irrawaddy drainage, hillstreams at Tonpan village, on road from Myitkyina to Tanai. Holotype: UMMZ 245588.

Distribution: Middle Irrawaddy River basin, Myanmar (Ng, 2005d).

Amblyceps foratum Ng & Kottelat, 2000

Amblyceps foratum Ng & Kottelat, 2000a: 338, fig. 4. Type locality: Malaysia: Terengganu, Sungai Brang just outside Sekayu Waterfall Park; 4°57'51"N, 102°57'46"E. Holotype: ZRC 43718.

Distribution: Northern peninsular Malaysia, southern peninsular Thailand, southeastern Thailand, and coastal Cambodia (Ng & Kottelat, 2000a).

Amblyceps laticeps (M'Clelland, 1842)

Olyra laticeps M'Clelland, 1842: 588, pl. 21 (fig. 2). Type locality: Kasyah mountains. Holotype: apparently not preserved.

Distribution: South Asia, but distribution not well documented.

Remarks: Inclusion in *Amblyceps* follows Vinciguerra (1890), Hora (1936a), and Ng & Kottelat (2000a).

Amblyceps macropterus Ng, 2001

Amblyceps macropterus Ng, 2001b: 202, fig. 1. Type locality: Pakistan: Baluchistan Province: Las Bela District: Hab River at Hinidan. Holotype: UMMZ 187411.

Distribution: Hab River, southwestern Pakistan; known only from the holotype (Ng, 2001b).

Amblyceps mangois (Hamilton, 1822)

Pimelodus mangois Hamilton, 1822: 199, 379. Type locality: Tanks of Northern Behar [India]. No types known. Previously unpublished Hamilton illustration of a type reproduced in Hora (1929: pl. 22, fig. 4).

Distribution: South Asia; precise distribution unknown inasmuch as literature accounts of this species may refer to almost any of the species in this genus.

Amblyceps mucronatum Ng & Kottelat, 2000

Amblyceps mucronatum Ng & Kottelat, 2000a: 340, fig. 6. Type locality: Thailand: Loei Prov.: Mekong River basin, Huang River tributary at 17°16'0.9"N, 101°08'29.2"E. Holotype: ZRC 41323.

Distribution: Mekong River basin, Thailand, and Salween River basin, Thailand and Myanmar (Ng & Kottelat, 2000a).

Amblyceps murraystuarti Chaudhuri, 1919

Amblyceps murray-stuarti Chaudhuri, 1919: 272, pl. 22 (figs. 1, 1a, 1b). Type locality: A mountain stream in the Putao Plains in the northern Frontier of Upper Burma. Holotype: ZSI F9736/1.

Distribution: Upper Irrawaddy River basin, Myanmar (Ng & Kottelat, 2000a).

Amblyceps platycephalus Ng & Kottelat, 2000

Amblyceps platycephalus Ng & Kottelat, 2000a: 343, fig. 8. Type locality: Thailand: Mae Hong Son Province: Nam Mae Pai basin, Nam Mae Sa-Nga at Ban Yang Top Sole, immediately downstream of Nam Tok Pa Sua, 19°29'0"N, 97°57'50"E. Holotype: ZRC 42745.

Distribution: Salween River, Thailand, known only from the holotype (Ng & Kottelat, 2000a).

Amblyceps serratum Ng & Kottelat, 2000

Amblyceps serratum Ng & Kottelat, 2000a: 344, fig. 9. Type locality: Cambodia: Stung Treng province: shallow channel across S end of Kaoh Han, 14 km NE of Stung Treng (13°37'N, 106°03'E). Holotype: UMMZ 234708.

Distribution: Mekong River drainage of central and southern Laos and Cambodia (Ng & Kottelat, 2000a).

Amblyceps tenuispinis Blyth, 1860

Amblyceps tenuispinis Blyth, 1860: 153. Type locality: Gházipur [India]. Holotype: Whereabouts unknown.

Distribution: Gházipur, India.

Amblyceps variegatum Ng & Kottelat, 2000

Amblyceps variegatum Ng & Kottelat, 2000a: 345, fig. 10. Type locality: Thailand: Kanchanaburi province, Mae Nam Khwae Noi basin, Nam Khung, upstream of Ban Huai Pak Khung, riffles between second ford and reservoir (14°37'20"N, 98°31'24"E). Holotype: ZRC 43719.

Distribution: Mae Khlong River basin, Thailand (Ng & Kottelat, 2000a).

Species inquirendae, *Amblyceps*

Pimelodus indicus M'Clelland & Griffith, in M'Clelland, 1842: 584. Type locality: Loodianah. Holotype: Whereabouts unknown, possibly at BMNH.

LIOBAGRUS Hilgendorf, 1878

Liobagrus Hilgendorf, 1878: 155. Type species: *Liobagrus reinii* Hilgendorf, 1878. Type by monotypy. Gender: Masculine.

Neobagrus Bellotti, 1892: 100. Type species: *Neobagrus fuscus* Bellotti, 1892. Type by monotypy. Gender: Masculine.

Remarks: Systematic position discussed in Jayaram (1965b).

Review: Choo (1987), Korea.

Key: Regan (1908g).

Liobagrus andersoni Regan, 1908

Liobagrus andersoni Regan, 1908g: 61, pl. 3 (fig. 4). Type locality: Kimhoa, 65 mi. north-east of Seoul, Corea. Syntypes: BMNH 1907.12.10.63–64 (2), BMNH 1907.12.10.65 (1, skeleton).

Distribution: Chongiu, Kwangiu, Soungchon, Kosong, and Ulchin, Korea (Mori, 1952).

Liobagrus anguillicauda Nichols, 1926

Liobagrus anguillicauda Nichols, 1926b: 1, fig. 1. Type locality: Chungan Hsien, nw. Fukien Prov., China. Holotype: AMNH 8474.

Distribution: Streams of southeast China (Chu *et al.*, 1999).

Liobagrus formosanus Regan, 1908

Liobagrus formosanus Regan, 1908e: 360. Type locality: Lake Candidius, Formosa. Holotype: BMNH 1909.4.28.23.

Distribution: Taiwan (Chu *et al.*, 1999).

Liobagrus kingi Tchang, 1935

Liobagrus kingi Tchang, 1935a: 95, fig. 1. Type locality: Tsin-ning, Yunnan, China. Holotype: at ASIZB [= ZMFMIB 11673].

Distribution: Upper Changjiang [= Yangtze River] (Chu *et al.*, 1999).

Liobagrus marginatoides (Wu, 1930)

Amblyceps marginatoides Wu, 1930a: 256, fig. 2. Type locality: Sichuan, China. Syntypes (2): Whereabouts unknown.

Distribution: Upper Changjiang [= Yangtze River] (Chu *et al.*, 1999).

Liobagrus marginatus (Günther, 1892)

Amblyceps marginatus Günther, 1892: 245, pl. 2 (fig. a). Type locality: Mountain streams running into Min River, Szechwan [Sichuan], China. Holotype: BMNH 1891.6.13.10.

Distribution: Upper Changjiang [= Yangtze River] (Chu *et al.*, 1999).

Liobagrus mediadiposalis Mori, 1936

Liobagrus mediadiposalis Mori, 1936: 673, pl. 24 (fig. 3). Type locality: River Rakuto at Bun-kei, Chosen [Korea]. Holotype (130 mm TL): At Preparatory Department of Keijo Imperial University.

Distribution: Rivers of Natong, Kokson, Yongsan, Kim and Tchongchin, Korea (Mori, 1952).

Liobagrus nantoensis Oshima, 1919

Liobagrus nantoensis Oshima, 1919: 183, pl. 48 (fig. 3). Type locality: Dainansho, Nanto, Taiwan. Lectotype:

FMNH 59080, designated by Eschmeyer (in Eschmeyer *et al.*, 1998: 1149).

Distribution: Taiwan (Chu *et al.*, 1999).

***Liobagrus nigricauda* Regan, 1904**

Liobagrus nigricauda Regan, 1904a: 193. Type locality: Sea of Tien [Tien Chih], Yunnan Fu, China, elev. 6000 ft.
Syntypes: BMNH 1904.1.26.42–43 (2).

Distribution: Changjiang [= Yangtze River] basin (Chu *et al.*, 1999).

***Liobagrus obesus* Son, Kim & Choo, 1987**

Liobagrus obesus Son, Kim & Choo, 1987: 22, figs. 1, 5b. Type locality: Kīm-river, Cho'gang-ri, Simch'ön-myön, Yöngdong, Ch'ungch'öngbug-do province, Korea. Holotype: BCUE 2101.

Distribution: Kum River basin, South Korea (Son *et al.*, 1987).

***Liobagrus reinii* Hilgendorf, 1878**

Liobagrus reinii Hilgendorf, 1878: 155. Type locality: Japan. No types known.

Liobagrus sugubii Regan, 1908b: 152. Type locality: Lake Biwa, Japan. Syntypes: BMNH 1907.12.23.56–59 (4).

Distribution: Honshu, Skikoku and Kyushu Islands, Japan (Matsuura *et al.*, 2000).

***Liobagrus styani* Regan, 1908**

Liobagrus styani Regan, 1908b: 152. Type locality: South Hupeh, China. Syntypes (2): BMNH 1902.5.30.2–3 (2, dry), BMNH 1902.5.30.4 (1, skeleton).

Distribution: Middle and lower Changjiang [= Yangtze River] (Chu *et al.*, 1999).

Species inquirenda, Liobagrus

Neobagrus fuscus Bellotti, 1892: 101, unnumbered figure. Type locality: Jokohama [Japan]. MSNM (destroyed: Eschmeyer *et al.*, 1998).

***XIURENBAGRUS* Chen & Lundberg, 1995**

Xiurenbagrus Chen & Lundberg, 1995: 781. Type species: *Liobagrus xiurenensis* Yue, 1981. Type by original designation. Gender: Masculine.

***Xiurenbagrus gigas* Zhao, Lan & Zhang, 2004**

Xiurenbagrus gigas Zhao, Lan & Zhang, 2004: 228, figs. 1–2. Type locality: Zhujiang River basin: Hongshuihe River, Anyang Town (23°17'N, 106°29'E), Du'an County, Guangxi, P.R. China. Holotype: ASIZB 72944.

Distribution: Hongshuihe River, Pearl [= Zhujiang] River basin, China (Zhao *et al.*, 2004).

***Xiurenbagrus xiurenensis* (Yue, 1981)**

Liobagrus xiurenensis Yue, in Zheng, 1981: 185, fig. 152. Type locality: Xiuren River, Pearl River drainage, Xiuren, Lipu, Guangxi, China, 24°28'N, 110°24'E. Holotype: ASIZB 751087.

Distribution: Zhujiang [= Pearl River] (Chu *et al.*, 1999).

AMPHILIIDAE Regan, 1911

Amphiliidae Regan, 1911: 565. Type genus: *Amphilius* Günther, 1864.

Doumeinae Regan, 1911: 554. Type genus: *Doumea* Sauvage, 1879.

Leptoglaninae [sic, Leptoglanidinae] Roberts, 2003: 87. Type genus: *Leptoglanis* Boulenger, 1902.

Remarks: The name Amphiliidae takes precedence over the simultaneously-established Doumeinae by virtue of the higher rank initially given to the former, following Art. 24 of the Code. Roberts (2003) and Diogo (2003b) independently proposed the new subfamily name Leptoglanidinae (incorrectly formed as Leptoglaninae by Roberts) for groups of nearly identical membership. Roberts's name was published earlier (March 14, vs. May [31]) and therefore has priority. He *et al.* (1999) questioned the monophyly of the Amphiliidae as used herein and, instead, restricted the name to include only *Amphilius* and *Paramphilus* and included all other taxa in the Doumeidae.

Revision: Roberts (2003, Leptoglanidinae).

Phylogeny: Harry (1953); He *et al.* (1999); Diogo (2003b).

Taxonomic summary: Skelton & Teugels (1986); Skelton (1992, west Africa).

Key to genera: Poll & Gosse (1994).

12 genera, 66 species; no named fossil taxa.

AMPHILIUS Günther, 1864

Amphilius Günther, 1864: 115, 134. Type species: *Pimelodus platychir* Günther, 1864. Type by monotypy. Originally proposed as a section of *Pimelodus*. Gender: Masculine.

Anoplopterus Pfeffer, 1889: 15. Type species: *Anoplopterus uranoscopus* Pfeffer, 1889. Type by monotypy. Gender: Masculine.

Chimarrhoglanis Vaillant, 1897: 81. Type species: *Chimarrhoglanis leroyi* Vaillant, 1897. Type by monotypy. Gender: Masculine.

Review: Skelton (1984, east and southern Africa).

Amphilius atesuensis Boulenger, 1904

Amphilius atesuensis Boulenger, 1904a: 17. Type locality: Atesu River, Gold Coast. Syntypes (4): BMNH 1903.4.24.74–77 (4).

Amphilius pictus Nichols & La Monte, 1933a: 1, fig. 1. Type locality: Stream near Kaleata, Liberia. Holotype: AMNH 12313.

Distribution: Gbin River, Guinea, and Pra River, from Sierra Leone to Ghana (Skelton & Teugels, 1986).

Amphilius baudoni Pellegrin, 1928

Amphilius Baudoni Pellegrin, 1928c: 453, unnumbered figure. Type locality: rivière Passa (affluent de l'Ogoûé), Gabon. Syntypes (3): MNHN 1928-0224 (1), MNHN 1928-0225 (1), MNHN 1928-0226 (1). MRAC 20649 listed as a syntype in Eschmeyer *et al.* (1998), but not included in original description.

Amphilius baudoni uniformis Pellegrin, 1930: 200. Type locality: Riv. Koumbi (Ht. Ogôoué) ... Sangha. Syntypes (6): MNHN 1929-0238 (1), MNHN 1929-0239 (5). Originally as *Amphilius baudoni* var. *uniformis*.

Distribution: Ogowe River system and Sangha River, Congo basin (Skelton & Teugels, 1986).

Amphilius brevis Boulenger, 1902

Amphilius brevis Boulenger, 1902g: 268, pl. 29 (fig. 3). Type locality: Lindi River, which flows into the Congo at the Stanley Falls. Syntypes (2): BMNH 1902.4.14.21 (1), IRSNB 11 (1).

Amphilius nigricaudatus Pellegrin, 1909a: 67. Type locality: Ngomo (Ogôoué). Syntypes (3): MNHN 1909-0014 (1), MNHN 1909-0015 (1), MNHN 1909-0016 (1). Also described as new in Pellegrin (1909d: 47).

Amphilius nigricaudatus multipunctata Pellegrin, 1909a: 67. Type locality: Ngomo (Ogôoué). Holotype: MNHN 1909-0013. Originally as *Amphilius nigricaudatus* var. *multipunctata*. Also described as new in Pellegrin (1909d: 48, fig. 2).

Distribution: Congo River system and Leome, Kouliou, and Ogowe rivers (Skelton & Teugels, 1986).

Amphilius cryptobullatus Skelton, 1986

Amphilius cryptobullatus Skelton, 1986: 279, figs. 15–23. Type locality: Luongo River, Upper Zaire system, above and at Route 74 crossing, 10°11'S, 29°43'E, Zambia. Holotype: ROM 46800.

Distribution: Luongo River, upper Congo River basin, Zambia (Skelton, 1986).

Amphilius jacksonii Boulenger, 1912

Amphilius jacksonii Boulenger, 1912a: 602. Type locality: the Hima River, eastern foot-hills of Ruwenzori, 3500 feet, flowing into Lake George (Ruisamba), Nile System. Holotype: BMNH 1912.10.15.47; illustrated in Boulenger (1916: 307, fig. 182), and Seegers (1996: 191, fig. 133).

Distribution: Widely distributed in central and eastern Africa (Seegers, 1996).

Remarks: Species redescribed in Walsh *et al.* (2000).

Amphilius kakrimensis Teugels, Skelton & Lévêque, 1987

Amphilius kakrimensis Teugels, Skelton & Lévêque, 1987: 94, figs. 1–2. Type locality: a small tributary of the Kakrima River, Konkoure basin, at Kasserri (10°16'N, 12°28'W), Guinea. Holotype: MNHN 1986-0599.

Distribution: Konkoure River basin, Guinea (Teugels *et al.*, 1987).

Amphilius kivuensis Pellegrin, 1933

Amphilius kivuensis Pellegrin, 1933b: 172. Type locality: Boulira, Kitembo (ouest du Kivu), ... Kilembo (ouest du Kivu, altitude 2000 mètres). Syntypes (8): MNHN 1932-0038 (5), MNHN 1933-0009 (1), MNHN 1933-0010 (1), MNHN 1933-0011 (1).

Distribution: Rivers to west of Lake Kivu; Ruzizi River and rivers entering Lake Tanganyika (Skelton & Teugels, 1986).

Amphilius lamani Lönnberg & Rendahl, 1920

Amphilius lamani Lönnberg & Rendahl, 1920: 171, figs. 2–3. Type locality: Kingoyi, Lower Congo. Syntypes: NRM 9910 (2).

Distribution: Lower Congo; known only from type locality (Skelton & Teugels, 1986).

Amphilius lampei Pietschmann, 1913

Amphilius lampei Pietschmann, 1913b: 190, pl. 2 (fig. 1). Type locality: Harrar, Abessynien [Ethiopia]. Holotype: at Weisbaden Museums.

Distribution: Webi Shebeli tributaries, near Harrar, Ethiopia (Skelton & Teugels, 1986).

Amphilius laticaudatus Skelton, 1984

Amphilius laticaudatus Skelton, 1984: 61, fig. Type locality: Buzi River, at bridge on Inchope to Lourenço Marques road (19°55'S, 34°15'E). Holotype: AMG P5815.

Distribution: Buzi River system, Moçambique (Skelton, 1993).

Amphilius lentiginosus Trewavas, 1936

Amphilius lentiginosus Trewavas, 1936: 71, pl. 2 (figs. 10–11). Type locality: a brook at Cuito, Mt. Moco, Luimbale, Cuvo River system, Angola. Syntypes: BMNH 1935.3.20.189–190 (2).

Distribution: Cuvo River system, Luachimo River and Tchimenji River, Angola (Skelton & Teugels, 1986).

Amphilius longirostris (Boulenger, 1901)

Anoplopterus longirostris Boulenger, 1901f: 447. Type locality: Hills in the Bulu country, some 75 miles in the interior from Batanga, at an elevation of between 1500–2000 feet, Cameroon. Holotype: BMNH 1901.11.12.133.

Distribution: Cameroon and Equatorial Guinea, also tributaries of Ngoko, Congo River system, in Cameroon (Skelton & Teugels, 1986).

Remarks: Specimen listed as holotype of *Anoplopterus longirostris* is entered in BMNH register with locality only as Efulen, and Boulenger (1911: 260) indicated that the locality stated in original description was near Efulen.

Amphilius maesii Boulenger, 1919

Amphilius Maesii Boulenger, 1919: 160. Type locality: Oshwe [Congo River system]. Syntypes (7): BMNH 1919.8.28.14–16 (3), MRAC 3180-83 (4).

Distribution: Congo River basin (Skelton & Teugels, 1986).

Amphilius natalensis Boulenger, 1917

Amphilius natalensis Boulenger, 1917a: 432. Type locality: Krantz Kloof, Natal. Syntypes (2): BMNH 1917.7.21.1 (1).

Distribution: Ruo River, Malawi; Zambezi system of Zimbabwe, south to Umkomaas River (Natal, South Africa) (Skelton, 1993).

Remarks: Redescribed in Barnard (1943).

Amphilius opisthophthalmus Boulenger, 1919

Amphilius opisthophthalmus Boulenger, 1919: 159. Type locality: Oshwe, Lac Léopold II. Syntypes (7): BMNH 1919.8.28.17–18 (2), MRAC 3191-94 (4).

Distribution: Oshwe on the Lukenie River (Lake Mai-Ndombe) (Skelton & Teugels, 1986).

Amphilius platychir (Günther, 1864)

Pimelodus platychir Günther, 1864: 134. Type locality: Sierra Leone. Syntypes (4): BMNH 2001.12.5.574–577 (4), MNHN 1898-0121 (1).

Amphilius grammatophorus Pellegrin, 1913a: 237, fig. 1. Type locality: Rivière Kikoulo, Guinée française. Syntypes: MNHN 1913-0231 (1), MNHN 1913-0232 (1), MNHN 1913-0233 (1), MNHN 1913-0234 (1), MNHN 1913-0235 (1).

Amphilius grammatophorus brevipinna Pellegrin, 1935: 465. Type locality: Banamanan (cercle de Kissidougou), ... Friguiagbé (près Kindia); Guinée française. Syntypes (2): MNHN 1935-0194 (1), MNHN 1935-0195 (1). Orig-

inally as *Amphilius grammatorphorus* var. *brevipinna*. nov. var.

Amphilius grammatorphorus inaequalis Pellegrin, 1935: 464. Type locality: Friguiagbé (près Kindia) Guinée française. Syntypes (6): MNHN 1935-0191 (1), MNHN 1935-0192 (1), MNHN 1935-0193 (4). Originally as *Amphilius grammatorphorus* var. *inaequalis* nov.var.

Amphilius grammatorphorus marmoratus Daget, 1963: 584. Type locality: Kana, alt. 600 m, Mont Nimba. Holotype: MNHN 1960-0119.

Distribution: Sierra Leone, Guinea, Côte d'Ivoire (Skelton & Teugels, 1986).

Amphilius pulcher Pellegrin, 1929

Amphilius pulcher Pellegrin, 1929c: 640, fig. 1. Type locality: rivière Louessé (fleuve Kouilou) [Gabon]. Syntypes (3): MNHN 1929-0224 (3). MRAC 20650 listed as a syntype in Eschmeyer *et al.* (1998), but not listed in description.

Amphilius pulcher ephippiata Pellegrin, 1930: 200. Type locality: Sebé (haut Ogoôué). Syntypes: MNHN 1929-0237 (9). Originally as *Amphilius pulcher* var. *ephippiata* nov. var.

Distribution: Ogowe and Nyanga River systems, Gabon (Skelton & Teugels, 1986).

Amphilius rheophilus Daget, 1959

Amphilius rheophilus Daget, 1959: 692, fig. 3. Type locality: Gambie à Mpantié (parc national du Niokolo-Koba); Gambie à Banharé. Syntypes (3): MNHN 1959-0147 (2), MNHN 1960-0486 (1).

Distribution: Gambia River system (Skelton & Teugels, 1986).

Amphilius uranoscopus (Pfeffer, 1889)

Anoplopterus uranoscopus Pfeffer, 1889: 16; illustrated in Pfeffer (1896: 31, fig. 14). Type locality: Bad bei Ushonda (Ungúu), ... Bäche bei Mhonda. Lectotype: ZMH 11944, selected by, and illustrated in, Seegers (1996: 192, fig. 137).

Chimarrhoglanis Leroyi Vaillant, 1897: 82. Type locality: Zanguebar, torrent de Mrogoro, par 600 mètres d'altitude. Holotype: MNHN 1897-0003.

Amphilius grandis Boulenger, 1905c: 63, pl. 7 (figs. 3, 3a). Type locality: Chania River of Tetse, Tana system, in cold water at an altitude of 7000 feet. Syntypes (3): BMNH 1904.12.23.50–52 (3).

Amphilius Hargerii Boulenger, 1907c: 488. Type locality: Mlangi, British Central Africa. Holotype: BMNH 1907.10.14.8.

Amphilius krefftii Boulenger, 1911a: 356, fig. 276. Type locality: Usambara, in rivulet running down from Anani Hills to Sigi River. Syntypes: BMNH 1909.10.19.26–27 (2).

Amphilius oxyrhinus Boulenger, 1912c: 675, pl. 80. Type locality: Eusso Mara, a swift mountain stream, tributary of Eusso Nyiro, British East Africa. Holotype: BMNH 1912.3.22.120.

Amphilius brevidorsalis Pellegrin, 1919a: 399. Type locality: Rivière Revue (Mozambique). Holotype: MNHN 1919-0488.

Amphilius platychir cubangoensis Pellegrin, 1936a: 56. Type locality: Cubango près de Vila da Ponte [Angola]. Syntypes (9): MHNG 856.86 (1), MNHN 1936-0101 (1), MNHN 1936-0102 (1), MNHN 1936-0103 (3), MRAC 138769, NMBA 5213 (1). Originally as *Amphilius platychir* var. *cubangoensis*.

Distribution: Okavango and Zambezi basins, eastern coastal Rivers south to the Mkuze basin, Natal, and throughout east and Central Africa (Skelton, 1993); Lake Rukwa basin (Seegers, 1996).

Remarks: The name *Amphilius transvaaliensis* that was published in the caption to figure 1 in van der Horst, (1931: 247) fails to qualify as an available name, following the provisions in Art. 13.1.1 of the Code. In addition, there is uncertainty about whether the name was intended to be published, inasmuch as copies of this paper at CAS and CU have the figure caption crossed out and replaced with the name *Amphilius grandis*.

Amphilius zairensis Skelton, 1986

Amphilius zairensis Skelton, 1986: 266, fig. 1. Type locality: River Lufu, about two km from confluence with Zaire River, near Inga hydroelectric dam, 5°31.5'S, 13°37.5'E. Holotype: MCZ 50533.

Distribution: Lufu River, Congo River basin (Skelton, 1986).

ANDERSONIA Boulenger, 1900

Andersonia Boulenger, 1900d: 528. Type species: *Andersonia leptura* Boulenger, 1900. Type by monotypy. Gender:

Feminine.

Slatinia Werner, 1906: 326. Type species: *Slatinia mongallensis* Werner, 1906. Type by monotypy. Gender: Feminine.

Andersonia leptura Boulenger, 1900

Andersonia leptura Boulenger, 1900d: 529. Type locality: a pond near Koshek, Soudan. Holotype: BMNH 1907.12.2.2545.

Slatinia mongallensis Werner, 1906: 327. Type locality: Bahar-el-Gebel, bei Mongalla. Holotype: NMW 79741.

Andersonia brevior Boulenger, 1918: 426. Type locality: Shari River, Ubanghi-Shari Colony, French Equatorial Africa. Holotype: BMNH 1918.11.12.13.

Andersonia pellegrini Boulenger, 1918: 427. Type locality: Shari River, Ubanghi-Shari Colony, French Equatorial Africa. Holotype: BMNH 1918.11.12.13.

Distribution: Omo, Niger and Upper Nile Rivers, Lake Chad basin (Skelton & Teugels, 1986).

Remarks: The name "*Andersonia brevior* sp. n." appears in the introduction of Boulenger (1918: 426) for a species described on the next page as *A. pellegrini*. Harry (1953) appears to be the first to have commented on the two names for the species and, therein, he treated *A. pellegrini* as valid.

BELONOGLANIS Boulenger, 1902

Belonoglanis Boulenger, 1902d: 50. Type species: *Belonoglanis tenuis* Boulenger, 1902. Type by monotypy. Gender: Masculine.

Belonoglanis brieni Poll, 1959

Belonoglanis brieni Poll, 1959: 107, pl. 22 (fig. 3). Type locality: Stanley Pool, Rivière N'Djili. Holotype: MRAC 118539.

Distribution: Congo River basin (Skelton & Teugels, 1986).

Belonoglanis tenuis Boulenger, 1902

Belonoglanis tenuis Boulenger, 1902d: 50, pl. 14 (fig. 4). Type locality: Ubangi à Banzyville. Holotype: MRAC 1289.

Belonoglanis nudipectus Lönnberg & Rendahl, 1920: 175, fig. 6. Type locality: Lower Congo. Holotype: NRM 16118.

Belonoglanis curvirostris Pellegrin, 1922a: 74. Type locality: Bangui (Oubanghi). Syntypes: MNHN 1921-0428 (1), MNHN 1921-0429 (1).

Distribution: Congo River basin (Skelton & Teugels, 1986).

DOLICHAMPHILIUS Roberts, 2003

Dolichamphilius Roberts, 2003: 100. Type species: *Leptoglanis brieni* Poll, 1959. Type by original designation. Gender: Masculine.

Dolichamphilius brieni (Poll, 1959)

Leptoglanis brieni Poll, 1959: 96, pl. 24 (fig. 2). Type locality: Stanley Pool, passe devant le refuge Jipo. Holotype: MRAC 118503.

Distribution: Stanley Pool, Congo River (Roberts, 2003).

Dolichamphilius longiceps Roberts, 2003

Dolichamphilius longiceps Roberts, 2003: 100. Type locality: Republic du Congo (Kinshasa): Chutes Wagenia, Kisangani. Holotype: MRAC 90-47-P-704-708.

Distribution: Chutes Wagenia on the Lualaba River, near Kisangani (Roberts, 2003).

DOUMEA Sauvage, 1879

Doumea Sauvage, 1879: 96. Type species: *Doumea typica* Sauvage, 1879. Type by original designation. Gender: Feminine.

Doumea alula Nichols & Griscom, 1917

Doumea alula Nichols & Griscom, 1917: 722, fig. 27. Type locality: Stanleyville, Congo. Holotype: AMNH 6531.

Distribution: Congo River basin (Skelton & Teugels, 1986).

Doumea angolensis Boulenger, 1906

Doumea angolensis Boulenger, 1906e: 347. Type locality: the interior of Benguela, at an altitude of 4000–5000 feet, Angola. Holotype: BMNH 1906.10.8.12.

Distribution: Quanza River system and the interior of Benguela, Angola (Skelton & Teugels, 1986).

Doumea chappuisi Pellegrin, 1933

Doumea chappuisi Pellegrin, 1933a: 114, fig. on p. 115. Type locality: Danané (Côte d'Ivoire). Syntypes (8): MNHN 1932-0302 (1), NMBA 4281-87 (7).

Distribution: Guinea, Liberia and Côte d'Ivoire; Cavally, Nuon, St. Paul, and Koumba River systems (Skelton & Teugels, 1986).

Doumea thysi Skelton, 1989

Doumea thysi Skelton, 1989: 6, fig. 3. Type locality: Cross River, 27 miles from Mamfe towards Eyomojak, Cameroon, 5°46'N, 9°03'E. Holotype: MRAC 76-32-P-2260.

Distribution: Cross River basin, Cameroon (Skelton, 1989).

Doumea typica Sauvage, 1879

Doumea typica Sauvage, 1879: 97. Type locality: Doumé [rivière Ogôoué]. Holotype: MNHN a-0965. Described in more detail and illustrated in Sauvage (1880c: 41, pl. 3, fig. 1).

Distribution: Congo River basin and coastal rivers from Cameroon to Congo (Skelton & Teugels, 1986).

LEPTOGLANIS Boulenger, 1902

Leptoglanis Boulenger, 1902d: 42. Type species: *Leptoglanis xenognathus* Boulenger, 1902. Type by monotypy. Gender: Masculine.

Remarks: Roberts (2003) removed most species from *Leptoglanis* and placed them, instead, into *Zairichthys*.

Leptoglanis xenognathus Boulenger, 1902

Leptoglanis xenognathus Boulenger, 1902d: 43, pl. 14 (fig. 1). Type locality: l'Ubangi à Banzyville. Holotype: MRAC 1287.

Distribution: Congo basin.

PARAMPHILIUS Pellegrin, 1907

Paramphilius Pellegrin, 1907a: 23. Type species: *Paramphilius trichomycteroides* Pellegrin, 1907. Type by original designation. Gender: Masculine.

Paramphilius firestonei Schultz, 1942

Paramphilius firestonei Schultz, 1942: 328, 333, pl. 36 (fig. 3). Type locality: Bromley, Harbel [Liberia]. Holotype: USNM 118811.

Distribution: St. Paul, Du and Borlor Rivers, Liberia (Skelton & Teugels, 1986).

Paramphilius goodi Harry, 1953

Paramphilius goodi Harry, 1953: 203, figs. 1–2. Type locality: Lolodorf, Bikui River, Lokunje River system, Cameroon, West Africa. Holotype: SU 16970.

Distribution: Lokunje River basin, Cameroon (Skelton & Teugels, 1986).

Paramphilius teugelsi Skelton, 1989

Paramphilius teugelsi Skelton, 1989: 2, fig. Type locality: ruisseau affluent de Mamou (Little Scarcies River system), Guinea, west Africa, approximately 10°09'N, 11°50'W. Holotype: MNHN 1961-0601.

Distribution: Little Scarcies River basin, Guinea (Skelton, 1989).

Paramphilius trichomycteroides Pellegrin, 1907

Paramphilius trichomycteroides Pellegrin, 1907a: 24. Type locality: Ditinn (Fouta-Djalou). Holotype: MNHN 1906-0343.

Distribution: Senegal River headwaters, near Ditinn and Mamou, Guinea (Skelton & Teugels, 1986).

Remarks: Holotype catalog number of *Paramphilius trichomycteroides* incorrectly reported as MNHN 1906-0243 in Eschmeyer *et al.* (1998).

PHRACTURA Boulenger, 1900

Peltura Perugia, 1892: 972. Type species: *Peltura bovei* Perugia, 1892. Type by monotypy. Preoccupied by *Peltura* Agassiz, 1846, in trilobites; replaced by *Phractura* Boulenger, 1900. Gender: Feminine.

Phractura Boulenger, 1900d: 527. Type species: *Peltura bovei* Perugia, 1892. Type by being a replacement name. Replacement for *Peltura* Perugia, 1892, preoccupied by *Peltura* Agassiz, 1846. Gender: Feminine.

Paraphractura Boulenger, 1902d: 47. Type species: *Paraphractura tenuicauda* Boulenger, 1902. Type by monotypy. Gender: Feminine.

Phractura ansorgii Boulenger, 1902

Phractura ansorgii Boulenger, 1902h: 623, pl. 37 (fig. 1). Type locality: Agberi [Nigeria]. Holotype: BMNH 1901.12.18.7.

Distribution: Lower Niger River (Skelton & Teugels, 1986).

Phractura bovei (Perugia, 1892)

Peltura Bovei Perugia, 1892: 972, unnumbered figures. Type locality: Congo. Holotype: MSNG 8839.

Distribution: Lower Congo River (Skelton & Teugels, 1986).

Phractura brevicauda Boulenger, 1911

Phractura brevicauda Boulenger, 1911a: 502, fig. 374. Type locality: Trib. of Lobi R., S. W. of Efulen, and Kribi R., South Cameroon; Abanga R., Ogowe. Syntypes: BMNH 1904.7.1.119-126 (8), BMNH 1908.5.30.176-177 (2), BMNH 1908.5.25.118 (1).

Distribution: Lower Congo River (Skelton & Teugels, 1986).

Remarks: Illustrated specimen, from the Lobi River, may not be considered a holotype, even though labeled as “type” in figure caption inasmuch as the term type is also applied in the text to the single specimen from the Abanga River.

Phractura clauseni Daget & Stauch, 1963

Phractura clauseni Daget & Stauch, 1963: 95, fig. 2. Type locality: Haute Comoé à Samago Iri. Holotype: MNHN 1960-0148.

Distribution: Tributaries of the Comoe and Black Volta Rivers, Upper Volta, Ogun River, Nigeria, and Upper Benoue River, Cameroon (Skelton & Teugels, 1986).

Phractura fasciata Boulenger, 1920

Phractura fasciata Boulenger, 1920a: 34, fig. 18. Type locality: Stanley-Falls. Syntypes (4): BMNH 1919.9.10.284-285 (2), MRAC 7241-42 (2).

Distribution: Congo River basin (Skelton & Teugels, 1986).

Phractura gladysae Pellegrin, 1931

Phractura Gladysae Pellegrin, 1931a: 209. Type locality: Haute-Louessé. Syntypes (3): MNHN 1930-0251(1), MNHN 1930-0252 (1), MNHN 1930-0253 (1).

Distribution: Kouilou River system; known only from type locality (Skelton & Teugels, 1986).

Phractura intermedia Boulenger, 1911

Phractura intermedia Boulenger, 1911a: 503, fig. 375. Type locality: Ja R., at Biteye, Libi R. affl. of Ja R., Kribi R, and Nong R.[South Cameroon]. Syntypes: BMNH 1903.7.28.114-116 (3), BMNH 1903.7.28.209-210 (2), BMNH 1904.7.1.165-167 (3), BMNH 1904.7.1.213 (1), BMNH 1904.10.26.49-52 (4), BMNH 1907.5.22.187 (1), BMNH 1909.4.29.103-105 (3), BMNH 1909.12.3.28 (1).

Distribution: Coastal Rivers of Cameroon, from Nyong to Kouilou (Skelton & Teugels, 1986).

Phractura lindica Boulenger, 1902

Phractura lindica Boulenger, 1902g: 268, pl. 28 (figs. 3, 3a, 3b). Type locality: Lindi River, which flows into the Congo at the Stanley Falls. Syntypes (4): BMNH 1902.4.14.25 (1), IRSNB 12 (2 or 3), MSNM 39 (1).

Phractura lukugae Boulenger, 1920c: 402, fig. 9. Type locality: Kabeke, a village 30 miles south of Tumbwe, on the Niemba River, near the west coast of Lake Tanganyika. Holotype: BMNH 1919.7.24.32.

Distribution: Congo River basin (Skelton & Teugels, 1986).

Phractura longicauda Boulenger, 1903

Phractura longicauda Boulenger, 1903c: 439. Type locality: Kribi River, southern Cameroon. Holotype: BMNH 1903.7.28.117.

Distribution: Coastal rivers of South Cameroon and Equatorial Guinea, and Congo River basin (Skelton & Teugels, 1986).

Phractura macrura Poll, 1967

Phractura macrura Poll, 1967: 269, fig. 129. Type locality: Caungula, riv. Cassange, (8°07'S, 18°09'E), affl. riv. Uamba, Angola. Holotype: MD 6272.

Distribution: Uamba and Cuilo Rivers, southern tributaries of Kasai, Congo River basin, Angola (Skelton & Teugels, 1986).

Phractura scaphyrhynchura (Vaillant, 1886)

Doumea scaphyrhynchura Vaillant, in Rivière, 1886: 18. Type locality: Ogôoué à Diélé. Holotype: MNHN 1886-0424.

Distribution: Ogowe and Congo River basins (Skelton & Teugels, 1986).

Remarks: Pellegrin (1900: 181), lists *Phractura scaphyrhynchura* as a new species (nov. sp.), but cites Vaillant's description in the text.

Phractura tenuicauda (Boulenger, 1902)

Paraphractura tenuicauda Boulenger, 1902d: 48, pl. 14 (fig. 2). Type locality: l'Ubangi à Banzyville. Syntypes (plusieurs): BMNH 1901.12.26.48–49 (2), MRAC 1297–1299 (3).

Distribution: Congo River basin (Skelton & Teugels, 1986).

PSAMMPHILETRIA Roberts, 2003

Psammphiletria Roberts, 2003: 101. Type species: *Psammphiletria nasuta* Roberts, 2003. Type by original designation. Gender: Feminine.

Psammphiletria delicata Roberts, 2003

Psammphiletria delicata Roberts, 2003: 102, fig. 17 e. Type locality: Stanley Pool. Holotype: MRAC 118455.

Distribution: Stanley Pool, Congo River (Roberts, 2003).

Psammphiletria nasuta Roberts, 2003

Psammphiletria nasuta Roberts, 2003: 101, fig. 17 a–c. Type locality: République Centrafricaine: Central African Republic, sandy riffle in R. Ubangui near Banda, 72 km upriver from Bangui. Holotype: CAS 92624.

Distribution: Ubangui River above Bangui (Roberts, 2003).

TETRACAMPHILIUS Roberts, 2003

Tetracamphilius Roberts, 2003: 102. Type species: *Tetracamphilius pectinatus* Roberts, 2003. Type by original designation. Gender: Masculine.

Tetracamphilius angustifrons (Boulenger, 1902)

Anoplopterus angustifrons Boulenger, 1902d: 42, pl. 10 (fig. 4). Type locality: Banzyville [Ubangi River]. Syntypes (plusieurs): BMNH 1901.12.26.39–40 (2), MRAC 1313 (1).

Distribution: Ubangi River, Congo Basin (Skelton & Teugels, 1986).

Tetracamphilius clandestinus Roberts, 2003

Tetracamphilius clandestinus Roberts, 2003: 106, fig. 20 b. Type locality: République Centrafricaine: riffles in shallow sandy area of Ubangui near Banda. 2 km upstream from Bangui. Holotype: CAS 92653.

Distribution: Ubangui River above Bangui (Roberts, 2003).

Tetracamphilius notatus (Nichols & Griscom, 1917)

Amphilius notatus Nichols & Griscom, 1917: 715, fig. 24. Type locality: Faradje, Congo. Holotype: AMNH 6711.

Distribution: Faradje, Uele River, Congo River basin (Skelton & Teugels, 1986).

Tetracamphilius pectinatus Roberts, 2003

Tetracamphilius pectinatus Roberts, 2003: 104, fig. 18. Type locality: République du Congo (Kinshasa): Congo basin, tributary of R. Luala, 29 km N of Kibunzi (8 km S of turnoff to Kubunzi, Buozi dist.), 45°6.5'S, 13°48'E. Holotype: CAS 92627.

Distribution: Ubangui River above Bangui; Luala River tributary; and Luala River of Southern Congo (Roberts, 2003).

TRACHYGLANIS Boulenger, 1902

Trachyglanis Boulenger, 1902d: 48. Type species: *Trachyglanis minutus* Boulenger, 1902. Type by monotypy. Gender: Masculine.

Trachyglanis ineac (Poll, 1954)

Phractura ineac Poll, 1954: 62, fig. 5. Type locality: riv. Loweo, environs de Yangambi (Stanleyville). Holotype: MRAC 77460.

Distribution: Congo River basin (Yangambi, Tohuapa) (Skelton & Teugels, 1986).

Trachyglanis intermedius Pellegrin, 1928

Trachyglanis intermedius Pellegrin, 1928b: 110. Type locality: Kasai, Congo belge. Holotype: NMBA 3755.

Distribution: Kasai River, Congo River basin (Skelton & Teugels, 1986).

Trachyglanis minutus Boulenger, 1902

Trachyglanis minutus Boulenger, 1902d: 49, pl. 14 (fig. 3). Type locality: l'Ubangi à Banzyville. Syntypes (4): BMNH 1901.12.26.50–51 (2), MRAC 1291–1291A (2).

Distribution: Congo River basin (Skelton & Teugels, 1986).

Trachyglanis sanghensis Pellegrin, 1925

Trachyglanis sanghensis Pellegrin, 1925: 103. Type locality: Ouesso (Sangha). Holotype: MNHN 1925-0145.

Distribution: Sanga River, Congo River basin (Skelton & Teugels, 1986).

ZAIREICHTHYS Roberts, 1967

Zaireichthys Roberts, 1967: 124. Type species: *Zaireichthys zonatus* Roberts, 1967. Type by original designation. Gender: Masculine.

Revision: Roberts (2003).

Zaireichthys brevis (Boulenger, 1915)

Leptoglanis brevis Boulenger, 1915: 169. Type locality: Rivière Lubumbashi, à Elisabethville. Syntypes (2): BMNH 1920.5.26.93 (1), MRAC 12702 (1).

Distribution: Congo River basin.

Remarks: Placed by Roberts (2003: 98) in the synonymy of *Zaireichthys rotundiceps*, but comments therein indicate only that the types are “closely similar, possibly conspecific [with *Z. rotundiceps*].” Therefore, *Zaireichthys brevis* is retained as valid herein.

Zaireichthys camerunensis (Daget & Stauch, 1963)

Leptoglanis camerunensis Daget & Stauch, 1963: 94, fig. 1. Type locality: Bénoué à Lakdo, Cameroun. Syntypes (7): MNHN 1962-1272 (6); one specimen lost.

Distribution: Upper Benue River, Cameroon and Upper Niger River, Guinea (Roberts, 2003).

Zaireichthys dorae (Poll, 1967)

Leptoglanis dorae Poll, 1967: 211, fig. 95. Type locality: rapides de la Luachimo, dans des flaques d'eau résiduelle, à l'occasion de la mise à sec de la partie d'aval du barrage, Angola. Holotype: MRAC 161646.

Distribution: Luachimo, Congo Basin, Angola (Roberts, 2003).

Zaireichthys flavomaculatus (Pellegrin, 1926)

Leptoglanis flavomaculatus Pellegrin, 1926: 204. Type locality: Kamaiembi. Holotype: MRAC 19721.

Distribution: Lulua River, southern Congo; known only from holotype (Roberts, 2003).

Zaireichthys heterurus Roberts, 2003

Zaireichthys heterurus Roberts, 2003: 96. Type locality: Republic du Congo (Kinshasa): R. Avokoko, affluent rive droite fleuve Zaire, km 21 route Kisangani-Wanie Rukula. Holotype: MRAC 87-42-P-1140.

Distribution: Eastern Congo River basin (Roberts, 2003).

Zaireichthys mandevillei (Poll, 1959)

Leptoglanis mandevillei Poll, 1959: 98, pl. 25 (fig. 2). Type locality: Stanley Pool (Congo R., near Kinshasa). Holotype: MRAC 118532.

Distribution: Stanley Pool, Congo River, Ubangui and Lualaba (Roberts, 2003).

Zaireichthys rotundiceps (Hilgendorf, 1905)

Gephyroglanis rotundiceps Hilgendorf, 1905: 412. Type locality: Im Bubu bei Irangi. Lectotype: ZMB 16392, des-

ignated by, and illustrated in, Seegers (1996: 196, fig. 141).

Distribution: Cunene, Okavango and Zambezi, Pungwe, Buse and Save basins, and Lake Malawi basin (Skelton, 1993); Lake Rukwa basin (Seegers, 1996).

Zaireichthys wamiensis (Seegers, 1989)

Leptoglanis wamiensis Seegers, 1989: 285, unnumbered figure. Type locality: Kisangata -Bach bei Mvumi, 32 kilometer SW Kidete, am Wege nach Kimamba/Kilosa im Wami-Einzug NW Morogoro, Tanzania. Holotype: ZFMK 15899.

Distribution: Wami River basin, Tanzania (Seegers, 1989).

Zaireichthys zonatus Roberts, 1967

Zaireichthys zonatus Roberts, 1967: 124, figs. 3–4. Type locality: Side channel of the lower rapids of the Congo River, below Stanley Pool, at Kinsuka village, within Leopoldville city limits. Holotype: SU 64126.

Distribution: Congo River basin (Roberts, 2003).

ANCHARIIDAE Glaw & Vences, 1994

Anchariidae Glaw & Vences, 1994: 380. Type genus: *Ancharius* Steindachner, 1880.

Revision, with key to species: Ng & Sparks (2005).

2 genera, 5 species; no named fossil taxa.

ANCHARIUS Steindachner, 1880

Ancharius Steindachner, 1880a: 158. Type species: *Ancharius fuscus* Steindachner, 1880. Type by monotypy. Gender: Masculine. Also proposed as new in Steindachner (1880c: 251).

Ancharius fuscus Steindachner, 1880

Ancharius fuscus Steindachner, 1880a: 158. Type locality: Tohizona auf Madagascar. Holotype: NMW 48093. Species illustrated and described in more detail in Steindachner (1880c: 251, pl. 3, fig. 3; pl. 4).

Distribution: Widely distributed along eastern-draining rivers of Madagascar (Ng & Sparks, 2005).

Ancharius griseus Ng & Sparks, 2005

Ancharius griseus Ng & Sparks, 2005: 308, fig. 5. Type locality: Madagascar: Toliara Province, Ihazofotsy River near Isalo, approximately 2-hour hike from Sakalama Village, 22°58'56"S 47°22'7"E. Holotype: UMMZ 238041.

Distribution: Onilahy River basin, western Madagascar (Ng & Sparks, 2005).

GOGO Ng & Sparks, 2005

Gogo Ng & Sparks, 2005: 311. Type species: *Gogo ornatus* Ng & Sparks, 2005. Type by original designation. Gender: Masculine.

Gogo arcuatus Ng & Sparks, 2005

Gogo arcuatus Ng & Sparks, 2005: 313, fig. 10. Type locality: Madagascar: Fianarantsoa province, Andriambondro River, 16 km N of Karianga at town of Mahevelo (tributary of Rienana River) 22°21'47"S, 47°22'5"E. Holotype: UMMZ 238042.

Distribution: Sandrananta River basin, Madagascar (Ng & Sparks, 2005).

Gogo brevibarbis (Boulenger, 1911)

Ancharius brevibarbis Boulenger, 1911a: 380, fig. 294. Type locality: Ambohimango, Madagascar. Holotype: BMNH 1896.10.9.40. Holotype illustrated in Ng & Sparks (2005: 313, fig. 8).

Distribution: Apparently in Mananjary River basin, Madagascar (Ng & Sparks, 2005); known only from holotype.

Gogo ornatus Ng & Sparks, 2005

Gogo ornatus Ng & Sparks, 2005: 316, fig. 12. Type locality: Madagascar: Toamasina province, Mangoro River, 200 km upstream of ferry crossing on road to Marolambo. Holotype: AMNH 235213.

Distribution: Mangoro River basin, Madagascar (Ng & Sparks, 2005).

† ANDINICHTHYIDAE Gayet, 1988

† Andinichthyidae Gayet, 1988: 833. Type genus: † *Andinichthys* Gayet, 1988.

Diagnosis: Gayet & Meunier (2003).

Review: Arratia & Gayet (1995).

3 genera, 3 species; 3 named fossil taxa.

† ANDINICHTHYS Gayet, 1988

† *Andinichthys* Gayet, 1988: 833. Type species: † *Andinichthys bolivianensis* Gayet, 1988. Type by original designation. Gender: Masculine.

† *Andinichthys bolivianensis* Gayet, 1988

† *Andinichthys bolivianensis* Gayet, 1988: 834, fig. on p. 834. Type locality: Maastrichtien de la Formation El Molino, Tiupampa (Bolivie). Holotype: MNHN Institut de Paléontologie YPFB-PAL 6178 (partial neurocranium).

Distribution: El Molino Formation, Tiupampa, Bolivia; Maastrichtian (Gayet, 1988).

† HOFFSTETTERICHTHYS Gayet, 1990

† *Hoffstetterichthys* Gayet, 1990: 871. Type species: † *Hoffstetterichthys pucai* Gayet, 1990. Type by original designation. Gender: Masculine.

Remarks: Placement in † Andinichthyidae follows Gayet (1991).

† *Hoffstetterichthys pucai* Gayet, 1990

† *Hoffstetterichthys pucai* Gayet, 1990: 871, figs. 2, 3. Type locality: Maastrichtien de Tiupampa, Province de Mizqué, Département de Cochabamba (Bolivie centrale). Holotype: MHNC 6252 (partial neurocranium).

† INCAICHTHYS Gayet, 1990

† *Incaichthys* Gayet, 1990: 868. Type species: † *Incaichthys suarezi* Gayet, 1990. Type by original designation. Gender: Masculine.

Remarks: Placement in † Andinichthyidae follows Gayet (1991).

† *Incaichthys suarezi* Gayet, 1990

† *Incaichthys suarezi* Gayet, 1990: 868, figs 1, 4. Type locality: Maastrichtien de Tiupampa, Province de Mizqué, Département de Cochabamba (Bolivie centrale). Holotype: MHNC 6253 (partial neurocranium).

ARIIDAE Bleeker, 1862

Hemipimelodinae Gill, 1861c: 46. Type genus: *Hemipimelodus* Bleeker, 1857.

Arii Bleeker, 1862 (in Bleeker, 1862–63): 7, 25. Type genus: *Arius* Valenciennes, 1840.

Batrachocephalinae Gill, 1893:132. Type genus: *Batrachocephalus* Bleeker, 1846.

Doiichthyidae Weber, 1913: 532. Type genus: *Doiichthys* Weber, 1913.

Bagreidae Schultz, 1944c: 182. Type genus: *Bagre* Oken, 1817.

Remarks: The classification of species within the Ariidae is arguably the most poorly resolved of any catfish family. In recent years, there have been three independent attempts to examine the phylogeny of the family (Marceniuk, 2003; Kailola, 2004; and Betancur *et al.*, 2004) and produce classifications that reflect the resulting phylogenetic hypotheses. The phylogenies and their resulting classifications differ markedly from each other, which makes it quite difficult to summarize the current understanding of the taxonomy herein. Thus, many of the generic assignments and synonymies listed here must be considered as tentative. One theme that is repeated in the various studies on the Ariidae is that the genus *Arius* was previously a taxonomic wastebasket and should instead be restricted to a group of Indo-Pacific species. Thus, species that had been treated as valid in *Arius* from the Americas, or western Africa, are now placed in other genera or, when no clear alternative was indicated, as *Incertae sedis*, herein. The family-level name Osteogeneiosinae was proposed by Fowler (1951b: 3) in a manner that made it available when published but is now not available (see Ferraris & de Pinna, 1999, for details). The name *Arius cous*, which appeared in Heckel

(1843) and also in Hyrtl (1859) appears to have been based on *Silurus cous* Linnaeus (now *Glyptothorax cous*) and is not an available name even though it has been treated as such.

Taxonomic summaries: Taylor (1986a, 1986b, Africa); Taylor (1990, eastern tropical Atlantic); Marceniuk & Ferraris (2003, Neotropics).

Reviews: Taylor & Menezes (1978, western central Atlantic) and Acero (2002, western central Atlantic); Jayaram & Dhanze (1979, South Asia); Jayaram (1983, western Indian Ocean); Kailola (1990, freshwaters of northern New Guinea); Daget (1992, West Africa); Kailola & Bussing (1995, Eastern Pacific); Kailola (1999, Western Pacific).

Phylogeny: Betancur-R. (2003), Betancur-R. *et al.* (2004, Neotropics); Kailola (2004, Indo-Pacific).

Evolution: Jayaram & Dhanze (1985, South Asia).

Identification guide: Jayaram (1982, South Asia).

Biogeography: Cione *et al.* (1996, southern South America).

Keys: Kailola (2004: 123, genera); Marceniuk (2005a, Brazil).

26 genera, 133 species; 13 fossil species, not including otolith-based taxa.

Incertae sedis

Arius acutirostris Day, 1877

Arius acutirostris Day, 1877 (in Day, 1875–78): 459, pl. 107 (fig. 1). Type locality: Salween River at Moulmein in Burma. Possible syntypes: BMNH 1870.6.14.34 (1), NMW 44358 (1), NMW 48327 (1), ZMB 2735 (1), ZSI F.454 (1), ZSI F.500 (1), ZSI A.569 (13).

Distribution: Salween River, Myanmar (Jayaram, 1982).

Arius africana Günther, 1867

Arius falcarius africana Günther, in Playfair & Günther, 1867: 114. Type locality: Pangani River, East Africa. Syntypes: BMNH 1865.9.21.16 (1), BMNH 1867.3.7.385–386 (2, skins), BMNH 1867.3.7.499 (1). Originally as *Arius falcarius* var. *africana*.

Distribution: Pangani River and estuaries in Madagascar (Taylor, 1986a).

Arius brunellii Zolezzi, 1939

Arius brunellii Zolezzi, 1939: 168, fig. 1. Type locality: Giuba, Somalia. Syntypes (4): Whereabouts unknown.

Distribution: Juba River, Somalia (Taylor, 1986).

Remarks: Known only from the original description.

Arius gigas Boulenger, 1911

Arius gigas Boulenger, 1911a: 386, fig. 298. Type locality: Lokoja, Upper Niger. Holotype: BMNH 1904.1.20.41.

Distribution: Volta, Niger, and other rivers of Western Africa (Taylor, 1986).

Hemiaris Harmandi Sauvage, 1880

Hemiaris Harmandi Sauvage, 1880b: 230. Isle de Phu-Quoc (golfe de Siam). Holotype: MNHN a-2390.

? *Arius brevirostris* Steindachner, 1901: 447. Baram-Flusse, Borneo. Holotype: at NMW.

Distribution: Gulf of Thailand and, possibly, Borneo.

Remarks: Redescribed in Kailola (1999) but not assigned to any valid genus in Kailola (2004).

Arius Heudelotii Valenciennes, 1840

Arius Heudelotii Valenciennes, in Cuvier & Valenciennes, 1840b: 73 (54 of Strasbourg deluxe edition), pl. 428. Type locality: haut Sénégal. Syntypes: MNHN b-0689 (2).

Arius mercatoris Poll, 1949: 201, fig. 8. Type locality: Atlantic, 12°34'N, 17°09'W, 8–10 fm. Holotype: IRSNB 89.

Distribution: West coast of Africa, from Mauritania to Gabon and, possibly, to Angola; in marine waters and estuaries (Taylor, 1986).

Arius latiscutatus Günther, 1864

Arius latiscutatus Günther, 1864: 151, unnumbered figure. Type locality: Fernando Po and West Africa [restricted to Fernando Po by Lectotype designation]. Lectotype: BMNH 1864.2.26.1 (skin), designated by Taylor (1990: 231).

Arius lagoensis Pfaff, 1933: 298, figs. 9–10. Type locality: Lagos [Nigeria]. Holotype: ZMUC P 29625.

Distribution: Along the western coast of Africa, from Dakar to Angola, and Bioko; sometimes in freshwaters (Tay-

lor, 1986).

Hemipimelodus macrorhynchus Weber, 1913

Hemipimelodus macrorhynchus Weber, 1913: 549, fig. 27. Type locality: Lorentz-Fluss, van Weelskamp; Lorentz-Fluss, "Bivak" Insel; Lorentz-Fluss, Alkmaar [New Guinea]. Syntypes: ZMA 111085 (2), ZMA 111086 (1); dorsal view of head illustrated in Desoutter (1977: 14, fig. 2).

Hemipimelodus aaldereni Hardenberg, 1936b: 367. Type locality: Middle course of Digulriver, southern New Guinea. Holotype: ZMA 110782.

Distribution: Southern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

Remarks: Treated as valid in *Hemipimelodus* by Desoutter (1977), but Kailola (2004) considered the species to be more closely related to species of *Plicofollis* and/or *Genidens*.

Arius parkii Günther, 1864

Arius parkii Günther, 1864: 154, unnumbered figure. Type locality: Lagos and River Niger [restricted to Lagos, by lectotype designation] Nigeria. Lectotype: BMNH 1865.7.4.4, designated by Taylor (1986a: 156).

Arius Capellonis Steindachner, 1867b: 64. Type locality: Monrovia in West-Afrika. Holotype: at NMW. [Description translated into English in Steindachner (1867g: 442).] Illustrated and described in more detail in Steindachner (1867e: 523, pl. 2, figs. 1–3).

Arius granulatus Peters, 1868a: 454. Type locality: Lagos, Nigeria. Holotype: ZMB 6780.

Distribution: Western Africa, from Angola to Cape Blanco and occasionally further north; in coastal waters and estuaries, sometimes in river mouths (Taylor, 1986).

Arius phrygiatus Valenciennes, 1840

Arius phrygiatus Valenciennes, in Cuvier & Valenciennes, 1840b: 79 (59 of Strasbourg deluxe edition). Type locality: Cayenne [interpreted by Boeseman (1972) as having come from Suriname]. Holotype: RMNH 3038.

Arius Dieperinki Bleeker, 1862a: 375. Type locality: Surinama. Holotype: RMNH 3038; holotype illustrated in Bleeker (1864a: 51, pl. 10, pl. 12, fig. 3).

Distribution: Atlantic coastal rivers and estuaries of South America from Guyana to the mouth of the Amazon River (Marceniuk & Ferraris, 2003).

Remarks: Boeseman (1972) treated RMNH 3038 as the holotype of *A. phrygiatus*.

Arius rugispinis Valenciennes, 1840b

Arius rugispinis Valenciennes, in Cuvier & Valenciennes, 1840b: 77 (58 of Strasbourg deluxe edition). Type locality: Cayenne. Syntypes (3): MNHN a-9403 (1).

Tachysurus atroplumbeus Fowler, 1931: 394, fig. 2. Type locality: Vessigny Beach, Brighton, Trinidad. Holotype: ANSP 53316.

Distribution: Atlantic coastal rivers of South America from Venezuela to mouth of Amazon River (Marceniuk & Ferraris, 2003).

† *Felichthys stauroforus* Lynn & Melland, 1939

† *Felichthys stauroforus* Lynn & Melland, 1939: 14. Type locality: Calvert Formation, Maryland. Holotype: USNM 15476 (partial neurocranium).

Distribution: Calvert Formation, Zone 12, Miocene (Lundberg, 1975, as † *Arius stauroforus*).

AMISSIDENS Kailola, 2004

Amissidens Kailola, 2004: 125. Type species: *Arius hainesi* Kailola, 2000. Type by original designation. Gender: Masculine.

Amissidens hainesi (Kailola, 2000)

Arius hainesi Kailola, 2000: 139, figs. 9–11. Type locality: Ludmilla Creek (12°27'S, 130°46'E), Darwin, Northern Territory, Australia. Holotype: NTM S.11507-001.

Distribution: Southern coast of New Guinea and Northern Australia, between Darwin and southern Gulf of Carpentaria (Kailola, 2000).

ARIOPSIS Gill, 1861

Ariopsis Gill, 1861a: 56. Type species: *Arius milberti* Valenciennes, 1840. Type by monotypy. Gender: Feminine.

Remarks: Kailola (2004) treated this genus as valid with two distinct geographic components, one distributed in tropical America and the other in the Australia-New Guinea region. Herein, the two geographic components are treated as separate genera; the American species placed in *Ariopsis* and the Australia-New Guinean species in *Neoarius*.

Ariopsis assimilis (Günther, 1864)

Arius assimilis Günther, 1864: 146. Type locality: Lake of Yzabal, Guatemala. Holotype: BMNH 1864.1.26.98.

Distribution: Atlantic draining rivers, from Quintana Roo, Mexico, to Honduras (Miller *et al.*, 2005).

Ariopsis bonillai (Miles, 1945)

Galeichthys bonillai Miles, 1945: 454, figs. 4–4a. Type locality: Río Magdalena, Honda, Colombia. Holotype: at Sec. Caza y Pesca, Min. Nat. Econ. Bogotá.

Distribution: Caribbean draining rivers of Colombia, including Magdalena River (Marceniuk & Ferraris, 2003).

Ariopsis felis (Linnaeus, 1766)

Silurus Felis Linnaeus, 1766: 503. Type locality: Carolina [now: Charleston Harbor, South Carolina, U.S.A. by neotype designation]. Neotype: BMNH 1985.11.11.1. Name placed on Official List in ICZN Opinion 1547, with neotype designated.

Arius Milberti Valenciennes, in Cuvier & Valenciennes, 1840b: 74 (56 of Strasbourg deluxe edition). Type locality: New-York ... Charlestown. Syntypes: MNHN b-0593 (3).

Arius equestris Baird & Girard, 1854: 26. Type locality: Indianola, Texas. Holotype: USNM 836; holotype illustrated in Girard (1859a: 32, pl. 15).

Galeichthys guentheri Regan, 1907, in Regan, 1906–08: 124, pl. 16 (fig. 1), 19 (fig. 3). Type locality: Gulf of Mexico. Syntypes: BMNH 1855.9.19.1105–1106 (2).

Distribution: Western North Atlantic and Gulf of Mexico.

Ariopsis guatemalensis (Günther, 1864)

Arius guatemalensis Günther, 1864: 145, unnumbered figures. Type locality: Guatemala [and] Chiapan. Syntypes (2): BMNH 1853.1.11.6 (1).

Arius caerulescens Günther, 1864: 149, fig. on p. 149. Type locality: Huamuchal, Guatemala. Syntypes: BMNH 1864.1.26.208–209 (2).

Galeichthys azureus Jordan & Williams, in Jordan, 1895: 398, pl. 27. Type locality: Estuary at Mazatlán, Sinaloa, w. Mexico. Holotype: SU 11575.

Distribution: Pacific coast and coastal rivers of North and Central America, from Gulf of California, Mexico to Honduras (Miller *et al.*, 2005).

Ariopsis lentiginosa (Eigenmann & Eigenmann, 1888)

Tachisurus lentiginosus Eigenmann & Eigenmann, 1888b: 139. Type locality: Panama. Syntypes (2, 39 cm): MCZ 4970 (2).

Galeichthys xenauchen Gilbert, in Jordan & Evermann, 1898: 2777. Type locality: Panama. Holotype: SU 5821; holotype figured in Gilbert & Starks (1904: pl. 4, fig. 7).

Distribution: Pacific coast in Panama (Kailola & Bussing, 1995).

Ariopsis seemanni (Günther, 1864)

Arius seemanni Günther, 1864: 147, fig. Type locality: Central America. Holotype: BMNH 1855.9.19.1107.

Tachisurus jordani Eigenmann & Eigenmann, 1888b: 142. Type locality: Panama. Syntypes (2, 25–26 cm): MCZ 4945 (2).

Galeichthys gilberti Jordan & Williams in Jordan, 1895: 395, pl. 26. Type locality: Upper part of astillero at Mazatlán, Sinaloa, w. Mexico. Holotype: USNM 29213.

Galeichthys eigenmanni Gilbert & Starks, 1904: 21, pl. 4 (fig. 8). Type locality: Panama. Holotype: SU 6986.

Galeichthys simonsi Starks, 1906: 764, fig. 1. Type locality: Callao, Peru. Holotype: USNM 53466.

Distribution: Pacific draining rivers and estuaries of the Americas, from Mexico to Peru (Miller *et al.*, 2005).

Species inquirenda, Ariopsis

Hexanematichthys surinamensis Bleeker, 1862a: 380. Type locality: Surinama. Holotype: RMNH 3055; holotype illus-

trated in Bleeker (1864: 55, pl. 6, fig. 2; pl. 7, fig. 1).

Remarks: Treated as valid in Kailola (2004), but of uncertain status in Marceniuk & Ferraris (2003).

ARIUS Valenciennes, 1840

Arius Valenciennes, in Cuvier & Valenciennes, 1840b: 53 (40 of Strasbourg deluxe edition). Type species: *Pimelodus arius* Hamilton, 1822. Type by absolute tautonymy. Gender: Masculine.

Ariodes Müller & Troschel, 1849: 9. Type species: *Bagrus (Ariodes) arenarius* Müller & Troschel, 1849. Type by subsequent designation, by Bleeker (1862–63: 8). Gender: Masculine. Originally proposed as a subgenus of *Bagrus*.

Pseudarius Bleeker, 1862 (in Bleeker, 1862–63): 8. Type species: *Pimelodus arius* Hamilton, 1822. Type by original designation. Gender: Masculine.

***Arius arenarius* (Müller & Troschel, 1849)**

Bagrus (Ariodes) arenarius Müller & Troschel, 1849: 9. Type locality: China. Holotype or Syntype: ZMB 3001.

Arius fangi Chaux, in Chaux & Fang, 1949a: 194, fig. 1. Type locality: Tonkin. Holotype: MNHN 1966-0726.

Distribution: Southern China, in coastal waters.

Remarks: The synonymy here follows the proposal in Kottelat (2001a: 56).

***Arius arius* (Hamilton, 1822)**

Pimelodus arius Hamilton, 1822: 170, 376. Type locality: estuaries of Bengal. No types known.

Arius falcarius Richardson, 1845: 134, pl. 62 (figs. 7–9). Type locality: Canton, China. Syntypes (2): BMNH (apparently lost: Whitehead, 1970: 210). BMNH has two specimens identified as *Arius falcarius* from the Reeves collection. One specimen preserved in alcohol, 129 mm SL (BMNH 2005.9.12.2) and the second, a mounted, left one-half specimen, 289 mm SL (BMNH 2005.9.12.1). One or both are likely to be part of the type series.

Arius cochinchinensis Günther, 1864: 170, unnumbered figures. Type locality: Cochinchina. Holotype (skin): at BMNH, but not found in 2005.

Arius boakeii Turner, 1867: 82. Type locality: Ceylon. Syntypes: BMNH 1866.7.11.1 (1), possibly NMSZ 1987.030 (1).

Arius Buchananii Day, 1877 (in Day, 1875–78): 463, pl. 105 (fig. 6). Type locality: Hooghly at Calcutta and Burma [Irrawaddi]. Possible syntypes: ZSI 456 (1), ZSI 1302 (1, apparently lost).

Distribution: Bay of Bengal, South China Sea and, possibly, coast of Sumatra (Kailola, 1999); Pakistan, west coast of India, and Chilka Lake (Jayaram, 1982).

Remarks: See Wang *et al.* (2005a) for comments on the validity of this species.

? *Arius bicolor* (Fowler, 1935)

Hemipimelodus bicolor Fowler, 1935b: 100, fig. 23. Type locality: Bangkok, Siam. Holotype: ANSP 60777.

Hemipimelodus atripinnis Fowler, 1937: 145, fig. 34. Type locality: Bangkok, Siam. Holotype: ANSP 67906.

Distribution: Lower courses of Mekong and Chao Phraya River basins (Rainboth, 1996).

Remarks: Treated as valid in *Hemipimelodus* by Desoutter (1977) but as a likely synonym of *Arius maculatus* by Kailola (1999).

***Arius dispar* Herre, 1926**

Arius dispar Herre, 1926: 405, pl. 1 (fig. 6). Type locality: Paco market, Manila, Philippines. Holotype: BSMP (destroyed).

Distribution: Philippines, Taiwan and, possibly, northern Borneo (Kailola, 1999).

***Arius festinus* Ng & Sparks, 2003**

Arius festinus Ng & Sparks, 2003: 5, fig. 4. Type locality: Madagascar, Amboabo River, near its confluence with the Mangarahara River (left bank tributary of the Sofia River), 15°50'01"S, 48°42'52"E. Holotype: UMMZ 239806.

Distribution: Amboabo River, Madagascar (Ng & Sparks, 2003).

***Arius gagara* (Hamilton, 1822)**

Pimelodus gagara Hamilton, 1822: 167, 376, pl. 10 (fig. 54). Type locality: estuaries of Bengal. No types known.

Distribution: Bay of Bengal, from India to Thailand; in tidal portions of rivers and along the coast (Kailola, 1999).

***Arius leptanotacanthus* Bleeker, 1849**

Arius leptotacanthus Bleeker, 1849: 11. Type locality: In Freto Madurae prope Kammal et Surabaya. Holotype (221 mm TL): BMNH 1863.12.4.114. Holotype illustrated in Bleeker (1862–63: 32, pl. 54 [=Silur. pl. 6], fig. 2). Distribution: Western Central Pacific, along Gulf of Thailand and Indonesia; in coastal waters and estuaries (Kailola, 1999).

Remarks: Register number of holotype of *Arius leptotacanthus* listed as BMNH 1863.12.4.144 in Eschmeyer *et al.* (1998).

Arius maculatus (Thunberg, 1792)

Silurus maculatus Thunberg, 1792: 31, pl. 1 (fig. 2). Type locality: China, Japan. No types known.

Silurus ocellatus Bloch & Schneider, 1801: 379. Type locality: Japonia. No types known. Unneeded new name for *Silurus maculatus* Thunberg, 1792.

Pimelodus thunberg La Cepède, 1803: 691, 692. Type locality: China, Japan. No types known. Unneeded new name for *Silurus maculatus* Thunberg, 1792.

Bagrus gagorides Valenciennes, in Cuvier & Valenciennes, 1840a: 441 (327 of Strasbourg deluxe edition). Type locality: [Ganges River]. Holotype: MNHN a-9330 (mounted).

Arius gagoroides Bleeker, 1846a: 168. Type locality: Batavia. Syntypes (size and number not stated): SMNS 10567 (2). [See also Bleeker, 1847c.]

Distribution: Western central Pacific; in inshore coastal waters, estuaries, and lower reaches of rivers (Kailola, 1999).

Arius madagascariensis Vaillant, 1894

Arius madagascariensis Vaillant, 1894a: 77. Type locality: Fl. Moroundava [Madagascar]. Holotype: MNHN 1894-0002.

Distribution: Western side of Madagascar, in rivers and lakes (Taylor, 1986b; Ng & Sparks, 2003).

Remarks: Redescribed in Ng & Sparks (2003).

Arius malabaricus Day, 1877

Arius Malabaricus Day, 1877 (in Day, 1875–78): 464, pl. 107 (fig. 4). Type locality: Canara [India]. Holotype: ZSI 1305.

Distribution: Peninsular India.

Remarks: See Jayaram & Dhanze (1981a) for comments on validity.

Arius manillensis Valenciennes, 1840

Arius Manillensis Valenciennes, in Cuvier & Valenciennes, 1840b: 93 (69 of Strasbourg deluxe edition). Type locality: Manille. Holotype (14 pouces): at MNHN.

Pseudarius philippinus Sauvage, 1880a: 226. Type locality: Ile de Luçon, Philippines. Holotype: MNHN a-2615.

Distribution: Philippines, in coastal waters, estuaries, and freshwater (Kailola, 1999).

Arius microcephalus Bleeker, 1855

Arius microcephalus Bleeker, 1855b: 423. Type locality: Bandjermasin, in fluviis [Borneo]. Syntypes (2, 140–213 mm TL): BMNH 1863.12.4.149 (1, 108 mm SL, 132 mm TL), RMNH 6902 (1). One syntype illustrated in Bleeker (1862–63:37, pl. 51 [Silur. pl. 3], fig. 1, as *Pseudarius microcephalus*).

? *Arius sciurus* Smith, 1931: 30. Type locality: Tapi River near Bandon, Peninsular Siam. Holotype: USNM 90310.

Distribution: Borneo and eastern side of Malay peninsula; in lower portions of rivers and in brackish waters (Kailola, 1999).

Remarks: Register number of syntype of *Arius microcephalus* incorrectly reported as BMNH 1863.12.11.149 in Eschmeyer *et al.* (1998).

Arius oetik Bleeker, 1846

Arius oetik Bleeker, 1846a: 166. Type locality: Batavia. Syntype (size and number not stated): Possibly BMNH 1863.12.4.111 (1), NMV 45987 (1). Bleeker (1847: 32) changed the spelling to *Arius utik*, which has been used frequently in literature. [See also Bleeker, 1847c.]

Distribution: Gulf of Thailand and in waters around much of Malaysia and Indonesia; in coastal waters and estuaries (Kailola, 1999).

Arius subrostratus Valenciennes, in Cuvier & Valenciennes, 1840b

Arius subrostratus Valenciennes, in Cuvier & Valenciennes, 1840b: 62 (46 of Strasbourg deluxe edition). Type local-

ity: Malabar. Holotype: MNHN 0000-1190.

Distribution: South Asia and eastward to western central (Jayaram, 1982).

Arius sumatranus (Bennett, 1830)

Bagrus sumatranus Bennett, 1830: 691. Type locality: Sumatra. Syntype: BMNH 1855.12.26.485 (1).

Distribution: Eastern Bay of Bengal to western central Pacific; in coastal waters and estuaries (Kailola, 1999).

Remarks: Treated by Kailola (1999) as a likely synonym of *Arius venosus* Valenciennes, 1840, but later treated as valid (Kailola, 2004). The distribution limits stated here represent the entire distribution of *A. venosus*, which may not be that of *A. sumatranus*.

Arius uncinatus Ng & Sparks, 2003

Arius uncinatus Ng & Sparks, 2003: 12, fig. 7. Type locality: Madagascar, Lake Andrapongy, near Antsohihy. Holotype: MHNG 2622.81

Distribution: Lake Andrapongy, Ankofia River basin, Madagascar (Ng & Sparks, 2003).

Arius venosus Valenciennes, 1840

Arius venosus Valenciennes, in Cuvier & Valenciennes, 1840b: 69 (52 of Strasbourg deluxe edition). Type locality: Rangoon; Manille. Syntypes: MNHN 0000-1205 (2).

Bagrus Schlegelii Bleeker, 1846a: 153. Type locality: Batavia. Type(s) (size and number not stated): possibly AMS B.8123. [See also Bleeker, 1847c.]

? *Arius micruropterygius* Bleeker, 1847a: 165. Type locality: Batavia. Type(s): Whereabouts unknown.

Distribution: Eastern Bay of Bengal to western central Pacific; in coastal waters and estuaries (Kailola, 1999).

Species inquirendae, Arius

Arius macracanthus Günther, 1864: 167, unnumbered figure. Type locality: Siam. Holotype: BMNH 1862.11.1.222.

Arius jella Day, 1877 (in Day, 1875–78): 467, pl. 106 (fig. 3). Type locality: Coromandel Coast of India; Madras. Syntype: ZSI 1304 (1, figured specimen).

ASPISTOR Jordan & Evermann, 1898

Aspistor Jordan & Evermann, 1898: 2763. Type species: *Arius luniscutis* Valenciennes, 1840. Type by original designation. Gender: Masculine.

Aspistor hardenbergi (Kailola, 2000)

Arius hardenbergi Kailola, 2000: 137, figs. 7–8. Type locality: Manimeri River (2°06'S, 133°45'E), Bintuni Bay, Papua (Irian Jaya). Holotype: WAM P.29966-001.

Distribution: Southern coast of New Guinea, from Vogelkop Peninsula to mouth of Fly River (Kailola, 2000).

Aspistor luniscutis (Valenciennes, 1840)

Arius luniscutis Valenciennes in Cuvier & Valenciennes, 1840b: 109 (82 of Strasbourg deluxe edition). Type locality: Brésil. Syntypes: MNHN a-8980 (2), MNHN b-0595 (1).

Arius physacanthus Vaillant, 1899: 155. Type locality: le Mahury [French Guiana]. Holotype: MNHN 1899-0058; holotype illustrated in Vaillant (1900: 128, fig. 1).

Arius bonneti Puyo, 1936: 107, fig. 17 (middle). Type locality: not stated [Cayenne River, French Guiana]. Holotype: MNHN 1936-0162. Preoccupied by † *Arius bonneti* Priem, 1904.

Arius clavispinosus Puyo, 1936: 103, fig. 16 (left). Type locality: île de Cayenne (rivière de Cayenne) [French Guiana]. Holotype: MNHN 1936-0163.

Arius despaxi Puyo, 1936: 110, fig. 17 (right). Type locality: [Cayenne River, French Guiana]. Holotype: MNHN 1936-0161.

Distribution: Atlantic coastal rivers of South America from French Guiana to southern Brazil (Marceniuk & Ferraris, 2003).

Aspistor parkeri (Traill, 1832)

Silurus parkeri Traill, 1832: 377, pl. 6 (fig. 1). Type locality: Guiana. Holotype: Whereabouts unknown.

Distribution: Atlantic draining coastal rivers of South America from Guyana to northern Brazil (Marceniuk & Ferraris, 2003).

Aspistor quadriscutis (Valenciennes, 1840)

Arius quadriscutis Valenciennes, in Cuvier & Valenciennes, 1840b: 111 (83 of Strasbourg deluxe edition). Type locality: Cayenne ou de la Mana ... Cayenne. Syntypes: MNHN a-9402 (1), MNHN b-0596 (1), MNHN b-0613 (1), RMNH 3049 (1), RMNH 3050 (1).

Distribution: Atlantic coastal rivers of South America from Guyana to northeastern Brazil (Marceniuk & Ferraris, 2003).

BAGRE Cloquet, 1816

Bagre Cloquet, 1816: 52. Type species: *Silurus bagre* Linnaeus, 1766. Type by absolute tautonymy. Gender: Masculine. Placed on Official List (ICZN, Opinion 1402).

Bagre Oken, 1817: 1183. *Silurus bagre* Linnaeus, 1766. Type by absolute tautonymy. Gender: Masculine. Apparently proposed independently of *Bagre* Cloquet.

Glanis Spix & Agassiz, 1829: 46. Type species: *Silurus bagre* Linnaeus, 1766. Type by subsequent designation by Kottelat (1988: 78). Gender: Masculine. Not preoccupied by *Glanis* in Rafinesque, 1818, which is not an available name.

Stearopterus Minding, 1832: 116. Type species: *Stearopterus bagre* Minding, 1832 [= *Silurus bagre* Linnaeus, 1766]. Type by monotypy. Gender: Masculine.

Breviceps Swainson, 1838: 328, 343. Type species: *Silurus bagre* of Bloch, 1794. Type by monotypy. Gender: Neuter. Preoccupied by *Breviceps* Merrem, 1820 (in Amphibia); replaced by *Felichthys* Swainson, 1839.

Felichthys Swainson, 1839: 305. Type species: *Silurus bagre* of Bloch, 1794. Type by being a replacement name. Gender: Masculine. Replacement for *Breviceps* Swainson, 1838.

Ailurichthys Baird & Girard, 1854: 26. Type species: *Silurus marinus* Mitchill, 1815. Type by subsequent designation by Jordan & Evermann (1896: 116). Gender: Masculine. Spelled *Aelurichthys* in Gill (1863: 172) and elsewhere, but clearly attributed to Baird & Girard, so treated here as an unintended misspelling and not an available name.

Mystus Gray, 1854: 155. Type species: *Mystus carolinensis* Gronow, 1854. Type by subsequent designation by Jordan & Evermann (1896: 116). Gender: Masculine. Preoccupied by *Mystus* Scopoli, 1777.

Paradiplomystes Bleeker, 1862 (in Bleeker, 1862–63): 8. Type species: *Pimelodes coruscans* Lichtenstein, 1819. Type by original designation. Gender: Masculine.

Anemanotus Fowler, 1944c: 171. Type species: *Aelurichthys panamensis* Gill, 1863. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Ailurichthys*.

Taxonomic overview: Acero *et al.* (2005).

Remarks: See Gill (1891b) for comments on the validity of *Felichthys*.

Bagre bagre (Linnaeus, 1766)

Silurus Bagre Linnaeus, 1766: 505. Type locality: America meridionali. On several literature accounts, including Gronovius (1763: no. 382). Placed on Official List as type species of *Bagre* (ICZN, Opinion 1402).

? *Pimelodes coruscans* Lichtenstein, 1819: 58. Type locality: Brasilien. Holotype: Whereabouts unknown; apparently not ZMB 2978 as listed by Paepke (1999).

Felichthys filamentosus Swainson, 1839: 392. Type locality: Estuaries of rivers near Pernambuco, Brazil. No types known.

Gleichthys Gronovii Valenciennes, in Cuvier & Valenciennes, 1840b: 40 (30 of Strasbourg deluxe edition). Unneeded new name for *Silurus bagre* Linnaeus.

Bagrus macronemus Ranzani, 1842: 334, pl. 28. Type locality: Fiume Brasiliano detto di S. Francesco. Holotype: MZUB 930. Name appears first in Ranzani (1841: 65) as a *nomen nudum*.

Mystus carolinensis Gronow in Gray, 1854: 156. Type locality: fluminibus majoribus Americae Meridionalis. No types known; based on several literature sources.

Distribution: Caribbean and Atlantic coastal rivers of South America, from Colombia to the mouth of the Amazon River (Marceniuk & Ferraris, 2003).

Bagre marinus (Mitchill, 1815)

Silurus marinus Mitchill, 1815: 433. Type locality: New York. No types known.

Galeichthys Blochii Valenciennes, in Cuvier & Valenciennes, 1840b: 44 (33 of Strasbourg deluxe edition). Type locality: Surinam; Bahia. Syntypes: at MNHN (2), and ZMB 2989 (Paepke, 1999: 46). Description based on specimens and reference to Bloch (1794: pl. 365).

Galeichthys Parrae Valenciennes, in Cuvier & Valenciennes, 1840b: 33 (25 of Strasbourg deluxe edition). Type locality: New York. No types known. Unneeded new name for *Silurus marinus* Mitchill.

Galeichthys bahiensis Castelnau, 1855: 37, pl. 18 (fig. 1). Type locality: Bahia [Bahia]. Holotype: MNHN b-0692.

Aelurichthys longispinis Günther, 1864: 178. Type locality: South America; Mexico. Syntypes (3): BMNH 1976.2.18.1 (1), BMNH 1976.2.18.2 (1).

Distribution: Coast of Gulf of Mexico, western margin of Caribbean and northern margin of South America: sometimes in rivers and estuaries (Marceniuk & Ferraris, 2003).

Bagre panamensis (Gill, 1863)

Aelurichthys panamensis Gill, 1863: 172. Type locality: Western coast of Central America. Holotype: at USNM (not found, see Jordan & Gilbert, 1882; Ferraris & Vari, 1992).

Aelurichthys nuchalis Günther, 1864: 179, fig. Type locality: Pacific coast of Panama. Holotype: BMNH 1864.1.26.344; holotype illustrated in Günther (1868c: pl. 81, fig. 2).

Aelurichthys scutatus Regan, 1907, in Regan, 1906–08: 116, pl. 15 (fig. 2), 19 (fig. 2). Type locality: Panama or Ecuador. Syntype: BMNH 1903.5.15.328.

Aelurichthys isthmensis Regan, 1907, in Regan, 1906–08: 117, pl. 15 (fig. 1), 19 (fig. 1). Type locality: Colón, Panama. Syntypes: BMNH 1877.5.31.7–8

Distribution: West coast of Americas, from off Santa Ana River in southern California, USA, to Peru. Only rarely found north of southern Baja California (Marceniuk & Ferraris, 2003).

Bagre pinnimaculatus (Steindachner, 1876)

? *Galeichthys Eydouxii* Valenciennes, in Cuvier & Valenciennes, 1840b: 43 (32 of Strasbourg deluxe edition). Type locality: la rivière de Guayaquil. Holotype: MNHN 0000-1572. Name spelled *Eidouxii* on p. 43 and *Eydouxii* in table of contents (p. xviii). First reviser apparently Eschmeyer, Ferraris, Hoang & Long (1998).

Aelurichthys pinnimaculatus Steindachner, 1876: 565, pl. 8. Type locality: Panama, Altata, Westküste von Costa Rica. Syntypes: MCZ 4941 (1), MCZ 23746 (3), MCZ 23747 (1), NMW 47895 (1), NMW 47897 (1), NMW 47898 (1), NMW 47899 (1), NMW 50577 (1), USNM 123011 (2).

Distribution: Pacific draining rivers of North, Central and South America, from the Gulf of California to Ecuador (Marceniuk & Ferraris, 2003).

Remarks: Species treated as valid in Kailola & Bussing (1995: 878), but with *Galeichthys eydouxii* as a possible senior synonym. Therefore, the name *G. eydouxii* is tentatively placed here.

BATRACHOCEPHALUS Bleeker, 1846

Batrachocephalus Bleeker, 1846a:176. Type species: *Batrachocephalus ageneiosus* Bleeker, 1846. Type by monotypy. Gender: Masculine.

Batrachocephalus mino (Hamilton, 1822)

Ageneiosus mino Hamilton, 1822: 159, 375. Type locality: Upper part of [Ganges] estuaries. No types known.

Batrachocephalus ageneiosus Bleeker, 1846a: 176. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown [See also Bleeker, 1847c.]

Batrachocephalus micropogon Bleeker, 1858b: 118. Type locality: Java (Batavia, Surabaya), in mari et aquis fluvio-marinis. Syntypes (10: 180–248 mm TL): AMS B.7964, BMNH 1862.2.4.18, also on *Ageneiosus mino* Hamilton and *Batrachocephalus ageneiosus* Bleeker). One syntype illustrated in Bleeker (1862–63: pl. 17).

Distribution: Bay of Bengal, and parts of the western central Pacific, in coastal waters, estuaries, and lower reaches of rivers (Kailola, 1999); also Pakistan (Jayaram, 1982).

BRUSTIARIUS Herre, 1935

Brustiarius Herre, 1935: 388. Type species: *Arius nox* Herre, 1935. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Arius*.

Brustiarius nox (Herre, 1935)

Arius nox Herre, 1935: 388. Type locality: Nyaurangai, Sepik River, New Guinea. Holotype: FMNH 17195.

Distribution: Sepik River, New Guinea (Herre, 1935).

Brustiarius solidus (Herre, 1935)

Arius solidus Herre, 1935: 385. Type locality: Timbunke, Sepik River, New Guinea. Holotype: FMNH 17201.

Arius kanganamanensis Herre, 1935: 387, fig. 32. Type locality: Kanganaman, Sepik River, New Guinea. Holotype: FMNH 17194.

Hemipimelodus bernhardi Nichols, 1940: 3. Type locality: Bernhard Camp, Idenburg River, Netherland New Guinea. Holotype: AMNH 15039.

Arius microstomus Nichols, 1940: 2. Type locality: Bernhard Camp, Idenburg River, Netherland New Guinea. Holotype: AMNH 15041.

Distribution: Northern Papua (formerly Irian Jaya) (Allen, 1996) and Sepik River basin.

Remarks: Kailola (1990) and Allen & Coates (1990) treat *Arius kanganamanensis* as a junior synonym of *A. solidus*.

As such, the earlier of these two publications serves as first reviser in establishing priority but, since the results are identical, the question of which of these papers was published first was not pursued at this time.

CATHOROPS Jordan & Gilbert, 1882

Cathorops Jordan & Gilbert, 1882: 39, 54. Type species: *Arius hypophthalmus* Steindachner, 1876. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Arius*. Name dates to key on p. 39, which is part of a signature dated as 25 Sept 1882.

Cathorops agassizii (Eigenmann & Eigenmann, 1888)

Tachisurus agassizii Eigenmann & Eigenmann, 1888b: 145. Type locality: Rio Grande do Sul [Brazil]. Holotype: MCZ 7670.

Arius pleurops Boulenger, 1897a: 296. Type locality: Magoarisinho, Cape Magoary [Marajo I., Brazil]. Holotype: BMNH 1897.7.17.7 (plus eggs and embryos in mouth).

Distribution: Northern coast of South America including Guyana and the north and northeast Brazil (Marceniuk & Ferraris, 2003).

Cathorops aguadulce (Meek, 1904)

Galeichthys aguadulce Meek, 1904: 9, pl. 4. Type locality: Río Tesechocán, Pérez, Vera Cruz basin of the Rio Papaloapam [Mexico]. Holotype: FMNH 4678.

Distribution: Atlantic draining rivers from Panuco River basin, Mexico to Izabal Lake, Guatemala (Miller *et al.*, 2005).

Cathorops arenatus (Valenciennes, 1840)

Arius arenatus Valenciennes in Cuvier & Valenciennes, 1840b: 106 (79 of Strasbourg deluxe edition). Type locality: Cayenne [interpreted by Boeseman (1972) as having come from Suriname]. Holotype: RMNH 3099.

Arius fissus Valenciennes in Cuvier & Valenciennes, 1840b: 107 (79 of Strasbourg deluxe edition). Type locality: Cayenne [interpreted by Boeseman (1972) as having come from Suriname]. Holotype: RMNH 3036.

Distribution: Atlantic coastal rivers of South America from Guyana to northeastern Brazil (Marceniuk & Ferraris, 2003).

Remarks: Marceniuk & Ferraris (2003: 449) acted as first reviser in giving precedence to *Arius arenatus* over *A. fissus*.

Cathorops dasycephalus (Günther, 1864)

Arius dasycephalus Günther, 1864: 157, fig. on p. 157. Type locality: Oahu, Sandwich Islands [in Error]. Holotype: BMNH 1855.9.19.1100.

Tachisurus longicephalus Eigenmann & Eigenmann, 1888b: 143. Type locality: Gulf of Panama, Panama. Holotype: MCZ 4972. Name spelled *Tachisurus longicephalus* in account heading, *T. longicephalus* in introduction (p. 119); the latter spelling is considered valid.

Distribution: Pacific coast of South and Central America, from Costa Rica to Ecuador (Marceniuk & Ferraris, 2003).

Cathorops fuerthii (Steindachner, 1876)

Arius Fürthii Steindachner, 1876: 579. Type locality: Panama. Syntypes (4): possibly MCZ 4943 (2), MCZ 4973 (3), MCZ 7691 (1), NMW 50568 (2).

Tachysurus evermanni Gilbert & Starks, 1904: 32, pl. 5 (fig. 10). Type locality: Panama Bay. Holotype: SU 6706.
Distribution: Pacific draining rivers of the Americas from Mexico to Ecuador (Miller *et al.*, 2005).

Cathorops hypophthalmus (Steindachner, 1876)

Arius hypophthalmus Steindachner, 1876: 581, pl. 10. Type locality: Panama. Holotype: at NMW.

Tachysurus gulosus Eigenmann & Eigenmann, 1888b: 146. Type locality: Panama. Syntypes (2): MCZ 4974 (2).

Distribution: Pacific draining rivers of Panama, in brackish and fresh water (Marceniuk & Ferraris, 2003).

Cathorops mapale Betancur-R. & Acero P., 2005

Cathorops mapale Betancur-R. & Acero P., 2005: 47, figs. 1, 2. Type locality: Ciénaga Grande de Santa Marta (CGSM), Madgalena, CO (10°59'N, 74°17'W). Holotype: INVEMAR-PEC 5333.

Distribution: Coastal Caribbean region of Colombia (Betancur-R. & Acero P., 2005).

Cathorops melanopus (Günther, 1864)

Arius melanopus Günther, 1864: 172. Type locality: Rio Motagua. Syntypes (apparently only 2): BMNH 1865.4.29.51–53 (3).

Distribution: Motagua River basin of Guatemala (Marceniuk & Ferraris, 2003).

Cathorops multiradiatus (Günther, 1864)

Bagrus arioides Kner, 1863: 227, fig. 15. Type locality: Rio Bayano im Staate Panama, Südseite. Holotype (6"): at NMW. Also in Kner & Steindachner (1864: 47). Preoccupied by *Bagrus arioides* Valenciennes, 1840; replaced by *Arius multiradiatus* Günther, 1864.

Arius multiradiatus Günther, 1864: 173. Type locality: Rio Bayano im Staate Panama, Südseite. Holotype: at NMW. Replacement for *Bagrus arioides* Kner, 1863.

Tachysurus emmelane Gilbert, in Jordan & Evermann, 1898: 2785. Type locality: Panama. Holotype: SU 5818; holotype illustrated in Gilbert & Starks (1904: pl. 6).

Tachysurus equatorialis Starks, 1906: 766, fig. 3. Type locality: Guayaquil, Ecuador. Holotype: USNM 53470.

Distribution: Rivers and bays of Pacific coast of Central America, from Guatemala to Panama (Marceniuk & Ferraris, 2003).

Remarks: Kailola & Bussing (1995: 881) tentatively placed the species in *Cathorops*, which is followed herein.

Cathorops spixii (Spix & Agassiz, 1829)

Pimelodus spixii Spix & Agassiz, 1829: 19, pl. 7 (fig. 1). Type locality: Brasilia aequatoriali. Whereabouts unknown (Kottelat, 1988).

Pimelodus albidus Spix & Agassiz, 1829: pl. 7 (fig. 1). Type locality: [Not stated]. Whereabouts unknown (Kottelat, 1988). Name available from plate caption.

Distribution: Atlantic and Caribbean rivers and estuaries of northern South America from Colombia to Brazil (Marceniuk & Ferraris, 2003), but considered restricted to the Atlantic coast by Betancur-R. & Acero P. (2005).

Remarks: Taylor & Menezes (1978) indicate that two or more species may be included here. Agassiz (1831, in Spix & Agassiz, 1829–1831: conspectus) serves as first reviser in treating *Pimelodus spixii* as valid over *Pimelodus albidus*.

Cathorops steindachneri (Gilbert & Starks, 1904)

Tachysurus steindachneri Gilbert & Starks, 1904: 29, pl. 5 (fig. 9). Type locality: Panama Bay. Holotype: SU 7026.

Arius taylori Hildebrand, 1925: 250, fig. 10. Type locality: Río Lempa, San Marcos, El Salvador. Holotype: USNM 87224.

Distribution: Pacific draining rivers and estuaries of Central America (Marceniuk & Ferraris, 2003).

Remarks: Kailola & Bussing (1995: 882) tentatively placed the species in *Cathorops*.

Cathorops tuyra (Meek & Hildebrand, 1923)

Arius tuyra Meek & Hildebrand, 1923: 128, pl. 5. Type locality: Río Tuyra, mouth of Río Yape, Darien, Panama. Holotype: USNM 79413.

Distribution: Pacific drainage rivers and estuaries of South and Central America, from Panama to Peru (Marceniuk & Ferraris, 2003).

Remarks: Placed by Kailola & Bussing (1995: 883) tentatively in *Cathorops*.

Species inquirendae, Cathorops

Arius variolosus Valenciennes in Cuvier & Valenciennes, 1840b: 107 (80 of Strasbourg deluxe edition). Type locality: Cayenne. Holotype: MNHN 0000-4169.

Arius puncticulatus Valenciennes in Cuvier & Valenciennes, 1840b: 108 (81 of Strasbourg deluxe edition). Type locality: Buéno-Ayres. Holotype (6 pouces): at MNHN.

Arius nuchalis Günther, 1864: 171, unnumbered figure. Type locality: British Guiana. Syntypes (6): BMNH 2005.5.17.1–2 (2), possibly BMNH 1975.1.17.3–5 (3), but original registration information gives locality as West Indies and having come from “old collection” which does not agree with information provided in Günther.

Arius laticeps Günther, 1864: 171, unnumbered figures. Type locality: British Guiana; Trinidad. Syntypes: BMNH 1863.6.18.8 (1), BMNH 1976.2.25.1 (1, 137 mm TL).

Tachysurus liropus Bristol, in Gilbert, 1897: 438. Type locality: San Juan Lagoon, near mouth of Rio Ahome, Sonora, Mexico. Syntypes (6): SU 324 (3), USNM 47584 (2).

CEPHALOCASSIS Bleeker, 1857

Cephalocassis Bleeker, 1857b: 473. Type species: *Arius melanochir* Bleeker, 1852. Type by monotypy. Also published in Bleeker (1858b: 62, 98). Gender: Feminine.

Hemipimelodus Bleeker, 1857b: 473. Type species: *Pimelodus borneënsis* Bleeker, 1851. Type by monotypy. Gender: Masculine.

Remarks: Genus revised by Desoutter (1977) as *Hemipimelodus*. Kailola (2004) apparently acted as first reviser in giving precedence to *Cephalocassis* over *Hemipimelodus*, inasmuch as no previous synonymy of the two generic names has been found.

Key: Desoutter (1977, as *Hemipimelodus*).

Cephalocassis borneensis (Bleeker, 1851)

Pimelodus borneënsis Bleeker, 1851e: 430. Type locality: Sambas, in fluviis. Holotype (110 mm TL): RMNH 6906; dorsal view of head illustrated in Desoutter (1977: 23, fig. 5).

Hemipimelodus macrocephalus Bleeker, 1858b: 239. Type locality: Borneo (Bandjarmasin), in fluviis. Syntypes (3: 125–140 mm TL): BMNH 1863.12.4.116 (1, 109 mm SL, 124 mm TL), RMNH 27618 (1). One syntype illustrated in Bleeker (1862–63: pl. 82 [= Silur. pl. 34], fig. 2).

Hemipimelodus siamensis Sauvage, 1878: 234. Type locality: Laos. Holotype: MNHN 0000-9649.

Distribution: Mekong and Chao Phraya River basins, and Sundaland (Kottelat, 2001b).

Remarks: BMNH 1863.12.4.70 (143 mm ST, ~170 mm TL), listed as type of *Pimelodus borneensis*, is too large to be the type.

Cephalocassis jatia (Hamilton, 1822)

Pimelodus jatius Hamilton, 1822: 171, 376. Type locality: estuaries of Bengal. No types known.

Distribution: Rivers and estuaries of South Asia, extending well above tidal range (Jayaram, 1982); Myanmar.

Cephalocassis manillensis (Valenciennes, 1840)

Pimelodus Manillensis Valenciennes, in Cuvier & Valenciennes, 1840b: 192 (142 in Strasbourg deluxe edition). Type locality: Manille. Holotype: MNHN 0000-1209; dorsal view of head illustrated in Desoutter (1977: 16, fig. 3).

Distribution: Philippines.

Remarks: Inclusion in *Cephalocassis* is tentative, based on the treatment in Desoutter (1977) as a valid species of *Hemipimelodus*, and the uncertain status of the species in Kailola (2004).

Cephalocassis melanochir (Bleeker, 1852)

Arius melanochir Bleeker, 1852d: 590. Type locality: Palembang, in fluviis. Holotype (302 mm TL): RMNH 6892.

? *Arius doriae* Vinciguerra, 1881: 174, unnumbered fig. Type locality: Sarawak state, Borneo, East Malaysia. Syntypes: MSNG 8135 (2), RMNH 10889 (1).

Distribution: Sumatra and Borneo.

Remarks: Synonymy based on Kailola (2004).

Species inquirenda, Cephalocassis

Hemipimelodus intermedius Vinciguerra, 1881: 178, unnumbered figure. Type locality: [Sarawak, Borneo]. Syntypes: MSNG 14529 (2). Treated as valid in *Hemipimelodus* (a synonym of *Cephalocassis* herein) by Desoutter (1977) but as a possible synonym of *Cephalocassis borneensis* by Kailola (2004).

CINETODUS Ogilby, 1898

Cinetodus Ogilby, 1898a: 32. Type species: *Arius froggatti* Ramsay & Ogilby, 1886. Type by original designation. Gender: Masculine.

Pachyuula Ogilby, 1898a: 33. Type species: *Hemipimelodus crassilabris* Ramsay & Ogilby, 1886. Type by original designation. Gender: Feminine.

Tetranesodon Weber, 1913: 545. Type species: *Tetranesodon conorhynchus* Weber, 1913. Type by monotypy. Gender: Masculine.

Septobranchus Hardenberg, 1941: 223. Type species: *Septobranchus johanna*e Hardenberg, 1941. Type by monotypy. Gender: Masculine.

Cinetodus carinatus (Weber, 1913)

Arius (Hemiaris) carinatus Weber, 1913: 537, figs. 13–14. Type locality: Lorentz-Fluss; bei Van Weelskamp; Van der Sande-Fluss, Nebenfluss des Lorentz-Flusses [New Guinea]. Syntypes: AMNH 9265 (2), ZMA 109295 (1), ZMA 111109 (18), ZMA 111110 (1), ZMA 111111 (1), ZMA 111112 (1).

Distribution: Southern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

Cinetodus conorhynchus (Weber, 1913)

Tetranesodon conorhynchus Weber, 1913: 546, fig. 24. Type locality: Lorentz-Fluss, v. Weelskamp [New Guinea]. Holotype: ZMA 111084.

Distribution: Southern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

Cinetodus crassilabris (Ramsay & Ogilby, 1886)

Hemipimelodus crassilabris Ramsay & Ogilby, 1886: 18. Type locality: Strickland River, New Guinea. Holotype: AMS B.9961; dorsal view of head illustrated in Desoutter (1977: 18, fig. 4).

Distribution: New Guinea (Allen, 1991).

Cinetodus froggatti (Ramsay & Ogilby, 1886)

Arius froggatti Ramsay & Ogilby, 1886: 14. Type locality: Strickland River, New Guinea. Holotype: AMS B.9936.

*Septobranchus johanna*e Hardenberg, 1941: 223, fig. 3. Type locality: Merauke, South New Guinea [Papua, Indonesia]. Holotype (about 30 cm): Whereabouts unknown.

Distribution: Southern New Guinea and Roper River system, Northern Australia; in coastal waters, estuaries, and into fresh water (Kailola, in Allen, 1989).

COCHLEFELIS Whitley, 1941

Cochlefelis Whitley, 1941b: 8. Type species: *Arius spatula* Ramsay & Ogilby, 1886. Type by original designation. Gender: Feminine.

Remarks: Elevated from a subgenus of *Arius* by Kailola (2004).

Cochlefelis burmanica (Day, 1870)

Arius burmanicus Day, 1870c: 618. Type locality: Irrawaddi, Bassein district, and Salwein in the Tenasserim provinces, Burma. Possible syntypes: AMS B.7520 (1), BMNH 1870.6.14.43–44 (2), RMNH 8787 (1), ZMB 2754 (1), ZSI A.568 (8), ZSI B.292 (1, lost), ZSI 456 (1); ZSI 456 illustrated in Day (1875–78: pl. 105) (Jayaram, 1982).

Distribution: Myanmar (Jayaram, 1982).

Remarks: Placement in *Cochlefelis* first proposed in Kailola (2004).

Cochlefelis danielsi (Regan, 1908)

Arius (Hemiaris) danielsi Regan, 1908c: 154. Type locality: Fly River, British New Guinea. Holotype: BMNH 1905.8.15.21.

Distribution: Southern New Guinea, in river deltas and mangroves (Kailola, 1999).

Cochlefelis spatula (Ramsay & Ogilby, 1886)

Arius spatula Ramsay & Ogilby, 1886: 15. Type locality: Strickland River, New Guinea. Holotype: AMS B.9937.
Distribution: Southern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

CRYPTARIUS Kailola, 2004

Cryptarius Kailola, 2004: 134. Type species: *Arius truncatus* Valenciennes, 1840. Type by original designation.
Gender: Masculine.

Cryptarius daugueti (Chevey, 1932)

Hemipimelodus Daugueti Chevey, 1932: 41, pl. 13. Type locality: Phnompenh et Snotrou, au seuil du Grand Lac.
Type(s): at Inst. Océanogr. Indochine, Nhatrang, Viet Nam.
Distribution: Large Rivers of South East Asia.
Remarks: Kailola (2004: 135) tentatively assigned this species to *Cryptarius*.

Cryptarius truncatus (Valenciennes, 1840)

Arius truncatus Valenciennes, in Cuvier & Valenciennes, 1840b: 64 (48 of Strasbourg deluxe edition). Type locality: Java. Holotype: MNHN b-0590.
Hemipimelodus cochlearis Fowler, 1935b: 101, fig. 25. Type locality: Paknam, Siam. Holotype: ANSP 60767.
Distribution: Western central Pacific; in estuaries and lower portions of rivers (Kailola, 1999); including Chao Phraya and Mekong (Rainboth, 1996).

GALEICHTHYS Valenciennes, 1840

Galeichthys Valenciennes in Cuvier & Valenciennes, 1840b: 28 (21 of Strasbourg deluxe edition). Type species: *Galeichthys feliceps* Valenciennes, 1840. Type by subsequent designation by Bleeker (1862–63). Gender: Masculine.

Galeichthys ater Castelnau, 1861

Galeichthys ater Castelnau, 1861: 62. Type locality: les mers du Cap [South Africa]. Syntypes (2, 55 cm long):
Whereabouts unknown.
Distribution: Cape of Good Hope, Southern Africa (Taylor, 1986).

Galeichthys feliceps Valenciennes, 1840

Galeichthys feliceps Valenciennes, in Cuvier & Valenciennes, 1840b: 29 (22 of Strasbourg deluxe edition), pl. 424.
Type locality: Aux environs du Cap [South Africa]. Syntypes: MNHN a-9361 (1, dry), MNHN a-9362 (1, dry), MNHN a-9363 (1, dry), MNHN a-9364 (1, dry), MNHN a-9365 (1, dry).
Bagrus capensis Smith, 1840, in Smith 1838–49: pl. 8. Type locality: Cape of Good Hope, South Africa. Possible holotype: BMNH 1857.6.13.147 (1, skin). Name available from plate caption.
Pimelodus Peronii Valenciennes, in Cuvier & Valenciennes, 1840b: 161 (100 of Strasbourg deluxe edition). Type locality: la mer des Indes. Holotype: MNHN 0000-1207.
Galeichthys ocellatus Gilchrist & Thompson, 1916: 60, figure on p. 61. Type locality: Zwartkops River, Algoa Bay [South Africa]. Holotype: at PEM.
Distribution: Widely distributed in southern Africa; in freshwater, estuaries, and coastal environments (Taylor, 1986).
Remarks: Kailola (1986b) treated *Pimelodus peronii* as a valid species in *Arius*, but synonymy herein follows Kailola (2004).

Galeichthys peruvianus Lütken, 1874

Galeichthys peruvianus Lütken, 1874b: 205. Type locality: Callao. Syntypes: ZMUC P 29628 (1), ZMUC P 29629 (1).
Distribution: Pacific coast of South America, from Ecuador to Peru (Marceniuk & Ferraris, 2003).

GENIDENS Castelnau, 1855

Genidens Castelnau, 1855: 33. Type species: *Bagrus genidens* Cuv. Val. [= *Pimelodus genidens* Cuvier, 1829]. Type by absolute tautonymy. Gender: Masculine.
Guiritinga Bleeker, 1858b: 62, 67. Type species: *Pimelodus commersonii* La Cepède, 1803. Type by monotypy.

Gender: Feminine.

Genidens barbatus (La Cepède, 1803)

Pimelodus barbatus La Cepède, 1803: 94, 102. Type locality: Amérique méridionale. No types known.

Pimelodus Commersonii La Cepède, 1803: 95, 103, pl. 3 (fig. 1). Type locality: [No locality stated]. No types known.

Bagrus barbatus Quoy & Gaimard, 1824: 230, pl. 49 (figs. 1–2). Type locality: Rio de la Plata, South America. Type(s): at MNHN.

Pimelodus versicolor Castelnau, 1855: 35, pl. 16 (fig. 3). Type locality: rio Araguay, dans la province de Goyaz (Brésil). Syntypes: MNHN 0000-1206 (2).

Tachysurus upsulonophorus Eigenmann & Eigenmann, 1889b: 31. Type locality: Rio Grande do Sul [Brazil]. Holotype: MCZ 23750.

Silurus 16-radiatus Larrañaga, 1923: 386. Type locality: Uruguay. No types known. Apparently an alternate name for *Silurus marinus* Larrañaga.

Silurus marinus Larrañaga, 1923: 376. Type locality: Uruguay. No types known. Apparently an alternate name for *Silurus 16-radiatus* Larrañaga. Preoccupied by *Silurus marinus* Mitchell, 1815.

Distribution: Atlantic coast of South America from the La Plata River to eastern Brazil (Marceniuk, 2005).

Remarks: Redescribed in Marceniuk (2005b).

Genidens genidens (Cuvier, 1829)

Pimelodus genidens Cuvier, 1829: 294. Type locality: Not stated. Syntypes: MNHN 0000-1213 (2), MNHN b-0678 (1). Species described in more detail, as *Bagrus genidens*, in Cuvier & Valenciennes (1840a: 453 (335 of Strasbourg deluxe edition), pl. 419), with locality given as Rio-Janéiro.

Genidens granulatus Castelnau, 1855: 34, pl. 16 (fig. 1). Type locality: la rivière d'Araguay, dans la province brésilienne de Goyaz. Holotype: MNHN 0000-1197.

Genidens cuvieri Castelnau, 1855: 34. Type locality: la Plata. Syntypes: MNHN 0000-1213 (2), MNHN b-0678 (1). Unneeded replacement name for "*Bagrus genidens* Cuv. Val." [= *Pimelodus genidens* Cuvier].

Genidens valenciennesii Bleeker, 1858b: 68. Type locality: Rio-Janéiro. Syntypes: MNHN 0000-1213 (2), MNHN b-0678 (1). Unneeded replacement name for "*Bagrus genidens* CV." [= *Pimelodus genidens* Cuvier].

Distribution: Atlantic draining rivers of southern South America (Marceniuk & Ferraris, 2003).

Genidens machadoi (Miranda Ribeiro, 1918)

Tachysurus machadoi Miranda Ribeiro, 1918b: 108. Type locality: Macaé, Rio de Janeiro, Brasil. Holotype: MNRJ 661.

Distribution: Atlantic coastal rivers of southern South America, from Rio de Janeiro to Argentina and, possibly, Chile (Marceniuk & Ferraris, 2003).

Remarks: Redescribed in Marceniuk (2005b). Possible inclusion of this species in the fauna of Chile is based on report by Sielfeld (1979).

Genidens planifrons (Higuchi, Reis & Araújo, 1982)

Netuma planifrons Higuchi, Reis & Araújo, 1982: 12, fig. 1. Type locality: Lagoa dos Patos, RS, Brazil. Holotype: MZUSP 14828.

Distribution: Laguna dos Patos drainage of Southern Brazil and nearby Atlantic Ocean (Marceniuk & Ferraris, 2003).

HEMIARIUS Bleeker, 1862

Hemiaris Bleeker, 1862 (in Bleeker, 1862–63): 7, 29. Type species: *Cephalocassis stormii* Bleeker, 1858. Type by original designation. Gender: Masculine.

Hemiaris dioctes (Kailola, 2000)

Arius dioctes Kailola, 2000: 128, figs. 1–2. Type locality: Norman River at Karumba (17°29'S, 140°50'E), Queensland, Australia. Holotype: CSIRO C.3798.

Distribution: Southern coast of New Guinea and rivers from Kamora River to Otokwa River, and eastward to Gulf of Papua rivers; northern coast and rivers of Australia from Adelaide to the Gulf of Carpentaria (Kailola, 2000).

Hemiaris insidiator (Kailola, 2000)

Arius insidiator Kailola, 2000: 131, figs. 3–4. Type locality: Mouth of Wildman River, (12°26'S, 132°09'E), Northern Territory, Australia. Holotype: NTM S.11189-001.

Distribution: Southern coast of New Guinea, along the Gulf of Papua, and northern coast of Australia, east of Darwin (Kailola, 2000).

Hemiarius sona (Hamilton, 1822)

Pimelodus sona Hamilton, 1822: 172, 376. Type locality: estuaries of Bengal. No types known. Unpublished Hamilton illustration reproduced in Hora (1929: pl. 19, fig. 7).

Distribution: South Asia and southern portion of Malay Peninsula; in coastal waters, estuaries, and lower portions of rivers (Jayaram, 1982); also Mekong River delta and possibly into Cambodia (Rainboth, 1996).

Hemiarius stormii (Bleeker, 1858)

Cephalocassis Stormii Bleeker, 1858b: 246. Type locality: Sumatra (Palembang), in flumine Mussi. Syntypes (2: 415–520 mm TL): possibly BMNH 1863.12.4.65 (1, 276 mm L, ~ 315 mm TL), but apparently too short. Illustrated in Bleeker (1862–63: pl. 100 [= Silur. pl. 52], as *Hemiarius Stormi*).

Distribution: Rivers of Sumatra and Borneo (Ng, 2003e).

Hemiarius verrucosus (Ng, 2003)

Arius verrucosus Ng, 2003e: 3, fig. 1. Type locality: Laos, Champasak, Mekong River at Ban Hang Khone, just downstream from Khone Falls. Holotype: UMMZ 235408.

Distribution: Middle and lower Mekong River basin (Ng, 2003e).

Species inquirenda, Hemiarius

Hexanematichthys leptocassis Bleeker, 1861: 65. Type locality: Pinang. No types known (see Bleeker, 1862–63: 30, for details).

HEXANEMATICTHYS Bleeker, 1858

Hexanematichthys Bleeker, 1858b: 61, 126. Type species: *Bagrus sondaicus* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

Hexanematichthys mastersi (Ogilby, 1898)

Arius mastersi Ogilby, 1898a: 34. Type locality: Port Darwin, Northern Australia. Holotype: AMS I.25690-001.

Arius sagoroides Hardenberg, 1941: 221, fig. 2. Type locality: Merauke, ... mouth of the Oetakwa River, New Guinea [Papua, Indonesia]. Syntypes (3, 24–32 cm): Whereabouts unknown.

Tachysurus (Pararius) godfreyi Whitley, 1941b: 11, fig. 8 (nos. 3–4). Type locality: Port Darwin, Northern Territory, Australia. Holotype: AMS I.5270.

Distribution: Sahul Shelf (Kailola, 2004).

Hexanematichthys sagor (Hamilton, 1822)

Pimelodus sagor Hamilton, 1822: 169, 376. Type locality: estuaries of Bengal. No types known.

Bagrus doroides Valenciennes, in Cuvier & Valenciennes, 1840a: 448 (331 of Strasbourg deluxe edition), pl. 418. Type locality: Pondichéry ... Bengale. Syntypes: MNHN a-8668 (1), MNHN a-9349 (1).

Bagrus Javensis Valenciennes, in Cuvier & Valenciennes, 1840a: 445 (330 of Strasbourg deluxe edition). Type locality: Java. Holotype (6 pouces): Whereabouts unknown.

Bagrus sondaicus Valenciennes, in Cuvier & Valenciennes, 1840a: 444 (329 of Strasbourg deluxe edition). Type locality: dans le détroit de Sonde. Holotype: MNHN b-0604.

Hexanematichthys sondaicus Bleeker, 1858c: 2. Type locality: Strait of Sonde. Holotype: MNHN b-0604. Unjustified emendation of *Bagrus sondaicus* Valenciennes, 1840.

Distribution: Sunda shelf (Kailola, 2004); also Pakistan and west coast of India (Jayaram, 1982).

KETENGUS Bleeker, 1847

Ketengus Bleeker, 1847a:167. Type species: *Ketengus typus* Bleeker, 1847. Type by original designation. Gender: Masculine.

Ketengus typus Bleeker, 1847

Ketengus typus Bleeker, 1847b: 9. Type locality: Banjermassing, in fluviis. Syntype: BMNH 1863.12.4.112 (1, 191 mm SL).

Pimelodus pectinidens Cantor, 1849: 1243. Type locality: Pinang. Holotype (4 2/8 inches): BMNH 1860.3.19.499, one-half skin only.

Distribution: Eastern Bay of Bengal and Malay Peninsula; in nearshore coastal waters, estuaries, and lower reaches of rivers (Kailola, 1999).

Remarks: Redescribed in Jayaram (1972b).

NEDYSTOMA Ogilby, 1898

Nedystoma Ogilby, 1898a: 32. *Hemipimelodus dayi* Ramsay & Ogilby, 1886. Type by original designation. Gender: Neuter.

Doiichthys Weber, 1913: 532. Type species: *Doiichthys novaeguineae* Weber, 1913. Type by monotypy. Gender: Masculine.

Remarks: Kailola (2004) considered *Doiichthys novaeguineae* to be the sister group to *Nedystoma dayi* and, on that basis, placed the two formerly-monotypic genera into synonymy.

Nedystoma dayi (Ramsay & Ogilby, 1886)

Hemipimelodus dayi Ramsay & Ogilby, 1886: 16. Type locality: Strickland River, New Guinea. Holotype: AMS B.9938.

Distribution: Southern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

Nedystoma novaeguineae (Weber, 1913)

Doiichthys novae-guineae Weber, 1913: 534, fig. 12. Type locality: "Varen"-Fluss, einem Nebenfluss des Lorentz-Flusses [New Guinea]. Syntypes: AMNH 9482 (1), ZMA 104122 (5).

Distribution: Southern New Guinea, in estuaries and lower reaches of rivers (Kailola, 1999).

NEMAPTERYX Ogilby, 1908

Nemapteryx Ogilby, 1908: 3, 10. Type species: *Arius stirlingi* Ogilby, 1898. Type by original designation. Gender: Feminine.

Nemapteryx armiger (De Vis, 1884)

Arius armiger De Vis, 1884: 454. Type locality: New Britain [in error]. Syntypes: QM I.3088 (1), QM I.3039 (1).

Arius stirlingi Ogilby, 1898b: 281. Type locality: Estuary of the Adelaide River, Northern Territory [Australia]. Holotype: SAMA F1095.

Distribution: Southern New Guinea and northern Australia; in coastal waters, estuaries, and lower reaches of rivers (Kailola, 1999).

Remarks: See Kailola (1983, 2004) for synonymy.

Nemapteryx augusta (Roberts, 1978)

Arius augustus Roberts, 1978: 36, figs. 14, 20d. Type locality: Mouth of Binge River, a large strongly flowing tributary of the Middle Fly, 675 km upriver from Toro Pass, 6°32.5'S, 140°55.0'E; Fly River, Papua New Guinea. Holotype: AMS I.27090-001.

Distribution: Middle reaches of the Fly River (Roberts, 1978).

? *Nemapteryx bleekeri* (Popta, 1900)

Arius bleekeri Popta, 1900: 71. Type locality: Malay Archipelago. Syntypes: RMNH 6825 (4).

Distribution: Malay Archipelago.

Remarks: Validity and placement in *Nemapteryx* considered tentative by Kailola (2004).

Nemapteryx caelata (Valenciennes, 1840)

Arius caelatus Valenciennes, in Cuvier & Valenciennes, 1840b: 66 (49 of Strasbourg deluxe edition). Type locality: Batavia ... Bombay. Syntypes: MNHN b-0589 (1), MNHN b-0614 (2).

Distribution: Widely distributed from Pakistan to Borneo (Jayaram, 1982).

Remarks: Generally treated as valid, but Kailola (1999: 1859; 2004: 139) indicated that it might, instead, be a synonym of *Nemapteryx nenga* (Hamilton, 1822).

Nemapteryx macronotacantha (Bleeker, 1846)

Arius macronotacanthus Bleeker, 1846a: 159. Type locality: Batavia. Holotype (size not stated): possibly RMNH 6901 (but see BMNH 1863.12.4.59). [See also Bleeker, 1847c.]

? *Arius parvipinnis* Day, 1877 (in Day, 1875–78): 460, pl. 113 (fig. 1). Coromandel coast of India. Syntypes: Whereabouts unknown.

Distribution: Bay of Bengal and western central Pacific; in coastal waters and estuaries (Kailola, 1999).

Nemapteryx nenga (Hamilton, 1822)

Pimelodus nenga Hamilton, 1822: 171, 376. Type locality: estuaries of Bengal. No types known.

Distribution: Eastern Arabian Sea, Bay of Bengal, and western central Pacific; in nearshore turbid waters and lower reaches of rivers (Kailola, 1999).

NEOARIUS Castelnau, 1878a

Neoarius Castelnau, 1878a: 237. Type species: *Arius curtisii* Castelnau, 1878. Type by monotypy. Gender: Masculine.

Remarks: Treated as a synonym of *Ariopsis* in Kailola (2004); treated herein as valid for the Australia–New Guinea species of Kailola's *Ariopsis*.

Neoarius berneyi (Whitley, 1941)

Tachysurus (Pararius) berneyi Whitley, 1941b: 9, fig. 8 (no. 5). Type locality: pools of the Flinders River, near Hughenden and Richmond, Queensland (freshwater), Australia. Holotype: AMS I.13076.

Arius cleptolepis Roberts, 1978: 37, figs. 15, 20e. Type locality: Elevala River, a major lowland tributary of the Upper Fly, 17 km E of Kiunga, 859 km upriver from Toro Pass, 6°05.7'S, 141°27.7'E; Fly River, Papua New Guinea. Holotype: AMS I.27092-001.

Distribution: Northern Australia and central-southern New Guinea (Kailola, in Allen, 1989).

Neoarius coatesi (Kailola, 1990)

Arius coatesi Kailola, 1990: 18, figs. 5. Type locality: Market at Angoram, Sepik River, Papua New Guinea. Holotype: AMS I.25405-001.

Distribution: Sepik River basin, Papua New Guinea (Kailola, 1990).

Neoarius graeffei (Kner & Steindachner, 1867)

Arius Graeffei Kner & Steindachner, 1867: 383, pl. 4 (fig. 12). Type locality: Samoa-Inseln [in error]. Holotype: NMW 67152.

Arius australis Günther, 1867d: 103, figure on p. 103. Type locality: Hunter River, New South Wales, near Ash Island [Australia]. Syntypes: BMNH 1866.2.13.4 (1), BMNH 1866.6.19.7–8 (2).

Arius curtisii Castelnau, 1878a: 236. Type locality: Moreton Bay, Australia. Syntypes (several, to 15 inches): MNHN b-0693 (1).

Distribution: Southern New Guinea and northern Australia, in rivers and along coast (Kailola, 1999).

Remarks: Synonymy follows Kailola (1983 and 2004).

Neoarius latirostris (Macleay, 1883)

Arius latirostris Macleay, 1883: 277, unnumbered figure. Type locality: Goldie River, New Guinea. Syntypes: AMS I.9072 (1), AMS I.9073 (1), AMS I.9074 (1), AMS I.9127 (1), AMS I.13398 (1).

Arius acrocephalus Weber, 1913: 543, figs. 20–21. Type locality: Van der Sande-Fluss (Bibis-Fluss), ein Nebenfluss des Lorentz-Flusses; Lorentz-Fluss bei Regen-Insel; Lorentz-Fluss bei Alkmaar [New Guinea]. Syntypes: AMNH 9514 (1), ZMA 111087 (1), ZMA 111088 (2), ZMA 111089 (1), ZMA 111090 (1).

Arius digulensis Hardenberg, 1936b: 369. Type locality: Middle course of Digulriver [southern New Guinea]. Holotype: ZMA 110781.

Distribution: Southern Papua (formerly Irian Jaya) (Allen, 1996), Goldie River, Papua New Guinea.

Neoarius leptaspis (Bleeker, 1862)

Hexanematichthys leptaspis Bleeker, 1862 (in Bleeker, 1862–63): 27, pl. 65. Type locality: Nova Guinea austro-occidentalis. Holotype: RMNH 3060.

Distribution: Southern New Guinea and northern Australia, in coastal waters and rivers (Kailola, 1999).

Neoarius midgleyi (Kailola & Pierce, 1988)

Arius midgleyi Kailola & Pierce, 1988: 75, figs. 1–2, 5–6. Type locality: Wickham Gorge, Victoria River, Northern

Territory, Australia. Holotype: AMS I.20858-006.

Distribution: Victoria, Katherine, Daly, Ord, remaining Kimberley and northern River systems, Northern Australia (Kailola, 2000).

Neoarius paucus (Kailola, 2000)

Arius paucus Kailola, 2000: 141. Type locality: Flinders River near Maxwellton (20°47'S, 142°43'E), Queensland, Australia. Holotype: QM I.12910.

Distribution: Roper and Flinders River systems, and other rivers draining into Gulf of Carpentaria, Australia (Kailola, 2000).

Neoarius pectoralis (Kailola, 2000)

Arius pectoralis Kailola, 2000: 133, figs. 5–6. Type locality: Chapman River, Queensland, 14°56'S, 141°38'E, Australia. Holotype: AMS I.27415-001.

Distribution: Southern coast of New Guinea and into estuaries and tidal rivers, and northern Australia from Darwin to the Chapman River, Queensland (Kailola, 2000).

Neoarius taylori (Roberts, 1978)

Hemipimelodus taylori Roberts, 1978: 40, figs. 19, 20h. Type locality: Mainstream of Plamer and lower end of small tributary about 1 km up the Palmer from Thompson Junction (mouth of Wai Mungi), 6°46'48"S, 141°36'36"E; Fly River, Papua New Guinea. Holotype: AMS I.27087-001. Previously considered preoccupied in *Arius* by *Arius taylori* Hildebrand, 1925; replaced by *Arius robertsi* Kailola, 1990 [see Remarks].

Arius robertsi Kailola, 1990: 24. Type locality: Mainstream of Plamer and lower end of small tributary about 1 km up the Palmer from Thompson Junction (mouth of Wai Mungi), 6°46'48"S, 141°36'36"E; Fly River, Papua New Guinea. Holotype: AMS I.27087-001. Replacement for *Hemipimelodus taylori* Roberts, 1978, when preoccupied in *Arius* by *Arius taylori* Hildebrand, 1925..

Distribution: Fly River, Papua New Guinea (Roberts, 1978).

Remarks: *Arius robertsi* Kailola, 1990, was proposed as a replacement for *Hemipimelodus taylori* Roberts, 1978, which was then considered to be preoccupied in *Arius* by *Arius taylori* Hildebrand, 1925. Kailola (2004) subsequently placed *A. taylori* Hildebrand in *Cathorops*, as a junior synonym of *C. steindachneri* (Gilbert & Starks), and *H. taylori* Roberts in *Ariopsis*, as a synonym of *Ariopsis robertsi* Kailola. In adopting the interpretation of Kailola (2004), *Hemipimelodus taylori* Roberts is no longer treated as congeneric with *Arius taylori* and, following Art. 59.4 of the Code (ICZN, 1999) *H. taylori* must be reinstated as valid, with *Arius robertsi* as an objective junior synonym.

Neoarius utarus (Kailola, 1990)

Arius utarus Kailola, 1990: 12, figs. 4. Type locality: Murik Lakes, New Guinea. Holotype: AMS I.25406-001.

Distribution: Northern New Guinea; in freshwater and estuaries (Kailola, 1990).

Neoarius velutinus (Weber, 1907)

Hemipimelodus velutinus Weber, 1907: 225. Type locality: Sentani-see, Nord-Neu-Guinea; Mündung des Tami, Nord-Neu-Guinea; Fluss Tawarin, Nord-Neu-Guinea. Syntypes (31): AMNH 9478 (1), FMNH 52392 (1), NMW 8222 (1), NMW 8223 (1), RMNH 8001 (1), ZMA 112654 (3), ZMA 112655 (6), ZMA 112656 (12).

Hemipimelodus papillifer Herre, 1935: 390. Type locality: Timbunke, a village on the Sepik River, about 120 miles from the sea, New Guinea. Holotype: FMNH 17211.

Distribution: Northern Papua (formerly Irian Jaya) (Allen, 1996) and Sepik River basin.

NETUMA Bleeker, 1858

Netuma Bleeker, 1858b: 62, 93. Type species: *Bagrus netuma* Valenciennes, 1840. Type by absolute tautonymy. Gender: Feminine.

Pararius Whitley, 1940b: 409. Type species: *Arius proximus* Ogilby, 1898. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Tachysurus*.

Remarks: The names *Catastoma* (in Cuvier & Valenciennes, 1840b: 60), and *Sarcogenys* (in Bleeker, 1858b: 96), were not published in a manner that made them available for purposes of zoological nomenclature and are therefore not listed above as available names; Kailola (2004) considered both to refer to alternate names for *Netuma* Bleeker.

Netuma bilineata (Valenciennes, 1840)

Bagrus bilineatus Valenciennes, in Cuvier & Valenciennes, 1840a: 434 (322 of Strasbourg deluxe edition). Type locality: Pondichéry ... Rangoon. Syntype: MNHN a-9344 (1, mounted).

Bagrus rhodonotus Bleeker, 1846a: 157. Type locality: Batavia. Syntypes (size and number not stated): RMNH 15865 (5), SMNS 10568 (1). [See also Bleeker, 1847c.]

Netuma osakae Jordan & Kasawa, in Jordan & Hubbs, 1925: 157, pl. 9 (fig. 1). Type locality: Fish market, Osaka, Japan. Holotype: FMNH 59388.

Arius dayi Dmitrenko, 1974: 39, figs. 1–2. Type locality: Masir Strait, Gulf of Oman, 19°47.8'N, 58°28.3'E. Holotype: Zool. Mus. Ukrainian Acad. Kiev Pi 2/1–2.

Distribution: Arabian Sea, Bay of Bengal, Western Central Pacific and northern coast of Australia; from estuaries out to continental shelf (Kailola, 1999).

Remarks: See Kailola (1986a) for discussion of validity of this species. See Wang *et al.* (2005b) for comments on the distribution of this species.

Netuma proxima (Ogilby, 1898)

Arius proximus Ogilby, 1898b: 280. Type locality: Port Darwin, Northern Australia. Holotype: AMS I.25691-001.

Arius arafurensis Hardenberg, 1948: 409, fig. on p. 409. Type locality: Fish market of Dobo (Aru Islands), Indo-Australian Archipelago. Holotype (about 320 mm SL): Whereabouts unknown.

Distribution: Southern New Guinea, northern Australia and Aru Islands; in nearshore coastal waters and estuaries (Kailola, 1999).

Netuma thalassina (Rüppell, 1837)

Bagrus thalassinus Rüppell, 1837, in Rüppell, 1835–38: 75, pl. 20 (fig. 2). Type locality: Massawa, Eritrea, Red Sea. Syntypes SMF 544 (1), SMF 5414 (1, dry), SMF 2627 (1, dry), SMF 5740 (1, skeleton).

Bagrus laevigatus Valenciennes, in Cuvier & Valenciennes, 1840a: 439 (325 of Strasbourg deluxe edition). Type locality: la Mer Rouge. Holotype: MNHN b-0710.

Arius nasutus Valenciennes, in Cuvier & Valenciennes, 1840b: 60 (45 of Strasbourg deluxe edition). Type locality: Java ... Malabar ... la Mer Rouge. Syntypes: MNHN a-9407 (1), MNHN a-9408 (1, dry), MNHN a-9409 (1, dry), RMNH D2390 (1).

Bagrus netuma Valenciennes, in Cuvier & Valenciennes, 1840a: 438 (324 of Strasbourg deluxe edition), pl. 417. Type locality: Pondichéry. Syntype: MNHN a-9345 (1).

Bagrus carchariorhynchus Bleeker, 1846b: 291. Type locality: Batavia, Java. Holotype: RMNH 6885.

Arius serratus Day, 1877 (in Day, 1875–78): 462, pl. 105 (fig. 3). Type locality: Sind [Pakistan]. Holotype: ZSI 467.

Ariodes aeneus Sauvage, 1883c: 160. Type locality: Ile Rafflès. Syntypes: MNHN a-5155 (2).

Netuma thalassina jacksonensis Whitley, 1941b: 12, fig. 8 (nos. 1–2). Type locality: Port Jackson, New South Wales [Australia]. Holotype: AMS I.10095.

Distribution: Widely distributed through Red Sea, Indian Ocean and western central Pacific; in coastal waters out to continental shelf margin.

Remarks: See Kailola (1986a) and Wang (2005b) for discussion of validity. See Jayaram & Dhanze (1978: 203) and Kailola (1999: 1842, 1865) for comments on status of *Arius serratus*.

Species inquirenda, Netuma

Galeichthys stanneus Richardson, 1846: 284. Type locality: Canton, China. No types known. Appeared as ? *Galeichthys stanneus*. Based solely on illustration by Reeves which was reproduced in Whitehead (1970: 210, pl. 20a).

NOTARIUS Gill, 1863

Notarius Gill, 1863: 171. Type species: *Arius grandicassis* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

Remarks: The limits of *Notarius* are not clearly diagnosed. Kailola (2004) included some of the species listed here in *Aspistor*.

Notarius biffi Betancur & Acero, 2004

Notarius biffi Betancur & Acero, 2004: 3, figs. 1–3. Type locality: Bahía La Unión, El Salvador (SV) (13°20'42"N, 87°49'07"W). Holotype: STRI 6674.

Distribution: Tropical Eastern Pacific from Costa Rica to El Salvador (Betancur & Acero, 2004).

Notarius cookei (Acero & Betancur, 2002)

Arius cookei Acero & Betancur, 2002a: 134, fig. 1. Type locality: 7 km from the mouth of Rio Santa Maria, Paris, Herrera, Panama (8°9'N, 80°33'W). Holotype: INVEMAR-PEC 3752.

Distribution: Pacific coastal rivers and estuaries of Central and South America, from Costa Rica to Colombia (Acero & Betancur, 2002).

Notarius grandicassis (Valenciennes, 1840)

Arius grandicassis Valenciennes, in Cuvier & Valenciennes, 1840b: 54 (41 of Strasbourg deluxe edition), pl. 427. Type locality: la Guyane. Holotype: MNHN a-4608.

Arius parmocassis Valenciennes, in Cuvier & Valenciennes, 1840b: 57 (43 of Strasbourg deluxe edition). Type locality: Bahia. Syntypes: MHNG (several), MNHN a-8966.

Arius stricticassis Valenciennes, in Cuvier & Valenciennes, 1840b: 58 (44 of Strasbourg deluxe edition). Type locality: Cayenne. Syntypes: MNHN a-9406 (1), RMNH 3034 (1).

Arius vandeli Puyo, 1936: 123, fig. 21g. Type locality: [French Guiana]. Holotype: MNHN 1936-0160.

Distribution: Rivers and estuaries of northern South America from Gulf of Venezuela to the mouth of the Amazon River (Marceniuk & Ferraris, 2003).

Notarius insculptus (Jordan & Gilbert, 1882)

Arius elatturus Jordan & Gilbert, 1882: 45. Type locality: Panama. Syntypes (3): USNM 29408 (1, missing), USNM 30995 (1 of 2).

Arius insculptus Jordan & Gilbert, 1882: 41. Type locality: Panama. Syntypes: USNM 29415 (1), USNM 30977 (2). Betancur & Acero (2004) referred to USNM 29415 as a lectotype, but no previous lectotype designation has been found, and indications of a lectotype in that publication do not meet the requirements of the Code for lectotype designation. Because no previously published lectotype designation was found, the specimens listed here are considered as syntypes.

Netuma insularum Greene, in Gilbert, 1897: 439. Type locality: Galapagos Archipelago [later corrected to: Gulf of Panama]. Holotype: USNM 47577.

Distribution: Pacific coast of Central America, from Costa Rica to Panama (Marceniuk & Ferraris, 2003).

Remarks: Jordan & Gilbert (1882) were reported to have designated a holotype for *Arius elatturus* by Ferraris & Vari (1992), Eschmeyer *et al.* (1998), Marceniuk & Ferraris (2003). However, a closer reading of the paper shows that the specimen subsequently cited as holotype (USNM 29408) was the basis for the species description but otherwise not explicitly designated as the type. Therefore, it must instead be considered to be a syntype as one of three “specimens at the United States National Museum” representing the new species. Betancur & Acero (2004: 7) appear to have acted as first reviser in treating *Arius insculptus* as a valid species in *Notarius*, with *Arius elatturus* as a synonym.

Notarius kessleri (Steindachner, 1876)

Arius Kessleri Steindachner, 1876: 574, pl. 5. Type locality: Panama, Altata. Syntypes: MCZ 4944 (6), NMW 48112 (1), NMW 48247 (1), NMW 48248 (1), NMW 48249 (2).

Distribution: Eastern tropical Pacific Ocean (Marceniuk & Ferraris, 2003).

Notarius neogranatensis (Acero & Betancur, 2002)

Arius neogranatensis Acero & Betancur, 2002b: 7, fig. 1. Type locality: mouth of Río Tinajones medio, San Antero, Córdoba, Colombia (9 25'N 75 48'W). Holotype: INVEMAR-PEC 3754.

Distribution: Caribbean coast of Colombia and nearby rivers mouths (Acero & Betancur, 2002).

Notarius osculus (Jordan & Gilbert, 1882)

Arius osculus Jordan & Gilbert, 1882: 46. Type locality: Panama. Holotype: USNM 29476.

Distribution: Pacific coast of Central America, from Costa Rica and Panama (Marceniuk & Ferraris, 2003).

Remarks: Placed by Kailola & Bussing (1995: 871) tentatively in *Arius*.

Notarius planiceps (Steindachner, 1876)

Arius planiceps Steindachner, 1876: 576, pl. 4. Type locality: Panama, Altata. Syntypes: NMW 48194 (1), NMW

48195 (1), NMW 48196 (1), NMW 48197 (1), NMW 48198 (1), NMW 48199 (2), ZMUC P 29627 (1).

Distribution: Pacific Ocean draining rivers and estuaries of North and Central America from Mexico to Panama (Marceniuk & Ferraris, 2003).

OSTEOGENEIOSUS Bleeker, 1846

Osteogeneiosus Bleeker, 1846a:173. Type species: *Arius militaris* Valenciennes, 1840 (= *Silurus militaris* Linnaeus, 1758). Type by subsequent designation, by Bleeker (1862–63: 8). Gender: Masculine.

Osteogeneiosus militaris (Linnaeus, 1758)

Silurus militaris Linnaeus, 1758: 305. Type locality: Asia. No types known.

? *Osteogeneiosus Blochii* Bleeker, 1846a: 175. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown [See also Bleeker, 1847: 50.]

? *Osteogeneiosus gracilis* Bleeker, 1846a: 175. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown [See also Bleeker, 1847:50.]

? *Osteogeneiosus ingluvies* Bleeker, 1846a: 174. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown [See also Bleeker, 1847: 50.]

? *Osteogeneiosus longiceps* Bleeker, 1846a: 174. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown [See also Bleeker, 1847: 50.]

? *Osteogeneiosus macrocephalus* Bleeker, 1846a: 173. Type locality: Batavia. Syntypes (size and number not stated): possibly BMNH 1863.12.4.51 (1, 214 mm SL, 252 mm TL), NMV 45847 (1).

? *Osteogeneiosus valenciennesi* Bleeker, 1846a: 175. Type locality: Batavia. Syntypes (size and number not stated): possibly BMNH 1863.12.4.53 (1245 mm SL, 289 mm TL), NMV 46593 (1), NMV 46594 (1).

? *Osteogeneiosus Cantoris* Bleeker, 1854c: 120, pl. 2 (fig. 4). Type locality: Calcutta, in flumine Hooghly. Syntype (2, 199 – 225 mm): RMNH 6907 (1).

? *Osteogeneiosus stenocephalus* Day, 1877 (in Day, 1875–78): 469, pl. 108 (fig. 3). Type locality: Moulmein [Burma]. Holotype: ZSI 1263. Name spelled *Osteogeneiosus stenocephalus* on plate caption; first reviser not yet found.

Distribution: Bay of Bengal and western central Pacific, in inshore waters, river mouths, and coastal lake systems (Kailola, 1999); also Pakistan and west coast of India (Jayaram, 1982).

Remarks: At present, there is only one recognized valid species in *Osteogeneiosus*. On that basis, all of the other names are tentatively placed here as synonyms of *O. militaris*.

PLICOFOLLIS Kailola, 2004

Plicofollis Kailola, 2004: 141. Type species: *Arius argyropleuron* Valenciennes, 1840. Type by original designation. Gender: Masculine.

Plicofollis argyropleuron (Valenciennes, 1840)

Arius argyropleuron Valenciennes, in Cuvier & Valenciennes, 1840b: 104 (78 of Strasbourg deluxe edition). Type locality: Java. Holotype: RMNH 3041.

Arius acutus Bleeker, 1846a: 167. Type locality: Batavia. Syntypes (size and number not stated): possibly BMNH 1863.12.4.67 (1), RMNH 15975 (2), SMNS 10566 (4).

Arius Hamiltonis Bleeker, 1846b: 291. Type locality: [Batavia]. Syntypes (size and number not stated): RMNH 6895 (at least part of series).

Arius macrocephalus Bleeker, 1846a: 167. Type locality: Batavia. Syntypes (size and number not stated): BMNH 1863.12.4.78 (1), RMNH 6896 (1). One syntype illustrated in Bleeker (1862–63: 39, pl. 58 [Silur. pl. 10]), as *Ariodes macrocephalus*.

Arius layardi Günther, 1866: 474, pl. 15. Type locality: Ceylon. Holotype: BMNH 1866.7.13.13.

Tachysurus broadbenti Ogilby, 1908: 8. Type locality: Cape York, Queensland, Australia. Syntypes (3): QM I.9745 (1), QM I.9746 (1).

Hemipimelodus colcloughi Ogilby, 1910: 7. Type locality: Croker Island, N.T., Australia. Holotype: QM I.1538.

Distribution: Bay of Bengal, western Pacific Ocean, southern coast of New Guinea and northern coast of Australia; in coastal waters and in lower portions of estuaries (Kailola, 1999).

Remarks: Synonymy from Kailola (1999).

Plicofollis dussumieri (Valenciennes, 1840)

Arius Dussumieri Valenciennes, in Cuvier & Valenciennes, 1840b: 84 (63 of Strasbourg deluxe edition). Type locality: la côte de Malabar. Holotype: MNHN a-9401.

Arius kirkii Günther, 1864: 163, unnumbered figure. Type locality: Shupanga, Zambezi [River]. Holotype: BMNH 1864.1.9.54 (skin).

Arius goniaspis Bleeker, 1858a: 44. Type locality: Priaman [Sumatra, Indonesia]. Syntypes (2): BMNH 1863.12.4.159 (1, 71 mm SL, 84 mm TL).

Distribution: East coast of Africa, Madagascar, Arabian Sea, Bay of Bengal, and eastern Sumatra; possibly along eastern part of Malay peninsula; in coastal waters and estuaries (Taylor, 1986; Kailola, 1999).

Remarks: Register number of holotype of *Arius goniaspis* incorrectly reported as BMNH 1863.12.11.159 in Eschmeyer *et al.* (1998).

Plicofollis nella (Valenciennes, 1840)

Pimelodus nella Valenciennes, in Cuvier & Valenciennes, 1840b: 162 (121 of Strasbourg deluxe edition). Type locality: [Vizagapatam]. Holotype: not saved, based on Russell (1803: pl. 170). Originally as *Pimelodus ? nella*.

Arius leiotetocephalus Bleeker, 1846b: 292. Type locality: Batavia. Syntypes: RMNH 5277 (1), RMNH 16011 (5), SMNS 817 (2).

Bagrus (Ariodes) Meyenii Müller & Troschel, 1849: 9. Type locality: unbekannt. Holotype: ZMB 3002.

Distribution: Bay of Bengal, western central Pacific and northern coast of Australia.

Plicofollis platystomus (Day, 1877)

Arius platystomus Day, 1877 (in Day, 1875–78): 464, pl. 107 (fig. 3). Type locality: Canara [India]. Holotype: ZSI 1306.

Distribution: Kanara, Malabar and Konkan coasts, India, and Hoogly River mouth (Jayaram, 1982).

Plicofollis polystaphylodon (Bleeker, 1846)

Arius polystaphylodon Bleeker, 1846a: 172. Type locality: Batavia. Holotype or Syntype (size and number not stated): BMNH 1863.12.4.98 (1, 121 mm SL).

Distribution: Western central Pacific, eastward to northern New Guinea; in turbid coastal waters, and river mouths (Kailola, 1999).

Plicofollis tenuispinis (Day, 1877)

Arius tenuispinis Day, 1877 (in Day, 1875–78): 466, pl. 107 (fig. 5). Type locality: Bombay, and perhaps Ceylon. Holotype: ZSI F482.

Distribution: Coast of India and eastern Africa (Jayaram, 1982).

Remarks: Redescribed in Talwar (1976), with illustration of oral tooth patterns.

Plicofollis tonggol (Bleeker, 1846)

Arius crossoscheilos Bleeker, 1846a: 172. Type locality: Batavia. Syntypes (size and number not stated): RMNH 6894 (1 or more of 3).

Arius tonggol Bleeker, 1846b: 292. Batavia. Syntypes: BMNH 1863.12.4.56 (1, 183 mm SL, ~ 246 mm TL), RMNH 6894.

Distribution: Western Central Pacific, and Bay of Bengal; in estuaries (Kailola, 1999).

Remarks: The names *Arius crossoscheilos* and *A. tonggol* were first made available in separate publications, but in the same issue of *Natuur-en Geneeskundig Archief voor Neerlandsch Indië*. As such, they must be treated as having been published simultaneously and, therefore, in need of first reviser action to establish precedence. The earliest first reviser action I found was Bleeker (1862 [in Bleeker, 1862–63]: 39) in which *Ariodes tonggol* is treated as valid with *Arius crossoscheilos* a synonym. First included in *Plicofollis* by Kailola (2004), but as *Plicofollis crossoscheilos*.

Species inquirenda, Plicofollis

Arius magatensis Herre, 1926: 396, pl. 1 (fig. 1). Type locality: Magat River at Bagabag, Nueva Vizcaya Province, Philippines. Syntypes (6): BSMP (destroyed).

POTAMARIUS Hubbs & Miller, 1960

Potamarius Hubbs & Miller, 1960: 101. Type species: *Conorhynchos nelsoni* Evermann & Goldsborough, 1902.
Type by original designation. Gender: Masculine.

Potamarius grandoculis (Steindachner, 1877)

Arius grandoculis Steindachner, 1877b: 644, pl. 11. Type locality: Rio doce (nach Salmin), südöstlichen Brasilien.
Holotype: NMW 48272. Name spelled *Arius granducolis* in plate caption.

Distribution: Doce and Paraíba do Sul rivers of Brazil, at and near their mouths (Marceniuk & Ferraris, 2003).

Potamarius izabalensis Hubbs & Miller, 1960

Potamarius izabalensis Hubbs & Miller, 1960: 104, figs. 2. Type locality: Lago de Izabal, Guatemala, 1 mi. west of El Paraíso. Holotype: USNM 134347.

Distribution: Central America: Izabal Lake and, possibly, Polochic River, Guatemala (Marceniuk & Ferraris, 2003).

Potamarius nelsoni (Evermann & Goldsborough, 1902)

Conorhynchos nelsoni Evermann & Goldsborough, 1902: 140, fig. 1. Type locality: Río Usumacinta, Montecristo, Yucatán, Mexico. Holotype: USNM 50001.

Distribution: Usumacinta River basin, Mexico and Guatemala (Miller *et al.*, 2005).

SCIADES Müller & Troschel, 1849

Sciades Müller & Troschel, 1849: 6. Type species: *Bagrus (Sciades) emphysetus* Müller & Troschel, 1849. Type by subsequent designation by Bleeker (1862–63: 8). Gender: Masculine. Originally proposed as a subgenus of *Bagrus*.

Sciadeichthys Bleeker, 1858b: 62, 66. Type species: *Bagrus (Sciades) emphysetus* Müller & Troschel, 1849. Type by monotypy. Gender: Masculine.

Selenaspis Bleeker, 1858b: 62. Type species: *Silurus herzbergii* Bloch, 1794. Type by subsequent designation, apparently first by Jordan & Evermann (1896: 119). Gender: Feminine.

Leptarius Gill, 1863: 170. Type species: *Leptarius dowii* Gill, 1863. Type by monotypy. Gender: Masculine.

Sciadeops Fowler, 1944c: 211. Type species: *Sciades troschelii* Gill, 1863. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Sciades*.

Sciades couma (Valenciennes, 1840)

Bagrus couma Valenciennes, in Cuvier & Valenciennes, 1840a: 459 (340 of Strasbourg deluxe edition). Type locality: Cayenne. Syntypes: MNHN a-9338 (1), MNHN a-9339 (1).

Sciadeichthys (Selenaspis) walrechtii Boeseman, 1954: 60, pl. 3. Type locality: Surinam, probably neighbourhood of Paramaribo. Holotype: RMNH 2141.

Distribution: Atlantic draining rivers of South America, from the Gulf of Paria to the mouth of the Amazon (Marceniuk & Ferraris, 2003).

Sciades dowii (Gill, 1863)

Leptarius dowii Gill, 1863: 171. Type locality: Western coast of Central America. Holotype: at USNM (not found).

Arius alatus Steindachner, 1876: 569, pl. 6. Type locality: Panama. Syntype: MCZ 7725.

Distribution: Pacific draining rivers and estuaries of South and Central America, from Panama to Ecuador (Marceniuk & Ferraris, 2003).

Sciades herzbergii (Bloch, 1794)

Silurus Herzbergii Bloch, 1794: 33, pl. 367. Type locality: Surinam. Syntypes: ZMB 2962 (1), ZMB 8785 (1, skin).

Pimelodus argenteus La Cépède, 1803: 94, 102. Type locality: Surinam. Syntypes: ZMB 2962 (1), ZMB 8785 (1).
Unneeded new name for *Silurus herzbergii* Bloch.

Bagrus mesops Valenciennes, in Cuvier & Valenciennes, 1840a: 456 (338 of Strasbourg deluxe edition). Type locality: [Puerto Rico]. Holotype: MNHN a-9347.

Bagrus pemecus Valenciennes in Cuvier & Valenciennes, 1840a: 456 (338 of Strasbourg deluxe edition). Type locality: Cayenne. Holotype: MNHN a-9348 (dry).

Bagrus (Bagrus) coelestinus Müller & Troschel, 1849: 7. Type locality: Guiana. Syntypes: ZMB 2970 (1), ZMB 2971 (1).

Hexanematischthys hymenorrhinos Bleeker, 1862a: 377. Type locality: [Not stated]. Holotype: RMNH 3056; holotype illustrated in Bleeker (1864: 57, pl. 11, fig. 2; pl. 13, fig. 4), with type locality stated as Guatemala.

Netuma dubia Bleeker, 1862a: 382. Type locality: Surinam. Syntypes: RMNH 3051(1), RMNH 3052 (1); syntype illustrated in Bleeker (1864: 63, pl. 15, fig. 2; pl. 13, fig. 5).

Distribution: Caribbean and Atlantic draining rivers and estuaries of South America from Colombia to Brazil (Marceniuk & Ferraris, 2003).

***Sciades passany* (Valenciennes, 1840)**

Bagrus passany Valenciennes, in Cuvier & Valenciennes, 1840a: 458 (340 of Strasbourg deluxe edition). Type locality: Cayenne. Holotype: MNHN a-9399.

Distribution: Atlantic draining coastal rivers from Guyana to the mouth of the Amazon River (Marceniuk & Ferraris, 2003).

***Sciades platypogon* (Günther, 1864)**

Arius platypogon Günther, 1864: 147, unnumbered figures. Type locality: Guatemala, San Jose. Syntypes: BMNH 1864.1.26.316–319 (4).

Netuma mazatlana Gilbert, 1904: 255, pl. 25. Type locality: Mazatlán, Sinaloa, Mexico. Holotype: SU 7138.

Distribution: Pacific coast of the Americas, from Mexico to Ecuador (Marceniuk & Ferraris, 2003).

***Sciades proops* (Valenciennes, 1840)**

Bagrus proops Valenciennes, in Cuvier & Valenciennes, 1840a: 457 (339 of Strasbourg deluxe edition). Type locality: Cayenne ou de Surinam ... Porto-Rico. Syntypes: MNHN a-9331 (1), MNHN a-9332 (1), MNHN a-9333 (1), MNHN b-0245 (1), MNHN b-0618 (2).

Distribution: Caribbean and Atlantic draining rivers and estuaries of South America and some Caribbean Islands from Colombia to Brazil (Marceniuk & Ferraris, 2003).

***Sciades troschelii* Gill, 1863**

Sciades troschelii Gill, 1863: 171. Type locality: Western coast of Central America. Holotype: USNM (not found).

Arius Brandtii Steindachner, 1876: 571, pl. 3. Type locality: Altata, Panama. Syntypes: possibly MCZ 4964 (1), NMW 48107 (3), NMW 48110 (1).

Distribution: Pacific coast of the Americas, from Mexico to Peru (Marceniuk & Ferraris, 2003).

Species inquirenda, Sciades

Bagrus (Sciades) emphysetus Müller & Troschel, 1849: 8. Type locality: Surinam. Holotype: ZMB 2990.

Species inquirendae, Ariidae

Silurus ascita Linnaeus, 1758: 306. Type locality: India. Syntypes: NRM 72 (4). Inclusion in the Ariidae follows Fernholm & Wheeler (1983: 222).

Pimelodus gambensis Bowdich, 1825: 234, fig. 50. Type locality: Gambia River, west Africa. No types known.

Arius nigricans Valenciennes, 1835, in Valenciennes, 1835–47: pl. 3 (fig. 3). Type locality: [No locality stated, apparently La Plata River, Montevideo, Uruguay]. Holotype: MNHN 0000-0176. Name available from plate; described in Cuvier & Valenciennes (1840b: 83, 62 of Strasbourg deluxe edition).

Bagrus albicans Valenciennes, in Cuvier & Valenciennes, 1840a: 461 (342 of Strasbourg deluxe edition), pl. 420. Type locality: Cayenne. Holotype: MNHN a-9350.

Bagrus arioides Valenciennes, in Cuvier & Valenciennes, 1840a: 440 (326 of Strasbourg deluxe edition). Type locality: Bengal. Holotype (dix pouces): at MNHN.

Arius Belangerii Valenciennes, in Cuvier & Valenciennes, 1840b: 71 (53 of Strasbourg deluxe edition). Type locality: Bombay. Holotype (6 pouces): at MNHN.

Arius granosus Valenciennes, in Cuvier & Valenciennes, 1840b: 69 (51 in Strasbourg deluxe edition). Type locality: Pondichéry. Holotype: MNHN b-0681.

Bagrus flavescens Valenciennes, in Cuvier & Valenciennes, 1840a: 462 (342 of Strasbourg deluxe edition). Type locality: Cayenne. Holotype: MNHN a-8566 (mounted).

- Arius molliceps* Valenciennes, in Cuvier & Valenciennes, 1840b: 108 (80 of Strasbourg deluxe edition). Type locality: on en ignore l'origine. Holotype (5 ½ pouces): at MNHN.
- Arius rostratus* Valenciennes, in Cuvier & Valenciennes, 1840b: 63 (47 of Strasbourg deluxe edition). Type locality: dans les environs d'Alipey. Type(s): at MNHN.
- Arius sinensis* Valenciennes, in Cuvier & Valenciennes, 1840b: 72 (54 of Strasbourg deluxe edition). Type locality: Touraine. Holotype (4 pouces): at MNHN.
- Bagrus Temminckii* Valenciennes, in Cuvier & Valenciennes, 1840a: 463 (343 of Strasbourg deluxe edition). Type locality: Cayenne [apparently in error for Suriname]. Holotype: at RMNH (apparently lost). As *Bagrus temminckii* in contents, p. xxii, and *Bagrus temminckianus* on p. 463. Günther (1864: 151) used *temminckii* as valid while noting that the name was spelled *temminckianus* in Cuvier & Valenciennes (1840a: 463) thereby acting as first reviser. Type locality corrected by Boeseman (1972: 297).
- Bagrus trachipomus* Valenciennes, in Cuvier & Valenciennes, 1840a: 442 (328 of Strasbourg deluxe edition). Type locality: [Bengal]. Holotype: MNHN a-9346 (mounted).
- Arius aequibarbis* Valenciennes, in Cuvier & Valenciennes, 1840b: 68 (51 of Strasbourg deluxe edition). Type locality: Rangoon; Bengal. Syntypes (2): MNHN 0000-1200 (2), MNHN b-0682 (1).
- Bagrus venaticus* Richardson, 1845, in Richardson, 1844–48: 33. Type locality: North-west coast of Australia. Holotype: apparently destroyed (see Günther, 1864: 174).
- Bagrus vertagus* Richardson, 1845, in Richardson, 1844–48: 33. Type locality: North-west coast of Australia. Holotype: apparently destroyed (see Günther, 1864: 174).
- Arius caelatoides* Bleeker, 1846a: 159. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius chondropterygius* Bleeker, 1846a: 162. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius chondropterygioides* Bleeker, 1846a: 170. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius clijpeaster* Bleeker, 1846a: 161. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius clypeastroides* Bleeker, 1846a: 161. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius Heckelii* Bleeker, 1846a: 169. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius laeviceps* Bleeker, 1846a: 165. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius macruropterygius* Bleeker, 1846a: 164. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius manjong* Bleeker, 1846a: 163. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius microgastropterygius* Bleeker, 1846a: 160. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius micronotacanthus* Bleeker, 1846a: 162. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius viviparus* Bleeker, 1846a: 171. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius angulatus* Bleeker, 1846a: 170. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.
- Arius pidada* Bleeker, 1846a: 169. Type locality: Batavia. Syntypes (size and number not stated): possibly AMS B.7965 (1), BMNH 1863.12.4.57 (1), NMV 45948 (1). Type series apparently includes at least two species. In the absence of a lectotype, the position of this name is not clear.
- Pimelodus mong* Richardson, 1846: 286. Type locality: Canton, China. No types known. Based solely on illustration by Reeves (reproduced in Whitehead (1970: 210, pl. 20b).
- Bagrus crinalis* Richardson, 1846: 282. Type locality: Canton, China. No types known. Originally as ? *Bagrus crinalis*.

Based solely on illustration by Reeves, reproduced in Whitehead (1970: 210, pl. 19c).

Arius melanopterygius Bleeker, 1849: 10. Type locality: In Freto Madurae prope Kammal et Surabaya [Java]. Holotype (310 mm TL): Whereabouts unknown.

Arius borneënsis Bleeker, 1851c: 67. Type locality: Bandjarmassing. Syntypes (2, 101, 170 mm): Whereabouts unknown, perhaps at RMNH.

Arius schlegeli Bleeker, 1863d: 146. Type locality: Amoy, China. Syntypes (2): possibly AMS B.8123 (1).

Arius andamanensis Day, 1871: 699. Type locality: Andaman Is. Possible syntypes: AMS B.7931 (1), ZSI F307 (1).

Type series is apparently mixed (Kailola, 1999: 1842, 1865) and, in the absence of a lectotype, position of this name is not clear.

Arius argenteus Lütken, 1874b: 211. Type locality: Canton, China. Holotype: ZMUC P 29624.

Arius festae Boulenger, 1898c: 5. Type locality: Narrangal, Equateur occidental. Holotype: MZUT 1479.

Arius (Hemiaris) nudidens Weber, 1913: 538, fig. 15. Type locality: Lorentz-Fluss [New Guinea]. Syntypes (4): ZMA 111507 (1), ZMA 111508 (1), ZMA 111509 (1).

Netuma aulometopon Fowler, 1915a: 204, fig. 1. Type locality: Dutch Guiana. Holotype: ANSP 8372.

Arius satparanus Chaudhuri, 1916: 430, figs. 6–8. Type locality: Channel between Satpara and Barnikuda, Chilka Lake, Orissa, India. Holotype: ZSI F8784/1; illustrated in Jayaram & Dhanze (1981b: fig. 1).

Remarks: Possibly a synonym of *Arius tenuispinis* (Jayaram & Dhanze, 1981b), or *Arius argyroleurodon* (Valenciennes) (Kailola, 1999).

Hexanemichthys henni Fisher & Eigenmann, in Eigenmann, 1922: 30, fig. 9. Type locality: Colimes, Rio Daule, Ecuador. Holotype: CAS 60620. Authorship based on footnote on p. 27.

Netuma hassleriana Borodin, 1934: 33, fig. b. Type locality: Panama. Holotype: MCZ 33213.

Hemipimelodus sundanensis Hardenberg, 1948: 411. Type locality: Kota Agung (Sunda Strait), Sumatra. Syntypes (2, 270–280 mm): Whereabouts unknown.

Unconfirmed fossil Ariidae

† *Arius bartonensis* Woodward, 1887: 306, fig. 3. Type locality: High Cliff, Barton Hampshire, England. Upper Eocene. Holotype: BMNH 40280 (dorsal fin spine). Originally: *Arius* (?) *bartonensis*.

† *Arius egertoni belgicus* Leriche, 1905. (no additional information; name from Weiler, 1956: 187).

† *Arius Bonneti* Priem 1904: 44 (figs. 3–8). Type locality: Bartonien superieur de Marines. Types: dans la collection Bonnet (dorsal and pectoral fin spines); also illustrated in Priem (1908: 123, figs. 63, 64, pl. 3, figs. 5–6).

† *Arius Dutemplei* Leriche, 1900: 181, pl. 1, figs 13–15. Type locality: Cuis, Chavot [Marne, Lower Eocene]. Types: at laboratoire de Géologie de l'Université de Lille (dorsal fin spine, pectoral fin spine).

Distribution: several Paris Basin localities, lowermost Eocene (Gaudant, 1981) (from Gayet & Meunier, 2003).

† *Silurus Egertoni* Dixon, in Dixon & Egerton, 1850: 112, 204, pl. 11, figs. 11–13. Bracklesham Bay, Sussex, Middle Eocene. Holotype: BMNH 25612 (pectoral arch and spine).

Remarks: Redescribed as † *Arius egertoni* in Woodward (1887: 304, figs. 1–2).

† *Arius Fraasi* Peyer, 1928: 17, pl. 6, fig. 2. Type locality: Unterste Nokkattam-Stufe, Eocän, Cairo. Holotype: at Naturalienkabinett Stuttgart.

† *Arius gigas* [no additional information; from Gayet & Meunier (2003)].

Distribution: Chad, Mio-Pliocene (Brunet *et al.*, 2000).

Remarks: Gayet & Meunier (2003) placed this species in the Ariidae, but without any additional information. It is unclear whether the use of this name in Brunet *et al.* (2000) and Gayet & Meunier (2003) was intended to identify fossils with the Recent species *Arius gigas* Boulenger or this name was proposed independently of, and therefore a homonym of, that name.

† *Arius heward-belli* White, 1926: 56, pl. 13, figs. 4–12. Type locality: Ameki, Nigeria, Eocene. Holotype: National Collection [Nigeria] or BMNH (pectoral spine tip).

† *Arius kitsoni* White, 1926: 54, pl. 13, figs. 1–2. Type locality: Ameki, Nigeria, Eocene. Holotype: National Collection [Nigeria] or BMNH (proximal half of right pectoral fin spine).

† *Arius kutchensis* Raghavendra Rao, 1956: 181, figs. 1–2, pl. 28. Type locality: Gypseous shale beds about two miles

west of Nareda, Western Kutch, India; Lower Eocene. Holotype: (skull) Geological Survey of India, Calcutta 17539.

Remarks: See Sahni & Mishra (1975: 11, pl. 2, figs. 2–4) for emended diagnosis.

† *Arius nucleus* Weinfurter, 1952. Type locality: [Austria, Miocene]. [No other information]

† *Arius russi* White, 1926: 58, pl. 13, fig. 3. Type locality: Oshosun, Nigeria, Eocene. Holotype: National Collection [Nigeria] or BMNH (proximal end of pectoral fin spine).

† *Tachysurus landanensis* [No other information, taken from Gayet & Meunier (2003)].

Distribution: Zaire, Eocene (Gayet & Meunier, 2003).

Remarks: Placement in Ariidae supported by Gayet & Meunier (2003).

ASPREDINIDAE Adams, 1854

Aspredinidae Adams, in Adams *et al.*, 1854: 107. Type genus: *Aspredo* Scopoli, 1777.

Bunocephalini Bleeker, 1858b: xi, 328. Type genus: *Bunocephalus* Kner, 1855.

Platystacinae Eigenmann & Eigenmann, 1890: 9, 13, 20. Type genus: *Platystacus* Bloch, 1794.

Hoplomizoninae [sic Hoplomyzontinae] Fernández-Yépez, 1950b:113. Type genus: *Hoplomyzon* Myers, 1942.

Taxonomy summary: Gill (1891a); Friel (2003); Myers (1960); Mees (1987b, Aspredininae); Mees (1988b Bunocephalinae).

Keys: Mees (1988b, Aspredininae).

Revision: Stewart (1985b, Hoplomyzontinae).

Phylogeny: Friel (1994); Diogo *et al.* (2001).

12 genera, 36 species; no named fossil taxa.

ACANTHOBUNOCEPHALUS Friel, 1995

Acanthobunocephalus Friel, 1995: 90. Type species: *Acanthobunocephalus nicoi* Friel, 1995. Type by original designation. Gender: Masculine.

Acanthobunocephalus nicoi Friel, 1995

Acanthobunocephalus nicoi Friel, 1995: 90, fig. 1. Type locality: Río Sipapo, 200 m from Salto Remo, 4°34'N, 67°18'W, Venezuela. Holotype: MCNG 29000.

Distribution: Upper Orinoco River basin of Venezuela, including Sipapo, Ramoni and Casiquiare rivers (Friel, 2003).

AMARALIA Fowler, 1954

Amaralia Fowler, 1954: 40. Type species: *Bunocephalus hypsiurus* Kner, 1855. Type by original designation. Gender: Feminine.

Amaralia hypsiura (Kner, 1855)

Bunocephalus hypsiurus Kner, 1855a: 98, pl. 1 (fig. 1). Type locality: Rio Branco [Brazil]. Syntypes: NMW 47626 (2).

Distribution: Throughout the Amazon River basin (Friel, 2003).

ASPREDINICHTHYS Bleeker, 1858

Aspredinichthys Bleeker, 1858b: 328, 329. Type species: *Aspredo tibicen* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

Chamaigenes Eigenmann, 1910: 380. Type species: *Aspredo filamentosus* Valenciennes, 1840. Type by original designation. Gender: Masculine.

Revision: Mees (1987b).

Aspredinichthys filamentosus (Valenciennes, 1840)

Aspredo filamentosus Valenciennes, in Cuvier & Valenciennes, 1840b: 437 (324 of Strasbourg deluxe edition), pl. 450. Type locality: Cayenne. Syntypes: MNHN 0000-4401 (4), MNHN b-0594 (2).

Distribution: Lower portions of rivers and in coastal waters of northern South America from Venezuela to northern Brazil (Friel, 2003).

Aspredinichthys tibicen (Valenciennes, 1840)

Aspredo tibicen Valenciennes, in Cuvier & Valenciennes, 1840b: 438 (325 of Strasbourg deluxe edition). Type locality: Surinam. Holotype: RMNH 3111.

Distribution: Lower portions of rivers and in coastal waters of northern South America from Venezuela to northern Brazil (Friel, 2003).

ASPREDO Scopoli, 1777

Aspredo Scopoli, 1777: 453. Type species: *Silurus aspredo* Linnaeus, 1758. Type by absolute tautonymy. Gender: Masculine.

Aspredo aspredo (Linnaeus, 1758)

Silurus aspredo Linnaeus, 1758: 304. Type locality: in Americae fluviis. Syntype: ZMUU Linnaean Coll. 48 (1); also based on descriptions in Gronovius (1754: 8), which apparently is based on the same Linnaean specimen, and on Klein (1775).

Platystacus laevis Bloch, 1794: 58. Type locality: [No locality stated]. Syntypes: ZMB 3153 (3), and several literature sources, including *Silurus aspredo* Linnaeus.

Aspredo sicuephorus Valenciennes, in Cuvier & Valenciennes, 1840b: 439 (326 of Strasbourg deluxe edition). Type locality: La Mana [French Guiana]. Holotype: MNHN 0000-6362.

Aspredo batrachus Gronow, in Gray, 1854: 137. Type locality: fluminibus Americis Meridionalis. Syntype or holotype: ZMUU Linnaean Coll. 48 (1); inasmuch as Gronovius (1754: 8) based the description on an earlier Linnaean description.

Aspredo sicyephorus Günther, 1864: 269. Type locality: Mana [French Guiana]. Holotype: MNHN 0000-6362. Unjustified emendation of *Aspredo sicuephorus* Valenciennes, 1840.

Distribution: Lower portions of rivers from Venezuela to northern Brazil (Friel, 2003).

BUNOCEPHALUS Kner, 1855

Aspredo Swainson, 1838: 332. Type species: *Aspredo gronovii* Swainson, 1838. Type by monotypy. Gender: Masculine. Preoccupied by *Aspredo* Scopoli, 1777; apparently not replaced.

Bunocephalus Kner, 1855a: 95. Type species: *Platystacus verrucosus* Bloch, 1794. Type by subsequent designation by Bleeker (1862–63: 19). Gender: Masculine.

Platystacus Bleeker, 1858b: 329. Type species: *Bunocephalichthys verrucosus* Bloch, 1794. Type by subsequent designation by Jordan (1919a: 279). Gender: Masculine.

Dysichthys Cope, 1874b: 133. Type species: *Dysichthys coracoideus* Cope, 1874. Type by monotypy. Gender: Masculine.

Agmus Eigenmann, 1910: 379. Type species: *Bunocephalus scabriceps* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

Remarks: Ferraris (1991) clarified type species of *Bunocephalus*, but see Mees (1997) for alternate opinion. Many of the species listed here were placed in *Dysichthys* by Mees (1988b, 1989), but *Dysichthys* was placed in the synonymy of *Bunocephalus* in Friel (2003).

Review: Mees (1989, as *Dysichthys*, in part).

Bunocephalus aleuopsis Cope, 1870

Bunocephalus aleuopsis Cope, 1870b: 568. Type locality: Pebas, Eastern Ecuador [now Peru]. Syntypes: ANSP 8286–8288 (3); one syntype illustrated in Mees (1989: 206, fig. 4).

Bunocephalus melas Cope, 1874b: 132. Type locality: Nauta. Holotype: ANSP 21235 (in pieces).

Distribution: Amazon and Orinoco River basins (Friel, 2003).

Bunocephalus amaurus Eigenmann, 1912

Bunocephalus amaurus Eigenmann, 1912b: 126, fig. 24; pl. 2 (fig. 2). Type locality: Konawaruk, British Guiana. Holotype: FMNH 53121.

Bunocephalus amaurus aloikae Hoedeman, 1961: 130. Type locality: Litany R., Aloiké village, French Guiana. Holotype: ZMA 102229.

Bunocephalus amaurus sipaliwini Hoedeman, 1961: 130, fig. 1. Type locality: Sipaliwini, Suriname, 20 km from

frontier with Brazil. Holotype: ZMA 102228.

Distribution: Coastal rivers of northern South America between Orinoco to Amazon mouths (Friel, 2003).

Remarks: Redescribed in Mees (1989: 216) as a subspecies of *Dysichthys coracoideus*.

Bunocephalus amazonicus (Mees, 1989)

Dysichthys amazonicus Mees, 1989: 241, fig. 21. Type locality: Bolivia: creek near Todos Santos, upper course of R. Mamoré, Cochabamba. Holotype: ZMA 109246 (37 mm SL specimen).

Distribution: Upper and middle Amazon River basin (Friel, 2003).

Bunocephalus bifidus Eigenmann, 1942

Bunocephalus bifidus Eigenmann, in Eigenmann & Allen, 1942: 86, pl. 2 (fig. 2). Type locality: creek, Yurimaguas [Huallaga River, Peru]. Holotype: CAS 35105.

Distribution: Amazon River basin of Bolivia, Brazil, Ecuador, and Peru (Friel, 2003).

Remarks: Name appeared several times (Pearson, 1924: 9; Pearson 1937: 111; Fowler, 1940c: 94) as a *nomen nudum* prior to being made available in Eigenmann & Allen (1942).

Bunocephalus chamaizelus Eigenmann, 1912

Bunocephalus chamaizelus Eigenmann, 1912b: 127, fig. 24; pl. 2 (fig. 1). Type locality: Erukin, British Guiana. Holotype: FMNH 53122.

Distribution: Essequibo River basin (Friel, 2003).

Bunocephalus colombianus Eigenmann, 1912

Bunocephalus colombianus Eigenmann, 1912a: 10. Type locality: Raspadura [Colombia]. Holotype: FMNH 56038.

Distribution: Atrato and Magdalena River basins (Friel, 2003); also Cauca, San Jorge, Sinu and Patía basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Bunocephalus coracoideus (Cope, 1874)

Dysichthys coracoideus Cope, 1874b: 133. Type locality: Nauta [Peru]. Syntypes: ANSP 21212–21215 (4).

Bunocephalus bicolor Steindachner, 1882b: 176. Type locality: Aus dem Huallaga [Peru]. Holotype: MTD F345. Species illustrated and described in more detail in Steindachner (1882c: 8, pl. 2, figs. 1, 1a, 1b).

Bunocephalus haggini Eigenmann & Allen, 1942: 86, pl. 2 (fig. 1). Type locality: Amazon at Iquitos [Peru]. Holotype: CAS 35107.

Distribution: Amazon River basin of Bolivia, Brazil, and Peru (Friel, 2003).

Bunocephalus doriae Boulenger, 1902

Bunocephalus doriae Boulenger, 1902b: 286. Type locality: Villa Rica, Paraguay; and Posadas, Río Parana [Argentina]. Syntypes: BMNH 1902.2.10.22–23 (2), MSNG 14274 (1), MSNG 14275 (3).

Bunocephalus retropinnis Eigenmann, in Eigenmann & Allen, 1942: 85, pl. 2 (fig. 3). Type locality: Cacequi, Brazil. Holotype: CAS 35246.

Distribution: Paraguay-Paraná and Uruguay River basins, of Argentina, Brazil, Paraguay and Uruguay (Friel, 2003).

Bunocephalus iheringii Boulenger, 1891

Bunocephalus iheringii Boulenger, 1891: 235, pl. 26 (fig. 2). Type locality: Not stated [apparently from Rio Grande do Sul, Brazil]. Syntypes: BMNH 1891.3.16.77–78 (2).

Bunocephalus salatheii Myers, 1927: 125. Type locality: Brazil: Morro Ajudo, about 100 km from Rio de Janeiro. Holotype: MCZ 31583.

Bunocephalus minutus Güntert, 1942: 28, figs. 1–2. Type locality: Paraguay, Dept. Villetta. Syntypes: NMBA 5296–98 (3), NMBA 5299–5300 (2).

Bunocephalus carvalhoi Miranda Ribeiro, 1944a: 1, figure on p. 2. Type locality: Magé, Estado do Rio de Janeiro [Brazil]. Holotype: MNRJ 1060.

Distribution: Atlantic, Paraguay and Uruguay River basins of Brazil and Paraguay (Friel, 2003).

Bunocephalus knerii Steindachner, 1882

Bunocephalus Knerii Steindachner, 1882b: 176. Type locality: Canelos [Ecuador]. Syntype: NMW 47628. Species illustrated and described in more detail in Steindachner (1882c: 9, pl. 2, figs. 2, 2a, 2b).

Distribution: Upper Amazon River basin of Colombia, Ecuador, and Peru (Friel, 2003).

Bunocephalus larai Ihering, 1930

Bunocephalus larai Ihering, 1930: 101, pl. 13 (figs. 3–3a). Type locality: Rio Piracicaba, junto ao Salto; ao 20 km

abaixo (ilha das Flechas) [São Paulo, Brazil]. Syntypes: Whereabouts unknown.

Distribution: Paraná River basin of Brazil (Friel, 2003).

Bunocephalus quadriradiatus (Mees, 1989)

Dysichthys quadriradiatus Mees, 1989: 244, figs. 23, 24. Type locality: Peru: Samiria, Chinguito [= Cocha Shinguita or Shirguita]. Holotype: MHNG 2157.21.

Distribution: Upper Amazon River basin of Peru (Friel, 2003).

Bunocephalus rugosus Eigenmann & Kennedy, 1903

Bunocephalus rugosus Eigenmann & Kennedy, 1903: 498. Type locality: Laguna near Arroyo Chagalalina [Paraguay]. Holotype: IU 9819 (whereabouts unknown).

Dysichthys australe Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 113, pl. 31. Type locality: Corumba [Paraguay]. Holotype: CAS 35240.

Distribution: Paraguay-Paraná River basin of Brazil and Paraguay (Friel, 2003).

Bunocephalus verrucosus (Walbaum, 1792)

Silurus verrucosus Walbaum, 1792: 574. Type locality: [No locality stated]. No types known. Based on Gronovius (1754, pl. 5, fig. 3).

Platystacus verrucosus Bloch, 1794: 63, pl. 373 (fig. 3). Type locality: Wahrscheinlich gerhört er in Surinam zu Hause [= Suriname]. On Gronovius (1754: 5, pl. 5, fig. 3; and 1763: 102, no. 325).

Aspredo gronovii Swainson, 1838: 332, fig. 80. Type locality: [No locality stated]. No types known.

Aspredo verrucosa Gronow, in Gray, 1854: 137. Type locality: America Meridionali. No types known; based on Gronovius (1763: no. 325, pl. 5, fig. 3.).

Bunocephalichthys gronovii Bleeker, 1858b: 329. Type locality: Am. Merid. No types known; based on Gronovius (1754: 153, pl. 5, fig. 3).

Bunocephalus scabriceps Eigenmann & Eigenmann, 1889b: 49. Type locality: Jutahy [Brazil]. Lectotype: MCZ 7967; lectotype illustrated and designated in figure caption of Eigenmann (1912: pl. 4) as 42 mm specimen.

Agmus lyriformis Eigenmann, 1912b: 128, fig. 25; pl. 3. Type locality: Gluck Island [Rupununi River], British Guiana. Holotype: FMNH 53120.

Distribution: Rivers of the Guianas and throughout the Amazon River basin (Friel, 2003).

DUPOUYICHTHYS Schultz, 1944

Dupouyichthys Schultz, 1944c: 244. Type species: *Dupouyichthys sapito* Schultz, 1944. Type by original designation. Gender: Masculine.

Dupouyichthys sapito Schultz, 1944

Dupouyichthys sapito Schultz, 1944c: 245, pl. 4 (fig. d); fig. 4b. Type locality: Río Motatán, at the bridge 22 km north of Motatán, Venezuela. Holotype: USNM 121072.

Distribution: Magdalena River and Lake Maracaibo basins (Friel, 2003).

Remarks: Redescribed in Mojica *et al.* (2000).

ERNSTICHTHYS Fernández-Yépez, 1953

Ernstichthys Fernández-Yépez, 1953: 3, 4. Type species: *Ernstichthys anduzei* Fernández-Yépez, 1953. Type by original designation. Gender: Masculine.

Ernstichthys anduzei Fernández-Yépez, 1953

Ernstichthys anduzei Fernández-Yépez, 1953: 5, fig. 1. Type locality: Río Salinas, northeast of El Baúl, Estado Cojedes, Venezuela. Holotype: MHNLS 28.

Distribution: Orinoco River basin of Venezuela (Friel, 2003).

Ernstichthys intonsus Stewart, 1985

Ernstichthys intonsus Stewart, 1985b: 16, figs. 1f, 3, 9. Type locality: Río Napo at Añangu, Napo Prov, 0°30.8'S, 76°24.0'W, Ecuador. Holotype: FMNH 94603.

Distribution: Napo River basin of Ecuador (Friel, 2003).

Ernstichthys megistus (Orcés, 1961)

Hoplomyzon megistus Orcés, 1961: 3, figs. 1–2. Type locality: Small river off of the Río Chicherota, Río Bobonaza

system, Prov. Pastaza, e. Ecuador. Holotype: Author's personal coll. 4305 (current whereabouts unknown).
Distribution: Bobonaza and Marañon River basins of Ecuador and Peru (Friel, 2003).

HOPLOMYZON Myers, 1942

Hoplomyzon Myers, 1942: 94. Type species: *Hoplomyzon atrizona* Myers, 1942. Type by original designation. Gender: Masculine.

Hoplomyzon atrizona Myers, 1942

Hoplomyzon atrizona Myers, 1942: 95, fig. 3. Type locality: Brook trib. to Río Zulia, at Estacion Tachira, 60 km north of San Cristobal, Venezuela, elev. ca. 150 m. Holotype: SU 36494.

Hoplomyzon atrizona petroleus Schultz, 1944c: 248, pl. 4 (fig. C); fig. 4a. Type locality: Río Motatán, 4 km above Motatán, Maracaibo basin, Venezuela. Holotype: USNM 121070.

Distribution: Lake Maracaibo basin (Friel, 2003).

Hoplomyzon papillatus Stewart, 1985

Hoplomyzon papillatus Stewart, 1985b: 8, figs. 1b, 2b, 4b, 5. Type locality: Río Aguarico, 1 km upstream from confluence with Río Shushufindi, Napo Prov., 0°17'S, 76°24.5'W, Ecuador. Holotype: FMNH 94908.

Distribution: Napo and Portuguesa River basins of Ecuador and Venezuela, respectively (Friel, 2003).

Hoplomyzon sexpapilostoma Taphorn & Marrero, 1990

Hoplomyzon sexpapilostoma Taphorn & Marrero, 1990: 4, figs. 1–4. Type locality: Río Masparro at site of Masparro Dam, Barinas, Venezuela, 8°50'40"N, 70°06'00"W. Holotype: MCNG 18669.

Distribution: Orinoco River basin of Venezuela (Friel, 2003).

MICROMYZON Friel & Lundberg, 1996

Micromyzon Friel & Lundberg, 1996: 642. Type species: *Micromyzon akamai* Friel & Lundberg, 1996. Type by original designation. Gender: Masculine.

Micromyzon akamai Friel & Lundberg, 1996

Micromyzon akamai Friel & Lundberg, 1996: 643, fig. 1. Type locality: Rio Tocantins, above confluence with Rio Pará, 2°02'S, 49°17'W, Pará, Brazil, 10–14 m. Holotype: MZUSP 48550.

Distribution: Lower Amazon River basin (Friel, 2003).

PLATYSTACUS Bloch, 1794

Platystacus Bloch, 1794: 52. Type species: *Platystacus cotylephorus* Bloch, 1794. Type by subsequent designation by Bleeker (1862–63: 19). Gender: Masculine.

Platysomatos Bloch, 1797: 115. Type species: *Platystacus cotylephorus* Bloch, 1794. Type by being a replacement name. Unneeded new name for *Platystacus* Bloch, 1794. Gender: Masculine. See Harry (1953) for comments on this name.

Cotylephorus Swainson, 1838: 354. Type species: *Cotylephorus blochii* Swainson, 1838. Type by monotypy. Gender: Masculine.

Platystacus cotylephorus Bloch, 1794

Platystacus cotylephorus Bloch, 1794: 54, pl. 372. Type locality: Ostindischen Gewässer [in error; certainly from South America]. Syntypes: ZMB 3157 (2), and several specimens associated with literature sources.

Silurus hexadactylus La Cepède, 1803: 58, 82. Type locality: [No locality stated]. Holotype: MNHN b-0029.

Cotylephorus Blochii Swainson, 1838: 354, fig. 90. Type locality: Ostindischen Gewässer [in error; certainly from South America]. Syntypes: ZMB 3157. Unneeded new name for *Platystacus cotylephorus* Bloch, 1794, apparently to avoid tautonymy.

Aspredo sexcirrhis Valenciennes, in Cuvier & Valenciennes, 1840b: 441 (326 of Strasbourg deluxe edition). Type locality: Surinam. Syntypes: MNHN a-9313 (1), MNHN b-0029 (1).

Aspredo spectrum Gronow, in Gray, 1854: 137. Type locality: in fluminibus Americis Meridionalis. Types: Whereabouts unknown; based on Gronovius (1763: no. 324), and Seba (1734–65: pl. 29, fig. 9).

Platystacus nematophorus Bleeker, 1862a: 371. Type locality: Surinama. Holotype: RMNH 3105; holotype illustrated in Bleeker (1864: 96, pl. 1, fig. 1).

Distribution: Coastal waters and lower portions of rivers of northern South America, from Venezuela to northern Brazil (Friel, 2003).

PTEROBUNOCEPHALUS Fowler, 1943

Pterobunocephalus Fowler, 1943c: 1. Type species: *Bunocephalus albifasciatus* Fowler, 1943. Type by original designation. Gender: Masculine.

Petacara Böhlke, 1959: 2. Type species: *Bunocephalus dolichurus* Delsman, 1941. Type by original designation. Gender: Neuter.

Pterobunocephalus depressus (Haseman, 1911)

Bunocephalus depressus Haseman, 1911a: 319, pl. 48 (fig. 1), pl. 49. Type locality: Río Machupo near San Joaquín, Bolivia. Holotype: FMNH 54338.

Bunocephalus albifasciatus Fowler, 1943c: 2, fig. 1. Type locality: Todos Santos, Bolivia. Holotype: ANSP 69193. Distribution: Amazon, Orinoco and Paraguay River basins (Friel, 2003).

Pterobunocephalus dolichurus (Delsman, 1941)

Bunocephalus dolichurus Delsman, 1941: 77, fig. 12. Type locality: Trombetas-river, near Obidos [Brazil]. Holotype: IRSNB 359.

Distribution: Amazon River basin of Brazil and Peru (Friel, 2003).

XYLIPHIUS Eigenmann, 1912

Xyliphius Eigenmann, 1912a: 10. Type species: *Xyliphius magdalena* Eigenmann, 1912. Type by monotypy. Gender: Masculine. Spelled two ways in original description: *Xyliphius* and *Xiliphius*, first reviser not yet identified, but may not have been formalized until noted by Eschmeyer & Bailey, in Eschmeyer (1990).

Xyliphius barbatus Alonso de Arámburu & Arámburu, 1962

Xyliphius barbatus Alonso de Arámburu & Arámburu, 1962: 219, figs. 1–2. Type locality: río Paraná en Rosario, provincia de Santa Fe, Argentina. Holotype: MLP 6798.

Xyliphius labrosus Risso & Risso, 1964a: 11. Apparently an unneeded new name for *Xyliphius barbatus* Alonso de Arámburu & Arámburu, 1962.

Distribution: Paraguay-Paraná River basin, Argentina (Friel, 2003).

Xyliphius kryptos Taphorn & Lilystrom, 1983

Xyliphius kryptos Taphorn & Lilystrom, 1983: 43, fig. 1. Type locality: Cerca del Puente de la carretera 6 sobre el Río Aricuaisá, Estado Zulia, Venezuela. Holotype: MCNG 1224.

Distribution: Lake Maracaibo basin (Friel, 2003).

Xyliphius lepturus Orcés, 1962

Xyliphius lepturus Orcés, 1962: 50, figs. 1–2. Type locality: Cerca de Desembocadura del río Pucayacu en el Bobonaza [Ecuador]. Holotype: Author's personal collection 1307 (current whereabouts unknown).

Distribution: Upper Amazon and Orinoco River basins of Colombia, Ecuador and Venezuela (Friel, 2003).

Xyliphius lombardeiroi Risso & Risso, 1964

Xyliphius lombardeiroi Risso & Risso, 1964a: 12, pl. 1 (figs. 1–2). Type locality: el Riacho Barranqueras [Paraná, Argentina]. Holotype: Authors' personal collection (current whereabouts unknown).

Distribution: Paraná River basin, Argentina (Friel, 2003).

Xyliphius magdalena Eigenmann, 1912

Xyliphius magdalena Eigenmann, 1912a: 10. Type locality: Girardot, Colombia. Holotype: FMNH 56039; holotype illustrated in Eigenmann (1922: 27, pl. 1, fig. 1).

Distribution: Magdalena River basin, Colombia (Friel, 2003; Maldonado-Ocampo *et al.*, 2005).

Xyliphius melanopterus Orcés, 1962

Xyliphius melanopterus Orcés, 1962: 52, figs. 3–4. Type locality: el bajo Pucayacu no lejos de su desembocadura en el Bobonaza [Ecuador]. Holotype: Author's personal coll. 2021 (current whereabouts unknown).

Distribution: Upper Amazon and Orinoco River basins (Friel, 2003).

ASTROBLEPIDAE Bleeker, 1862

Argeini Bleeker, 1862 (in Bleeker, 1862–63): 15. Type genus: *Arges* Valenciennes, 1840.

Astroblepiformes Bleeker, 1862 (in Bleeker, 1862–63): 15. Type genus: *Astroblepus* Humboldt, 1805.

Cyclopiidae Eigenmann, 1910: 416. Type genus: *Cyclopium* Swainson, 1838.

Remarks: The name Astroblepiformes takes precedence over the simultaneously published Argeini, because it was proposed at a higher taxonomic level (subfamily vs. stirps).

Taxonomic summary: Schaefer (2003b).

1 genus, 54 species; no named fossil taxa.

ASTROBLEPUS Humboldt, 1805

Astroblepus Humboldt, 1805a: 19. Type species: *Astroblepus grixalvii* Humboldt, 1805. Type by monotypy. Gender: Masculine.

Cyclopium Swainson, 1838: 355. Type species: *Cyclopium humboldtii* Swainson, 1839. Type by subsequent monotypy. Gender: Neuter. Genus first proposed without species; species first added in Swainson (1839: 305).

Arges Valenciennes, in Cuvier & Valenciennes, 1840b: 333 (247 in Strasbourg deluxe edition). Type species: *Arges sabalo* Valenciennes, 1840. Type by subsequent designation by Bleeker (1862–63: 15). Gender: Masculine.

Brontes Valenciennes, in Cuvier & Valenciennes, 1840b: 341 (254 in Strasbourg deluxe edition). Type species: *Brontes prenadilla* Valenciennes, 1840. Type by monotypy. Gender: Masculine. Preoccupied by *Brontes* Fabricius, 1801, in Coleoptera; replaced by *Strephon* Gistel, 1848.

Strephon Gistel, 1848: viii. Type species: *Brontes prenadilla* Valenciennes, 1840. Type by being a replacement name. Gender: Masculine. Replacement for *Brontes* Valenciennes, 1840, preoccupied by *Brontes* Fabricius, 1801, in Coleoptera.

Stygogenes Günther, 1864: 223. Type species: *Cyclopium humboldtii* Swainson, 1839. Type by subsequent designation of Jordan (1919b: 332). Gender: Masculine.

Astroblepus boulengeri (Regan, 1904)

Arges boulengeri Regan, 1904b: 310. Type locality: Canelos, Ecuador. Syntypes: BMNH 1890.6.13.12–13.

Distribution: Upper Amazon River basin of Ecuador (Schaefer, 2003b).

Astroblepus brachycephalus (Günther, 1859)

Arges brachycephalus Günther, 1859: 92. Type locality: Andes of western Ecuador. Syntypes: BMNH 1858.7.25.37–40 (4).

Distribution: Pacific draining rivers of Ecuador (Schaefer, 2003b).

Astroblepus caquetae Fowler, 1943

Astroblepus caquetae Fowler, 1943a: 246, fig. 23–25. Type locality: Florencia, Río Ortueguasa, Colombia. Holotype: ANSP 70506.

Distribution: Orteguaza River, upper Amazon River basin of Colombian Andes (Schaefer, 2003b).

Astroblepus chapmani (Eigenmann, 1912)

Cyclopium chapmani Eigenmann, 1912a: 13. Type locality: Boquia, Colombia. Holotype: FMNH 56071; holotype illustrated in Eigenmann (1922: 51, pl. 6, fig.2).

Distribution: Andean streams of Cauca, Magdalena and San Juan River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus chimborazoi (Fowler, 1915)

Cyclopium chimborazoi Fowler, 1915a: 241, fig. 11. Type locality: Junction of Chanchan and Chiguancay rivers. Province of Chimborazo, Ecuador. Holotype: ANSP 43523.

Distribution: Pacific draining rivers of Ecuador (Schaefer, 2003b).

Astroblepus chotae (Regan, 1904)

Arges chotae Regan, 1904b: 313, pl. 21 (fig. 5). Type locality: Chota Valley, northern Ecuador. Holotype: BMNH 1898.11.4.22.

Distribution: Pacific draining rivers of Colombia, Ecuador, and Peru; Magdalena and Orinoco River basins (Schaefer, 2003b).

Astroblepus cirratus (Regan, 1912)

Arges cirratus Regan, 1912b: 670. Type locality: Río Condoto, Río San Juan, S.W. Colombia. Holotype: BMNH 1912.3.2.7.

Distribution: San Juan River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus cyclopus (Humboldt, 1805)

Pimelodus cyclopus Humboldt, 1805b: 24, pl. 6. Type locality: Subterranean waters in Andes of Quito (basin of Río Esmeraldas), Ecuador. Type(s): Whereabouts unknown.

Cyclopium Humboldtii Swainson, 1839: 305. Unneeded new name for *Pimelodus cyclopus* Humboldt, 1805 (but listed as *Pimelodus cyclopium*).

Stygogenes humboldtii Günther, 1864: 223. Type locality: Azores [in error]. Syntypes (4): BMNH 1855.6.26.14.

Distribution: Esmeraldas River and other Pacific coastal drainages of Ecuador (Schaefer, 2003b); Andean streams of Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus eigenmanni (Regan, 1904)

Arges eigenmanni Regan, 1904b: 312, pl. 21 (fig. 3). Type locality: Cayambe and Machachi, Ecuador. Syntypes: BMNH 1892.5.14.1–8 (8).

Distribution: Pacific coastal drainages of Ecuador (Schaefer, 2003b).

Astroblepus festae (Boulenger, 1898)

Arges festae Boulenger, 1898c: 9. Type locality: Vallée de Gualaquiza, Equateur Oriental. Syntypes: BMNH 1898.11.4.23–29; MZUT 1486, MZUT 1497.

Distribution: South America: Upper Marañon River of southern Ecuador (Schaefer, 2003b).

Astroblepus fissidens (Regan, 1904)

Arges fissidens Regan, 1904b: 316. Type locality: Andes of Ecuador. Syntypes: BMNH 1887.1.7.2, BMNH 1889.2.1.4397.

Distribution: Andes of Ecuador (Schaefer, 2003b).

Astroblepus formosus Fowler, 1945

Astroblepus formosus Fowler, 1945c: 10, fig. 1–2. Type locality: Acobamba, near Tarma, at 2900 meters elevation, Río Ucayali basin, Peru, Holotype: ANSP 71647.

Distribution: Upper Ucayali River basin, Peru (Schaefer, 2003b).

Astroblepus frenatus Eigenmann, 1918

Astroblepus frenatus Eigenmann, 1918b: 676. Type locality: Quebrada de San Joaquín, Santander, Colombia. Holotype: FMNH 58384.

Distribution: Streams of Magdalena, Catatumbo and Orinoco river basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus grixalvii Humboldt, 1805

Astroblepus grixalvii Humboldt, 1805a: 19, pl. 7. Type locality: Río Palacé, near Popayan, Colombia. Type(s): Whereabouts unknown.

Distribution: Cauca and Magdalena River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus guentheri (Boulenger, 1887)

Stygogenes guentheri Boulenger, 1887b: 348. Type locality: New Granada. Syntypes: BMNH 1880.2.26.18–25 (8).

Distribution: Andean streams of the Cauca and Magdalena River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus heterodon (Regan, 1908)

Arges heterodon Regan, 1908f: 799, pl. 49 (fig. 2, 2a, b). Type locality: Jimenez, western Colombia. Holotype: BMNH 1908.5.29.80.

Distribution: Pacific draining rivers of Colombia (Schaefer, 2003b).

Astroblepus homodon (Regan, 1904)

Arges homodon Regan, 1904b: 309, pl. 21 (fig. 1). Type locality: Villeta, Colombia, 3500 ft. Holotype: BMNH 1902.5.15.27.

Distribution: Andean streams of the Cauca and Magdalena River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus jurubidae Fowler, 1944

Astroblepus jurubidae Fowler, 1944b: 237, fig. 10–13. Type locality: clear brook, tributary to Río Jurubidá [north-western Colombia]. Holotype: ANSP 71431.

Distribution: Pacific draining rivers of Colombia (Schaefer, 2003b).

Astroblepus labialis Pearson, 1937

Astroblepus labialis Pearson, 1937: 95, pl. 13 (fig. 4). Type locality: Balsas, Peru. Syntypes: CAS 64617 (7).

Distribution: Marañón River basin, Peru (Schaefer, 2003b).

Astroblepus latidens Eigenmann, 1918

Astroblepus latidens Eigenmann, 1918b: 674. Type locality: Piperel, Colombia. Holotype: FMNH 58366; holotype illustrated in Eigenmann (1922: 228, pl. 6, fig. 3).

Distribution: Upper Meta River basin, Colombia (Schaefer, 2003b); and Suarez River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus longiceps Pearson, 1924

Astroblepus longiceps Pearson, 1924: 15, pl. 2 (fig. 5). Type locality: Río Colorado, Lower Bopi, Bolivia. Holotype: CAS 64618.

Distribution: Upper Madeira River basin of Bolivia and Peru (Schaefer, 2003b).

Astroblepus longifilis (Steindachner, 1882)

Arges longifilis Steindachner, 1882b: 177. Type locality: Río Huambo und de Tortora [Peru]. Syntypes (4): at NMW. Species described in more detail and illustrated in Steindachner (1882c: 19, pl. 5, figs. 3, 3a, 3b).

Distribution: Upper Huallaga River basin, Peru (Schaefer, 2003b); Magdalena and Cauca River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus mancoi Eigenmann, 1928

Astroblepus mancoi Eigenmann, in Myers, 1928: 85. Type locality: Río Comerciato, Urubamba, Peru, 1800 feet. Syntypes: CAS 64620 (5), MCZ 30969 (11), MCZ 30970 (3).

Distribution: Upper Ucayali River basin, Peru (Schaefer, 2003b).

Astroblepus mariae (Fowler, 1919)

Cyclopium mariae Fowler, 1919a: 125, pl. 8. Type locality: Brook near the small village of Choachi, 25 kilometers east of Bogota and at 1800 m. of altitude, Colombia. Holotype: ANSP 49368.

Distribution: Upper Meta River basin, Colombia (Schaefer, 2003b).

Astroblepus marmoratus (Regan, 1904)

Arges marmoratus Regan, 1904b: 314, pl. 21 (fig. 6). Type locality: St. Augustin, Andes of Colombia, 5000 ft. Syntypes: BMNH 1899.8.21.10–11 (2).

Distribution: Upper Orinoco River basin, Colombia (Schaefer, 2003b).

Astroblepus micrescens Eigenmann, 1918

Astroblepus grixalvii micrescens Eigenmann, 1918b: 677. Type locality: Quebrada de Agua Larga, western slope of the eastern Andes, north of Bogotá, Colombia. Holotype: FMNH 58376; holotype illustrated in Eigenmann (1922: 54, pl. 7, fig. 4).

Distribution: Upper Orinoco River basin (Schaefer, 2003b); widely distributed in Colombian Andes (Maldonado-Ocampo *et al.*, 2005).

Astroblepus mindoensis (Regan, 1916)

Cyclopium mindoense Regan, 1916: 80. Type locality: Mindo, western Ecuador. Holotype: BMNH 1916.8.1.1.

Distribution: Pacific coastal drainage of Ecuador (Schaefer, 2003b).

Astroblepus nicefori Myers, 1932

Astroblepus nicéfori Myers, 1932: 137. Type locality: Sonsón, Antioquia, Colombia. Holotype: SU 24796.

Distribution: Magdalena River basin (Schaefer, 2003b); Cauca River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus orientalis (Boulenger, 1903)

Arges orientalis Boulenger, 1903a: 601. Type locality: Albirregas and Milla rivers above Merida, Venezuela, 3500 m. altitude. Syntypes: BMNH 1903.6.30.81–89, USNM 133142.

Distribution: Lake Maracaibo drainage (Schaefer, 2003b).

Astroblepus peruanus (Steindachner, 1876)

Arges peruanus Steindachner, 1876: 601, pl. 9 (fig. 3–6). Type locality: Amable Maria, Peru. Syntypes: NMW 16974 (3).

Distribution: Upper Ucayali River basin, Peru (Schaefer, 2003b).

Astroblepus phelpsi Schultz, 1944

Astroblepus phelpsi Schultz, 1944c: 283, pl. 7 (fig. d). Type locality: Río Cobre above its mouth near La Grita, tributary of Río Quinta, latter tributary to Río La Grita, Catatumbo system, Venezuela. Holotype: USNM 121126.

Distribution: Lake Maracaibo drainage (Schaefer, 2003b).

Astroblepus pholeter Collette, 1962

Astroblepus pholeter Collette, 1962: 311, fig. 1–2. Type locality: Cave in Latas, 4 km north of Archidona, Napo Prov., eastern Ecuador. Holotype: USNM 196623.

Distribution: Napo River basin, Ecuador (Schaefer, 2003b).

Astroblepus pirrensis (Meek & Hildebrand, 1913)

Cyclopium pirrense Meek & Hildebrand, 1913: 83. Type locality: Río Cana, Cana, Panama. Holotype: FMNH 7586.

Distribution: Cana River basin, Panama (Schaefer, 2003b).

Astroblepus praeliorum Allen, 1942

Astroblepus praeliorum Allen, in Eigenmann & Allen, 1942: 169, pl. 13 (fig. 6–7). Type locality: Tarma; Palca; Oroya; Huancachupa Creek, Húanuco, Peru. Syntypes: CAS 7509 (4), CAS 16114 (82), CAS 16115 (2), CAS 47068 (10), CAS 47069 (1).

Distribution: Upper Marañon River basin, Peru (Schaefer, 2003b).

Astroblepus prenatalillus (Valenciennes, 1840)

Brontes prenatalilla Valenciennes, in Cuvier & Valenciennes, 1840b: 343 (255 of the Strasbourg deluxe edition), pl. 444. Type locality: des ruisseaux qui descendent du Cotopaxi [Ecuador], à 5000 mètres au-dessus du niveau de l’Ocean. Syntypes (2): MNHN a-4227 (1), MNHN a-5164 (1).

Distribution: Andes of Ecuador (Schaefer, 2003b).

Astroblepus regani (Pellegrin, 1909)

Arges regani Pellegrin, 1909c: 518. Type locality: [Río Cariyacu, Ecuador, elev. 3100 m]. Syntypes: MNHN 1903-0108 (1), MNHN 1903-0109 (2), MNHN 1903-0110 (3).

Distribution: Mira River basin and Pacific coastal drainage of Ecuador (Schaefer, 2003b).

Astroblepus rengifo Dahl, 1960

Astroblepus rengifo Dahl, 1960a: 459, unnumbered figure. Type locality: small brook, tributary to the Atrato River on the left side, approx. 6 ks. above the town El Carmen de Atrato, Colombia. Holotype: at ICNMHN, current whereabouts unknown.

Distribution: Atrato River basin, Colombia (Schaefer, 2003b).

Astroblepus retropinnus (Regan, 1908)

Arges retropinna Regan, 1908f: 800, pl. 48 (fig. 2). Type locality: Jimenez, western Colombia. Syntypes: BMNH 1908.5.29.81–82 (2).

Distribution: Dagua River basin and Pacific coastal drainage of Colombia (Schaefer, 2003b).

Astroblepus riberae Cardona & Guerao, 1994

Astroblepus riberae Cardona & Guerao, 1994: 21, fig. Type locality: Cueva de Ninabamba, Peru, 06.33°S, 78.51°W. Holotype: UAB unnumbered.

Distribution: Reque River basin and Pacific coastal drainage, Peru (Schaefer, 2003b).

Astroblepus rosei Eigenmann, 1922

Astroblepus rosei Eigenmann, 1922b: 55. Type locality: Río Jequetepeque, Llallán, Peru. Syntypes: CAS 64649 (11), FMNH 58640 (1).

Distribution: Pacific coastal drainages of Cajamarca, Peru (Schaefer, 2003b); widely distributed in Colombian Andes (Maldonado-Ocampo *et al.*, 2005).

Remarks: Eigenmann (1922: 55) stated that the type [= holotype] was a specimen deposited in the Indiana University collection, but eleven specimens were deposited there (now CAS 64649), and no indication was given in the publication as to which was the type. Therefore, all eleven, plus one specimen deposited in the Carnegie

Museum collection (now FMNH 58640), must be considered syntypes.

Astroblepus sabalo (Valenciennes, 1840)

Arges sabalo Valenciennes, in Cuvier & Valenciennes, 1840b: 335 (249 in Strasbourg deluxe edition), pl. 445. Type locality: le haut Pérou. Holotype: MNHN a-4226.

Distribution: Upper Ucayali River basin, Peru (Schaefer, 2003b).

Astroblepus santanderensis Eigenmann, 1918

Astroblepus cyclopus santanderensis Eigenmann, 1918b: 675. Type locality: Quebrada de Guapota, Colombia. Lectotype: FMNH 58433, designated by Henn (1928: 82).

Distribution: Magdalena River basin, Colombia (Schaefer, 2003b); Suarez River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Astroblepus simonsii (Regan, 1904)

Arges simonsii Regan, 1904b: 317, pl. 21 (fig. 9). Type locality: Huaras, Peru, elev. 10700 ft. Syntypes: BMNH 1900.6.20.51–55 (5).

Distribution: Santa River basin and Pacific coastal drainages of Peru (Schaefer, 2003b).

Astroblepus stuebeli (Wandolleck, 1916)

Arges stuebeli Wandolleck, 1916: 158, fig. 1–4. Type locality: Lake Titicaca. Syntypes (40): MTD F977, MTD F4639–87.

Distribution: Lake Titicaca basin (Schaefer, 2003b).

Astroblepus supramollis Pearson, 1937

Astroblepus supramollis Pearson, 1937: 94, pl. 13 (fig. 3). Type locality: Balsas, Peru. Syntypes: CAS 47012 (389), CAS 47015 (36), CAS 47022 (31).

Distribution: Marañón River basin, Peru (Schaefer, 2003b).

Astroblepus taczanowskii (Boulenger, 1890)

Arges taczanowskii Boulenger, 1890b: 451, pl. 41 (fig. 1). Type locality: Amable Maria, Peruvian Andes. Holotype: BMNH 1875.10.14.19.

Distribution: Upper Ucayali River basin, Peru (Schaefer, 2003b).

Astroblepus theresiae (Steindachner, 1907)

Arges theresiae Steindachner, 1907c: 228. Type locality: Hohen Anden von Cayendelet. Syntypes: NMW 48091 (10), NMW 92 (7).

Distribution: Pacific coastal drainages of Ecuador (Schaefer, 2003b).

Astroblepus trifasciatus (Eigenmann, 1912)

Cyclopium trifasciatum Eigenmann, 1912a: 14. Type locality: Caldas, Colombia. Holotype: FMNH 56076; holotype illustrated in Eigenmann (1922: 52, fig. 15; pl. 6, fig. 6).

Distribution: Dagua River basin and Pacific coastal drainages of Colombia (Schaefer, 2003b); also Magdalena and Cauca River basins (Maldonado-Ocampo *et al.*, 2005).

Astroblepus ubidiai (Pellegrin, 1931)

Cyclopium ubidiai Pellegrin, 1931b: 114. Type locality: [Lac St. Paul, near Otavalo, Imbabura Prov.,] Equateur, elev. 2600 m. Syntypes: MNHN 1930-0172 (1), MNHN 1930-0173 (1).

Distribution: Mira River basin and Pacific coastal drainages of Ecuador (Schaefer, 2003b; Vélez-Espino, 2003).

Astroblepus unifasciatus (Eigenmann, 1912)

Cyclopium unifasciatum Eigenmann, 1912a: 15. Type locality: Caldas, Colombia. Holotype: FMNH 56079; holotype illustrated in Eigenmann (1922: 52, pl. 7, fig. 2).

Distribution: Dagua River basin and Pacific coastal drainages of Colombia (Schaefer, 2003b); also Magdalena and Cauca River basins (Maldonado-Ocampo *et al.*, 2005).

Astroblepus vaillanti (Regan, 1904)

Arges vaillanti Regan, 1904b: 312. Type locality: Huamani Peak, Ecuador, elev. 10700 ft. Syntypes: BMNH 1897.2.16.2–4 (3).

Distribution: Pacific coastal drainages of Ecuador (Schaefer, 2003b).

Astroblepus vanceae (Eigenmann, 1913)

Cyclopium vanceae Eigenmann, 1913: 421, pl. 32 (fig. 2). Type locality: Small stream in highlands, southeast of

Tarma, Peru. Holotype: FMNH 56066.

Distribution: Upper Ucayali River basin, Peru (Schaefer, 2003b).

Astroblepus ventralis (Eigenmann, 1912)

Cyclopium ventrale Eigenmann, 1912a: 15. Type locality: Caldas, Colombia. Holotype: FMNH 56074.

Distribution: Dagua River basin and Pacific coastal drainage of Colombia (Schaefer, 2003b).

Astroblepus whymperei (Boulenger, 1890)

Arges whymperei Boulenger, 1890b: 451, pl. 41 (fig. 2). Type locality: Milligalli, Andes of Ecuador. Holotype: BMNH 1887.1.7.1.

Distribution: Esmeraldas River basin and other Pacific coastal drainages of Ecuador (Schaefer, 2003b).

AUCHENIPTERIDAE Bleeker, 1862

Euanemini Bleeker, 1858b: 49, 189. Type genus: *Euanemus* Müller & Troschel, 1842.

Trachelyopterini Bleeker, 1858b: 49, 250, 257. Type genus: *Trachelyopterus* Valenciennes, 1840.

Ageneiosi Bleeker, 1862 (in Bleeker, 1862–63): 14. Type genus: *Ageneiosus* La Cepède, 1803.

Astrophysi [= Asterophysis] Bleeker, 1862 (in Bleeker, 1862–63): 7. Type genus: *Asterophysus* Kner, 1857.

Auchenipterini Bleeker, 1862 (in Bleeker, 1862–63): 14. Type genus: *Auchenipterus* Valenciennes, 1840.

Centromochli Bleeker, 1862 (in Bleeker, 1862–63): 7. Type genus: *Centromochlus* Kner, 1857.

Pseudauchenipterini Bleeker, 1862 (in Bleeker, 1862–63): 6. Type genus: *Pseudauchenipterus* Bleeker, 1862.

Taxonomic summary: Britski (1972), Soares-Porto (1998, Centromochlinae), Ferraris (2003d).

Reviews: Mees (1974, Guianas).

Phylogeny: Ferraris (1988b), Curran (1989), Soares-Porto (1998, Centromochlinae), Royero (1999), Diogo *et al.* (2003c).

20 genera, 94 species; no named fossil taxa.

AGENEIOSUS La Cepède, 1803

Ageneiosus La Cepède, 1803: 132. Type species: *Ageneiosus armatus* La Cepède, 1803. Type by subsequent designation by Eigenmann & Eigenmann (1890: 299). Gender: Masculine. Earlier type designation by Bleeker (1862–63: 14) of “*Ageneiosus militaris* Blkr (nec Val.) = *Silurus militaris* Bl.” not based on one of the originally included species and therefore not valid.

Ceratorhynchus Spix & Agassiz, 1829: 10. Type species: *Silurus militaris* [= ? *Silurus militaris* of Bloch, nec Linnaeus]. Type by monotypy. Gender: Masculine.

Agenius Agassiz, 1846: 11. Type species: *Ageneiosus armatus* La Cepède, 1803. Gender: Masculine. Unjustified emendation of *Ageneiosus*, therefore taking the same type species.

Davalla Bleeker, 1858b: 58, 64. Type species: *Davalla schomburgkii* Bleeker, 1858. Type by monotypy. Gender: Feminine.

Pseudogeneiosus Bleeker, 1862 (in Bleeker, 1862–63): 14. Type species: *Ageneiosus brevifilis* Valenciennes, 1840. Type by original designation. Gender: Masculine.

Tympanopleura Eigenmann, 1912b: 203. Type species: *Tympanopleura piperata* Eigenmann, 1912. Type by original designation. Gender: Feminine.

Remarks: Genus revised, with key to species, in Walsh (1990).

Ageneiosus atronatus Eigenmann & Eigenmann, 1888

Ageneiosus atronatus Eigenmann & Eigenmann, 1888b: 149. Type locality: Exact locality unknown. Holotype: MCZ 27270.

Ageneiosus melanopogon Miranda Ribeiro, 1917: 51. Type locality: Fluvio Solimões [Brazil]. Holotype: Whereabouts unknown.

Tympanopleura nigricollis Eigenmann & Allen, 1942: 139, pl. 5 (figs. 2–3), 6 (fig. 3). Type locality: Iquitos [Peru]. Holotype: CAS 57940.

Distribution: Middle and upper Amazon River basin (Walsh, 1990).

Ageneiosus brevis Steindachner, 1881

Ageneiosus brevis Steindachner, 1881d: 16. Type locality: Amazonenstrom bei Coary und aus dem Hyavary [Brazil]. Syntypes (4): NMW 47801 (2).

Ageneiosus rondoni Miranda Ribeiro, 1914: 12, pl. 1 (fig. 3). Type locality: Rio Negro (Manáos) [Brazil]. Lectotype: MNRJ 962A, designated by Miranda Ribeiro (1953: 394).

Ageneiosus madeirensis Fisher, 1917: 426, pl. 42. Type locality: San Joaquín, Bolivia. Holotype: FMNH 58143.

Tympanopleura alta Eigenmann & Myers, in Myers, 1928: 85. Type locality: Iquitos, Rio Marañon, Peru. Holotype: CAS 58258.

Distribution: Upper Amazon River basin (Walsh, 1990).

Ageneiosus inermis (Linnaeus, 1766)

Silurus inermis Linnaeus, 1766: 503. Type locality: Surínam. Type (s): Whereabouts unknown.

Ageneiosus armatus La Cépède, 1803: 132, 133. Type locality: les eaux de Surinam, et peut-etre dans celles des grandes Indes. Types: On Bloch (1794: 19, pl. 362); *Silurus militaris* Linné; and others.

Ageneiosus brevifilis Valenciennes, in Cuvier & Valenciennes, 1840b: 242 (180 in Strasbourg deluxe edition). Type locality: Cayenne [but interpreted as having come from Suriname by Boeseman (1972: 303)]. Holotype: RMNH 2975 (larger of 2).

Hypothalmus dawalla Jardine, in Schomburgk, 1841: 191, pl. 9. Type locality: Junction of Rupununi and Essequibo [Guyana], and Fort St. Joaquim, in the Rio Bronco. No types known. Name spelled *Hypothalmus davalla* on plate; *H. dawalla* in text; first reviser not found.

Davalla Schomburgkii Bleeker, 1858b: 64. Type locality: Junction of Rupununi and Essequibo [Guyana], and Fort St. Joaquim, in the Rio Bronco. No types known. Unneeded replacement for *Hypothalmus dawalla* Jardine, 1841.

Ageneiosus axillaris Günther, 1864: 431. Type locality: Surinam. Holotype: BMNH 1864.6.2.2.

Ageneiosus sebae Günther, 1864: 192. Type locality: Suriname. Syntypes: On specimen(s) described as *Ageneiosus inermis* in Cuvier & Valenciennes (1840b: 240 (178 in Strasbourg deluxe edition), pl. 440) and specimen illustrated in Seba (1734–65: pl. 29, fig. 8).

? *Ageneiosus (Pseudogeneiosus) therezinae* Steindachner, 1909b: 341. Type locality: Rio Parnahyba und Rio Puty bei Therezina [Brazil]. Syntypes: NMW 47840–41 (2 of “several”).

Ageneiosus ogilviei Fowler, 1914: 266, fig. 15. Type locality: Rupununi River, British Guiana ... in the highlands of British Guiana, approximately secured in North Latitude 2° to 3°, and West Longitude 50°20'. Holotype: ANSP 39343.

Ageneiosus gabardinii Risso & Risso, 1964b: 12, pl. 3 (fig. 1). Type locality: Río Paraná, a la altura de la Ciudad de Corrientes [Argentina]. Holotype: Mus. Cienc. Nat. del Chaco 3, VI-63-2.

Distribution: Widely distributed in South America, east of the Andes (Walsh, 1990).

Ageneiosus magoi Castillo & Brull, 1989

Ageneiosus magoi Castillo & Brull, 1989: 73, fig. 1–2. Type locality: Los esteros de Camaguán, km 270, Estado Guárico [Venezuela]. Holotype: MBUCV V-15666.

Distribution: Orinoco basin of Venezuela (Ferraris, 2003d).

Ageneiosus marmoratus Eigenmann, 1912

Ageneiosus marmoratus Eigenmann, 1912b: 206, pl. 22 (fig. 1). Type locality: Creek below Potaro Landing, British Guiana. Holotype: FMNH 53245.

? *Ageneiosus barranquerensis* Risso & Risso, 1964b: 11, pl. 2. Type locality: frente a la desembocadura del Río Negro, Riacho Barranqueras [Argentina]. Holotype: Mus. Cien. Nat. del Chaco 11, III-63.

Distribution: Widely distributed in South America east of the Andes mountains (Walsh, 1990).

Ageneiosus militaris Valenciennes, 1836

Ageneiosus militaris Valenciennes, 1836, in Valenciennes, 1835–47: pl. 4 (fig. 1). Type locality: [not stated]. Holotype: possibly MNHN b-0690 (1), MNHN b-0691 (1), or MNHN b-3167 (1). Name available from plate (illustrated specimen is holotype, if identifiable); later described in Cuvier & Valenciennes (1840b: 233; 173 in Strasbourg deluxe edition), with type locality as: La Plata.

Ageneiosus valenciennesi Bleeker, 1864a: 82. Type locality: La Plata. Holotype: Possibly MNHN b-0690, MNHN

b-0691, or MNHN b-3167. New name for *Ageneiosus militaris* Valenciennes.

Silurus 38-radiatus Larrañaga, 1923: 386. Type locality: Uruguay. No types known.

Silurus imberbis Larrañaga, 1923: 376. Type locality: Uruguay. No types known. Either based on, or preoccupied by, *Silurus imberbis* Gmelin, 1789.

Ageneiosus uruguayensis Devincenzi, 1933: 3, pl. 1. Type locality: Río Uruguay frente a Paysandú [Uruguay]. Holotype: MHNM CI 317.

Ageneiosus marquesi Risso & Risso, 1964b: 20, pl. 6 (fig. 1). Type locality: Río Paraná, frente al tanque de obras Sanitarias de la ciudad de Corrientes, Argentina. Holotype: Mus. Cienc. Nat. del Chaco 12-V-64-1.

Distribution: La Plata River basin (Walsh, 1990).

Ageneiosus pardalis Lütken, 1874

Ageneiosus pardalis Lütken, 1874b: 190. Type locality: Caraccas [apparently in error, S. Walsh (1990, and pers. comm.)]. Holotype: ZMUC P 29664.

Ageneiosus caucanus Steindachner, 1880b: 61, pl. 6 (figs. 1, 1a). Type locality: [Río] Cauca [Colombia]. Syntypes: NMW 47811 (2).

Ageneiosus virgo Posada, 1909: 295. Type locality: [Río] Magdalena [Colombia]. Type(s): Whereabouts unknown.

Ageneiosus freiei Schultz, 1944c: 240, pl. 4 (fig. b). Type locality: Río Agua Caliente, 2 to 3 km above Lago Maracaibo [Venezuela]. Holotype: USNM 121260.

Distribution: Lake Maracaibo basin and Magdalena, Cauca, San Juan, and Tuirá River basins (Walsh, 1990).

Ageneiosus piperatus (Eigenmann, 1912)

Tympanopleura piperata Eigenmann, 1912b: 203, pl. 20 (fig. 3). Type locality: Crab Falls [Essequibo River], British Guiana. Holotype: FMNH 53243.

Distribution: Essequibo and upper Negro rivers near confluence of Branco River (Walsh, 1990).

Ageneiosus polystictus Steindachner, 1915

Ageneiosus polystictus Steindachner, 1915b: 217. Type locality: [not stated]. Holotype: NMW 47839. Illustrated and described in more detail in Steindachner (1915e: 84, pl. 7, figs. 1–3), as *Agenciosus polystictus*, with origin of specimen reported as “Mündung des Rio Negro.”

Distribution: Negro River and lower Branco River, Brazil (Walsh, 1990).

Ageneiosus ucayalensis Castelnau, 1855

Ageneiosus ucayalensis Castelnau, 1855: 49, pl. 17 (fig. 2). Type locality: un lac, près de l’Ucayale, et qui communiquait avec cette rivière [Peru]. Holotype: MNHN b-0611.

? *Ageneiosus dentatus* Kner, 1857: 441. Type locality: Surinam. Syntypes: NMW 47823 (6).

? *Ageneiosus porphyreus* Cope, 1867: 404. Type locality: Surinam. Lectotype: ANSP 8389, designated by Fowler (1915a: 224).

? *Ageneiosus parnaguensis* Steindachner, 1910c: 399, figured on p. 400. Type locality: see von Lake Parnaguá in brasílienischen Staate Piauhy [Brazil]. Syntypes: NMW 47832 (1), NMW 47837 (1), NMW 47838 (2).

? *Ageneiosus guianensis* Eigenmann, 1912b: 204, pl. 21 (fig. 2). Type locality: Wismar, British Guiana. Holotype: FMNH 53247.

Distribution: Amazon and Orinoco River basins; Guianas, and upper Paraná River basin (Walsh, 1990).

Ageneiosus vittatus Steindachner, 1908

Ageneiosus vittatus Steindachner, 1908b: 64. Type locality: Rio Purus [Brazil]. Holotype: NMW 47853.

Distribution: Middle Orinoco and upper Amazon River basins (Walsh, 1990).

ASTEROPHYSUS Kner, 1857

Asterophysus Kner, 1857: 402. Type species: *Asterophysus batrachus* Kner, 1857. Type by monotypy. Gender: Masculine.

Astrophysus Bleeker, 1858b: 356, 358. Type species: *Asterophysus batrachus* Kner, 1857. Type by being a replacement name. Gender: Masculine. Unjustified emendation of *Asterophysus* Kner, 1857.

Asterophysus batrachus Kner, 1857

Asterophysus batrachus Kner, 1857: 403, pl. 5 (fig. 13). Type locality: Marabitanos [Brazil]. Syntypes: NMW 47515–16 (2).

Distribution: Orinoco and Negro River basins, Brazil and Venezuela (Ferraris, 2003d).

AUCHENIPTERICHTHYS Bleeker, 1862

Auchenipterichthys Bleeker, 1862 (in Bleeker, 1862–63): 7. Type species: *Auchenipterus thoracatus* Kner, 1857. Type by original designation. Gender: Masculine.

Revision: Ferraris *et al.* (2005).

Auchenipterichthys coracoideus (Eigenmann & Allen, 1942)

Trachycorystes coracoideus Eigenmann & Allen, 1942: 120. Type locality: Iquitos [Peru]. Syntypes: CAS 63746 (3).

Distribution: Amazon River basin and Araguaia River of the Tocantins basin (Ferraris *et al.*, 2005).

Auchenipterichthys longimanus (Günther, 1864)

Auchenipterus longimanus Günther, 1864: 195. Type locality: River Capin, Para [Brazil]. Syntypes: BMNH 1849.11.8.11 (3).

Distribution: Lower and middle Amazon, Tocantins, and Orinoco river basins (Ferraris *et al.*, 2005).

Remarks: Syntype register number misreported in Eschmeyer *et al.* (1998) as BMNH 1849.121.8.? BMNH 1849.11.8.? and Ferraris (2003d) as BMNH 1849.121.8.

Auchenipterichthys punctatus (Valenciennes, 1840)

Auchenipterus punctatus Valenciennes, in Cuvier & Valenciennes, 1840b: 219 (163 in Strasbourg deluxe edition).

Type locality: Probablement du Brésil. Holotype: MNHN b-0216; illustrated in Royero & Hureau (1996: fig. 3).

Auchenipterichthys dantei Soares-Porto, 1994: 282, fig. 3. Type locality: Brazil, Amazonas, Paricatuba, Rio Negro (3°07'S, 60°26'W). Holotype: MZUSP 43332.

Distribution: Upper Orinoco River and Upper Amazon River basins, including the Negro River (Ferraris *et al.*, 2005).

Auchenipterichthys thoracatus (Kner, 1857)

Auchenipterus thoracatus Kner, 1857: 425, pl. 7 (fig. 22). Type locality: Rio Guaporé. Syntypes: NMW 47454 (2).

Auchenipterus thoracicus Günther, 1864: 194. Type locality: Rio Guaporé. Syntypes: NMW 47454 (2). Unjustified emendation of *Auchenipterus thoracatus* Kner, 1857.

Distribution: Upper Madeira River basin (Ferraris *et al.*, 2005).

Remarks: Syntype register number incorrectly reported as NMW 47452 in Eschmeyer *et al.* (1998) and Ferraris (2003d).

AUCHENIPTERUS Valenciennes, 1840

Auchenipterus Valenciennes, in Cuvier & Valenciennes, 1840b: 207 (154 in Strasbourg deluxe edition). Type species: *Hypophthalmus nuchalis* Spix & Agassiz, 1829. Type by subsequent designation by Bleeker (1862–63: 15). Gender: Masculine.

Euanemus Müller & Troschel, in Müller, 1842a: 203. Type species: *Euanemus colymbetes* Müller & Troschel, 1842. Type by monotypy. Gender: Masculine. Also as new in Müller (1842b: 320). Priority of publication not established.

Auchenopterus Agassiz, 1846: 40. Type species: *Hypophthalmus nuchalis* Spix & Agassiz, 1829. Type by being a replacement name. Gender: Masculine. Unjustified emendation of *Auchenipterus* Valenciennes, 1840.

Ceratocheilus Miranda Ribeiro, 1918d: 644. Type species: *Ceratocheilus osteomystax* Miranda Ribeiro, 1918. Type by monotypy. Gender: Masculine. Preoccupied by *Ceratocheilus* Wesché, 1810, in Diptera, replaced by *Osteomystax* Whitley, 1940.

Osteomystax Whitley, 1940a: 242. Type species: *Ceratocheilus osteomystax* Miranda Ribeiro, 1918. Type by being a replacement name. Gender: Masculine. Replacement for *Ceratocheilus* Miranda Ribeiro, 1918, preoccupied by *Ceratocheilus* Wesché, 1810, in Diptera.

Remarks: Revised, with a key to species, in Ferraris & Vari (1999).

Auchenipterus ambyiacus Fowler, 1915

Auchenipterus ambyiacus Fowler, 1915a: 222, fig. 6. Type locality: Ambyiacu River, Ecuador. Holotype: ANSP 21484.

- Distribution: Upper and middle Amazon and Orinoco River basins, coastal rivers of Guyana (Ferraris & Vari, 1999).
- Auchenipterus brachyurus*** (Cope, 1878)
Euanemus brachyurus Cope, 1878: 676. Type locality: Peruvian Amazon. Holotype: ANSP 21552.
 Distribution: Upper Amazon River basin (Ferraris & Vari, 1999).
- Auchenipterus brevior*** Eigenmann, 1912
Auchenipterus brevior Eigenmann, 1912b: 202. Type locality: Tumatumari, British Guiana. Holotype: FMNH 53249.
 Distribution: Potaro River basin, Guyana (Ferraris & Vari, 1999).
- Auchenipterus britskii*** Ferraris & Vari, 1999
Auchenipterus britskii Ferraris & Vari, 1999: 414, figs. 10–11. Type locality: Lago Janauacá, vicinity of Rio Solimões (approx. 3°28'S, 60°17'W), Amazonas, Brazil. Holotype: MZUSP 48358.
 Distribution: Middle Amazon River, Brazil (Ferraris & Vari, 1999).
- Auchenipterus demerarae*** Eigenmann, 1912
Auchenipterus demerarae Eigenmann, 1912b: 202, pl. 21 (fig. 1). Type locality: Wismar, British Guiana. Holotype: FMNH 53248; holotype illustrated in Ferraris & Vari (1999: fig. 12).
 Distribution: Demerara, Rupununi, Essequibo and Cuyuni River basins (Ferraris & Vari, 1999).
- Auchenipterus dentatus*** Valenciennes, 1840
Auchenipterus dentatus Valenciennes in Cuvier & Valenciennes, 1840b: 210 (156 in Strasbourg deluxe edition).
 Type locality: envoyé de Cayenne [apparently originating from vicinity of Paramaribo, Suriname]. Holotype: MNHN b-0592.
Euanemus colymbetes Müller & Troschel, in Müller, 1842: 203. Type locality: Suriname. Lectotype: ZMB 3095, designated by Ferraris & Vari (1999). Also indicated as new, with one syntype illustrated, in Müller & Troschel (1849: 11, pl. 1, fig. 2).
 Distribution: Northern coastal rivers of South America: Corantijn, Suriname, Arataye, Sinnamary and Oyapock rivers (Ferraris & Vari, 1999).
- Auchenipterus fordicei*** Eigenmann & Eigenmann, 1888
Auchenipterus fordicei Eigenmann & Eigenmann, 1888b: 151. Type locality: Coary [Brazil]. Holotype: MCZ 7289.
 Distribution: Middle Amazon River basin, Brazil (Ferraris & Vari, 1999).
- Auchenipterus menezesi*** Ferraris & Vari, 1999
Auchenipterus menezesi Ferraris & Vari, 1999: 426, fig. 17. Type locality: Lago de Viana, Rio Pindaré, Mirim basin, Maranhão, Brazil. Holotype: MZUSP 43591.
 Distribution: Parnaíba and Pindaré-Mirim River basins of Maranhão and Piauí States (Ferraris & Vari, 1999).
- Auchenipterus nigripinnis*** (Boulenger, 1895)
Euanemus nigripinnis Boulenger, 1895b: 524. Type locality: Paraguay. Lectotype: BMNH 1895.5.17.37, designated by Ferraris & Vari (1999); one syntype illustrated in Boulenger (1896c: pl. 4, figs. 2, 2a).
Auchenipterus paysanduanus Devincenzi, 1933: 2. Type locality: Río Uruguay, frente a Paysandú, Uruguay. Holotype: MNHM 4889; illustrated in Ferraris & Vari (1999: fig. 20).
 Distribution: La Plata River basin (Ferraris & Vari, 1999).
- Auchenipterus nuchalis*** (Spix & Agassiz, 1829)
Hypophthalmus nuchalis Spix & Agassiz, 1829: 17, pl. 17. Type locality: Brasilia aequatoriali [now: Rio Capim, near São Domingos do Capim, Brazil, by neotype designation]. Neotype: MZUSP 47945, illustrated in, and designated by, Ferraris & Vari (1999: fig. 21).
 Distribution: Lower Amazon and Tocantins rivers northward to Marowijne River; possibly also in Rupununi River, Guyana, and Negro River, Brazil (Ferraris & Vari, 1999).
- Auchenipterus osteomystax*** (Miranda Ribeiro, 1918)
Ceratocheilus osteomystax Miranda Ribeiro, 1918d: 644, unnumbered pl. Type locality: Santa Rita das Antas, Rio Vermelho, Goyaz [Brazil]. Holotype: MZUSP 2317.
 Distribution: La Plata River basin, Tocantins River, and several rivers of lower Amazon River basin (Ferraris & Vari, 1999).

CENTROMOCHLUS Kner, 1857

Centromochlus Kner, 1857: 430. Type species: *Centromochlus megalops* Kner, 1857. Type by subsequent designation by Bleeker (1862–63: 7). Gender: Masculine.

Remarks: Included species follows Soares-Porto (1998), except for continued recognition of *Gelanoglanis*.

Centromochlus altae Fowler, 1945

Centromochlus altae Fowler, 1945a: 109, figs. 7–9. Type locality: Morelia, Río Caquetá basin, Colombia. Holotype: ANSP 71700.

Distribution: Caquetá River basin, Colombia (Ferraris, 2003d).

Centromochlus concolor (Mees, 1974)

Tatia concolor Mees, 1974: 84, fig. 22. Type locality: Headwaters of Coppename Rivier [sic] (3°49'N, 56°57'W), Suriname. Holotype: ZMA 106210.

Distribution: Coppename River basin, Suriname (Ferraris, 2003d).

Centromochlus existimatus Mees, 1974

Centromochlus existimatus Mees, 1974: 50, fig. 8 (right). Type locality: Harbour of Manaus [Brazil]. Holotype: ANSP 73154.

Distribution: Amazon River basin (Ferraris, 2003d).

Centromochlus heckelii (De Filippi, 1853)

Auchenipterus Heckelii De Filippi, 1853: 167. Type locality: Rio Napo. Syntype: ZMUT 233.

Centromochlus Steindachneri Gill, 1870: 95. Type locality: Marañon River, upper Amazon and Napo Rivers. Type(s): at USNM, but not found (Ferraris & Vari, 1992).

Distribution: Amazon and Orinoco River basins (Ferraris, 2003d).

Centromochlus macracanthus Soares-Porto, 2000

Centromochlus macracanthus Soares-Porto, 2000: 282, fig. 1. Type locality: Brazil: Amazonas: São Pedro, rio Negro. Holotype: MZUSP 30620.

Distribution: Upper Negro River basin, Brazil (Soares-Porto, 2000).

Centromochlus perugiae Steindachner, 1882

Centromochlus Perugiae Steindachner, 1882b: 178. Type locality: Canelos [Ecuador]. Syntypes: NMW 47358 (3), SMF 5355 (1). Species illustrated and described in more detail in Steindachner (1882c: 29, pl. 7, figs. 2, 2a).

Distribution: Upper Amazon River basin (Ferraris, 2003d).

Remarks: Wrongly listed as *Tatia perugiae* by Ferraris (2003d).

Centromochlus punctatus (Mees, 1974)

Tatia punctata Mees, 1974: 88, fig. 24. Type locality: Creeks between Kabel and Lombé [Suriname]. Holotype: RMNH 26495.

Distribution: Coastal rivers of northern South America, above Amazon River mouth (Ferraris, 2003d).

Centromochlus reticulatus (Mees, 1974)

Tatia reticulata Mees, 1974: 90, fig. 25. Type locality: Karanambo, Rupununi, British Guiana. Holotype: BMNH 1972.7.27.702.

Distribution: South America: Rupununi River basin, Guyana (Ferraris, 2003d).

Centromochlus romani (Mees, 1988)

Tatia romani Mees, 1988a: 412, fig. 3. Type locality: Río Guarapiche, affluent of the Río San Juan, near Maturín, Monagas [Venezuela]. Holotype: RMNH 30490.

Distribution: San Juan River, Orinoco Basin, Venezuela (Ferraris, 2003d).

Centromochlus schultzi Rössel, 1962

Centromochlus schultzi Rössel, 1962a: 27, fig. 1. Type locality: Brasilien, oberer Rio Xingu. Holotype: SMF 5462.

Distribution: Upper Xingu and Tocantins River basins (Ferraris, 2003d).

Species inquirenda, Centromochlus

Centromochlus megalops Kner, 1857: 430, pl. 8 (fig. 24). Type locality: Bogota. Syntypes: NMW 47359 (1), NMW 47360 (1).

ENTOMOCORUS Eigenmann, 1917

Entomocorus Eigenmann, 1917a: 403. Type species: *Entomocorus benjamini* Eigenmann, 1917. Type by monotypy.
Gender: Masculine.

Entomocorus benjamini Eigenmann, 1917

Entomocorus benjamini Eigenmann, 1917a: 403, fig. 3, pl. 41. Type locality: San Joaquin [Bolivia]. Holotype: FMNH 58109.

Distribution: Upper Madeira River basin, Bolivia (Ferraris, 2003d).

Entomocorus gameroi Mago-Leccia, 1984

Entomocorus gameroi Mago-Leccia, 1984: 217, figs. 1–6. Type locality: Boca del Río Apurito en el Río Apuré, cerca de San Fernando de Apuré, Guárico State, Venezuela. Holotype: MBUCV V-13808.

Distribution: Apuré River basin, Orinoco River drainage, Venezuela (Ferraris, 2003d).

Entomocorus melaphareus Akama & Ferraris, 2003

Entomocorus melaphareus Akama & Ferraris, 2003: 78, figs. 1–2. Type locality: Brazil, Pará, Monte Alegre, Costa do Curuá, left bank of Amazon River, 2°13'46.2"S, 54°01'27.6"W. Holotype: MZUSP 76413.

Distribution: Lower and Middle Amazon River (Akama & Ferraris, 2003).

EPAPTERUS Cope, 1878

Epapterus Cope, 1878: 677. Type species: *Epapterus dispilurus* Cope, 1878. Type by monotypy. Gender: Masculine.
Revision, with a key to species: Vari & Ferraris (1998).

Epapterus blohmi Vari, Jewett, Taphorn & Gilbert, 1984

Epapterus blohmi Vari, Jewett, Taphorn & Gilbert, 1984: 463, fig. 1. Type locality: Laguna Los Guácimos, a broad shallow lagoon located on Fundo Pecuario Masaguaral, Guarico State, Venezuela, 8°34'N, 67°35'W. Holotype: MBUCV V-14100.

Distribution: Orinoco River basin and Tuy River of the Caribbean coast of Venezuela (Vari & Ferraris, 1998).

Epapterus dispilurus Cope, 1878

Epapterus dispilurus Cope, 1878: 677. Type locality: Peruvian Amazon. Lectotype: ANSP 21353, designated by Fowler (1941b: 468, fig. 26) in caption to illustration.

Euanemus longipinnis Steindachner, 1881d: 17. Type locality: Hyavary. Lectotype: NMW 46682.1 (93 m SL), designated by Vari & Ferraris (1998: 992).

Epapterus chaquensis Risso & Risso, 1962: 5, figs. 1–3. Type locality: La laguna concida como “del Golf,” en la proximidades de la ciudad de Resistencia, Provincia del Chaco, Argentina. Holotype: Univ. Nac. del Nordeste [Argentina] 17/VII/961-1.

Distribution: Central and western parts of the Amazon River basin along and south of the main channel of the Amazon River, and Paraguay River basin in Paraguay, northern Argentina and southern Brazil (Vari & Ferraris, 1998).

GELANOGLANIS Böhlke, 1980

Gelanoglanis Böhlke, 1980: 150. Type species: *Gelanoglanis stroudi* Böhlke, 1980. Type by original designation.
Gender: Masculine.

Gelanoglanis nanonoticolus Soares-Porto, Walsh, Nico & Netto, 1999

Gelanoglanis nanonoticolus Soares-Porto, Walsh, Nico & Netto, 1999: 65, fig. 1. Type locality: Venezuela: Amazonas State: Río Asisa 22–30 km upstream from confluence with Río Paru, Río Ventuari drainage, Orinoco River basin (approximately 4°33'N, 65°54'W). Holotype: MCNG 22690.

Distribution: Asisa River basin in Orinoco drainage, Venezuela, and Negro River basin, Brazil (Soares-Porto *et al.*, 1999).

Gelanoglanis stroudi Böhlke, 1980

Gelanoglanis stroudi Böhlke, 1980: 152, fig. 1. Type locality: Colombia, Depto. Meta, Río Metica, ca. 22 km (air) SW of Puerto Lopez and 3 km SE of Hacienda Mozambique, 3°56'42"N, 73°02'23"W. Holotype: ANSP 142937.

Distribution: Meta, Apure and Masparro River basins, Colombia and Venezuela (Provenzano, 1997).

GLANIDIUM Lütken, 1874

Glanidium Lütken, 1874c: 31. Type species: *Glanidium albescens* Reinhardt, 1874. Type by monotypy. Gender: Neuter.

Gephyromochlus Hoedeman, 1961: 135. Type species: *Centromochlus (Gephyromochlus) leopardus* Hoedeman, 1961. Type by monotypy. Gender: Masculine.

Glanidium albescens Reinhardt, 1874

Glanidium albescens Reinhardt, in Lütken, 1874c: 31. Type locality: in flumine Rio das Velhas cum affluentibus [Brazil]. Syntypes: MNHN 0000-9571 (1), NMW 46572 (1), ZMB 9176 (1), ZMUC P 29670–29675 (1 each).

Distribution: Das Velhas River basin, Brazil (Ferraris, 2003d).

Glanidium bockmanni Sarmiento-Soares & Buckup, 2005

Glanidium bockmanni Sarmiento-Soares & Buckup, 2005: 847, fig. 1. Type locality: Brazil, Minas Gerais state, Rio São Francisco, downstream from Três Marias Dam. Holotype: MZUSP 82803.

Distribution: São Francisco River basin, Brazil (Sarmiento-Soares & Buckup, 2005).

Glanidium catharinensis Miranda Ribeiro, 1962

Glanidium catharinensis Miranda Ribeiro, 1962a: 3, fig. 2. Type locality: Rio do Braço do Norte, São Ludgero, Município de Tubarão, Estado de Santa Catarina [Brazil]. Holotype: MNRJ 5169.

Distribution: Tubarão River basin in Santa Catarina State, Brazil (Ferraris, 2003d).

Glanidium cesarpintoi Ihering, 1928

Glanidium cesarpintoi Ihering, 1928b: 46, fig. 1. Type locality: Cachoeira de Emas (Pirassununga), Rio Mogy-guassú, Est. de S. Paulo [Brazil]. Syntypes (3): whereabouts unknown.

Distribution: Mogi-guassú River basin, São Paulo State, Brazil (Ferraris, 2003d).

Glanidium leopardum (Hoedeman, 1961)

Centromochlus (Gephyromochlus) leopardus Hoedeman, 1961: 135, fig. 3. Type locality: Litany River, village Aloiké, sta. 295 [French Guiana]. Holotype: ZMA 102233.

Distribution: Coastal rivers of the Guianas (Ferraris, 2003d).

Glanidium melanopteron Miranda Ribeiro, 1918

Glanidium melanopteron Miranda Ribeiro, 1918d: 643. Type locality: Piquete, S. Paulo [Brazil]. Lectotype: MZUSP 345, designated in Britski (1969).

Distribution: Piquete, São Paulo, Brazil (Ferraris, 2003d).

Glanidium ribeiroi Haseman, 1911

Glanidium ribeiroi Haseman, 1911b: 381, pl. 78. Type locality: Porto União da Victoria, Paraná, Brazil, from Rio Iguassú. Holotype: FMNH 54253.

Distribution: Iguaçu River basin (Ferraris, 2003d).

LIOSOMADORAS Fowler, 1940

Liosomadoras Fowler, 1940a: 226. Type species: *Liosomadoras morrowi* Fowler, 1940. Type by original designation. Gender: Masculine.

Liosomadoras morrowi Fowler, 1940

Liosomadoras morrowi Fowler, 1940a: 226, figs. 11–14. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68646.

Distribution: Ucayali River basin, Peru (Ferraris, 2003d).

Liosomadoras oncinus (Jardine, 1841)

Arius oncinus Jardine, in Schomburgk, 1841: 173, pl. 4. Type locality: Padauri River. No types known. Name spelled *Arius oncina* on figure caption, *A. oncinus* in text. Mees (1978a) served as first reviser in treating *Liosomadoras oncinus* as valid.

Distribution: Negro and Branco River basins, Brazil (Ferraris, 2003d); Venezuela (Taphorn *et al.*, 1997); Orinoco River basin (Royero, 1999).

PSEUDAUCHENIPTERUS Bleeker, 1862

Pseudauchenipterus Bleeker, 1862 (in Bleeker, 1862–63): 6. Type species: *Silurus nodosus* Bloch, 1794. Type by

original designation. Gender: Masculine.

Silvaichthys Fernández-Yépez, 1973: [3]. Type species: *Silvaichthys aguilerae* Fernández-Yépez, 1973. Type by original designation. Gender: Masculine.

Pseudauchenipterus affinis (Steindachner, 1877)

Auchenipterus (*Pseudauchenipterus*) *affinis* Steindachner, 1877b: 651. Type locality: Rio S. Matheus; Rio Mucury bei Porto Alegre [Brazil]. Syntypes: NMW 47384 (2), NMW 47385 (2), NMW 47386 (2), NMW 47387 (2).

Distribution: Mucuri and São Mateus River basins, Brazil (Ferraris, 2003d).

Pseudauchenipterus flavescens (Eigenmann & Eigenmann, 1888)

Felichthys flavescens Eigenmann & Eigenmann, 1888b: 152. Type locality: Rio San Francisco [Brazil]. Holotype: MCZ 7362.

Distribution: São Francisco River basin, Brazil (Ferraris, 2003d).

Pseudauchenipterus jequitinhonhae (Steindachner, 1877)

Auchenipterus (*Pseudauchenipterus*) *Jequitinhonhae* Steindachner, 1877b: 647, pl. 6 (fig. 1). Type locality: Rio Jequitinhonha [Brazil]. Syntypes: NMW 19785–92 (8).

Distribution: Jequitinhonha River basin, Brazil (Ferraris, 2003d).

Pseudauchenipterus nodosus (Bloch, 1794)

Silurus nodosus Bloch, 1794: 35, pl. 368 (fig. 1). Type locality: Tranquebar [in error]. Lectotype: ZMB 3096, designated by, and illustrated in, Paepke (1999: 47, pl. 26, fig. 1).

Auchenipterus furcatus Valenciennes, in Cuvier & Valenciennes, 1840b: 211 (157 in Strasbourg deluxe edition). Type locality: Cayenne ou de Surinam. Syntypes: MNHN b-0213 (1), MNHN 0000-3049 (1), MNHN a-8855 (1); MNHN b-0213 illustrated in Royero & Hureau (1996: fig. 1).

Pseudauchenipterus guppyi Regan, 1906c: 387, pl. 23. Type locality: Caroni River [Trinidad]. Syntypes: BMNH 1906.6.23.49–50 (2).

Pseudauchenipterus nigrolineatus Fowler, 1911: 434, fig. 5. Type locality: Pedernales, Venezuela. Holotype: ANSP 37876.

Silvaichthys aguilerae Fernández-Yépez, 1973: [4], unnumbered figure. Type locality: Gulfo de Paria, noreste de Venezuela, frente a IRAPA, Estado Suene. Syntypes (4): originally as “Holotipo macho AFY 731.201, Holotipo hembra AFY 731.202, y los paratipos ... AFY 731.203 (2)”; whereabouts unknown, not at ANSP as indicated in the description.

Distribution: Lower reaches of rivers and into estuaries from Venezuela and southern Trinidad to Brazil, south at least to Bahia (Ferraris, 2003d).

PSEUDEPAPTERUS Steindachner, 1915

Pseudepapterus Steindachner, 1915a: 199. Type species: *Auchenipterus* (*Pseudepapterus*) *hasemani* Steindachner, 1915. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Auchenipterus*.

Revision, with a key to species: Ferraris & Vari (2000).

Pseudepapterus cucuhyensis Böhlke, 1951

Pseudepapterus cucuhyensis Böhlke, 1951b: 38, fig. 1. Type locality: Sandbank at Cucuhy on the Columbian [sic] border, Rio Negro, Brazil. Holotype: SU 16788.

Distribution: Amazon and Negro River basins (Ferraris & Vari, 2000).

Pseudepapterus gracilis Ferraris & Vari, 2000

Pseudepapterus gracilis Ferraris & Vari, 2000: 109, fig. 5. Type locality: Venezuela, Bolivar, Caño Chuapo, approximately 20 minutes downstream from Jabillal (on opposite bank) along Rio Caura, 7°07'N, 65°00'W. Holotype: ANSP 139502.

Distribution: Caura River basin, Venezuela; known only from holotype (Ferraris & Vari, 2000).

Pseudepapterus hasemani (Steindachner, 1915)

Auchenipterus (*Pseudepapterus*) *hasemani* Steindachner, 1915a: 199. Type locality: Pará (Belem) [Brazil]. Holotype: NMW 47397. Described in more detail in Steindachner (1915e: 82).

Distribution: Amazon River and many of its major tributary rivers, and Tocantins River basin (Ferraris & Vari, 2000).

PSEUDOTATIA Mees, 1974

Pseudotatia Mees, 1974: 105. Type species: *Pseudotatia parva* Mees, 1974. Type by original designation. Gender: Feminine.

Pseudotatia parva Mees, 1974

Pseudotatia parva Mees, 1974: 105, fig. 29. Type locality: Joazeiro, Brazil. Holotype: FMNH 70580.
Distribution: São Francisco River basin, Brazil (Ferraris, 2003d).

TATIA Miranda Ribeiro, 1911

Tatia Miranda Ribeiro, 1911: 360. Type species: *Centromochlus intermedius* Steindachner, 1877. Type by subsequent designation by Jordan (1920: 545). Gender: Feminine.

Tatia aulopygia (Kner, 1857)

Centromochlus aulopygius Kner, 1857: 432, pl. 8 (fig. 25). Type locality: Rio Guaporé [Brazil]. Syntypes: NMW 47329 (2), NMW 47330 (2), NMW 47331 (3), NMW 47332 (3), NMW 47333 (5) NMW 47388 (1).
Distribution: Guaporé River basin (Ferraris, 2003d).

Tatia boemia Koch & Reis, 1996

Tatia boemia Koch & Reis, 1996: 86, fig. 2. Type locality: Rio Pelotas (tributary of the Rio Uruguai) approx. 27°47'S, 51°11'W, Rio Grande do Sul, Brazil. Holotype: MCP 17438.
Distribution: Upper Uruguay River basin (Ferraris, 2003d).

Tatia brunnea Mees, 1974

Tatia brunnea Mees, 1974: 84, fig. 21. Type locality: Compagnie Kreek [Suriname]. Holotype: RMNH 26196.
Distribution: Suriname and Marowijne River basins (Ferraris, 2003d).

Tatia creutzbergi (Boeseman, 1953)

Centromochlus creutzbergi Boeseman, 1953: 7, fig. 1c. Type locality: Djaijkreek, Surinam. Holotype: RMNH 19440.
Distribution: Suriname coastal rivers and Cudajas (Ferraris, 2003d).

Tatia dunni (Fowler, 1945)

Centromochlus dunni Fowler, 1945a: 111, figs. 11–13. Type locality: Morelia, Río Caquetá drainage, Colombia. Holotype: ANSP 71705.
Distribution: Caquetá River basin, Colombia (Ferraris, 2003d).

Tatia galaxias Mees, 1974

Tatia galaxias Mees, 1974: 86, fig. 23. Type locality: Caño de Quiribana into Río Orinoco, Venezuela. Holotype: CAS 6567.
Distribution: Middle Orinoco River basin (Ferraris, 2003d).

Tatia gyrina (Eigenmann & Allen, 1942)

Centromochlus gyrinus Eigenmann & Allen, 1942: 118, pl. 5 (fig. 4). Type locality: brook near Rio Itaya, Iquitos [Peru]. Holotype: CAS 36979.
Distribution: Upper Amazon River basin (Ferraris, 2003d).

Tatia intermedia (Steindachner, 1877)

Centromochlus intermedius Steindachner, 1877b: 664. Type locality: Marabitanos; Pará [Brazil]. Syntypes (2): NMW 47355 (1).
Distribution: Amazon River basin and rivers of Guianas (Ferraris, 2003d).
Remarks: Steindachner (1881d: 4) indicated that the original description was based on two specimens.

Tatia musaica Royero, 1992

Tatia musaica Royero, 1992: 301, fig. 1. Type locality: Río Atuana, Caño Cabeza de Manteco, aproximadamente a 12 kms debajo del raudel Perez, en el piedemonte del tepui Autana, Territorio Federal, Amazonas, Venezuela, 4°47'N, 67°23'W. Holotype: MBUCV V-15663.
Distribution: Atabapo and Autana River basins in upper Orinoco River drainage, Venezuela (Ferraris, 2003d).

Tatia neivai (Ihering, 1930)

Glanidium neivai Ihering, 1930: 99, pl. 13 (fig. 1). Type locality: Piracicaba, Rio Piracicaba, Est. de S. Paulo. Holotype: Whereabouts unknown.
Distribution: Piracicaba River basin in São Paulo State (Ferraris, 2003d).

***Tatia simplex* Mees, 1974**

Tatia simplex Mees, 1974: 90, fig. 26. Type locality: Xaventina house beach, Rio das Mortes, Mato Grosso, Brazil.
Holotype: BMNH 1971.7.29.5.

Distribution: Das Mortes River in Mato Grosso State, Brazil (Ferraris, 2003d).

***Tatia strigata* Soares-Porto, 1995**

Tatia strigata Soares-Porto, 1995: 202, fig. 1. Type locality: Brazil, Amazonas, Municipio de Maués, Igarapé Limãozinho. Holotype: MZUSP 44065.

Distribution: Amazon River basin and upper reaches of the Orinoco River (Ferraris, 2003d).

TETRANEMATICHTHYS Bleeker, 1858

Tetranematichthys Bleeker, 1858b: 357, 359. Type species: *Ageneiosus quadrifilis* Kner, 1857. Type by monotypy.
Gender: Masculine.

***Tetranematichthys quadrifilis* (Kner, 1857)**

Ageneiosus quadrifilis Kner, 1857: 442, pl. 9 (fig. 29). Type locality: Rio Guaporé. Holotype: NMW 43343.

Distribution: Upper Guaporé River; reports of specimens from other localities in the Amazon and Orinoco river basins refer to a currently unnamed species.

TOCANTINSIA Mees, 1974

Tocantinsia Mees, 1974: 108. Type species: *Tocantinsia depressa* Mees, 1974. Type by original designation. Gender: Feminine.

***Tocantinsia piresi* (Miranda Ribeiro, 1920)**

Glanidium piresi Miranda Ribeiro, 1920: 14, pls. 15–17. Type locality: Rio S. Manoel [Mato Grosso, Brazil]. MNRJ 264.

Tocantinsia depressa Mees, 1974: 108, fig. 30. Type locality: Tocantins near Porto Nacional, Goyaz, Brazil. Holotype: CAS 6573.

Distribution: Upper Tocantins River basin (Ferraris, 2003d).

Remarks: Synonymy follows Mees (1984).

TRACHELYICHTHYS Mees, 1974

Trachelyichthys Mees, 1974: 111. Type species: *Trachelyichthys decaradiatus* Mees, 1974. Type by original designation. Gender: Masculine.

***Trachelyichthys decaradiatus* Mees, 1974**

Trachelyichthys decaradiatus Mees, 1974: 112, fig. 31. Type locality: Karanambo area, Rupununi, British Guiana. Holotype: BMNH 1971.7.29.30.

Distribution: Rupununi River basin, Guyana (Ferraris, 2003d).

***Trachelyichthys exilis* Greenfield & Glodek, 1977**

Trachelyichthys exilis Greenfield & Glodek, 1977: 49, fig. 2. Type locality: Río Mamón, a tributary of Río Nanay, approximately 25 km west of Iquitos, 3°42'S, 73°16'W, Peru. Holotype: FMNH 80476.

Distribution: Nanay River basin in upper Amazon River drainage (Ferraris, 2003d).

TRACHELYOPTERICHTHYS Bleeker, 1862

Trachelyopterichthys Bleeker, 1862 (in Bleeker, 1862–63): 16. Type species: *Trachelyopterus taeniatus* Kner, 1857. Type by original designation. Gender: Masculine.

***Trachelyopterichthys anduzei* Ferraris & Fernandez, 1987**

Trachelyopterichthys anduzei Ferraris & Fernandez, 1987: 257, fig. 1. Type locality: Laguna de Carida at the mouth of Caño Carida, Río Orinoco, Terr. Federal Amazonas, Venezuela. Holotype: MBUCV V-14627.

Distribution: Upper Orinoco River basin (Ferraris, 2003d).

***Trachelyopterichthys taeniatus* (Kner, 1857)**

Trachelyopterus taeniatus Kner, 1857: 434, pl. 8 (fig. 26). Type locality: Rio Guaporé [Brazil]. Holotype: NMW 43346.

Distribution: Upper Amazon River basin (Ferraris, 2003d).

TRACHELYOPTERUS Valenciennes, 1840

Trachelyopterus Valenciennes, in Cuvier and Valenciennes, 1840b: 220 (163 in Strasbourg deluxe edition). Type species: *Trachelyopterus coriaceus* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

Parauchenipterus Bleeker, 1862 (in Bleeker, 1862–63): 7. Type species: *Silurus galeatus* Linnaeus, 1766. Type by original designation. Gender: Masculine.

Review: Bertolotti *et al.* (1992), southeastern Brazil.

***Trachelyopterus albicrux* (Berg, 1901)**

Trachycorystes albicrux Berg, 1901: 303. Type locality: Río de la Plata, cerca de la embocadura del Río Santiago, Buenos Aires. Holotype: MACN 5161.

Distribution: La Plata River basin (Ferraris, 2003d).

***Trachelyopterus amblops* (Meek & Hildebrand, 1913)**

Felichthys amblops Meek & Hildebrand, 1913: 77. Type locality: Río Tuyra, Marriganti, Panama. Holotype: FMNH 7576.

Distribution: Tuirá River basin, Panama (Ferraris, 2003d).

***Trachelyopterus ceratophysus* (Kner, 1857)**

Auchenipterus ceratophysus Kner, 1857: 427, pl. 7 (fig. 23). Type locality: Matogrosso am Rio Guaporé, Rio Branco, und Rio Negro. Syntypes: NMW 47390–93 (4), NMW 50585 (1).

Distribution: Guaporé, Branco and Negro River basins (Ferraris, 2003d).

***Trachelyopterus coriaceus* Valenciennes, 1840**

Trachelyopterus coriaceus Valenciennes, in Cuvier & Valenciennes, 1840b: 221 (164 in Strasbourg deluxe edition), pl. 438. Type locality: [Unknown, apparently from vicinity of Cayenne, French Guiana]. Holotype: MNHN b-0242.

Trachelyopterus coriaceus maculosus Eigenmann & Eigenmann, 1888b: 157. Type locality: Porto do Moz [Pará, Brazil]. Holotype: MCZ 7337.

Distribution: Coastal rivers of Guianas and Brazil and Amazon River basin (Ferraris, 2003d).

***Trachelyopterus fisheri* (Eigenmann, 1916)**

Trachycorystes fisheri Eigenmann, 1916: 82. Type locality: Río Sucio [Colombia]. Holotype: FMNH 57695; illustrated in Eigenmann (1922: 48, pl. 5, fig. 1).

Distribution: Sucio River basin, Colombia (Ferraris, 2003d).

***Trachelyopterus galeatus* (Linnaeus, 1766)**

Silurus galeatus Linnaeus, 1766: 503. Type locality: in America australi. Syntypes: On Seba (1734–65: 85, pl. 19, fig. 7) and at least one additional specimen which has not been located.

Auchenipterus maculosus Valenciennes, 1840b: 216 (161 in Strasbourg deluxe edition). Type locality: Cayenne. Syntypes: MNHN a-8856 (1), ?RMNH D3007; MNHN a-8856 illustrated in Royero & Hureau (1996: fig. 2).

Parauchenipterus paseae Regan, 1906c: 387, pl. 24. Type locality: Caroni River, Trinidad. Holotype: BMNH 1906.6.23.48.

Distribution: Widespread in northern South America (Ferraris, 2003d).

***Trachelyopterus insignis* (Steindachner, 1878)**

Auchenipterus insignis Steindachner, 1878a: 89. Type locality: Magdalenaen-Stromes [Colombia]. Syntypes: at NMW. Illustrated and described in more detail in Steindachner (1879d: 35, pl. 3, figs. 2, 2a).

Auchenipterus Magdalenae Steindachner, 1878a: 89. Type locality: Magdalenaen-Stromes [Colombia]. Syntypes: NMW 47409–12 (4). Illustrated and described in more detail in Steindachner (1879d: 36, pl. 4, figs. 1, 1a).

Distribution: Lower Magdalena River basin, Colombia (Ferraris, 2003d).

Remarks: The name *Auchenipterus insignis* given precedence over *A. magdalenae* by first reviser action of Miles (1947: 73). Redescribed, as *Trachycorystes magdalenae*, in Schmidt (1928).

***Trachelyopterus lacustris* (Lütken, 1874)**

Auchenipterus lacustris Lütken, 1874c: 30. Type locality: in flumine Rio das Velhas et in lacu Lagoa Santa. Syntypes: MNHN 0000-9572 (1), NMW 47402 (1), ZMB 9179 (1), ZMUC P 29665 (1), ZMUC P 29666 (1),

ZMUC P 29667 (1), ZMUC P 29668 (1).

Distribution: Das Velhas River and Lagoa Santa basins (Ferraris, 2003d).

Trachelyopterus leopardinus (Borodin, 1927)

Trachycorystes leopardinus Borodin, 1927b: 3, fig. 2. Type locality: Rio S. Francisco, Minas Geraes [sic] Province, Brazil. Holotype: AMNH 8637.

Distribution: São Francisco River basin, Brazil (Ferraris, 2003d).

Trachelyopterus lucenai Bertoletti, da Silva & Pereira, 1995

Trachelyopterus lucenai Bertoletti, da Silva & Pereira, 1995: 71, fig. 2–3. Type locality: Rio Jacuí at sacho do Quilombo, ilha das Flores, Porto Alegre, Rio Grande do Sul, Brazil (approximately 29°58'S, 51°15'W). Holotype: MCP 17174.

Distribution: Lowland tributaries of Uruguay River and Laguna dos Patos basins, Brazil (Bertoletti *et al.*, 1995).

Trachelyopterus peloichthys (Schultz, 1944)

Trachycorystes insignis peloichthys Schultz, 1944c: 236, pl. 4 (fig. a). Type locality: Río Agua Caliente, 2 to 3 km above Lake Maracaibo, Venezuela. Holotype: USNM 121281.

Distribution: Maracaibo River basin (Ferraris, 2003d).

Trachelyopterus striatulus (Steindachner, 1877)

Auchenipterus (Pseudauchenipterus) striatulus Steindachner, 1877b: 656, pl. 5. Type locality: Rio Parahyba, Rio Doce, Rio Mucury. Syntypes: MCZ 25506 (1), NMW 10852 (1), NMW 47445 (5), NMW 47446 (2), NMW 47447 (1), SMNS 1955 (1).

Distribution: Coastal rivers in southeastern Brazil (Ferraris, 2003d).

Trachelyopterus teaguei (Devincenzi, 1942)

Trachycorystes teaguei Devincenzi in Devincenzi & Teague, 1942: 37, pl. 7 (figs. 1–2). Type locality: Río Queguay, Uruguay. Holotype: MHNM CI 350.

Distribution: Queguay River basin in lower Uruguay River drainage (Ferraris, 2003d).

Species inquirendae, Trachelyopterus

Auchenipterus immaculatus Valenciennes, 1840b: 218 (162 in Strasbourg deluxe edition). Type locality: Cayenne. Holotype: RMNH 3008. Comments on type locality in Boeseman (1972: 302).

Auchenipterus robustus Günther, 1864: 197. Type locality: Demerara [Guyana]. Holotype: BMNH 2005.9.12.3.

Auchenipterus glaber Steindachner, 1877b: 655, footnote. Type locality: Demerara [Guyana]. Holotype: at NMW.

Auchenipterus isacanthus Cope, 1878: 677. Type locality: Peruvian Amazon. Syntypes: ANSP 21444–45 (2).

Auchenipterus brevibarbis Cope, 1878: 676. Type locality: Peruvian Amazon. Holotype: ANSP 21519.

Trachycorystes analis Eigenmann & Eigenmann, 1888b: 156. Type locality: Arary? [possibly = Lago Arari, Pará, Brazil]. Holotype: MCZ 7354.

Trachycorystes insignis badeli Dahl, 1955: 13, fig. on p. 14. Type locality: Cereté [Sinu River, Colombia]. Holotype: Whereabouts unknown (possibly at ICNMHN).

Trachycorystes jokeannae Hoedeman, 1961: 138. Type locality: French Guiana, Ile de Cayenne, ruisseaux du Rorota. Holotype: ZMA 102371.

TRACHYCORYSTES Bleeker, 1858

Trachycorystes Bleeker, 1858b: 200, 208. Type species: *Auchenipterus trachycorystes* Valenciennes, 1840. Type by absolute tautonymy. Gender: Masculine.

Trachycorystes cratensis Miranda Ribeiro, 1937

Trachycorystes cratensis Miranda Ribeiro, 1937: 55. Type locality: Rio Granjeiro, Crato, Ceará [Brazil]. Holotype: MNRJ 947.

Distribution: Granjeiro River basin in Ceará State, Brazil (Ferraris, 2003d).

Trachycorystes trachycorystes (Valenciennes, 1840)

Auchenipterus trachycorystes Valenciennes, in Cuvier & Valenciennes, 1840b: 214 (159 in Strasbourg deluxe edition), pl. 437. Type locality: Brésil. Holotype: MNHN a-9422; illustrated in Mees (1974: pl. 1).

Trachycorystes typus Bleeker, 1862 (in Bleeker, 1862–63): 6. Type locality: Bresil. Holotype: MNHN a-9422. Replacement for *Auchenipterus trachycorystes* Valenciennes, 1840, presumably to avoid tautonymy, therefore taking the same type.

Auchenipterus obscurus Günther, 1863: 442. Type locality: the Essequibo, British Guiana. Syntypes: BMNH 1864.1.21.13–14 (2); one syntype illustrated in Eigenmann (1912: pl. 17, fig. 2).

Distribution: Amazon River basin, Essequibo River basin, Guyana, and Orinoco River basin, Venezuela (Ferraris, 2003d).

Species inquirendae, Auchenipteridae

Arius obesus Jardine, in Schomburgk, 1841: 174. Type locality: Rio Branco. No types known.

Pimelodus caeruleus La Cepède, 1803: 95, 103. Type locality: Cayenne. No types known. Name spelled *Pimelodus coeruleus* on p. 95; *Pimelodus caeruleus* on 103.

Trachycorystes porosus Eigenmann & Eigenmann, 1888b: 154. Type locality: Brazil. Syntypes (2, 13–15 cm): MCZ 7351 (2).

AUSTROGLANIDIDAE Mo, 1991

Austroglanididae Mo, 1991: 160. Type genus: *Austroglanis* Skelton, Risch & de Vos, 1984.

1 genus, 3 species; no named fossil taxa.

AUSTROGLANIS Skelton, Risch & de Vos, 1984

Austroglanis Skelton, Risch & de Vos, 1984: 361. Type species: *Gephyroglanis sclateri* Boulenger, 1901. Type by original designation. Gender: Masculine.

Austroglanis barnardi (Skelton, 1981)

Gephyroglanis barnardi Skelton, 1981: 220, figs. 2, 4–6, 8–21. Type locality: Noordhoeks River at roadbridge, tributary of Olifants River, Cape Province, S. Africa, 32°43'15"S, 19°03'59"E. Holotype: AMG P7647(a).

Distribution: Streams in Clanwilliam-Olifants River system, South Africa (Skelton, 1993).

Austroglanis gilli (Barnard, 1943)

Gephyroglanis gilli Barnard, 1943: 227, fig. 23 c–g. Type locality: Olifants River system, Clanwilliam Division: in an irrigation furrow on the Jan Diesels River in Bosch Kloof, Clanwilliam; Boontjes River, Citrusdal; upper reaches of Olifants River at the farm “Keerom” and in a side tributary of the farm “Noordhoek.” Lectotype: SAM 29231 [now at AMG], designated by Skelton (1981: 267).

Distribution: Streams in Clanwilliam-Olifants River system (Skelton, 1993).

Austroglanis sclateri (Boulenger, 1901)

Gephyroglanis sclateri Boulenger, 1901g: 228, pl. 13. Type locality: Vaal River, South Africa. Syntypes: BMNH 1901.2.11.23 (1), SAM 4708 [now at AMG] (1).

Distribution: Orange-Vaal River basin, in major tributaries and main river channel (Skelton, 1993).

BAGRIDAE Bleeker, 1858

Bagrichthyoidei Bleeker, 1858b: 49, 54. Type genus: *Bagrus* Bosc, 1816.

Bagrichthyes Bleeker, 1862 (in Bleeker, 1862–63): 8, 48. Type genus: *Bagrichthys* Bleeker, 1857.

Ritae Bleeker, 1862 (in Bleeker, 1862–63): 8. Type genus: *Rita* Bleeker, 1854.

Olyrinae Gill, 1893: 132. Type genus: *Olyra* M' Clelland, 1842.

Porcinae Fowler, 1915a: 219. Type genus: *Porcus* Geoffroy St. Hilaire, 1809. Based on a generic name that was placed on the Official Index of Rejected and Invalid Generic Names in Zoology, Opinion 1402 (Melville & Smith, 1987).

Batasinae Tilak, 1967: 431. Type genus: *Batasio* Blyth, 1860.

Pelteobagrini Jayaram, 1966b: 1071. Type genus: *Pelteobagrus* Bleeker, 1865.

Bagroidinae Jayaram, 1968b: 371. Type genus: *Bagroides* Bleeker, 1851.

Taxonomic summaries: Risch (1986, Africa); Chu *et al.* (1999, China).

Reviews: Jayaram (1955a, genera); Jayaram (1966c, various Asian genera); Jayaram (1966b, African genera); Jayaram (1968b, Japanese, Chinese, Malayan and Indonesian genera); Jayaram (1978a, Chinese species of “*Mystus*”); Risch (1992b, West Africa); Desoutter (1975, Cambodia); Lee & Kim (1990, Korea).

Identification guides: Jayaram (1977d, 1979 South Asia).

Phylogeny: Jayaram (1976); Jayaram & Singh (1982); Mo (1991); Peng *et al.* (2002, East Asian species); Ng (2003j).

23 genera, 189 species; including 4 fossil genera and 11 fossil species.

Incertae sedis

Pseudobagrus kyphus Mai, 1978

Pseudobagrus kyphus Mai, 1978: 261, fig. 119. Type locality: [Ky Phu stream in Dai tu district, Thai Nguyen Province, Northern Vietnam]. Holotype: at DVZUT.

Distribution: Vu Quang, northern Vietnam (Kottelat, 2001a), Guangxi Zhuangzu Autonomous Region, China (Watanabe *et al.*, 2002).

Remarks: Currently treated as valid as *Pseudobagrus kyphus* or *Pelteobagrus kyphus*. Redescribed in Watanabe, *et al.* (2002).

Pseudobagrus nitidus Sauvage & Dabry de Thiersant, 1874

Pseudobagrus nitidus Sauvage & Dabry de Thiersant, 1874: 5. Type locality: Yang-tze-kiang, China. Type(s) (130 mm): at MNHN.

Distribution: from Heilongjiang [Amur River] to Minjiang [Yangtze River tributary] (Chu *et al.*, 1999).

Remarks: Currently treated as valid as *Pelteobagrus nitidus* or *Leiocassis nitidus*.

† *Brachyspondylus saropterix* Marck, 1876a: 411, pl. 23, fig. 2. Type locality: Sumatra; Tertiary. Holotype: at Royal Geol. Mus. Dresden (Posterior end of fish, without Weberian complex, pectoral girdle or head).

Distribution: Sumatra (Gayet & Otero, 1999).

Remarks: Treated as valid in the Bagridae S.L. by Gayet & Meunier (2003), but the generic name † *Brachyspondylus* does not have a siluriform taxon as its type; therefore this species is without a valid generic name. Sanders (1934: 28) placed the species into *Aoria*, but that name is preoccupied in Insecta.

BAGRICHTHYS Bleeker, 1857

Bagrichthys Bleeker, 1857b: 473. Type species: *Bagrus hypselopterus* Bleeker, 1852. Type by monotypy. Gender: Masculine.

Pseudobagrichthys Bleeker, 1862 (in Bleeker, 1862–63): 9, 49. Type species: *Bagroides macropterus* Bleeker, 1853. Type by original designation. Gender: Masculine.

Key: Linder & Ng (2002a).

Bagrichthys hypselopterus (Bleeker, 1852)

Bagrus hypselopterus Bleeker, 1852d: 588. Type locality: Palembang, in fluviiis. Holotype (260 mm TL): possibly RMNH 6877.

Distribution: Sumatra and Borneo (Roberts, 1989a).

Bagrichthys macracanthus (Bleeker, 1854)

Bagroides macracanthus Bleeker, 1854a: 88. Type locality: Sumatra orientalis, ubi confluunt flumina Lamatang et Emin. Holotype (240 mm TL): RMNH 5216 (1 of 27); illustrated in Bleeker (1862–63: 50, pl. 67 [=Silur. pl. 19], fig. 1) as *Pseudobagrichthys macracanthus*.

Distribution: Mekong and Chao Phraya River basins and Sundaland (Kottelat, 2001b).

Bagrichthys macropterus (Bleeker, 1853)

Bagroides macropterus Bleeker, 1853b: 515. Type locality: Moara kompeh, in fluviiis [Sumatra]. Holotype (256 mm TL): Whereabouts unknown.

Distribution: Sumatra.

Remarks: As *Bagroides macropterus* in some recent literature.

Bagrichthys majusculus Ng, 2002

Bagrichthys majusculus Ng, 2002a: 50, fig. 1. Type locality: Thailand: Ubon Ratchathani Province, Khong Chiam district, Mun River at Ban Dan, 3 km upstream from Mekong River confluence. Holotype: UMMZ 214916.

Distribution: Mekong and Chao Phraya River basins (Ng, 2002a).

Bagrichthys micranodus Roberts, 1989

Bagrichthys micranodus Roberts, 1989a: 115, fig. 89. Type locality: Kapuas mainstream 58 km NE of Sintang and 1 km downstream from Sebruang, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3578.

Distribution: Kapuas River, Western Borneo (Roberts, 1989a).

Bagrichthys obscurus Ng, 1999

Bagrichthys obscurus Ng, 1999f: 546, figs. 1–2. Type locality: Thailand: Roi Et Province, Lam Chi, 1.5 km below highway 23 bridge, 4 km W. of Selaphum. Holotype: USNM 317511.

Distribution: Mekong, Bang Pakong and Chao Phraya River basins (Ng, 1999f).

Bagrichthys vaillantii (Popta, 1906)

Leiocassis macropterus Vaillant, 1902: 58, figs. 6–7. Type locality: Tepoe, bords du Mahakam, Bornéo central. Holotype: Whereabouts unknown. Considered to have been preoccupied in *Bagroides* by *Bagroides macropterus* Bleeker, 1853; replaced by *Bagroides vaillantii* Popta, 1906.

Bagroides Vaillantii Popta, 1906: 228. Type locality: Tepoe, bords du Mahakam, Bornéo central. Holotype: Whereabouts unknown. Replacement name for *Leiocassis macropterus* Vaillant, 1902, considered preoccupied in *Bagroides* by *Bagroides macropterus* Bleeker, 1853.

Distribution: Mahakam River basin, eastern Borneo (Ng, 2000).

Remarks: Redescribed in Ng (2000: 327).

BAGROIDES Bleeker, 1851

Bagroides Bleeker, 1851d: 204. Type species: *Bagroides melapterus* Bleeker, 1851. Type by monotypy. Gender: Masculine.

Bagroides melapterus Bleeker, 1851

Bagroides melapterus Bleeker, 1851d: 204. Type locality: Bandjarmassing, in fluviis. Syntypes (2, 142, 200 mm TL): BMNH 1863.12.4.71 (1), possibly NMV 46011 (1).

Bagroides melanopterus Bleeker, 1852b: 413. Type locality: Bandjarmassing, in fluviis. Syntypes: BMNH 1863.12.4.71 (1), possibly NMV 46011 (1). Unjustified emendation, or incorrect subsequent spelling, for *Bagroides melapterus* Bleeker, 1851.

Distribution: Sumatra and Borneo (Roberts, 1989a).

BAGRUS Bosc, 1816

Porcus Geoffroy Saint-Hilaire, 1809: pl. 15. Type species: *Silurus bajad* Forsskål, 1775. Type by monotypy. Gender: Masculine. Name placed on Official Index of Rejected and Invalid Generic Names In Zoology (ICZN, Opinion 1402).

Bagrus Bosc, 1816: 147. Type species: *Silurus bajad* Forsskål, 1775. Type by subsequent designation by Bailey & Stewart (1983: 168). Gender: Masculine. Placed on Official List (ICZN, Opinion 1402).

Remarks: The names *Porcus* and *Bagrus* were each proposed as new independently in several publications; see Bailey & Stewart (1983) for details. See also Jayaram (1956a) for additional comments on the names. An earlier type designation of *Bagrus* may date to Desmarest as *Bagrus bayad* (see Whitley, 1939: 224), but that action may have been overridden by ICZN Opinion 1402, which listed *Silurus bajad* Forsskål as type.

Key (as genus *Porcus*): Jayaram (1966b).

Bagrus bajad (Forsskål, 1775)

Silurus bajad Forsskål, 1775: 66, xiii. Type locality: in Nilo. No types known. Placed on Official List (ICZN, Opinion 1402) as type species of *Bagrus*.

Porcus bayad Geoffroy Saint-Hilaire, 1809: pl. 15 (figs. 1–2). Type locality: Nil. Misspelling or unjustified emendation of *Silurus bajad* Forsskål.

Bagrus bayad macropterus Pfaff, 1933: 287, fig. 4. Type locality: Kabara. Holotype (47 cm): ZMUC P 28667. Orig-

inally as *Bagrus bayad* var. *macropterus* var. n.

Distribution: Lakes Chad, Mobutu and Turkana; Nile, Niger, and Senegal rivers (Risch, 1986).

Bagrus caeruleus Roberts & Stewart, 1976

Bagrus caeruleus Roberts & Stewart, 1976: 275. Type locality: Near Inga hydroelectric dam. Lat. 5°31.5'S, Long. 13°37.5'E; lower Zaïre or Congo River. Holotype: MCZ 50582.

Distribution: Lower Congo River; known only from type series (Risch, 1986).

Bagrus degeni Boulenger, 1906

Bagrus Degeni Boulenger, 1906b: 438. Type locality: Entebbe, Lake Victoria. Syntypes (7): BMNH 1906.5.30.172 (1), BMNH 1906.5.30.173–177 (5).

Distribution: Lake Victoria (Risch, 1986).

Bagrus docmak (Forsskål, 1775)

Silurus docmak Forsskål, 1775: 65, xiii. Type locality: in Nilo inferiori ad Deltam. No types known.

Bagrus koenigi Pietschmann, 1932: 92, fig. 1. Type locality: In Oberägypten im Nil. Holotype: at ZFMK.

Bagrus docmac niger Daget, 1954: 244, fig. 89. Type locality: Bamako [Niger River]. Syntypes: MNHN 1954-0004 (1), MNHN 1960-0465 (2), MNHN 1960-0466 (1).

Distribution: Nile, Niger, Senegal and Volta rivers; Lack Chad basin, East African rift lakes, except Lake Kivu (Risch, 1986).

Bagrus filamentosus Pellegrin, 1924

Bagrus filamentosus Pellegrin, 1924a: 462. Type locality: Cercle de Ségou (du Niger). Holotype: MNHN 1924-0215.

Distribution: Niger River system (Risch, 1986).

Bagrus lubosicus Lönnberg, 1924

Bagrus lubosicus Lönnberg, 1924: 619. Type locality: Lubosi river, a tributary to Luala River, Lower Congo. Holotype: NRM 9939.

Distribution: Lower Congo River system (Risch, 1986).

Bagrus meridionalis Günther, 1894

Bagrus meridionalis Günther, 1894: 626. Type locality: Upper Shire River [British Central Africa]. Holotype (22 ½ inches): BMNH 1893.11.15.87 (skin).

Distribution: Shire River and Lake Malawi (Risch, 1986).

Bagrus orientalis Boulenger, 1902

Bagrus orientalis Boulenger, 1902d: 37. Type locality: du Pangani, Côte de Zanzibar. Syntypes (2): BMNH 1865.9.21.17 (1), BMNH 1867.3.7.488 (1). Name made available in key.

Distribution: Pangani River, Tanzania (Risch, 1986).

† ***Bagrus shuwaiensis*** Forey & Young, 1999

† *Bagrus shuwaiensis* Forey & Young, 1999: 125, figs. 12.6–12.16. Type locality: Late Miocene, Bahnunah Formations, west side of Shuwaihat, Abu Dhabi. Holotype: AUH 678 (posterior portion of cranium).

Distribution: Bahnunah Formations, west side of Shuwaihat, Abu Dhabi.

Remarks: Considered to be Bagridae S.L. by Gayet & Meunier (2003).

Bagrus ubangensis Boulenger, 1902

Bagrus ubangensis Boulenger, 1902d: 38, pl. 11 (fig. 1). Type locality: l'Ubangi à Banzyville. Holotype: MRAC 1295.

Distribution: Congo River system (Risch, 1986).

Bagrus urostigma Vinciguerra, 1895

Bagrus urostigma Vinciguerra, 1895: 36. Type locality: Ganana, Giuba [Somali]. Syntypes (4): MSNG 14598 (1, dry), MSNG 14599 (1), MSNG 14600 (1).

Distribution: Giuba River, Somalia (Risch, 1986).

BATASIO Blyth, 1860

Batasio Blyth, 1860: 149. Type species: *Batasio buchanani* Blyth, 1860. Type by original designation. Type designated as “*B. Buchanani*, nobis; *Pimelodus batasio*, B.H.” Gender: Masculine.

Macronoides Hora, 1921a: 179. Type species: Possibly *Batasio affinis* Blyth, 1860. Type by subsequent designation by Jordan (1923: 148). Gender: Masculine. Originally proposed as a subgenus of *Macrones*.

Revision: Hora & Law (1941).

Review: Ng & Kottelat (2001, Indochinese species)

Remarks: Systematic position reviewed in Tilak (1967) and Jayaram (1977b). Type species for *Macronoides* taken from Misra (1976: 215) although no type designation has been found; type species was not designated in Hora & Law (1941).

Batasio affinis Blyth, 1860

Batasio affinis Blyth, 1860: 150. Type locality: Tenasserim [Myanmar]. Holotype: ZSI F7880/1 [? = A.549].

Macrones Blythii Day, 1877 (in Day, 1875–78): 445. Type locality: Tenasserim provinces. Holotype: ZSI F7880/1 [? = A.549]. Proposed as a replacement for *Batasio affinis* Blyth, 1860 when thought to be preoccupied in *Macrones* by *Bagrus affinis* Jerdon, 1849 [see Ng & Kottelat (2001: 500) for discussion].

? *Leiocassis fluviatilis* Day, 1888: 805. Type locality: The Anin, a stream rising near Weywoon, Wagroo, in the Tenasserim district [Myanmar]. Syntypes (4): Whereabouts unknown.

Distribution: Eastern Myanmar (Ng & Kottelat, 2001).

Batasio batasio (Hamilton, 1822)

Pimelodus batasio Hamilton, 1822: 179, 377. Type locality: River Tista [Ganges River]. No types known. Previously unpublished Hamilton illustration of a type specimen reproduced in Hora (1929: pl. 22, fig. 3).

Batasio Buchananii Blyth, 1860: 150. Type locality: River Tista [Ganges River]. No types known. Unneeded replacement name for *Pimelodus batasio* Hamilton, 1822.

Distribution: Ganges River basin, India.

Remarks: Hamilton's plate (pl. 23, fig. 60), labeled *Pimelodus batasius* and referred to in the account of *Pimelodus batasio*, has been shown by Day (1871) and Hora (1929: 182) to fit instead the description of *Pimelodus carcio* Hamilton.

Batasio dayi (Vinciguerra, 1890)

Macrones Dayi Vinciguerra, 1890: 230, pl. 7 (fig. 3). Type locality: Meetan; M.^u a Est di Toungoo (Carin Biapò), Birmania [Myanmar]. Syntypes (6): BMNH 1893.2.16.8 (1), MSNG 14586 (1), NMW 45184 (1), RMNH 10225 (1).

Distribution: Salween and Irrawaddy River basins, Myanmar (Ng & Kottelat, 2001).

Batasio elongatus Ng, 2004

Batasio elongatus Ng, 2004c: 68, fig. 1. Type locality: Myanmar, Rakhine state: Baw Di Chaung, drainage, Baw Di Chaung, at Baw Di bridge, 20 miles from Gwa on road to Ngathaingchaung (17°34'15"N 94°43'47"E). Holotype: NRM 40748.

Distribution: Baw Di Chaung and Kanamae Chaung basins, western Rakhine Yoma, Myanmar (Ng, 2004c).

Batasio havmolleri (Smith, 1931)

Mystus havmolleri Smith, 1931: 24, fig. 12. Type locality: Klong Thalerng near Ronpibun, Peninsular Siam. Holotype: USNM 90304.

Mystus stigmaturus Fowler, 1934a: 94, figs. 41–42. Type locality: Nakon Sritamarat, Peninsular Siam. Holotype: ANSP 59338.

Distribution: Malay Peninsula, south of isthmus of Kra and north of Perak River basin and Terengganu River (Ng & Kottelat, 2001).

Batasio macronotus Ng & Edds, 2004

Batasio macronotus Ng & Edds, 2004: 296, fig. 1. Type locality: Nepal: Saptari/Sunsari, Kosi River drainage, purchased at Kosi barrage, 26°31'30"N 86°56'00"E. Holotype: KU 34546.

Distribution: Kosi River basin, eastern Nepal (Ng & Edds, 2004).

Batasio merianiensis (Chaudhuri, 1913)

Macrones merianiensis Chaudhuri, 1913: 253, pl. 9 (figs. 1, 1a, 1b). Type locality: Pond at Mariani junction, Assam [India]. Holotype: ZSI F7781/1.

Distribution: Assam, India.

Batasio pakistanicus Mirza & Jan, 1989

Batasio pakistanicus Mirza & Jan, 1989: 283, figs. 1, 2. Type locality: Jinnah Barrage (River Indus) [Pakistan].

Holotype: GCM 17-F.

Distribution: Punjab, Indus River basin, Pakistan (Mirza, 2003).

Remarks: Treated as a synonym of *Batasio batasio* by Jayaram (1999).

Batasio sharavatiensis Bhatt & Jayaram, 2004

Batasio sharavatiensis Bhatt & Jayaram, 2004: 1339. Type locality: River Sharavati (14°14'N, 74°49'E), Joginmatha, Uttara Kannada, Karnataka [India]. Holotype: ZSI/SRS F 6419.

Distribution: Sharavati River, Uttara Kannada, Karnataka State, India (Bhatt & Jayaram, 2004).

Batasio tengana (Hamilton, 1822)

Pimelodus tengana Hamilton, 1822: 176, 377, pl. 39 (fig. 58). Type locality: Brahmaputra River. No types known.

Distribution: Brahmaputra River, India and Bangladesh.

Batasio tigrinus Ng & Kottelat, 2001

Batasio tigrinus Ng & Kottelat, 2001: 504, fig. 6. Type locality: Thailand: Kanchanaburi Province, Mae Nam Khwae Noi basin, Huai Lia, km 49 on road from Thon Pha Phun to Sangkhla (15°04'25"N, 98°33'51"E). Holotype: ZRC 40624.

Distribution: Mae Nam Khwae Noi basin, Mae Khlong drainage, western Thailand (Ng & Kottelat, 2001).

Batasio travancoria Hora & Law, 1941

Batasio travancoria Hora & Law, 1941: 40, pl. 2 (figs. 7–9); fig. 3. Type locality: Peruntenaruvi, a tributary of the Pamba River at Edakadathy [Travancore, India]. Holotype: ZSI F13449/1.

Distribution: Pamba, Kallada and Chittar River basins, Anaimalai Hill Range, Kerala, India (Jayaram, 1999).

CHANDRAMARA Jayaram, 1973

Chandramara Jayaram, 1973a: 816. Type species: *Pimelodus chandramara* Hamilton, 1822. Type by original designation. Gender: Masculine.

Chandramara chandramara (Hamilton, 1822)

Pimelodus chandramara Hamilton, 1822: 162, 375. Type locality: Atreyi River [India]. No types known. Previously unpublished Hamilton illustration of a type specimen reproduced in Hora (1929: pl. 21, fig. 6).

Ageniosus (Silonia) diaphina Swainson 1839: 306. Type locality: Atreyi River [India]. No types known. On "Ham. P. 162" [= Hamilton (1822: 162)]. Unneeded new name for *Pimelodus chandramara* Hamilton, 1822.

Distribution: Base of eastern part of Himalaya, and Sarda River basin (Tilak, 1987).

Remarks: Also treated in recent literature as valid as *Rama chandramara*.

COREOBAGRUS Mori, 1936

Coreobagrus Mori, 1936: 672, 675. Type species: *Coreobagrus brevicorpus* Mori, 1936. Type by monotypy. Gender: Masculine.

Remarks: Species diagnosed in Watanabe *et al.* (1992).

Coreobagrus brevicorpus Mori, 1936

Coreobagrus brevicorpus Mori, 1936: 672, pl. 24 (fig. 2). Type locality: River Rakuto at Ei-yo [but, Bun-kei elsewhere in text], Chosen [Korea]. Holotype: At Preparatory Department of Keijo Imperial University.

Distribution: Naktong River and Kim River, Korea (Mori, 1952).

Remarks: Treated in some recent literature as valid in *Pseudobagrus*.

Coreobagrus ichikawai Okada & Kubota, 1957

Coreobagrus ichikawai Okada & Kubota, 1957: 144, unnumbered figure. Type locality: Miya River, Mie Prefecture, Japan. Holotype: FRLM 6230.

Coreobagrus okadai Jayaram, 1966a: 30, fig. 1. Type locality: Upper region of Suzuka River, Mie Prefecture, Honshu, Japan. Holotype: at ZSI.

Distribution: In the vicinity of Ise and Mikawa bays, Honshu, Japan (Katsuura *et al.*, 2000).

Remarks: Treated in some recent literature as valid as *Pseudobagrus ichikawai*. See Watanabe (1998) for intraspecific variation, and Watanabe & Ito (1999) for comments on distribution.

† **EOMACRONES** White, 1937

† *Macronoides* White, 1934: 54. Type species: † *Macronoides wilsoni* White, 1934. Type by original designation. Gender: Masculine. Preoccupied by *Macronoides* Hora, 1921, in Recent fishes. Replaced by † *Eomacrones* White, 1937.

† *Eomacrones* White, 1937: 144. Type species: † *Macronoides wilsoni* White, 1934. Type by being a replacement name. Gender: Masculine. Replacement for † *Macronoides* White, 1934, preoccupied by *Macronoides* Hora, 1921.

Remarks: Considered to be Bagridae (sensu lato) by Gayet & Meunier (2003).

† **Eomacrones wilsoni** (White, 1934)

† *Macronoides wilsoni* White, 1934: 54, fig. 13. Type locality: Gada, Nigeria, in scree; Eocene. Holotype: at National Collection [Nigeria] or BMNH (incomplete skull).

† **GOBIBAGRUS** Sytchevskaya, 1986

† *Gobibagrus* Sytchevskaya, 1986: 90. Type species: † *Gobibagrus hoerdzanicus* Sytchevskaya, 1986. Type by original designation. Gender: Masculine.

† *Eobagrus* Sytchevskaya, 1986: 92. Type species: † *Gobibagrus hoerdzanicus* Sytchevskaya, 1986. Type by original designation. Gender: Masculine. Apparently a *lapsus calami* for *Gobibagrus*.

Remarks: Type species cited as † *Gobibagrus hoerdzanicus*, but species account lists name as † *Eobagrus hoerdzanicus*. Assigned to the family Bagridae by Sytchevskaya, 1986.

† **Gobibagrus hoerdzanicus** Sytchevskaya, 1986

† *Eobagrus hoerdzanicus* Sytchevskaya, 1986: 92, pl. 15, figs. 6–10. Type locality: [Mongolia, Lower Oligocene]. Holotype: ПИИ N 3874/408 (pectoral spine)

Distribution: Mongolia, upper Miocene (Gayet & Meunier, 2003: 501).

Remarks: Name as † *Eobagrus hoerdzanicus* in heading of species account, but † *Gobibagrus hoerdzanicus* on plate caption and as type species in genus account.

HEMIBAGRUS Bleeker, 1862

Hemibagrus Bleeker, 1862 (in Bleeker, 1862–63): 9. Type species: *Bagrus nemurus* Valenciennes, 1840. Type by original designation. Gender: Masculine. Placed on Official List (Opinion 2011; ICZN, 2002).

Macropterobagrus Nichols, 1925: 1. Type species: *Hemibagrus macropterus* Bleeker, 1870. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Hemibagrus*.

Brachymystus Fowler, 1937: 148. Type species: *Bagrus nemurus* Valenciennes, 1840. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Mystus*.

Review: Ng & Rainboth (1999, central Indochina); Ng & Ferraris (2000, southern Asia).

Hemibagrus baramensis (Regan, 1906)

Macrones baramensis Regan, 1906b: 68. Type locality: Baram River, Sarawak state, Borneo, East Malaysia. Holotype: BMNH 1895.7.2.50.

Distribution: Baram River, Borneo (Regan, 1906b).

Hemibagrus bongan (Popta, 1904)

Macrones bongan Popta, 1904: 182. Type locality: le Bongan, Bornéo central. Syntypes: RMNH 7548 (1), RMNH 7549 (1); described in more detail, with an illustration of one of the syntypes, in Popta (1906: 35, pl. 2, fig. 5).

Distribution: Kapuas, Rajang and Baram River drainages, northern Borneo (Ng & Rachmatika, 1999).

Hemibagrus caveatus Ng, Wirjoatmodjo & Hadiaty, 2001

Hemibagrus caveatus Ng, Wirjoatmodjo & Hadiaty, 2001b: 359, fig. 1. Type locality: Sumatra: Aceh Province, Sungai Soraya, a tributary of Sungai Alas [Indonesia]. Holotype: MZB 8714.

Distribution: Alas River basin, northern Sumatra (Ng, *et al.*, 2001b).

Hemibagrus centralus Mai, 1978

Hemibagrus centralus Mai, 1978: 253, fig. 115 [not 116]. Type locality: Northern Vietnam. Syntypes: at DVZUT.

Distribution: Northern Vietnam (Kottelat, 2001b).

Hemibagrus chrysops Ng & Dodson, 1999

Hemibagrus chrysops Ng & Dodson, 1999: 48, figs. 1, 2a, 3c–d. Type locality: Borneo: Sarawak, Serian wet market, from Sadong River. Holotype: ZRC 42653.

Distribution: Sadong and Rajang River basins, northern Borneo (Ng & Dodson, 1999).

Hemibagrus filamentus (Fang & Chau, 1949)

Macrones (Hemibagrus) filamentus Fang & Chau, in Chau & Fang, 1949a: 200, fig. 4. Type locality: Cambodia. Holotype: MNHN 1966-0728.

Distribution: Middle and lower Mekong River basin of Laos, Thailand, and Cambodia (Ng & Rainboth, 1999).

Hemibagrus fortis (Popta, 1904)

Macrones fortis Popta, 1904: 185. Type locality: le Bo, Bornéo central. Syntypes: RMNH 7551 (4); described in more detail, with an illustration of one of the syntypes, in Popta (1906: 44, pl. 2, figs. 8a, 8b).

Macrones bo Popta, 1904: 183. Type locality: le Bo, Bornéo, central. Holotype: RMNH 7549; described in more detail, with illustration of holotype, in Popta (1906: 38, pl. 2, fig. 6).

Macrones howong Popta, 1904: 181. Type locality: le Howong, Bornéo central. Holotype: RMNH 7547; described in more detail, with illustration of holotype, in Popta (1906: 32, pl. 1, fig. 4).

Macrones kajan Popta, 1904: 184. Type locality: le Kajan, Bornéo central. Holotype: RMNH 7550; described in more detail, with illustration of holotype, in Popta (1906: 41, pl. 2, fig. 7). [Possibly synonym of *Hemibagrus nemurus*].

Macrones fortis capitulum Popta, 1906: 48, pl. 3 (fig. 9). Type locality: le Bo, Bornéo central. Holotype: RMNH 7552. Originally as *Macrones fortis* var. *capitulum*. [First mentioned in Popta (1904: 186) as *Macrones fortis* var.]

Distribution: Borneo.

Remarks: Tan & Ng (2000: 271) acted as first reviser and gave precedence to *Macrones fortis* over *M. howong*, *M. kajan* and *M. bo*.

Hemibagrus furcatus Ng, Martin-Smith & Ng, 2000

Hemibagrus furcatus Ng, Martin-Smith & Ng, 2000: 66, figs. 1, 2a, 3. Type locality: Sungai Segama, Danum Valley Conservation Area, Lahad Datu dist., Sabah, Borneo. Holotype: SBM uncataloged.

Distribution: Segama River basin, eastern Borneo (Ng, *et al.*, 2000).

Hemibagrus gracilis Ng & Ng, 1995

Hemibagrus gracilis Ng & Ng, 1995: 136, figs. 1–3, 4a. Type locality: Peninsular Malaysia: Johor, Ulu Endau, Sungei Jasin. Holotype: ZRC 21484.

Distribution: Upper reaches of Sungei Endau and Sungei Kinchin, Endau-Rompin region, Peninsular Malaysia (Ng & Ng, 1995).

Hemibagrus guttatus (La Cepède, 1803)

Pimelodus guttatus La Cepède, 1803: 96, 111, pl. 5 (fig. 1). Type locality: [China]. No types known; description based on illustration [reproduced in Kottelat *et al.* (1994)].

Macrones elongatus Günther, 1864: 77. Type locality: Singapore [probably in error, possibly China; see Kottelat *et al.* (1998: 567)]. Holotype: BMNH 1855.9.19.1099; illustrated in Jayaram (1978b: 223, fig. 2, and Kottelat *et al.* (1998: 567, fig. 1).

Macrones chinensis Steindachner, 1883: 196. Type locality: Kanton, China. Holotype: at NMW. Species illustrated and described in more detail in Steindachner (1884: 1111, pl. 8). Holotype also illustrated in Jayaram (1978b: 223, fig. 3).

Distribution: Qiantangjiang, Jiulongjiang, Hanjiang, Zhujiang, Yuanjiang, China (Chu *et al.*, 1999); Nam Xam and Nam Ma Basins, Laos, and Red River (Kottelat, 2001b).

Remarks: Synonymy follows Kottelat *et al.* (1998).

Hemibagrus hainanensis (Tchang, 1935)

Leiocassis hainanensis Tchang, 1935b: 175, fig. 2. Type locality: Hainan I., China. Holotype: ASIZB [= ZMFMIB 12904].

Distribution: Hainan Island, China.

Hemibagrus hoevenii (Bleeker, 1846)

Bagrus Hoevenii Bleeker, 1846a: 154. Type locality: Batavia [now Sungai Muar at Kampung Bukit Kebong, Johor,

Malaysia, by neotype designation]. Neotype: ZRC 37472, proposed in Kottelat *et al.* (1994: 332) and designated by ICZN (1996; Opinion 1840). Neotype illustrated by Kottelat & Lim (1995: fig. 1).

Distribution: Kapuas and Baram River basins, Borneo, Musi and Batang Hari River basins, Sumatra, and Johor, Pahang, and Muar River basins, western Malaysia (Kottelat & Lim, 1995).

Remarks: Redescribed in Kottelat & Lim (1995).

***Hemibagrus hongus* Mai, 1978**

Hemibagrus elongatus hongus Mai, 1978: 252. Type locality: [Hông River and Lam River] Vietnam. Syntypes: at DVZUT.

Distribution: Northern Vietnam (Kottelat, 2001a).

***Hemibagrus imbrifer* Ng & Ferraris, 2000**

Hemibagrus imbrifer Ng & Ferraris, 2000: 126, fig. 1. Type locality: Mae Nam Moei at Ban Wan Le, 16°17'24"N, 98°42'21"E, Salween basin, Tak Prov., Thailand. Holotype: ZRC 45406.

Distribution: Salween River basin (Ng & Ferraris, 2000).

***Hemibagrus johorensis* (Herre, 1940)**

? *Macrones bleekeri* Volz, 1903a: 556. Type locality: Brackish water at Banjuasin, Palembang, Sumatra. Holotype: NMBE 1020756. Preoccupied by *Macrones bleekeri* Day, 1877. Species illustrated and described in more detail in Volz (1903b: 387, pl. 26 [not 25 as stated], fig. 3).

Mystus johorensis Herre, 1940: 13, pls. 7–8. Type locality: Sungai Kayu, 16 miles north of Kota Tinggi, Johore [Malaysia]. Holotype: SU 33026.

Distribution: Peninsular Malaysia and Sumatra.

***Hemibagrus macropterus* Bleeker, 1870**

Hemibagrus macropterus Bleeker, 1870: 257, unnumbered pl. (bottom fig.). Type locality: [Yangtze River, China]. Holotype: Whereabouts unknown. Often placed in *Mystus* in Chinese literature.

Distribution: From Changjiang [Yangtze River] to Zhujiang [=Pearl River], China (Chu *et al.*, 1999).

† ***Hemibagrus major* Roberts & Jumnonngthai, 1999**

† *Hemibagrus major* Roberts & Jumnonngthai, 1999: 168, fig. 14 (tooth only). Type locality: Thailand, North-central, Phetchabun Province, Ban Nong Pla; Miocene. Holotype: Department of Natural Resources, Thailand (DNR) TF 5011 (incomplete specimen).

Distribution: North-central, Phetchabun Province, Ban Nong Pla, Thailand; Miocene; known only from type.

***Hemibagrus maydelli* (Rössel, 1964)**

Mystus (Mystus) maydelli Rössel, 1964: 149, fig. 1. Type locality: Indien, Wadgaon, Bhima-Fluss. Holotype: ZMH H 2180.

Mystus krishnensis Ramakrishniah, 1988: 139, figs. 1–2. Type locality: Nagarjunasagar reservoir, India. Holotype: ZSI FF2532.

Distribution: Middle reaches of Krishna River, peninsular India (Ng & Ferraris, 2000).

***Hemibagrus menoda* (Hamilton, 1822)**

Pimelodus menoda Hamilton, 1822: 203, 379. Type locality: Kosi, Mahananda, and other rivers in north of Behar and Bengal [now: Bangladesh, Suarma (Meghna) drainage, Sharighat bazaar, 22 miles NE of Sylhet on Sylhet-Shillong hwy, by neotype designation]. Neotype: UMMZ 208726, illustrated in, and designated by, Ng & Ferraris (2000:136, fig. 5). Plate 1 of Hamilton (1822), labelled *Mugil corsula*, and replaced by *Pimelodus* in corrigenda, appears to refer to this species.

Bagrus corsula Valenciennes, in Cuvier & Valenciennes, 1840a: 408 (302 in Strasbourg deluxe edition). Type locality: Bengale [now: Bangladesh, Suarma (Meghna) drainage, Sharighat bazaar, 22 miles NE of Sylhet on Sylhet-Shillong hwy by neotype designation]. Neotype: UMMZ 208726, illustrated in, and designated by, Ng & Ferraris (2000:132, fig. 5). Based on illustration in Hamilton (1822: pl. 1) originally labelled as *Mugil corsula*, but changed in corrigenda to *Pimelodus*, which apparently was interpreted by Valenciennes to mean *Pimelodus corsula*. However, there is no justification for ascribing the name *P. corsula* to Hamilton, so its first use is that of Valenciennes.

Bagrus trachacanthus Valenciennes, in Cuvier & Valenciennes, 1840a: 419 (311 of Strasbourg deluxe edition). Type locality: Bengale. Syntype: MNHN 0000-1191 (1).

Macrones corsula Day, 1869: 307. Type locality: Mahanuddi River at Cuttack, India. Syntypes (3): Whereabouts unknown. Apparently intended as a new name, based in part on Hamilton (1822: pl. 1, fig. 72).
Distribution: Ganges, Brahmaputra, Mahanadi and Godavari River basins, Bangladesh and India (Ng & Ferraris, 2000).

Hemibagrus microphthalmus (Day, 1877)

Macrones microphthalmus Day, 1877 (in Day, 1875–78): 446, pl. 100 (fig. 4). Type locality: Burma, along the valley of the Irrawaddy. Possible syntypes: AMS B.7918 (1), ZSI 2592 (1).

Distribution: Salween River, Thailand; Irrawaddy and Sittang Rivers, Myanmar; and Manipur River, India (Ng & Ferraris, 2000).

Remarks: Roberts & Jumnonthai (1999: 176) and Ng & Rainboth (1999: 576) cite ZSI 2592 as the holotype of the species, although Day indicated that multiple specimens were examined.

Hemibagrus nemurus (Valenciennes, 1840)

Bagrus nemurus Valenciennes, in Cuvier & Valenciennes, 1840a: 423 (314 of Strasbourg deluxe edition). Type locality: Java. Holotype: Possibly RMNH 269 (not found) or at MNHN. Placed on Official List (Opinion 2011) (ICZN, 2002).

Bagrus Sieboldii Bleeker, 1846a: 155. Type locality: Batavia. Syntypes (size and number not stated): RMNH 15881 (5), SMNS 10572 (1). Placed on Official List (Opinion 2011) (ICZN, 2002).

Mystus pahangensis Herre, 1940: 14, pl. 9. Type locality: Sungai Garam, near Karak, Pahang [Malaysia]. Holotype: SU 33025.

Distribution: Java and likely in river basins of neighboring regions.

Remarks: This name has been applied to populations that have been subsequently determined to belong to distinct species, but the geographic limits of *Hemibagrus nemurus* have not been clearly stated. Ng & Rainboth (1999: 560) treat the name *Macrones luridus* in Tirant (1911) as a *nomen nudum* and possibly intended for this species.

Hemibagrus olyroides (Roberts, 1989)

Mystus olyroides Roberts, 1989a: 124, fig. 95. Type locality: Sintang Market (reportedly caught in Sungai Kebian), Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3625.

Distribution: Kapuas River, western Borneo (Roberts, 1989a).

Hemibagrus peguensis (Boulenger, 1894)

Macrones peguensis Boulenger, 1894b: 196. Type locality: Sittang River near Toungoo [Burma]. Syntypes: BMNH 1894.5.21.25–26 (2).

Distribution: Irrawaddy, Sittang and Pegu River basins, Myanmar (Ng & Ferraris, 2000).

Hemibagrus planiceps (Valenciennes, 1840)

Bagrus planiceps Valenciennes, in Cuvier & Valenciennes, 1840a: 421 (311 of Strasbourg deluxe edition). Type locality: Java. Lectotype: RMNH 2939, designated by Ng *et al.* (1999: 38). Roberts (1993: 30) citation of MNHN b-0615 as holotype is incorrect (M. Kottelat, pers. comm.). Placed on Official List (Opinion 2011) (ICZN, 2002).

Bagrus anisurus Valenciennes, in Cuvier & Valenciennes, 1840a: 422 (313 of Strasbourg deluxe edition). Type locality: Java. Lectotype: RMNH 2956; designated by Kottelat (1999: 272). Previously unpublished illustration of lectotype reproduced in Roberts (1993: 30, fig. 66), but incorrectly listing the specimen as holotype (M. Kottelat, pers. comm.).

Bagrus flavus Bleeker, 1846a: 156. Type locality: Batavia. Holotype or syntype (size and number not stated): RMNH 15897 (1 of 4), SMNS 10570 (1). Placed on Official List (Opinion 2011) (ICZN, 2002).

Distribution: Java.

Remarks: Bleeker (1858e: 417) acted as first reviser in giving precedence to *Hemibagrus planiceps* over *Bagrus anisurus*.

Hemibagrus pluriradiatus (Vaillant, 1892)

Macrones pluriradiatus Vaillant, 1892a: 126. Type locality: Tonkin. Holotype: MNHN 1892-0048; illustrated in Vaillant (1904: 462, pl. 23, fig. 2) and Jayaram (1978b: 223, fig. 1).

Distribution: Yuianjiang, Hainan Island, China (Chu *et al.*, 1999); Nam Xam basin, Laos, Red River, Viet Nam and China (Kottelat, 2001a, b).

Remarks: Also treated as valid in *Mystus* in some recent literature.

Hemibagrus punctatus (Jerdon, 1849)

Bagrus punctatus Jerdon, 1849: 339. Type locality: Cavery and its principal tributaries, southern India. No types known.

Distribution: Cauvery River basin to Bhavani River in Tamil Nadu; also rivers in Mysore, Western Ghats and adjoining hills, peninsular India (Jayaram & Anuradha, 2003).

Hemibagrus sabanus (Inger & Chin, 1959)

Mystus sabanus Inger & Chin, 1959: 294. Type locality: Kinabatangan River at Deramakot, Kinabatangan District, North Borneo. Holotype: FMNH 68088.

Distribution: Kinabatangan River, Borneo, Malaysia (Inger & Chin, 1959).

Hemibagrus spilopterus Ng & Rainboth, 1999

Hemibagrus spilopterus Ng & Rainboth, 1999: 562, figs. 5, 7a, 8a. Type locality: Cambodia: Kandal, Bassac River at village of Prek Chey on Vietnamese border (10°57'N, 105°06'E). Holotype: UMMZ 232611.

Distribution: Lower Mekong River basin, Cambodia (Ng & Rainboth, 1999).

Hemibagrus variegatus Ng & Ferraris, 2000

Hemibagrus variegatus Ng & Ferraris, 2000: 139, fig. 12. Type locality: Tenasserim River, Myanmar. Holotype: BMNH 1992.11.16.11.

Distribution: Tenasserim River basin, Myanmar (Ng & Ferraris, 2000).

Hemibagrus velox Tan & Ng, 2000

Hemibagrus velox Tan & Ng, 2000: 272, figs. 2–4. Type locality: Sumatra Barat: Sungai Dareh, Pulau Punjung market, Sumatra. Holotype: MZB 9305.

Distribution: Rivers of central Sumatra (Tan & Ng, 2000).

Hemibagrus vietnamicus Mai, 1978

Hemibagrus vietnamicus Mai, 1978: 252, fig. 116 [not 115]. Type locality: [Mountain streams in North Vietnam]. Syntypes: at DVZUT. Spelled *Hemibagrus vietnammicus* in index (p. 337). Eschmeyer *et al.* (1998: 1760) acted as first reviser in selecting *vietnamicus* as the correct spelling.

Distribution: Nam Ma and Nam Xam, Laos, and Northern Vietnam (Kottelat, 2001b).

Hemibagrus wyckii (Bleeker, 1858)

Bagrus Wyckii Bleeker, 1858b: 150, 156. Type locality: Java, in flumine Tjitarum, provinciae Preanger, prope vicum Parongkalong. Syntypes (2: 320–440 mm TL): BMNH 1863.12.4.88 (1, 247 mm SL, 306 mm TL), RMNH 6897 (1). Illustrated in Bleeker (1862–63: 57, pl. 72 [= Silur. pl. 24]).

Distribution: Mekong and Chao Phraya River basins, and Sundaland (Kottelat, 2001b).

Hemibagrus wyckioides (Fang & Chaux, 1949)

Macrones (Hemibagrus) Wyckioides Fang & Chaux, in Chaux & Fang, 1949a: 199, fig. 3. Type locality: Cambodia. Holotype: MNHN 1966-0727.

Mystus aubentoni Desoutter 1975: 449, figs. 2–3. Type locality: Stung Treng [Cambodia.] Holotype: MNHN 1974-0039.

Distribution: Mekong River basin, Cambodia, Laos, Thailand and China (Kottelat, 2001b).

Species inquirenda, Hemibagrus

Aoria Amemiyai Kimura, 1934: 166, pl. 5 (fig. 2). Type locality: Howchwan, Szechwan Province, China. Holotype: at Laboratory of Biological Department of the Shanghai Science Institute, Shanghai. As *Aoria amemiyae* on pp. 12 and 166, *Aoria amemiyai* on plate 5; Kottelat *et al.* (1998: 570) act as first revisers in selecting *amemiyai* as valid. Treated as a possible synonym of *Hemibagrus macropterus* by Kottelat *et al.* (1998: 570).

HEMILEIOCASSIS Ng & Lim, 2000

Hemileiocassis Ng & Lim, 2000: 192. Type species: *Hemileiocassis panjang* Ng & Lim, 2000. Type by original designation. Gender: Feminine.

Hemileiocassis panjang Ng & Lim, 2000

Hemileiocassis panjang Ng & Lim, 2000: 192, figs. 1, 2a, 3. Type locality: Indonesia: Java, Bogor. Holotype: ZMA 121529.

Distribution: Western Java (Ng & Lim, 2000).

HYALOBAGRUS Ng & Kottelat, 1998

Hyalobagrus Ng & Kottelat, 1998a: 336. Type species: *Pseudobagrus ornatus* Duncker, 1904. Type by original designation. Gender: Masculine.

Hyalobagrus flavus Ng & Kottelat, 1998

Hyalobagrus flavus Ng & Kottelat, 1998a: 340, fig. 6. Type locality: Indonesia: Sumatra: Jambi: Danau Arang Arang in the vicinity of Muara Kompeh, 1°37'32.0"S, 103°47'19.0"E. Holotype: MZB 9302.

Distribution: Batang Hari drainage, Sumatra and Mentaya River basin, southern Borneo (Ng & Kottelat, 1998a).

Hyalobagrus leiacanthus Ng & Kottelat, 1998

Hyalobagrus leiacanthus Ng & Kottelat, 1998a: 341, fig. 9. Type locality: Indonesia: Borneo: Kalimantan Tengah: Sungai Barito at Muara Laung, 0°35'34.6"S, 114°44'12.3"E. Holotype: MZB 9304.

Distribution: Kapuas and Barito River basins, central Borneo (Ng & Kottelat, 1998a).

Hyalobagrus ornatus (Duncker, 1904)

Pseudobagrus ornatus Duncker, 1904: 173, pl. 2 (figs. 13, 13a–c). Type locality: Muar Fluß bei Tubing Tinggi, malayischen Halbinsel. Lectotype: ZMH H69, designated by Ladiges *et al.* (1958: 160); lectotype illustrated by Jayaram (1968b: pl. 1) and Ng & Kottelat (1998a: fig. 10).

Distribution: Muar River drainage, southern Malay Peninsula (Ng & Kottelat, 1998a).

LEIOCASSIS Bleeker, 1857

Leiocassis Bleeker, 1857b: 416. Type species: *Bagrus micropogon* Bleeker, 1852. Type by monotypy. Gender: Feminine.

Liocassis Günther, 1864: 86. Type species: *Bagrus micropogon* Bleeker, 1852. Type by monotypy. Gender: Feminine. Unjustified emendation of *Leiocassis* Bleeker, 1857.

Rhinobagrus Bleeker, 1865: 7. Type species: *Rhinobagrus dumerili* Bleeker, 1865. Type by monotypy. Gender: Masculine.

Nasocassis Nichols, 1925: 1. Type species: *Liocassis longirostris* Günther, 1864. Type by original designation. Originally proposed as a subgenus of *Leiocassis*. Gender: Feminine.

Dermocassis Nichols, 1925: 1. Type species: *Bagrus ussuriensis* Dybowski, 1872. Type by original designation. Originally proposed as a subgenus of *Leiocassis*. Gender: Feminine.

Leiocassis aculeatus Ng & Hadiaty, 2005

Leiocassis aculeatus Ng & Hadiaty, 2005: 84, fig. 1. Type locality: Sumatra: Aceh province: Sungai Soraya, tributary of Sungai Alas. Holotype: MZB 8715.

Distribution: Alas River basin, northern Sumatra Ng & Hadiaty (2005).

Leiocassis crassilabris Günther, 1864

Liocassis crassilabris Günther, 1864: 88. Type locality: China. Holotype: BMNH 1864.7.9.9.

Leiocassis crassilabris macrops Nichols, 1926a: 2, fig. 2. Type locality: Min R., near Yenping (Nanping), Fukien Prov., China. Holotype: AMNH 8445.

Distribution: from Huanghe [= Yellow River] to Zhujiang [= Pearl River] (Chu *et al.*, 1999).

Leiocassis crassirostris Regan, 1913

Liocassis crassirostris Regan, 1913b: 552. Type locality: Kiatiang-fu, Sze Chuen, China. Syntypes (2): BMNH 1891.6.13.23.

Distribution: Sichuan, China.

Leiocassis herzensteini (Berg, 1907)

Macrones herzensteini Berg, 1907: 421. Type locality: [Onon River mouth, Russia]. Syntypes: ZIN 7092.

Distribution: Onon River basin, Russia.

Leiocassis longibarbus Cui, 1990

Leiocassis longibarbus Cui, 1990: 153, fig. 156. Type locality: Kinsha River system, Yunnan, China. Holotype: KIZ

818719.

Distribution: Jinsha River basin [= upper Yangtze River], China (Cui, 1990).

Leiocassis longirostris Günther, 1864

Leiocassis longirostris Günther, 1864: 87, unnumbered figure. Type locality: Japan [possibly in error for China].

Holotype: BMNH 1862.11.1.1.

Rhinobagrus dumerili Bleeker, 1865: 7. Type locality: China. Holotype: Whereabouts unknown.

Distribution: from Yalujiang [= Yalu River] to Minjiang [Yangtze River tributary], China (Chu *et al.*, 1999); Seoul, Pyongyang Kim River, Korea (Mori, 1952).

Remarks: Lee & Kim (1990: 133) state that Günther's name appeared first; Rendahl (1927) apparently came to the opposite conclusion and treated *Leiocassis dumerili* as valid. Weber & de Beaufort list the Bleeker paper as having been published in 1865, which is followed here, which results in *Leiocassis longirostris* as the valid name.

Leiocassis micropogon (Bleeker, 1852)

Bagrus micropogon Bleeker, 1852a: 94. Type locality: Blitong, in flumine Tjirutjup [Malaysia]. Holotype (79 mm TL): possibly in RMNH 6873 (2).

Leiocassis chaseni de Beaufort, 1933: 34. Type locality: Ulu Jelai, Pahang, Pahang basin, Malaysia. Holotype: ZRC 290.

Distribution: Malay Peninsula, Sumatra and Borneo (Roberts, 1989a).

Leiocassis poecilopterus (Valenciennes, 1840)

Bagrus poecilopterus Valenciennes, in Cuvier & Valenciennes, 1840a: 431 (320 of Strasbourg deluxe edition). Type locality: rivière de Hèbak à Java. Holotype: RMNH 3004.

Leiocassis regani Jayaram, 1965a: 9. Type locality: North Borneo: Sadong. Holotype: USNM 35732.

Distribution: Java, Borneo and possibly elsewhere in Southeast Asia.

Leiocassis saravacensis Boulenger, 1894

Liocassis saravacensis Boulenger, 1894a: 246. Type locality: Senah, Sarawak state, Borneo, East Malaysia. Syntypes: BMNH 1893.3.6.168–169 (2).

Distribution: Borneo.

Leiocassis tenuifurcatus Nichols, 1931

Leiocassis tenuifurcatus Nichols, 1931: 1. Type locality: Chungan Hsien, northwestern Fukien Province, China.

Holotype: AMNH 9681; holotype illustrated in Nichols (1943: 46, fig. 9).

Distribution: Fukien Province, China.

Species inquirendae, Leiocassis

Liocassis baramensis Regan, 1906b: 67. Type locality: Baram R., Sarawak state, Borneo, East Malaysia. Holotype: BMNH 1898.11.14.1. Treated in recent literature as a synonym of either *Leiocassis micropogon* or *Leiocassis poecilopterus*.

Liocassis doriae Regan, 1913b: 551. Type locality: Borneo. Holotype: BMNH 1868.1.28.30. Treated in recent literature as valid or as a synonym of *Leiocassis micropogon* or *Leiocassis poecilopterus*.

Liocassis Hosii Regan, 1906b: 67. Type locality: Sibuluan, Sarawak state, Borneo, East Malaysia. Syntypes (6): BMNH 1906.10.29.18–22 (5). Treated as a synonym of *Leiocassis micropogon* or *Leiocassis poecilopterus*.

Liocassis merabensis Regan, 1913b: 550. Type locality: Merabeh, North Borneo. Syntypes: BMNH 1893.3.6.170–171 (2). Treated as a synonym of *Leiocassis micropogon* or *Leiocassis poecilopterus*.

MYSTUS Scopoli, 1777

Mystus Scopoli, 1777: 451. Type species: Appeared first without species. Type widely listed as *Bagrus halepensis* Valenciennes, 1840, with type by subsequent designation by Jordan & Evermann (1917: 21) [see Remarks]. Gender: Masculine.

Aspidobagrus Bleeker, 1862 (in Bleeker, 1862–63): 9. Type species: *Bagrus gulio* [= *Pimelodus gulio* Hamilton, 1822]. Type by original designation. Gender: Masculine.

Hypselobagrus Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Bagrus macronemus* Bleeker, 1846. Type by

original designation. Gender: Masculine.

Heterobagrus Bleeker, 1864b: 355. Type species: *Heterobagrus bocourti* Bleeker, 1864. Type by original designation. Gender: Masculine.

Prajadhipokia Fowler, 1934b: 338. Type species: *Prajadhipokia rex* Fowler, 1934. Type by original designation. Gender: Feminine.

Remarks: *Heterobagrus* is treated in some literature as valid with *Prajadhipokia* as a synonym. Roberts (1994: 243) indicated that Jordan & Evermann's (1917: 21) selection of *Bagrus halepensis* as type of *Mystus* Gronovius (a name that was ruled to be unavailable in ICZN Opinion 261 (ICZN, 1954: 281) also applied to *Mystus* Scopoli. See Jayaram & Anuradha (1984) for summary of nomenclatural history of *Mystus*.

Revision: Jayaram & Anuradha (2003, *sensu lato*, including *Hemibagrus*).

Review: Jayaram (1954, southern Asia); Roberts (1994, selected species, as *Mystus sensu stricto*).

Mystus alasensis Ng & Hadiaty, 2005

Mystus alasensis Ng & Hadiaty, 2005: 86, fig. 3. Type locality: Sumatra: Aceh province: Sungai Lembang, Gunung Leuser National Park. Holotype: MZB 8704.

Distribution: Alas River basin, northern Sumatra (Ng & Hadiaty, 2005).

Mystus albolineatus Roberts, 1994

Mystus albolineatus Roberts, 1994: 245, fig. 1. Type locality: Prachinburi market, Bangpakong basin [Thailand]. Holotype: CAS 79030.

Distribution: Mekong, Bangpakong and Chao Phraya River basins (Roberts, 1994; Kottelat, 2001b).

Mystus armatus (Day, 1865)

Macrones armatus Day, 1865b: 289, fig. Type locality: Rivers and occasionally in backwaters, Cochin, India. Possible syntypes: BMNH 1865.7.17.21 (1), BMNH 1975.9.30.13 (1, dry), NMW 45165 (1), ZSI F1084 (1, lost).

Distribution: Malabar and Wayanad hills, Kerala and Manipur, India, and Mergui District, Myanmar (Jayaram & Anuradha, 2003).

Mystus armiger Ng, 2004

Mystus armiger Ng, 2004b: 883, fig. 1. Type locality: Malaysia: Kelantan, Kelantan River at Kampung Kuala Besar, 200 m from the sea (6° 12'N, 102°12'E). Holotype: CAS 218896.

Distribution: Kelantan River, Malaysia (Ng, 2004b).

Mystus atrifasciatus Fowler, 1937

Mystus atrifasciatus Fowler, 1937: 146, figs. 35–37. Type locality: Pitsanulok, Siam. Holotype: ANSP 67907.

Distribution: Mekong, Meklong and Chao Phraya River basins (Roberts, 1993; Kottelat, 2001b).

Mystus bimaculatus (Volz, 1904)

Macrones bimaculatus Volz, 1904: 466. Type locality: Sengi Si Russu and Kwintang River, near Djapura (Indragari), Sumatra. Syntypes (5): MHNG 683.28 (1), NMW 45166 (1), NMW 45167 (1).

Distribution: Sumatra (Volz, 1904).

Mystus bleekeri (Day, 1877)

Macrones bleekeri Day, 1877 (in Day, 1875–78): 451, pl. 101 (fig. 1). Type locality: Sind, Jumna, upper waters of the Ganges, and Burma [locality of lectotype not stated]. Lectotype: ZSI 1076, designated by Sharma & Dutt (1983: 334).

Distribution: Ganges, Indus and Mahanadi River basins (Roberts, 1994).

Remarks: Lectotype designation by Roberts (1994: 246) of RMNH 3024 is invalid because of the prior designation by Sharma & Dutt (1983: 334). This name may be a senior synonym of *Mystus rufescens* (Vinciguerra), if the lectotype was selected from the Burmese specimens of Day.

Mystus bocourti (Bleeker, 1864)

Heterobagrus Bocourti Bleeker, 1864b: 355, pl. Type locality: Siam. Holotype: MNHN 0000-1553.

Prajadhipokia rex Fowler, 1934b: 339, figs. 3–4. Type locality: Bangkok, Siam. Holotype: ANSP 60179.

Distribution: Mekong and Chao Phraya River basins (Roberts, 1994; Kottelat, 2001b).

Mystus castaneus Ng, 2002

Mystus castaneus Ng, 2002d: 163, fig. 2. Type locality: Borneo: Sarawak, Serian market, from Sungai Sadong. Holotype: ZRC 41848.

Distribution: Central Sumatra, Borneo and the Malay Peninsula (Ng, 2002d).

Mystus cavasius (Hamilton, 1822)

Pimelodus cavasius Hamilton, 1822: 203, 379, pl. 11 (fig. 67). Type locality: larger freshwater rivers of the Gangetic provinces. No types known.

Mystus mukherjii Ganguly & Datta, 1975: 293, figs. 1–2. Type locality: Subarnarekha River, below water falls at Hundru, Ranchi District, Bihar, India. Holotype: at Fish. Lab., Dept. Zool., Univ. Calcutta.

Distribution: Ganges, Brahmaputra, Mahanadi, Subarnarekhar and Godavari river basins, India, Bangladesh and Nepal (Chakrabarty & Ng, 2005).

Remarks: See Dutt *et al.* (1982) for comments on the validity of this species.

† ***Mystus dalungshanensis*** Li & Wang, 1979

† *Mystus dalungshanensis* Li & Wang, 1979: 48, fig. 13. Type locality: China: Guangdong, Sanshui Basin and adjacent districts; Early-Tertiary. Holotype: H-74116–1 (repository not stated).

Distribution: Guangdong, China; Eocene (Chang & Zhou, 1993)

Remarks: Apparently also described as new in Wang *et al.* (1981: 21, English 73).

Mystus falcarius Chakrabarty & Ng, 2005

Mystus falcarius Chakrabarty & Ng, 2005: 13, fig. 7. Type locality: Myanmar: Kachin State, Myitkyina market. Holotype: CAS 89001.

Distribution: Irrawaddy, Salween and coastal river basins, Myanmar (Chakrabarty & Ng, 2005).

Mystus gulio (Hamilton, 1822)

Pimelodus gulio Hamilton, 1822: 201, 379, pl. 23 (fig. 66). Type locality: Higher parts of the Gangetic estuaries, where the water is not very salt. No types known.

Bagrus abbreviatus Valenciennes, in Cuvier & Valenciennes, 1840a: 420 (311 of Strasbourg deluxe edition). Type locality: Java. Holotype: RMNH 2942; previously unpublished illustration of holotype reproduced in Roberts (1993: 28, fig. 62).

Bagrus albilabris Valenciennes, in Cuvier & Valenciennes, 1840a: 416 (308 of Strasbourg deluxe edition). Type locality: Calcutta ... Bengal ... Ceilan ... Pondichéry. Syntypes: MNHN 0000-4172 (1), MNHN 0000-4336 (2), MNHN a-8967 (6), MNHN a-9009 (1).

Bagrus Birmannus Valenciennes, in Cuvier & Valenciennes, 1840a: 419 (310 of Strasbourg deluxe edition). Type locality: dans l'Irawadi. Holotype: MNHN 0000-0577.

Bagrus fuscus Valenciennes, in Cuvier & Valenciennes, 1840a: 417 (309 of Strasbourg deluxe edition). Type locality: Environs de Cananor. Holotype: MNHN 0000-0590.

Bagrus gulioides Bleeker, 1846a: 152. Type locality: Batavia. Syntypes (size and number not stated): RMNH 6862 (some of 23).

Bagrus melas Bleeker, 1846a: 152. Type locality: Java. Type(s) (size and number not stated): Whereabouts unknown.

Bagrus rhodopterygius Bleeker, 1846a: 153. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.

Bagrus Schlegelii Bleeker, 1846a: 153. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.

Distribution: Estuaries and lower portions of rivers of India, Bangladesh and Myanmar; and Java (Roberts, 1993).

Remarks: Synonymy of *Bagrus birmannus* based on examination of holotype; synonymy of *Bagrus abbreviatus* follows Roberts (1993: 28). The name *Silurus porosus* in Hora (1933: 133), which has often been treated as a synonym of *Mystus gulio*, is not available, as it was not treated as a valid species therein.

Mystus horai Jayaram, 1954

Mystus (Mystus) vittatus horai Jayaram, 1954: 536, pl. 19; text fig. 4. Type locality: River Indus, Kalabagh [Pakistan]. Syntypes (4): lost (Jayaram & Anuradha, 2003).

Distribution: Indus River (Jayaram & Anuradha, 2003; Mirza, 2003).

Mystus impluviatus Ng, 2003

Mystus impluviatus Ng, 2003a: 373, fig. 1. Type locality: Borneo: Kalimantan Timur, small river on road 12.2 km from Sebulu crossroads towards forest and 59 km from Air Putih crossroads (0°16'S, 117°0'E). Holotype: CAS

97049.

Distribution: Mahakam River basin, eastern Borneo (Ng, 2003a).

Mystus leucophasis (Blyth, 1860)

Bagrus leucophasis Blyth, 1860: 148. Type locality: Sitang and other Burma rivers. Possible type: AMS B.7925 (1).

Distribution: Irrawaddy and Sittang River basins, Myanmar (pers. obs.).

Mystus malabaricus (Jerdon, 1849)

Bagrus Malabaricus Jerdon, 1849: 338. Type locality: Mountain streams of Malabar [southern India]. No types known.

Hara Malabarica Day, 1865a: 184, pl. 13 (fig. 3). Type locality: Mountain streams of Malabar, India. Possible types: at ZSI and NMW 45228 (1). Neotype designation by Grant (1999: 170) not valid; absence of types and nomenclatural need not clearly demonstrated. Apparently a synonym, and therefore a junior homonym, of *Bagrus malabaricus* Jerdon, 1849.

Mystus canarensis Grant, 1999: 170. Type locality: Mountain streams of Malabar, India. Replacement name for *Hara malabarica* Day, 1865, preoccupied in *Mystus* by *Bagrus malabaricus* Jerdon, 1849.

Distribution: Malabar Coast, Wayanad hills and Travancore hill ranges, India (Jayaram & Anuradha, 2003).

Remarks: Synonymy of *Hara malabarica* follows Jayaram & Anuradha (2003).

Mystus montanus (Jerdon, 1849)

Bagrus montanus Jerdon, 1849: 337. Type locality: River at Manantoddy in Wynaad, southern India. No types known.

Macrones montanus dibrugarensis Chaudhuri, 1913: 254, pl. 9 (figs. 2, 2a, 2b). Type locality: Dibrugarh [India]. Holotype: ZSI F7795/1. Originally *Macrones montanus* var. *dibrugarensis*.

Distribution: Peninsular India, especially in the western Ghats (Jayaram & Anuradha, 2003).

Mystus multiradiatus Roberts, 1992

Mystus multiradiatus Roberts, 1992: 82, fig. 3b. Type locality: Prachinburi market [Thailand]. Holotype: CAS 76119.

Distribution: Mekong and Chao Phraya River basins (Kottelat, 2001b).

Mystus mysticetus Roberts, 1992

Mystus mysticetus Roberts, 1992: 84, fig. 3c. Type locality: Nakorn Phanom market [Thailand]. Holotype: CAS 76121.

Distribution: Mekong and Chao Phraya River basins (Kottelat, 2001b).

Mystus nigriceps (Valenciennes, 1840)

Bagrus nigriceps Valenciennes, in Cuvier & Valenciennes, 1840a: 412 (305 of Strasbourg deluxe edition). Type locality: Java. Holotype: RMNH 2948; previously unpublished illustration of holotype reproduced in Roberts (1993: 29, fig. 64). Neotype (RMNH 3009) designation by Roberts (1993: 29) apparently invalid, following the reported rediscovery of the holotype by Ng (2002d: 166).

Bagrus micracanthus Bleeker, 1846a: 151. Type locality: Batavia. Syntypes (size and number not stated): possibly AMS B.7574 (1), AMS B.7979 (1), BMNH 1863.12.4.77 (1, 105 mm SL, 134 mm TL), NMV 46463 (1), RMNH 5216. Neotype (RMNH 15857) designation by Roberts (1989a) regarded by Ng (2002d: 166) as unnecessary and therefore invalid.

Distribution: Java and southern Sumatra (Ng, 2002d).

Mystus ocellatus (Valenciennes, 1840)

Bagrus ocellatus Valenciennes, in Cuvier & Valenciennes, 1840a: 424 (314 of Strasbourg deluxe edition). Type locality: la côte de Malabar. Holotype: MNHN 0000-1195.

Distribution: Nilgiris, Western Ghats and hills of Karnataka, Kerala and Tamil Nadu, India (Jayaram & Anuradha, 2003).

Mystus pelusius (Solander, 1794)

Silurus pelusius Solander, in Russell, 1794: 210, pl. 7 (fig. 1). Type locality: Aleppo. No types known.

Bagrus Halepensis Valenciennes, in Cuvier & Valenciennes, 1840a: 413 (306 of Strasbourg deluxe edition). Type locality: la riviere de l'Alep. Syntype: BMNH 1955.6.25.1 (1, 6 inches) Description based on illustrations in Russell (1794: pl. 13, fig. 1) and Gronovius (1763: pl. 8a, fig. 6); BMNH specimen from collection of Russell.

Macrones aleppensis Günther, 1864: 75. Type locality: Aleppo. No types known, based on illustrations in Russell (1794: pl. 13, fig. 1) and Gronovius (1763: pl. 8a, fig. 6). Unjustified emendation of *Bagrus Halepensis* Valenciennes, 1840.

Macrones colvillii Günther, 1874: 36, pl. 8. Type locality: Tigris at Baghdad. Syntypes: BMNH 1874.4.28.6–8 (3), BMNH 1875.1.14.19–21 (3).

Mystus misrai Anuradha, 1986: 292, figs. 1–2. Type locality: Lake Antioche, Syria. Holotype: MHNG 603.95.

Distribution: Euphrates River basin (Roberts, 1994); Tigris River basin (Coad, 1995).

Remarks: Redescribed in Anuradha & Jayaram (1985).

Mystus pulcher (Chaudhuri, 1911)

Macrones pulcher Chaudhuri, 1911: 20, pl. 1 (fig. 4). Type locality: district of Bhamo close to Yunnan border [Upper Burma]. Syntypes: ZSI F4716/1 to F4719/1 (4).

Distribution: Irrawaddy basin and Sittang River, Myanmar.

Mystus punctifer Ng, Wirjoatmodjo & Hadiaty, 2001

Mystus punctifer Ng, Wirjoatmodjo & Hadiaty, 2001a: 356, figs. 1, 2a. Type locality: Sumatra: Aceh, trail in Suag Belimbing research station, Gunung Leuser National Park [Indonesia]. Holotype: MZB 8703.

Distribution: Alas River basin, northern Sumatra (Ng *et al.*, 2001a).

Mystus rhegma Fowler, 1935

Mystus rhegma Fowler, 1935b: 102, fig. 27. Type locality: Bangkok, Siam. Holotype: ANSP 61748.

Distribution: Mekong, Meklong and Chao Phraya River basins (Roberts, 1994; Kottelat, 2001b).

Mystus rufescens (Vinciguerra, 1890)

Macrones rufescens Vinciguerra, 1890: 226, pl. 7 (fig. 2). Type locality: Meetan, Birmania [Myanmar]. Holotype: MSNG 14585.

Distribution: Irrawaddy, Sittang and lower Salween Rivers, Myanmar (Roberts, 1994).

Mystus seengtee (Sykes, 1839)

Pimelodus Seengtee Sykes, 1839: 164. Type locality: Deccan, India. Holotype (6 inches): possibly BMNH 1857.6.13.154 (1, dry). Also described as new in Sykes (1840: 61); illustrated and described in more detail in Sykes (1841: 374, pl. 66, fig. 2). Illustration of type reproduced in Chakrabarty & Ng (2005: 10, fig. 6).

Distribution: Krishna and Cauvery river basins, India (Chakrabarty & Ng, 2005).

Remarks: See Chakrabarty & Ng (2005: 18) for discussion of the status of the holotype of the species.

Mystus singaringan (Bleeker, 1846)

Bagrus heterurus Bleeker, 1846a: 151. Type locality: Batavia [now: Western Java, by neotype designation]. Neotype: RMNH 2951, designated by Roberts (1994: 252).

Bagrus macronemus Bleeker, 1846a: 150. Type locality: Batavia [now: Western Java by neotype designation]. Neotype: RMNH 2951, designated by Roberts (1994: 253), but Eschmeyer *et al.* (1998) indicated that specimens cataloged as SMNS 10571 may be extant syntypes. Preoccupied by *Bagrus macronemus* Ranzani, 1842 (now in the Ariidae, as a synonym of *Bagre bagre*); apparently not replaced.

Bagrus singaringan Bleeker, 1846a: 150. Type locality: Batavia [now Western Java, by neotype designation]. Neotype: RMNH 2951, designated by Roberts (1994: 252).

Distribution: Mekong and Chao Phraya River basins, and Sundaland (Kottelat, 2001b).

Remarks: Roberts (1994: 252) serves as first reviser selecting *Mystus singaringan* over *Bagrus heterurus*; earlier first reviser action of Bleeker (1862–63: 58), in which *Hypselobagrus macronema* is used as valid, with *Bagrus heterurus* and *B. singaringan* as synonyms, is invalid because of the homonymy of *Bagrus macronemus* Ranzani.

† ***Mystus spinipectoralis*** Li & Wang, 1979

† *Mystus spinipectoralis* Li & Wang, 1979: 48, fig. 14. Type locality: China: Guangdong, Sanshui Basin and adjacent districts; Early-Tertiary. Holotype: H.74112 (repository not stated).

Distribution: China, Eocene (Chang & Zhou, 1993).

Remarks: Apparently also described as new in Wang *et al.* (1981: 25, English 74).

Mystus tengara (Hamilton, 1822)

Pimelodus tengara Hamilton, 1822: 183, 377, pl. 3 (fig. 61). Type locality: in the ponds of India. No types known.

Distribution: Widely distributed in northern India, as well as Bangladesh and Pakistan (Jayaram, 1999).

Mystus vittatus (Bloch, 1794)

Silurus vittatus Bloch, 1794: 50, pl. 371 (fig. 2). Type locality: Tranquebar. Holotype: ZMB 2939.

Pimelodus Batasius Hamilton, 1822: pl. 23 (fig. 60). Type locality: Not stated [Ponds of northern parts of Bengal].
No type known. Name available from caption to plate, which corresponds to the text of *Pimelodus carcio*.

Pimelodus carcio Hamilton, 1822: 181, 377, pl. 23 (fig. 60). Type locality: Ponds of northern parts of Bengal. No types known.

Bagrus Keletius Valenciennes, in Cuvier & Valenciennes, 1840a: 411 (305 of Strasbourg deluxe edition). Type locality: Pondichéry. Lectotype: MNHN a-9011, designated by Ng (2002d: 166).

Distribution: Inland and coastal rivers of Pakistan, Nepal India, Sri Lanka, and Bangladesh (Roberts, 1993); published records from Myanmar apparently in error.

Remarks: Day (1871) and Hora (1929: 182) discuss the confusion surrounding the identity of the fish illustrated in Hamilton (1822: pl. 23, fig. 60) as *Pimelodus batusius*. *Bagrus Keletius* Valenciennes, (1840a: 411) was treated by Ng (2002d: 165) as a synonym of either *Mystus armatus* (Day, 1865) or *Mystus vittatus* (Bloch, 1794).

Mystus wolffii (Bleeker, 1851)

Bagrus Wolffii Bleeker, 1851d: 205. Type locality: Bandjarmassing, in fluviis. Holotype (131 mm TL): possibly AMS B.7774 (1), BMNH 1863.12.4.94 (1, 102 mm SL, 129 mm TL), NMV 46225 (1), ZMB 4794 (1).

Distribution: Large rivers from Thailand to Indonesia, in the tidal zone and brackish water (Rainboth, 1996).

Remarks: Holotype listed as BMNH 1863.12.4.94 by Desoutter (1975: 447).

Species inquirenda, Mystus

Pimelodus anisurus M'Clelland, 1842: 583. Type locality: Loodianah and Cabool River at Jullalabad [Afghanistan].
Holotype: Whereabouts unknown, possibly at BMNH. Treated in recent literature as a possible synonym of *Mystus tengara* Hamilton, 1822, but treated by Günther (1864: 190) as a species of *Amblyceps*.

NANOAGRUS Mo, 1991

Nanobagrus Mo, 1991: 125, 143. Type species: *Akysis armatus* Vaillant, 1902. Type by original designation. Gender: Masculine.

Nanobagrus armatus (Vaillant, 1902)

Akysis armatus Vaillant, 1902: 64, fig. 10. Type locality: Tepoe, bords du Mahakam, Bornéo central. Holotype: RMNH 7844.

Distribution: Mahakam and Kapuas River basins, Borneo (Ng & Tan, 1999).

Nanobagrus nebulosus Ng & Tan, 1999

Nanobagrus nebulosus Ng & Tan, 1999: 357, fig. 3a, 4a. Type locality: Malaysia: Johor, Sungai Kahang and tributary ca. 44.4 km from Mersing turnoff to Kluang just before side road to Endau Rompin Taman Negara, km 96 from Mersing to Batu Pahat (2°3.93'N, 103°31.58'E). Holotype: ZRC 42600.

Distribution: Endau and Sedili River drainages, southeastern Malay Peninsula (Ng & Tan, 1999).

Nanobagrus stellatus Tan & Ng, 2000

Nanobagrus stellatus Tan & Ng, 2000: 278, fig. 5a. Type locality: Jambi: Sg. Alai (from aquarium collectors), Sumatra. Holotype: MZB 9306.

Distribution: Batang Hari basin, Sumatra (Tan & Ng, 2000).

† **NIGERIUM** White, 1934

† *Nigerium* White, 1934: 49, 52. Type species: † *Nigerium wurmoense* White, 1934. Type by original designation. Gender: Neuter.

Remarks: Considered to be Bagridae S.L. by Gayet & Meunier (2003).

† ***Nigerium gadense*** White, 1934

† *Nigerium gadense* White, 1934: 52, pl. 7 (fig. 2). Type locality: Gada, Nigeria, in scree; Eocene. Holotype: at National Collection [Nigeria] or BMNH (incomplete skull).

Distribution: Gada, Nigeria: Eocene.

† *Nigerium wurnoense* White, 1934

† *Nigerium wurnoense* White, 1934: 49, pl. 6. Type locality: Reptile bed at Wurno, Nigeria: Eocene. Holotype: at National Collection [Nigeria] or BMNH (incomplete skull).

Distribution: Wurno, Nigeria: Eocene.

† *NKONDOBAGRUS* Van Neer, 1994

† *Nkondobabrus* Van Neer, 1994: 108. Type species: † *Nkondobagrus longistrostris* Van Neer, 1994. Type by monotypy. Gender: Masculine.

† *Nkondobagrus longistrostris* Van Neer, 1994

† *Nkondobagrus longistrostris* Van Neer, 1994: 108, pl. 4. Type locality: Nkondo-Kaiso area, Nkondo Formation, Albertine Rift Valley, Upper Miocene, Uganda. Holotype: apparently at MRAC, NK 2637'89 (anterior portion of neurocranium, with part of vomerine tooth patch).

Distribution: Uganda, upper Miocene (Van Neer, 1994; Gayet & Meunier, 2003: 498).

Remarks: Considered to be Bagridae S.L. by Gayet & Meunier (2003).

OLYRA M'Clelland, 1842

Olyra M'Clelland, 1842: 588. Type species: *Olyra longicaudata* M'Clelland, 1842. Type by subsequent designation, by Gill (1861c: 51). Gender: Feminine.

Review: Hora (1936a).

Olyra burmanica Day, 1872

Olyra burmanica Day, 1872: 711. Type locality: Pegu Yomas, Burma. Lectotype: AMS B.7560; designated by Jayaram (1980: 19).

Distribution: Pegu Yomas; known only from type (Jayaram, 1980).

Olyra horae (Prashad & Mukerji, 1929)

Amblyceps horae Prashad & Mukerji, 1929: 173, pl. 7 (fig. 1). Type locality: Indawgyi Lake along its w. shore near Loimon village, Myitkyina District, Upper Burma. Holotype: ZSI F10854/1.

Distribution: Meghalaya, India, and Indawgyi Lake, Myanmar (Jayaram, 1980).

Remarks: Name appears as *Olyra horai* in recent literature, which reflects an attempt to correct the suffix to the name to the masculine form. However, the original spelling is also an acceptable form and the subsequent spelling should be regarded as a misspelling.

Olyra kempi Chaudhuri, 1912

Olyra kempi Chaudhuri, 1912: 443, pl. 41 (figs. 4, 4a, 4b). Type locality: Mangaldai (Assam-Bhutan Frontier) [North India]. Syntypes (5): ZSI F5387/1 (1).

Distribution: Mangaldai, Assam, India (Jayaram, 1980).

Remarks: Treated in some literature as a synonym of *Olyra longicaudatus*.

Olyra longicaudata M'Clelland, 1842

Olyra longicaudatus M'Clelland, 1842: 588, pl. 21 (fig. 1). Type locality: Kaysah Mountains. Holotype: not saved (M'Clelland, 1842: 572). Name spelled *Olyra longicaudata* on p. 574.

Distribution: Base of Darjelling Himalaya, Assam, India; Tenassarim, Myanmar (Jayaram, 1980).

Species inquirendae, Olyra

Heptapterus Collettii Steindachner, 1881b: 98. Type locality: La Plata [in error]. Syntypes: NMW 46191 (2). Illustrated and described in more detail in Steindachner (1881d: 7, pl. 5, fig. 1). Shown to be a species of *Olyra* in Bockmann & de Pinna (2004).

Olyra elongata Günther, 1883: 140. Type locality: Tenasserim [Burma]. Syntypes: BMNH 1880.12.1.64–67 (7 ?).

PELTEOBAGRUS Bleeker, 1865

Pelteobagrus Bleeker, 1865: 9. Type species: *Silurus calvarius* Basilewsky, 1855. Type by monotypy. Gender: Mas-

culine.

Remarks: Mo (1991) noted that *Pelteobagrus* may not be monophyletic if species placed in *Pseudobagrus* and *Coreobagrus* were excluded.

Pelteobagrus argentivittatus (Regan, 1905)

Macrones argentivittatus Regan, 1905c: 390, pl. 5 (fig. 2). Type locality: Canton, Cungkun, China. Lectotype: MHNG 677.99, designated by Jayaram (1974).

Distribution: from Heilongjiang [Amur River] to Zhujiang [= Pearl River] (Chu *et al.*, 1999).

Pelteobagrus brashnikowi (Berg, 1907)

Macrones (Leiocassis) brashnikowi Berg, 1907: 421. Type locality: [Amur River mouth, Russia]. Syntypes (5): ZIN 13964 (2), ZIN 13965 (2), ZIN 13966 (1), but only two specimens still at ZIN (Naseka & Bogutskaya (2004: 286).

Distribution: Amur River basin (Berg, 1907).

Remarks: Also treated in recent literature as valid in either *Pelteobagrus brashnikowi* or *Leiocassis brashnikowi*; inclusion of species in *Pelteobagrus* follows Naseka & Bogutskaya (2004).

Pelteobagrus eupogon (Boulenger, 1892)

Pseudobagrus eupogon Boulenger, 1892a: 247. Type locality: Shanghai, China. Holotype: BMNH 1891.1.31.19.

Distribution: Changjiang [= Yangtze River] basin (Chu *et al.*, 1999).

Pelteobagrus fulvidraco (Richardson, 1846)

Pimelodus fulvi-draco Richardson, 1846: 286. Type locality: Canton, China. No types known; based on illustration by Reeves, reproduced in Whitehead (1970: pl. 1b). Originally as: *Pimelodus ? fulvi-draco*.

Silurus calvarius Basilewsky, 1855: 241, pl. 9 (fig. 1). Type locality: in aquis fluentibus et stagnantibus atque in sinu Tschiliense [China]. Type(s): Whereabouts unknown.

Distribution: Widely throughout China, except the western plateau and Xinjiang (Chu *et al.*, 1999); Nam Ma Basin, Laos, and northern and central Vietnam (Kottelat, 2001b).

Pelteobagrus intermedius (Nichols & Pope, 1927)

Pseudobagrus intermedius Nichols & Pope, 1927: 331, fig. 5. Type locality: Nodoo, Hainan [China]. Holotype: AMNH 8360. Also treated as valid in *Pseudobagrus*.

Aoria henryi Herre, 1932: 432. Type locality: Canton wholesale fish market, China. Holotype: SU 25724. Treated in recent literature as either a synonym of *Pelteobagrus intermedius* or as valid as *Pseudobagrus henryi*.

Distribution: Hainan Island, from Minjiang to Zhujiang (Chu *et al.*, 1999); Vietnam (Kottelat, pers. comm).

Pelteobagrus mica (Gromov, 1970)

Mystus mica Gromov, 1970: 400, unnumbered figure. Type locality: Lake Omni, middle Amur basin, Russia. Holotype: ZIN 39434.

Distribution: Amur River basin, Russia (Gromov, 1970).

Remarks: Inclusion of species in *Pelteobagrus* follows Naseka & Bogutskaya (2004).

Pelteobagrus microps (Rendahl, 1932)

Leiocassis microps Rendahl, 1932: 93. Type locality: Chungking, China. Holotype: NRM 10163.

Distribution: Chungking, China.

Pelteobagrus nudiceps (Sauvage, 1883)

Pseudobagrus nudiceps Sauvage, 1883a: 145. Type locality: le Lac Biwako, Japon. Holotype: MNHN a-6525. Also described as new (from Siam) in Sauvage (1883b). The later description has been treated as a *Lapsus calami* by Smith (1934: 296; 1945: 6) and Kottelat (1984b: 811).

Distribution: Lake Biwa; central and western Honshu, eastern Shikoku, and northwestern Kyushu islands, Japan (Matsuura *et al.*, 2000). Reported from the Lower Pliocene of Mie Prefecture, Japan, in Watanabe & Okuyama (1994).

Remarks: Occasionally treated as valid as *Pseudobagrus nudiceps*.

Pelteobagrus ussuriensis (Dybowski, 1872)

Bagrus ussuriensis Dybowski, 1872: 210. Type locality: Ussuri and Sungari rivers, Amur R. basin, and Khanka Lake, Russia. Syntype(s): ZMB 7954 (1?).

Pseudobagrus emarginatus Sowerby, 1921: 1. Type locality: Mouth of the Hun Kiang, in the Yalu River on the

South Manchurian Border. Holotype: USNM 76716.

Distribution: from Heilongjiang [= Amur River] to Zhujiang [= Pearl River], China (Chu *et al.*, 1999); Pyeuktong, Engpyen, Taedong River, Han River, Korea (Mori, 1952).

Remarks: Treated in recent literature as valid as either *Leiocassis ussuriensis* and *Pseudobagrus ussuriensis*; inclusion of species in *Pelteobagrus* follows Naseka & Bogutskaya (2004).

Pelteobagrus vachellii (Richardson, 1846)

Bagrus vachellii Richardson, 1846: 284. Type locality: Chikiang, China. Neotype: BMNH 1855.3.27.9, designated by Jayaram (1968b: 300). Originally as “? *Bagrus vachellii*.”

Pseudobagrus chinensis Wu, 1930b: 53, fig. 4. Type locality: Sze-Chwan, China. Holotype: Whereabouts unknown. Name apparently not treated since original description.

Pseudobagrus fangi Wu 1930c: 84, fig. 8. Type locality: Kiating [Szechwan, China]. Holotype: Whereabouts unknown.

Pseudobagrus wui Miao, 1934: 210, fig. 42. Type locality: Chinkiang, southern Kiangsu, China. Holotype: Mus. Biol. Lab. Sci. Soc. China 12495.

Distribution: from Huanghe [= Yellow River] to Zhujiang [= Pearl River], China (Chu *et al.*, 1999); Seoul, Suwon, Taeque, Taedong River, Korea (Mori, 1952).

Pelteobagrus virgatus (Oshima, 1926)

Aoria virgatus Oshima, 1926: 4. Type locality: Kachek River, about 40 mi. above Kachek, Hainan Island, China. Holotype: Whereabouts unknown.

Distribution: Hainan Island, Yuanjiang (Chu *et al.*, 1999).

Remarks: Treated as valid in recent literature as *Pelteobagrus virgatus*, *Pseudobagrus virgatus* or *Leiocassis virgatus*. The name *Pelteobagrus virgatus vinhensis* in Nguyen (1982: 26), is a *nomen nudum* and is not available.

PSEUDOBAGRUS Bleeker, 1859

Pseudobagrus Bleeker, 1859: 257. Type species: *Bagrus aurantiacus* Temminck & Schlegel, 1846. Type by monotypy. Gender: Masculine.

Fluvidraco Jordan & Fowler, 1903: 904. Type species: *Pseudobagrus ransonnetii* Steindachner, 1887. Type by original designation. Gender: Masculine.

Pseudobagrus adiposalis Oshima, 1919

Pseudobagrus adiposalis Oshima, 1919: 181, pl. 48 (fig. 2). Type locality: Tamsui R. near Shinten, Taiwan. Lectotype: FMNH 59079; designated by Eschmeyer (in Eschmeyer *et al.*, 1998: 40).

Distribution: Lingjiang, Oujiang [= Wu River], Xiangjiang, Zhujiang [Pearl River], China (Chu *et al.*, 1999); Taiwan.

Pseudobagrus albomarginatus (Rendahl, 1928)

Leiocassis albomarginatus Rendahl, 1928: 170. Type locality: Tang-tu-hsien, Anhui, China. Syntypes: NRM 10017 (5).

Distribution: Anhui and Guangdong, China.

Pseudobagrus analis (Nichols, 1930)

Leiocassis (Dermocassis) analis Nichols, 1930: 4, fig. 3. Type locality: Hokou (Chaoshan), ne. Kiangsi Prov., China. Holotype: AMNH 9680.

Distribution: middle and lower Changjiang [= Yangtze River], China (Chu *et al.*, 1999).

Pseudobagrus aurantiacus (Temminck & Schlegel, 1846)

Bagrus aurantiacus Temminck & Schlegel, 1846, in Temminck & Schlegel, 1843–50: 227, pl. 104 (fig. 2). Type locality: Japan. Lectotype: RMNH 2952a, designated by Boeseman (1947: 169).

Pseudobagrus ransonnetii Steindachner, in Steindachner & Döderlein, 1887: 287. Type locality: Osaka, Japan. Syntypes (2): at NMW.

Distribution: Western Kyushu and Iki Islands, Japan (Matsuura *et al.*, 2000).

Remarks: Redescribed in Watanabe & Maeda (1995).

Pseudobagrus brevianalis Regan, 1908

Pseudobagrus brevianalis Regan, 1908f: 151. Type locality: Lake Candidius, Formosa. Syntypes: BMNH

1908.5.27.23–28 (6).

Distribution: Taiwan (Chu *et al.*, 1999).

Pseudobagrus brevicaudatus (Wu, 1930)

Leiocassis brevicaudatus Wu, 1930c: 81, fig. 7. Type locality: Chungking, Szechwan, China. Holotype: Whereabouts unknown.

Leiocassis lui Tchang & Shih, 1934: 434. Type locality: valey of Lower Kialingkiang, from Chungking to Hochuan of Szechwan province [China]. Holotype: ZMFMIB 9720.

Distribution: Changjiang [= Yangtze River] basin, China (Chu *et al.*, 1999).

Remarks: See Zhang & Wang (1996) for taxonomic discussion.

Pseudobagrus gracilis Li, Chen & Chan, 2005

Pseudobagrus gracilis Li, Chen & Chan, 2005: 50, fig. 1. Type locality: China: Guangxi Province, Guilin City, Zhujiang basin, Lijiang drainage, 29°55'23 N, 118°28'12 E. Holotype: SCNU 0410002.

Distribution: Beijiang and Xijiang [= West River] River basins, southern China (Li *et al.*, 2005).

† ***Pseudobagrus ikiensis*** Watanabe & Uyeno, 1999

† *Pseudobagrus ikiensis* Watanabe & Uyeno, 1999: 398, figs. 2–3 Type locality: Chojabaru Formation (Ika Group) Middle Miocene, diatomite at Hachiman, Ashibe, Iki Island, Nagasaki Prefecture, Japan. Holotype: GSJ F 7735 (complete skeleton).

Distribution: Nagasaki Prefecture, Japan; Middle Miocene.

Pseudobagrus koreanus Uchida, 1990

Pseudobagrus koreanus Uchida, in Lee & Kim, 1990: 124, figs. 3b, 6. Type locality: Namwôn-shi, Sômjin R., Korea. Holotype: BKNU 1111.

Distribution: Sômjin River, Korea (Uchida, in Lee & Kim, 1990).

Pseudobagrus medianalis (Regan, 1904)

Macrones medianalis Regan, 1904a: 194. Type locality: Sea of Tien [Tien Chih], Yunnan Fu, China, elev. 6000 ft. Syntypes: BMNH 1904.1.26.44–46 (3).

Distribution: Dianchi Lake, China (Chu *et al.*, 1999).

Pseudobagrus omeihensis (Nichols, 1941)

Leiocassis omeihensis Nichols, 1941: 1. Type locality: Omeih sien, Szechwan Prov., China, elev. 1600 ft. Holotype: AMNH 15217.

Distribution: Emei, Sichuan, China (Chu *et al.*, 1999).

Pseudobagrus ondon Shaw, 1930

Pseudobagrus ondon Shaw, 1930: 111, figs. 1–2. Type locality: Small river at Shing-Tsong, Chekiang [Zhekjiang], China. Holotype: ASIZB [= ZMFMIB 4449].

Distribution: Luohe, Oujiang, Linghiang, Caojiang, Huaihe, Hanshui, China (Chu *et al.*, 1999).

Pseudobagrus pratti (Günther, 1892)

Macrones pratti Günther, 1892: 245, pl. 1 (fig. b). Type locality: Kia-tiang-fu, Szechwan [Sichuan], Prov., China, elev. 1070 ft. Holotype: BMNH 1891.6.13.25.

Liocassis emarginatus Regan, 1913b: 553. Type locality: Kia-tiang-fu, Sze Chuen [China]. Syntypes (4): BMNH 1891.6.13.21 (1?).

Distribution: Changjiang [= Yangtze River] basin, China (Chu *et al.*, 1999).

Remarks: Synonymy follows Watanabe (1995).

Pseudobagrus taeniatus (Günther, 1873)

Macrones (Liocassis) taeniatus Günther, 1873b: 245. Type locality: Shanghai, China. Holotype: BMNH 1873.7.30.73.

Distribution: from Changjiang [= Yangtze River] to Minjiang, China (Chu *et al.*, 1999).

Pseudobagrus taiwanensis Oshima, 1919

Pseudobagrus taiwanensis Oshima, 1919: 180, pl. 48 (fig. 1). Type locality: Tozen R. near Taichu, Taiwan. Lectotype: FMNH 59078; designated by Eschmeyer (in Eschmeyer *et al.*, 1998: 1646).

Distribution: Taiwan (Chu *et al.*, 1999).

Pseudobagrus tenuis (Günther, 1873)

Macrones (Pseudobagrus) tenuis Günther, 1873b: 244. Type locality: Shanghai, China. Holotype: BMNH 1873.7.30.72.

Distribution: from Changjiang [= Yangtze River] to Minjiang, China (Chu *et al.*, 1999).

Pseudobagrus tokiensis Döderlein, 1887

Pseudobagrus tokiensis Döderlein, in Steindachner & Döderlein, 1887: 288. Type locality: River near Tokyo, Japan.

Possible syntypes: BMNH 1891.5.26.19–20 (2), MZS 498 (7), MZS 643 (1), ZMB 12246 (2).

Distribution: northern portions of Honshu, Japan (Matsuura *et al.*, 2000).

Remarks: Redescribed in Watanabe & Maeda (1995).

Pseudobagrus trilineatus (Zheng, 1979)

Leiocassis trilineatus Zheng, 1979: 182, fig. 1. Type locality: Mountain stream in Luofu Shan, Boluo Xian, Guangdong Province, China. Holotype: JNU 76VII Luofu Shan 029.

Distribution: Dongjiang basin, China (Chu *et al.*, 1999).

Pseudobagrus truncatus (Regan, 1913)

Liocassis truncatus Regan, 1913b: 553. Type locality: Kia-tiang-fu [China]. Syntypes (5): BMNH 1891.6.13.24.

Distribution: Changjiang [= Yangtze River] basin, China (Chu *et al.*, 1999).

Species inquirenda, Pseudobagrus

Pseudobagrus changi Miao, 1934: 213, fig. 43. Type locality: Chinkiang, southern Kiangsu, China. Holotype: Mus. Biol. Lab. Sci. Soc. China 12494. [name not in recent use.]

PSEUDOMYSTUS Jayaram, 1968

Pseudomystus Jayaram, 1968b: 359. *Bagrus stenomus* Valenciennes, 1840. Type by original designation. Originally proposed as a subgenus of *Leiocassis*. Gender: Masculine.

Remarks: Treated in some recent literature as a synonym of *Leiocassis*.

Pseudomystus bomboides Kottelat, 2000

Pseudomystus bomboides Kottelat, 2000a: 77, fig. 69. Type locality: Laos: Vientiane Province, Mekong basin, confluence of Nam Leuk and Nam Ngong, 18°22'04"N, 103°05'27"E. Holotype: ZRC 45426.

Distribution: Mekong River basin and southern Thailand (Kottelat, 2001b).

Pseudomystus breviceps (Regan, 1913)

Liocassis breviceps Regan, 1913b: 551. Type locality: Deli, Sumatra. Syntypes: BMNH 1889.11.12.64–65 (2).

Distribution: Sumatra, known only from types.

Remarks: BMNH 1889.11.12.66 was incorrectly listed as holotype by Ng & Rachmatika, (1999: 178).

Pseudomystus carnosus Ng & Lim, 2005

Pseudomystus carnosus Ng & Lim, 2005: 7, fig. 5. Type locality: Sumatra: Sukadana. Holotype: RMNH 15859.

Distribution: Way Seputih River basin, southern Sumatra (Ng & Lim, 2005).

Pseudomystus flavipinnis Ng & Rachmatika, 1999

Pseudomystus flavipinnis Ng & Rachmatika, 1999: 175, fig. 5. Type locality: Borneo: Kalimantan Barat, Sungai Embaloh at Benua Marinus. Holotype: MZB 6593.

Distribution: Kapuas River basin (Ng & Rachmatika, 1999).

Pseudomystus fumosus Ng & Lim, 2005

Pseudomystus fumosus Ng & Lim, 2005: 11, fig. 6. Type locality: Malaysia: Pahang, Taman Negara, Kuala Tahan. Holotype: ZRC 3229.

Distribution: Pahang River basin, peninsular Malaysia (Ng & Lim, 2005).

Pseudomystus fuscus (Popta, 1904)

Leiocassis fuscus Popta, 1904: 186. Type locality: le Mahakam supérieur, Bornéo central. Holotype: RMNH 7555; described in more detail, with illustration of holotype, in Popta (1906: 53, pl. 3, fig. 10).

Distribution: Upper Mahakam River basin, Borneo, and Malay peninsula.

Pseudomystus inornatus (Boulenger, 1894)

Liocassis inornatus Boulenger, 1894a: 245. Type locality: Senah, Sarawak state, Borneo, East Malaysia. Holotype:

BMNH 1893.3.6.179.

Distribution: Sungai Penyalin, Indonesia and Sarawak (Ng & Rachmatika, 1999).

Pseudomystus leiacanthus (Weber & de Beaufort, 1912)

Leiocassis leiacanthus Weber & de Beaufort, 1912: 536, pl. 2 (figs. 1–1a). Type locality: Sumatra (Kwanton river, Ringat and Taluk). Syntypes: ZMA 112671 (1), ZMA 112672 (1); syntype illustration reproduced in Weber & de Beaufort (1913: fig. 148).

Distribution: Sumatra; Malay Peninsula (Mohsin & Ambak, 1983).

Pseudomystus mahakamensis (Vaillant, 1902)

Leiocassis mahakamensis Vaillant, 1902: 55, figs. 4–5. Type locality: Tepoe, bords du Mahakam, Bornéo central. Syntypes: RMNH 7838 (2).

Distribution: Mahakam River basin, Borneo.

Pseudomystus moeschii (Boulenger, 1890)

Liocassis moeschii Boulenger, 1890a: 39. Type locality: Deli River, Sumatra. Lectotype: BMNH 1889.11.12.66; lectotype designated by Ng & Lim (2005: 14).

Distribution: Deli and Banjuasin Rivers, Sumatra (Ng & Lim, 2005).

Remarks: Species redescribed in Ng & Lim (2005).

Pseudomystus myersi (Roberts, 1989)

Leiocassis myersi Roberts, 1989a: 117, fig. 92. Type locality: Small forest stream flowing into Kapuas mainstream NE of Gunung Setunggul, 53 km NW of Sintang, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3588.

Distribution: Kapuas River, western Borneo (Roberts, 1989a).

Pseudomystus robustus (Inger & Chin, 1959)

Leiocassis robustus Inger & Chin, 1959: 290, fig. 48. Type locality: Kinabatangan River at Deramakot, Kinabatangan District, North Borneo. Holotype: FMNH 68001

Distribution: Kinabatangan River, Borneo, Malaysia (Inger & Chin, 1959).

Pseudomystus rugosus (Regan, 1913)

Liocassis rugosus Regan, 1913b: 552. Type locality: Poeh, Sarawak. Holotype: BMNH 1893.3.6.172.

Distribution: Sarawak.

Pseudomystus siamensis (Regan, 1913)

Liocassis siamensis Regan, 1913b: 550. Type locality: Bangpakong River, Siam. Holotype: BMNH 1897.10.8.126.

Leiocassis albicollaris Fowler, 1934b: 337, fig. 2. Type locality: Bangkok, Siam. Holotype: ANSP 60178.

Leiocassis bicolor Fowler, 1934a: 95, fig. 43. Type locality: Chiang Mai, North Siam. Holotype: ANSP 59284.

Distribution: Mekong and Chao Phraya River basins (Kottelat, 2001b), and peninsular Thailand.

Pseudomystus sobrinus Ng & Freyof, 2005

Pseudomystus sobrinus Ng & Freyof, 2005: 745, figs. 1, 2a. Type locality: Vietnam, Phu Yen province, stream about 15 km south of Tuy Hoa, 12°53'05"N, 109°23'70"E. Holotype: ZFMK 27167.

Distribution: Song Ba and nearby rivers, southern Vietnam (Ng & Freyhof, 2005).

Pseudomystus stenogrammus Ng & Siebert, 2005

Pseudomystus stenogrammus Ng & Siebert, 2005: 2, figs. 1, 3a [with captions identifying the species as *Pseudomystus ornatus*]. Type locality: Borneo: Kalimantan Tengah, Sungai Laung at Dessa Marwei. Holotype: MZB 6103.

Distribution: Barito River basin, southern Borneo (Ng & Siebert, 2005).

Remarks: The name *Pseudomystus ornatus*, which appears in the figure caption of the description of this species is clearly a *lapsus calami* for *Pseudomystus stenogrammus* and is thus a *nomen nudum*.

Pseudomystus stenomus (Valenciennes, 1840)

Bagrus stenomus Valenciennes, in Cuvier & Valenciennes, 1840a: 415 (307 of Strasbourg deluxe edition). Type locality: Java. Holotype: RMNH 2986; previously unpublished illustration of holotype reproduced in Roberts (1993: fig. 61).

Leiocassis Ellenriederii Bleeker, 1860: 10. Type locality: Lahat, Palembang. Syntypes (3, 105–110 mm TL): Whereabouts unknown.

Distribution: South East Thailand, Kampuchea, Malay Peninsula, Sumatra, Java, Borneo.

Pseudomystus vaillanti (Regan, 1913)

Liocassis vaillanti Regan, 1913b: 549. Type locality: Embouchure du Raoun, Kapuas basin, Borneo. Holotype: RMNH 7840. Based on specimen identified in Vaillant (1902; fig. 8, 9) as *Leiocassis moeschii*; Vaillant's illustration reproduced in Roberts (1989a: fig. 93).

Distribution: Kapuas River, known only from holotype (Roberts, 1989a).

RAMA Bleeker, 1858

Rama Bleeker, 1858b: 201, 205, 208. Type species: *Rama buchanani* Bleeker, 1858 (= *Pimelodus rama* Hamilton, 1822). Type by monotypy. Gender: Feminine.

Rama rama (Hamilton, 1822)

Pimelodus rama Hamilton, 1822: 176, 377, pl. 3 (fig. 55). Type locality: Brahmaputra River. No types known.

Rama buchanani Bleeker, 1858b: 201, 205, 208. Type locality: Brahmaputra River. No types known. Unneeded replacement for *Pimelodus rama* Hamilton, 1822, apparently to avoid tautonymy.

Distribution: Brahmaputra River basin, India (Jayaram, 1999).

Remarks: Treated in some recent literature as synonym of *Chandramara chandramara* (Hamilton).

RITA Bleeker, 1854

Rita Bleeker, 1854c: 122. Type species: *Rita buchanani* Bleeker, 1854. Type by monotypy. Gender: Feminine.

Gogrius Day, 1867: 563. Type species: *Gogrius sykesii* Day, 1867. Type by monotypy. Gender: Masculine.

Key to species: Ferraris (1999b), Ng (2004i).

Rita chrysea Day, 1877

Rita chrysea Day, 1877 (in Day, 1875–78): 455, pl. 104 (fig. 1). Type locality: Orissa. Holotype: ZSI F498.

Distribution: Mahanadi River system, Orissa, Madhya Pradesh, India (Jayaram, 1999).

Remarks: See Jayaram (1960) for interpopulational variation.

Rita gogra (Sykes, 1839)

Phractocephalus gogra Sykes, 1839: 164. Type locality: Deccan, India. Type(s): Whereabouts unknown. Also proposed as new in Sykes (1840: 61); illustrated and described in more detail in Sykes (1841: 374, pl. 66, fig. 1).

Arius pavimentatus Valenciennes, in Cuvier & Valenciennes, 1840b: 94 (70 of Strasbourg deluxe edition). Type locality: trouvé dans la collection de feu Jacquemont [= vicinity of Bombay, India]. Holotype: MNHN b-0684; illustrated in Jacquemont (1835–1844: pl. 17, fig. 2).

Gogrius sykesii Day, 1867: 563. Type locality: Kurnool and the Deccan, India. Possible syntypes: ZSI 1200 (1), ZSI 3107 (1, lost), and types of "*Pimelodus gogra*, Sykes." Unneeded new name for *Phractocephalus gogra* Sykes, 1839, apparently to avoid tautonymy.

Distribution: Rivers of Deccan, India, up to Krishna River basin (Jayaram, 1999).

† ***Rita grandiscutata*** Lydekker, 1886

† *Rita grandiscutata* Lydekker, 1886: 251, pl. 37, fig. 3. Type locality: Punjab, Siwalik Formation Lower Pliocene. Holotype: at Indian Museum, Calcutta E. 157 (large basal bone of dorsal spine).

? † *Chrysichthys* (?) *theobaldi* Lydekker, 1886: 249, pl. 37, fig. 4. Type locality: Punjab, Siwalik Formation, Lower Pliocene. Holotype: Indian Museum, Calcutta E. 158 (hind part of cranium).

Distribution: Punjab, Siwalik Formation Lower Pliocene.

Remarks: † *Chrysichthys theobaldi* was assigned to *Rita* by Jayaram (1955a: 121). Because the two names listed here were applied to different parts of specimens that have been assigned to the same genus and both were found in the same locality, I am tentatively placing the two names into synonymy and treat † *Rita grandiscutata* as the valid name of the species.

Rita kuturnee (Sykes, 1839)

Phractocephalus kuturnee Sykes, 1839: 164. Type locality: Deccan, India. Type(s): Whereabouts unknown. Also described as new in Sykes (1840: 61); illustrated and described in more detail in Sykes (1841: 372, pl. 65, fig. 3).

Arius hastatus Valenciennes, in Cuvier & Valenciennes, 1840b: 97 (72 of Strasbourg deluxe edition). Type locality: [India]. Holotype: MNHN b-0591. Illustrated in Jacquemont (1835–1844: pl. 18, fig. 2).

Distribution: Peninsular India.

Rita macracanthus Ng, 2004

Rita macracanthus Ng, 2004i: 2, fig. 1. Type locality: Pakistan: Indus River at Attock. Holotype: UMMZ 237502.

Distribution: Indus River basin (Ng, 2004i).

Rita rita (Hamilton, 1822)

Pimelodus rita Hamilton, 1822: 165, 376, pl. 24 (fig. 53). Type locality: estuaries of Bengal. No types known.

Arius ritoides Valenciennes, in Cuvier & Valenciennes, 1840b: 92 (69 of Strasbourg deluxe edition). Type locality: Bengale. Holotype: MNHN b-0683.

Rita Buchanani Bleeker, 1854c: 123, pl. 3 (fig. 1). Type locality: Hooghly, Calcutta. No types known. Unneeded new name for *Pimelodus rita* Hamilton, 1822, apparently to avoid Stricklandian tautonymy.

Distribution: Rivers of northern India, Pakistan, Bangladesh and Nepal (Jayaram, 1999).

Rita sacerdotum Anderson, 1879

Rita sacerdotum Anderson, 1879: 864, pl. 79 (fig. 3). Type locality: Irrawaddy River at location of pagoda of Thingadow, 3rd Defile of Irrawaddy River, Burma. Holotype: BMNH 1875.8.4.7 (stuffed).

Distribution: Irrawaddy River basin, Myanmar (Ferraris, 1999b).

Remarks: Redescribed in Ferraris (1999b).

Species inquirenda, Rita

Arius cruciger Owen, 1853: 26. Type locality: Ganges. Type (s): Whereabouts unknown.

SPERATA Holly, 1939

Macrones Duméril, 1856: 484. Type species: *Bagrus lamarrii* Valenciennes, 1840. Type by monotypy. Gender: Masculine. Preoccupied by *Macrones* Newman, 1841, in Coleoptera; replaced by *Aoria* Jordan, 1917, and by *Sperata* Holly, 1939.

Aoria Jordan, 1919b: 341. Type species: *Bagrus lamarrii* Valenciennes, 1840. Type by being a replacement name. Gender: Feminine. Replacement for *Macrones*, Duméril, 1856; preoccupied by *Macrones* Newman, 1841, in Coleoptera. *Aoria* preoccupied by *Aoria* Baly, 1863, in Coleoptera; replaced by *Aorichthys* Wu, 1939, and by *Macronichthys* White & Moy-Thomas, 1940.

Sperata Holly, 1939: 143. Type species: *Bagrus lamarrii* Valenciennes, 1840. Type by being a replacement name. Gender: Feminine. Holly stated that the name was intended as a replacement for *Macrones*, but incorrectly listed *Macrones vittata* Bloch as type.

Aorichthys Wu, 1939: 131. Type species: *Bagrus lamarrii* Valenciennes, 1840. Type by being a replacement name. Gender: Masculine. Replacement for *Aoria* Jordan, 1919, preoccupied by *Aoria* Baly, 1863, in Coleoptera.

Macronichthys White & Moy-Thomas, 1940: 505. Type species: *Bagrus lamarrii* Valenciennes, 1840. Type by being a replacement name. Gender: Masculine. Replacement for *Aoria* Jordan, 1919, preoccupied by *Aoria* Baly, 1863, in Coleoptera.

Osteobagrus Jayaram, 1954: 529, 547. Type species: *Pimelodus aor* Hamilton, 1822. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Mystus*.

Remarks: Ferraris & Runge (1999: 400) concluded that *Sperata* has priority over *Aorichthys*. See also Jayaram (1968a, 1971, 1973b).

Revision: Ferraris & Runge (1999).

Sperata acicularis Ferraris & Runge, 1999

Sperata acicularis Ferraris & Runge, 1999: 403, figs. 2a, 3, 4. Type locality: Myanmar, Yangon Division, South Oak-ka-lar-pa market (eastern Yangon). Holotype: CAS 209024.

Distribution: Irrawaddy, Bago and Tenasserim River systems, Myanmar (Ferraris & Runge, 1999).

Sperata aor (Hamilton, 1822)

Pimelodus aor Hamilton, 1822: 205, 379, pl. 20 (fig. 68). Type locality: Rivers of Bengal, and upper parts of the Gangetic estuaries. No types known. [Illustration of type reproduced in Ferraris & Runge (1999: fig. 1)].

Bagrus aorides Jerdon, 1849: 336. Type locality: Cauvery River at Errode, southern India. No types known.

Distribution: Ganges River system and peninsular India south to Cauvery River basin (Ferraris & Runge, 1999).

Sperata aorella (Blyth, 1858)

Bagrus aorellus Blyth, 1858: 283. Type locality: Calcutta bazar. No types known.

Distribution: Ganges River, India and Bangladesh (Ferraris & Runge, 1999).

Sperata sarwari (Mirza, Nawaz & Javed, 1992)

Aorichthys aor sarwari Mirza, Nawaz & Javed, 1992: 211, fig. 1. Type locality: Ravi River at Head Balloki, Kasur Dist., Pakistan. Holotype: GCM F-19.

Distribution: Indus River basin (Mirza, 2003).

Sperata seenghala (Sykes, 1839)

Platystoma seenghala Sykes, 1839: 164. Type locality: Deccan, India. Type(s): at BMNH. Also proposed as new in Sykes (1840: 61); illustrated and described in more detail in Sykes (1841: 371, pl. 65, fig. 2) [illustration reproduced in Ferraris & Runge (1999: fig. 6)].

Bagrus Lamarrii Valenciennes, in Cuvier & Valenciennes, 1840a: 407 (302 of Strasbourg deluxe edition), pl. 415. Type locality: [Ganges]. Holotype: MNHN a-9343 (mounted). [Illustration of holotype reproduced in Ferraris & Runge (1999: fig. 7)].

Bagrus aorinus Valenciennes, 1840, in Jacquemont, 1835–44: pl. 17 (fig. 1–1a). Type locality: India. Holotype: Whereabouts unknown. Name available from plate caption. [Illustration of holotype reproduced in Ferraris & Runge (1999: fig. 8).]

Distribution: Ganges River system and peninsular India at least as far south as the Krishna River (Ferraris & Runge, 1999).

Genus *inquirendum*, Bagridae

Adelopeltis Dabry de Thiersant, 1872: 189, 190. Type species: Apparently not designated previously; *Adelopeltis angusticeps* Dabry de Thiersant, 1872, designated herein. Gender: Feminine.

Species *inquirendae*, Bagridae

Bagrus affinis Jerdon, 1849: 338. Type locality: Neighborhood of Madras, southern India. No types known.

Bagrus agricolus Jerdon, 1849: 339. Type locality: Ditches and inundated paddy fields in the Wynaad, southern India. No types known.

Adelopeltis angusticeps Dabry de Thiersant, 1872: 189, pl. 47 (fig. 3). Type locality: Yang-tsee-kiang [China]. Type (s): Whereabouts unknown.

Pimelodus bilineatus Cuvier, 1829: 293. Type locality: Vishakhapatnam [Vizagapatam], India. Available from the following reference to a published illustration: “*Pimel. bilineatus*, *Deddi-Jallah.*, Russel, 169 ” [= Russell (1803: pl. 169)].

Pseudobagrus eupogoides Wu, 1930b: 51, fig. 3. Type locality: Sze-Chwan, China. Holotype: Whereabouts unknown. Name not treated in recent literature.

Pseudobagrus fui Miao, 1934: 217, fig. 45. Type locality: Chinkiang, southern Kiangsu, China. Holotype: Mus. Biol. Lab. Sci. Soc. China 13170.

Liocassus hirsutus Herre, 1934: 285. Type locality: Market at Wuchow, Kwangsi, China. Holotype: SU 13884. Name not treated in recent literature.

Aoria hoi Pellegrin & Fang, 1940: 341, fig. 2. Type locality: Foochow, China. Holotype: MNHN 1939-0033.

Leiocassis hwanghoensis Mori, 1933: 167, figs. 3–4. Type locality: Hwang-ho near Tsi-nan, Shantung, China. Holotype: Whereabouts unknown.

Leiocassis kaifenensis Tchang, 1934: 41. Type locality: Kaifeng, Henan, China. Holotype: ASIZB [= ZMFMIB 8625]. Not treated since description.

Adelopeltis laticeps Dabry de Thiersant, 1872: 190, pl. 48 (fig. 5). Type locality: Yang-tsee-kiang [China]. No types known. Not treated in recent literature.

Bagrus limbatus Richardson 1846: 283. Type locality: Canton. Holotype: at Cambridge Philosophical Inst. Sometimes

incorrectly considered as *Plotosus limbatus* Valenciennes, but the description in Richardson is clearly that of a bagrid.

Liocassis naso Garman, 1912: 123. Type locality: Hupei: Ichang, China. Holotype: MCZ 29847. Name not treated in recent literature.

Bagrus (Bagrus) ramentosus Müller & Troschel, 1849: 7. Type locality: America [probably Java]. Holotype: ZMB 2949. Treated as a synonym of *Pseudobagrus aurantiacus* or as valid as *Pelteobagrus ramentosus*.

Aoria rendahli Pellegrin & Fang, 1940: 340, fig. 1. Type locality: Ou Tchang, Hou Pé [Hubei], China. Holotype: MNHN 1939-0032. Name not treated in recent literature.

Leiocassis similis Nichols, 1926a: 1, fig. 1. Type locality: Min R., near Yenping (Nanping), Fukien Prov., China. Holotype: AMNH 8444.

Bagrus sinensis Brandt, in Mack, 1861: 195. Possibly name only and not available; from Sungatschi. [Not seen]

Leiocassis sinyanensis Fu, 1935: 178, fig. 1. Type locality: Szewangshan, Sinyang [Xinyang], s. Honan [Henan], China. Holotype: Whereabouts unknown.

Hemibagrus taphrophilus Sauvage & Dabry de Thiersant, 1874: 6. Type locality: Canaux du Tschuang occidental, China. Type(s) (100 mm): at MNHN.

Liocassis torosilabris Sauvage & Dabry de Thiersant, 1874: 7. Type locality: Yang-tsee-kiang, China. Holotype: MNHN 0000-5936.

Pseudobagrus wangi Miao, 1934: 215, fig. 44. Type locality: Chinkiang, southern Kiangsu, China. Holotype: Mus. Biol. Lab. Sci. Soc. China 13173. Treated as valid in *Pelteobagrus* by Jayaram (1968b: 306).

Pseudobagrus wittenburgii Popta, 1911: 335, unnumbered figure. Type locality: Amur at Blagoveshchensk, Russia. Syntypes: SMNS 4390 (2).

† *Aoria lacus* [No other information, taken from Gayet & Meunier (2003)].

Distribution: Eocene; Hunan, southcentral China (Chang & Zhou, 1993).

Remarks: Considered to be Bagridae S.L. by Gayet & Meunier (2003).

CALLICHTHYIDAE Bonaparte, 1838

Callichthini Bonaparte, 1838: 131. Type genus: *Callichthys* Scopoli, 1777.

Aspidoradidi Hoedeman, 1952b: 4. Type genus: *Aspidoras* Ihering, 1907.

Cascaduridi Hoedeman, 1952b: 3. Type genus: *Cascadura* Ellis, 1913.

Corydoradinae Hoedeman, 1952b: 4. Type genus: *Corydoras* La Cepède, 1803.

Dianemidi Hoedeman, 1952b: 4. Type genus: *Dianema* Cope, 1871.

Hoplosterninae Miranda Ribeiro, 1959: 1. Type genus: *Hoplosternum* Gill, 1858.

Taxonomic summary: Isbrücker (2001b, Corydoradinae), Reis (2003).

Phylogeny: Reis (1998a); Britto (2003, Corydoradinae); Shimabukuro-Dias *et al.* (2004).

Biogeography: Reis (1998b).

8 genera, 194 species, one fossil species.

ASPIDORAS

Aspidoras Ihering, 1907: 30. Type species: *Aspidoras rochai* Ihering, 1907. Type by original designation. Gender: Masculine.

Revision: Nijssen & Isbrücker (1976a).

Aspidoras albater Nijssen & Isbrücker, 1976

Aspidoras albater Nijssen & Isbrücker, 1976a: 115, fig. 6. Type locality: Brazil, Est. Goiás, Rio Tocantinzinha near São João da Aliança, 14°46'S, 47°30'W, Rio Tocantins system. Holotype: MZUSP 12991.

Distribution: Upper Tocantins River basin, Brazil (Reis, 2003).

Aspidoras belenos Britto, 1998

Aspidoras belenos Britto, 1998: 361, fig. 1. Type locality: Brazil: Estado do Mato Grosso, creek at Primavera do Leste- Paranatinga road, 82 km N from Primavera do Leste, rio das Mortes basin, 15°03'S, 52°03'W. Holotype:

MNRJ 12433.

Distribution: Das Mortes River basin, Araguaia River drainage, Brazil (Reis, 2003).

Aspidoras brunneus Nijssen & Isbrücker, 1976

Aspidoras brunneus Nijssen & Isbrücker, 1976a: 116, fig. 7. Type locality: Brazil, Est. Mato Grosso, Serra do Roncador, km 125 of the road Chavantina-Casximba. Holotype: ZMA 113588.

Distribution: Upper Araguaia River basin, Brazil (Reis, 2003).

Aspidoras carvalhoi Nijssen & Isbrücker, 1976

Aspidoras carvalhoi Nijssen & Isbrücker, 1976a: 117, fig. 8. Type locality: Brazil, Est. Ceará, Açude Canabrava, Guaramiranga. Holotype: MNRJ 5230.

Distribution: Ceará State, Brazil (Reis, 2003).

Aspidoras depinnai Britto, 2000

Aspidoras depinnai Britto, 2000: 1049, fig. 1. Type locality: Brazil: Pernambuco State, creek at Amaraji-Primavera road, rio Ipojuca basin, 08°21'S, 35°26'W. Holotype: MZUSP 56214.

Distribution: Ipojuca River basin, Brazil (Reis, 2003).

Aspidoras eurycephalus Nijssen & Isbrücker, 1976

Aspidoras eurycephalus Nijssen & Isbrücker, 1976a: 118, fig. 9. Type locality: Brazil, Est. Goiás, Rio Tocantins system, Corrego Vermelho into Rio das Almas, tributary of Rio Maranhão, about 15°S, 49°30'W. Holotype: CAS 16010.

Distribution: Upper Tocantins River basin, Brazil (Reis, 2003).

Aspidoras fuscoguttatus Nijssen & Isbrücker, 1976

Aspidoras fuscoguttatus Nijssen & Isbrücker, 1976a: 118, fig. 10. Type locality: Brazil, Est. Mato Grosso, Rio Paraná system, Córrego Corguinho, estrada da Três Lagoas (20°46'S, 51°43'W) — Conceição do Taboado. Holotype: MZUSP 8573.

Distribution: Upper Paraná River basin, Brazil (Reis, 2003).

Aspidoras lakoi Miranda Ribeiro, 1949

Aspidoras lakoi Miranda Ribeiro, 1949a: 143, fig. 1. Type locality: Pequeno, córrego na floresta do Grotão, Fazenda da Cachoeira, Município de Passos, Estado de Minas Gerais [Brazil]. Holotype: MNRJ 5292.

Distribution: Upper Paraná River basin, Brazil (Reis, 2003).

Aspidoras maculosus Nijssen & Isbrücker, 1976

Aspidoras maculosus Nijssen & Isbrücker, 1976a: 119, fig. 11. Type locality: Brazil, Est. Bahia, Rio Paiaia, into headwaters of Rio Itapicurú, small, rocky, rapid stream from Serra Jacobina between Bom Fim and Jacobina, about 11°S, 40°30'W. Holotype: FMNH 54810.

Distribution: Itapicurú River basin, Brazil (Reis, 2003).

Aspidoras menezesi Nijssen & Isbrücker, 1976

Aspidoras menezesi Nijssen & Isbrücker, 1976a: 120, fig. 12. Type locality: Brazil, Est. Ceará, Rio Granjeiro at Crato, 7°10'S, 39°25'W, tributary on left bank of Rio Salgado. Holotype: UMMZ 147336.

Distribution: Coastal rivers in Ceará State, Brazil (Reis, 2003).

Aspidoras microgalaesus Britto, 1998

Aspidoras microgalaesus Britto, 1998: 364, fig. 8. Type locality: Brazil: Estado do Mato Grosso, small tributary of rio Culuene, km 86 of Paranatinga-Canarana road, rio Xingú basin, 14°00'S, 54°38'W. Holotype: MZUSP 51209.

Distribution: Xingu River basin, Brazil (Reis, 2003).

Aspidoras pauciradiatus (Weitzman & Nijssen, 1970)

Corydoras pauciradiatus Weitzman & Nijssen, 1970: 129, fig. 5. Type locality: Brazil, Rio Araguaia, near Aruanã, Est. Goiás (14°58'S, 51°04'W). Holotype: USNM 191625.

Distribution: Upper Araguaia River basin, Brazil (Reis, 2003).

Aspidoras poecilus Nijssen & Isbrücker, 1976

Aspidoras poecilus Nijssen & Isbrücker, 1976a: 121, fig. 13. Type locality: Brazil, Est. Mato Grosso, creek upstream of village Porori, left bank of Rio Xingu, upper Rio Xingu. Holotype: IRSNB 560.

Distribution: Upper Xingu, Araguaia and Tocantins River basins, Brazil (Reis, 2003).

Aspidoras psammaticides Britto, Lima & Santos, 2005

Aspidoras psammaticides Britto, Lima & Santos, 2005: 474, fig. 1. Type locality: Brazil, Estado da Bahia, município de Lençóis, rio Caldeirão, 12°39'33"S 41°22'12"W. Holotype: MNRJ 28407.

Distribution: Upper Paraguaçu River basin, eastern Brazil (Britto *et al.*, 2005).

Aspidoras raimundi (Steindachner, 1907)

Corydoras raimundi Steindachner, 1907a: 84. Type locality: in dem Bächchen, welches bei Victoria in den Rio Parahyba mündet [Brazil]. Lectotype: NMW 61110; designated by Nijssen & Isbrücker (1976a: 111).

Distribution: Parnaíba River basin, Brazil (Reis, 2003).

Aspidoras rochai Ihering, 1907

Aspidoras rochai Ihering, 1907: 30. Type locality: Fortaleza, capital of the state of Ceará [Brazil]. Lectotype: MZUSP 2195; designated by Britski (1969: 206).

Distribution: Coastal rivers in Ceará State, Brazil (Reis, 2003).

Aspidoras spilotus Nijssen & Isbrücker, 1976

Aspidoras spilotus Nijssen & Isbrücker, 1976a: 123, fig. 14. Type locality: Brazil, Est. Ceará, Riacho dos Macacos, tributary of Rio Acaráu. Holotype: ZMA 113590.

Distribution: Coastal rivers in Ceará State, Brazil (Reis, 2003).

Aspidoras taurus Lima & Britto, 2001

Aspidoras taurus Lima & Britto, 2001: 1011, fig. 1. Type locality: Brazil: Mato Grosso State, município de Alto Garças, Fazenda Cabeceira do Itiquira, close to highway BR-364, rio Itiquira, rio Paraguay system, 16°56'S 53°32'W. Holotype: MZUSP 57154.

Distribution: Upper Paraguay River basin, Brazil (R. Reis, pers. commun., 2004).

Aspidoras velites Britto, Lima & Moreira, 2002

Aspidoras velites Britto, Lima & Moreira, 2002: 728, fig. 1. Type locality: Brazil. Estado do Mato Grosso. Município de Alto Araguaia, córrego Boiadeiro, km 487.08 of Ferronorte railroad, 17°20'01"S, 53°14'53"W. Holotype: MZUSP 74447.

Distribution: Small tributaries of upper Araguaia River in Mato Grosso State, Brazil (Reis, 2003).

Aspidoras virgulatus Nijssen & Isbrücker, 1980

Aspidoras virgulatus Nijssen & Isbrücker, 1980c: 133, fig. 1. Type locality: Brazil: Est. Espírito Santo. Holotype: MNRJ 5371.

Distribution: Coastal rivers in Espírito Santo State, Brazil (Reis, 2003).

CALLICHTHYS

Callichthys Scopoli, 1777: 451. Type species: *Silurus callichthys* Linnaeus, 1758. Gender: Masculine. Original spelling not used subsequently and spelling in prevailing usage, *Callichthys*, is adopted here following ICZN (1999: Art. 33.3.1).

Callichthys Meuschen, 1778: 39. Type species: *Silurus callichthys* Linnaeus, 1758. Gender: Masculine.

Callichthys Linck, 1790: 32. Type species: *Silurus callichthys* Linnaeus, 1758. Gender: Masculine.

Cataphractus Bloch, 1794: 80. Type species: *Silurus callichthys* Linnaeus, 1758. Type by subsequent designation. Gender: Masculine.

Phylogeny: Reis (1997).

Key to species: Lehmann & Reis (2004).

Remarks: *Callichthys* was first published by Gronow (1763: 127) in a work that was subsequently placed on the ICZN Official Index of Rejected and Invalid Generic Names in Zoology, Opinion 261 (Melville & Smith, 1987), which makes the name unavailable from that publication.

Callichthys callichthys (Linnaeus, 1758)

Silurus callichthys Linnaeus, 1758: 307. Type locality: in Americae rivulis. Syntypes: On *Callichthys* of Gronovius, which may be based on BMNH 1853.11.12.194 (1, left half skin), and specimens from the Linnaean collection: NRM 7015 (2), NRM 7018 (1), ZMUU 55 (1).

Callichthys asper Quoy & Gaimard, 1824: 232. Type locality: ruisseau qui coule devant la ferme de Santa-Anna, sur le chemin qui conduit de Rio de Janeiro à la colonie suisse [Brazil]. Syntypes: MNHN 0000-1951 (2).

- Cataphractus depressus* Swainson, 1839: 304. Type locality: [Not stated]. Type(s): Based on Bloch (1794: pl. 377) [= *Cataphractus callichthys* (Linnaeus)].
- Callichthys laeviceps* Valenciennes, in Cuvier & Valenciennes, 1840b: 309 (229 in the Strasbourg deluxe edition). Type locality: La Mana, Brésil. Syntypes: MNHN 0000-1947 (1), MNHN 0000-4261 (1).
- Callichthys caelatus* Valenciennes, in Cuvier & Valenciennes, 1840b: 308 (229 in the Strasbourg deluxe edition). Type locality: Bahia, Rio-Janéiro. Syntypes: MNHN 0000-4258 (2), MNHN 0000-4259 (1).
- Callichthys loricatus* Gronow, in Gray, 1854: 157. Type locality: Americae Meridionalis rivulis. Syntypes: BMNH 1853.11.12.194 (1) and several literature sources.
- Callichthys kneri* Gill, 1858: 394. Type locality: Trinidad. Type(s): Whereabouts unknown, apparently not at USNM.
- Callichthys tamoata* Bleeker, 1864a: 22. Type locality: Surinama. Syntypes (10, 114– 250 mm): at RMNH, and many literature sources.
- Callichthys affinis* Günther, 1864: 226. Type locality: Rio Grande [Brazil]. Syntypes: BMNH 1861.5.7.1–4 (4).
- Callichthys arcifer* Hensel, 1868: 373. Type locality: Rio de Janeiro. Holotype: ZMB 7433.
- Callichthys hemiphractus* Hensel, 1868: 374. Type locality: Costa da Serra [Rio Grande do Sul, Brazil]. Holotype: ZMB 7434.
- Callichthys callichthys bolteni* Hoedeman, 1952b: 9. Type locality: Surinam. Holotype: ZMA 100303a.
- Callichthys callichthys demararae* Hoedeman, 1952b: 10. Type locality: Demarara, British Guiana. Holotype: ZMA 100304.

Distribution: Most Cis-Andean South American river drainages north of Buenos Aires (Reis, 2003).

Callichthys fabricioi Román-Valencia, Lehmann-A & Muñoz, 1999

Callichthys fabricioi Román-Valencia, Lehmann-A & Muñoz, 1999: 54, fig. 1. Type locality: Colombia, Departamento del Cauca, Municipio de Buenos Aires, Zanjón Bagazal afluente del Río Cauca 980 meters (03°03'59"N y 76°33'55"W). Holotype: IUQ 295.

Distribution: Cauca River basin, Colombia (Reis, 2003).

Callichthys oibaensis Ardilia Rodríguez, 2005

Callichthys oibaensis Ardilia Rodríguez, 2005: 32, figs. 1–6. Type locality: [Colombia, Vereda Las Monjas, río Oibita, trib. of río Suárez]. Holotype: CAR 251.

Distribution: Suárez River basin, Colombia.

Callichthys serralabium Lehmann & Reis, 2004

Callichthys serralabium Lehmann & Reis, 2004: 339, fig. 1. Type locality: Venezuela: Estado Amazonas: La Esmeralda: Laguna Tonina, 1 km upstream from La Esmeralda, upper Orinoco (03°08'00"N, 065°32'00"W). Holotype: MBUCV V-30980.

Distribution: Upper Orinoco and upper Negro River basins, Venezuela and Brazil (Lehmann & Reis, 2004: 341).

CORYDORAS

Corydoras La Cepède, 1803: 147. Type species: *Corydoras geoffroy* La Cepède, 1803. Type by monotypy. Gender: Masculine.

Cordorinus Rafinesque, 1815: 89. Type species: *Corydoras geoffroy* La Cepède, 1803. Type by being a replacement name. Gender: Masculine. Unjustified emendation of *Corydoras* La Cepède.

Hoplisoma Swainson, 1838: 336. Type species: *Cataphractus punctatus* Bloch, 1794. Type by original designation. Gender: Neuter.

Brochis Cope, 1871b: 112. Type species: *Brochis coeruleus* Cope, 1872. Type by subsequent designation by Cope (1872a). Gender: Feminine. Appeared first without species, more fully described in Cope (1872a) with the description of two new species; type designated by Cope (description of *Brochis dipterus* includes reference to *B. coeruleus* as type).

Chaenothorax Cope, 1878: 679. Type species: *Chaenothorax bicarinatus* Cope, 1878. Type by original designation. Gender: Masculine.

Gastrodermus Cope, 1878: 681. Type species: *Corydoras elegans* Steindachner, 1877. Type by subsequent designation. Gender: Masculine. Type apparently first designated by Gosline (1940b: 10).

Osteogaster Cope, 1894: 102. Type species: *Corydoras eques* Steindachner, 1877. Type by original designation.

Gender: Feminine.

Microcorydoras Myers, 1953: 270. Type species: *Corydoras hastatus* Eigenmann & Eigenmann, 1888. Type by original designation. Gender: Masculine.

Review: Nijssen & Isbrücker (1983b, Colombia); Castro (1987, Colombia); Nijssen & Isbrücker (1986b, Peru and Ecuador).

Taxonomic summary: Nijssen & Isbrücker (1970), species formerly placed in *Brochis*; Nijssen & Isbrücker (1980b), Isbrücker (2001b).

Remarks: *Brochis* Cope was recently placed in synonymy of *Corydoras* by Britto (2003), while *Scleromystax* was removed and treated as a valid genus.

***Corydoras acrensis* Nijssen, 1972**

Corydoras acrensis Nijssen, 1972: 416, fig. 1. Type locality: Brazil, Est. Acre, Furo do Lago São Francisco, tributary at left bank of Rio Juruá, upstream of confluence with Mao at Cruzeiro do Sul. Holotype: IRSNB 505.

Distribution: Juruá River basin, Brazil (Reis, 2003).

***Corydoras acutus* Cope, 1872**

Corydoras acutus Cope, 1872a: 281. Type locality: Ambyiacu River [now: Shansho Caño, Loreto, Peru, by neotype designation]. Neotype: SU 33307, designated by Nijssen & Isbrücker (1980b: 215); original syntypes ANSP 8292–8293 lost.

Distribution: Amazon River basin in northern Peru and Ecuador (Reis, 2003).

***Corydoras adolfoi* Burgess, 1982**

Corydoras adolfoi Burgess, 1982: 15, fig. 1. Type locality: Small tributary of the upper Rio Negro on the equator near São Gabriel da Cachoeira, Brazil. Holotype: MZUSP 26641.

Distribution: Negro River basin, Brazil (Reis, 2003).

***Corydoras aeneus* (Gill, 1858)**

Hoplosoma aeneum Gill, 1858: 403. Type locality: Island of Trinidad, West Indies. Lectotype: USNM 1116, designated by Nijssen & Isbrücker (1980b: 208).

Corydoras microps Eigenmann & Kennedy, 1903: 506. Type locality: From a small lagoon, half dry, near the Rio Branco (Mato Grosso, Brazil). Holotype: CAS 20662.

Corydoras venezuelanus Ihering, 1911: 383. Type locality: Río Cabriales, Valencia, Est. Carabobo, Venezuela. Lectotype: MZUSP 146, designated by Britski (1969: 208).

Corydoras macrosteus Regan, 1912a: 219. Type locality: Rio Piracicaba, San Paulo, Brazil. Lectotype: BMNH 1905.6.9.12, designated by Nijssen & Isbrücker (1980b: 208).

Corydoras schultzei Holly, 1940: 111. Type locality: Aquarium specimen (said to be from very small water-courses of the Amazon).

Distribution: Widely distributed in South America on the eastern side of the Andes, from Colombia and Trinidad to La Plata River basin (Reis, 2003).

Remarks: Isbrücker (2001b) treated all of the synonyms listed above as valid, or “doubtfully valid” species, but did not comment on the distribution of these species.

***Corydoras agassizii* Steindachner, 1877**

Corydoras Agassizii Steindachner, 1877a: 138, pl. 12 (fig. 2). Type locality: Amazonenstrom bei Tabatinga. Lectotype: NMW 61112, designated by Nijssen & Isbrücker (1980b: 195).

Distribution: Amazon River basin near border between Peru and Brazil (Reis, 2003).

***Corydoras albolineatus* Knaack, 2004**

Corydoras albolineatus Knaack, 2004: 73, figs. 13–17. Type locality: Bolivien, Departamento Santa Cruz, Provincia J.M. Velasco, Raum Piso firme, System río Itenez, río Paragua (Mündungsgebiet, NW-Ufer), 13°31.989'S, 61°50.295'W. Holotype: MTD F 28470.

Distribution: Itenez River basin, Bolivia (Knaack, 2004).

***Corydoras amandajanea* Sands, 1995**

Corydoras amandajanea Sands, 1995: 10, fig. 1. Type locality: Rio Miuã system of streams, possibly the Uarinabe stream (Miuã system) 10–12 kilometers away from its confluence of the upper Negro River, Brazil. Holotype:

LIVCM 1994.4.21.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

Corydoras amapaensis Nijssen, 1972

Corydoras amapaensis Nijssen, 1972: 417, figs. 2, 3. Type locality: Brazil, Est. Amapa, Cachoera Creek at right bank of Río Amapari, 4 km downstream of Casa do 7. Holotype: IRSNB 476.

Distribution: Oyapock and Amapari rivers in Amapá State in Brazil and French Guiana (Reis, 2003).

Corydoras ambiacus Cope, 1872

Corydoras ambiacus Cope, 1872a: 280. Type locality: Ambyiacu River. Holotype: ANSP 8291.

Corydoras grafi Holly, 1940: 108. Type locality: Aquarium specimen (said to be from very small water-courses of the Amazon). Holotype: Münchner Tierpark AG 92/139 (reportedly lost, but possibly NMW 84287).

Corydoras melanistius longirostris Hoedeman, 1952a: 17, fig. 13. Type locality: Amazon area. No types known.

Distribution: Upper Amazon River basin of Brazil, Colombia, and Peru (Reis, 2003).

Corydoras amphibelus Cope, 1872

Corydoras amphibelus Cope, 1872a: 282. Type locality: Ambyiacu River. Holotype: ANSP 8290.

Distribution: Upper Amazon River basin in Peru (Reis, 2003).

Corydoras approuaguensis Nijssen & Isbrücker, 1983

Corydoras approuaguensis Nijssen & Isbrücker, 1983c: 73, fig. 1. Type locality: fleuve Approuague. Holotype: ZMA 119098.

Distribution: Approuague River basin, French Guiana (Reis, 2003).

Corydoras araguaiaensis Sands, 1990

Corydoras araguaiaensis Sands, 1990: [1], unnumbered figure. Type locality: Rio Araguaia, Brazil. Holotype: at RMNH.

Distribution: Araguaia River basin, Brazil (Reis, 2003).

Corydoras arcuatus Elwin, 1939

Corydoras arcuatus Elwin, 1939: 126, pl. 3. Type locality: Amazon River (aquarium specimen). Holotype: BMNH 1939.3.3.1.

Distribution: Upper Amazon River basin (Reis, 2003).

Corydoras areio Knaack, 2000

Corydoras areio Knaack, 2000b: 47, unnumbered figure. Type locality: Brasilien, Mato Grosso (östlich von Cuiaba), in Fließgewässern des Cór. Areio-Systems, in der Umgebung von Vila Nova, an der Straße 373, ca. 8.5 kilometers und ca.13.5 km von der Ortschaft aus entfernt in Richtung Poxoreo. Holotype: ZMB 33113.

Distribution: Upper Paraguay River basin, Brazil (Reis, 2003).

Corydoras armatus (Günther, 1868)

Callichthys armatus Günther, 1868a: 476. Type locality: Xeberos and Huallaga [Peru]. Lectotype: BMNH 1867.6.13.51, designated by Nijssen & Isbrücker (1980b: 194). Illustrated and described in more detail in Günther (1868b: 231, fig. 1).

Distribution: Upper Amazon River basin, Peru (Reis, 2003).

Corydoras atropersonatus Weitzman & Nijssen, 1970

Corydoras atropersonatus Weitzman & Nijssen, 1970: 123, fig. 2. Type locality: Ecuador, Río Conambo at mouth of Río Shione (about 2°00'S, 76°30'W), Río Tigre system, Est. Pastaza. Holotype: USNM 204359.

Distribution: Upper Amazon River basin, Ecuador and Peru (Reis, 2003).

Corydoras aurofrenatus Eigenmann & Kennedy, 1903

Corydoras aurofrenatus Eigenmann & Kennedy, 1903: 507. Type locality: Aguada, near Arroyo Trementina [Paraguay]. Holotype: CAS 20661.

Distribution: Paraguay River basin, Paraguay (Reis, 2003).

Corydoras axelrodi Rössel, 1962

Corydoras axelrodi Rössel, 1962c: 335, figs. 1, 2. Type locality: Columbian, Rio Meta. Holotype: SMF 5700.

Distribution: Meta River basin, Colombia (Reis, 2003).

Corydoras baderi Geisler, 1969

Corydoras baderi Geisler, 1969: 354, fig. 1. Type locality: Brasilien, Staat Para, Rio Paru de Oeste und Bäche bei

- der Missionsstation Tirió (2°12'N, 55°59'W). Holotype: SMF 9651.
- Corydoras oelemariensis* Nijssen, 1970: 29, fig. 14. Type locality: Creek at left bank of Oelemari River, near airstrip, Marowijne, Suriname. Holotype: IRSNB 472.
- Distribution: Pará State in Brazil and Maroni River in Suriname (Reis, 2003).
- Corydoras bicolor*** Nijssen & Isbrücker, 1967
- Corydoras bicolor* Nijssen & Isbrücker, 1967: 36, pl. 3 (fig. 3). Type locality: Sipaliwini River. Holotype: ZMA 104627.
- Distribution: Coastal rivers of Suriname (Reis, 2003).
- Corydoras bifasciatus*** Nijssen, 1972
- Corydoras bifasciatus* Nijssen, 1972: 420, fig. 4. Type locality: Brazil, Est. Para, creek at left bank of Río Cururu, tributary of upper Río Tapajós near Maloca do Conzalo (about 7°45'S, 58°00'W). Holotype: IRSNB 485.
- Distribution: Lower Amazon River basin, Brazil (Reis, 2003).
- Corydoras bilineatus*** Knaack, 2002
- Corydoras bilineatus* Knaack, 2002a: 52, unnumbered figure. Type locality: Santa Cruz, Santiesteban, Chané, Restgewässer eines großen Überflutungs-Nährungsgebietes zwischen den Flüssen Rio Piray und Rio Yapacarie und dem Rio Grande o Guapay mit abfluss (Regenzeit) in den Arroyo Chanè. Holotype: MTD F 25925.
- Distribution: Madeira River basin, Bolivia (Reis, 2003).
- Corydoras blochi*** Nijssen, 1971
- Corydoras blochi* Nijssen, 1971: 92, fig. 2. Type locality: Guyana, district Essequibo, Moco Creek near Lehtem, tributary of Rio Tacutú, Rio Branco system. Holotype: FMNH 75951.
- Distribution: Venezuela, Guyana, and northern Brazil (Reis, 2003).
- Corydoras boehlkei*** Nijssen & Isbrücker, 1982
- Corydoras boehlkei* Nijssen & Isbrücker, 1982: 139, fig. 1. Type locality: Venezuela, Edo Bolivar, Río Cuchime (Cusimo), about 20 miles upstream from junction of Río Caura —Río Erebató (Entre Rios) at 5°45'N, 64°24'W. Holotype: ANSP 148097.
- Distribution: Caura River basin in the Orinoco River drainage, Venezuela (Reis, 2003).
- Corydoras boesemani*** Nijssen & Isbrücker, 1967
- Corydoras boesemani* Nijssen & Isbrücker, 1967: 37, pl. 4 (fig. 1). Type locality: Little tributaries of Gran-Rio between Ligolio and Awaradam Falls [Suriname]. Holotype: RMNH 25316.
- Distribution: Coastal rivers in Suriname (Reis, 2003).
- Corydoras bondi*** Gosline, 1940
- Corydoras bondi* Gosline, 1940b: 20. Type locality: Rio Yuruari, 3 km east of El Callao, Venezuela. Holotype: SU 35065.
- Distribution: Rio Yuruari in Venezuela, Corantijn and Rupununi River basins, Guianas (Reis, 2003).
- Corydoras breei*** Isbrücker & Nijssen, 1992
- Corydoras breei* Isbrücker & Nijssen, 1992: 10, fig. 1. Type locality: Surinam, Corantijn river system, Kabalebo River, Avanavero Falls. Holotype: RMNH 31912.
- Distribution: Corantijn River basin, Suriname (Reis, 2003).
- Corydoras brevirostris*** Fraser-Brunner, 1947
- Corydoras melanistius brevirostris* Fraser-Brunner, 1947: 244. Type locality: aquarium specimen [said to be from the Orinoco]. Holotype: BMNH 1946.10.10.1.
- Distribution: Orinoco River basin, Venezuela, and coastal drainages in Suriname (Reis, 2003).
- Corydoras britskii*** (Nijssen & Isbrücker, 1983)
- Brochis britskii* Nijssen & Isbrücker, 1983a: 179, fig. 1. Type locality: Brazil, Est. Mato Grosso, Lagoas Marginais, rodovia Transpantaneira, Poconé (16°15'S, 56°37'W). Holotype: MZUSP 26811.
- Distribution: Upper Paraguay River basin, Brazil (Reis, 2003).
- Corydoras burgessi*** Axelrod, 1987
- Corydoras burgessi* Axelrod, 1987: 22, figures on pp. 22–23. Type locality: reportedly from the Rio Unini, tributary of the Rio Negro, Amazonas, Brazil. Holotype: MZUSP 37692.
- Distribution: Upper Negro River basin, Brazil (Reis, 2003).

- Corydoras carlae*** Nijssen & Isbrücker, 1983
Corydoras carlae Nijssen & Isbrücker, 1983c: 76, fig. 5. Type locality: Petit Arroyo, affluent rive gauche du Rio Iguazu, route no. 101 entre Porto Iguazu et Bernardino de Irigoyen, 50 km de Puerto Iguazu, bassin du Paraná. Holotype: IRSNB 688.
Distribution: Lower Iguazu River basin, Argentina (Reis, 2003).
- Corydoras caudimaculatus*** Rössel, 1961
Corydoras caudimaculatus Rössel, 1961: 49, pl. 5 (fig. 1). Type locality: Brésilien, oberer Rio Guaporé (=Itenez). Holotype: SMF 5291.
Distribution: Guaporé River basin, Brazil (Reis, 2003).
- Corydoras cervinus*** Rössel, 1962
Corydoras cervinus Rössel, 1962b: 31, fig. 1. Type locality: Brésilien, oberer Rio Guaporé (=Itenez). Holotype: SMF 5460.
Distribution: Guaporé River basin, Brazil (Reis, 2003).
- Corydoras cochui*** Myers & Weitzman, 1954
Corydoras cochui Myers & Weitzman, 1954: 93. Type locality: Santa Maria Nova, Rio Araguaya, State of Goyaz, Brazil. Holotype: SU 47656.
Distribution: Upper Araguaia River basin, Brazil (Reis, 2003).
Remarks: Redescribed in Weitzman (1956).
- Corydoras concolor*** Weitzman, 1961
Corydoras concolor Weitzman, 1961: 105, fig. 1. Type locality: Las Mangas, in a tributary to the Río Parguaza, western part of the State of Bolivar, Venezuela, 6°20'N, 67°10'W. Holotype: SU 54131.
Distribution: Orinoco River basin, Venezuela (Reis, 2003).
- Corydoras condiscipulus*** Nijssen & Isbrücker, 1980
Corydoras condiscipulus Nijssen & Isbrücker, 1980d: 494, fig. 1. Type locality: French Guiana, Cumuri Creek at left bank of Oyapock River, upstream of first rapids of Grande Roche, southwest of village Oiapoque. Holotype: IRSNB 617.
Distribution: Oyapock River basin, Brazil and French Guiana (Reis, 2003).
- Corydoras copei*** Nijssen & Isbrücker, 1986
Corydoras copei Nijssen & Isbrücker, 1986a: 70, fig. 11. Type locality: Loreto, cours inférieur du Río Huytoyacu, près du village Nuevo Progreso, affluent de la rive droite du Rio Pastaza, environ 40 km N. du Lago Rimachi (4°13'S, 76°38'W). Holotype: ZMA 119305.
Distribution: Pastaza River basin in Loreto, Peru (Reis, 2003).
- Corydoras coppenamensis*** Nijssen, 1970
Corydoras bondi coppenamensis Nijssen, 1970: 19, fig. 8. Type locality: Creek at left bank of Coppename River (3°52'N, 56°55'W) [Suriname]. Holotype: ZMA 105877.
Distribution: Coppename River basin, Suriname (Reis, 2003).
- Corydoras coriatae*** Burgess, 1997
Corydoras coriatae Burgess, 1997: 140, unnumbered figure. Type locality: Río Aguaytia, a branch of the Río Ucayali, in jungles of Peru west of the city of Pucallpa. Holotype: MUSM 10701.
Distribution: Ucayali River basin, Peru (Reis, 2003).
- Corydoras crimmeni*** Grant, 1997
Corydoras crimmeni Grant, 1997: 44, fig. 3. Type locality: Aquarium specimen, said to be from Brazil, Roraima State, near the city of Boa Vista, possibly from the Rio Branco. Holotype: MZUSP 52490.
Distribution: Negro River basin, Brazil (Reis, 2003).
- Corydoras cruziensis*** Knaack, 2002
Corydoras cruziensis Knaack, 2002c: 63, unnumbered figure. Type locality: kleinerer Fließgewässer in Santa Cruz, Guarayos, A. Puente [Bolivia]. Holotype: MTD F 25930.
Distribution: Madeira River basin in Santa Cruz and Beni Departments of Bolivia (Reis, 2003).
- Corydoras crypticus*** Sands, 1995
Corydoras crypticus Sands, 1995: 11, fig. 4. Type locality: Rio Miuã system of streams, possibly the Uarinabe

stream, 10–12 kilometers away from its confluence of the upper Negro River, Brazil. Holotype: LIVCM 1994.4.29.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

***Corydoras davidsandsi* Black, 1987**

Corydoras davidsandsi Black, 1987: 74, figure on p. 74. Type locality: Reportedly from the Rio Unini, Brazil. Holotype: MZUSP 38632.

Distribution: Negro River basin, Brazil (Reis, 2003).

***Corydoras delphax* Nijssen & Isbrücker, 1983**

Corydoras delphax Nijssen & Isbrücker, 1983b: 55, fig. 3. Type locality: Guainía, Río Inírida system, Caño Bacón, Pueblo Bretania (3°43'N, 67°59'W) [Colombia]. Holotype: NRM 26073.

Distribution: Inírida River and upper Orinoco River basin, Colombia (Reis, 2003).

***Corydoras difluviatilis* Britto & Castro, 2002**

Corydoras difluviatilis Britto & Castro, 2002: 1007, fig. 1. Type locality: Brazil: São Paulo, Município de Santa Rita do Passa Quatro, Parque Estadual de Vassununga, Glepa Pé-do-Gigante, córrego Paulicéia, tributary of rio Pardo, rio Paraná system, 21°38'S, 47°38'W. Holotype: MZUSP 75268.

Distribution: Upper Paraná and Grande River basins, Paraná River drainage, and Jequitaiá, Preto, and upper Da Prata rivers, São Francisco drainage, Brazil (Reis, 2003).

***Corydoras diphyes* Axenrot & Kullander, 2003**

Corydoras diphyes Axenrot & Kullander, 2003: 258, fig. 5. Type locality: Paraguay: Departamento Caaquazú: río Paraná drainage, small stream (arroyo) at Estancia María Belén, 8 km from Colonel Patricio Colman, 25°40'13"S, 55°5'52"W. Holotype: MNHNP uncat (ex NRM 43483).

Distribution: Monday River and Acaray River, Paraná River basin, Paraguay (Axenrot & Kullander, 2003).

***Corydoras duplicareus* Sands, 1995**

Corydoras duplicareus Sands, 1995: 12, fig. 6. Type locality: Rio Poranga, 8 kilometers north of the Nobua oba, prior to where it joins a small tributary of the upper Negro River, Brazil. Holotype: LIVCM 1994.4.36.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

***Corydoras ehrhardti* Steindachner, 1910**

Corydoras ehrhardti Steindachner, 1910a: 60. Type locality: Flußgebiet des Jaraguá [Santa Catarina, Brazil]. Lectotype: NMW 61104, designated by Nijssen & Isbrücker (1980b: 205).

Corydoras meridionalis Ihering, 1911: 380. Type locality: Colonia Hansa, Est. Santa Catharina [Brazil]. Type(s): Whereabouts unknown.

Distribution: Coastal rivers in Santa Catarina and Paraná States and Iguaçu River basin, Brazil (Reis, 2003).

***Corydoras elegans* Steindachner, 1877**

Corydoras elegans Steindachner, 1877a: 141. Type locality: Teffé [Brazil]. Lectotype: NMW 46729, designated by Nijssen & Isbrücker (1980b: 213).

Corydoras pestai Holly, 1940: 107. Type locality: in kleinen und kleinsten Wasserläufen der Nähe des Amazonenstromes. Holotype: Münchner Tierpark A.G. 81/1938 (destroyed).

Distribution: Upper Amazon River basin (Reis, 2003).

Remarks: *Corydoras pestai* Holly, 1940, treated as valid in Isbrücker (2001b: 232).

***Corydoras ellisae* Gosline, 1940**

Corydoras ellisae Gosline, 1940b: 17. Type locality: Arroyo Poná, Sapucay, Paraguay. Holotype: FMNH 57361.

Distribution: Paraguay River basin, Paraguay (Reis, 2003).

***Corydoras ephippifer* Nijssen, 1972**

Corydoras ephippifer Nijssen, 1972: 422, fig. 5. Type locality: Brazil, Est. Amapa, Cachoera Creek at right bank of Río Amapari, 4 kilometers downstream of Casa do 7. Holotype: IRSNM 507.

Distribution: Amapá State, Brazil (Reis, 2003).

***Corydoras eques* Steindachner, 1877**

Corydoras eques Steindachner, 1877a: 140, pl. 12 (fig. 3). Type locality: Amazonenstrom bei Teffé, Cudajas Brazil [restricted to Cudajas by lectotype designation]. Lectotype: NMW 61111, designated by Nijssen & Isbrücker (1980b: 208).

Distribution: Amazon River basin, Brazil (Reis, 2003).

Corydoras esperanzae Castro, 1987

Corydoras esperanzae Castro, 1987: 34, fig. 2. Type locality: Caño Orocué at Orocué, Río Meta, Intendencia de Casanare (4°49'N, 71°20'W) [Colombia]. Holotype: UBJTL MM275.

Distribution: Meta River basin, Colombia (Reis, 2003).

Corydoras evelynae Rössel, 1963

Corydoras evelynae Rössel, 1963: 360, fig. 4. Type locality: Brazilien, oberer Rio Solimoes. Holotype: SMF 6107.

Distribution: Amazon River basin, Brazil (Reis, 2003).

Corydoras filamentosus Nijssen & Isbrücker, 1983

Corydoras filamentosus Nijssen & Isbrücker, 1983c: 77, fig. 6. Type locality: Bassin de la rivière Corantijn, affluent du Sisa Creek, versant nord, environ 700 m en aval du croisement de Amatopo avec Camp Geologie Road, 03°42'N, 57°42'O [Suriname]. Holotype: USNM 225536.

Distribution: Corantijn River basin, Suriname (Reis, 2003).

Corydoras flaveolus Ihering, 1911

Corydoras flaveolus Ihering, 1911: 386. Type locality: Pequenos riachos afluentes do rio Piracicaba, acima do Salto, Est. S. Paulo [Brazil]. Lectotype: MZUSP 424, designated by Britski (1969: 207).

Distribution: Upper Paraná River basin, Brazil (Reis, 2003).

Corydoras fowleri Böhlke, 1950

Corydoras fowleri Böhlke, 1950: 26. Type locality: Chanco Caño, near Pebas (3°10'S, 71°46'W), Peruvian Amazon, Peru. Holotype: SU 16115.

Distribution: Western Amazon River basin (Reis, 2003).

Corydoras garbei Ihering, 1911

Corydoras garbei Ihering, 1911: 382. Type locality: Rio São Francisco, Est. da Bahia [Brazil]. Lectotype: MZUSP 711, designated by Britski (1969: 207) for *C. garbei* Ihering, not *C. garbei* of Miranda Ribeiro (1937) [see Remarks].

Distribution: São Francisco River basin, Brazil (Reis, 2003).

Remarks: An account of *Corydoras garbei* appeared in Miranda Ribeiro, (1937: 54) that has been treated by some as an independent proposal of a new name for this species. Miranda Ribeiro (1953: 394) designated a lectotype for this name and Britski (1969: 207) regarded the name as a homonym and synonym of *Corydoras garbei* Ihering, 1911. However, it appears that the account was a repeat of the earlier description of the species and, on that basis, treated by Reis (2003) as a *lapsus* and not a new name proposal.

Corydoras geoffroy La Cepède, 1803

Corydoras geoffroy La Cepède, 1803: 147. Type locality: Suriname, district Brokopondo, Suriname River system, Marchall Creek, east of the road Paramam-Afobaka, 1.5 km North of Marchall village, by Neotype designation. Neotype: ZMA 106017, designated by Isbrücker (2000: 17).

Corydoras octocirrus Nijssen, 1970: 26, fig. 12. Type locality: Marchall Creek, East of the road Paramam-Afobaka, 1.5 km North of Marchall village, Suriname River system, Suriname. Holotype: ZMA 106017.

Distribution: Coastal rivers of Suriname and French Guiana (Reis, 2003).

Remarks: Isbrücker (1999a, 2000) discussed the taxonomic history of this species.

Corydoras geryi Nijssen & Isbrücker, 1983

Corydoras bolivianus Nijssen & Isbrücker, 1983c: 75, fig. 3. Type locality: Plaine inondée, à quelques kilomètres de Trinidad (14°46'S, 65°50'O) Bassin du Rio Mamoré [Beni Prov., Bolivia]. Holotype: MNHN 1983-0528.

Corydoras geryi Nijssen & Isbrücker, 1983c: 78, fig. 7. Type locality: Plaine inondée, à quelques kilomètres de Trinidad (14°46'S, 65°50'O), bassin du Rio Mamoré [Beni Prov., Bolivia]. Holotype: MNHN 1983-0529.

Distribution: Mamoré River basin, Bolivia (Reis, 2003).

Remarks: Isbrücker (1999b: 58) acted as first reviser in placing *Corydoras bolivianus* in the synonymy of *C. geryi*.

Corydoras gomezi Castro, 1986

Corydoras gomezi Castro, 1986b: 34, fig. 1. Type locality: Lakes of the Isla de Mocagua, Rio Amazonas/Solimões near Leticia, Comisaría del Amazonas (3°54'S, 70°14'W) [Colombia]. Holotype: UBJTL MM536.

Distribution: Amazon River basin near the border of Colombia and Brazil (Reis, 2003).

***Corydoras gossei* Nijssen, 1972**

Corydoras gossei Nijssen, 1972: 424, fig. 6. Type locality: Brazil, Est. Rondonia, creek near Guajará Mirim (10°50'S, 65°21'W), Río Mamoré system. Holotype: IRSNB 487.

Distribution: Mamoré River basin, Brazil (Reis, 2003).

***Corydoras gracilis* Nijssen & Isbrücker, 1976**

Corydoras gracilis Nijssen & Isbrücker, 1976c: 91, fig. 1 (unnumbered). Type locality: Brazil, Est. Pará, tributary of Rio Tapajós, 66.5 kilometers west of Itaituba, 4°15'S, 55°56'W. Holotype: ZMA 114687. Type locality corrected in Nijssen & Isbrücker (1980b: 214) to Rio Jauna (= R. Juma) at Trans-Amazonica highway, about 6°09'S, 59°55'W, tributary of Rio Aripuaña, Amazonas, Brazil.

Distribution: Middle and lower Amazon River basin, Brazil (Reis, 2003).

***Corydoras griseus* Holly, 1940**

Corydoras griseus Holly, 1940: 110. Type locality: in kleinen und kleinsten Wasserläufen der Nähe des Amazonenstromes [apparently in error, see Remarks]. Holotype: Münchner Tierpark A.G. 72/1938 (lost).

Corydoras griseus de weyeri Meinken, 1957: 5, unnumbered figure. Type locality: British-Guiana. Lectotype: ZMH H1186, designated by, and illustrated in, Nijssen & Isbrücker (1967: 35, pl. 3, fig. 2).

Distribution: Amazon River basin, Brazil, and Guyana (Reis, 2003).

Remarks: Nijssen & Isbrücker (1980: 210) indicated that the stated type locality of *Corydoras griseus* was incorrect and the correct locality was: Guyana, Essequibo, Portaro River, Kuribong trail.

***Corydoras guapore* Knaack, 1961**

Corydoras guapore Knaack, 1961: 135, fig. 32. Type locality: Brasilien, im Hauptstrom des oberen Rio Guaporé. Holotype: ZMB 21406.

Distribution: Guaporé River basin, Brazil (Reis, 2003).

***Corydoras guianensis* Nijssen, 1970**

Corydoras guianensis Nijssen, 1970: 21, fig. 9. Type locality: Creek at right of Nickerie River, 12 kilometers W.S.W of Stondansie Fall [Nickerie, Suriname]. Holotype: ZMA 105933.

Distribution: Coastal rivers of Suriname and French Guiana (Reis, 2003).

***Corydoras habrosus* Weitzman, 1960**

Corydoras habrosus Weitzman, 1960a: 141, fig. 1. Type locality: Río Salinas, a branch of Río Pao Viejo, El Baúl, State of Cojedes, Venezuela [8°59'N, 68°16'W]. Holotype: SU 52351.

Distribution: Upper Orinoco River basin, Colombia and Venezuela (Reis, 2003).

***Corydoras haraldschultzi* Knaack, 1962**

Corydoras haraldschultzi Knaack, 1962: 129, fig. 1. Type locality: Brasilien, Rio Guaporé. Holotype: SMF 5475.

Distribution: Brazil and Bolivia (Reis, 2003).

***Corydoras hastatus* Eigenmann & Eigenmann, 1888**

Corydoras hastatus Eigenmann & Eigenmann, 1888b: 166. Type locality: Villa Bella [= Parintins, 2°38'S, 56°45'W, Amazonas, Brazil]. Lectotype: MCZ 7747, designated by Nijssen & Isbrücker (1980b: 213).

Corydoras australe Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 123. Type locality: Corumba [19°00'S, 57°25'W, Rio Paraguay system, Mato Grosso, Brazil]. Holotype: CAS 77305.

Distribution: Amazon and Paraguay River basins (Reis, 2003).

***Corydoras heteromorphus* Nijssen, 1970**

Corydoras heteromorphus Nijssen, 1970: 22, fig. 10. Type locality: Creek at right bank of Coppename River (3°52'30"N, 56°53'W), Saramacca, Suriname. Holotype: ZMA 105880.

Distribution: Coppename and Nickerie River basins, Suriname (Reis, 2003).

***Corydoras imitator* Nijssen & Isbrücker, 1983**

Corydoras imitator Nijssen & Isbrücker, 1983c: 79, fig. 8. Type locality: haut Rio Negro, localite exact inconnue [Brazil]. Holotype: MZUSP 27894.

Distribution: Upper Negro River basin, Brazil (Reis, 2003)

***Corydoras inolicana* Burgess 1993**

Corydoras inolicana Burgess, 1993: 157, unnumbered figure. Type locality: Rio Içana, upper Rio Negro, Brazil. Holotype: MZUSP 45717.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

Corydoras isbrueckeri Knaack, 2004

Corydoras isbrueckeri Knaack, 2004: 88, figs. 30–36. Type locality: Bolivien, Departamento Santa Cruz, Provincia J.M. Velasco, System río Itenez, Nebengewässer des río Paragua (ein namenloser arroyo), 13°34.384'S, 62°03.067'W. Holotype: MTD F 28474.

Distribution: Itenez River basin, Bolivia (Knaack, 2004).

Corydoras julii Steindachner, 1906

Corydoras julii Steindachner, 1906: 480. Type locality: im Parahim, dem Ausflusse der Sess von Parnagua und an der Ausmündung des Baches bei Victoria. Lectotype: NMW 61105, designated by Nijssen & Isbrücker (1980b: 195).

Distribution: Lower Amazon River and coastal rivers in northeastern Brazil (Reis, 2003).

Corydoras kanei Grant, 1997

Corydoras kanei Grant, 1997: 41, fig. 1. Type locality: Aquarium specimens said to be from Brazil, Roraima State near Boa Vista, possibly from the Rio Branco. Holotype: MZUSP 52489.

Distribution: Negro River basin, Brazil (Reis, 2003).

Corydoras lacerdai Hieronimus, 1995

Corydoras lacerdai Hieronimus, 1995: 110, fig. 5. Type locality: Brasilien, Rio Ribeira da Terra Firme, zwischen den Städten Canavieiras und Ilheus, im Südosten des Bundesstaates Brasilien. Holotype: MZUSP 47682.

Distribution: Ribeira da Terra Firme River, Bahia State, Brazil (Reis, 2003).

Corydoras lamberti Nijssen & Isbrücker, 1986

Corydoras lamberti Nijssen & Isbrücker, 1986a: 71, fig. 16. Type locality: Loreto, cours inférieur du Rio Huytoyacu, près du village Nuevo Progreso, affluent de la rive droite du Rio Pastaza, 40 kilometers environ au N. du Lago Rimachi (4°13'S, 76°38'W), Peru. Holotype: ZMA 119335.

Distribution: Pastaza River basin, Peru (Reis, 2003).

Corydoras latus Pearson, 1924

Corydoras latus Pearson, 1924: 19, pl. 3 (fig. 1). Type locality: Lagoons, Lake Rogoagua [Bolivia]. Holotype: CAS 36452.

Distribution: Beni River basin, Bolivia (Reis, 2003).

Corydoras leopardus Myers, 1933

Corydoras leopardus Myers, 1933: 188. Type locality: Brazil [considered by Reis (2003) as likely to have come from a Brazilian coastal river south of the Amazon]. Lectotype: USNM 93305, designated by Nijssen & Isbrücker (1980b: 197).

Corydoras funnelli Fraser-Brunner, 1947: 241, fig. 1. Type locality: Amazon ? (imported aquarium specimen). Holotype: USNM 102222.

Distribution: Amazon River basin (Reis, 2003).

Corydoras leucomelas Eigenmann & Allen, 1942

Corydoras leucomelas Eigenmann & Allen, 1942: 178, pl. 12 (fig. 4). Type locality: Yarinacocha [Peru]. Holotype: CAS 36561.

Corydoras caquetae Fowler, 1943a: 248, figs. 26–27. Type locality: Florencia, Rio Ortegusa, Colombia. Holotype: ANSP 70509.

Distribution: Upper Amazon River basin (Reis, 2003).

Corydoras loretoensis Nijssen & Isbrücker, 1986

Corydoras loretoensis Nijssen & Isbrücker, 1986a: 68, fig. 4. Type locality: Loreto, Prov. Maynas, Río Nanay, plage sableuge, rive droite, environ 15 minutes en amont de Santa Clara, Peru. Holotype: NRM 26079.

Distribution: Upper Amazon River basin, Peru (Reis, 2003).

Corydoras loxozonus Nijssen & Isbrücker, 1983

Corydoras loxozonus Nijssen & Isbrücker, 1983b: 67, fig. 12. Type locality: Meta, Lomalinda near Río Ariari, tributary to Río Guaviare, S.E. of Villavicencio [Colombia]. Holotype: ANSP 150170.

Distribution: Meta River basin, Colombia (Reis, 2003).

Corydoras maculifer Nijssen & Isbrücker, 1971

Corydoras maculifer Nijssen & Isbrücker, 1971: 183, fig. 1. Type locality: Brazil, Est. Mato Grosso, Sangadina stream, 2 kilometers W of Chavantina (14°45'S, 52°20'W), tributary of the Rio das Mortes. Holotype: BMNH 1970.10.30.3.

Distribution: Upper Araguaia River basin, Brazil (Reis, 2003).

Corydoras mamore Knaack, 2002

Corydoras mamoré Knaack, 2002d: 16, unnumbered figure. Type locality: [Bolivia]. Holotype: MTD F 26741.

Distribution: Bolivia (Knaack, 2002d).

Corydoras melanistius Regan, 1912

Corydoras melanistius Regan, 1912a: 216. Type locality: Essequibo [Guyana]. Lectotype: BMNH 1864.1.21.86, designated by, and illustrated in, Nijssen & Isbrücker (1967: 32, pl. 2, fig. 1).

Corydoras wotroi Nijssen & Isbrücker, 1967: 44, pl. 5 (fig. 3). Type locality: Outlet of Kleine Saramacca along and between sand bank [Suriname]. Holotype: RMNH 25331.

Distribution: Coastal rivers of the Guianas (Reis, 2003).

Corydoras melanotaenia Regan, 1912

Corydoras melanotaenia Regan, 1912a: 217. Type locality: Honda [Río Meta system, Colombia]. Lectotype: BMNH 1909.7.23.41, designated by Nijssen & Isbrücker (1980b: 207).

Distribution: Meta River basin, Colombia (Reis, 2003).

Corydoras melini Lönnberg & Rendahl, 1930

Corydoras melini Lönnberg & Rendahl, 1930: 1, fig. 1. Type locality: Jauareté an dem Ausfluss des Rio Papuri in den Rio Uaupés [Brazil]. Lectotype: NRM 11091, designated by Nijssen & Isbrücker (1980b: 209).

Distribution: Upper Negro and Meta River basins (Reis, 2003).

Corydoras metae Eigenmann, 1914

Corydoras metae Eigenmann, 1914b: 230. Type locality: Barrigona, Rio Meta, Colombia. Holotype: CAS 36447; holotype illustrated in Eigenmann (1916: pl. 14; 1922b: 227, pl. 8, fig. 5).

Distribution: Meta River basin, Colombia (Reis, 2003)

Corydoras micracanthus Regan, 1912

Corydoras micracanthus Regan, 1912a: 211. Type locality: Salta, Argentina. Lectotype: BMNH 1897.1.27.8, designated by Nijssen & Isbrücker (1980b: 206).

Distribution: Western tributaries of Paraná River in Salta Province, Argentina (Reis, 2003).

Corydoras multimaculatus Steindachner, 1907

Corydoras multimaculatus Steindachner, 1907d: 291. Type locality: Nebenarme des Rio Preto bei Sa. Rita im Staate Bahia [Brazil]. Lectotype: NMW 46783, designated by Nijssen & Isbrücker (1980b: 196).

Distribution: Preto River basin in Bahia State, Brazil (Reis, 2003).

Corydoras multiradiatus (Orcés, 1960)

Chaenothorax multiradiatus Orcés, 1960: 3, fig. 1. Type locality: afluyente occidental del río Lagartococha, cerca del poblado de Garza-Cocha, sistema del alto Napo. Holotype: USNM 200739.

Distribution: Western Amazon River basin, Ecuador and Peru (Reis, 2003), as *Brochis multiradiatus*.

Corydoras nanus Nijssen & Isbrücker, 1967

Corydoras nanus Nijssen & Isbrücker, 1967: 41, pl. 5 (fig. 1). Type locality: Little tributaries of Gran-Rio between Ligolio and Awaradam Falls [Brokopondo, Suriname]. Holotype: RMNH 25333.

Distribution: Suriname and Maroni River basins in Suriname and Iracoubo River basin in French Guiana (Reis, 2003).

Corydoras napoensis Nijssen & Isbrücker, 1986

Corydoras napoensis Nijssen & Isbrücker, 1986a: 73, fig. 25. Type locality: Napo, Lagartococha, affluent septentrional du Rio Aguarico, entre l'embouchure de la rivière (0°39'S, 75°16'W) et le village de Garzacocha (0°28'S, 75°21'W), bassin du Rio Napo [Ecuador]. Holotype: ZMA 119226.

Distribution: Western Amazon River basin, eastern Ecuador and Peru (Reis, 2003).

Corydoras narcissus Nijssen & Isbrücker, 1980

Corydoras narcissus Nijssen & Isbrücker, 1980d: 497, fig. 2. Type locality: Brazil, Est. Amazonas, Rio Purus system, creek into Rio Ipixuna, 7°31'S, 63°16'W, 30 km west of Humaitá. Holotype: ZMA 115178.

Distribution: Purus River basin, middle Amazon River system, Brazil, (Reis, 2003).

Corydoras nattereri Steindachner, 1877

Corydoras Nattereri Steindachner, 1877a: 143, pl. 11 (fig. 1). Type locality: Affluent of Rio Parahyba, 3 mi. up, Rio de Janeiro, Brazil, by neotype designation. Neotype: MCZ 8229, designated by Nijssen & Isbrücker (1980a: 3).

Corydoras juquiaae Ihering, 1907: 36. Type locality: Juquiá River, Poço Grande, State of São Paulo [Brazil]. Lectotype: CAS 16016, designated by Ellis (1913: 403), subsequent designation by Britski (1969: 207) of MZUSP 1984 for *Corydoras juquiaae* is invalid.

Corydoras nattereri triseriatus Ihering, 1911: 386. Type locality: Rio Doce, Est. Espírito Santo [Brazil]. Lectotype: MZUSP 342, designated by Britski (1969: 207).

Distribution: Coastal rivers in southeastern Brazil from Espírito Santo to Paraná, Brazil (Reis, 2003).

Corydoras negro Knaack, 2004

Corydoras negro Knaack, 2004: 81, figs. 22–29. Type locality: Bolivien, Departamento Santa Cruz, Provincia Nuflo de Chavez, Raum Urubicha, System río Blanco, río Negro (Hauptfluss), Restgewässer, 15°31.502'S, 62°56.208'W. Holotype: MTD F 28472.

Distribution: Blanco River basin, Bolivia (Knaack, 2004).

Corydoras nijsseni Sands, 1989

Corydoras elegans nijsseni Sands, 1989: 45. Type locality: Tributary of the Rio Negro, Brazil. Holotype: reportedly deposited at RMNH; but reported as four syntypes in the on-line Catalog of Fishes, as RMNH 31625 and 31626.

Distribution: Negro River basin, Brazil (Reis, 2003).

Corydoras noelkempffi Knaack, 2004

Corydoras noelkempffi Knaack, 2004: 94, figs. 37–41. Type locality: Bolivien, Departamento Santa Cruz, Provincia J.M. Velasco, System río Itenez, río San Martin, 15°23.265'S, 61°29.758'W. Holotype: MTD F 28576.

Distribution: Itenez River basin, Bolivia (Knaack, 2004).

Corydoras oiapoquensis Nijssen, 1972

Corydoras oiapoquensis Nijssen, 1972: 425, fig. 7. Type locality: French Guiana, Cumuri Creek at left bank of Rio Oiapoque (= Oyapock River), upstream of first rapids of Grande Roche, southwest of village Oiapoque (Brazil, 03°54'N, 51°46'W). Holotype: IRSNB 489.

Distribution: Oyapock River basin, Brazil and French Guiana (Reis, 2003).

Corydoras ornatus Nijssen & Isbrücker, 1976

Corydoras ornatus Nijssen & Isbrücker, 1976b: 126, fig. 1. Type locality: Brazil, Est. Pará, Rio Tapajós, 80 km E of Jacareacanga, 06°09'S, 58°15'W. Holotype: ZMA 114690.

Distribution: Lower Tapajós River basin, Brazil (Reis, 2003).

Corydoras orphnopterus Weitzman & Nijssen, 1970

Corydoras orphnopterus Weitzman & Nijssen, 1970: 125, fig. 3. Type locality: Ecuador, Lower Río Bobonaza between Montalvo (2°06'S, 76°59'W) and Chicherota, Rio Pastaza system, Est. Pastaza. Holotype: USNM 204361.

Distribution: Pastaza River basin, Ecuador (Reis, 2003).

Corydoras osteocarus Böhlke, 1951

Corydoras osteocarus Böhlke, 1951a: 824. Type locality: San Fernando de Atabapo, where Rio Atabapo empties into the Orinoco, Venezuela (at approximately 04°03' North Latitude, 67°45' West Longitude). Holotype: SU 16333.

Distribution: Orinoco River basin and coastal rivers of Suriname (Reis, 2003).

Corydoras ourastigma Nijssen, 1972

Corydoras ourastigma Nijssen, 1972: 428, fig. 8. Type locality: Brazil, Est. Acre, Rio Iquiri (= Rio Ituxi) at road Rio Branco village —Abuna, 47 kilometers from Rio Branco village (about 10°00'S, 67°30'W), Purus River system. Holotype: IRSNB 498.

Distribution: Purus River basin, middle Amazon system, Brazil (Reis, 2003).

Corydoras oxyrhynchus Nijssen & Isbrücker, 1967

Corydoras oxyrhynchus Nijssen & Isbrücker, 1967: 42, pl. 4 (fig. 3). Type locality: Gojo Creek above Posoegroenoe, tributary of Saramacca River. Holotype: RMNH 25329.

Distribution: Saramacca River basin, Suriname (Reis, 2003).

Corydoras paleatus (Jenyns, 1842)

Callichthys paleatus Jenyns, 1842 (in Jenyns, 1840–42): 113. Type locality: South America. Lectotype: BMNH 1917.7.14.18, designated by Nijssen & Isbrücker (1980b: 204).

Corydoras maculatus Steindachner, 1879a: 32. Type locality: La Plata [Argentina]. No types known.

Corydoras marmoratus Steindachner, 1879e: 26, pl. 5 (fig. 1). Type locality: Montevideo [Uruguay] und ... La Plata innerhalb der Provinz Buenos-Ayres [Argentina]. Lectotype: NMW 5538, designated by Nijssen & Isbrücker (1980b: 204).

Corydoras microcephalus Regan, 1912a: 211. Type locality: La Plata. Lectotype: BMNH 1890.3.12.4, designated by Nijssen & Isbrücker (1980b: 204).

Silurus quadricostatus Larrañaga, 1923: 376. Type locality: Uruguay. No types known.

Silurus 7-radiatus Larrañaga, 1923: 385. Type locality: Uruguay. No types known.

Distribution: Lower Paraná River basin and coastal rivers in Uruguay and Brazil (Reis, 2003).

Remarks: The name *Corydoras punctatus argentina* first appeared in Steindachner (1879a: 26) as a name only and in synonymy of *Corydoras marmoratus*; as such it is unavailable from that publication and the name has apparently not been made available subsequently. Isbrücker (2001b) treated *Corydoras maculatus*, *C. marmoratus* and *C. microcephalus* as doubtfully valid species, but with no additional information.

Corydoras panda Nijssen & Isbrücker, 1971

Corydoras panda Nijssen & Isbrücker, 1971: 186, fig. 2. Type locality: Peru, Est. Huanuco, Aguas Amarillas, tributary of Río Pachitea, Ucayali river system. Holotype: BMNH 1969.7.15.8.

Distribution: Upper Amazon River basin, Peru (Reis, 2003).

Corydoras pantanalensis Knaack, 2001

Corydoras pantanalensis Knaack, 2001: 59, unnumbered figure. Type locality: Bolivien, Prov. Santa Cruz, Restgewässer im nördlichen Pantanal, Überschwemmungsgebiet im Raum San Lorenzo, Flusssystem Rio Cussis und Rio Las Petas. Koordinaten des Fundortes: 16°06' 525"S, 59°55'620"W [sic]. Holotype: MTD F24774.

Distribution: Cussis and Las Petas River basins, Bolivia (Reis, 2003).

Corydoras paragua Knaack, 2004

Corydoras paragua Knaack, 2004: 65, figs. 6–12. Type locality: Bolivien, Departamento Santa Cruz, Provincia J.M. Velasco, río Itenez system, río Paragua, Río Paragua, nordwestliches Ufer im Mündungsgebiet. ... 13°31.842'S, 61°90.015'W. Holotype: MTD F 28468.

Distribution: Itenez River basin, Bolivia (Knaack, 2004).

Corydoras parallelus Burgess 1993

Corydoras parallelus Burgess, 1993: 154, unnumbered figure. Type locality: Rio Içana, upper Rio Negro, Brazil. Holotype: MZUSP 45716.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

Corydoras pastazensis Weitzman, 1963

Corydoras pastazensis Weitzman, 1963: 59, fig. 1. Type locality: Chicherata, near the mouth of the Río Bobonaza, a tributary of the Río Pastaza, itself a tributary of the Río Marañon, Pastaza Province, Ecuador, about 02°33'S latitude and 76°40'W longitude. Holotype: USNM 177216.

Corydoras pastazensis orcesi Weitzman & Nijssen, 1970: 120, fig. 1. Type locality: Ecuador, Río Conambo near village of Conambo (1°55'S, 76°51'W), Río Tigre system, Est. Pastaza. Holotype: USNM 204358.

Distribution: Pastaza River basin, Ecuador (Reis, 2003).

Corydoras paucerna Knaack, 2004

Corydoras paucerna Knaack, 2004: 57, figs. 1–5. Type locality: Bolivien, Departamento Santa Cruz, Provincia J.M. Velasco, río Itenez system, río Paragua, Nebengewässer (Oberlauf) eines namenlosen arroyos (Restgewässer): 13°34.384'S, 62°03.067'W. Holotype: MTD F 28466.

Distribution: Itenez River basin, Bolivia (Knaack, 2004).

Corydoras pinheiroi Dinkelmeyer, 1995

Corydoras pinheiroi Dinkelmeyer, 1995: 60, unnumbered figure. Type locality: Brasilien, Est. Rondonia, in einem Nebenfluss des Rio Ribeiro bei der Ortschaft Guajará-Mirim. Holotype: MZUSP 48099.

Distribution: Western Amazon River basin in Rondônia State, Brazil (Reis, 2003).

***Corydoras polystictus* Regan, 1912**

Corydoras polystictus Regan, 1912a: 216. Type locality: Descalvados, Matto Grosso [Brazil]. Lectotype: BMNH 1895.5.17.62, designated by Nijssen & Isbrücker (1980b: 197).

Corydoras virescens Miranda Ribeiro, 1912: 16. Type locality: Rio Paraguay, perto de Cáceres [Brazil]. Holotype: MNRJ 3806.

Distribution: Paraguay River basin, Brazil (Reis, 2003).

Remarks: Publication of the name *Corydoras polystictus* apparently predates that of *C. virescens*; see Eschmeyer (1998) for reported publication dates of relevant descriptions.

***Corydoras potaroensis* Myers, 1927**

Corydoras potaroensis Myers, 1927: 126. Type locality: Br. Guiana: Creek below Potaro Landing. Lectotype: CAS 24754, designated by Nijssen & Isbrücker (1980b: 208).

Distribution: Potaro River basin, Guyana (Reis, 2003).

***Corydoras pulcher* Isbrücker & Nijssen, 1973**

Corydoras pulcher Isbrücker & Nijssen, 1973: 2, fig. 1. Type locality: Brazil, Est. Amazonas, Rio Purus, north of Lábrea (7°20'S, 64°46'W), Rio Amazonas system. Holotype: SMF 9231.

Distribution: Purus River basin, middle Amazon system, Brazil (Reis, 2003).

***Corydoras punctatus* (Bloch, 1794)**

Cataphractus punctatus Bloch, 1794: 90, pl. 377 (fig. 2). Type locality: Flüßsen Surinams. Lectotype: ZMB 3149, designated by Nijssen & Isbrücker (1975: 63). Earlier neotype designation by Nijssen & Isbrücker (1967: 28) (RMNH 25301) invalidated by rediscovery of syntype series. Placed on Official list (ICZN Opinion 1169).

Distribution: Suriname River basin in Suriname and Iracoubo River basin in French Guiana (Reis, 2003).

Remarks: Isbrücker (1999, 2000) discussed the taxonomic history of this species.

***Corydoras pygmaeus* Knaack, 1966**

Corydoras pygmaeus Knaack, 1966a: 168, first unnumbered figure. Type locality: einem Nebenfluß des Rio Madeira (Brasilien). Holotype: ZMB 21620. Also described as new in Knaack (1966b: 364).

Distribution: Madeira River basin (Reis, 2003).

***Corydoras rabauti* La Monte, 1941**

Corydoras rabauti La Monte, 1941: 5. Type locality: A tributary of the Amazon River [Brazil]. Holotype: AMNH 15644.

Corydoras myersi Miranda Ribeiro, 1942: 427, fig. 1. Type locality: Rio Javari, Município de Benjamin Constant, Estado do Amazonas, Brasil. Holotype: MNRJ 3626.

Distribution: Upper Amazon, Solimões, and Negro River basins (Reis, 2003).

***Corydoras reticulatus* Fraser-Brunner, 1938**

Corydoras reticulatus Fraser-Brunner, 1938: 208, fig. 2 (unnumbered). Type locality: Monte Alegre River, Amazon [Brazil] (2°00'S, 54°04'W), by neotype designation. Neotype: BMNH 1926.10.27.333.

Distribution: Lower Amazon River basin, Brazil (Reis, 2003).

Remarks: Original two syntypes are considered to be lost and Fraser-Brunner (1947: 245) redescribed species with a "holotype" which Weitzman (1960b) designated as neotype (see Nijssen & Isbrücker, 1980: 197; Reis, 2003).

† ***Corydoras revelatus* Cockerell, 1925**

† *Corydoras revelatus* Cockerell, 1925: 398. Type locality: Sunchal, Province of Jujuy, Argentina; Tertiary. Holotype: At University of Colorado.

Distribution: Maiz Gordo Formation, Sunchal, Jujuy Province, and Salta, Argentina; late Paleocene (Reis, 1998b: 357).

Remarks: Redescribed in Bardack (1961).

***Corydoras reynoldsi* Myers & Weitzman, 1960**

Corydoras reynoldsi Myers & Weitzman, 1960: 105, fig. 2. Type locality: Tributary to the Río Orteguzza, opposite the town and air base known as Tres Esquinas, Caquetá Province, Colombia. Holotype: SU 52349.

Distribution: Upper Caquetá River basin, Colombia (Reis, 2003).

Remarks: The caption for figure 2 lists SU 50702 as the holotype of *Corydoras reynoldsi*. Apparently the holotype

was removed from this lot and assigned a new number, and the inclusion of the original catalog number in the figure caption is a *lapsus calami*.

Corydoras robineae Burgess, 1983

Corydoras robineae Burgess, 1983: 42, unnumbered figure. Type locality: Rio Aiuana, a southern tributary of the middle Rio Negro, Amazonas, Brazil. Holotype: MZUSP 27175.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

Corydoras robustus Nijssen & Isbrücker, 1980

Corydoras robustus Nijssen & Isbrücker, 1980d: 499, fig. 3. Type locality: Brazil, Est. Amazonas, Rio Purus system, creek into Rio Ipixuna, 07°31'S, 63°16'W, 30 km west of Humaitá. Holotype: ZMA 115179.

Distribution: Purus River basin, middle Amazon system, Brazil (Reis, 2003).

Corydoras sanchesii Nijssen & Isbrücker, 1967

Corydoras sanchesii Nijssen & Isbrücker, 1967: 43, pl. 5 (fig. 2). Type locality: Gojo Creek above Posoegroenoe, tributary of Saramacca River [Suriname]. Holotype: RMNH 25319.

Distribution: Saramacca River basin, Suriname (Reis, 2003).

Corydoras saramaccensis Nijssen, 1970

Corydoras saramaccensis Nijssen, 1970: 38, fig. 21. Type locality: Creek at right bank of Kleine Saramacca River, 11 km E.S.E. from junction with Saramacca River, Brokopondo, Suriname. Holotype: ZMA 106018.

Distribution: Saramacca River basin, Suriname (Reis, 2003).

Corydoras sararensis Dinkelmeyer, 1995

Corydoras sararensis Dinkelmeyer, 1995: 61, unnumbered figure. Type locality: Brasilien, Est. Mato Grosso, Rio Sararé, rechter Nebenfluß des Rio Guaporé. Holotype: MZUSP 48100.

Distribution: Guaporé River basin, Brazil (Reis, 2003).

Corydoras schwartzii Rössel, 1963

Corydoras schwartzii Rössel, 1963: 359, fig. 1. Type locality: Brasilien, Mündungsgebiet des Rio Purus. Holotype: SMF 6425.

Distribution: Purus River basin, middle Amazon system, Brazil (Reis, 2003).

Corydoras semiaquilus Weitzman, 1964

Corydoras semiaquilus Weitzman, 1964: 121, fig. 5. Type locality: Igarapé Preto, a small jungle rivulet at the headwaters of the black water creeks, which empty in the upper Solimões, State of Amazonas, Brazil. Holotype: SU 55939.

Distribution: Western Amazon River basin (Reis, 2003).

Corydoras septentrionalis Gosline, 1940

Corydoras septentrionalis Gosline, 1940b: 16. Type locality: Río Piña, north of Maturín, Venezuela. Holotype: SU 35055.

Corydoras cortesi Castro, 1987: 31, fig. 1. Type locality: Río Arauca near to Arauca, Intendencia de Arauca (7°03'N, 70°46'W) [Colombia]. Holotype: UBJTL MM671.

Distribution: Orinoco River basin (Reis, 2003).

Corydoras serratus Sands, 1995

Corydoras serratus Sands, 1995: 14, fig. 7. Type locality: Rio Poranga, 8 kilometers north of the Nobua oba, where the two streams join a small tributary of the upper Negro river, Brazil. Holotype: LIVCM 1994.4.38.

Distribution: Upper Negro River basin, Brazil (Reis, 2003).

Corydoras seussi Dinkelmeyer, 1996

Corydoras seussi Dinkelmeyer, 1996: 25. Type locality: Brasilien, Est. Rondonia, kleiner Nebenfluß des Rio Pacaás Novos, eines rechtsseitigen Zuflusses des Rio Mamoré nahe bei Guajara-Mirim. Holotype: MZUSP 49322.

Distribution: Mamoré River basin, Brazil (Reis, 2003).

Corydoras similis Hieronimus, 1991

Corydoras similis Hieronimus, 1991: 39, fig. 1. Type locality: Brasilien, in der Nähe der Stadt Ariquemes in einem Zufluß zum Rio Madeira, Bundesstaat Rondonia. Holotype: ZFMK 16400.

Distribution: Madeira River basin, Brazil (Reis, 2003).

Corydoras simulatus Weitzman & Nijssen, 1970

- Corydoras simulatus* Weitzman & Nijssen, 1970: 126, fig. 4. Type locality: Colombia, Río Ocoá near Puerto López (04°06'N, 72°57'W), Río Meta system, Est. Meta. Holotype: USNM 197615.
Distribution: Upper Meta River, Colombia (Reis, 2003).
- Corydoras sipaliwini*** Hoedeman, 1965
Corydoras punctatus sipaliwini Hoedeman, 1965: 87, fig. 46. Type locality: Sipalawini River [Suriname]. Lectotype: ZMA 104.278, designated by Isbrücker (2000).
Distribution: Coastal river basins of Guyana and Suriname (Reis, 2003).
- Corydoras sodalis*** Nijssen & Isbrücker, 1986
Corydoras sodalis Nijssen & Isbrücker, 1986a: 68, fig. 6. Type locality: Loreto, Rio Yavari, Cano de Guavariba dans le Lago Matamata (04°12'S, 70°17'W), Peru. Holotype: NRM 13713.
Distribution: Amazon River of Brazil and Peru (Reis, 2003).
- Corydoras solox*** Nijssen & Isbrücker, 1983
Corydoras solox Nijssen & Isbrücker, 1983c: 80, fig. 9. Type locality: bassin du Rio Oiapoque, 60 km S du village Martinique (03°51'N, 51°53'O), Terr. Amapa, Brazil. Holotype: MNHN 1983-0531.
Distribution: Oyapock River basin and smaller coastal drainages in French Guiana (Reis, 2003).
- Corydoras spectabilis*** Knaack, 1999
Corydoras spectabilis Knaack, 1999c: 74, unnumbered figure. Type locality: Brasilien, Mato Grosso, Oberlauf Rio Guaporé im Raum Vila Bela. Holotype: ZMB 33150.
Distribution: Guaporé River basin, Brazil (Reis, 2003).
Remarks: Apparently also published as new in Knaack (1999e).
- Corydoras spilurus*** Norman, 1926
Corydoras spilurus Norman, 1926b: 95. Type locality: Iponcin Creek, into Approuague River, French Guiana. Lectotype: BMNH 1926.3.2.738, designated by, and illustrated in, Nijssen & Isbrücker (1967: 33, pl. 2, fig. 2).
Distribution: Approuague River basin, French Guiana, and Suriname River basin, Suriname (Reis, 2003).
- Corydoras splendens*** (Castelneau, 1855)
Callichthys splendens Castelneau, 1855: 39, pl. 18 (fig. 3). Type locality: Rio Tocantins [Brazil]. Holotype: MNHN 0000-4291.
Callichthys taiosh Castelneau, 1855: 39, pl. 19 (fig. 1). Type locality: Chiquitos [Bolivia]. Holotype: possibly MNHN 0000-4290. Castelneau indicated that he saw only a drawing of this species, but the specimen listed here was taken by a Mr. Weddell, from the correct locality and appears to be the specimen upon which the illustration was prepared.
Brochis coeruleus Cope, 1872a: 277, pl. 9 (fig. 3). Type locality: Tributaries of the Ambyiacu. Lectotype: ANSP 8231, designated by Nijssen & Isbrücker (1970: 157–158).
Brochis dipterus Cope, 1872a: 278. Type locality: Ambyiacu River. Holotype: ANSP 117172.
Corydoras semiscutatus Cope, 1872a: 280, pl. 6 (fig. 1). Type locality: Ambyiacu River. Holotype: ANSP 8289.
Chaenothorax bicarinatus Cope, 1878: 679. Type locality: Peruvian Amazon. Holotype: ANSP 21447.
Chaenothorax eigenmanni Ellis, 1913: 393, pl. 26 (fig. 2). Type locality: Cáceres [Mato Grosso, Brazil]. Holotype: FMNH 54880.
Distribution: Amazon River basin, Brazil, Colombia, Ecuador, and Peru, as *Brochis splendens* (Reis, 2003).
Remarks: *Callichthys splendens* was apparently first given precedence over *C. taiosh* in Nijssen and Isbrücker (1970: 157).
- Corydoras steindachneri*** Isbrücker & Nijssen, 1973
Corydoras steindachneri Isbrücker & Nijssen, 1973: 4, fig. 3. Type locality: Brazil, Est. Paraná, Paranaguá (25°32'S, 48°36'W). Holotype: NMW 1504.
Distribution: Coastal rivers in Paraná State, Brazil (Reis, 2003).
- Corydoras stenocephalus*** Eigenmann & Allen, 1942
Corydoras stenocephalus Eigenmann & Allen, 1942: 177, pl. 12 (fig. 2). Type locality: Yarinococha [Peru]. Holotype: CAS 36386.
Distribution: Eastern Ecuador and Ucayali River basin, Peru (Reis, 2003).
- Corydoras sterbai*** Knaack, 1962

- Corydoras sterbai* Knaack, 1962: 131, pl. 12 (fig. 2). Type locality: Brasilien. Holotype: SMF 5476.
Distribution: Central Brazil and Bolivia (Reis, 2003).
- Corydoras surinamensis*** Nijssen, 1970
Corydoras schwartzi surinamensis Nijssen, 1970: 39, fig. 22. Type locality: Creek at right bank of Coppename River (03°52'30"N, 56°53'00"W), Saramacca, Suriname. Holotype: ZMA 105876.
Distribution: Coppename River basin, Suriname (Reis, 2003).
- Corydoras sychri*** Weitzman, 1960
Corydoras sychri Weitzman, 1960a: 151, fig. 7. Type locality: Tropical South America. Holotype: SU 51295.
Distribution: Nanay River basin, Peru (Reis, 2003).
- Corydoras treitlii*** Steindachner, 1906
Corydoras treitlii Steindachner, 1906: 478. Type locality: Mündungstelle eines kleinen Baches gefangen, der bei dem Städtchen Victoria in der Parnahyba fällt [Brazil]. Lectotype: NMW 61103, designated by Weitzman (1964: 116).
Distribution: Coastal drainages in northeastern Brazil (Reis, 2003).
- Corydoras trilineatus*** Cope, 1872
Corydoras trilineatus Cope, 1872a: 281, pl. 6 (fig. 2). Type locality: Ambyiacu River [Peru]. Lectotype: ANSP 8294, designated by Nijssen & Isbrücker (1980b: 194).
Corydoras episcopi Eigenmann & Allen, 1942: 177, pl. 12 (fig. 3). Type locality: Rio Morona. Holotype: CAS 36448.
Corydoras dubius Nijssen & Isbrücker, 1967: 38, pl. 4 (fig. 2). Type locality: Suriname, surroundings of Paramaribo. Holotype: ZMA 104623.
Distribution: Middle and upper Amazon River basin and coastal drainages of Suriname (Reis, 2003).
- Corydoras tukano*** Britto & Lima, 2003
Corydoras tukano Britto & Lima, 2003: 84, figs. 1, 2. Type locality: Brazil, estado do Amazonas, rio Tiquie, comunidade de Caruru, beaches in pool below the fall, 0°16'28.9"N, 69°54'53.6"W (UTM 19N0398191/0030366). Holotype: MZUSP 82100.
Distribution: Tiquié River basin, Negro River drainage, Brazil (Britto & Lima, 2003).
- Corydoras undulatus*** Regan, 1912
Corydoras undulatus Regan, 1912a: 217. Type locality: La Plata. Holotype: BMNH 1912.7.10.5.
Distribution: Lower Paraná River basin and coastal rivers in southern Brazil (Reis, 2003).
- Corydoras virginiae*** Burgess, 1993
Corydoras virginiae Burgess, 1993: 152, unnumbered figure. Type locality: Rio Ucayali, Peru. Holotype: MZUSP 45715.
Distribution: Ucayali River basin, Peru (Reis, 2003).
- Corydoras vittatus*** Nijssen, 1971
Corydoras blochi vittatus Nijssen, 1971: 97, fig. 7. Type locality: Brazil, Est. Maranhão, tributary of Rio Itapicurú at Caxias (4°53'S, 43°20'W). Holotype: ZMA 109990.
Distribution: Itapicurú River basin in northeastern Brazil (Reis, 2003).
- Corydoras weitzmani*** Nijssen, 1971
Corydoras weitzmani Nijssen, 1971: 91, fig. 1. Type locality: Peru, Est. Cuzco, at Cuzco (13°32'S, 71°57'W), Vilcanota river system. Holotype: FMNH 69934.
Distribution: Western Amazon River basin, Peru (Reis, 2003).
- Corydoras xinguensis*** Nijssen, 1972
Corydoras xinguensis Nijssen, 1972: 429, fig. 9. Type locality: Brazil, Est. Mato Grosso, Suia Missú Creek, tributary of upper Ríó Xingu near Posto Diauarum (about 11°15'S, 53°00'W). Holotype: IRSNB 500.
Distribution: Upper Xingu River basin, Brazil (Reis, 2003).
- Corydoras zygotus*** Eigenmann & Allen, 1942
Corydoras zygotus Eigenmann & Allen, 1942: 175, pl. 12 (fig. 1). Type locality: Creek, Yurimaguas [Peru]. Holotype: CAS 24756.
Distribution: Western Amazon River basin (Reis, 2003).

DIANEMA

Dianema Cope, 1871b: 112. Type species: *Dianema longibarbis* Cope, 1872. Type by subsequent monotypy by Cope (1872). Gender: Neuter. Appeared first with brief description and no species; a single species assigned to this genus by Cope (1872a: 276).

Decapogon Eigenmann & Eigenmann, 1888b: 165. Type species: *Callichthys adspersus* Steindachner, 1877. Type by monotypy. Gender: Masculine.

Phylogeny: Reis (1997).

Dianema longibarbis Cope, 1872

Dianema longibarbis Cope, 1872a: 276, pl. 7 (fig. 1). Type locality: Ambyiacu River, Peru. Syntypes: ANSP 8285 (1), ANSP 21540 (1).

Callichthys adspersus Steindachner, 1877a: 135, pl. 11 (fig. 2). Type locality: Stromgebiete des Amazonasflusses von Santarem bis Tabatinga ... im Xingu bei Porto do Moz, im Amazonasstrome bei Cudajas und bei Tabatinga [Brazil]. Syntypes: MCZ 8223 (8), MCZ 8245 + 8265 (8), MCZ 18266 (1), NMW 47667 (2), NMW 47668 (2), NMW 47669 (2), NMW 47672 (2), NMW 47673 (2), USNM 41518 (1).

Decapogon verissimi Miranda Ribeiro, 1911: 154, pl. 36 (fig. 1). Type locality: Pará [Brazil]. Lectotype: MNRJ 774a, designated by Miranda Ribeiro (1953: 395).

Distribution: Amazon River basin (Reis, 2003).

Dianema urostriatum (Miranda Ribeiro, 1912)

Decapogon urostriatum Miranda Ribeiro, 1912: 15. Type locality: Manáos [Brazil]. Lectotype: MNRJ 1067a, designated by Miranda Ribeiro (1953: 395). Name spelled *Decapogon urotriatum* in heading of account, but corrected to *urostriatum* in attached printed corrigendum.

Distribution: Amazon River basin, Brazil (Reis, 2003).

HOPLOSTERNUM

Hoplosternum Gill, 1858: 395. Type species: *Callichthys laevigatus* Valenciennes, 1836. Type by original designation. Gender: Neuter.

Cascadura Ellis, 1913: 387. Type species: *Cascadura maculocephala* Ellis, 1913. Type by monotypy. Gender: Feminine.

Cataphractops Fowler, 1915a: 231. Type species: *Callichthys melampterus* Cope, 1872. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Hoplosternum*.

Ellisichthys Miranda Ribeiro, 1920: 11. Type species: *Cascadura maculocephala* Ellis, 1913. Type by being a replacement name. Gender: Masculine. Proposed as a replacement for *Cascadura* Ellis, 1913, considered to be an inappropriate choice for a scientific name.

Diasternum Franz, 2001: 17. Type species: *Hoplosternum punctatum* Meek & Hildebrand, 1916. Type by original designation. Gender: Neuter.

Revision: Reis (1997).

Remarks: Lundberg (1997) reports a fossil identified as *Hoplosternum* sp. from the middle Miocene in the La Venta formation, Magdalena River basin, Colombia.

Hoplosternum littorale (Hancock, 1828)

Callichthys littoralis Hancock, 1828: 244, pl. 32 (fig. 1). Type locality: Demerara [Guyana]. BMNH 1996.7.11.1.

Callichthys laevigatus Valenciennes, 1836, in Valenciennes, 1835–47: pl. 5 (fig. 2). Type locality: l'Amérique depuis Corrientes jusque dans les eaux douces des isles des Antilles, car nous l'avons de la Trinité. Holotype: possibly MNHN 0000-4271 (2), MNHN 0000-4272 (2), or MNHN 0000-4274 (1). Name available from plate, with distribution in Valenciennes (1847: 7); description in Valenciennes (1840b: 314), with location given as Buénos-Ayres. Illustrated specimen must be treated as a holotype if it can be recognized among the listed specimens.

Callichthys subulatus Valenciennes, in Cuvier & Valenciennes, 1840b: 311 (231 in the Strasbourg deluxe edition). Type locality: Cayenne, ... Buénos-Ayres. Syntypes: MNHN 0000-4268 (1), MNHN 0000-4269 (2), MNHN 0000-4270 (1).

Callichthys albidus Valenciennes, in Cuvier & Valenciennes, 1840b: 316 (235 in the Strasbourg deluxe edition).

Type locality: Cayenne. Syntypes: MNHN 0000-4276 (1), MNHN 0000-4277 (1).

Callichthys chiquitos Castelnau, 1855: 38, pl. 18 (fig. 2). Type locality: la province de Chiquitos [Bolivia]. Holotype: MNHN 0000-4285.

Hoplosternum stevardii Gill, 1858: 401. Type locality: Island of Trinidad, West Indies. Syntypes (2): USNM 5944 (1).

Callichthys melampterus Cope, 1872a: 275, pl. 14 (fig. 4). Type locality: Rio Ambyiacu, Peru. Lectotype: ANSP 8318, designated by Reis (1997: 303).

Hoplosternum schreineri Miranda Ribeiro, 1911: 150, pl. 35 (fig. 3). Type locality: Amazonas, Brazil. Lectotype: MNRJ 1051a, designated by Miranda Ribeiro (1953: 396).

Cascadura maculocephala Ellis, 1913: 387, pl. 25 (fig. 3). Type locality: Uruguayana [Rio Grande do Sul, Brazil]. Holotype: FMNH 54878.

Hoplosternum shirui Fowler, 1940a: 232, figs. 18–20. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68648.

Hoplosternum littorale daillyi Hoedeman, 1952b: 7. Type locality: Suriname (near Paramaribo). Holotype: ZMA 100277a.

Hoplosternum thoracatum cayennae Hoedeman, 1961: 130. Type locality: French Guiana: Ile de Cayenne. Holotype: ZMA 102238a.

Distribution: Most cis-Andean South American river drainages north of Buenos Aires (Reis, 2003).

***Hoplosternum magdalenae* Eigenmann, 1913**

Hoplosternum magdalenae Eigenmann, in Ellis, 1913: 412. Type locality: Soplaviento, Colombia. Holotype: FMNH 56281; holotype illustrated in Eigenmann (1922b: 65, pl. 8, figs. 3, 4). Also described as new in Eigenmann (1913: 30).

Distribution: Magdalena and Sinu River basins, Colombia (Reis, 2003).

***Hoplosternum punctatum* Meek & Hildebrand, 1916**

Hoplosternum punctatum Meek & Hildebrand, 1916: 264, pl. 14. Type locality: Rio Marte Arnade, 6 miles east of Panama City, Panama. Holotype: FMNH 8943.

Distribution: Pacific coastal drainages of Panama and Atrato River basin, Colombia (Reis, 2003).

LEPTHOPOSTERNUM

Lepthoplosternum Reis, 1997: 315. Type species: *Callichthys pectoralis* Boulenger, 1895. Type by original designation. Gender: Neuter.

Revision: Reis (1997).

Key: Reis & Kaefer (2005).

***Lepthoplosternum altamazonicum* Reis, 1997**

Lepthoplosternum altamazonicum Reis, 1997: 318, fig. 14. Type locality: Peru: Pucallpa: Río Ucayali. Holotype: MHNG 2551.01.

Distribution: Upper Amazon River basin, Peru (Reis, 2003).

***Lepthoplosternum beni* Reis, 1997**

Lepthoplosternum beni Reis, 1997: 319, fig. 15. Type locality: Peru: Madre de Dios: Tambopata Reserve (12°15'S, 69°17'W). Holotype: USNM 329424.

Distribution: Madeira River basin of Bolivia and Peru (Reis, 2003).

***Lepthoplosternum pectorale* (Boulenger, 1895)**

Callichthys pectoralis Boulenger, 1895b: 525. Type locality: Monte Sociedad, Paraguayan Chaco. Syntypes: BMNH 1895.5.17.57–61; syntype illustrated in Boulenger (1896c: pl. 4, fig. 4).

Distribution: Paraguay River basin (Reis, 2003).

***Lepthoplosternum stellatum* Reis & Kaefer, 2005**

Lepthoplosternum stellatum Reis & Kaefer, 2005: 725, fig. 2. Type locality: Brazil, Amazonas, Tefé, Igarapé Remar-timento, tributary of Lago Tefé, 1.5 km downstream from bridge on Tefé-Agrovila road, 03°24'28"S, 64°44'10"W. Holotype: MCP 35599.

Distribution: Tefé Lake tributary, Upper Amazon River basin, Brazil (Reis & Kaefer, 2005).

Leptoplosternum tordilho Reis, 1997

Leptoplosternum tordilho Reis, 1997: 321, fig. 16. Type locality: Brazil: Rio Grande do Sul: Marginal lagoon near sanga do Junco, on dust road between hwy BR-116 and Barra do Ribeiro. Holotype: MCP 16310.

Distribution: Northern tributaries of Laguna dos Patos in southern Brazil (Reis, 2003).

Leptoplosternum ucamara Reis & Kaefer, 2005

Leptoplosternum ucamara Reis & Kaefer, 2005: 728, fig. 4. Type locality: Peru, Loreto, Pacay-Samiria National Reserve, Río Ucayali drainage, small creek into cocha Zapote, tributary to Rio Pacaya, 05°20'16"S, 74°29'10"W. Holotype: MUSM 23000.

Distribution: Ucayali River, Peru and Japurá River mouth, Brazil (Reis & Kaefer, 2005).

MEGALECHIS

Megalechis Reis, 1997: 310. Type species: *Callichthys thoracatus* Valenciennes, 1840. Type by original designation.

Gender: Feminine.

Revision: Reis (1997).

Remarks: Nomenclature of species in this genus corrected by Reis *et al.* (2005).

Megalechis picta (Müller & Troschel, 1848)

Callichthys pictus Müller & Troschel, 1848: 630. Type locality: Britisch-Guiana. Syntype: ZMB 3151 (1).

Callichthys sulcatus Kner, 1855a: 110. Type locality: Rio branco und Marabitanas [Brazil]. Lectotype: NMW 4775, designated by (Reis, 1997: 311). Originally *Cal. sulcatus*.

Hoplosternum oronocoi Fowler, 1915a: 229, fig. 8. Type locality: La Pedrita, Cano Uracoa, Venezuela. Holotype: ANSP 37895.

Distribution: Amazon, Orinoco and upper Essequibo River basins, and coastal rivers of northern Brazil (Reis *et al.*, 2005: 681).

Megalechis thoracata (Valenciennes, 1840)

Callichthys thoracatus Valenciennes, in Cuvier & Valenciennes, 1840b: 309 (230 in the Strasbourg deluxe edition), pl. 443. Type locality: la Mana [French Guiana]. Holotype: MNHN 0000-4266.

Callichthys longifilis Valenciennes, in Cuvier & Valenciennes, 1840b: 317 (235 in the Strasbourg deluxe edition). Type locality: Cayenne. Holotype: MNHN 0000-4284.

Callichthys personatus Ranzani, 1841: 113. Type locality: [Unknown, apparently Brazil]. Holotype: MZUB 934. Illustrated and described in more detail in Ranzani (1842: 322, pl. 24, fig.1).

Callichthys exaratus Müller & Troschel, 1848: 630. Type locality: Britisch-Guiana. Type (s): Whereabouts unknown.

Hoplosternum thoracatum surinamensis Hoedeman, 1952b: 5. Type locality: Surinam. Holotype: ZMA 100292.

Distribution: Amazon, Orinoco and Paraguay River basins, and coastal rivers of the Guianas and northern Brazil (Reis *et al.*, 2005).

SCLEROMYSTAX Günther, 1864

Scleromystax Günther, 1864: 225, 229. Type species: *Callichthys barbatus* Quoy & Gaimard, 1824. Type by monotypy. Gender: Masculine. Described in key (p. 225) as a subgenus of *Callichthys*, with species on p. 229.

Remarks: Recently removed from the synonymy of *Corydoras* by Britto (2003).

Scleromystax barbatus (Quoy & Gaimard, 1824)

Callichthys barbatus Quoy & Gaimard, 1824: 234. Type locality: ...petit ruisseaux qui aurosent, près de Rio de Janeiro, la ferme de Mandioca; [now: Fazenda da Japuyba near Angra dos Reis, Rio de Janeiro, Brazil, 22°59'S, 44°17'W, by neotype designation]. Neotype: CAS 16006, designated by Nijssen & Isbrücker (1980b: 202).

Corydoras kronei Miranda Ribeiro, 1907a: 189, figure on p. 189. Type locality: buracos do leite dos Rios Una da Aldeia e Despraiado [Iporanga, Brazil]. Lectotype: MNRJ 918A, designated by Nijssen & Isbrücker (1980b: 202).

Corydoras eigenmanni Ihering, 1907: 34. Type locality: Riverlets by Cubatão and Raiz da Serra, State of São Paulo. Lectotype: MZUSP 153, designated by Britski (1969: 206).

Distribution: Coastal drainages from Rio de Janeiro to Santa Catarina States, Brazil (Reis, 2003).

Scleromystax macropterus (Regan, 1913)

Corydoras macropterus Regan, 1913a: 232. Type locality: Paranagua, Brazil. Lectotype: BMNH 1913.1.1.11, designated by Nijssen & Isbrücker (1980b: 206).

Corydoras bertonii Eigenmann, in Eigenmann & Allen, 1942: 179. Type locality: Puerto Bertoni, Alto Paraná, Paraguay. Holotype (32 mm FL): IU 15441 (apparently not found at CAS).

Distribution: Coastal rivers of Brazil from São Paulo to Santa Catarina States, and some tributaries of the upper Paraná River (Reis, 2003).

Remarks: See Buckup & Malabarba (1990) for comments on the type locality of *Corydoras macropterus*.

Scleromystax prionotos (Nijssen & Isbrücker, 1980)

Corydoras prionotos Nijssen & Isbrücker, 1980a: 5, figs. 6–7. Type locality: Linhares, 19°22'S, 40°04'W, Lagoa Juparanã, Rio Doce system [Brazil]. Holotype: MNRJ 10537.

Distribution: Coastal rivers in southeastern Brazil from Espírito Santo to São Paulo, Brazil (Reis, 2003).

Scleromystax salmactis Britto & Reis, 2005

Scleromystax salmactis Britto & Reis, 2005: 482, figs. 1–2. Type locality: Brazil, Estado de Santa Catarina, Praia Grande, arroio Molha Coco in Vila Rosa nearly 5.5 km northwest from Praia Grande, 29°10'14"S 49°58'53"W. Holotype: MCP 38388.

Distribution: Mampituba, Araranguá and Ratonés river basins, Santa Catarina State, Brazil (Britto & Reis, 2005).

CETOPSIDAE Bleeker, 1858

Cetopsini Bleeker, 1858b: 49, 250, 257. Type genus: *Cetopsis* Spix & Agassiz, 1829.

Helogenidae Regan, 1911: 573. Type genus: *Helogenes* Günther, 1863.

Taxonomic summary: Vari & Ferraris (2003).

Revision: Vari *et al.* (2005), Cetopsinae; Vari & Ortega (1986), Helogeninae.

Monophyly: de Pinna & Vari (1995).

5 genera, 41 species; no named fossil taxa.

CETOPSIDIUM Vari, Ferraris & de Pinna, 2005

Cetopsidium Vari, Ferraris & de Pinna, 2005: 133. Type species: *Pseudocetopsis orientale* Vari, Ferraris & Keith, 2003. Type by original designation. Gender: Neuter.

Cetopsidium ferreirai Vari, Ferraris & de Pinna, 2005

Cetopsidium ferreirai Vari, Ferraris & de Pinna, 2005: 133, fig. 1. Type locality: Brazil. Pará: Rio Trombetas basin, Rio Mapuera, last cachoeira before Rio Trombetas (approximately 1°05'S, 57°01'W). Holotype: INPA 10194.

Distribution: Trombetas River basin, Brazil (Vari *et al.*, 2005: 135).

Cetopsidium minutum (Eigenmann, 1912)

Hemicetopsis minutus Eigenmann, 1912b: 211, pl. 23 (fig. 2). Type locality: Amatum Cataract, British Guiana. Holotype: FMNH 53262.

Distribution: Potaro and Middle Essequibo Rivers, Guyana (Vari *et al.*, 2005: 137).

Cetopsidium morenoi (Fernández-Yépez, 1972)

Hemicetopsis morenoi Fernández-Yépez, 1972b: 19. Type locality: Río Aguaro, 1 km. abajo del paso Garcerito al Oeste franco de Santa Rita, Estado Guárico, Venezuela. Holotype: author's personal collection, whereabouts unknown.

Distribution: Central and western tributaries of Orinoco River basin, Colombia and Venezuela (Vari *et al.*, 2005: 141).

Cetopsidium orientale (Vari, Ferraris & Keith, 2003)

Pseudocetopsis orientale Vari, Ferraris & Keith, 2003: 693, fig. 1. Type locality: Suriname, Brokopondo District, Mindrineti Kreek, close to mouth of Maykaboeka Kreek, Saramacca River basin, on Gros Rosevel Mining concession (5°07'08.8"N, 55°16'59.4"W). Holotype: MHNG 2621-040.

Distribution: Suriname and French Guiana (Vari *et al.*, 2005: 144).

Cetopsidium pemon Vari, Ferraris & de Pinna, 2005

Cetopsidium pemon Vari, Ferraris & de Pinna, 2005: 144, fig. 8–9. Type locality: Venezuela. Bolivar: Río Caroni, at mouth of Río Claro (7°54'45"N, 63°02'35"W). Holotype: MCNG 19475.

Distribution: Caroni, Caura and Meta river basins, Venezuela and Colombia, Branco River, Brazil (Vari *et al.*, 2005: 146).

Cetopsidium roae Vari, Ferraris & de Pinna, 2005

Cetopsidium roae Vari, Ferraris & de Pinna, 2005: 147, fig. 10. Type locality: Guyana. Rupununi River, Karanambo (3°45'N, 58°18'W). Holotype: BMNH 1972.7.27.629.

Distribution: Rupununi region, Guyana (Vari *et al.*, 2005: 149).

CETOPSIS Spix & Agassiz, 1829

Cetopsis Spix & Agassiz, 1829: 11. Type species: *Silurus coecutiens* Lichtenstein, 1819. Type by subsequent designation by Bleeker (1862–63: 16). Gender: Feminine.

Hemicetopsis Bleeker, 1862c: 403. Type species: *Cetopsis candiru* Spix & Agassiz, 1829. Type by monotypy. Gender: Feminine.

Pseudocetopsis Bleeker, 1862c: 403. Type species: *Cetopsis gobioides* Kner, 1857. Type by monotypy. Gender: Feminine.

Bathycetopsis Lundberg & Rapp Py-Daniel, 1994: 382. Type species: *Bathycetopsis oliveirai* Lundberg & Rapp Py-Daniel, 1994. Type by original designation. Gender: Feminine.

Cetopsis amphiloza (Eigenmann, 1914)

Hemicetopsis amphiloza Eigenmann, in Eigenmann, Henn & Wilson, 1914: 14. Type locality: Creek near San Lorenzo, [Río] Patía basin, Colombia. Holotype: FMNH 56519; holotype illustrated in Eigenmann (1922b: 57, pl. 3, fig. 2) and Vari *et al.* (2005: 151, fig. 11).

Distribution: Patía, upper San Juan and Atrato River basins, Pacific versant, western Colombia, and rivers of north-western Ecuador (Vari *et al.*, 2005: 152).

Cetopsis arcana Vari, Ferraris & de Pinna, 2005

Cetopsis arcana Vari, Ferraris & de Pinna, 2005: 153, fig. 13. Type locality: Brazil. Goiás: São Domingos, Parque Estadual de Terra Ronca, Boca da Lapa de Bezerra (13°32'43"S, 46°22'35"W). Holotype: MZUSP 58637.

Distribution: Middle and upper Tocantins River basin (Vari *et al.*, 2005:155).

Cetopsis baudoensis (Dahl, 1960)

Pseudocetopsis baudoensis Dahl, 1960a: 452, figured on p. 453. Type locality: Quitasol, Baudó, western Colombia. Holotype: ICNMHN 118.

Distribution: Baudó River basin, Pacific versant, Colombia (Vari *et al.*, 2005:157).

Cetopsis caiapo Vari, Ferraris & de Pinna, 2005

Cetopsis caiapo Vari, Ferraris & de Pinna, 2005: 157, fig. 15. Type locality: Brazil: Goiás: Município de Minaçu/Cavalcante, Rio Tocantins, at location of the future dam of the Usina Hidroelétrica Serra da Mesa (13°50'S, 48°19'W). Holotype: MNRJ 13236.

Distribution: Tocantins River basin, Brazil (Vari *et al.*, 2005:159).

Cetopsis candiru Spix & Agassiz, 1829

Cetopsis candiru Spix & Agassiz, 1829: 13, pl. 10 (fig. 1). Type locality: Brasiliae aequatoralis fluviis. Lectotype: MHNG 210.05, designated by Vari *et al.* (2005: 160); MNHG syntype illustrated in Mahner (1985: 12, fig. 4). Name first appeared in Cuvier (1829) as a *nomen nudum*.

Cetopsis Spixii Swainson, 1839: 308. Type locality: Brasiliae aequatoralis fluviis. Syntypes: MHNG 210.05 (1), MHNN 735–7 (3). Unneeded new name for *Cetopsis candiru* Spix & Agassiz, 1829.

Distribution: Amazon River basin (Vari *et al.*, 2005: 160).

Cetopsis coecutiens (Lichtenstein, 1819)

Silurus coecutiens Lichtenstein, 1819: 61. Type locality: Brasilien. Holotype: ZMB 3093, apparently no longer extant (Vari *et al.*, 2005: 164).

Silurus caecutiens Günther, 1864: 199. Type locality: Brazil. Holotype: ZMB 3093, apparently no longer extant (Vari

et al., 2005: 164). Unjustified emendation of *Silurus coecutiens* Lichtenstein, 1819.

Distribution: Amazon, Tocantins and Orinoco River basins (Vari *et al.*, 2005: 164).

Cetopsis fimbriata Vari, Ferraris & de Pinna, 2005

Cetopsis fimbriata Vari, Ferraris & de Pinna, 2005: 165, fig. 20. Type locality: Colombia. Choco: Creek of upper Río Nercua (approximately 7°01'N, 77°30'W), large tributary of Río Truando. Holotype: USNM 305348.

Distribution: Nercua River, a tributary of the Truando River which flows into the Atrato basin of the Caribbean Sea versant of northwestern Colombia (Vari *et al.*, 2005: 167).

Cetopsis gobioides Kner, 1857

Cetopsis gobioides Kner, 1857: 407, pl. 6 (fig. 16). Type locality: Irisanga [Brazil]. Syntypes: NMW 47378 (2).

Cetopsis chalmersi Norman, 1926a: 116. Type locality: Rio das Velhas about 32 miles north of Bello (=Belo) Horizonte, Brazil. Lectotype: BMNH 1925.10.1.4, designated by Vari *et al.* (2005: 171).

Distribution: Upper São Francisco, Paraná and Uruguay River basins and Juquiá River of coastal Brazil (Vari *et al.*, 2005: 170).

Remarks: *Silurus pygmaeus* Natterer is an unavailable manuscript name published in the account of *Cetopsis gobioides* Kner (1857).

Cetopsis jurubidae (Fowler, 1944)

Pseudocetopsis jurubidae Fowler, 1944b: 235, figs. 7–9. Type locality: Clear waters of Rio Jurubidá, Nuquí [northwestern Colombia]. Holotype: ANSP 71430. Holotype illustrated in Vari *et al.* (2005: 173, figs. 23–24).

Distribution: Jurubidá River basin, Pacific versant, Colombia (Vari *et al.*, 2005: 174).

Cetopsis montana Vari, Ferraris & de Pinna, 2005

Cetopsis montana Vari, Ferraris & de Pinna, 2005: 174, fig. 26. Type locality: Peru. Amazonas: 100 m upriver from Caterpiza (approximately 3°55'S, 77°42'W). Holotype: LACM 41989-1.

Distribution: Amazon River basin of northeastern Peru and southeastern Ecuador (Vari *et al.*, 2005: 150).

Cetopsis motatanensis (Schultz, 1944)

Pseudocetopsis plumbeus motatanensis Schultz, 1944c: 255, pl. 5 (fig. b). Type locality: Río Motatán, 4 km. above Motatán, Venezuela. Holotype: USNM 121265.

Distribution: Lake Maracaibo basin of Venezuela and Colombia (Vari *et al.*, 2005: 178).

Cetopsis oliveirai (Lundberg & Rapp Py-Daniel, 1994)

Bathycetopsis oliveirai Lundberg & Rapp Py-Daniel, 1994: 383, figs. 1, 3–4. Type locality: Brazil, Amazonas State, Rio Solimões north of Ilha da Marchantaria, approximately 15 km upstream of the mouth of Rio Negro at Manaus, approximately 15 m depth, 3°15'S, 60°00'W. Holotype: INPA 4439.

Distribution: Middle and upper Amazon River basin, Brazil and Peru (Vari *et al.*, 2005: 180).

Cetopsis orinoco (Schultz, 1944)

Pseudocetopsis plumbeus orinoco Schultz, 1944c: 253, pl. 5 (fig. a). Type locality: Río Torbes, 1 km. above Táriba, Orinoco system, Venezuela. Holotype: USNM 121263.

Distribution: Orinoco River basin and Aroa and Yaracuy river basins of coastal Venezuela (Vari *et al.*, 2005: 183).

Cetopsis othonops (Eigenmann, 1912)

Hemicetopsis othonops Eigenmann, 1912a: 17. Type locality: Girardot, Colombia. Holotype: FMNH 56040; holotype illustrated in Eigenmann (1922b: 56, pl. 3, fig. 1).

Distribution: Magdalena and Sinu River basins (Vari *et al.*, 2005); also Cauca, San Jorge, Apulo and Catatumbo basins, Colombia (Maldonado Campo *et al.*, 2005).

Cetopsis parma Oliviera, Vari & Ferraris, 2001

Cetopsis parma Oliviera, Vari & Ferraris, 2001: 575, fig. 1. Type locality: Peru. Departamento de Ucayali, Provincia Coronel Portillo. Río Tambo, Río Ucayali basin, Pucallpa, Atalaya (8°23'S, 74°32'W). Holotype: MUSM 2266; illustrated in Vari *et al.* (2005: 187, fig. 35).

Distribution: Upper Amazon River basin (Vari *et al.*, 2005: 188).

Cetopsis pearsoni Vari, Ferraris & de Pinna, 2005

Cetopsis pearsoni Vari, Ferraris & de Pinna, 2005: 189, fig. 36. Type locality: Peru. Puno: Provincia de Sandía, Río Candamo, Zona Reserva Tambopata (13°28.97'S, 69°50.08'W), 358 m elevation. Holotype: MUSM 11093.

Distribution: Upper Madeira River basin, Peru and Bolivia (Vari *et al.*, 2005: 190).

Cetopsis plumbea (Steindachner, 1882)

Cetopsis plumbeus Steindachner, 1882b: 178. Type locality: Canelos [Ecuador]. Lectotype: NMW 47381-1 (46 mm SL), designated by Vari *et al.* (2005: 194). Species illustrated and described in more detail in Steindachner (1882c: 31, pl. 6, fig. 3).

Cetopsis macroteronema Boulenger, 1898c: 8. Type locality: Rio Zamora, Equateur oriental. Syntypes: BMNH 1898.11.4.11 (1), ZMUT 1548 (1)

Distribution: Upper Amazon River basin, Ecuador and Peru (Vari *et al.*, 2005: 193).

Cetopsis sandrae Vari, Ferraris & de Pinna, 2005

Cetopsis sandrae Vari, Ferraris & de Pinna, 2005: 195, figs. 39–40. Type locality: Brazil. Mato Grosso: Nova Mutum, unnamed Corrego, Fazenda Buriti, approximately 1.5 km S of Fazenda (13°51'52"S, 56°11'36"W). Holotype: MZUSP 61091.

Distribution: Arinos River, upper Tapajós River basin, Brazil (Vari *et al.*, 2005: 150).

Cetopsis sarcodes Vari, Ferraris & de Pinna, 2005

Cetopsis sarcodes Vari, Ferraris & de Pinna, 2005: 197, fig. 42. Type locality: Brazil. Goiás: Município de Minaçu/Cavalcante, Rio Tocantins between site of future dam of Usina Hidroelétrica Cana Brava and Ilha do Orgulho and Porto do Garimpo. Holotype: MNRJ 13024.

Distribution: Tocantins River basin, Brazil (Vari *et al.*, 2005:199).

Cetopsis starnesi Vari, Ferraris & de Pinna, 2005

Cetopsis starnesi Vari, Ferraris & de Pinna, 2005: 199, fig. 43. Type locality: Bolivia. Tarija: Argentinian-Bolivian border, Río Bermejo, 4–5 km S of Pueblo Salado, approximately 30 air km S of Bermejo (22°27'S, 64°32'W). Holotype: USNM 314309.

Distribution: Northwestern part of La Plata River basin and upper Madeira River basin, Bolivia (Vari *et al.*, 2005: 201).

Cetopsis umbrosa Vari, Ferraris & de Pinna, 2005

Cetopsis umbrosa Vari, Ferraris & de Pinna, 2005: 201, fig. 44. Type locality: Colombia. Meta: Río Negro, downstream from main Villavicencio to Puerto Lopez highway at La Balsa (04°04'N, 73°04'W). Holotype: ANSP 137559.

Distribution: Orinoco River basin, Colombia (Vari *et al.*, 2005: 203).

DENTICETOPSIS Ferraris, 1996

Denticetopsis Ferraris, 1996: 162. Type species: *Denticetopsis sauli* Ferraris, 1996. Type by original designation. Gender: Feminine.

Denticetopsis epa Vari, Ferraris & de Pinna, 2005

Denticetopsis epa Vari, Ferraris & de Pinna, 2005: 206, fig. 45. Type locality: Brazil. Pará: Igarapé do Limão, Rio Tocantins, Baião (2°41'S, 49°41'W). Holotype: MZUSP 24060.

Distribution: Lower Tocantins River basin, Brazil (Vari *et al.*, 2005: 208).

Denticetopsis iwokrama Vari, Ferraris & de Pinna, 2005

Denticetopsis iwokrama Vari, Ferraris & de Pinna, 2005: 208, fig. 47. Type locality: Guyana. Essequibo: Siparuni River at Tumble Down Creek, Essequibo River basin (4°48'39"N, 58°51'11"W). Holotype: ANSP 177215.

Distribution: Siparuni River basin, Guyana (Vari *et al.*, 2005: 210).

Denticetopsis macilenta (Eigenmann, 1912)

Hemicetopsis macilentus Eigenmann, 1912b: 211, pl. 23 (fig. 1). Type locality: Creek below Potaro Landing, British Guiana. Holotype: FMNH 53260; illustrated in Vari *et al.* (2005: 211, figs. 48–49).

Distribution: Potaro River, Essequibo River basin, Guyana (Vari *et al.*, 2005: 212).

Denticetopsis praecox (Ferraris & Brown, 1991)

Pseudocetopsis praecox Ferraris & Brown, 1991: 162, fig. 1. Type locality: Neblina base camp, Río Mawarinuma of the Río Baria drainage, Territorio Federal Amazonas, southern Venezuela, 0°55'N, 66°10'W, elevation 120 m. Holotype: AMNH 74446.

Distribution: Baria River, Upper Negro River basin, Venezuela (Vari *et al.*, 2005: 215).

Denticetopsis royeri Ferraris, 1996

Denticetopsis royeri Ferraris, 1996: 167, figs. 4, 12. Type locality: Venezuela: Estado Amazonas, Caño Chola at crossing of San Carlos de Río Negro to Solano Road, 1°58'N, 67°00'W. Holotype: MBUCV V-26785, illustrated in Vari *et al.* (2005: 216, fig. 51).

Distribution: Upper Negro River basin, Venezuela; known only from holotype (Vari *et al.*, 2005: 216).

***Denticetopsis sauli* Ferraris, 1996**

Denticetopsis sauli Ferraris, 1996: 164, figs. 3, 11. Type locality: Venezuela, Estado Amazonas, Outflow stream from series of morichales, ca. 5.0 km from mouth of Río Pamoni, 2°48'N, 65°53'W. Holotype: MBUCV V-20300.

Distribution: Around mouth of Pamoni River, Venezuela; known only from type series (Vari *et al.*, 2005: 218).

***Denticetopsis seducta* Vari, Ferraris & de Pinna, 2005**

Denticetopsis seducta Vari, Ferraris & de Pinna, 2005: 218, fig. 53. Type locality: Peru. Loreto: Caño "Sabalito," small creek on terra firma approximately 25 mi (=km) S of Iquitos (4°14'45"S, 73°24'57"W). Holotype: ANSP 178466.

Distribution: Western Amazon River basin, and possibly southwestern Orinoco River basin (Vari *et al.*, 2005: 221).

HELOGENES Günther, 1863

Helogenes Günther, 1863: 443. Type species: *Helogenes marmoratus* Günther, 1863. Type by monotypy. Gender: Masculine.

Leyvaichthys Dahl, 1960b: 302. Type species: *Leyvaichthys castaneus* Dahl, 1960. Type by original designation. Gender: Masculine. Spelled *Leyvaichthys* in one place, precedence established by first-reviser action of Eschmeyer & Bailey (in Eschmeyer, 1990: 221).

Revision: Vari & Ortega (1986).

***Helogenes castaneus* (Dahl, 1960)**

Leyvaichthys castaneus Dahl, 1960b: 303. Type locality: Small pond in a brook tributary to the Guayabero River, approx. one kilometer from the mouth of the brook, and 1500 meters from the expedition Camp N° 1, situated on the left bank of the Guayabero about 4 kilometers from Camp Thompson, Colombia. Holotype: Whereabouts unknown.

Distribution: Upper Orinoco, Guaviare and Meta River basins, Colombia (Vari & Ferraris, 2003).

***Helogenes gouldingi* Vari & Ortega, 1986**

Helogenes gouldingi Vari & Ortega, 1986: 7, fig. 3. Type locality: Brazil. Amazonas: Igarapé, 15 km from Humaitá along Rio Madeira (7°31'S, 63°02'W). Holotype: MZUSP 28854.

Distribution: Madeira River basin, Brazil (Vari & Ferraris, 2003).

***Helogenes marmoratus* Günther, 1863**

Helogenes marmoratus Günther, 1863: 443. Type locality: Essequibo River, Guiana. Lectotype: BMNH 1864.1.21.83, designated by Vari & Ortega (1986: 16).

Helogenes amazonae Delsman, 1941: 80. Type locality: Manaus [=Manaus, Amazonas, Brazil]. Holotype: IRSNB 545.

Helogenes unidorsalis Glodek & Carter, 1978: 77, fig. 1. Type locality: Eastern Ecuador, Rio Bobonaza between Sarayacu and Montalvo. Holotype: FMNH 80463.

Distribution: Atlantic drainages of Guianas, upper Orinoco and Negro systems and upper Amazon River basin (Vari & Ferraris, 2003).

***Helogenes uruyensis* Fernández-Yépez, 1967**

Helogenes marmoratus uruyensis Fernández-Yépez, 1967: 166, pls. 2, 3 (fig. 2). Type locality: Río Uruyén, Venezuela. Holotype: AFY 56613 (whereabouts unknown).

Distribution: Uruyén River basin, Venezuela (Vari & Ferraris, 2003).

PARACETOPSIS Bleeker, 1862

Paracetopsis Bleeker, 1862 (in Bleeker, 1862–63): 16. Type species: *Paracetopsis bleekeri* Bleeker, 1862. Type by original designation. Gender: Feminine.

Paracetopsis Eigenmann & Bean, 1907: 615. Type species: *Cetopsis occidentalis* Steindachner, 1880. Type by orig-

inal designation. Gender: Feminine. Preoccupied by *Paracetopsis* Bleeker, 1862.

Cetopsogiton Eigenmann & Bean, in Eigenmann, 1910: 398. Type species: *Cetopsis occidentalis* Steindachner, 1880. Type by being a replacement name. Gender: Masculine. Replacement for *Paracetopsis* Eigenmann & Bean, 1907, preoccupied by *Paracetopsis* Bleeker, 1862.

Paracetopsis atahualpa Vari, Ferraris & de Pinna, 2005

Paracetopsis atahualpa Vari, Ferraris & de Pinna, 2005: 223, fig. 54. Type locality: Peru. Tumbes: Río Tumbes, Cabo Inga (3°58'00"S, 80°24'59"W). Holotype: MUSM 11560.

Distribution: Tumbes River basin, northwestern Peru and upper Zarumilla River basin, southwestern Ecuador (Vari *et al.*, 2005: 224).

Paracetopsis bleekeri Bleeker, 1862

Paracetopsis bleekeri Bleeker, 1862 (in Bleeker, 1862–63): 16. Type locality: Not stated. Neotype: NMW 47377, designated by Vari *et al.* (2005: 227).

Cetopsis ventralis Gill, 1870: 95. Type locality: Marañon or upper Amazon, and Napo Rivers [in error, actually rivers of southwestern Ecuador]. Holotype: USNM 8307.

Cetopsis occidentalis Steindachner, 1880b: 99, pl. 8 (figs. 2, 2a). Type locality: Guayaquil [Ecuador]. Holotype: NMW 47377.

Distribution: Guayas and Santa Rosa river basins, Pacific Ocean versant of southwestern Ecuador (Vari *et al.*, 2005: 227).

Paracetopsis esmeraldas Vari, Ferraris & de Pinna, 2005

Paracetopsis esmeraldas Vari, Ferraris & de Pinna, 2005: 228, fig. 57. Type locality: Ecuador. Esmeraldas: Río Blanco, 4 km above junction with Río Quininde (0°20'N, 79°28'W; Río Esmeraldas basin). Holotype: MCZ 48768.

Distribution: Pacific Ocean versant rivers of northwestern Ecuador (Vari *et al.*, 2005: 230).

CHACIDAE Bleeker, 1858

Chacini Bleeker, 1858b: 49, 310, 322. Type genus: *Chaca* Gray, 1831.

Revision: Roberts (1982a).

Identification guide: Jayaram & Majumdar (1964), Jayaram (1980), South Asia.

Phylogeny: Brown & Ferraris (1988).

1 genus, 3 species; no named fossil taxa.

CHACA Gray, 1831

Chaca Gray, 1831: 9. Type species: *Chaca hamiltonii* Gray, 1831. Type by monotypy. Gender: Feminine.

Chaca Cuvier & Valenciennes, in Valenciennes, 1832b: 386. Type species: *Chaca lophioides* Cuvier & Valenciennes, 1832. Type by monotypy. Gender: Feminine. Preoccupied by *Chaca* Gray, 1831.

Brachystacus Van der Hoeven, 1849: 280. Type species: *Platystacus chaca* Hamilton, 1822. Type by monotypy. Gender: Masculine.

Chaca bankanensis Bleeker, 1852

Chaca bankanensis Bleeker, 1852c: 455. Type locality: Banka, in fluviis. Holotype (68 mm TL): RMNH 5405.

Chaca bankae Giebel, 1857: 325. Type locality: Bangka. Either an emendation of, or misspelling for, *Chaca bankanensis* Bleeker, 1852.

Distribution: Southern Malay Peninsula, Sumatra and Borneo (Roberts, 1982a).

Remarks: BMNH 1863.12.4.117 (113 mm SL, 131 mm TL), is listed as a type of *Chaca bankanensis*, but is too large to be the holotype.

Chaca burmensis Brown & Ferraris, 1988

Chaca burmensis Brown & Ferraris, 1988: 3, fig. 1. Type locality: Sittang River, Burma. Holotype: BMNH 1891.11.30.144.

Distribution: Lower Irrawaddy and Sittang River basins, Myanmar.

Chaca chaca (Hamilton, 1822)

Platystacus chaca Hamilton, 1822: 140, 374, pl. 28 (fig. 43). Type locality: rivers and ponds of the northeastern parts of Bengal. No types known.

Chaca hamiltonii Gray, 1831: 9. Type locality: rivers and ponds of the northeastern parts of Bengal. New name for *Platystacus chaca* Hamilton, 1822, to avoid tautonymy.

Chaca lophioides Cuvier & Valenciennes, in Valenciennes, 1832b: 386, pl. 4 (fig. 2). Type locality: Bengal. New name for *Platystacus chaca* Hamilton, 1822, to avoid tautonymy. Also described in Cuvier & Valenciennes (1840b: 445 [p. 330 in Strasbourg deluxe edition], pl. 451).

Chaca buchmanii Günther, 1864: 29. Type locality: Ganges. No types known. New name for *Platystacus chaca* Hamilton, 1822, to avoid tautonymy.

Distribution: Ganges-Brahmaputra River system, India and Bangladesh (Roberts, 1982a).

CLARIIDAE Bonaparte, 1846

Clariini Bonaparte, 1846: 5. Type genus: *Clarias* Scopoli, 1777.

Heterobranchioidei Bleeker, 1858b: 33, 37, 41, 333. Type genus: *Heterobranchus* Geoffroy St. Hilaire, 1809.

Heteropneustidae Hora, 1936a: 209. Type genus: *Heteropneustes* Müller, 1840.

Taxonomic summary: Teugels (1986b, Africa).

Review: Jackson (1959, Nyasaland); Skelton & Teugels (1991, southern Africa); Teugels (1992a, west Africa).

Key to genera: Poll & Gosse (1994, Africa).

Identification guide: Jayaram (1980, South Asia).

Phylogeny: Teugels & Adrians (2003); Diogo *et al.* (2003a), Agnès & Teugels (2005, African species); Jansen *et al.* (2005, anguilliform species).

16 genera, 113 species; including 2 fossil species.

BATHYCLARIAS Jackson, 1959

Bathyclarias Jackson, 1959: 112. Type species: *Clarias longibarbis* Worthington, 1933. Type by original designation. Gender: Masculine.

Remarks: Removed from the synonymy of *Dinotopus* by Anseume & Teugels (1999).

Species flock evolution: Agnès & Teugels (2001a).

Bathyclarias euryodon Jackson, 1959

Bathyclarias euryodon Jackson, 1959: 120, fig. 4. Type locality: Nkata Bay, Lake Nyasa. Holotype: BMNH 1960.2.29.13.

Distribution: Lake Malawi (Teugels, 1986b, as *Dinotopus euryodon*).

Bathyclarias ilesi Jackson, 1959

Bathyclarias ilesi Jackson, 1959: 116, fig. 2. Type locality: Nkata Bay, Lake Nyasa. Holotype: BMNH 1960.2.29.8.

Distribution: Lake Malawi (Teugels, 1986b, as *Dinotopus ilesi*).

Bathyclarias longibarbis (Worthington, 1933)

Clarias longibarbis Worthington, 1933b: 309, fig. 10. Type locality: Lake Nyasa. Holotype: BMNH 1932.11.15.592.

Distribution: Lake Malawi (Teugels, 1986b, as *Dinotopus longibarbis*).

Bathyclarias rotundifrons Jackson, 1959

Bathyclarias rotundifrons Jackson, 1959: 118, fig. 3. Type locality: Lake Nyasa. Holotype: BMNH 1960.2.29.11.

Distribution: Lake Malawi (Teugels, 1986b, as *Dinotopus rotundifrons*).

Bathyclarias worthingtoni Jackson, 1959

Bathyclarias worthingtoni Jackson, 1959: 123, fig. 6. Type locality: [Nkata Bay] Lake Nyasa. Holotype: BMNH 1960.2.29.18.

Distribution: Lake Malawi (Teugels, 1986b, as *Dinotopus worthingtoni*).

CHANNALLABES Günther, 1873

Channallabes Günther, 1873a: 143. Type species: *Gymnallabes apus* Günther, 1873. Type by monotypy. Gender: Feminine. Originally proposed as a subgenus of *Gymnallabes*.

Channallabes apus (Günther, 1873)

Gymnallabes apus Günther, 1873a: 142. Type locality: Interior of Ambriz, Angola. Holotype: BMNH 1873.7.28.16. Distribution: Congo River basin (Teugels, 1986b).

CLARIALLABES Boulenger, 1900

Clariallabes Boulenger, 1900a: 136. Type species: *Clarias melas* Boulenger, 1887. Type by original designation. Gender: Feminine.

Allabenchelys Boulenger, 1902e: 234. Type species: *Allabenchelys longicauda* Boulenger, 1902. Type by monotypy. Gender: Feminine.

Clariallabes attemsi (Holly, 1927)

Allabenchelys attemsi Holly, 1927b: 202, fig. 2. Type locality: Kamerun. Holotype: NMW 7897.

Distribution: Cameroon, known only from an indefinite type locality (Teugels, 1986b).

Clariallabes brevibarbis Pellegrin, 1913

Clariallabes brevibarbis Pellegrin, 1913b: 272. Type locality: Ngomo (Ogôoué). Holotype: MNHN 1913-0265.

Distribution: Ogowe River, Gabon (Teugels, 1986b).

Clariallabes centralis (Poll & Lambert, 1958)

Clarias centralis Poll & Lambert, 1958: 334, figure on p. 335. Type locality: Kunungu (Congo). Holotype: MRAC 29659.

Distribution: Central Congo River system (Teugels, 1986b).

Clariallabes heterocephalus Poll, 1967

Clariallabes heterocephalus Poll, 1967: 233, fig. 108. Type locality: Poste de Cuílo, Xá-Ua, riv. Luíta, (8°02'S, 19°25'E), Angola. Holotype: MRAC 162082.

Distribution: Luita River, Angola (Teugels, 1986b).

Clariallabes laticeps (Steindachner, 1911)

Allabenchelys laticeps Steindachner, 1911d: 532. Type locality: Mawambi, Ituri-Flüss. Syntypes (9): NMW 7649 (1), NMW 47988 (1), NMW 47989 (1), NMW 479890 (1), NMW 47991 (1).

Distribution: Ituri River, Aruwimi Basin, Congo River system; known only from type locality (Teugels, 1986b).

Clariallabes longicauda (Boulenger, 1902)

Allabenchelys longicauda Boulenger, 1902e: 234, pl. 22 (figs. 1–1a). Type locality: Ja River, flowing into the Sanga, an affluent of the right bank of the Congo, French Congo, 250 miles from the coast. Holotype: BMNH 1902.11.12.129.

Allabenchelys brevior Boulenger, 1903c: 439. Type locality: Ja River, southern Cameroon. Syntypes (2): BMNH 1903.7.28.194–195 (2).

Distribution: Central Congo River system (Teugels, 1986b).

Clariallabes manyangae (Boulenger, 1919)

Allabenchelys manyangae Boulenger, 1919: 159. Type locality: Kinkenda (Manyanga), région des Cataractes du Bas-Congo. Syntypes (3): BMNH 1919.8.28.12 (1), MRAC 1327 (1), MRAC 1329 (1).

Distribution: Manyanga, Kinkenda; known only from type locality (Teugels, 1986b).

Clariallabes melas (Boulenger, 1887)

Clarias melas Boulenger, 1887a: 148. Type locality: Lower Congo. Holotype: BMNH 1887.1.13.6. Illustrated in Boulenger (1902e: pl. 22, fig. 2), possibly based on the holotype.

Clariallabes melas lembesseensis Fowler, 1949: 259, figs. 48–52. Type locality: Oka, Congo system. Holotype: ANSP 71906.

Distribution: Congo River system (Teugels, 1986b).

Clariallabes mutsindoziensis Taverne & De Vos, 1998

Clariallabes mutsindoziensis Taverne & De Vos, 1998: 212, figs. 1–3. Type locality: Rivière Mutsindozi près de son embouchure dans la Malagarasi à proximité de Gihofi, Burundi, 4°02'–4°04'S, 30°09'–30°11'E. Holotype:

MRAC 96-31-P-53.

Distribution: Mutsindozi River, Lake Tanganyika basin, Burundi (Taverne & De Vos, 1998).

Clariallabes petricola Greenwood, 1956

Clariallabes petricola Greenwood, 1956: 556, fig. 1. Type locality: Nile, about half a mile below the Owen-falls dam, Jinja, Uganda. Holotype: BMNH 1956.10.9.204.

Distribution: Lake Victoria and the Victoria Nile, near the Owen-falls dam (Teugels, 1986b).

Clariallabes pietschmanni (Güntert, 1938)

Allabenchelys pietschmanni Güntert, 1938: 299. Type locality: Aus dem Njong [Cameroon]. Syntypes (26): NMW 46063, ? NMW 47933 (1). Also appeared in Güntert (1939: 25).

Distribution: Nyong River; known only from type locality (Teugels, 1986b).

Clariallabes platyprosopos Jubb, 1965

Clariallabes platyprosopos Jubb, 1965: 393, fig. 1. Type locality: Upper Zambezi River, about 15 miles above the Victoria Falls, Rhodesia. Holotype: AMG P1050.

Distribution: Upper Zambezi River (Teugels, 1986b).

Clariallabes simeonsi Poll, 1941

Clariallabes simeonsi Poll, 1941a: 4, figs. 2, 5. Type locality: Uélé, rivières Mosongolia, Mekokpa, et Matanga [Precise locality of holotype not stated], Congo belge. Holotype: IRSNB 61.

Distribution: Uélé River, Congo River basin (Teugels, 1986b).

Clariallabes teugelsi *nomen novum*

Clarias (*Allabenchelys*) *dumerili longibarbis* David & Poll, 1937: 232, fig. 21. Type locality: Léopoldville, Congo Belge. Syntypes: MRAC 44011–013 (3). Preoccupied by *Clarias longibarbis* Worthington, 1933.

Distribution: central Congo River basin (Teugels, 1986b).

Remarks: The name *Clarias* (*Allabenchelys*) *dumerili longibarbis* David & Poll is a junior primary homonym of *Clarias longibarbis* Worthington and, as such, was permanently invalid upon publication. The species was treated as valid, as *Clariallabes dumerili* David & Poll, 1937, by Teugels (1986b: 67). However, *Clariallabes dumerili* was not proposed as an available name in David & Poll and it also was not made available by action of Teugels. Teugels (1986b) lists no available synonyms for this name, so the name *Clariallabes teugelsi* is proposed here as a replacement for *Clarias* (*Allabenchelys*) *dumerili longibarbis* to provide a valid name for this species.

Clariallabes uelensis (Poll, 1941)

Clarias (*Allabenchelys*) *uelensis* Poll, 1941a: 14, fig. 6. Type locality: rivières Mosongolia, Mekokpa, et Matanga, région Ibembo, Uélé [precise locality of holotype not stated.]. Holotype: IRSNB 63.

Distribution: Mosongolia, Mekokpa or Matanga Rivers, known only from types (Teugels, 1986b).

Clariallabes variabilis Pellegrin, 1926

Clariallabes variabilis Pellegrin, 1926: 201. Type locality: Dumbi ..., Kabambaie ..., Belenge ..., Tshimbu ..., Kamaiembi; Congo Belge. Syntypes (13): MNHN 1926-0151(1), MNHN 1926-0152 (1), MNHN 1926-0153 (1), MNHN 1926-0154 (1), MRAC 19689 (1), MRAC 19690 (1), MRAC 19692 (1), MRAC 19694 (1), MRAC 19696 (1), MRAC 19702 (1), MRAC 19712 (1), MRAC 19713 (1), MRAC 19714 (1).

Distribution: Congo River system (Teugels, 1986b).

CLARIAS Scopoli, 1777

Chlarias Scopoli, 1777: 455. Type species: *Silurus anguillaris* Linnaeus 1758. Type by subsequent designation by Teugels & Roberts (1987). Gender: Masculine. First published without any included species; names apparently first added by Cuvier, 1816, but spelled *Clarias* therein. Scopoli based his name on *Clarias* Gronovius, a name published in a work that was rejected as non binomial (ICZN, opinion 261), but with an unexplained change in spelling. Spelling in Scopoli not followed in recent literature and not used here.

Macropteronotus La Cepède, 1803: 84. Type species: *Macropteronotus charmuth* La Cepède, 1803. Type by subsequent designation, apparently by Jordan (1917). Gender: Masculine.

Clarias Cuvier, 1816: 206. Type species not clearly established and may not have been proposed inasmuch as the name has been generally attributed to Scopoli or Gronovius. Proposed originally with two species. Gender:

Masculine.

Cossyphus M'Clelland, 1844a: 403. Type species: *Cossyphus ater* M'Clelland, 1844. Type by monotypy. Gender: Masculine. Preoccupied several times, first by *Cossyphus* Olivier, 1791, in Insecta; replaced by *Phagorus* M'Clelland, 1844.

Phagorus M'Clelland, 1844b: 225 [errata]. Type species: *Cossyphus ater* M'Clelland, 1844. Type by being a replacement name. Gender: Masculine. Replacement for *Cossyphus* M'Clelland, 1844; preoccupied by *Cossyphus* Olivier, 1791.

Dinotopteroides Fowler, 1930: 41. Type species: *Dinotopteroides prentissgrayi* Fowler, 1930. Type by original designation. Gender: Masculine.

Prophagorus Smith, 1939: 236. Type species: *Clarias nieuhofii* Valenciennes, 1840. Type by original designation. Gender: Masculine.

Anguilloclarias Teugels, 1982a: 13. Type species: *Clarias theodorae* Weber, 1897. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Clarias*.

Brevicephaloides Teugels, 1982a: 14. Type species: *Clarias camerunensis* Lönnberg, 1895. Type by original designation. Gender: Masculine. Also appeared in Teugels (1982b: 739). Originally proposed as a subgenus of *Clarias*.

Clarioides Teugels, 1982a: 12. Type species: *Clarias angolensis* Steindachner, 1866. Type by original designation. Gender: Masculine.

Platycephaloides Teugels, 1982a: 11. Type species: *Clarias platycephalus* Boulenger, 1902. Type by original designation. Gender: Masculine. Originally as a subgenus of *Clarias*. Also appeared in Teugels (1982b: 736).

Remarks: *Clarioides* was first proposed as subgenus of *Clarias* in David & Poll (1937: 231) but without a type species and, therefore, cannot be treated as available from that publication [ICZN Art. 13.3]. *Heterobranchoides* was first proposed as a subgenus of *Clarias* by David (1935: 82, 99), but was not assigned a type species and the name is, therefore, not available from that publication. The name appears again in David & Poll (1937: 230), but as a synonym of *Clarias* and not as a valid name. It is, therefore, also not available from that reference. See Teugels (1983) for comments on the validity of *Dinotopteroides* as a natural subgroup of *Clarias*.

Review: Deboche *et al.* (1979), Teugels (1982c, 1986a, African species).

***Clarias agboyiensis* Sydenham, 1980**

Clarias (Clarioides) agboyiensis Sydenham, 1980: 660, figs. 1–2. Type locality: Agboyi Creek, a ditributary of the Ogun, Lagos State, south-west Nigeria, 6°36'N, 5°24'E. Holotype: BMNH 1959.8.18.66.

Clarias (Clarioides) isheriensis Sydenham, 1980: 663, figs. 3–4. Type locality: Energo Project site, Lagos-Badagry expressway, Lagos State, Nigeria, 6°29'N, 3°15'E. Holotype: BMNH 1976.3.17.3.

Distribution: West Africa, from Ghana to Nigeria (Teugels, 1986b).

***Clarias albopunctatus* Nichols & La Monte, 1953**

Clarias albopunctatus Nichols & La Monte, 1953: 1, fig. 1. Type locality: Kotto River, about 225 miles north of Bangassou, eastern French Equatorial Africa. Holotype: AMNH 19840; holotype illustrated by Teugels (1986a: 94, fig. 49).

Distribution: Lake Chad, Benue River and central Congo River (Teugels, 1986b).

***Clarias alluaudi* Boulenger, 1906**

Clarias Alluaudi Boulenger, 1906b: 437. Type locality: Entebbe and Bunuako; [and] Kavirondo Bay, Lake Victoria [restricted to Bunuako by lectotype designation]. Lectotype: BMNH 1906.5.30.159, designated by Teugels (1986a: 120); lectotype illustrated by Seegers (1996: fig. 144).

Clarias hilgendorfi Boulenger, 1911c: 54. Type locality: Lake Rukwa. Holotype: BMNH 1911.3.27.41; illustrated in Seegers (1996: fig. 146).

Distribution: Lakes Victoria, Kyoga, Edward, Rukwa and Tanganyika (Teugels, 1986b).

***Clarias anfractus* Ng, 1999**

Clarias anfractus Ng, 1999d: 18, figs. 1a, 2a, 3a, 4a. Type locality: Borneo: Sabah, Danum, forest stream 600 m into conservation area, tributary of Sungai Segama. Holotype: ZRC 42598.

Distribution: Segama and Kalabakan River drainages, northeastern Borneo (Ng, 1999d).

***Clarias angolensis* Steindachner, 1866**

Clarias angolensis Steindachner, 1866: 766, pl. 13 (figs. 4, 7). Type locality: Angola. Holotype: NMW 46891; holotype illustrated in Teugels (1986a: 68, fig. 35).

Clarias brevinuchalis Lönnberg & Rendahl, 1922: 123, fig. 2. Type locality: Upper Congo. Holotype: NRM 9640.

Clarias confluentus Nichols & La Monte, 1933b: 3, fig. 3. Type locality: Luluabourg, Kasai District, Belgian Congo. Holotype: AMNH 12340.

Clarias (Clarioides) curtus Matthes, 1964: 102, pl. 4a. Type locality: Rivière Kululu (mare), Zaïre. Holotype: MRAC 138667.

Distribution: Lower and Central Congo River system (Teugels, 1986b).

Clarias anguillaris (Linnaeus, 1758)

Silurus anguillaris Linnaeus, 1758: 305. Type locality: Nile. Syntype: NRM LP 71.

Clarias Hasselquistii Valenciennes, in Cuvier & Valenciennes, 1840b: 362 (280 in Strasbourg deluxe edition), pl. 446. Type locality: Nil. Syntypes: MNHN b-0287 (1), MNHN b-0288 (2).

Clarias Senegalensis Valenciennes, in Cuvier & Valenciennes, 1840b: 376 (279 in the Strasbourg deluxe edition). Type locality: Sénégal. Syntypes: MNHN a-8667 (1, dry), MNHN a-9429 (1, dry).

Clarias parvimanus Günther, 1864: 15. Type locality: Nile. Holotype: BMNH 1859.7.29.21.

Clarias budgetti Boulenger, 1900e: 513. Type locality: River Gambia. Syntypes (3): BMNH 1901.7.17.4–6 (3).

Clarias anguillaris nigeriensis Pellegrin, 1923a: 213. Type locality: Branche nontante de la boucle du Niger entre Mopti et Niafunké. Holotype: MNHN 1922-0161 (skull).

Distribution: Niger, Benoue, Gambia, lower Senegal and lower and middle Nile Rivers; Chad system; coastal rivers of Benin, Togo, Ghana and Côte d'Ivoire; and relict populations in Mauritania and southern Algeria (Teugels, 1986b).

Remarks: Teugels & Roberts (1987: 95) list NRM LP 71 as the holotype of *Silurus anguillaris*, however, the original description of that species lists a range of meristic values that implies that more than one specimen contributed to the diagnosis. Thus, the specimen mentioned by Teugel & Roberts must be considered a syntype. See Benech *et al.* (1993) for characters that distinguish this species from *Clarias gariepinus*.

Clarias batrachus (Linnaeus, 1758)

Silurus batrachus Linnaeus, 1758: 305. Type locality: Africa, Asia. Syntypes: Whereabouts unknown [not NRM LP 71 as reported by Fernholm & Wheeler (1983: 219–220); see discussion in Teugels & Roberts (1987: 95)].

Macropteronotus jagur Hamilton, 1822: 145, 374. Type locality: in ponds and ditches [Ganges River]. No types known.

Macropteronotus magur Hamilton, 1822: 146, 374, pl. 26 (fig. 45). Type locality: in ponds and ditches [Ganges River]. No types known.

Plotosus (Clarias) hamiltonii Swainson, 1839: 307. Type locality: in ponds and ditches [Ganges River]. No types known. On “Ham. 146, pl. 26, f. 45” [= Hamilton (1822: 146, pl. 26, fig. 45)]. Unneeded new name for *Macropteronotus magur* Hamilton, 1822.

Clarias punctatus Valenciennes, in Cuvier & Valenciennes, 1840b: 384 (285 in the Strasbourg deluxe edition). Type locality: Java. Holotype (10 pouces): at MNHN, whereabouts unknown.

Distribution: Widely distributed in South and Southeast Asia.

Remarks: More than one species is included within what is currently called *Clarias batrachus*. A clarification of the situation requires both demarcation of species and replacement of the missing primary types of *Macropteronotus jagur* and *M. magur*.

Clarias batu Lim & Ng, 1999

Clarias batu Lim & Ng, 1999: 157, figs. 1, 2, 4a, 5a, 7. Type locality: Sungai Baharu, on right side of Tekek-Juara trail, towards Juara, Pulau Tioman, Pahang, Malaysia. Holotype: ZRC 40087.

Distribution: Peninsular Malaysia.

? ***Clarias brachysoma*** Günther, 1864

Clarias brachysoma Günther, 1864: 20. Type locality: Ceylon. Syntypes: BMNH 1859.5.31.6–8 (3).

Distribution: Sri Lanka.

Clarias buettikoferi Steindachner, 1894

Clarias bulumae Steindachner, 1894: 55. Type locality: Buluma, Liberia. Holotype: RMNH 3340. Originally as:

Clarias bulumae n. sp. ?

Clarias Büttikoferi Steindachner, 1894: 53. Type locality: Buluma, Liberia. Holotype: registered at RMNH, but apparently not returned by Steindachner (Teugels, 1986a: 88).

Clarias liberiensis Steindachner, 1894: 54, pl. 3 (fig. 2). Type locality: Buluma und aus dem Junk-flusse, Liberia [restricted to Junk-Flusse by lectotype designation]. Lectotype: RMNH 3342, designated by Sydenham (1978: 355); lectotype illustrated by Teugels (1986a: 47, fig. 47).

Clarias guineensis Osório, 1909: 104, pl. (fig. 3). Type locality: Guinée, Bolama, Postugo. Holotype: MB (destroyed).

Clarias dorsimarmoratus Ahl, 1937a: 239. Type locality: 40–50 km landeinwärts Freetown, Sierra Leone. Holotype: ZMB 20939.

Distribution: Comoe River, Côte d'Ivoire, to Guinea Bissau (Teugels, 1986b).

Remarks: Teugels (1986a: 88) appears to be the first to treat all three Steindachner names as synonyms and thus acted as first reviser in selecting *Clarias buettikoferi* as the valid name for the species.

***Clarias buthupogon* Sauvage, 1879**

Clarias buthupogon Sauvage, 1879: 96. Type locality: Doumé [Fleuve Ogooué]. Holotype: MNHN a-0896; holotype illustrated by Teugels (1986a: 80, fig. 44).

Clarias megapogon Sauvage, 1880c: 39. Type locality: Doumé [Fleuve Ogooué]. Holotype: MNHN a-0896. Either an emendation or *lapsus calami* for *Clarias buthupogon* Sauvage.

Clarias zygouron Nichols & Griscom, 1917: 704, fig. 18. Type locality: Malela, Congo. Holotype: AMNH 6698.

Clarias lindicus Boulenger, 1920a: 26, fig. 13. Type locality: Bafwasende sur la Lindi, Congo Belge. Holotype: MRAC 7112.

Clarias obscurus Poll, 1948: 22, figs. 8–9. Type locality: Pweto, Lac Moero. Holotype: IRSNB 86.

Chlarias angolensis macronema Fowler, 1949: 257, figs. 43–47. Type locality: Oka, 18 mi. north of Eovo, Congo system. Holotype: ANSP 71903.

Distribution: Coastal rivers, from Nigeria to the Congo River system (Teugels, 1986b).

***Clarias camerunensis* Lönnberg, 1895**

Clarias camerunensis Lönnberg, 1895: 182. Type locality: Cameroons. Lectotype: ZMUU 283 (88 mm TL, largest specimen); lectotype illustrated in, and designated by, Teugels (1986a: 154, fig. 85).

Clarias walkeri Günther, 1896a: 274, pl. 14 (fig. b). Type locality: Ogowe River. Holotype: BMNH 1896.5.5.54.

Clarias breviceps Boulenger, 1900a: 135, pl. 48 (fig. 6). Type locality: Marais Scala N'toto, Mayumbe. Syntypes: BMNH 1899.11.27.93 (1), MRAC 271 (1).

Clarias poensis Boulenger, 1908b: 1078, fig. 252. Type locality: Fernando Po. Holotype: BMNH 1904.7.23.49.

Clarias monkei Keilhack, 1910: 119. Type locality: in einem Kleinen Bache im Urwald 2 km südlich von Logobaba (4°2'N, 9°45'Ö), Kamerun. Syntypes (3): ZMB 17769 (3).

Clarias duchaillui Fowler, 1915a: 226, fig. 7. Type locality: Gaboon. Holotype: ANSP 8567 [but published as ANSP 8568].

Clarias nigeriae Popta, 1919: 4. Type locality: Wari, mouth of the Niger, West Africa. Holotype: RMNH 10332.

Clarias (Allabenchelys) submarginatus thysvillensis David & Poll, 1937: 231. Type locality: Grottes de Thysville, Congo Belge. Holotype: MRAC 37550.

Distribution: Coastal rivers of Togo to the lower and central Congo River system (Teugels, 1986b).

***Clarias cataractus* (Fowler, 1939)**

Phagorus cataractus Fowler, 1939: 54, figs. 1–3. Type locality: Waterfall at Trang, Siam. Holotype: ANSP 68462.

Distribution: Peninsular Thailand and, possibly, Cambodia (Rainboth, 1996).

***Clarias cavernicola* Trewavas, 1936**

Clarias cavernicola Trewavas, 1936, 70, pl. 2 (figs. 7–9). Type locality: Aigamas Cave, north of Otavi, South-West Africa. Lectotype: BMNH 1935.3.20.174, designated by Teugels (1986a: 134).

Distribution: Caves of south west Africa (Teugels, 1986b).

***Clarias dayi* Hora, 1936**

Clarias dayi Hora, 1936b: 350, figs. 3, 4c. Type locality: Wynaad [India]. Holotype: at ZSI [on "Day's Wynaad specimen"].

Distribution: Tamil Nadu, India (Manimekalan & Arunachalam (2002).

Remarks: Treated in current literature as valid or as a synonym of *Clarias dussumieri* Valenciennes, 1840.

Clarias dhonti (Boulenger, 1920)

Allabenchelys dhonti Boulenger, 1920c: 402, fig. 8. Type locality: Kabeke, a village 30 miles south of Tumbwe, on the Niemba River, near the west coast of Lake Tanganyika. Syntypes (10): BMNH 1919.7.24.20–27 (8), MNHN 1919-0467 (1), MRAC 6991 (1). One syntype (MRAC 6991) illustrated in Teugels (1986a: 176, fig. 91) but incorrectly listed therein as the holotype.

Distribution: Niemba River, Democratic Republic of the Congo (Teugels, 1986b).

Clarias dialonensis Daget, 1962

Clarias dialonensis Daget, 1962: 120, fig. 39; pl. 11 (fig. 26). Type locality: Bafing près Mamou (Fouta Dialon). Lectotype: MNHN 1959-0107; lectotype illustrated in, and designated by, Teugels (1986a: 145, fig. 81) as *Clarias laeviceps dialonensis*.

Distribution: Fouta Dialon, Guinea, and coastal rivers of Sierra Leone (Teugels, 1986b).

Remarks: Treated by Teugels (1986a: 145; 1986b: 88) as a subspecies of *Clarias laeviceps*.

Clarias dumerilii Steindachner, 1866

Clarias Dumerilii Steindachner, 1866: 766, pl. 14 (fig. 5). Type locality: Angola. Neotype: BMNH 1864.7.13.42, designated by Teugels (1986a: 148).

Clarias ngola Lönnberg & Rendahl, 1920: 170, fig. 1. Type locality: Kingoyi, Lower Congo. Holotype: NRM 9908.

Clarias lualae Lönnberg & Rendahl, 1922: 122, fig. 1. Type locality: Luala River, tributary of the Congo, near Kinkenge, Congo basin. Syntypes: NRM 39931 (2).

Distribution: central and upper Congo River system and the Luapula system (Teugels, 1986b).

Clarias dussumieri Valenciennes, 1840

Clarias Dussumieri Valenciennes, in Cuvier & Valenciennes, 1840b: 382 (283 in the Strasbourg deluxe edition).

Type locality: Malabar, ... Mahé, ... Pondicherry. Syntypes: MNHN b-0686 (3), MNHN b-0687 (1).

Distribution: South Asia.

Clarias ebriensis Pellegrin, 1920

Clarias ebriensis Pellegrin, 1920: 118. Type locality: Eau stagnante près Bingerville, Côte d'Ivoire. Lectotype: MNHN 1920-0037, designated by Teugels & Thys van den Audenaerde (1981: 18); lectotype illustrated by Teugels (1986a: 131, fig. 72).

Clarias dahomeyensis Güntert, 1938: 296. Type locality: Porto Novo, Dahomey. Syntypes: NMW 46922 (18), NMW 469223 (9).

Distribution: Coastal rivers and lagoons from Nigeria to Côte d'Ivoire (Teugels, 1986b).

Clarias engelseni (Johnsen, 1926)

Allabenchelys engelseni Johnsen, 1926: 8, figs. 2–3. Type locality: Aluma, Ramadalla and Yei, Sudan. Syntypes (15): BMNH 1925.12.30.11 (1), ZMUB 4131 a–b (2), ZMUB 4132 a–e (3 + 2 skeletons).

Distribution: Sudan (Teugels, 1986b).

† ***Clarias falconeri*** Lydekker, 1886

† *Clarias falconeri* Lydekker, 1886: 247, pl. 37, fig. 1. Type locality: Siwalik Hills, India. Lower Pliocene. Holotype: BMNH 16402b (middle part of skull).

Distribution: Siwalik Hills, India; Lower Pliocene.

Clarias fuscus (La Cepède, 1803)

Macropteronotus fuscus La Cepède, 1803: 84, 88, pl. 2 (fig. 2). Type locality: China. No types known; based on an unpublished painting.

Clarias pulicaris Richardson, 1845: 135, pl. 62 (figs. 5–6). Type locality: Canton, China. Holotype: BMNH 1968.3.11.21 (larger of two specimens).

Distribution: Ishigakijama, Japan; Taiwan, and south China (Masuda *et al.*, 1984); northeastern Laos, and northern Vietnam (Kottelat, 2001a).

Clarias gabonensis Günther, 1867

Clarias Gabonensis Günther, 1867b: 111. Type locality: River Ogowe, Gaboon. Holotype: BMNH 1867.5.22.3.

Clarias dolloi Boulenger, 1896a: 311. Type locality: Monsembe, upper Congo. Syntypes: BMNH 1896.3.9.18–20

(3).

Clarias congicus Poll, 1942a: 6, figs. 2–3. Type locality: Lac Tumba, Congo belge. Holotype: MRAC 57759.

Distribution: Lower and middle Congo River system, including Lake Tumba and the Pool Malebo; Chiloango system and Ogowe River (Teugels, 1986b).

Remarks: Redescription and comments on status (Teugels, 1982b).

Clarias gariepinus (Burchell, 1822)

Silurus (Heterobranchus) Gariepinus Burchell, 1822: 425 (footnote), figure on p. 445. Type locality: Vaal River at Smidtsdrift, above confluence with Riet River, Cape Province, South Africa (28°42'10"S, 24°04'29"E), by neotype designation. Neotype: SAIAB 520, illustrated in Skelton & Teugels (1992: fig. 2). Neotype designated by Teugels (1986a: 35), or Skelton & Teugels (1992: 1) [see Remarks, below].

Clarias capensis Valenciennes, in Cuvier & Valenciennes, 1840b: 377 (279 in the Strasbourg deluxe edition). Type locality: Cap de Bonne-Espérance (in error). Holotype: MNHN a-9431 (dry).

Clarias lazera Valenciennes, in Cuvier & Valenciennes, 1840b: 372 (275 in the Strasbourg deluxe edition). Type locality: Nil. Syntypes (3, plus one skeleton): MNHN 0000-1578 (1).

Clarias Syriacus Valenciennes, in Cuvier & Valenciennes, 1840b: 375 (275 in the Strasbourg deluxe edition). Type locality: Syrie. Holotype: MNHN a-9426.

Clarias mossambicus Peters, 1852: 682. Type locality: Tette, Mozambique. Syntypes: possibly FMNH 54274 (1), ZMB 3068 (1), ZMB 6591 (1), ZMB 6592 (1), ZMB 6593 (1).

Clarias macracanthus Günther, 1864: 16. Type locality: Upper Nile. Syntypes (5, one a skeleton): BMNH 1855.12.26.453 (1), BMNH 1862.6.17.51 (1), BMNH 1866.9.9.67–68 (2).

Clarias orontis Günther, 1864: 15. Type locality: Orontes. Syntype: BMNH 1855.6.25.3. On *Silurus anguillaris* of Russell (1794: 217, pl. 8) and *Clarias* of Gronovius (1763: 100).

Clarias xenodon Günther, 1864: 16. Type locality: Senegal, West Africa. Holotype: BMNH 1863.7. 30.3.

Clarias robecchii Vinciguerra, 1893: 450. Type locality: Uebi Scebeli [Somalia]. Syntypes: MSNG 8138 (2).

Clarias smithii Günther, 1896b: 219, fig. 1. Type locality: middle course of the Shebeli Somaliland. Holotype: BMNH 1895.12.31.65.

Clarias guentheri Pfeffer, 1896: 28. Type locality: Sansibar. Syntypes: Based on specimens identified as *Clarius gariepinus* in Playfair & Günther (1867: 113), including BMNH 1867.3.9.388 (1, stuffed) and BMNH 1867.3.9.581 (stuffed, not found) and literature sources.

Clarias microphthalmus Pfeffer, 1896: 28. Type locality: Mbake, Ugogo, Bubu, Deutsch Ost-Africa. Holotype: ZMH H477.

Clarias longiceps Boulenger, 1899b: 103, pl. 41 (fig. 1). Type locality: Boma swamps, [Congo basin]. Syntypes: BMNH 1899.11.27.15–17 (3), MRAC 902–905 (4), MRAC 906–910 (5), MRAC 911–915 (5), MRAC 916–920 (5), MRAC 921–922 (2).

Clarias moorii Boulenger, 1901d: 13. Type locality: Lake Albert. Holotype: BMNH 1905.9.7.47.

Clarias tsanensis Boulenger, 1902c: 438. Type locality: Lake Tsana, Abyssinia. Syntypes (5): BMNH 1902.12.13.441–443 (3).

Clarias vinciguerrae Boulenger, 1902c: 438. Type locality: Awhorra, Kassam River, Abyssinia. Holotype: BMNH 1902.12.13.444.

Clarias malaris Nichols & Griscom, 1917: 705, fig. 19. Type locality: Stanleyville, Congo. Holotype: AMNH 6441.

Clarias notozygurus Lönnberg & Rendahl, 1922: 125, fig. 3. Type locality: Lukosi, a tributary to Luala, Lower Congo. Holotype: NRM 9933.

Clarias depressus Myers, 1925a: 12. Type locality: water hole of a hippopotamus, on the Albano River about 6 km. west of Addagalla, Abyssinia. Syntypes: AMNH 8204 (2).

Clarias mülleri Pietschmann, 1939: 184. Type locality: Eritrea. Holotype: at Museo di Trieste.

Distribution: Nearly Pan African, as well as Asia Minor (Teugels, 1986b); introduced into Laos (Kottelat, 2001b).

Remarks: Teugels (1986a: 35) cites “Bruton & Teugels (1986)” as source of neotype designation of *Silurus (Heterobranchus) gariepinus* Burchell. That publication has not been found and may not have preceded Teugels (1986a). Tentatively, Teugels (1986a) is considered the actual source of neotype designation. Seegers (1996: 206) was similarly unable to locate the Bruton & Teugels source and, instead, cited Skelton & Teugels (1992) as

source of the actual neotype designation. See Benech *et al.* (1993) for characters that distinguish this species from *Clarias anguillaris*.

Clarias hilli Fowler, 1936

Clarias hilli Fowler, 1936b: 299, figs. 59–62. Type locality: Saidi's Village, Belgian Congo. Holotype: ANSP 65879.

Clarias gracilis Fowler, 1936b: 303, figs. 75–78. Type locality: Saidi's Village, Belgian Congo. Holotype: ANSP 66098.

Distribution: middle Congo River system and Lake Albert (Teugels, 1986b).

Remarks: Teugels (1986b: 181) gave precedence to *Clarias hilli* and placed *C. gracilis* as a synonym, thereby acting as first reviser.

Clarias insolitus Ng, 2003

Clarias insolitus Ng, 2003h: 2, figs. 1, 2a. Type locality: Borneo: Kalimantan Tengah, Barito River drainage, small stream flowing into Sungai Rekut (tributary of Sungai Busang) about 1.5 km upstream from the Project Barito Ulu base camp on Sungai Busang. Holotype: MZB 6112.

Distribution: Barito River basin, southern Borneo (Ng, 2003h).

Clarias intermedius Teugels, Sudarto & Pouyaud, 2001

Clarias intermedius Teugels, Sudarto & Pouyaud, 2001: 86, fig. 5. Type locality: Palangkaraya market, Central Kalimantan, Indonesia. Holotype: MZB 10574.

Distribution: Central Kalimantan, between the Sampit and Barito river basins, Borneo (Teugels *et al.*, 2001).

Clarias jaensis Boulenger, 1909

Clarias jaensis Boulenger, 1909: 188. Type locality: Ja River at Bitey, South Cameroon. Lectotype: BMNH 1909.4.29.77, designated by Teugels (1986a: 55). Illustrated in Boulenger (1911a: 242, fig. 201).

Clarias cameronensis Holly, 1927c: 422, unnumbered figure. Type locality: Nachtigalschnellen des Sanagaflusses. Holotype: NMW 13374. Considered by Pellegrin (1929b) to be preoccupied by *Clarias camerunensis* Lönnberg, 1895; replaced by *Clarias Hollyi* Pellegrin, 1929.

Clarias Hollyi Pellegrin, 1929b: 359 (footnote). Type locality: Nachtigalschnellen des Sanagaflusses. Holotype: NMW 13374. Replacement for *Clarias cameronensis* Holly, 1927; considered preoccupied by *Clarias camerunensis* Lönnberg, 1895.

Clarias (Clarioides) aboinensis Sydenham & Olawoye, 1981: 234, fig. 1. Type locality: Ugbenu market, near Ologbo, Bendel State, Nigeria. Holotype: BMNH 1980.5.12.1.

Distribution: southeast Nigeria, south Cameroon and Gabon (Teugels, 1986b).

Clarias kapuasensis Sudarto, Teugels & Pouyaud, 2003

Clarias kapuasensis Sudarto, Teugels & Pouyaud, 2003: 156, figs. 2a–b. Type locality: Nanga Pinoh in peat swamp bordering the river Melawi in the upper part of the Kapuas River, West Kalimantan, Indonesia. Holotype: MZB 10965.

Distribution: Kapuas River basin, Borneo (Sudarto, Teugels & Pouyaud, 2003).

Clarias laeviceps Gill, 1862

Clarias laeviceps Gill, 1862: 139, footnote. Type locality: [probably from Liberia]. Holotype: USNM 4099; holotype illustrated by Teugels (1986a: 143, fig. 79).

Clarias kingsleyae Günther, 1903: 334. Type locality: Odumasi [and] Infoan on the R. Offim, Gold Coast. Syntypes (2): BMNH 1903.4.24.65 (1), BMNH 1903.4.24.66 (1).

Clarias vandenhoutei Poll, 1941b: 137, fig. 3. Type locality: confluence de la rivière Masei et la rivière Bon de Boan, Côte d'Ivoire. Holotype: MRAC 66360.

Distribution: from Saint Pauls River, Liberia, to Volta River system, Ghana (Teugels, 1986b).

Remarks: Redescribed in Teugels (1981) with comments on the status of the species.

Clarias lamottei Daget & Planquette, 1967

Clarias lamottei Daget & Planquette, 1967: 279, fig. 1. Type locality: Aoué Bla, marigot affluent du Nzi, bassin du Bandama près Lamto, Côte d'Ivoire. Holotype: MNHN 1966-1104; holotype illustrated by Teugels (1986a: 20, fig. 15).

Distribution: Nzi River, tributary of the Bandama, Côte d'Ivoire (Teugels, 1986b).

Remarks: Considered by Teugels (2003b) as likely to be an intergeneric hybrid between a species of *Clarias* and *Heterobranchus*.

Clarias leiacanthus Bleeker, 1851

Clarias leiacanthus Bleeker, 1851e: 430. Type locality: Sambas, in fluviis. Holotype (160 mm TL): possibly BMNH 1863.12.4.85 (124 mm SL).

Clarias liacanthus Günther, 1864: 20. Type locality: Sambas, in fluviis. Holotype: possibly BMNH 1863.12.4.85 (124 mm SL). Unjustified emendation of *Clarias leiacanthus* Bleeker, 1851.

Distribution: Kapuas River (Roberts, 1989a).

Clarias liocephalus Boulenger, 1898

Clarias liocephalus Boulenger, 1898d: 496. Type locality: Lake Tanganyika. Lectotype or Holotype: BMNH 1898.9.9.70. Described in more detail and illustrated in Boulenger (1898f: 24, pl. 7, figs. 2, 2a) with locality as Kinyamkolo. BMNH 1898.9.9.70 illustrated in Seegers (1996: 209, fig. 149) as holotype. The original description did not indicate how many specimens were included in the concept of this species. Recent authors (e. g., Teugels, 1986; Eschmeyer *et al.*, 1998) have interpreted BMNH 1898.9.9.70 as a holotype, but BMNH 1898.9.9.71 was registered as the same species from the same locality. Therefore, the two specimens should probably have been treated as syntypes. Since it was unclear whether more than one specimen was involved in the original description, Teugels (1986) interpretation of a holotype made that specimen the lectotype.

Clarias carsonii Boulenger, 1903b: 362. Type locality: Fwambo, British Central Africa. Holotype: BMNH 1894.12.20.20.

Clarias neumanni Hilgendorf, 1905: 409. Type locality: Utim, im Guasso Nyiro in den Nguruman-Salzee fliessend, unter 36°Ö L., 1°50'S Br. Holotype: at Nairobi Museum, Kenya, but Seegers (1996: 214, fig. 152, bottom) illustrated BMNH 1905.7.25.49 as the holotype.

Clarias phillipsi Norman, 1925a: 189, pl. 11. Type locality: Lake Chahafi, S.O. Uganda. Holotype: MCZ 31519.

Clarias ornatus Poll, 1943b: 306. Type locality: Bururi, Haute Malagarazi, Lac Tanganika. Holotype: MRAC 56002; illustrated in Poll (1946: 230, fig. 25).

Clarias youngicus Ricardo-Bertram, 1943: 208. Type locality: Lake Young, Shiwa Ngandu, (Bangweulu region). Syntypes: BMNH 1943.7.27.377–382 (6).

Distribution: Lakes Victoria, Edward, George, Kivu, Tanganyika, Malawi and small lakes of Uganda and Rwanda; Kagera system, Malagarazi System, Ruzizi River, Tana River, Bangweulu-Moero system (Teugels, 1986b); Lake Rukwa basin (Seegers, 1996).

Clarias longior Boulenger, 1907

Clarias longior Boulenger, 1907b: 51. Type locality: Kribi and Lobi Rivers, South Cameroon [restricted to Kribi River, by lectotype designation]. Lectotype: BMNH 1904.10.26.63, designated by Sydenham (1978: 369).

Clarias melanopogon Fowler, 1936b: 301, figs. 71–74. Type locality: Thirty kilometers east of Kribi, Cameroons. Holotype: ANSP 66075.

Distribution: Kribi, Lobi and Ntem Rivers of South Cameroon (Teugels, 1986b).

Clarias maclareni Trewavas, 1962

Clarias maclareni Trewavas, 1962: 157, fig. 3. Type locality: L. Barombi-ma-Mbu, northwestern Cameroons. Holotype: BMNH 1959.8.18.174.

Distribution: Lake Barombi-ma-Mbu; known only from the type locality (Teugels, 1986b).

Clarias macrocephalus Günther, 1864

Clarias macrocephalus Günther, 1864: 18. Type locality: Siam. Lectotype: BMNH 1862.11.1.216; lectotype designated by Teugels *et al.* (1999: 294).

Distribution: Mekong and Chao Phraya River basins, and possibly Philippines (Kottelat, 2001b).

Remarks: Redescribed in Teugels *et al.* (1999: 294).

Clarias macromystax Günther, 1864

Clarias macromystax Günther, 1864: 17. Type locality: Gambia [in error]. Holotype: BMNH 1862.5.20.4.

Distribution: Oueme River, Benin, to the Niger delta and the Niger and Benue Rivers (Teugels, 1986b).

Remarks: Teugels (1986a: 76) indicated that the stated type locality appears to be in error.

Clarias meladerma Bleeker, 1846

Clarias meladerma Bleeker, 1846a: 178. Type locality: Batavia. Syntypes (size and number not stated): RMNH 13709 (1), RMNH 16413 (1). Illustrated in Bleeker (1862–63: pl. 97 [Silur. pl. 49], fig. 2) as *Clarias melanoderma*.

Clarias melasoma Bleeker, 1852b: 427. Type locality: Prabukarta, Borneo austro-orientalis, in flumine Kusan; Palembang, Sumatrae austro-orientalis, in flumine Mussi. Syntypes (2, 170–300 mm TL): RMNH 6802 (1).

Clarias melanoderma Bleeker, 1858b: 341. Type locality: Batavia. Syntypes: RMNH 13709 (1), RMNH 16413 (1), RMNH 6802 (1). Unneeded new name for *Clarias meladerma* Bleeker, and *Clarias melasoma* Bleeker.

Distribution: Mekong River basin, and Sumatra, Borneo and Java (Kottelat, 2001b); also the Philippines (Rainboth, 1996).

***Clarias microstomus* Ng, 2001**

Clarias microstomus Ng, 2001c: 158, fig. 1. Type locality: Borneo: Kalimantan Timur, Kayan River drainage, Ladang near Sungai Pingai, 2°0'9.6"N, 115°9'13.8"E. Holotype: MZB 9336.

Distribution: Mahakam and Kayan River basins, eastern Borneo (Ng, 2001c).

***Clarias ngamensis* Castelnau, 1861**

Clarias N'gamensis Castelnau, 1861: 63. Type locality: lac N'gami, [now: Lake Ngami, S. W. Africa (17°50'W, 21°00'E), by neotype designation]. Neotype: BMNH 1910.5.31.27, designated by Teugels (1983: 17). Published name clearly intended as *Clarias N'gamensis*.

Clarias Mellandi Boulenger, 1905b: 644. Type locality: Lake Bangwelo. Holotype: BMNH 1905.11.10.7.

Dinotopterus jallae Gilchrist & Thompson, 1917: 556, fig. 165. Type locality: Sheskeke, southern Rhodesia. Holotype: SAM 14297 [now at AMG].

Dinotopteroidea prentissgrayi Fowler, 1930: 41, fig. 10. Type locality: Chouzo, Quanza River, Angola. Holotype: ANSP 51798.

Distribution: Quanza, Cunene, Okavango, Chobe, Zambezi above Victoria Falls, upper Lualaba, Luapula, Pungwe, Buzi, Save, Limpopo, Incomati, lower Pongolo, and lower Sabi River; Lake Ngami, Moero, Bangweulu, and Malawi (Teugels, 1986b).

***Clarias nieuhofii* Valenciennes, 1840**

Clarias Nieuhofii Valenciennes, in Cuvier & Valenciennes, 1840b: 386 (287 in the Strasbourg deluxe edition). Type locality: Indies. Holotype: MNHN b-0300.

Clarias pentapterus Bleeker, 1851d: 206. Type locality: Bandjarmassing, in fluviis. Holotype (350 mm TL): Whereabouts unknown.

Clarias gilli Smith & Seale, 1906: 74, figs. a–b. Type locality: Rio Grande, Mindanao, Philippines. Holotype: USNM 55620.

Distribution: Sumatra, Kalimantan, India, Thailand and the Philippines (Sudarto *et al.*, 2004); Coastal and, probably, Mekong side of Cardamom Range, Cambodia (Rainboth, 1996).

***Clarias nigricans* Ng, 2003**

Clarias nigricans Ng, 2003g: 393, figs. 1, 2, 3a. Type locality: Borneo: Kalimantan Timur, market in Samarinda. Holotype: MZB 10705.

Distribution: Mahakam River basin, Borneo (Ng, 2003e).

***Clarias nigromarmoratus* Poll, 1967**

Clarias nigromarmoratus Poll, 1967: 229, fig. 106. Type locality: Riv. Luíta, Angola. Holotype: MD 6484.

Distribution: central Congo River system (Teugels, 1986b).

***Clarias olivaceus* Fowler, 1904**

Clarias olivaceus Fowler, 1904: 499, pl. 28 (lower figure). Type locality: Padang, Sumatra. Holotype: ANSP 27280.

Distribution: Highland rivers of western Sumatra (Tan & Ng, 2000).

***Clarias pachynema* Boulenger, 1903**

Clarias pachynema Boulenger, 1903c: 438. Type locality: Ja River, southern Cameroon. Lectotype: BMNH 1903.7.28.191, illustrated in, and designated by, Teugels (1980: 686, fig. 61; 214.5 mm TL).

Clarias esamesae Boulenger, 1911e: 372. Type locality: Esamesa, south Cameroon. Holotype: BMNH 1911.5.30.28.

Clarias oxycephalus Boulenger, 1913: 67. Type locality: Nyong River, S. Cameroon. Holotype: BMNH

1913.10.29.7.

Distribution: Coastal rivers of south Cameroon, Oowe system and central Congo River system (Teugels, 1986b).

Clarias planiceps Ng, 1999

Clarias planiceps Ng, 1999d: 22, figs. 4b, 5, 6. Type locality: Borneo: Sarawak, Belakin area, Ulu Sungai Anap. Holotype: SMK uncataloged.

Distribution: Upper reaches of the Rajang and Kapuas Rivers, western Borneo, and Kayan River, eastern Borneo (Ng, 1999d).

Clarias platycephalus Boulenger, 1902

Clarias platycephalus Boulenger, 1902d: 35, pl. 10 (fig. 1). Type locality: Monsembé, Haut-Congo. Holotype: BMNH 1901.12.21.43.

Clarias ekibondo Fowler, 1936b: 300, figs. 63–66. Type locality: Ekibondo's Village, Belgain Congo. Holotype: ANSP 65886.

Clarias varispinis Fowler, 1936b: 301, figs. 67–70. Type locality: Nola, Middle Congo. Holotype: ANSP 65887.

Distribution: lower and central Congo River basin (Teugels, 1986b).

Clarias pseudoleiacanthus Sudarto, Teugels & Pouyaud, 2003

Clarias pseudoleiacanthus Sudarto, Teugels & Pouyaud, 2003: 156, figs. 2a–b. Type locality: Satong, peat swamp at ca. 30 km after Ketapang on the road to Sudadana, Borneo, West Kalimantan, Indonesia. Holotype: MZB 10964.

Distribution: Borneo.

Clarias pseudonieuhofii Sudarto, Teugels & Pouyaud, 2004

Clarias pseudonieuhofii Sudarto, Teugels & Pouyaud, 2004: 15, fig. 3. Type locality: Semitau, near the Danau Sentarum Reserve, upstream Kapuas R. on the road between Sintang and Putussibau, West Kalimantan, Borneo, Indonesia. Holotype: MZB 10966.

Distribution: Upper Kapuas River, West Kalimantan, Borneo (Sudarto *et al.*, 2004: 16).

Clarias salae Hubrecht, 1881

Clarias salae Hubrecht, 1881: 68. Type locality: St. Paul's River, Liberia. Lectotype: RMNH 5373 (smallest specimen); lectotype illustrated in, and designated by, Teugels (1986a: 103, fig. 54).

Distribution: Konkoure system, Guinea, to the Cavally River, Côte d'Ivoire (Teugels, 1986b).

Clarias stappersii Boulenger, 1915

Clarias Stappersii Boulenger, 1915: 168. Type locality: Ruisseau affluent de la Lukinda, Tanganika-Moero. Holotype: MRAC 14139.

Distribution: Luapula-Moero system, Kafue River, upper Zambezi River and Cunene River (Teugels, 1986b).

Clarias submarginatus Peters, 1882

Clarias submarginatus Peters, 1882: 74. Type locality: Westafrica (Tooxlong River). Lectotype: ZMB 11895 (largest specimen), designated by Sydenham (1978: 358); lectotype illustrated by Teugels (1986a: 107, fig. 56).

Clarias hollyi Fowler, 1936b: 304, figs. 79–82. Type locality: Thirty kilometers east of Kribi, Cameroons. Holotype: ANSP 66118. Preoccupied by *Clarias hollyi* Pellegrin, 1929; apparently not replaced.

Distribution: Kribi and Lobi Rivers, south Cameroon (Teugels, 1986b).

Clarias sulcatus Ng, 2004

Clarias sulcatus Ng, 2004d: 290, fig. 1. Type locality: Malaysia: Terengganu: Pulau Redang, stream on east slope of west ridge. Holotype: ZRC 22666.

Distribution: Rendang Island, off northeastern Malay Peninsula (Ng, 2004d).

Clarias teijsmanni Bleeker, 1857

Clarias Teijsmanni Bleeker, 1857a: 344. Type locality: Tjikoppo, provinciae Buitenzorg, 900 metr. p.m. supra mare [Java]. Holotype (110 mm TL): possibly AMS B.8031 (1), or BMNH 1863.12.4.62 (1).

Clarias pulcher Popta, 1904: 179. Type locality: le Howong, Bornéo central. Holotype RMNH 7542; described in more detail, with illustration of holotype, in Popta (1906: pl. 1, fig. 2).

Distribution: Kapuas River, Borneo (Roberts, 1989a), and Java.

Clarias theodora Weber, 1897

Clarias theodora Weber, 1897: 150. Type locality: Natal: Umhloti-Fluss, Süd-Afrika. Holotype: ZMA 100647;

holotype illustrated by Teugels (1986a: 111, fig. 58).

Clarias amplexicauda Boulenger, 1902d: 36, pl. 10 (fig. 2). Type locality: Banzyville, [Haut Ubangi]. Holotype: MRAC 1158.

Clarias Fouloni Boulenger, 1905b: 644. Type locality: Lake Bangwelo. Holotype: BMNH 1905.11.10.8.

Clarias macrurus Boulenger, 1915: 168. Type locality: Ruisseau affluent de la Lukinda, Tanganika-Moero. Holotype: MRAC 14256.

Distribution: Zambezi, Kafue, Shire, upper Congo, Chobe, Okavango, Cunene, Pungwe, Sabi, Lundi, Limpopo, Incomati, Pongola, Umgeni rivers; Lakes Tanganyika, Bangweulu Kobo, Niumbe, Mweru, Malawi, and Sibaya (Teugels, 1986b).

Clarias wernerii Boulenger, 1906

Clarias Wernerii Boulenger, 1906c: 569. Type locality: Gondokoro, and Lake Victoria (at Bunjako, Buganga, and Munyonyo), Uganda [restricted to Buganga, by lectotype designation]. Lectotype: BMNH 1906.5.30.165; designated by Teugels (1986a: 126).

Distribution: Lakes Victoria, Kioga, Edward, and Tanganyika; upper Nile River (Teugels, 1986b).

Species inquirendae, Clarias

Clarias abbreviatus Valenciennes, in Cuvier & Valenciennes, 1840b: 386 (286 in the Strasbourg deluxe edition). Type locality: Macao. Syntypes: MNHN a-9592 (2).

Clarias Assamensis Day, 1877 (in Day, 1875–78): 485. Type locality: Upper and lower Assam. Syntypes: Possibly AMS B.7485 (1), ZSI F1268 (1, lost).

Cossyphus ater McClelland, 1844a: 403, pl. 22 (fig. 3). Type locality: Chusan, China. Holotype: Whereabouts unknown.

Macropteronotus charmuth La Cepède, 1803: 84, 85. Type locality: Nile R. Types: based on numerous literature sources. Possibly a synonym of *Clarias anguillaris* (Linnaeus, 1758) or *Clarias gariepinus* (Burchell, 1822) (Teugels, 1986a: 35; Teugels, 1986b: 71, 79; Seegers, 1996: 205), depending on the selection of a single primary type specimen.

Macropteronotus hexacircinnus La Cepède, 1803: 84, 88, pl. 2 (fig. 3). Type locality: China. No types known; based on an unpublished painting.

Clarias marpus Valenciennes, in Cuvier & Valenciennes, 1840b: 378 (280 in the Strasbourg deluxe edition). Type locality: Calcutta,.... Pondichéry ...[Vizagapatam], l'Irouaddi..... . Syntypes: MNHN b-0685 (2).

Clarias nebulosus Deraniyagala, 1958: 133, pl. 2 (figs. 3–5, 7). Type locality: Kaluganga at Ratnapura, Ceylon. Holotype: NMSL FF721 (lost).

Clarias sauteri Regan, 1908b: 151. Type locality: Kagi, Formosa. Syntypes: BMNH 1908.5.27.16–22 (7).

Clarias tenuis Güntert, 1938: 302. Type locality: China. Syntypes (2): NMW 47074 (2).

Clarias thienemanni Ahl, 1934: 235. Type locality: Porsea, Toba-See, Sumatra. Syntypes (4): ZMB 20931, ZMB 20934, ZMB 20944.

DINOPTERUS Boulenger, 1906

Dinopterus Boulenger, 1906f: 550. Type species: *Dinopterus cunningtoni* Boulenger, 1906. Type by monotypy. Gender: Masculine.

Revision: Greenwood (1961); *sensu lato*, including species now in *Bathyclarias*.

Dinopterus atribranchus Greenwood, 1961

Dinopterus atribranchus Greenwood, 1961: 228. Type locality: Lake Nyasa. Holotype: BMNH 1960.2.29.17.

Distribution: Lake Malawi (Teugels, 1986b).

Dinopterus cunningtoni Boulenger, 1906

Dinopterus cunningtoni Boulenger, 1906f: 550, pl. 31. Type locality: Mpala, Lake Tanganyika. Syntypes: BMNH 1906.9.8.62 (1), BMNH 1906.9.8.63 (1).

Distribution: Lake Tanganyika (Teugels, 1986b).

Dinopterus filicibarbis (Jackson, 1959)

Bathyclarias filicibarbis Jackson, 1959: 120, fig. 5. Type locality: Nkata Bay, Lake Nyasa. Holotype: BMNH

1955.6.14.1.

Distribution: Lake Malawi (Teugels, 1986b).

Dinotopterus foveolatus (Jackson, 1955)

Clarias foveolatus Jackson, 1955: 681, unnumbered figure. Type locality: Nkata Bay, Lake Nyasa. Holotype: BMNH 1955.6.15.1.

Distribution: Lake Malawi (Teugels, 1986b).

Dinotopterus gigas (Jackson, 1959)

Bathyclarias gigas Jackson, 1959: 125, fig. 7. Type locality: [Nkata Bay] Lake Nyasa. Holotype: BMNH 1960.2.29.35 (head and skin).

Distribution: Lake Malawi (Teugels, 1986b).

Dinotopterus jacksoni Greenwood, 1961

Dinotopterus jacksoni Greenwood, 1961: 222. Type locality: Nkata Bay, Lake Nyasa. Holotype: BMNH 1960.2.29.26.

Distribution: Lake Malawi (Teugels, 1986b).

Dinotopterus loweae (Jackson, 1959)

Bathyclarias loweae Jackson, 1959: 114, fig. 1. Type locality: Nkata Bay, Lake Nyasa. Holotype: BMNH 1960.2.29.3.

Distribution: Lake Malawi (Teugels, 1986b).

Dinotopterus nyasensis (Worthington, 1933)

Clarias nyasensis Worthington, 1933b: 308, fig. 9. Type locality: Lake Nyasa. Lectotype: BMNH 1932.11.15.584, designated by Greenwood (1961: 221).

Distribution: Lake Malawi (Teugels, 1986b).

DOLICHALLABES Poll, 1942

Dolichallabes Poll, 1942c: 95. Type species: *Dolichallabes microphthalmus* Poll, 1942. Type by monotypy. Gender: Masculine.

Dolichallabes microphthalmus Poll, 1942

Dolichallabes microphthalmus Poll, 1942c: 97, figs. a, d. Type locality: Kunungu, Congo belge. Holotype: MRAC 44655.

Distribution: Congo River system (Teugels, 1986b).

Remarks: Redescribed in Devaere *et al.* (2004).

ENCHELOCLARIAS Herre & Myers, 1937

Encheloclarias Herre & Myers, 1937: 66. Type species: *Heterobranchius tapeinopterus* Bleeker, 1852. Type by original designation. Gender: Masculine.

Revision: Ng & Lim (1993).

Encheloclarias baculum Ng & Lim, 1993

Encheloclarias baculum Ng & Lim, 1993: 27, fig. 5. Type locality: Probably Borneo: Sambas, Kalimantan Barat. Holotype: BMNH 1863.12.4.162.

Distribution: Probably Sambas, Borneo; known only from holotype (Ng & Lim, 1993).

Remarks: Register number of holotype of *Encheloclarias baculum* incorrectly reported as BMNH 1863.12.11.162 in Ng & Lim (1993) and Eschmeyer *et al.* (1998).

Encheloclarias curtisoma Ng & Lim, 1993

Encheloclarias curtisoma Ng & Lim, 1993: 32, figs. 9–10. Type locality: Peninsular Malaysia: Selangor, north Selangor peat swamp forest, blackwater stream at 39 km milestone on road to Tanjong Malim from Sungei Basar. Holotype: ZRC 14886.

Distribution: streams north of Selangor peat forest, Selangor, Malaysia (Ng & Lim, 1993).

Encheloclarias kelioides Ng & Lim, 1993

Encheloclarias kelioides Ng & Lim, 1993: 30, figs. 7–8. Type locality: Peninsular Malaysia: Pahang, south of Pekan, blackwater stream across road, at 69 km stone on road from Mersing to Pekan. Holotype: ZRC 29401.

Distribution: Pahang, and Mawai, Johor, southeastern peninsular Malaysia (Ng & Lim, 1993).

Encheloclarias prolatus Ng & Lim, 1993

Encheloclarias prolatus Ng & Lim, 1993: 29, fig. 6. Type locality: Borneo: Sarawak, Kuching. Holotype: SMK 5686.

Distribution: Western Sarawak, Borneo (Ng & Lim, 1993).

Encheloclarias tapeinopterus (Bleeker, 1852)

Heterobranchus tapeinopterus Bleeker, 1852e: 732. Type locality: Provincia Toboali, in fluviis [Sumatra, Indonesia]. Holotype (124 mm TL): RMNH 6806; holotype illustrated in Ng & Lim (1993: fig. 3).

Distribution: Banka, Sumatra (Ng & Lim, 1993).

Encheloclarias velatus Ng & Tan, 2000

Encheloclarias velatus Ng & Tan, 2000: 536, fig. 1. Type locality: Sumatra: Jambi, Angso Duo market. Holotype: MZB 9335.

Distribution: Batang Hari drainage, central Sumatra, and Bintan (Ng & Tan, 2000).

GYMNALLABES Günther, 1867

Gymnallabes Günther, 1867b: 111. Type species: *Gymnallabes typus* Günther, 1867. Type by original designation. Gender: Feminine.

Gymnallabes alvarezii Roman, 1970

Gymnallabes alvarezii Roman, 1970: 5, fig. 1. Type locality: Rio Kie, circa de Ebebiyin, Rio Muni, Guinea Ecuatorial. Holotype: at Inst. Biol. Aplicada, Barcelona.

Distribution: Kie and Muni Rivers, Equatorial Guinea (Teugels, 1986b).

Gymnallabes nops Roberts & Stewart, 1976

Gymnallabes nops Roberts & Stewart, 1976: 277, pl. 7 (fig. e), pl. 8 (fig. a). Type locality: Near Tadi, about 50 km downstream from Luozi. Lat. 5° 14'S, long. 13°56'E; lower Zaïre or Congo River. Holotype: MCZ 50298; skeleton of holotype illustrated in Devaere *et al.* (2005).

Distribution: Lower Congo River (Teugels, 1986b).

Remarks: Redescribed in Devaere *et al.* (2005).

Gymnallabes typus Günther, 1867

Gymnallabes typus Günther, 1867b: 111, pl. 2 (fig. a). Type locality: West Africa, probably Old Calabar. Syntypes: BMNH 1866.12.4.1–2 (2).

Gymnallabes typus heterocercalis Lönnberg, 1895: 184. Type locality: Cameroons. Syntypes (2): ZMUU 566. Originally as *Gymnallabes typus* forma *heterocercalis*.

Clariallabes longicaudatus Pappenheim, 1911: 519, fig. 3. Type locality: in der Mabelle, Süd-Kamerun. Holotype: ZMB 18401.

Distribution: Niger River to Cameroon (Teugels, 1986b).

HETEROBRANCHUS Geoffroy Saint-Hilaire, 1809

Heterobranchus Geoffroy Saint-Hilaire, 1809: pls. 16–17. Type species: *Heterobranchus bidorsalis* Geoffroy Saint-Hilaire, 1809. Type by monotypy. Gender: Masculine.

Revision: Teugels, Denayer & Legendre (1990).

Monophyly: Agnèse & Teugels (2001b).

Heterobranchus bidorsalis Geoffroy Saint-Hilaire, 1809

Heterobranchus bidorsalis Geoffroy Saint-Hilaire, 1809: pls. 16–17. Type locality: Nil. Holotype: at MNHN (skeleton).

Heterobranchus Geoffroyi Valenciennes, in Cuvier & Valenciennes, 1840b: 392 (291 in the Strasbourg deluxe edition). Type locality: Nil. Holotype: at MNHN (skeleton). New name for *Heterobranchus bidorsalis* Geoffroy Saint-Hilaire, 1809.

Heterobranchus Senegalensis Valenciennes, in Cuvier & Valenciennes, 1840b: 397 (295 in the Strasbourg deluxe edition). Type locality: Sénégal. Holotype: at MNHN (skull).

Heterobranchus intermedius Günther, 1864: 22. Type locality: Khartoum, Upper Nile. Syntypes (3, one a skeleton):

BMNH 1862.1.17.54 (1), BMNH 1863.10.6.1 (1).

Distribution: Nile, Niger, Upper Volta, Guinea and Senegal Rivers, Chad basin (Teugels, 1986b).

Heterobranchus boulengeri Pellegrin, 1922

Heterobranchus Boulengeri Pellegrin, 1922d: 274. Type locality: Rivière Lukonzolwa. Syntypes (2): MRAC 14763 (1), MRAC 14764 (1).

Distribution: Lake Moero, Lukonzolwa River and upper Congo River, Zimbabwe (Teugels, 1986b).

Heterobranchus isopterus Bleeker, 1863

Heterobranchus isopterus Bleeker, 1863a: 108, pl. 22 (fig. 1). Type locality: Guinea [Rio Boutry]. Holotype: RMNH 2977, or ZMB 6590.

Heterobranchus macronema Bleeker, 1863a: 109, pls. 21 (fig. 1), 22 (fig. 2). Type locality: Guinea [Dabo-Crom]. Syntypes (4): RMNH 2978 (3).

Distribution: West Africa, from Senegal to Ghana (Teugels, 1986b).

Heterobranchus longifilis Valenciennes, 1840

Heterobranchus longifilis Valenciennes, in Cuvier & Valenciennes, 1840b: 394 (293 in the Strasbourg deluxe edition), pl. 447. Type locality: Nil (Egypte). Holotype: MNHN b-0273.

Heterobranchus laticeps Peters, 1852: 682. Type locality: Tette, Boror (Mossambique). Syntypes: ZMB 3071 or 3072 (2), possibly ZMB 4741 (1), ZMB 6590 (1). Illustrated in Peters (1868c: 37, pl. 7, fig. 1).

Heterobranchus platycephalus Nichols & La Monte, 1934: 2, fig. 2. Type locality: Luluabourg, Kasai District, Belgian Congo. Holotype: AMNH 12356.

Clarias loangwensis Worthington, 1933a: 46, unnumbered figure. Type locality: Loangwa River, Zambezi system. Holotype: BMNH 1932.12.16.501.

Distribution: Nile, Niger, Senegal, Congo and upper and middle Zambezi Rivers (Teugels, 1986b).

† ***Heterobranchus palaeindicus*** Lydekker, 1886

† *Heterobranchus palaeindicus* Lydekker, 1886: 248, pl. 36, fig. 4. Type locality: Siwalik Hills, India. Lower Pliocene. Holotype: BMNH (paleo) 16402c (middle part of skull).

Distribution: Siwalik Hills, India; Lower Pliocene.

HETEROPNEUSTES Müller, 1840

Heteropneustes Müller, 1840: 243. Type species: *Silurus fossilis* Bloch, 1794. Type by monotypy. Gender: Masculine.

Saccobranchus Valenciennes, in Cuvier & Valenciennes, 1840b: 399 (296 in Strasbourg deluxe edition). Type species: *Silurus singio* Hamilton, 1822. Type by monotypy. Gender: Masculine.

Clarisilurus Fowler, 1937: 133. Type species: *Clarisilurus kemratensis* Fowler, 1937. Type by original designation. Gender: Masculine.

Phylogenetic position: Diogo *et al.* (2003a).

Review: Hora (1936a).

Remarks: The relative dates of publication of the names *Heteropneustes* and *Saccobranchus* have not been clearly established and, therefore, priority of one name over the other is unknown. Herein, *Heteropneustes* is treated as valid because of its widespread usage in recent times.

Heteropneustes fossilis (Bloch, 1794)

Silurus fossilis Bloch, 1794: 46, pl. 370 (fig. 2). Type locality: Tranquebar. Lectotype: ZMB 3074, designated by, and illustrated in, Paepke (1999: 87, pl. 25, fig. 3).

Silurus singio Hamilton, 1822: 147, 374, pl. 37 (fig. 46). Type locality: Bengal. No types known.

Silurus laticeps Swainson, 1838: 345, fig. 84. Type locality: India. No types known. See also, Swainson (1839: 393).

Silurus biserratus Swainson, 1839: 306. Type locality: Bengal. No types known. Based on "Ham. pl. 37. f 46" [= Hamilton (1822: pl. 37, fig. 46)]. Unneeded new name for *Silurus singio* Hamilton, 1822.

Saccobranchus microcephalus Günther, 1864: 31. Type locality: Ceylon. Holotype: BMNH 1864.3.18.1.

Saccobranchus microps Günther, 1864: 31. Type locality: Ceylon. Syntypes: BMNH 1859.5.31.9–11 (3).

Distribution: Widely distributed in South Asia.

Remarks: Synonymy of *Saccobranchus microps* based on Pethiyagoda & Bahir (1998).

Heteropneustes kemratensis (Fowler, 1937)

Clarisilurus kemratensis Fowler, 1937: 133, figs. 5–7. Type locality: Kemrat, Siam. Holotype: ANSP 67880.
Distribution: Mekong, Chao Phraya and Tapi River basins (Kottelat, 2001b).

Species inquirenda, Heteropneustes

Heteropneustes longipectoralis Rema Devi & Raghunathan, 1999: 109, pl. 2 (figs. 1–5). Type locality: Thirumurthi Dam, Anamalai Hills, Western Ghats, Tamil Nadu, India. Holotype: ZSI/SRS F.4935.

HORAGLANIS Menon, 1950

Horaglanis Menon, 1950: 60. Type species: *Horaglanis krishnai* Menon, 1950. Type by original designation. Gender: Masculine.

Horaglanis alikunhii Subhash Babu & Nayer, 2004

Horaglanis alikunhii Subhash Babu & Nayer, 2004: 296, fig. 1. Type locality: Parappukara (10°23'N, 76°15'E), Trichur district, Kerala [India]; from a well. Holotype: ZSI Calicut. Regn. V/F 13137.
Distribution: Trichur District, Kerala, India (Subhash Babu & Nayer, 2004).

Horaglanis krishnai Menon, 1950

Horaglanis krishnai Menon, 1950: 64, pl. 1 (figs. 1–3). Type locality: Well at Kottayam, Kerala [India]. Holotype: ZSI F313/2.
Distribution: Two separate locations in Kottayam, Kerala State, India (Subhash Babu & Nayer, 2004).

PLATYALLABES Poll, 1977

Platyallabes Poll, 1977: 129. Type species: *Gymnallabes tihoni* Poll, 1944. Type by original designation. Gender: Feminine.

Platyallabes tihoni (Poll, 1944)

Gymnallabes tihoni Poll, 1944b: 79, fig. on p. 81. Type locality: Poste de peche de Kingabwa, Stanley-Pool. Neotype: MRAC 103307, designated by Derijst (1991: 43).
Distribution: Malebo Pool (Teugels, 1986b).
Remarks: Described initially on an illustration. Redescribed by Poll (1957: 240) with a new “holotype” which Derijst (1991: 43) regarded as, and effectively designated as, the neotype. Species redescribed in Devaere *et al.* (2005).

PLATYCLARIAS Poll, 1977

Platyclarias Poll, 1977: 136. Type species: *Platyclarias machadoi* Poll, 1977. Type by original designation. Gender: Masculine.

Platyclarias machadoi Poll, 1977

Platyclarias machadoi Poll, 1977: 141, figs. 7–8. Type locality: Haut Cuango, Cafunfo, rivièrè Borio, Angola. Holotype: MRAC 78-6-P-1345.
Distribution: Upper Cuango River (Teugels, 1986b).

TANGANIKALLABES Poll, 1943

Tanganikallabes Poll, 1943a: 127. Type species: *Tanganikallabes mortiauxi* Poll, 1943. Type by monotypy. Gender: Feminine.

Tanganikallabes mortiauxi Poll, 1943

Tanganikallabes mortiauxi Poll, 1943a: 131, figs. 1–4. Type locality: lac Tanganyika, Albertville. Holotype: MRAC 63731; also illustrated in Poll (1946: 234, figs. 27, 28).
Distribution: Lake Tanganyika (Teugels, 1986b).

UEGITGLANIS Gianferrari, 1923

Uegitglanis Gianferrari, 1923: 1. Type species: *Uegitglanis zammaranoi* Gianferrari, 1923. Type by original designation.

nation. Gender: Masculine.

Phylogeny: David (1936a).

Uegitglanis zammaranoi Gianferrari, 1923

Uegitglanis Zammaranoi Gianferrari, 1923: 1, pl. 1. Type locality: Pozzi di Uegit (El Uegit) Somalia italiana. Holotype: MSNM 37.

Distribution: Caves near the Uegit and the Uebi Scebeli rivers, Somalia (Teugels, 1986b).

Remarks: Systematic position discussed in David (1936a: 369).

XENOCLARIAS Greenwood, 1958

Xenoclaris Greenwood, 1958: 321. Type species: *Clarias eupogon* Norman, 1928. Type by original designation. Gender: Masculine.

Xenoclaris eupogon (Norman, 1928)

Clarias eupogon Norman, 1928a: 105. Type locality: Lake Victoria (0°22'S, 34°14½'E). Holotype: BMNH 1928.5.24.57.

Distribution: Lake Victoria, in deep waters (Teugels, 1986b).

Xenoclaris holobranchus Greenwood, 1958

Xenoclaris holobranchus Greenwood, 1958: 322. Type locality: off the south-western tip of Ukerewe Island, Lake Victoria. Holotype: BMNH 1958.7.8.1.

Distribution: Lake Victoria (Teugels, 1986b).

CLAROTEIDAE Bleeker, 1862

Claroteini Bleeker, 1862 (in Bleeker, 1862–63): 4. Type genus: *Clarotes* Kner, 1855.

Chrysichthyinae Regan, 1911: 561. Type genus: *Chrysichthys* Bleeker, 1858.

Auchenoglanidinae Jayaram, 1966b: 1119. Type genus: *Auchenoglanis* Günther, 1865.

Gephyroglanidini Jayaram, 1966b: 1071, 1099. Type genus: *Gephyroglanis* Boulenger, 1899.

Chrysichthyini Jayaram, 1966b: 1071. Type genus: *Chrysichthys* Bleeker, 1858; preoccupied by Regan (1911).

Taxonomic summaries: Risch (1986, as Bagridae, in part).

Reviews: Jayaram (1955a, 1966b, African genera); Risch (1992b, West Africa); Bailey & Stewart (1984, Lake Tanganyika).

Phylogeny: Jayaram (1976); Jayaram & Singh (1982); Mo (1991); Ng (2003j).

Key to genera: Poll & Gosse (1994).

17 genera, 83 species; including 1 fossil genus and 3 fossil species.

AMARGINOPS Nichols & Griscom, 1917

Amarginops Nichols & Griscom, 1917: 713. Type species: *Amarginops platus* Nichols & Griscom, 1917. Type by monotypy. Gender: Masculine.

Amarginops hildae (Bell-Cross, 1973)

Chrysichthys hildae Bell-Cross, 1973: 7, fig. 1. Type locality: Buzi River, Mozambique, at approximately 20°22'S, 30°20'E. Holotype: QVMS 1827.

Distribution: Lower reaches of Buzi River, Mozambique (Skelton, 1993).

Remarks: Also treated in recent literature as *Chrysichthys hildae*.

Amarginops platus Nichols & Griscom, 1917

Amarginops platus Nichols & Griscom, 1917: 713, fig. 22–23. Type locality: Stanleyville, Congo. Holotype: AMNH 6528.

Distribution: Kisangani, Congo; known only from types (Risch, 1986).

ANASPIDOGLANIS Teugels, Risch, de Vos & Thys van den Audenaerde, 1991

Anaspidoglanis Teugels, Risch, de Vos & Thys van den Audenaerde, 1991: 513. Type species: *Auchenoglanis mac-*

rostoma Pellegrin, 1909. Type by original designation. Gender: Masculine.

Revision: Mbega & Teugels (1998: 233).

Key: Geerinckx *et al.* (2003).

Anaspidoglanis akiri (Risch, 1987)

Auchenoglanis akiri Risch, 1987: 33, fig. 4. Type locality: Umayara Mba, Etche, Rivers State, Nigeria (5°12'N, 7°06'E). Holotype: MRAC 84-15-P-9; holotype illustrated in Geerinckx *et al.* (2003: 24, fig. 8c).

Distribution: Niger River delta, New Calabar and Bony Rivers, Nigeria (Geerinckx *et al.* 2003).

Remarks: Redescribed and assigned to *Anaspidoglanis* in Geerinckx *et al.* (2003).

Anaspidoglanis boutchangai (Thys van den Audenaerde, 1965)

Parauchenoglanis boutchangai Thys van den Audenaerde, 1965b: 347, fig. 1. Type locality: Rapides de la Ngounié ou de la Louetsi à Lelamba, 2°12'S, 11°30'E [Gabon]. Holotype: MRAC 153160.

Distribution: Ngounié or Louetsi River, Gabon; known only from the type locality (Risch, 1986).

Anaspidoglanis macrostomus (Pellegrin, 1909)

Auchenoglanis macrostoma Pellegrin, 1909a: 67. Type locality: Ngomo (Ogôoué) [Gabon]. Holotype: MNHN 1909-0017. Also described as new in Pellegrin (1909d: 48, figs. 1a, 1b). Name spelled *Auchenauglanis macrostom* on p. 66.

Parauchenoglanis ansorgii Boulenger, 1912b: 20, pl. 22 (fig. 3). Type locality: N'Kutu sur les chutes du Loango. Holotype: BMNH 1912.4.1.447.

Distribution: S. Cameroon, Gabon, and Congo River system (Risch, 1986).

AUCHENOGLANIS Günther, 1865

Auchenaspis Bleeker, 1858b: 198, 205, 208. Type species: *Pimelodus biscutatus* Geoffroy St. Hilaire, 1809. Type by subsequent designation by Bleeker, 1862 (in Bleeker, 1862–63: 12). Gender: Feminine. Preoccupied by † *Auchenaspis* Egerton, 1857, in fossil fishes; replaced by *Auchenoglanis* Günther, 1865.

Auchenoglanis Günther, 1865b: 165. Type species: *Pimelodus biscutatus* Geoffroy St. Hilaire, 1809. Type by being a replacement name. Gender: Masculine. Replacement for *Auchenaspis* Bleeker, 1858, preoccupied by † *Auchenaspis* Egerton, 1857, in fossil fishes.

Oxyglanis Vinciguerra, 1898: 249. Type species: *Oxyglanis sacchii* Vinciguerra, 1898. Type by monotypy. Gender: Masculine.

Remarks: Included species and synonymy follows Teugels *et al.* (1991).

Auchenoglanis biscutatus (Geoffroy Saint-Hilaire, 1809)

Pimelodus biscutatus Geoffroy Saint-Hilaire, 1809: pl. 14 (fig. 1). Type locality: Nil. Holotype: MNHN a-8969.

Distribution: Nile, Niger, and Senegal rivers, and Lake Chad basin (Risch, 1986).

Auchenoglanis occidentalis (Valenciennes, 1840)

Pimelodus occidentalis Valenciennes, in Cuvier & Valenciennes, 1840b: 203 (150 in Strasbourg deluxe edition). Type locality: Sénégal. Holotype: MNHN a-8971.

Oxyglanis Sacchii Vinciguerra, 1898: 250. Type locality: fiume Omo a Murzù. Holotype: MSNG 14506.

Auchenoglanis occidentalis tanganicus Boulenger, 1906f: 553, pl. 33. Type locality: Kalambo,... the middle of the lake [Lake Tanganyika] and Mtomdwe Bay. Syntypes (4): BMNH 1906.9.6.37–38 (2), BMNH 1906.9.6.39 (1), BMNH 1906.9.8.69 (1). Originally as *Auchenoglanis occidentalis* var. *tanganicus*.

Auchenoglanis occidentalis tchadiensis Pellegrin, 1909b: 244. Type locality: Lac Chad à Bol. Syntypes: MNHN 1909-0425 (3), MNHN 1909-0426 (4). Originally as *Auchenoglanis occidentalis* var. *tchadiensis*.

Auchenoglanis acuticeps Pappenheim, in Pappenheim & Boulenger, 1914: 249, pl. 5 (fig. 1). Type locality: Albertsee. Syntypes (7): ZMB 19094 (1), ZMB 21317 (3).

Auchenoglanis Wittei Giltay, 1930a: 92, figs. 1–2. Type locality: Stanleyville. Holotype: MRAC 19802.

Distribution: East African lakes; Lake Chad; Nile, Congo, Omo and Giuba rivers (Risch, 1986).

BATHYBAGRUS Bailey & Stewart, 1984

Bathybagnus Bailey & Stewart, 1984: 8. Type species: *Bathybagnus tetranema* Bailey & Stewart, 1984. Type by original designation. Gender: Masculine.

Bathybagrus tetranema Bailey & Stewart, 1984

Bathybagrus tetranema Bailey & Stewart, 1984: 11, figs. 1–4. Type locality: Zambian waters of Lake Tanganyika.
Holotype: UMMZ 196110.
Distribution: Lake Tanganyika, Zambian portion (Risch, 1986).

CHRYSICHTHYS Bleeker, 1858

Chrysichthys Bleeker, 1858b: 60, 65. Type species: *Pimelodus auratus* Geoffroy St. Hilaire, 1809. Type by subsequent designation by Bleeker (1862–63: 9). Gender: Masculine.
Melanodactylus Bleeker, 1858b: 60, 65. Type species: *Arius acutivelis* Valenciennes, 1840. Type by subsequent designation by Bleeker (1862–63: 9). Gender: Masculine.
Chrysobagrus Boulenger, 1899a: 40. Type species: *Chrysobagrus brevibarbis* Boulenger, 1899. Type by subsequent designation, apparently by Jordan (1920: 485); see Eschmeyer *et al.* (1998) for details. Gender: Masculine.
Key to species: Jayaram (1966b).

Chrysichthys aluuensis Risch, 1985

Chrysichthys aluuensis Risch, 1985b: 185, figs. 2–3. Type locality: Omuehuechi-Aluu, New Calabar River, Rivers State, Nigeria. Holotype: MRAC 84-20-P-1.
Distribution: New Calabar River; known only from type locality (Risch, 1986).

Chrysichthys ansorgii Boulenger, 1910

Chrysichthys ansorgii Boulenger, 1910: 558. Type locality: Quanza River at Dondo and from the Bengo River. Syntypes (numerous): ANSP 37906 (1), BMNH 1911.6.1.116–124 (9), BMNH 1911.6.1.126 (1), USNM 86636 (1), ZMB 18228 (1).
Distribution: Cuanza and Bengo Rivers, Angola (Risch, 1986).

Chrysichthys auratus (Geoffroy Saint-Hilaire, 1809)

Pimelodus auratus Geoffroy Saint-Hilaire, 1809: pl. 14 (figs. 3–4). Type locality: Nil. Holotype: at MNHN. Name available from caption to plate, described as *Porcus auratus* in Geoffroy Saint-Hilaire (1827: 302).
Bagrus capito Valenciennes, in Cuvier & Valenciennes, 1840a: 430 (319 of Strasbourg deluxe edition). Type locality: Nil. Syntypes: MNHN b-0605 (1), MNHN b-0606 (1).
Chrysichthys macrops Günther, 1864: 71. Type locality: Nile, Chartoum. Syntypes (7): BMNH 1860.11.9.125 (1), BMNH 1862.6.17.60–64 (5).
Gephyroglanis tilhoi Pellegrin, 1909b: 243. Type locality: Bol, Lac Chad. Holotype: MNHN 1909-0424.
Chrysichthys filamentosus Boulenger, 1912b: 19, pl. 18 (fig. 2). Type locality: Chiloango ville, Loango à N'Kutu, Luali à Lundo et Buco Zau, Lebuzi à Kuka Muno. Syntypes: BMNH 1912.4.1.440 (1), BMNH 1912.4.1.441 (1), BMNH 1912.4.1.442–443 (2), BMNH 1912.4.1.444 (1), BMNH 1912.4.1.445–446 (2), MRAC 1668–69 (2), MRAC 1670 (1), ZMB 8820 (1).
Chrysichthys longifilis Pfaff, 1933: 289, figs. 5–6. Type locality: Kabara. Holotype (29.2 cm): ZMUC P 28668.
Distribution: Nile, Niger, Volta, Senegal rivers, Lake Chad basin, and coastal rivers of western Africa, from Liberia to Angola (Risch, 1986).
Remarks: The name *Bagrus auratus* in Hyrtl (1859: 17) is sometimes treated as an available name but is more likely intended as a reference to this species.

Chrysichthys bocagii Boulenger, 1910

Chrysichthys bocagii Boulenger, 1910: 557. Type locality: Bengo River at Dondo, Angola. Syntypes (2): BMNH 1911.6.1.114–115 (2).
Distribution: Bengo River, Angola (Risch, 1986).

Chrysichthys brachynema Boulenger, 1900

Chrysichthys brachynema Boulenger, 1900c: 480. Type locality: Kalambo [Lake Tanganyika]. Syntype or lectotype: BMNH 1906.9.6.33 [see Remarks].
Chrysichthys myriodon Boulenger, 1900a: 139, pl. 51. Type locality: Albertville, Tembwi [Lake Tanganyika]. Syntypes: BMNH 1906.9.6.27 (1), BMNH 1906.9.6.28–31 (4), BMNH 1906.9.6.32 (1, skeleton), MRAC 325 (1).
Distribution: Lake Tanganyika (Risch, 1986).
Remarks: Risch (1986: 15) and Eschmeyer *et al.* (1998) stated that a lectotype was designated for *Chrysichthys*

brachynema Boulenger, but neither indicated the source of that designation and I have not found an explicit lectotype designation; it may have been inadvertently designated by Risch (1986). The publication date for Boulenger (1900c) was reported as 1 Nov. 1900, while that of Boulenger (1900a) was December, 1900, which gives *Chrysichthys brachynema* priority.

Chrysichthys brevibarbis (Boulenger, 1899)

Chrysobagrus brevibarbis Boulenger, 1899a: 40, pl. 21 (fig. 1). Type locality: Boma. Holotype: MRAC 16.

Distribution: Congo River basin, below Stanley Falls (Risch, 1986).

Chrysichthys cranchii (Leach, 1818)

Pimelodus Cranchii Leach, in Tuckey, 1818: 409. Type locality: Lower Zaire. Holotype: BMNH 2005.5.17.4.

Chrysichthys börressoni Lönnberg, 1924: 620. Type locality: Lubosi river, a tributary to Luala river, Lower Congo. Holotype: NRM 9942.

Distribution: Lualaba River system, Congo basin (Risch, 1986).

Chrysichthys dagei Risch, 1992

Chrysichthys dagei Risch, 1992a: 152, fig. 1. Type locality: Riv. Nanga entre Mboukoumassi et le lac Nanga, Congo (04°15'S, 11°48'E). Holotype: MRAC 90-57-P-1273.

Distribution: Nanga River and tributaries, Congo (Risch, 1992a).

Chrysichthys delhezi Boulenger, 1899

Chrysichthys delhezi Boulenger, 1899b: 108, pl. 42 (fig. 2). Type locality: Boma. Lectotype: MRAC 952 (1) or MRAC 953 (1). Boulenger (1911: 225, fig. 262) illustrated a specimen and referred to it as the type, from the MRAC collection. If identifiable, that specimen is the lectotype of the species. If the illustrated specimen cannot be identified, the two specimens listed above, plus BMNH 1899.6.27.49 (1), are syntypes.

? *Chrysichthys delhezi thomasi* Chabanaud, 1934: 209. Type locality: Congo. Syntypes: MNHN 1937-0074 (1), MNHN 1937-0075 (1).

Distribution: Lower Congo River system (Risch, 1986).

Chrysichthys duttoni Boulenger, 1905

Chrysichthys Duttoni Boulenger, 1905a: 641. Type locality: Lusambo, on the Kasai River. Holotype: MRAC 1342.

Distribution: Lualaba River system, Congo basin (Risch, 1986).

Chrysichthys furcatus Günther, 1864

Chrysichthys furcatus Günther, 1864: 430. Type locality: West Africa. Holotype: BMNH 1864.7.22.1.

Distribution: Coastal rivers of west Africa, from Liberia to Cabinda, Angola (Risch, 1986).

Chrysichthys grandis Boulenger, 1917

Chrysichthys grandis Boulenger, 1917b: 367. Type locality: Kilewa Bay [Lake Tanganyika]. Holotype: MRAC 14347.

Distribution: Lake Tanganyika (Risch, 1986).

Chrysichthys graueri Steindachner, 1911

Chrysichthys graueri Steindachner, 1911c: 529. Type locality: Tanganyika, am Ende des nordwestlichen Ufers. Syntypes: NMW 47106 (1), NMW 47107 (1). Species illustrated and described in more detail in Steindachner (1911e: 1178, pl. 3).

Distribution: Lake Tanganyika (Risch, 1986).

Chrysichthys habereri Steindachner, 1912

Chrysichthys habereri Steindachner, 1912: 445. Type locality: Dscha, Nebenfluss des Kongo, im Bezirke Molundu. Holotype: NMW 47108. Species also described as new and illustrated in Steindachner (1913: 32, fig. 8 and pl. 4).

Distribution: Congo River system, below Stanley Falls (Risch, 1986).

Chrysichthys helicophagus Roberts & Stewart, 1976

Chrysichthys helicophagus Roberts & Stewart, 1976: 276, pl. 6 (fig. e). Type locality: Near Tadi, about 50 km downstream from Luozi. Lat. 5°14'S, Long. 13°56'E; lower Zaïre or Congo River. Holotype: MCZ 50292.

Distribution: Lower Congo River, below Malebo Pool (Risch, 1986).

Chrysichthys johnelsi Daget, 1959

Chrysichthys johnelsi Daget, 1959: 691, fig. 2. Type locality: Gambie à Bafoulabé (parc national du Niokolo-Koba).

Syntypes (3): MNHN 1959-0146 (2) plus specimen described in Johnels (1954: 386), now NRM 13899.

Distribution: Rivers of the upper Guinea region, including the Geba, Taja, Moa, Mano, Loffa, St. Pauls, St. Johns, Nipoué and Tano rivers (Risch, 1986).

Remarks: Redescribed, with comments on relationships and zoogeography, by Risch & Thys van den Audenaerde (1985a).

Chrysichthys laticeps Pellegrin, 1932

Chrysichthys laticeps Pellegrin, 1932: 166. Type locality: Congo, près de Brazzaville. Holotype: MNHN 1931-0159 (but listed as 0158 in the publication).

Distribution: Congo River system (Risch, 1986).

Chrysichthys levequei Risch, 1988

Chrysichthys levequei Risch, 1988: 3, fig. 1. Type locality: du Samou, (bassin du Konkouré) en Guinée. Holotype: MNHN 1986-0563.

Distribution: Konkouré River basin, Guinea (Risch, 1988).

Chrysichthys longibarbis (Boulenger, 1899)

Chrysobagrus longibarbis Boulenger, 1899a: 41, pl. 21 (fig. 2). Type locality: Léopoldville. Syntypes: BMNH 1899.2.20.18 (1), MRAC 108 (1).

Distribution: Congo River basin, below Stanley Falls (Risch, 1986).

Chrysichthys longidorsalis Risch & Thys van den Audenaerde, 1981

Gephyroglanis velifer Thys van den Audenaerde, 1965a: 265, fig. 1. Type locality: Ekongolo, Cameroon. Holotype: MRAC 153158. Preoccupied in *Chrysichthys* by *Chrysichthys velifer* Norman, 1923; replaced by *Chrysichthys longidorsalis* Risch & Thys van den Audenaerde, 1981.

Chrysichthys longidorsalis Risch & Thys van den Audenaerde, 1981: 247. Type locality: Ekongolo. Holotype: MRAC 153158. Replacement for *Gephyroglanis velifer* Thys van den Audenaerde, 1965, preoccupied in *Chrysichthys* by *Chrysichthys velifer* Norman, 1923 (a junior synonym of *Chrysichthys maurus*).

Distribution: Nyong River (Risch & Thys van den Audenaerde, 1985b), Middle Sanaga River, Cameroon (Risch, 1986).

Chrysichthys longipinnis (Boulenger, 1899)

Gephyroglanis longipinnis Boulenger, 1899b: 109, pl. 41 (fig. 4). Type locality: Dolo, Stanley Pool [Congo River]. Lectotype: MRAC 958, designated by Risch (1981: 510).

Gephyroglanis gigas Pellegrin, 1922d: 278. Type locality: Kwamouth. Holotype: MRAC 14771.

Chrysichthys magnus Pellegrin, 1922d: 276. Type locality: Kwamouth. Syntypes (4): MRAC 14766 (1), MRAC 14767 (1), MRAC 14768–69 (2).

Distribution: Congo-Lualaba River system (Risch, 1986).

Chrysichthys mabusi Boulenger, 1905

Chrysichthys mabusi Boulenger, 1905b: 645. Type locality: Lake Bangwelo. Holotype: BMNH 1905.11.10.9.

Distribution: Congo-Lualaba River system, above Stanley Falls (Risch, 1986).

Chrysichthys macropterus Boulenger, 1920

Chrysichthys macropterus Boulenger, 1920a: 27, pl. 24. Type locality: Stanley Falls, ... d'Avakubi sur Ituri, et ... Bafwasende sur la Lindi; Congo Belge. Syntypes (6): BMNH 1919.9.10.252 (1), BMNH 1919.9.10.253 (1), MRAC 7118 (1), MRAC 7577 (1), MRAC 7578 (1).

Distribution: Congo River basin (Risch, 1986).

† ***Chrysichthys macrotis*** Van Neer, 1994

† *Chrysichthys macrotis* Van Neer, 1994: 100, text figs. 3–5, pl. 3 (fig. 1). Type locality: Nkondo-Kaiso area, Knondo Formation, Albertine Rift Valley. Holotype: [apparently at MRAC] NK 1365'89 (neurocranium).

Distribution: Nkondo-Kaiso area, Lake Albert Rift, Uganda; Pliocene, Nkondo Formation (Van Neer, 1994; Murray & Budney, 2003).

Remarks: Considered to be a member of the Claroteidae by Gayet & Meunier (2003).

† ***Chrysichthys mahengeensis*** Murray & Budney, 2003

† *Chrysichthys mahengeensis* Murray & Budney, 2003: 985, fig. 1. Type locality: Mahenge, Singida Plateau, Tanzania, 4°47'38"S, 34°15'28"E, about 53 km west of the town of Singida; Eocene. Holotype: National Museum of

Tanzania WM 386/96.

Distribution: Known only from type locality.

Chrysichthys maurus (Valenciennes, 1840)

Bagrus maurus Valenciennes, in Cuvier & Valenciennes, 1840a: 431 (319 of Strasbourg deluxe edition). Type locality: Sénégal. Holotype: MNHN 0000-1198.

Gephyroglanis lowei Norman, 1923b: 582. Type locality: Bandama River. Holotype: BMNH 1923.3.2.40.

Chrysichthys velifer Norman, 1923b: 582. Type locality: Bandama River. Holotype: BMNH 1923.3.2.41.

Distribution: West Africa (Risch, 1986).

Chrysichthys nigrodigitatus (La Cepède, 1803)

Pimelodus nigrodigitatus La Cepède, 1803: 95, 103. Type locality: [No locality stated; Senegal, according to Risch, 1986]. Holotype: MNHN 0000-0108.

Arius acutivelis Valenciennes, in Cuvier & Valenciennes, 1840b: 85 (64 of Strasbourg deluxe edition). Type locality: Gorée, ... haut Sénégal. Syntypes: MNHN a-8968 (2) and possibly MNHN 0000-0108.

Chrysichthys acutirostris Günther, 1864: 431. Type locality: Golungo Alto, Angola. Holotype: BMNH 1864.7.13.41.

Chrysichthys Büttikoferi Steindachner, 1894: 60, pl. 3 (fig. 1). Type locality: Fischermann-See [Liberia]. Holotype: RMNH 5341; figured by Boeseman (1963: pl. 1, fig. 2).

Chrysichthys camaronensis Günther, 1899: 729, pl. 44. Type locality: Camaroons. Holotype: BMNH 1871.11.20.21. As *Chrysichthys camaronensis* in text (p. 729, 732) and *Chrysichthys cameronensis* on plate; first reviser may be Eschmeyer *et al.* (1998).

Chrysichthys ogowensis Günther, 1899: 723, fig. 5. Type locality: Kondo-Kondo, on the Ogowe River [Gabon]. Holotype: BMNH 1896.5.5.66.

Distribution: West Africa from Senegal to Cabinda, Angola (Risch, 1986).

Remarks: See Adépo-Gourène *et al.* (1997) for population differentiation.

Chrysichthys nyongensis Risch & Thys van den Audenaerde, 1985

Chrysichthys longidorsalis nyongensis Risch & Thys van den Audenaerde, 1985: 91. Type locality: Ebongo, Akonolinga et en amont des chutes, 12 km SE d'Esaka. Holotype: MRAC 73-29-P-1404 [or 1407].

Distribution: Nyong River, Cameroon (Risch, 1986).

Remarks: Risch (1986) reported catalog number of the holotype as MRAC 73-29-P-1404, but Eschmeyer *et al.* (1998) listed MRAC 73-29-P-1407 as holotype, with -1404 as a paratype.

Chrysichthys ogoensis (Pellegrin, 1900)

Gephyroglanis ogoensis Pellegrin, 1900: 180. Type locality: Adouma (Ogôoué). Holotype: MNHN 1886-0422.

Gephyroglanis ogoensis Boulenger, 1901a: 227. Type locality: Adouma (Ogôoué). Holotype: MNHN 1886-0422. Unjustified emendation or misspelling of *Gephyroglanis ogoensis* Pellegrin, 1900.

Distribution: Ogowe-Nyanga River basin, Gabon (Risch, 1986).

Remarks: Redescribed as *Gephyroglanis ogoensis* in Risch (1985a).

Chrysichthys okae Fowler, 1949

Chrysichthys okae Fowler, 1949: 261, figs. 53–58. Type locality: Oka, Congo system. Holotype: ANSP 71909.

Distribution: Central Congo basin, in tributary streams (Risch, 1986).

Chrysichthys ornatus Boulenger, 1902

Chrysichthys ornatus Boulenger, 1902d: 39, pl. 11 (fig. 2). Type locality: l'Ubangi à Banzyville [et] Monsembé, Haut Congo. Syntypes (4): BMNH 1901.12.21.48–50 (3), MRAC 1174 (1).

Distribution: Congo River, below Stanley Falls (Risch, 1986).

Chrysichthys persimilis Günther, 1899

Chrysichthys persimilis Günther, 1899: 727, pl. 43; fig. 7. Type locality: Gaboon. Holotype: BMNH 1867.5.22.1.

Distribution: Gabon, Congo (Risch, 1986).

Remarks: Treated in Paugy & Bénech (1989: 302) as a synonym of *Chrysichthys auratus* (Geoffroy Saint-Hilaire, 1809).

Chrysichthys platycephalus Worthington & Ricardo, 1937

Chrysichthys platycephalus Worthington & Ricardo, 1937: 1092, fig. 6. Type locality: Mpulungu-Niamkolo and the

estuary of the Ngere River, Lake Tanganyika basin. Syntypes (38): BMNH 1936.6.15.849–852 (4), BMNH 1936.6.15.853–856 (4), BMNH 1936.6.15.857–878 (22).

Distribution: Lake Tanganyika (Risch, 1986).

Chrysichthys polli Risch, 1987

Chrysichthys polli Risch, 1987: 25, fig. 2. Type locality: Yelelola (falls). Lower Zaire (5°43'S, 13°34'E). Holotype: MRAC 47814.

Distribution: Lower Congo River basin (Risch, 1987).

Chrysichthys punctatus Boulenger, 1899

Chrysichthys punctatus Boulenger, 1899b: 107, pl. 42 (fig. 1). Type locality: Stanley Pool and Kutu. Syntypes (9): BMNH 1899.11.27.25–26 (2), MRAC 950 (1), MRAC 951 (1).

Distribution: Congo River system below Stanley Falls (Risch, 1986).

Chrysichthys rueppelli Boulenger, 1907

Chrysichthys rueppelli Boulenger, 1907a: 337, pl. 60 (fig. 2). Type locality: Lower Nile and freshwater pools near Ghet-el-Nassara, Lake Menzaleh. Syntypes (4): BMNH 1850.7.29.17 (1), BMNH 1907.12.2.2131–2132 (2).

Distribution: Nile River (Risch, 1986).

Chrysichthys sharpii Boulenger, 1901

Chrysichthys Sharpii Boulenger, 1901b: 81. Type locality: Lake Mweru. Holotype: BMNH 1900.12.31.14 (dry skin).

Distribution: Lake Mweru, Congo Basin; known only from holotype (Risch, 1986).

Chrysichthys sianenna Boulenger, 1906

Chrysichthys sianenna Boulenger, 1906f: 551, pl. 32 (fig. 2). Type locality: Niamkolo and Mbeté [Lake Tanganyika]. Syntypes (3): BMNH 1906.9.8.65–66 (2), BMNH 1906.9.8.67 (1).

Distribution: Lake Tanganyika (Risch, 1986).

Chrysichthys stappersii Boulenger, 1917

Chrysichthys stappersii Boulenger, 1917b: 366. Type locality: Kilewa Bay [Lake Tanganyika]. Holotype: MRAC 14236; illustrated in Poll (1946: 211, figs. 18, 19).

Distribution: Lake Tanganyika (Risch, 1986).

Chrysichthys teugelsi Risch, 1987

Chrysichthys teugelsi Risch, 1987: 22, fig. 1. Type locality: Cavally River at Tai (5°52'N, 7°27'W), Ivory Coast. Holotype: MRAC 80-19-P-189.

Distribution: Cavally River, Côte d'Ivoire (Risch, 1987).

Chrysichthys thonneri Steindachner, 1912

Chrysichthys thonneri Steindachner, 1912: 446. Type locality: Dschaflusse und oberen Kongo. Syntypes (3): NMW 10643 (1), NMW 10645 (1). Illustrated and described in more detail in Steindachner (1913: 33, fig. 9 and pl. 5).

Distribution: Congo-Lualaba River system (Risch, 1986).

Chrysichthys thysi Risch, 1985

Chrysichthys thysi Risch, 1985b: 189, figs. 5–6. Type locality: Makokou, riv. Ivindo. Holotype: MRAC 73-2-P-1791.

Distribution: Ogowe-Nyanga River basin, Gabon (Risch, 1986).

Chrysichthys uniformis Pellegrin, 1922

Chrysichthys uniformis Pellegrin, 1922d: 277. Type locality: Poko (Uelé). Holotype: MRAC 7477.

Distribution: Congo, known only from holotype (Risch, 1986).

Chrysichthys wagnaari Boulenger, 1899

Chrysichthys wagnaari Boulenger, 1899a: 39, pl. 20 (fig. 1). Type locality: Upoto [Congo basin]. Holotype: MRAC 147.

Distribution: Ubangi River and Middle Congo River system below Stanley Falls (Risch, 1986).

Chrysichthys walkeri Günther, 1899

Chrysichthys walkeri Günther, 1899: 720, fig. 3. Type locality: River Prah, Gold Coast. Syntypes (3): BMNH 1899.12.22.20–22 (3).

Distribution: Western Africa, from Ghana to Cabinda, Angola (Risch, 1986).

Species inquirendae, Chrysichthys

Chrysichthys coriscanus Günther, 1899: 724. Type locality: Corisco Isld. [Equatorial Guinea]. Syntypes (2): BMNH 1896.5.5.64–65 (2). Treated in recent literature as a synonym of either *Chrysichthys auratus* or *Chrysichthys nigrodigitatus*.

Chrysichthys kingsleyae Günther, 1899: 728, pl. 45 (fig. a); fig. 8. Type locality: River Ogowe. Holotype: BMNH 1899.12.23.1. Treated in recent literature either as a synonym of *Chrysichthys walkeri* Günther, 1899 (Risch, 1986: 27) or *Chrysichthys auratus* (Geoffroy Saint-Hilaire, 1809) (Paugy & Bénech 1989: 302).

Chrysichthys lagoensis Günther, 1899: 725, fig. 6. Type locality: Lagos. Holotype: BMNH 1866.3.8.16. Treated as synonym of *Chrysichthys nigrodigitatus* or *Chrysichthys maurus*.

CLAROTES Kner, 1855

Clarotes Kner, 1855b: 313. Type species: *Clarotes heuglini* Kner, 1855. Type by monotypy. Gender: Masculine.

Gonocephalus Kner, 1855b: 313. Type species: *Clarotes heuglini* Kner, 1855. Type by monotypy. Gender: Masculine. Alternate new name for *Clarotes*. Preoccupied by *Gonocephalus* Kaup, 1825, in Reptilia.

Octonematischthys Bleeker, 1858b: 60, 65. Type species: *Bagrus nigrata* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

Clarotes bidorsalis Pellegrin, 1938

Clarotes bidorsalis Pellegrin, 1938b: 220, fig. on p. 221. Type locality: Giuba [Somalia]. Holotype: MNHN 1938-0139.

Distribution: Juba River, Somalia (Risch, 1986).

Clarotes laticeps (Rüppell, 1829)

Pimelodus laticeps Rüppell, 1829: 7, pl. 1 (fig. 2). Type locality: Cairo. Holotype: SMF 226.

Bagrus nigrata Valenciennes, in Cuvier & Valenciennes, 1840a: 426 (316 of Strasbourg deluxe edition), pl. 416. Type locality: Sénégal. Syntypes: MNHN 0000-1204 (1), MNHN a-1113 (2).

Clarotes heuglini Kner, 1855b: 313, pls. 1–2. Type locality: bei Girf in der Nahe von Chartoum [Sudan]. Holotype: at NMW.

Chrysichthys macropogon Norman, 1928b: 385. Type locality: Kiyawa River (near Katagum), Northern Provinces, Nigeria. Holotype: BMNH 1928.7.3.70.

Chrysichthys pitmani Fowler, 1936b: 312, figs. 97–100. Type locality: Athi River Crossing 16 miles north-northeast of Kibwezi, Kenya Colony. Holotype: ANSP 65888.

Distribution: East Africa, Nile, Niger and Senegal Rivers; Lake Chad (Risch, 1986).

Clarotes macrocephalus Daget, 1954

Clarotes macrocephalus Daget, 1954: 257, fig. 95. Type locality: Diafarabé [Niger River]. Syntypes (10): MNHN 1954-0003 (1).

Distribution: Niger, Volta and Senegal Rivers (Risch, 1986).

Remarks: MNHN 1954-0003 is listed in MNHN catalog as a holotype.

† **EAGLESOMIA** White, 1934

† *Eaglesomia* White, 1934: 70. Type species: † *Chrysichthys eaglesomei* White, 1926, by original designation. Gender: Feminine.

Remarks: Included in the Claroteidae in Gayet & Meunier (2003).

† ***Eaglesomia eaglesomei*** (White, 1926)

† *Chrysichthys eaglesomei* White, 1926: 59, pls. 14–15. Type locality: Ameki, Nigeria, Eocene. Holotype: BMNH P.11944–11946 (posterior half of skull with anterior vertebral complex).

Remarks: Redescribed in White (1934: 70, pl. 8, 9, pl. 10, fig. 28).

GEPHYROGLANIS Boulenger, 1899

Gephyroglanis Boulenger, 1899a:42. Type species: *Gephyroglanis congicus* Boulenger, 1899. Type by monotypy.

Gender: Masculine.

Gephyroglanis congicus Boulenger, 1899

Gephyroglanis congicus Boulenger, 1899a: 42, pl. 20 (fig. 2). Type locality: Upoto [Congo basin]. Holotype: MRAC 146.

Distribution: Congo-Lualaba River system (Risch, 1986).

Gephyroglanis gymnorhynchus Pappenheim, 1914

Gephyroglanis gymnorhynchus Pappenheim, in Pappenheim & Boulenger, 1914: 248, pl. 4 (fig. 6). Type locality: Aruwimi bei Basoko. Holotype: ZMB 19092.

Distribution: Aruwimi River and Port Congo (Risch, 1986).

Gephyroglanis habereri Steindachner, 1912

Gephyroglanis habereri Steindachner, 1912: 449. Type locality: Dscha, Nebenflüsse des Kongo, im Bezirke Molundu. Holotype: NMW 46570. Species illustrated and described in more detail in Steindachner (1913: 36, pl. 6).

Distribution: Congo River; known only from holotype (Risch, 1986).

GNATHOBAGRUS Nichols & Griscom, 1917

Gnathobagrus Nichols & Griscom, 1917: 711. Type species: *Gnathobagrus depressus* Nichols & Griscom, 1917. Type by monotypy. Gender: Masculine.

Gnathobagrus depressus Nichols & Griscom, 1917

Gnathobagrus depressus Nichols & Griscom, 1917: 712, fig. 21. Type locality: Boma, Congo. Holotype: AMNH 6647.

Distribution: Congo River at Boma; known only from type locality (Risch, 1986).

LIAUCHENOGLANIS Boulenger, 1916

Liauchenoglanis Boulenger, 1916: 314. Type species: *Liauchenoglanis maculatus* Boulenger, 1916. Type by monotypy. Gender: Masculine.

Remarks: Treated in recent literature as valid or as a synonym of *Notoglanidium*.

Liauchenoglanis maculatus Boulenger, 1916

Liauchenoglanis maculatus Boulenger, 1916: 314, fig. 186. Type locality: N. Sherbo dist., Sierra Leone. Syntypes: BMNH 1915.5.19.9–12 (4).

Distribution: Sierra Leone (Risch, 1986).

Remarks: Also treated in recent literature as *Notoglanidium maculatus* [sic, *N. maculatum*].

LOPHIOBAGRUS Poll, 1942

Lophiobagrus Poll, 1942b: 318. Type species: *Lophiobagrus lestradei* Poll, 1942. Type by monotypy. Gender: Masculine.

Lophiobagrus aquilus Bailey & Stewart, 1984

Lophiobagrus aquilus Bailey & Stewart, 1984: 24, figs. 5b, 6b, 8. Type locality: Lake Tanganyika. Holotype: UMMZ 199928.

Distribution: Lake Tanganyika; known only from type series (Risch, 1986).

Lophiobagrus asperispinis Bailey & Stewart, 1984

Lophiobagrus asperispinis Bailey & Stewart, 1984: 33, figs. 6d, 9. Type locality: Lake Tanganyika. Holotype: MRAC 14359A.

Distribution: Lake Tanganyika (Risch, 1986).

Lophiobagrus brevispinis Bailey & Stewart, 1984

Lophiobagrus brevispinis Bailey & Stewart, 1984: 35, figs. 5c, 6c, 10. Type locality: Lake Tanganyika. Holotype: UMMZ 199930.

Distribution: Lake Tanganyika (Risch, 1986).

Lophiobagrus cyclurus (Worthington & Ricardo, 1937)

Chrysichthys cyclurus Worthington & Ricardo, 1937: 1093, fig. 7. Type locality: Lake Tanganyika. Lectotype: BMNH 1936.6.15.879 (49 mm SL), designated by Bailey & Stewart (1984: 20).

Lophiobagrus lestradei Poll, 1942b: 320, fig. on p. 321. Type locality: Nyanza, Lake Tanganyika. Holotype: MRAC 54924.

Distribution: Lake Tanganyika (Risch, 1986).

NOTOGLANIDIUM Günther, 1903

Notoglanidium Günther, 1903: 336. Type species: *Notoglanidium walkeri* Günther, 1903. Type by monotypy. Gender: Neuter.

Notoglanidium pallidum Roberts & Stewart, 1976

Notoglanidium pallidum Roberts & Stewart, 1976: 276, pl. 7 (figs. a–c). Type locality: Near Bulu, about 15 km downstream from Luozi. Lat. 5°01'S, Long. 14°01'E; lower Zaïre or Congo River. Holotype: MCZ 50236.

Distribution: Lower Zaïre (Risch, 1986).

Notoglanidium thomasi Boulenger, 1916

Notoglanidium thomasi Boulenger, 1916: 313, fig. 185. Type locality: Victoria and Pujehun [Sierra Leone]. Syntypes: BMNH 1915.5.21.10 (1), BMNH 1915.5.27.3–4 (2).

Distribution: Sierra Leone (Risch, 1986).

Notoglanidium walkeri Günther, 1903

Notoglanidium walkeri Günther, 1903: 337, pl. 32. Type locality: River Ibbi [Ghana]. Syntypes (2): BMNH 1903.4.24.78–79 (2).

Distribution: Ghana and Côte d'Ivoire (Risch, 1986).

PARAUCHENOGLANIS Boulenger, 1911

Parauchenoglanis Boulenger, 1911a: 364. Type species: *Pimelodus guttatus* Lönnberg, 1895. Type by subsequent designation by Jordan (1920: 538). Gender: Masculine.

Remarks: Included species follows Teugels *et al.* (1991); species synonymies follow Risch (1986).

Revision: Geerinckx *et al.* (2004), with key to species.

Parauchenoglanis ahli (Holly, 1930)

Auchenoglanis ahli Holly, 1930: 201, pl. 1 (fig. 9). Type locality: Gebirchsbache von Bakoko, Kamerun. Syntypes: NMW 13895–99 (5); syntype illustrated in Geerinckx *et al.* (2004: 787, fig. 8i).

Distribution: Cross River basin, western Cameroon (Geerinckx *et al.*, 2004; known only from types).

Parauchenoglanis altipinnis (Boulenger, 1911)

Auchenoglanis altipinnis Boulenger, 1911e: 372, fig. 288. Type locality: Ja River at Esamesa, Cameroon. Holotype: BMNH 1911.5.30.30; illustrated in Geerinckx *et al.* (2004: 787, fig. 8d).

Distribution: Congo, Nyong, Ogowe and Chiloango River basins (Geerinckx *et al.*, 2004: 798).

Parauchenoglanis balayi (Sauvage, 1879)

Pimelodus Balayi Sauvage, 1879: 98. Type locality: Lopé [Ogôoué River]. Holotype: MNHN a-0898. Described in more detail in Sauvage (1880c: 44).

Pimelodus Guirali Thomillot, 1886: 162. Type locality: [Not stated; as Rivière San Benito in MNHN catalog]. Holotype: MNHN 1885-0427; illustrated in Geerinckx *et al.* (2004: 787, fig. 8a).

Auchenoglanis ballayi Boulenger, 1901: 295. Type locality: Lopé [Ogôoué River]. Holotype: MNHN a-0898. Incorrect subsequent spelling or unjustified emendation of *Pimelodus balayi* Sauvage, 1879.

Auchenoglanis pulcher Boulenger, 1902g: 267, pl. 29 (figs. 2–2a). Type locality: Lindi River, which flows into the Congo at the Stanley Falls. Syntypes (several): BMNH 1902.4.14.19–20 (2), IRSNB 10 (2), MSNM 35 (1).

Auchenoglanis ubangensis Boulenger, 1902d: 41, pl. 11 (fig. 3). Type locality: l'Ubangi à Banzyville. Holotype: MRAC 1215.

Auchenoglanis ballayi gravoti Pellegrin, 1907b: 321. Type locality: N'Tem, Cameroun. Syntypes: MNHN 1907-0158 (1), MNHN 1907-0159 (1), MNHN 1907-0160 (1). Originally proposed as *Auchenoglanis ballayi* var. *gravoti*.

Auchenoglanis pietschmanni Holly, 1926: 158. Type locality: Bamfluss, Flußgebiet des Sanaga in Kamerun. Syntypes (5): NMW 7802 (1), NMW 7803 (1), NMW 7804 (1), NMW 78025 (1), NMW 7806 (1). Illustrated and described in more detail in Holly (1927b: 208, fig. 3).

Distribution: Rivers of South Cameroon, Gabon and Congo (Geerinckx *et al.*, 2004: 791).

Parauchenoglanis buettikoferi (Popta, 1913)

Auchenoglanis büttikoferi Popta, 1913: 237, pl. 10. Type locality: Warri, in Upper Nigeria. Holotype: RMNH 8860; illustrated in Geerinckx *et al.* (2004: 787, fig. 8g).

Distribution: Upper Nigeria; known only from the holotype (Risch, 1986; Geerinckx *et al.*, 2004).

Parauchenoglanis longiceps (Boulenger, 1913)

Auchenoglanis longiceps Boulenger, 1913: 68. Type locality: Nyong River, S. Cameroon. Holotype: BMNH 1913.10.29.12.

Auchenoglanis maculosus Holly, 1927b: 211, fig. 4. Type locality: Kamerun. Syntypes: NMW 7800 (1), NMW 7801 (1).

Distribution: Nyong River, central and southern Cameroon (Geerinckx *et al.*, 2004: 800).

Parauchenoglanis monkei (Keilback, 1910)

Pimelodus guttatus Lönnberg, 1895: 184. Type locality: river N'Dian [Cameroon]. Syntypes: NRM (2, apparently lost), ZMUU 567 (2). One syntype illustrated in Teugels *et al.* (1991: 502, fig. 1). Preoccupied by *Pimelodus guttatus* La Cepède, 1803; replaced by *Parauchenoglanis loennbergi* Fowler, 1958.

Auchenoglanis monkei Keilhack, 1910: 120. Type locality: in einem Kleinen Bache im Urwald 2 km südlich von Logobaba (4°2'N, 9°45'Ö), Kamerun. Syntypes (3): ZMB 17771 (1), ZMB 21318 (2).

Parauchenoglanis loennbergi Fowler, 1958: 14. Type locality: river N'Dian [Cameroon]. Syntypes: NRM (2, lost?), ZMUU 567 (2). Replacement name for *Pimelodus guttatus* Lönnberg, 1895, preoccupied by *Pimelodus guttatus* La Cepède, 1803.

Auchenoglanis fasciatus Gras, 1961: 404, fig. 2. Type locality: Bokoutou, Bas-Dahomey. Syntypes (2): MNHN 1960-0392 (2); one syntype illustrated in Geerinckx *et al.* (2004: 787, fig. 8b).

Distribution: Ouémé River, Benin, to the Sanaga River, Cameroon (Geerinckx *et al.*, 2004 [as *Parauchenoglanis guttatus*]).

Parauchenoglanis ngamensis (Boulenger, 1911)

Auchenoglanis ngamensis Boulenger, 1911a: 371, fig. 287. Type locality: Okovango River. Holotype: BMNH 1910.5.31.35; illustrated in Geerinckx *et al.* (2004: 787, fig. 8e).

Distribution: Okavango and upper Zambezi basins, Kasai River, Congo River basin (Skelton, 1993; Geerinckx *et al.*, 2004).

Remarks: First transferred into *Parauchenoglanis* by Skelton (1993).

Parauchenoglanis pantherinus (Pellegrin, 1929)

Auchenoglanis pantherinus Pellegrin, 1929b: 363. Type locality: Nyabessan (Ntem), Cameroun. Syntypes (4): MNHN 1929-0029 (1), MNHN 1929-0030 (1), MNHN 1929-0031 (2).

Distribution: Ntem River, Cameroon (Risch, 1986; Geerinckx *et al.*, 2004: 801).

Parauchenoglanis punctatus (Boulenger, 1902)

Auchenoglanis punctatus Boulenger, 1902g: 267, pl. 29 (figs. 1–1a). Type locality: Lindi River, which flows into the Congo at the Stanley Falls. Holotype: IRSNB 9.

Auchenoglanis iturii Steindachner, 1911b: 530. Type locality: Aus dem Ituriflöss bei Mawambi. Syntypes: NMW 47474 (1), NMW 47475 (1), NMW 47476 (1); NMW 47475 illustrated in Geerinckx *et al.* (2004: 787, fig. 8c). Species described in more detail in Steindachner (1911e: 1185).

Auchenoglanis grandis Fowler, 1936b: 312, fig. 96. Type locality: Nola, Middle Congo. Holotype: ANSP 66125.

Distribution: lower and central Congo River system; San Benito and Ogowe River basins (Geerinckx *et al.*, 2004: 796).

PARDIGLANIS Poll, Lanza & Romoli Sassi, 1972

Pardiglanis Poll, Lanza & Romoli Sassi, 1972: 330. Type species: *Pardiglanis tarabinii* Poll, Lanza & Romoli Sassi, 1972. Type by original designation. Gender: Masculine.

Pardiglanis tarabinii Poll, Lanza & Romoli Sassi, 1972

Pardiglanis tarabinii Poll, Lanza & Romoli Sassi, 1972: 338, figs. 1–7. Type locality: Gelib, fleuve Juba, Somalie méridionale. Holotype: MZUF 1579.

Distribution: Juba River, Somalia (Risch, 1986).

Remarks: See De Vos (2001b) for comments on this species.

PHYLLONEMUS Boulenger, 1906

Phyllonemus Boulenger, 1906f: 552. Type species: *Phyllonemus typus* Boulenger, 1906. Type by original designation. Gender: Masculine.

Phyllonemus brichardi Risch, 1987

Phyllonemus brichardi Risch, 1987: 29, fig. 3. Type locality: Ubwari, face est, lac Tanganyika (Zaire). Holotype: MRAC 83-19-P-14.

Distribution: Lake Tanganyika (Risch, 1987).

Phyllonemus filinemus Worthington & Ricardo, 1937

Phyllonemus filinemus Worthington & Ricardo, 1937: 1096, fig. 9. Type locality: Kibwesi [and] Kigoma, Lake Tanganyika. Syntypes (8): BMNH 1936.6.15.925 (8).

Distribution: Lake Tanganyika (Risch, 1986).

Phyllonemus typus Boulenger, 1906

Phyllonemus typus Boulenger, 1906f: 552, pl. 32 (fig. 3). Type locality: Niamkolo [Lake Tanganyika]. Holotype: BMNH 1906.9.8.68.

Distribution: Lake Tanganyika (Risch, 1986).

PLATYGLANIS Daget, 1979

Platyglanis Daget, 1979: 821. Type species: *Platyglanis depierrei* Daget, 1979. Type by original designation. Gender: Masculine.

Platyglanis depierrei Daget, 1979

Platyglanis depierrei Daget, 1979: 821, figs. 1–2. Type locality: Djim (affluent du Mbam lequel se jette dans la Sanaga en aval des chutes Nachtigal) aux environs du pont franchissant la rivière sur la piste qui mène de Ngila a Ngorro [Cameroon]. Holotype: MNHN 1978-0759.

Distribution: Sanaga Basin, Cameroon; known only from the type locality (Risch, 1986).

RHEOGLANIS Poll, 1966

Rheoglanis Poll, 1966: 425. Type species: *Rheoglanis dendrophorus* Poll, 1966. Type by original designation. Gender: Masculine.

Rheoglanis dendrophorus Poll, 1966

Rheoglanis dendrophorus Poll, 1966: 425, unnumbered figure. Type locality: Kinsuka, rapides du fleuve. Holotype: MRAC 153744.

Distribution: Lower Congo River, in rapids (Risch, 1986).

Species inquirendae, Claroteidae or Bagridae

Mystus fluviatilis Klein 1775 [Not seen].

Leptoglanis bouilloni Poll, 1959: 97, pl. 25 (fig. 1). Type locality: Stanley Pool. Holotype: MRAC 118507. Although originally considered an amphiliid, Roberts (2003) suggested that the holotype was a claroteid or bagrid.

CRANOGLANIDIDAE Myers, 1931

Cranoglanidae Myers, 1931: 261. Type genus: *Cranoglanis* Peters, 1881.

Taxonomic overview: Jayaram (1956b); Ng & Kottelat (2000d).

1 genus, 3 species; no named fossil taxa.

CRANOGLANIS Peters, 1881

Cranoglanis Peters, 1881b: 1030. Type species: *Cranoglanis sinensis* Peters, 1881. Type by monotypy. Gender:

Masculine.

Anopleutropius Vaillant, 1893b: 198. Type species: *Anopleutropius henrici* Vaillant, 1893. Type by monotypy. Gender: Masculine.

Pseudeutropichthys Koller, 1926: 74. Type species: *Pseudeutropichthys multiradiatus* Koller, 1926. Type by original designation. Gender: Masculine. Also appeared in Koller (1927: 28).

Remarks: Considered to be a monotypic genus by Liu *et al.* (2005), with only *Cranoglanis boudierius* as valid.

Cranoglanis boudierius (Richardson, 1846)

Bagrus boudierius Richardson, 1846: 283. Type locality: Lian Jiang, Lianzhou, Guangdong Prov., China. Neotype: ZMB 11325, designated by Ng & Kottelat (2000d: 851). Originally as ? *Bagrus* (an *Pimelodus* ?) *boudierius*. Based solely on an illustration by Reeves; which was reproduced in Jayaram (1956b: pl. 18) and Whitehead (1970: pl. 19b).

Macrones sinensis Bleeker, 1872: 153. Type locality: Lian Jiang, Guangdong Prov., Lianzhou, China. Neotype: ZMB 11325 designated by Ng & Kottelat (2000d: 851). Based originally on a painting, which was reproduced in Jayaram & Boeseman (1976: pl. 1).

Cranoglanis sinensis Peters, 1881b: 1030, [pl. 1] (fig. 1). Type locality: Lian Jiang, Lianzhou, Guangdong Prov., China. Holotype: ZMB 11325. Preoccupied in *Cranoglanis* by *Macrones sinensis* Bleeker, 1872.

Distribution: Southern China.

Cranoglanis henrici (Vaillant, 1893)

Anopleutropius henrici Vaillant, 1893b: 199. Type locality: Rivière Noir, Tonkin [Vietnam]. Syntypes: MNHN 1892-0259 (1), MNHN 1892-0260 (1).

Distribution: Red River basin, northern Vietnam and southern China (Ng & Kottelat, 2000d).

Cranoglanis multiradiatus (Koller, 1926)

Pseudeutropichthys multiradiatus Koller, 1926: 74. Type locality: Kan-Kongfluß auf Hainan [China]. Syntypes: NMW 5059–5061 (3). Also appeared as new in Koller (1927: 29, pl. 1, fig. 2).

Distribution: Hainan Island, China.

DIPLOMYSTIDAE Eigenmann, 1890

Diplomystidae Eigenmann, 1890: 14. Type genus: *Diplomystes* Bleeker, 1858.

Reviews: Azpelicueta (1994a, 1994b), Argentina; Arratia (1987) Chile.

Phylogeny: Arratia (1987).

Taxonomic summary: Ferraris (2003a).

2 genera, 6 species; no named fossil taxa.

DIPLOMYSTES Bleeker, 1858

Diplomyste Duméril, 1856: 487. Type species: *Arius papillosus* Valenciennes, 1840. Type by monotypy. Gender: Masculine. Predates *Diplomystes* Bleeker, 1858, but the latter in wide use.

Diplomystes Bleeker, 1858b: 63. Type species: *Arius papillosus* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

Diplomystax Günther, 1864: 180. Type species: *Arius papillosus* Valenciennes, 1840. Type by original designation. Gender: Masculine. Unneeded replacement for *Diplomyste* Duméril and *Diplomystes* Bleeker.

Diplomystes camposensis Arratia, 1987

Diplomystes camposensis Arratia, 1987: 44, fig. 19. Type locality: Lago Riñihue, Chile. Holotype: IZUA 3302.

Distribution: Valdivia region, southern Chile (Arratia, 1987).

Diplomystes chilensis (Molina, 1782)

Silurus chilensis Molina, 1782: 225. Type locality: Chile. Type(s): Whereabouts unknown.

Arius papillosus Valenciennes in Cuvier & Valenciennes, 1840b: 118 (88 in the Strasbourg deluxe edition), pl. 431. Type locality: Rivières de Valparaíso et de San-Jago du Chili. Syntypes: MNHN 0000-1212 (1), MNHN b-0584 (1), MNHN b-0585 (4), MNHN a-9028 (1), MNHN uncataloged (skeleton, missing).

Arius cacharioides Leybold, 1859: 1083, pls. 1–2. Type locality: Ad thermos Colina, dictas in flumine, Río Seco (Chile). Syntypes (100): Whereabouts unknown.

? *Arius micropterus* Philippi, 1866: 713. Type locality: (Chile). Type(s): Whereabouts unknown.

Arius squalus Philippi, 1866: 713. Type locality: Peine, Santiago, Chile. Type(s): Whereabouts unknown.

? *Arius synodon* Philippi, 1866: 714. Type locality: (Chile). Type(s): Whereabouts unknown.

? *Arius villosus* Philippi, 1866: 712. Type locality: (Chile). Type(s): Whereabouts unknown.

Distribution: Rivers near Valparaiso and Santiago, central Chile (Arratia 1987).

Remarks: Arratia (1987) reports the species as either extinct or endangered. The imprecise type localities of many of the names listed in the synonymy make it impossible to know whether the names belong here or with another species of *Diplomystes*.

***Diplomystes nahuelbutaensis* Arratia, 1987**

Diplomystes nahuelbutaensis Arratia, 1987: 33, fig. 11. Type locality: Río Cautín, Lautaro, Chile. Holotype: CAS 55423.

Distribution: Bío-Bío River basin and Loncomilla River, Chile (Arratia, 1987; Ruiz & Berra, 1994, with biological notes).

OLIVAICHTHYS Arratia, 1987

Olivaichthys Arratia, 1987: 66. Type species: *Diplomystes viedmensis* MacDonagh, 1931. Type by original designation. Gender: Masculine.

Key: Azpelicueta (1994a, as *Diplomystes*).

Review: Azpelicueta (1994b, as *Diplomystes*).

***Olivaichthys cuyanus* (Ringuélet, 1965)**

Diplomystes viedmensis cuyanus Ringuélet, 1965: 91. Type locality: Arroyo Yaucha (Vilucó, Mendoza) [Argentina]. Holotype: MLP 286.

Distribution: Colorado River and tributaries; Desaguadero-Salado River basin, including the rivers San Juan, Mendoza, Tunuyán and temporary environments connected to those rivers, Argentina (Azpelicueta, 1994b).

***Olivaichthys mesembrinus* (Ringuélet, 1982)**

Diplomystes viedmensis mesembrinus Ringuélet, 1982: 349, figured on p. 350. Type locality: Desembocadura del Río Senguer en el lado Musters (45°60'S, 49°10'W) [Chubut, Argentina]. Holotype: ILPLA 8452.

Distribution: Chubut and Senguer River basins, Argentina (Azpelicueta, 1994b).

Remarks: Redescribed in Azpelicueta & Gosztonyi (1998) as *Diplomystes mesembrinus*.

***Olivaichthys viedmensis* (MacDonagh, 1931)**

Diplomystes viedmensis MacDonagh, 1931: 65. Type locality: río Negro, Argentina, frente a Viedma. Holotype: MLP 214.

Distribution: South America: Negro River and tributaries in Argentina (Azpelicueta, 1994b).

DORADIDAE Bleeker, 1858

Doradini Bleeker, 1858b: 48, 52. Type genus: *Doras* La Cepède, 1803.

Remarks: The family-group names Centrochirinae, Hemidoradinae, and Lithodoradinae were proposed by Fowler (1951b: 3) in a manner that made the names available when published, but the names were rendered unavailable in 1961 by Art. 13 of the Second Edition of the Code (ICZN, 1961). The names apparently remain unavailable, despite Art. 13.2.1 of the current version of the Code (ICZN, 1999), because they were treated as unavailable in Ferraris & de Pinna (1999: 8).

Revision: Eigenmann (1925).

Review: Fernández-Yépez (1968, Venezuela).

Phylogeny: Higuchi (1992), Moyer *et al.* (2004).

Taxonomic summary: Sabaj (2002); Sabaj & Ferraris (2003).

30 genera, 77 species; no named fossil taxa.

Incertae sedis

Doras fimbriatus Kner, 1855

Doras loricatus Kner, 1853c: 146, fig. 2 on unnumbered plate. Type locality: [Not stated]. Holotype: NMW 45407–09 (1 of 4). Name made available from caption to illustration of a swimbladder; associated specimen is the holotype, if recognizable. Illustrated and described in more detail, as *Doras fimbriatus*, in Kner (1855: 134, pl. 3, fig. 5) with locality given as Rio Guaporé. Considered a *nomen oblitum* in Sabaj & Ferraris (2003).

Doras fimbriatus Kner, 1855a: 134, pl. 3 (fig. 5). Type locality: Rio Guaporé. Syntypes: NMW 45407–09 (4).

Distribution: Guaporé River basin, Bolivia and Brazil (Sabaj & Ferraris, 2003).

Remarks: Generic placement of this species unresolved (Sabaj & Ferraris, 2003).

Doras punctatus Kner, 1853

Doras (Corydoras) punctatus Kner, 1853c: 146, fig. 5 on unnumbered plate. Type locality: [Not stated]. Holotype: NMW 45434–41 (1 of 14) or RMNH 2966 (1). Name made available from caption to illustration of a swimbladder; associated specimen is the holotype, if recognizable. Illustrated and described in more detail in Kner (1855: 136, pl. 6, fig. 10), with locality given as Mato-grosso und Rio Guaporé.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

Remarks: Generic placement of this species unresolved (Sabaj & Ferraris, 2003).

Oxydoras eigenmanni Boulenger, 1895

Oxydoras eigenmanni Boulenger, 1895b: 524. Type locality: Descalvados, Matto Grosso. Syntypes: BMNH 1895.5.17.50–52 (3), BMNH 1895.5.17.53 (1); one syntype illustrated in Boulenger (1896c: pl. 4, fig. 3).

Distribution: Amazon and upper Paraguay River basins (Sabaj & Ferraris, 2003).

Remarks: Generic placement of this species unresolved (Sabaj & Ferraris, 2003).

ACANTHODORAS Bleeker, 1862

Cataphractus Edwards, in Catesby, 1771: appendix. Type species: *Silurus cataphractus* Linnaeus, 1758. Type by absolute tautonymy. Gender: Masculine. Considered a *nomen oblitum* (Sabaj & Ferraris, 2003).

Acanthodoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Silurus cataphractus* Linnaeus, 1758. Type by original designation. Gender: Masculine.

Acanthodoras cataphractus (Linnaeus, 1758)

Silurus cataphractus Linnaeus, 1758: 307. Type locality: America. Syntype: BMNH 1853.11.12.193 (1). BMNH syntype illustrated in Gronovius (1754: pl. 3, figs. 3 & 4); another syntype illustrated in Catesby (1731–1743: 19, pl. 9).

Cataphractus Americanus Bloch & Schneider, 1801: 107, pl. 28. Type locality: America, pedalis. Syntype: BMNH 1853.11.12.193 (1). BMNH syntype figured in Gronovius (1754: pl. 3, figs. 3 & 4). Unneeded new name for *Silurus cataphractus* Linnaeus.

Cataphractus americanus La Cépède, 1803: 124, 126. Type locality: dans la Caroline. Syntypes: On several literature accounts, including Catesby (1731–1743), Gronovius (1754), Bonnaterre (1788), and Gmelin (1789); only extant syntype: BMNH 1853.11.12.193 (1) illustrated in Gronovius (1754: pl. 3, figs. 3 & 4); another syntype illustrated in Catesby (1731–1743: 19, pl. 9). Name apparently proposed independently of *Cataphractus americanus* Bloch & Schneider. Type locality reported by La Cépède was based on account in Catesby.

Doras Blochii Valenciennes, in Cuvier & Valenciennes, 1840b: 277 (207 of Strasbourg deluxe edition). Type locality: [Not stated]. Syntype: BMNH 1853.11.12.193 (1) and literature sources. BMNH syntype figured in Gronovius (1754: pl. 3, figs. 3 & 4).

Callichthys asper Gronow, in Gray, 1854: 157. Type locality: Americes Meridionalis rivulis. Syntype: BMNH 1853.11.12.193 (1). BMNH syntype figured in Gronovius (1754: pl. 3, figs. 3 & 4).

Distribution: Amazon River basin and coastal drainages of French Guiana, Guyana and Suriname (Sabaj & Ferraris, 2003).

Acanthodoras depressus (Steindachner, 1881)

Doras (Rhinodoras) depressus Steindachner, 1881c: 103, pl. 1 (fig. 3). Type locality: Ausstände (Lago Alexo) am

mittleren Laufe des Amazonen-Stromes. Holotype: NMW 46870.

Distribution: Amazon and Negro River basins, Brazil (Sabaj & Ferraris, 2003).

Acanthodoras spinosissimus (Eigenmann & Eigenmann, 1888)

Doras brunnescens Jardine, in Schomburgk, 1841: 163. Type locality: Upper Essequibo [Guyana]. No types known.

Doras spinosissimus Eigenmann & Eigenmann, 1888b: 161. Type locality: Coary [Brazil]. Holotype: MCZ 7222.

Distribution: Amazon and Essequibo River basins (Sabaj & Ferraris, 2003).

Remarks: *Acanthodoras spinosissimus* treated as valid, following Sabaj & Ferraris (2003), in which *Doras brunnescens* is treated as a *nomen oblitum*.

Species inquirendae, Acanthodoras

Doras castaneo-ventris Jardine, in Schomburgk, 1841: 161, pl. 3. Type locality: river Pasawiri. No types known.

Doras polygramma Kner, 1853c: 145, fig. 1 on unnumbered plate. Type locality: [Not stated]. Holotype: NMW 46846 (99 mm SL, 1 of 2). Name made available from caption to illustration of a swimbladder; associated specimen is the holotype, if recognizable. Treated in Kner (1855: 126–127) as *Doras cataphractus*, based on specimens from “Rio Guaporé and Barra do Rio negro.”

Remarks: Catalog number for type of *Doras polygramma* incorrectly reported as NMW 46844 by Sabaj and Ferraris (2003).

AGAMYXIS Cope, 1878

Agamyxis Cope, 1878: 679. Type species: *Doras pectinifrons* Cope, 1870. Type by monotypy. Gender: Feminine.

Agamyxis albomaculatus (Peters, 1877)

Doras albomaculatus Peters, 1877: 470. Type locality: Calabozo [Venezuela]. Syntypes (2): ZMB 10043 (1).

Distribution: Orinoco River basin, Venezuela (Sabaj & Ferraris, 2003).

Agamyxis pectinifrons (Cope, 1870)

Doras pectinifrons Cope, 1870b: 568. Type locality: Pebas, Ecuador [now Peru]. Holotype: ANSP 8346.

Doras (Agamyxis) flavopictus Steindachner, 1908c: 84. Type locality: Iquitos [Amazonasgebiet]. Syntypes: NMW 46598–99 (2).

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

AMBLYDORAS Bleeker, 1862

Amblydoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Doras affinis* Kner, 1855. Type by original designation. Gender: Masculine.

Zathorax Cope, 1871b: 112. Type species: *Zathorax monitor* Cope, 1872. Type by subsequent monotypy. Gender: Masculine. Appeared first with no included species, subsequently described with one species (Cope, 1872a: 271).

Amblydoras affinis (Kner, 1855)

Doras affinis Kner, 1855a: 121, pl. 2 (fig. 1). Type locality: Rio branco und Guaporé. Syntypes (11): NMW 46822–23 (4), NMW 46826 (3), RMNH 2973 (1).

Amblydoras truncatus Bleeker, 1863b: 18. Type locality: flumine Guapore. Holotype: RMNH 2973. Holotype is also a syntype of *Doras affinis* Kner.

Distribution: Guaporé, Branco and Essequibo River basins (Sabaj & Ferraris, 2003).

Amblydoras bolivarensis (Fernández-Yépez, 1968)

Hildadoras bolivarensis Fernández-Yépez, 1968: 43, fig. 18. Type locality: Qda. El Pilón, al este del Río Parguaza, afluyente (margen derecho) del Río Orinoco, frente a Pararuma [Estado Bolívar, Venezuela]. Holotype: FMNH 84067.

Distribution: Orinoco River basin, Venezuela (Sabaj & Ferraris, 2003).

Amblydoras gonzalezi (Fernández-Yépez, 1968)

Zathorax gonzalezi Fernández-Yépez, 1968: 70, fig. 36. Type locality: Laguna “Punta Vista,” a orillas del Río Caroní (margen izquierda) en el Parque Cachamay [Venezuela]. Holotype: MBUCV V-3940.

Distribution: Orinoco River basin and Casiquiare Canal (Sabaj & Ferraris, 2003).

Amblydoras monitor (Cope, 1872)

Zathorax monitor Cope, 1872a: 272, pl. 4 (figs. 1a–1c). Type locality: small streams tributary to the Ambyiacu, as well as ... the river itself ... which empties into the Amazon near Pebas, in Eastern Ecuador, some distance east of the Napo. Lectotype: ANSP 8296, designated by and illustrated in Eigenmann (1925: 363, pl. 16, fig. 3).

Distribution: Upper Amazon River basin (Sabaj & Ferraris, 2003).

Amblydoras nauticus (Cope, 1874)

Zathorax nauticus Cope, 1874b: 133. Type locality: Nauta [Upper Amazon]. Syntypes: ANSP 21390–95 (6).

Distribution: Upper Amazon River basin, Peru (Sabaj & Ferraris, 2003).

Remarks: Syntype series contains two species; with four specimens of *Amblydoras monitor* Cope and two representing the species indicated here (Sabaj & Ferraris, 2003). A lectotype designation is necessary to formalize the validity of this name.

ANADORAS Eigenmann, 1925

Anadoras Eigenmann, 1925: 327. Type species: *Doras grypus* Cope, 1872. Type by original designation. Gender: Masculine.

Anadoras grypus (Cope, 1872)

Doras grypus Cope, 1872a: 270, pl. 15 (figs. 1, 1a). Type locality: small streams tributary to the Ambyiacu, as well as ... the river itself ... which empties into the Amazon near Pebas, in Eastern Ecuador, some distance east of the Napo. Syntypes: ANSP 8345 (1), ANSP 16460 (1).

Distribution: Upper Amazon River basin (Sabaj & Ferraris, 2003).

Anadoras regani (Steindachner, 1908)

Doras regani Steindachner, 1908f: 163. Type locality: Fischmerke von Pará [Amazonasgebiete innerhalb Brasiliens]. Syntypes: NMW 46889 (4).

Distribution: Amazon and Oyapock River basins (Sabaj & Ferraris, 2003).

Anadoras weddellii (Castelnau, 1855)

Doras weddellii Castelnau, 1855: 48, pl. 17 (fig. 1). Type locality: petites flaques d'eau de la province des Chiquitos. Holotype: MNHN 0000-4155.

Distribution: Upper Mamoré, Paraguay and Pilcomayo River basins (Sabaj & Ferraris, 2003).

ANDUZEDORAS Fernández-Yépez, 1968

Anduzedoras Fernández-Yépez, 1968: 28. Type species: *Anduzedoras arleoi* Fernández-Yépez, 1968. Type by original designation. Gender: Masculine.

Anduzedoras oxyrhynchus (Valenciennes, 1821)

Doras Oxyrhynchus Valenciennes, in Humboldt & Valenciennes, 1821: 184. Type locality: Probablement ... originaires d'Amérique. Holotype: MNHN 0000-4190.

Doras (Corydoras) ophthalmus Kner, 1853c: 146, fig. 3 on unnumbered plate. Type locality: [Not stated]. Holotype: NMW 45418-20 (1 of 4). Name made available from caption to illustration of a swimbladder; associated specimen is the holotype, if recognizable. Illustrated and described in more detail, as *Doras (Oxydoras) lipophthalmus*, in Kner (1855: 147, pl. 5, fig. 8), with locality given as: Rio negro.

Doras (Oxydoras) lipophthalmus Kner, 1855a: 147, pl. 5 (fig. 8). Type locality: Rio negro [Brazil]. Syntypes: NMW 45418-20 (4).

Opsodoras steindachneri Eigenmann, 1925: 354. Type locality: Mouth of Rio Negro [Brazil]. Holotype: NMW 46379.

Anduzedoras arleoi Fernández-Yépez, 1968: 29, fig. 9. Type locality: Río Autana, al este de Puerto Ayacucho, Terr. Fed. Amazonas [Venezuela]. Holotype: FMNH 84068.

Distribution: Negro and upper Orinoco River basins, Brazil and Venezuela (Sabaj & Ferraris, 2003).

ASTRODORAS Bleeker, 1862

Astrodoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Doras asterifrons* Kner, 1853. Type by original

designation. Gender: Masculine.

Astrodoros asterifrons (Kner, 1853)

Doras asterifrons Kner, 1853c: 146, fig. 4 on unnumbered plate. Type locality: not stated. Holotype: NMW 46412 (1 of 2), NMW 46611 (1 of 6), NMW 58211 (1 of 3) or RMNH 2972 (1). Name made available from caption to illustration of a swimbladder; associated specimen is the holotype, if recognizable. Species later illustrated described in more detail in Kner (1855: 123, pl. 2, fig. 2), with the locality given as: Barra do Rio negro und R. Guaporé.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

CENTROCHIR Spix & Agassiz, 1829

Centrochir Spix & Agassiz, 1829: 14. Type species: *Doras crocodili* Humboldt, 1821. Type by monotypy. Gender: Feminine.

Centrochir crocodili (Humboldt, 1821)

Doras Crocodili Humboldt, in Humboldt & Valenciennes, 1821: 181, pl. 48 (fig. 2). Type locality: Rio Magdalena...Nouvelle-Grenade...entre Pinto et Mompox, par les 9° et 9°1/2 de latitude...[&] près du confluent du Rio Cauca [Colombia]. No types known.

Doras longispinis Steindachner, 1878a: 89. Type locality: Magdalenen-Stromes [Colombia]. Syntypes: NMW 46624 (4). Species illustrated and described in more detail in Steindachner (1879d: 39, pl. 4, fig. 2, and pl. 5, fig. 1).

Distribution: Magdalena River basin, Colombia (Sabaj & Ferraris, 2003).

Remarks: Redescribed in Schmidt (1928).

CENTRODORAS Eigenmann, 1925

Centrodoras Eigenmann, 1925: 309. Type species: *Doras brachiatus* Cope, 1872. Type by original designation. Gender: Masculine.

Centrodoras brachiatus (Cope, 1872)

Doras brachiatus Cope, 1872a: 270. Type locality: Between the mouth of the Rio Negro and the Huallaga, in the Marañon. Holotype: ANSP 8342. Appeared first as name only in Cope (1871a: 55).

Rhinodoras amazonum Steindachner, 1875: 141, pl. 2. Type locality: Amazonenstrom bei Teffé [brasilianische]. Holotype: at NMW, but not found in 2006 (M. Sabaj, pers. commun.).

Distribution: Amazon River basin, except Negro River (Sabaj & Ferraris, 2003).

Centrodoras hasemani (Steindachner, 1915)

Oxydoras (Rhinodoras) amazonum hasemani Steindachner, 1915e: 68. Type locality: Mündung des Rio Negro. Holotype: at NMW, but not found in 2006 (M. Sabaj, pers. comm.). Originally as *Oxydoras (Rhinodoras) amazonum* var. *hasemani*.

Distribution: Negro River basin, Brazil (Sabaj & Ferraris, 2003).

DORAOPS Schultz, 1944

Doraops Schultz, 1944c: 270. Type species: *Doraops zuloagai* Schultz, 1944. Type by original designation. Gender: Masculine.

Doraops zuloagai Schultz, 1944

Doraops zuloagai Schultz, 1944c: 271, pl. 7 (fig. a). Type locality: Río de Los Pajaros, 3 km above Lago Maracaibo. Holotype: USNM 121015.

Distribution: Lake Maracaibo basin including lake itself and Apon, Santa Ana, Catatumbo, Escalante and de Los Pajaros River basins, Colombia (Sabaj & Ferraris, 2003).

DORAS La Cepède, 1803

Doras La Cepède, 1803: 116. Type species: *Silurus carinatus* Linnaeus, 1766. Type by subsequent designation by Bleeker (1862–63: 5). Gender: Masculine.

Mormyrostoma Miranda Ribeiro, 1911: 192. Type species: *Silurus carinatus* Linnaeus, 1766. Type by original designation. Gender: Neuter.

Doras carinatus (Linnaeus, 1766)

Silurus carinatus Linnaeus, 1766: 504. Type locality: Surinami. Type(s): Whereabouts unknown.

Distribution: Essequibo River basin and other coastal drainages east to mouth of Amazon River, possibly in lower Amazon and lower Orinoco River basins (Sabaj & Ferraris, 2003).

Doras micropoeus (Eigenmann, 1912)

Hemidoras micropoeus Eigenmann, 1912b: 195. Type locality: Wismar, British Guiana. Holotype: CM 1636 (whereabouts unknown).

Distribution: Essequibo, Demerara and Corantijn River basins, possibly other coastal drainages of northern South America above mouth of Amazon River (Sabaj & Ferraris, 2003).

FRANCISCODORAS Eigenmann, 1925

Franciscodoras Eigenmann, 1925: 317. Type species: *Doras marmoratus* Reinhardt, 1874. Type by original designation. Gender: Masculine.

Franciscodoras marmoratus (Reinhardt, 1874)

Doras marmoratus Reinhardt, in Lütken, 1874c: 30. Type locality: in flumine Rio das Velhas [in provincia Minas-geraës circa oppidulum Lagoa Santa, Brasiliae centralis]. Holotype: ZMUC P 29669. Illustrated and described in Lütken (1875: 146 (and p. III of summary), pl. 1, fig. 1).

Distribution: São Francisco River basin, Brazil (Sabaj & Ferraris, 2003).

HASSAR Eigenmann & Eigenmann, 1888

Hassar Eigenmann & Eigenmann, 1888b: 158. Type species: *Oxydoras orestes* [= *Oxydoras orestis*] Steindachner, 1875. Type by subsequent designation by Eigenmann (1910: 394). Gender: Masculine. Originally proposed as a subgenus of *Hemidoras*.

Hassar affinis (Steindachner, 1881)

Oxydoras affinis Steindachner, 1881c: 107, pl. 1 (fig. 1). Type locality: Rio Puty [Brazil]. Holotype: NMW 45394. Originally as: *Oxydoras affinis* ? (an *Oxyd. Orestes* var.?).

Hassar woodi Fowler, 1941a: 139, figs. 35–37. Type locality: Rio Parnahyba, Therezina, Piauhy [Brazil]. Holotype: ANSP 69392.

Hassar iheringi Fowler, 1941a: 140, figs. 38–40. Type locality: Rio Parnahyba, Therezina, Piauhy [Brazil]. Holotype: ANSP 69393.

Distribution: Parnaíba River basin, Brazil (Sabaj & Ferraris, 2003).

Hassar orestis (Steindachner, 1875)

Oxydoras Orestis Steindachner, 1875: 138, pl. 1. Type locality: Rio Xingu (bei den Wasserfällen) und Rio Iça [brasilianische]. Syntypes: NMW 45427–30 (7), NMW 78651 (1). Steindachner consistently used *Oxydoras orestis* in 1875, but later changed the spelling to *Oxydoras orestes*, which had been widely adopted.

Hemidoras notospilus Eigenmann, 1912b: 196, pl. 19 (fig. 2). Type locality: Crab Falls, British Guiana. Holotype: FMNH 53184 (missing).

? *Hassar ucayalensis* Fowler, 1940a: 228, figs. 15–17. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68647.

Distribution: Amazon, Orinoco and Essequibo River basins (Sabaj & Ferraris, 2003).

Remarks: Inclusion of *Hassar ucayalensis* Fowler and, therefore, the distribution of the species into Peru must be considered tentative (Sabaj & Ferraris, 2003).

Hassar wilderi Kindle, 1895

Hassar wilderi Kindle, 1895: 251. Type locality: Trocera, on Tocantins, Brazil. Lectotype: CAS 60711; designated by, and illustrated in, Eigenmann (1925: 364, pl. 22, fig. 2); subsequent lectotype designation in Myers & Weitzman (1956: 4) not valid.

Distribution: Tocantins River basin, Brazil (Sabaj & Ferraris, 2003).

HEMIDORAS Bleeker, 1858

Hemidoras Bleeker, 1858b: 53, 54. Type species: *Doras (Oxydoras) stenopeltis* Kner, 1855. Type by monotypy.

Gender: Masculine.

Hemidoras morrisi Eigenmann, 1925

Hemidoras morrisi Eigenmann, 1925: 347, pl. 27 (fig. 3). Type locality: Iquitos. Holotype: CAS 52130.

Distribution: Upper Amazon River basin (Sabaj & Ferraris, 2003).

Remarks: Status uncertain, possibly a junior synonym of *Opsodoras boulengeri* (Steindachner) (Sabaj & Ferraris, 2003).

Hemidoras stenopeltis (Kner, 1855)

Doras (Oxydoras) stenopeltis Kner, 1855a: 142, pl. 4 (fig. 7). Type locality: Rio negro. Syntypes: NMW 45443 (2).

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

HYPODORAS Eigenmann, 1925

Hypodoras Eigenmann, 1925: 329. Type species: *Hypodoras forficulatus* Eigenmann, 1925. Type by original designation. Gender: Masculine.

Hypodoras forficulatus Eigenmann, 1925

Hypodoras forficulatus Eigenmann, 1925: 330, pl. 25 (fig. 3). Type locality: Iquitos. Holotype: CAS 37246.

Distribution: Upper Amazon River basin, Peru (Sabaj & Ferraris, 2003).

KALYPTODORAS Higuchi, Britski & Garavello, 1990

Kalyptodoras Higuchi, Britski & Garavello, 1990: 220. Type species: *Kalyptodoras bahiensis* Higuchi, Britski & Garavello, 1990. Type by original designation. Gender: Masculine.

Kalyptodoras bahiensis Higuchi, Britski & Garavello, 1990

Kalyptodoras bahiensis Higuchi, Britski & Garavello, 1990: 222, fig. 1. Type locality: Brazil, Bahia State, Rio Paraguaçu, lower course, downstream from Bananeiras dam, portion just before construction site of Pedra do Cavalo dam (12°32'05"S, 38°29'30"W to 12°35'50"S, 39°05'15"W). Holotype: MZUSP 38565.

Distribution: Paraguaçu River in Bahia State, Brazil (Sabaj & Ferraris, 2003).

LEPTODORAS Boulenger, 1898

Leptodoras Boulenger, 1898b: 477. Type species: *Oxydoras acipenserinus* Günther, 1868. Type by subsequent designation by Eigenmann (1910: 395). Gender: Masculine.

Taxonomy: Böhlke (1970).

Revision, with key to species: Sabaj (2005).

Leptodoras acipenserinus (Günther, 1868)

Oxydoras acipenserinus Günther, 1868a: 475. Type locality: Xeberos [Upper Amazons]. Holotype: BMNH 1867.6.13.32. Species illustrated and described in more detail in Günther (1868b: 230, pl. 20).

Distribution: Upper Amazon River basin, Brazil, Ecuador, and Peru (Sabaj, 2005).

Leptodoras cataniai Sabaj, 2005

Leptodoras cataniai Sabaj, 2005: 667, fig. 22. Type locality: Venezuela, Amazonas, río Casiquiare from mouth of río Pamoni to 4 km below mouth, west of Pamoni (2°48'N, 65°57'W). Holotype: ANSP 180918.

Distribution: Rio Negro and Casiquiare Canal in Brazil and Venezuela (Sabaj, 2005).

Leptodoras copei (Fernández-Yépez, 1968)

Anduzedoras copei Fernández-Yépez, 1968: 31, fig. 10. Type locality: una laguna al lado del Río Capanaparo [Venezuela]. Holotype: FMNH 84069.

Distribution: upper Orinoco, Negro, and Amazon River basins, Brazil, Peru and Venezuela (Sabaj, 2005).

Leptodoras hasemani (Steindachner, 1915)

Hemidoras hasemani Steindachner, 1915b: 218. Type locality: Amazonas, Südamerikas. Lectotype: NMW 46381 (82 mm SL, largest of 4 specimens); lectotype designated by Sabaj (2005: 654). Species illustrated and described in more detail in Steindachner (1915e: 75, pl. 10, figs. 4–7), with locality as: des Rio branco bei Boa Vista und Serra grande und an der Mündung des Rio negro.

Distribution: Branco, Orinoco and Essequibo River basins (Sabaj, 2005).

Leptodoras juruensis Boulenger, 1898

Leptodoras juruensis Boulenger, 1898b: 478. Type locality: Jurua River, Brazil. Holotype: BMNH 1898.10.11.25.
Distribution: Main channel of Amazon River basin (Sabaj, 2005).

Leptodoras linnelli Eigenmann, 1912

Leptodoras linnelli Eigenmann, 1912b: 191, pl. 17, fig. 1; pl. 18, fig. 1. Type locality: Tumatumari [lower Potaro River], British Guiana. Holotype: FMNH 53561.

Distribution: Upper Orinoco (Mavaca River), Essequibo and Demerara River basins and northern (left bank) tributaries to lower Amazon (Sabaj, 2005).

Leptodoras myersi Böhlke, 1970

Leptodoras myersi Böhlke, 1970: 54, fig. 1. Type locality: Peru, vicinity of Iquitos, Rio Amazonas (Marañon) between Isla Iquitos and Isla Lapuna, near Isla Lapuna shore. Holotype: ANSP 112318.

Distribution: Upper Amazon River basin, near Iquitos, Peru (Sabaj, 2005).

Leptodoras nelsoni Sabaj, 2005

Leptodoras nelsoni Sabaj, 2005: 663, fig. 20. Type locality: Colombia, Meta, río Metica (Meta-Orinoco dr.), ca. 1.5 km east of Rajote, Plancha 267 (3°56'N, 73°3'W). Holotype: ANSP 180917.

Distribution: middle Orinoco River basin, Colombia and Venezuela (Sabaj, 2005).

Leptodoras praelongus (Myers & Weitzman, 1956)

Hassar praelongus Myers & Weitzman, 1956: 2, fig. 1. Type locality: São Gabriel Rapids of the Rio Negro, Amazonas, Brazil. Holotype: SU 48679.

Distribution: Negro and Orinoco River basins, Brazil and Venezuela (Sabaj, 2005).

Leptodoras rogersae Sabaj, 2005

Leptodoras rogersae Sabaj, 2005: 665, fig. 21. Type locality: Venezuela, Bolivar, río Orinoco (Atlantic Dr.), river channel at Palua just below mouth of río Caroni, 181 nautical miles upstream from sea buoy (8°21'N, 62°43'W). Holotype: USNM 226307.

Distribution: Lower to middle Orinoco River, primarily in main channel (Sabaj, 2005).

LITHODORAS Bleeker, 1862

Lithodoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Doras lithogaster* Kner, 1855. Type by original designation. Gender: Masculine.

Lithodoras dorsalis (Valenciennes, 1840)

Doras dorsalis Valenciennes, in Cuvier & Valenciennes, 1840b: 284 (211 in Strasbourg deluxe edition). Type locality: [Not stated]. Holotype: MNHN 0000-4156. On *Doras carinatus* of Valenciennes (in Humboldt & Valenciennes, 1821: p. 184).

Doras papilionatus De Filippi, 1853: 167. Type locality: in flumine Amazonum. Holotype: MZUT 229.

Doras lithogaster Kner, 1855a: 132. Type locality: Forte do Rio branco. Syntypes (2): at NMW, but not found in 2006 (M. Sabaj, pers. commun.).

Megalodoras paucisquamatus Van der Stigchel, 1946: 71, fig. 1. Type locality: Brazil. Holotype: RMNH 15480.

Distribution: Amazon River basin and estuary near Cayenne, French Guiana (Keith & Merona, 2000; Sabaj & Ferraris, 2003).

MEGALODORAS Eigenmann, 1925

Megalodoras Eigenmann, 1925: 306. Type species: *Megalodoras irwini* Eigenmann, 1925. Type by original designation. Gender: Masculine.

Hoplodoras Eigenmann, 1925: 310. Type species: *Doras uranoscopus* Eigenmann & Eigenmann, 1888. Type by original designation. Gender: Masculine. Spelled *Haplodoras* on p. 311, *Hoplodaros* on fig. 12c, and *Hoplodoras* in key and main account. First reviser apparently Eschmeyer & Bailey, in Eschmeyer (1990).

Deltadoras Fernández-Yépez, 1968: 36. Type species: *Deltadoras guayoensis* Fernández-Yépez, 1968. Type by original designation. Gender: Masculine.

Remarks: Sabaj & Ferraris (2003: 462) served as first reviser in selecting *Megalodoras* as valid over *Hoplodoras*.

Megalodoras guayoensis (Fernández-Yépez, 1968)

Deltadoras guayoensis Fernández-Yépez, 1968: 37, fig. 14. Type locality: Caño de Guayo, Territorio Delta Ama-

curo, Venezuela. Holotype: MBUCV V-15211.

Hoplodoras ramirezi Fernández-Yépez, 1968: 47, fig. 19. Type locality: bajo Orinoco [Venezuela]. Holotype: AFY 66117 (missing).

Distribution: Orinoco River basin, Venezuela (Sabaj & Ferraris, 2003).

Remarks: Sabaj & Ferraris (2003: 462) served as first reviser in selecting *Deltadoras guayoensis* as the valid name for this species.

Megalodoras uranoscopus (Eigenmann & Eigenmann, 1888)

Doras uranoscopus Eigenmann & Eigenmann, 1888b: 159. Type locality: Lake Hyanyary [Brazil]. Holotype: MCZ 7235.

? *Oxydoras (Rhinodoras) huberi* Steindachner, 1911a: 324. Type locality: Rio Tocantins, bei Cameté [Amazonasgebiete]. Holotype: NMW 12615.

Doras libertatis Miranda Ribeiro, 1912: 20. Type locality: Manáos [Brazil]. Holotype (112 mm): MNRJ 718 (missing). Holotype illustrated in Eigenmann (1925: pl. 7).

Megalodoras irwini Eigenmann, 1925: 308, pl. 25 (fig. 2). Type locality: Iquitos. Holotype: CAS 80243. Species account appears twice in paper; the first (p. 307) based on a single specimen (CAS 20735) that was apparently intended as the holotype of another new species description, which was changed before publication, except for word “holotype” in the species account, which was first treated as *lapsus calami* by Sabaj & Ferraris (2003).

Distribution: Amazon, Tocantins and Essequibo River basins (Sabaj & Ferraris, 2003).

NEMADORAS Eigenmann, 1925

Nemadoras Eigenmann, 1925: 359. Type species: *Oxydoras elongatus* Boulenger, 1898. Type by original designation. Gender: Masculine.

Nemadoras elongatus (Boulenger, 1898)

Oxydoras elongatus Boulenger, 1898e: 424, pl. 40 (fig. 4). Type locality: Rio Jurua, an affluent of the Amazons, Brazil. Holotype: BMNH 1897.12.1.47.

Opsodoras parallelus Eigenmann, 1925: 350, pl. 19 (fig. 3). Type locality: Iquitos. Holotype: CAS 60229.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

Remarks: Holotype of *Oxydoras elongatus* Boulenger was apparently registered twice, with the second registration number, BMNH 1971.4.13.1, appearing in several recent publications.

Nemadoras hemipeltis (Eigenmann, 1925)

Opsodoras hemipeltis Eigenmann, 1925: 349, pl. 19 (fig. 2). Type locality: Rio Ucayali at Contamana. Holotype: CAS 60236.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

Nemadoras humeralis (Kner, 1855)

Doras humeralis Kner, 1855a: 140, pl. 4 (fig. 6). Type locality: Barra do Rio negro. Syntypes: NMW 45410 (2).

Oxydoras bachi Boulenger, 1898e: 423, pl. 40 (fig. 3). Type locality: Rio Jurua, an affluent of the Amazons, Brazil. Holotype: BMNH 1897.12.1.46.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

Nemadoras leporhinus (Eigenmann, 1912)

Hemidoras leporhinus Eigenmann, 1912b: 195, pl. 19 (fig. 1). Type locality: Tumatumari [lower Potaro River], British Guiana. Holotype: FMNH 53185.

Distribution: Orinoco, Branco and Essequibo River basins (Sabaj & Ferraris, 2003).

Nemadoras trimaculatus (Boulenger, 1898)

Oxydoras trimaculatus Boulenger, 1898e: 422, pl. 40 (fig. 1). Type locality: Rio Jurua, an affluent of the Amazons, Brazil. Syntypes: BMNH 1897.12.1.41–43 (3).

Leptodoras trimaculatus Fowler, 1914: 264, fig. 14. Type locality: Rupununi River, British Guiana ... in the highlands of British Guiana, approximately secured in North Latitude 2° to 3°, and West Longitude 50°20'. Holotype: ANSP 39342. Originally considered by Fowler (1958) to have been preoccupied in *Opsodoras* by *Opsodoras trimaculatus* (Boulenger, 1898); and replaced by *Opsodoras ogilviei* Fowler, 1958. More recently, considered to be preoccupied in *Nemadoras* (Sabaj & Ferraris, 2003).

Opsodoras ogilviei Fowler, 1958: 13. Type locality: Rupununi River, British Guiana. Holotype: ANSP 39342. Replacement for *Leptodoras trimaculatus* Fowler, 1914; then preoccupied in *Opsodoras* by *Opsodoras trimaculatus* (Boulenger, 1898).
Distribution: Amazon, Orinoco and Essequibo River basins (Sabaj & Ferraris, 2003).

OPSODORAS Eigenmann, 1925

Opsodoras Eigenmann, 1925: 348. Type species: *Opsodoras orthacanthus* Eigenmann, 1925. Type by original designation. Gender: Masculine.

Opsodoras boulengeri (Steindachner, 1915)

Hemidoras boulengeri Steindachner, 1915b: 218. Type locality: Mündung des Rio negro. Holotype: at NMW, but not found in 2006 (M. Sabaj, pers. comm.). Species illustrated and described in more detail, as *Hemidoras* (*Leptodoras*) *boulengeri*, in Steindachner (1915e: 63, pl. 8, figs. 1–3).

Distribution: Amazon River basin, Bolivia and Brazil (Sabaj & Ferraris, 2003).

Opsodoras morei (Steindachner, 1881)

Oxydoras Morei Steindachner, 1881c: 106, pl. 1 (fig. 2). Type locality: Rio Negro. Holotype: NMW 45433.

Distribution: Negro River basin, Brazil (Sabaj & Ferraris, 2003).

Opsodoras stuebelii (Steindachner, 1882)

Oxydoras Stuebelii Steindachner, 1882b: 175. Type locality: Aus dem Huallaga. Syntypes (3): at NMW, but not found in 2006 (M. Sabaj, pers. comm.). Species illustrated and described in more detail in Steindachner (1882c: 5, pl. 3, figs. 1–1b).

Opsodoras orthacanthus Eigenmann, 1925: 351, pl. 22 (fig. 3). Type locality: Iquitos. Holotype: CAS 60231.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

Opsodoras ternetzi Eigenmann, 1925

Opsodoras ternetzi Eigenmann, 1925: 353. Type locality: Tapajos at Santarem. Holotype: CAS 60230.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

ORINOCODORAS Myers, 1927

Orinocodoras Myers, 1927: 124. Type species: *Orinocodoras eigenmanni* Myers, 1927. Type by original designation. Gender: Masculine.

Orinocodoras eigenmanni Myers, 1927

Orinocodoras eigenmanni Myers, 1927: 124. Type locality: Venezuela: Caño de Quiribana near Caicara. Holotype: SU 58747.

Distribution: Orinoco River basin, Venezuela (Sabaj & Ferraris, 2003).

OXYDORAS Kner, 1855

Oxydoras Kner, 1855a: 115. Type species: *Doras niger* Valenciennes, 1821. Type by subsequent designation by Eigenmann & Eigenmann (1890: 246). Gender: Masculine. Designation of *Oxydoras kneri* Bleeker, 1862 [= *Doras* (*Oxydoras*) *niger* of Kner, 1855a] as type species in Bleeker (1862–63: 5) is invalid because *O. kneri* was not an available name in Kner (1855).

Pseudodoras Bleeker, 1858b: 53, 54. Type species: *Doras niger* Valenciennes, 1821. Type by subsequent designation by Jordan (1919a: 278). Gender: Masculine.

Hildadoras Fernández-Yépez, 1968: 41. Type species: *Hildadoras orinocensis* Fernández-Yépez, 1968. Type by original designation. Gender: Masculine.

Oxydoras kneri Bleeker, 1862

Oxydoras kneri Bleeker, 1862 (in Bleeker, 1862–63): 5. Type locality: Cujaba. Holotype: at NMW. Based on *Doras* (*Oxydoras*) *niger* of Kner (1855), from Cujaba.

Distribution: Paraná River basin (Sabaj & Ferraris, 2003).

Oxydoras niger (Valenciennes, 1821)

Doras niger Valenciennes, in Humboldt & Valenciennes, 1821: 184. Type locality: Probablement ... Originaires d'Amérique. Holotype: MNHN 0000-4189.

? *Corydoras edentatus* Spix, in Spix & Agassiz, 1829: pl. 5. Type locality: [Not stated]. Holotype: Whereabouts unknown (Kottelat, 1988). Name available from plate, with illustrated specimen the holotype. Corresponds to *Doras humboldti* Spix & Agassiz, 1829.

? *Doras humboldti* Spix & Agassiz, 1829: 14, pl. 5. Type locality: fluvio S. Francisci mediae Brasiliae. Syntypes: Whereabouts unknown (Kottelat, 1988).

Rhinodoras prianomus Cope, 1874b: 134. Type locality: Nauta [upper Amazon]. Holotype: ANSP 21203.

Rhinodoras teffeanus Steindachner, 1875: 145, pl. 3. Type locality: Teffé am Amazonenstrom [brasilianische]. Syntypes: NMW 44568–69 (2).

? *Oxydoras holdeni* Fernández-Yépez, 1968: 54, fig. 24. Type locality: Río Apure, frente a Mango Verde [Venezuela]. Holotype: AFY 51265 (missing).

Distribution: Amazon, São Francisco and Essequibo River basins, possibly Orinoco River basin, (Sabaj & Ferraris, 2003).

Remarks: Synonymy based on Sabaj & Ferraris (2003). Inclusion of *Doras humboldti* and *Corydoras edentatus* in synonymy tentative, in the absence of types. Agassiz (1831: conspectus) serves as first reviser in treating *Doras humboldti* as valid over *Corydoras edentatus*.

Oxydoras sifontesi Fernández-Yépez, 1968

Oxydoras sifontesi Fernández-Yépez, 1968: 58, fig. 28. Type locality: Laguna rebalsera “El Medio,” Ciudad Bolívar [Venezuela]. Holotype: MBUCV V-1584.

Hildadoras orinocensis Fernández-Yépez, 1968: 41, fig. 17. Type locality: Boca del caño San Juan, Terr. Delta Amacuro [Venezuela]. Holotype: MBUCV V-3939.

Distribution: Orinoco River basin (Sabaj & Ferraris, 2003).

Remarks: Sabaj & Ferraris (2003) acted as first reviser in giving precedence to *O. sifontesi*.

PHYSOPYXIS Cope, 1871

Physopyxis Cope, 1871b: 112. Type species: *Physopyxis lyra* Cope, 1871. Type by monotypy. Gender: Feminine. More complete description in Cope (1872a: 273).

Revision, with key to species: de Sousa & Rapp Py-Daniel (2005).

Physopyxis ananas de Sousa & Rapp Py-Daniel, 2005

Physopyxis ananas de Sousa & Rapp Py-Daniel, 2005: 630, fig. 5. Type locality: Jutáí River, Solimões River basin, Amazonas State, Brazil (02°45'40"S; 66°47'59"W). Holotype: INPA 24324.

Distribution: Amazon (including Negro River) and Essequibo River basins (de Sousa & Rapp Py-Daniel, 2005).

Physopyxis cristata de Sousa & Rapp Py-Daniel, 2005

Physopyxis cristata de Sousa & Rapp Py-Daniel, 2005: 632, fig. 7. Type locality: mouth of igarapé Zamula, Negro River, Amazonas State, Brazil (00°51'48"S; 62°46'44"W). Holotype: INPA 24325.

Distribution: Negro River basin (Amazon River drainage), Amazonas State, Brazil (de Sousa & Rapp Py-Daniel, 2005).

Physopyxis lyra Cope, 1871

Physopyxis lyra Cope, 1871b: 112. Type locality: Amazon. Holotype: ANSP 8282. Illustrated and described in more detail in Cope (1872a: 273, pl. 5, figs. 1a–1c), with locality as Ambyiacu River, Ecuador [now Peru].

Distribution: Amazon River basin, Peru and Brazil (de Sousa & Rapp Py-Daniel, 2005).

PLATYDORAS Bleeker, 1862

Platydoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Silurus costatus* Linnaeus, 1758. Type by original designation. Gender: Masculine.

Platydoras armatulus (Valenciennes, 1840)

Doras armatulus Valenciennes, in Cuvier & Valenciennes, 1840b: 273 (204 in Strasbourg deluxe edition). Type locality: Brésil, ... le Parana, mais non au-dessous du 27°30' de latitude sud. Holotype: MNHN 0000-4152.

Distribution: Paraná River basin (Sabaj & Ferraris, 2003).

Platydoras costatus (Linnaeus, 1758)

Silurus costatus Linnaeus, 1758: 306. Type locality: Indiis. Type(s): Whereabouts unknown. Based on account in

Gronovius (1756: 24–25, pl. 5, figs. 1 & 2).

Mystus ascita Gronow, in Gray, 1854: 156. Type locality: Not stated. Type(s): Whereabouts unknown. Based on account in Gronovius (1756: 24–25, pl. 5, figs. 1 & 2). Preoccupied by *Mystus ascita* Walbaum (1792); apparently not replaced.

? *Doras dentatus* Kner, 1855a: 118, pl. 3 (fig. 3). Type locality: Surinam. Holotype: NMW 46869. Originally proposed as *Doras dentatus*?

? *Doras helicophilus* Günther, 1868a: 475. Type locality: Surinam [Maroni River]. Syntypes: BMNH 1866.8.10.1–3 (3).

Distribution: Amazon, Tocantins, Parnaíba, Orinoco, Essequibo River basins and coastal drainages in French Guiana and Suriname (Sabaj & Ferraris, 2003).

Species inquirenda, Platydoras

Doras Hancockii Valenciennes, in Cuvier & Valenciennes, 1840b: 279 (207 in Strasbourg deluxe edition). Type locality: not stated. Holotype: BMNH 1857.6.13.163. Based on *Doras costata* of Hancock (1828), from Demerara [Guyana].

PTERODORAS Bleeker, 1862

Pterodoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Doras granulatus* Valenciennes, 1821. Type by original designation. Gender: Masculine.

Apuredoras Fernández-Yépez, 1950c: 195. Type species: *Apuredoras rivasi* Fernández-Yépez, 1950. Type by original designation. Gender: Masculine.

Parapterodoras Risso & Morra, 1964: 1. Type species: *Parapterodoras paranensis* Risso & Morra, 1964. Type by original designation. Gender: Masculine.

Sachsdoras Fernández-Yépez, 1968: 66. Type species: *Sachsdoras apurensis* Fernández-Yépez, 1968. Type by original designation. Gender: Masculine.

Pterodoras granulatus (Valenciennes, 1821)

Doras granulatus Valenciennes, in Humboldt & Valenciennes, 1821: 184. Type locality: Probablement Originaires d'Amérique. Holotype: MNHN 0000-4187.

? *Doras maculatus* Valenciennes, 1836, (in Valenciennes, 1835–47): pl. 5 (fig. 3). Type locality: not stated. Holotype: MNHN b-0201 (1 of 2). Name available from plate that, according to Valenciennes (in Cuvier & Valenciennes) 1840b: 281 (210 in Strasbourg deluxe edition), was based on single specimen, but description in Cuvier & Valenciennes (1840b: 281 (209–211 in Strasbourg deluxe edition) based on holotype (MNHN 0000-4187) of *Doras granulatus* Valenciennes, 1821, and two specimens (MNHN b-0201) with locality as Buénos-Ayres.

? *Doras murica* Kner, 1855a: 129. Type locality: Cujaba. Holotype: at NMW. Name credited to Natterer; however, availability of name appears attributable solely to Kner.

? *Doras laevigatulus* Berg, 1901: 298. Type locality: Dock Sud, que comunica con el Río de la Plata y el Riachuelo de la Boca. Holotype: MACN 2118.

? *Doras lentiginosus* Eigenmann, 1917a: 401, pl. 40. Type locality: Santarem [Brazil]. Holotype: FMNH 58056.

? *Silurus 12-radiatus* Larrañaga, 1923: 386. Type locality: [Uruguay]. No types known.

? *Silurus armatus* Larrañaga, 1923: 377. Type locality: [Uruguay]. No types known. Originally as *Silurus* (armado) *armatus*.

? *Parapterodoras paranensis* Risso & Morra, 1964: 2, pl. 1. Type locality: Río Paraná, frente a Corrientes. Holotype: Mus. Cien. Nat. del Chaco X-64-1.

Distribution: Amazon and Paraná River basins and coastal drainages in Guyana and Suriname (Sabaj & Ferraris, 2003).

Pterodoras rivasi (Fernández-Yépez, 1950)

Apuredoras rivasi Fernández-Yépez, 1950c: 195, fig. on p. 196. Type locality: Río Apure, 2 km al este de San Fernando. Holotype: AFY 51062 (whereabouts unknown).

Pterodoras angeli Fernández-Yépez, 1968: 65, fig. 32. Type locality: Río Arauca, Edo. Apure [Venezuela]. Holo-

type: AFY 66803 (whereabouts unknown). Name also spelled *Ptedoras angelis* in original description. *Pterodoras angeli* selected as the valid name by Sabaj & Ferraris (2003: 465).
Sachsdoras apurensis Fernández-Yépez, 1968: 66, fig. 33. Type locality: Río Orinoco, cerca de la boca del Río Apure [Venezuela]. Holotype: AFY 66802 (whereabouts unknown).
Distribution: Orinoco River basin, Colombia and Venezuela (Sabaj & Ferraris, 2003).

RHINODORAS Bleeker, 1862

Rhinodoras Bleeker, 1862 (in Bleeker, 1862–63): 5. Type species: *Doras (Oxydoras) dorbignyi* Kner, 1855. Type by original designation. Gender: Masculine.

Rhinodoras boehlkei Glodek, Whitmire & Orcés, 1976

Rhinodoras boehlkei Glodek, Whitmire & Orcés, 1976: 3, fig. 1. Type locality: Eastern Ecuador, Río Bobonaza between Montalvo and Chicherato. Holotype: FMNH 79203.

Distribution: Upper Amazon River basin (Sabaj & Ferraris, 2003).

Rhinodoras dorbignyi (Kner, 1855)

Doras (Oxydoras) d'Orbigny Kner, 1855a: 149, pl. 5 (fig. 9). Type locality: Rio de la Plata. Holotype: NMW 44555. Name also spelled *Doras (Oxydoras) d'Orbigny* in original description. *Rhinodoras dorbignyi* selected as the valid name over *Rhinodoras dorbigny* by Sabaj & Ferraris (2003: 465). Name credited to Krøyer in Heckel manuscript; however, availability of name appears attributable solely to Kner.

Doras nebulosus Eigenmann & Kennedy, 1903: 500. Type locality: either in Mato Grosso [at Descalvados, Brazil] or [in the Paraguay at] Asuncion. Holotype: CAS 31186.

Distribution: Paraná River basin (Sabaj & Ferraris, 2003).

Remarks: Catalog number of holotype of *Doras (Oxydoras) d'Orbigny* incorrectly reported as NMW 44551 in Eschmeyer *et al.* (1998) and Sabaj & Ferraris (2003).

Rhinodoras thomersoni Taphorn & Lilyestrom, 1984

Rhinodoras thomersoni Taphorn & Lilyestrom, 1984a: 87, fig. 1. Type locality: Venezuela noroccidental. Cuenca del Lago Maracaibo, Estado Zulia, desembocadura del Río Catatumbo, cerca de El Congo. Holotype: MCNG 368.

Distribution: Santa Ana, Catatumbo and Escalante river basins, along southwest shore of Lake Maracaibo (Sabaj & Ferraris, 2003).

RHYNCHODORAS Klausewitz & Rössel, 1961

Rhynchodoras Klausewitz & Rössel, 1961: 45. Type species: *Rhynchodoras xingui* Klausewitz & Rössel, 1961. Type by original designation. Gender: Masculine.

Rhynchodoras woodsi Glodek, 1976

Rhynchodoras woodsi Glodek, 1976: 44, fig. 1. Type locality: Eastern Ecuador, Moreta Bobonaza, between Sarayacu and Montalvo. Río Bobonaza, a tributary of Río Pastaza, itself a tributary of Río Marañon in Peru. Holotype: FMNH 77008.

Distribution: Pastaza River basin in Marañon River drainage, Ecuador (Sabaj & Ferraris, 2003).

Rhynchodoras xingui Klausewitz & Rössel, 1961

Rhynchodoras xingui Klausewitz & Rössel, 1961: 46, fig. 1. Type locality: Südamerika, Brasilien, Oberlauf des Rio Xingu. Holotype: SMF 5281.

Distribution: Upper Xingu River basin, Brazil (Sabaj & Ferraris, 2003).

SCORPIODORAS Eigenmann, 1925

Scorpiodoras Eigenmann, 1925: 324. Type species: *Doras heckelii* Kner, 1855. Type by original designation. Gender: Masculine.

Autanadoras Fernández-Yépez, 1950a: 8. Type species: *Autanadoras milesi* Fernández-Yépez, 1950. Type by original designation. Gender: Masculine.

Scorpiodoras heckelii (Kner, 1855)

Doras Heckelii Kner, 1855a: 125, pl. 3 (fig. 4). Type locality: R. negro. Holotype: NMW 46613.

Doras Calderonensis Vaillant, 1880b: 154. Type locality: Caldéron (Haute-Amazone). Holotype: MNHN a-1980.
Autanadoras milesi Fernández-Yépez, 1950a: 8, pl. 1 (fig. 4). Type locality: Río Autana [Venezuela]. Holotype: MBUCV V-15210.

Distribution: Negro, Orinoco, and upper Amazon River basins, Brazil and Venezuela (Sabaj & Ferraris, 2003).

TRACHYDORAS Eigenmann, 1925

Trachydoras Eigenmann, 1925: 337. Type species: *Trachydoras atripes* Eigenmann, 1925. Type by original designation. Gender: Masculine.

Trachydoras brevis (Kner, 1853)

Doras (Corydoras) brevis Kner, 1853c: 146, fig. 8 on unnumbered plate. Type locality: [Not stated]. Holotype: NMW 45397–99 (1 of 5), NMW 46375 (1 of 2) or RMNH 2965 (1). Name made available from caption to illustration of a swimbladder; associated specimen is the holotype, if recognizable. Species later described and illustrated in Kner (1855a: 138–140, pl. 6, fig. 11), on 8 specimens with locality given as Barra do Rio negro; and swimbladder illustration in Kner (1853c) corrected from fig. 6 to fig. 8.

Distribution: Negro and Essequibo River basins (Sabaj & Ferraris, 2003).

Trachydoras microstomus (Eigenmann, 1912)

Hemidoras microstomus Eigenmann, 1912b: 193, pl. 18 (fig. 2). Type locality: Rockstone, British Guiana. Holotype: FMNH 53206.

Distribution: Amazon, Orinoco and Essequibo River basins (Sabaj & Ferraris, 2003).

Trachydoras nattereri (Steindachner, 1881)

Oxydoras Nattereri Steindachner, 1881c: 104, pl. 2 (fig. 1). Type locality: Amazonen-Strome bei Teffe [Brazil]. Holotype: at NMW, but not found in 2006 (M. Sabaj, pers. commun.).

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

Trachydoras paraguayensis (Eigenmann & Ward, 1907)

Hemidoras paraguayensis Eigenmann & Ward in Eigenmann, McAtee & Ward, 1907: 116, pl. 34 (fig. 1). Type locality: Paraguay River at ... Corumba [Brazil]. Holotype: CAS 37216.

Distribution: Paraná River basin (Sabaj & Ferraris, 2003).

Trachydoras steindachneri (Perugia, 1897)

Oxydoras Steindachneri Perugia, 1897: 20. Type locality: Rio Beni, Bolivia. Syntypes: MSNG 8834 (17).

Oxydoras trachyparia Boulenger, 1898e: 423, pl. 40 (fig. 2). Type locality: Rio Jurua, an affluent of the Amazons, Brazil. Syntypes: BMNH 1897.12.1.44–45 (2).

Trachydoras atripes Eigenmann, 1925: 339, pl. 26 (fig. 4). Type locality: Brook near River Itaya, above Iquitos [Peru]. Holotype: CAS 60234.

Distribution: Amazon River basin (Sabaj & Ferraris, 2003).

WERTHEIMERIA Steindachner, 1877

Wertheimeria Steindachner, 1877b: 659. Type species: *Wertheimeria maculata* Steindachner, 1877. Type by monotypy. Gender: Feminine.

Relationships: Higuchi *et al.* (1990).

Wertheimeria maculata Steindachner, 1877

Wertheimeria maculata Steindachner, 1877b: 660, pl. 10. Type locality: Rio Jequitinhonha [Brazil]. Syntypes: NMW 43460 (1, lost), NMW 43461 (1).

Distribution: Jequitinhonha River basin, Brazil (Sabaj & Ferraris, 2003).

Species inquirenda, Doradidae

Doras insculptus Miranda Ribeiro, 1912: 22. Type locality: Manáos [Brazil]. Lectotype: MNRJ 656a, designated by Miranda Ribeiro (1953: 398). Validity and generic placement considered uncertain in Sabaj & Ferraris (2003); likely as *Anadoras* or *Amblydoras*.

HEPTAPTERIDAE Gill, 1861

Pteronotidae Adams, in Adams *et al.*, 1854: 107. Type genus: *Pteronotus* Swainson, 1839. Permanently invalid, because *Pteronotus* Swainson is a junior homonym of *Pteronotus* Gray, 1837 (Mammalia).

Heptapterinae Gill, 1861c: 54. Type genus: *Heptapterus* Bleeker, 1858.

Rhamdiae Bleeker, 1862 (in Bleeker, 1862–63): 11, 60. Type genus: *Rhamdia* Bleeker, 1858.

Taxonomic summary: Gosline (1941), Bockmann & Guazzelli (2003).

Phylogeny: Lundberg & Mc Dade (1986), Ferraris (1988a, *Nemuroglanis* group); Bockmann (1994, 1998).

24 genera, 189 species; no named fossil taxa.

Incertae sedis

Imparales panamensis Bussing, 1970

Imparales panamensis Bussing, 1970: 7, fig. 2. Type locality: Panamá: Veraguas Prov., creek crossing road on s side of Santa Fe (elev. 305 m). Holotype: USNM 204692.

Distribution: River basin(s) draining Veraguas Province, Tuirá River basin, and Frijoles River, Panama (Bockmann & Guazzelli, 2003).

Remarks: Not related to *Imparales*, or its senior synonym *Nemuroglanis* (Bockmann & Ferraris, 2005), but not placed elsewhere.

Pimelodus (Rhamdia) parvus Boulenger, 1898

Pimelodus (Rhamdia) parvus Boulenger, 1898c: 7. Type locality: du Rio Santiago, du Rio Zamora et du Rio Bomboiza. Syntypes: BMNH 1898.11.4.5–6, BMNH 1898.11.4.7, ZMUT 1543 (2), ZMUT 1544 (2), ZMUT 1691 (4).

Distribution: Marañon River basin, Ecuador.

Remarks: Silfvergrip (1996: 29) referred this species to *Nannorhamdia*, but Bockmann & Guazzelli (2003) disagreed with that placement and, instead, left the species unassigned.

ACENTRONICHTHYS Eigenmann & Eigenmann, 1889

Acentronichthys Eigenmann & Eigenmann, 1889b: 28. Type species: *Acentronichthys leptos* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

Remarks: Treated as a synonym of *Heptapterus* by Miranda Ribeiro (1962b).

Acentronichthys leptos Eigenmann & Eigenmann, 1889

Acentronichthys leptos Eigenmann & Eigenmann, 1889b: 29. Type locality: Sao Matheos [=São Mateus, State of Espírito Santo, Brazil]. Holotype: MCZ 7532.

Distribution: Coastal streams from Rio de Janeiro to Santa Catarina State, and in São Mateus, in Espírito Santo State, Brazil (Bockmann & Guazzelli, 2003).

BRACHYGLANIS Eigenmann, 1912

Brachyglanis Eigenmann, 1912b: 156. Type species: *Brachyglanis frenata* Eigenmann, 1912. Type by original designation. Gender: Masculine.

Remarks: First published as *Breviglanis* in Eigenmann (1910: 384), but without diagnosis or available species; name was apparently never made available by its use with an available species name.

Brachyglanis frenatus Eigenmann, 1912

Brachyglanis frenata Eigenmann, 1912b: 156. Type locality: Amatuk [Essequibo River basin], British Guiana. Holotype: CM 1670, not found at FMNH.

Distribution: Essequibo, Negro, Orinoco, and Urubu River basins of Brazil, Guyana, and Venezuela (Bockmann & Guazzelli, 2003).

Brachyglanis magoi Fernández-Yépez, 1967

Brachyglanis magoi Fernández-Yépez, 1967: 162, pl. 1. Type locality: río Uruyén medio. Holotype: AFY 56611.

Distribution: Caroní River basin in Orinoco River drainage, Venezuela (Bockmann & Guazzelli, 2003).

Brachyglanis melas Eigenmann, 1912

Brachyglanis melas Eigenmann, 1912b: 157, pl. 11 (fig. 2). Type locality: Crab Falls, British Guiana. Holotype: FMNH 53217.

Distribution: Essequibo River basin, Guyana (Bockmann & Guazzelli, 2003).

Brachyglanis microphthalmus Bizerril, 1991

Brachyglanis microphthalmus Bizerril, 1991: 2, fig. 1. Type locality: Brasil, Pará, Município de Oriximiná, Bacia do rio Trombetas, drenagem do Lago Sapucaá, Igarapé Saracá. Holotype: MNRJ 11788.

Distribution: Trombetas River basin, Brazil (Bockmann & Guazzelli, 2003).

Brachyglanis nocturnus Myers, 1928

Brachyglanis nocturnus Myers, 1928: 84. Type locality: Rock-pools at São Gabriel Rapids, Rio Negro, Brazil. Holotype: CAS 63393.

Distribution: Negro River basin, Brazil (Bockmann & Guazzelli, 2003).

Brachyglanis phalacra Eigenmann, 1912

Brachyglanis phalacra Eigenmann, 1912b: 157, pl. 12 (fig. 1), pl. 13 (fig. 1). Type locality: Amatuk [Essequibo River basin], British Guiana. Holotype: FMNH 53216.

Distribution: Essequibo River basin, Guyana (Bockmann & Guazzelli, 2003).

BRACHYRHAMDIA Myers, 1927

Brachyrhamdia Myers, 1927: 123. Type species: *Brachyrhamdia imitator* Myers, 1927. Type by original designation. Gender: Feminine.

Brachyrhamdia heteropleura (Eigenmann, 1912)

Pimelodus heteropleurus Eigenmann, 1912b: 176, pl. 16 (fig. 2). Type locality: Rupununi Pan [Essequibo River basin], British Guiana. Holotype: FMNH 53336.

Distribution: Corantijn, Essequibo and Negro River basins (Bockmann & Guazzelli, 2003).

Brachyrhamdia imitator Myers, 1927

Brachyrhamdia imitator Myers, 1927: 123. Type locality: Caño de Quiribana, near Caicara [Venezuela]. Holotype: CAS 54359.

Distribution: Caura River basin in Orinoco River drainage, Venezuela (Bockmann & Guazzelli, 2003).

Brachyrhamdia marthae Sands & Black, 1985

Brachyrhamdia marthae Sands & Black, 1985: 58 (4), illustrated on p. 58 (7). Type locality: Peru, aquarium import. Holotype: RMNH 29424.

Distribution: Juruá and Mamoré/Madeira River basins (Bockmann & Guazzelli, 2003).

Remarks: Redescribed, as *Rhamdia marthae*, in Zarske (2003).

Brachyrhamdia meesi Sands & Black, 1985

Brachyrhamdia meesi Sands & Black, 1985: 58 (5), illustrated on p. 58 (7). Type locality: Near Belem, Brazil. Holotype: RMNH 29425.

Distribution: Amazon River basin, Brazil (Bockmann & Guazzelli, 2003).

Brachyrhamdia rambarrani (Axelrod & Burgess, 1987)

Pimelodella rambarrani Axelrod & Burgess, in Axelrod, 1987: 24, figures on pp. 24–25. Type locality: reportedly from the Rio Unini, a tributary of the Rio Negro, Amazonas, Brazil. Holotype: MZUSP 37693.

Distribution: Unini River basin in upper Negro River drainage, Brazil (Bockmann & Guazzelli, 2003).

CETOPSORHAMDIA Eigenmann & Fisher, 1916

Cetopsorhamdia Eigenmann & Fisher, in Eigenmann, 1916: 83. Type species: *Cetopsorhamdia nasus* Eigenmann & Fisher, 1916. Type by original designation. Gender: Feminine.

Cetopsorhamdia boquillae Eigenmann & Fisher, 1922

Cetopsorhamdia boquillae Eigenmann & Fisher, in Eigenmann, 1922b: 37, pl. 1 (fig. 3). Type locality: Boquilla [Colombia]. Holotype: FMNH 55212.

Distribution: Cauca River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Cetopsorhamdia filamentosa Fowler, 1945

Cetopsorhamdia filamentosa Fowler, 1945c: 4, figs. 5–6. Type locality: San Ramón, Vallé de Chanchamayo, at 800 meters elevation, Peru. Holotype: ANSP 71637.

Distribution: Tulumayo River basin in upper Ucayali River drainage, Peru (Bockmann & Guazzelli, 2003).

Cetopsorhamdia iheringi Schubart & Gomes, 1959

Cetopsorhamdia iheringi Schubart & Gomes, 1959: 1, fig. 1. Type locality: Ribeirão Areia Branca, próximo à estrada carroçável para Piraçununga, bacia do Rio Mogi Guaçu, Município de Descalvado [Brazil]. Holotype: EEBP 368.

Distribution: Upper reaches of the Paraná and São Francisco River basins, Brazil (Bockmann & Guazzelli, 2003).

Cetopsorhamdia insidiosa (Steindachner, 1915)

Imparfinis insidiosus Steindachner, 1915e: 61, pl. 12 (fig. 7). Type locality: Rio branco bei Bem Querer und im Rio Surumú, einem Nebenflusse des Rio Miang [Brazil]. Syntypes: NMW 46095.

Distribution: Branco River basin, Brazil (Bockmann & Guazzelli, 2003).

Cetopsorhamdia molinae Miles, 1943

Cetopsorhamdia molinae Miles, 1943a: 26. Type locality: Bugalagrande [Colombia]. Holotype: at ICNMHN probably lost (Cala, 1981: 1).

Cetopsorhamdia shermani Schultz, 1944c: 220, pl. 2 (fig. c). Type locality: Río Guárico and tributaries between San Sebastián and San Casimiro (Orinoco system), Estado de Aragua, Venezuela. Holotype: USNM 121216.

Distribution: Magdalena, Orinoco and Tocantins River basins (Bockmann & Guazzelli, 2003); also Cauca River, Colombia (Maldonado-Ocampo *et al.*, 2005).

Cetopsorhamdia nasus Eigenmann & Fisher, 1916

Cetopsorhamdia nasus Eigenmann & Fisher, in Eigenmann, 1916: 83. Type locality: Honda, Colombia. Holotype: FMNH 58126; holotype illustrated in Eigenmann (1922b: 36, fig. 10; pl. 4, fig. 1).

Distribution: Magdalena and Cauca River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Cetopsorhamdia orinoco Schultz, 1944

Cetopsorhamdia orinoco Schultz, 1944c: 225, pl. 3 (fig. a). Type locality: Río Torbes, 1 km. above Tárriba, Orinoco system, Venezuela. Holotype: USNM 121214.

Distribution: Napo and Orinoco River basins (Bockmann & Guazzelli, 2003).

Cetopsorhamdia phantasia Stewart, 1985

Cetopsorhamdia phantasia Stewart, 1985a: 340, fig. 1. Type locality: Ecuador, Río Jivino, west of Limoncocha, approx. 0°24.6'S, 76°39.0'W. Holotype: FMNH 94601.

Distribution: Napo River basin, Ecuador (Bockmann & Guazzelli, 2003).

Cetopsorhamdia picklei Schultz, 1944

Cetopsorhamdia picklei Schultz, 1944c: 222, pl. 2 (fig. d). Type locality: Río Motatán, 4 km. above Motatán, Maracaibo basin [Venezuela]. Holotype: USNM 121217.

Distribution: Maracaibo Lake basin, Venezuela (Bockmann & Guazzelli, 2003).

CHASMOCRANUS Eigenmann, 1912

Chasmocranus Eigenmann, 1912b: 160. Type species: *Chasmocranus longior* Eigenmann, 1912. Type by original designation. Gender: Masculine.

Remarks: Named *Chasmocephalus* in Eigenmann (1910: 384) but without diagnosis or included available species; name was apparently never made available by its use with an available species name.

Chasmocranus brachynemus Gomes & Schubart, 1958

Chasmocranus brachynema Gomes & Schubart, 1958: 413, fig. 1. Type locality: Rio Mogi Guaçu, Cachoeira de Emas, Município de Piraçununga, Estado de São Paulo [Brazil]. Holotype: EEBP 617.

Distribution: Mogi Guaçu River basin in upper Paraná River drainage, Brazil (Bockmann & Guazzelli, 2003).

Chasmocranus brevior Eigenmann, 1912

Chasmocranus brevior Eigenmann, 1912b: 162, pl. 15 (fig. 1). Type locality: Waratuk, British Guiana. Holotype: FMNH 53213.

Distribution: Mana and Maroni River basins, and Potaro River, Guianas (Bockmann & Guazzelli, 2003).

Chasmocranus chimantanus Inger, 1956

Chasmocranus chimantanus Inger, 1956: 425, fig. 92. Type locality: Rio Abácapa on west side of Chimantá-tepui [Venezuela]. Holotype: FMNH 45704.

Distribution: Caroní and Carapo River basins, Orinoco River drainage, Venezuela (Bockmann & Guazzelli, 2003).

Chasmocranus longior Eigenmann, 1912

Chasmocranus longior Eigenmann, 1912b: 160, pl. 14 (fig. 2). Type locality: Amatuk, British Guiana. Holotype: FMNH 53208.

Distribution: Caribbean coastal drainages from Guyana to Surinam; Negro, Orinoco and Xingu River basins (Bockmann & Guazzelli, 2003).

Chasmocranus lopezi Miranda Ribeiro, 1968

Chasmocranus Lopezi Miranda Ribeiro, 1968: 4, fig. 2. Type locality: Corrego Quente — Cubatão ? — Estado de São Paulo — Brasil. Holotype: MNRJ 9705.

Distribution: São Paulo State, Brazil (Bockmann & Guazzelli, 2003).

Chasmocranus peruanus Eigenmann & Pearson, 1942

Chasmocranus peruanus Eigenmann & Pearson, in Eigenmann & Allen, 1942: 91, pl. 3 (figs. 3–4). Type locality: Puerto Melendez below Pongo de Manseriche, Rio Marañon. Syntypes: CAS 63627 (2).

Distribution: Upper Amazon River basin, Peru (Bockmann & Guazzelli, 2003).

Chasmocranus quadrizonatus Pearson, 1937

Chasmocranus quadrizonatus Pearson, 1937: 93. Type locality: Tingo de Pauca, Rio Marañon, Peru. Holotype: CAS 63628.

Distribution: Marañon River basin, Peru (Bockmann & Guazzelli, 2003).

Chasmocranus rosae Eigenmann, 1919

Chasmocranes Rosae Eigenmann, 1919a: 127. Type locality: Río Negro, Villavicencio [Colombia]. Holotype: FMNH 55140; holotype illustrated in Eigenmann (1922b: pl. 1, fig. 4).

Distribution: Meta River basin, Colombia (Bockmann & Guazzelli, 2003).

Chasmocranus surinamensis (Bleeker, 1862)

Heptapterus surinamensis Bleeker, 1862a: 387. Type locality: Surinama. Holotype: RMNH 2984; holotype illustrated in Bleeker (1864: 91, pl. 15, fig. 1).

Distribution: Suriname River basin (Bockmann & Guazzelli, 2003).

Remarks: Mees (1967: 226) interpreted the type locality as the Suriname River, presumably not far from Paramaribo (Bockmann & Guazzelli, 2003).

Chasmocranus truncatorostris Borodin, 1927

Chasmocranus truncatorostris Borodin, 1927b: 5, fig. 4. Type locality: Col. Hansa Joinville, Sta. Catharina Prov., Brazil. Holotype: AMNH 8640.

Distribution: Sta. Catharina Province, Brazil; known only from the type locality (Bockmann & Guazzelli, 2003).

GLADIOGLANIS Ferraris & Mago-Leccia, 1989

Gladioglanis Ferraris & Mago-Leccia, 1989: 166. Type species: *Gladioglanis machadoi* Ferraris & Mago-Leccia, 1989. Type by original designation. Gender: Masculine.

Gladioglanis conquistador Lundberg, Bornbusch & Mago-Leccia, 1991

Gladioglanis conquistador Lundberg, Bornbusch & Mago-Leccia, 1991: 192, fig. 7A. Type locality: Ecuador, Napo Province, Río Napo basin, Río Aguarico sub-basin, north tributary of Río Cuyabeno, ca 3 km above Laguna Grande de Cuyabeno, 0°1.5'S, 76°13.2'W. Holotype: FMNH 99288.

Distribution: Capim, Napo, Purus and Solimões Rivers, Amazon basin (Bockmann & Guazzelli, 2003).

Gladioglanis machadoi Ferraris & Mago-Leccia, 1989

Gladioglanis machadoi Ferraris & Mago-Leccia, 1989: 167, fig. 1. Type locality: Venezuela, Territorio Federal Amazonas, Departamento Río Negro, Caño Manu of Casiquiare canal, approx. 250 m upstream of Solano, 2°00'N, 66°57'W. Holotype: MBUCV V-16000.

Distribution: Negro and Orinoco River basins, Brazil and Venezuela (Bockmann & Guazzelli, 2003).

GOELDIELLA Eigenmann & Norris, 1900

Goeldiella Eigenmann & Norris, 1900: 353. Type species: *Pimelodus eques* Müller & Troschel, 1848. Type by original designation. Gender: Feminine.

Goeldiella eques (Müller & Troschel, 1848)

Pimelodus eques Müller & Troschel, in Schomburgk, 1848: 628. Type locality: in allen Flüssen Guiana's. Holotype: ZMB 3049. Also described as new in Müller & Troschel (1849: 5).

Distribution: Coastal Rivers of the Guianas and Amazon River basin (Bockmann & Guazzelli, 2003).

HEPTAPTERUS Bleeker, 1858

Heptapterus Bleeker, 1858b: 197, 208. Type species: *Pimelodus mustelinus* Valenciennes, 1835. Type by monotypy. Gender: Masculine.

Review: Buckup (1988, southern Brazil and Uruguay); Mees (1967, Suriname).

Heptapterus bleekeri Boeseman, 1953

Heptapterus bleekeri Boeseman, 1953: 3, fig. 1a. Type locality: Marowijne basin, Nassau Mountains in brooklet [Suriname]. Holotype: RMNH 19421 (larger of 2 specimens).

Distribution: Maroni River basin, and State of Amapá, Brazil (Bockmann & Guazzelli, 2003).

Heptapterus fissipinnis Miranda Ribeiro, 1911

Heptapterus fissipinnis Miranda Ribeiro, 1911: 240. Type locality: corrego afluyente do Rio Estrella [probably in the State of Rio de Janeiro, Brazil]. Holotype: at MNRJ (current whereabouts unknown). Misspelled *Heptapterus ñssipinnis* in heading for account.

Distribution: Stream tributary to the Estrela River, Brazil (Bockmann & Guazzelli, 2003).

Heptapterus multiradiatus Ihering, 1907

Heptapterus multiradiatus Ihering, 1907: 20. Type locality: ribeirão do Alto da Serra, Estado de S. Paulo [Brazil]. Holotype: MZUSP 294.

Distribution: Upper Tietê River basin, Brazil (Bockmann & Guazzelli, 2003).

Heptapterus mustelinus (Valenciennes, 1835)

Pimelodus mustelinus Valenciennes, 1835, in Valenciennes, 1835–47: pl. 2 (fig. 1). Type locality: Rio de la Plata. Holotype: at MNHN. Name available from caption to plate, with illustrated specimen the holotype, if recognizable; species later described in Cuvier & Valenciennes (1840b: 165; 122 of Strasbourg deluxe edition).

Heptapterus eigenmanni Steindachner, 1907e: 487. Type locality: Maldonado. Lectotype: MCZ 7597, designated by Buckup (1988: 650), but listed in the publication as MCZ 7579.

Distribution: La Plata and Uruguay River basins, and coastal drainages of southern Brazil (Bockmann & Guazzelli, 2003).

Heptapterus stewarti Haseman, 1911

Heptapterus stewarti Haseman, 1911b: 376, pl. 74. Type locality: Serrinha Paraná, in a creek about one-half mile from the Rio Iguassú. Holotype: FMNH 54234.

Distribution: Iguaçu River basin, Brazil (Bockmann & Guazzelli, 2003).

Heptapterus sympterygium Buckup, 1988

Heptapterus sympterygium Buckup, 1988: 644, fig. 1. Type locality: Canal at east side of highway BR-471 near pumping house of the Departamento Nacional de Obras de Saneamento (DNOS), 52°31'W, 32°32'S, Ecological Station of Taim (EET), Rio Grande, State of Rio Grande do Sul (RS), Brazil. Holotype: MZUSP 19179.

Distribution: Coastal lowlands of eastern Rio Grande do Sul State, Brazil (Bockmann & Guazzelli, 2003).

Heptapterus tapanahoniensis Mees, 1967

Heptapterus tapanahoniensis Mees, 1967: 223, fig. 2. Type locality: Tapanahoni, about two kilometres downstream of its confluence with the Paloemeu [Marowijne River basin, Suriname]. Holotype: RMNH 25546.

Distribution: Marowijne/Maroni and Sinnamary River basins (Bockmann & Guazzelli, 2003).

Heptapterus tenuis Mees, 1986

Heptapterus tenuis Mees, 1986: 322, fig. 3. Type locality: Crique Cascade Moyen, Maroni [French Guiana]. Holotype: RMNH 29422.

Distribution: Maroni River basin, French Guiana (Bockmann & Guazzelli, 2003).

Species inquirenda, Heptapterus

Heptapterus ornaticeps Ahl, 1936: 110. Type locality: Rio de Janeiro [probably incorrect]. Holotype: ZMB 20933. Known only from holotype, which Bockmann & Guazzelli (2003) indicated was likely to have been incorrectly reported to have originated from the vicinity of Rio de Janeiro.

HORIOMYZON Stewart, 1986

Horiomyzon Stewart, 1986b: 47. Type species: *Horiomyzon retropinnatus* Stewart, 1986. Type by original designation. Gender: Masculine.

Horiomyzon retropinnatus Stewart, 1986

Horiomyzon retropinnatus Stewart, 1986b: 48, fig. 1. Type locality: Ecuador, Napo Province, Río Napo at Añangu, just downstream from confluence with Río Añangu Cocha, lat. 0°31.6'S, long. 76°22.9'W. Holotype: FMNH 96553.

Distribution: Amazon and Napo River basins (Bockmann & Guazzelli, 2003).

IMPARFINIS Eigenmann & Norris, 1900

Imparfinis Eigenmann & Norris, 1900: 351. Type species: *Imparfinis piperatus* Eigenmann & Norris, 1900. Type by monotypy. Gender: Masculine.

Nannorhamdia Regan, 1913d: 467. Type species: *Nannorhamdia spurrellii* Regan, 1913. Type by monotypy. Gender: Feminine.

Imparfinis borodini Mees & Cala, 1989

Imparfinis longicauda Borodin, 1927b: 4, fig. 3. Type locality: Franca, Rio Grande, Prov. of S. Paulo, Brazil. Holotype: AMNH 8639. Preoccupied in *Imparfinis* by *Pimelodus (Rhamdia) longicauda* Boulenger, 1887; replaced by *Imparfinis borodini* Mees & Cala, 1989.

Imparfinis borodini Mees & Cala, 1989: 387. Type locality: Franca, Rio Grande, Prov. of S. Paulo, Brazil. Holotype: AMNH 8639. Replacement for *Imparfinis longicauda* Borodin, 1927.

Distribution: Upper Paraná, São Francisco and Tocantins River basins, Brazil (Bockmann & Guazzelli, 2003).

Imparfinis cochabambae (Fowler, 1940)

Pimelodella cochabambae Fowler, 1940c: 80, figs. 35–37. Type locality: Boca Chapare, Cochabamba, Bolivia. Holotype: ANSP 69066.

Distribution: Beni River basin, Bolivia (Bockmann & Guazzelli, 2003).

Imparfinis guttatus (Pearson, 1924)

Nannorhamdia guttatus Pearson, 1924: 11, pl. 2 (fig. 2). Type locality: Popoi River, Upper Beni [Bolivia]. Holotype: CAS 63689.

Distribution: Mamoré and Pilcomayo River basins, Bolivia and Peru (Bockmann & Guazzelli, 2003).

Imparfinis hasemani Steindachner, 1915

Imparfinis hasemani Steindachner, 1915e: 45, figs. 1–3. Type locality: Rio Surumú bei Serra do Mello, dem Rio branco bei Bem Querer und dem Rio Tapajos bei Santarem [Brazil]. Syntype: NMW 46093:1 (1).

Distribution: Branco and Tapajós River basins, Brazil (Bockmann & Guazzelli, 2003).

Imparfinis hollandi Haseman, 1911

Imparfinis hollandi Haseman, 1911b: 383, pl. 48 (fig. 2). Type locality: Porto União da Victoria, Rio Iguassú. Holotype: FMNH 54244.

Distribution: Iguaçu River basin (Bockmann & Guazzelli, 2003).

Imparfinis lineatus (Bussing, 1970)

Nannorhamdia lineata Bussing, 1970: 1, fig. 1. Type locality: Costa Rica: Puntarenas Prov., Quebrada 36 (elev. 80 m) 12 km W of Pueblo Río Claro at Interamerican Highway. Holotype: LACM 30688-1.

Distribution: Streams in Puntarenas Province, Costa Rica (Bockmann & Guazzelli, 2003).

Imparfinis longicauda (Boulenger, 1887)

Pimelodus (Rhamdia) longicauda Boulenger, 1887c: 275, pl. 20 (fig. 2). Type locality: Canelos [Ecuador]. Syn-

types: BMNH 1880.12.8.100–104 (5).

Distribution: Bobonaza River basin in upper Pastaza River drainage, Ecuador (Bockmann & Guazzelli, 2003).

Imparfinis microps Eigenmann & Fisher, 1916

Imparfinis microps Eigenmann & Fisher, in Eigenmann, 1916: 82. Type locality: Rio Negro at Villavicencio, Colombia. Holotype: FMNH 57793, illustrated in Eigenmann (1922b: 285, pl. 4, figs. 2–3). Also described as new in Eigenmann (1919a: 128).

Distribution: Meta River basin, Colombia (Bockmann & Guazzelli, 2003).

Imparfinis minutus (Lütken, 1874)

Rhamdia minuta Lütken, 1874c: 35. Type locality: in provincia Minas-geraës circa oppidulum Lagoa Santa, praecipue in flumine Rio das Velhas et affluentibus. Syntypes: ZMUC P 29661 (1), ZMUC P 29662 (1), ZMUC P 29663 (1). Illustrated and described in more detail in Lütken (1875: 179–180, pl. 3, fig. 6).

Distribution: Upper São Francisco River basin, Brazil (Bockmann & Guazzelli, 2003).

Imparfinis mirini Haseman, 1911

Imparfinis mirini Haseman, 1911a: 318, pl. 47. Type locality: Near Piracicaba above the falls of Rio Piracicabamirini [Brazil]. Holotype: FMNH 54335.

Distribution: Upper Araguaia and Paraná River basins, Brazil (Bockmann & Guazzelli, 2003).

Imparfinis nemacheir (Eigenmann & Fisher, 1916)

Nannorhamdia nemacheir Eigenmann & Fisher, in Eigenmann, 1916: 83. Type locality: Girardot, Colombia. Holotype: FMNH 58127, illustrated in Eigenmann (1922b: 41, fig. 13; pl. 4, fig. 4).

Distribution: Upper Amazon and Orinoco River basins (Bockmann & Guazzelli, 2003); Magdalena, Cauca and Patia River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Imparfinis pijpersi (Hoedeman, 1961)

Cetopsorhamdia pijpersi Hoedeman, 1961: 132, fig. 2. Type locality: Surinam: ... Sipaliwini river, sta. 43, 20 km from frontier with Brazil. Holotype: ZMA 102230.

Distribution: Corantijn River basin, Suriname (Bockmann & Guazzelli, 2003).

Imparfinis piperatus Eigenmann & Norris, 1900

Imparfinis piperatus Eigenmann & Norris, 1900: 352. Type locality: S. Paulo, Brazil. Holotype: CAS 63636.

Distribution: In tributaries of upper Paraná River and/or coastal streams of São Paulo State, Brazil (Bockmann & Guazzelli, 2003).

Imparfinis pristos Mees & Cala, 1989

Imparfinis pristos Mees & Cala, 1989: 391, fig. 3. Type locality: Colombia: ... second tributary, left side, from the mouth of the Rio Tomo, Vichada. Holotype: ICNMFH 1401.

Distribution: Negro and Orinoco River basins (Bockmann & Guazzelli, 2003).

Imparfinis pseudonemacheir Mees & Cala, 1989

Imparfinis pseudonemacheir Mees & Cala, 1989: 387, fig. 2. Type locality: Venezuela: ... Rio Tucuragua, near Caicara, Bolívar. Holotype: RMNH 30489 (37.5 mm SL specimen).

Distribution: Orinoco and Ucayali River basins (Bockmann & Guazzelli, 2003).

Imparfinis schubarti (Gomes, 1956)

Nannorhamdia schubarti Gomes, 1956: 404, fig. 1. Type locality: da Cachoeira de Emas, Rio Mogi Guaçu, e do Córrego do Tijuco Prêto, um seu afluente, Município de Pirassununga, São Paulo [Brazil]. Holotype: EEBP 379.

Distribution: Upper Paraná River basin, Brazil (Bockmann & Guazzelli, 2003).

Imparfinis spurrellii (Regan, 1913)

Nannorhamdia spurrellii Regan, 1913d: 467. Type locality: R. Condoto [Colombia]. Holotype: BMNH 1913.10.1.41.

Distribution: San Juan River basin, Colombia (Bockmann & Guazzelli, 2003).

Imparfinis stictonotus (Fowler, 1940)

Nannorhamdia stictonotus Fowler, 1940c: 66, figs. 21–22. Type locality: Todos Santos, Rio Chapare, Bolivia. Holotype: ANSP 68892.

Distribution: Mamoré/Madeira, Paraguay, and Ucayali River basins (Bockmann & Guazzelli, 2003).

LEPTORHAMDIA Eigenmann, 1918

Leptoglanis Eigenmann, 1912b: 158. Type species: *Leptoglanis essequibensis* Eigenmann, 1912. Type by original designation. Gender: Masculine. Preoccupied by *Leptoglanis* Boulenger, 1902, in fishes; replaced by *Leptorhamdia* Eigenmann, 1918.

Leptorhamdia Eigenmann, 1918a: 260. Type species: *Leptoglanis essequibensis* Eigenmann, 1912. Type by being a replacement name. Gender: Feminine. Replacement for *Leptoglanis* Eigenmann, 1912; preoccupied by *Leptoglanis* Boulenger, 1902.

Leptorhamdia essequibensis (Eigenmann, 1912)

Leptoglanis essequibensis Eigenmann, 1912b: 158, pl. 13 (fig. 2). Type locality: Crab Falls, British Guiana. Holotype: FMNH 53331.

Distribution: Essequibo and lower Tocantins River basins (Bockmann & Guazzelli, 2003).

Leptorhamdia marmorata Myers, 1928

Leptorhamdia marmorata Myers, 1928: 83. Type locality: Rock-pools at São Gabriel Rapids, Rio Negro, Brazil. Holotype: CAS 63671.

Distribution: Negro River basin, Brazil and Venezuela (Bockmann & Guazzelli, 2003).

Leptorhamdia schultzi (Miranda Ribeiro, 1964)

Rhamdella schultzi Miranda Ribeiro, 1964: 1, fig. 1. Type locality: Alto Rio Xingú [Brazil]. Holotype: MNRJ 9549.

Distribution: Upper Xingu River basin, Brazil (Bockmann & Guazzelli, 2003).

Remarks: Placement in *Leptorhamdia* follows Bizerril & Borba (1994).

MASTIGLANIS Bockmann, 1994

Mastiglanis Bockmann, 1994: 762. Type species: *Mastiglanis asopos* Bockmann, 1994. Type by original designation. Gender: Masculine.

Mastiglanis asopos Bockmann, 1994

Mastiglanis asopos Bockmann, 1994: 762, fig. 1. Type locality: Brazil, Pará, Igarapé Saracazinho, tributary of rio Trombetas, near Porto Trombetas. Holotype: MNRJ 12227.

Distribution: Amazon, Capim and Orinoco River basins (Bockmann & Guazzelli, 2003).

MYOGLANIS Eigenmann, 1912

Myoglanis Eigenmann, 1912b: 159. Type species: *Myoglanis potaroensis* Eigenmann, 1912. Type by original designation. Gender: Masculine.

Myoglanis aspredinoides Do Nascimento & Lundberg, 2005

Myoglanis aspredinoides Do Nascimento & Lundberg, 2005: 39, fig. 1. Type locality: Venezuela, Estado Amazonas, Río Ventuari, Laguna Pavón, in pool behind beach of Río Ventuari, on south side of river, ca. 12 km from its confluence with Río Orinoco; 4°4'N, 66°56'W. Holotype: MBUCV V-25388.

Distribution: Ventuari River, Orinoco River basin, Venezuela (Do Nascimento & Lundberg, 2005).

Myoglanis koepcke Chang, 1999

Myoglanis koepcke Chang, 1999: 434, fig. 1. Type locality: Peru, Departamento Loreto, Provincia Maynas, Quebrada of the Mishana camp, small tributary of the Río Nanay, 03°52'S, 73°29'W, 107 m elevation. Holotype: MUSM 10045.

Distribution: Upper Amazon River basin, Peru (Bockmann & Guazzelli, 2003).

Myoglanis potaroensis Eigenmann, 1912

Myoglanis potaroensis Eigenmann, 1912b: 159, pl. 14 (fig. 1). Type locality: Creek at Tukeit, British Guiana. Holotype: FMNH 53333.

Distribution: Essequibo River basin, Guyana (Bockmann & Guazzelli, 2003).

NANNOGLANIS Boulenger, 1887

Nannoglanis Boulenger, 1887c: 278. Type species: *Nannoglanis fasciatus* Boulenger, 1887. Type by monotypy. Gender: Masculine.

Nannoglanis fasciatus Boulenger, 1887

Nannoglanis fasciatus Boulenger, 1887c: 278, pl. 21 (fig. 3). Type locality: eastern Ecuador. Syntypes: BMNH 1880.12.8.149–150 (2).

Distribution: Napo River basin, Ecuador (Bockmann & Guazzelli, 2003).

NEMUROGLANIS Eigenmann & Eigenmann, 1889

Nemuroglanis Eigenmann & Eigenmann, 1889b: 29. Type species: *Nemuroglanis lanceolatus* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

Imparales Schultz, 1944b: 93. Type species: *Imparales mariai* Schultz, 1944. Type by original designation. Gender: Masculine.

Medemichthys Dahl, 1961: 490. Type species: *Medemichthys guayaberensis* Dahl, 1961. Type by original designation. Gender: Masculine.

Revision: Bockmann & Ferraris (2005).

Nemuroglanis lanceolatus Eigenmann & Eigenmann, 1889

Nemuroglanis lanceolatus Eigenmann & Eigenmann, 1889b: 29. Type locality: Jutahy [Brazil]. Holotype: MCZ 8169.

Distribution: Napo and Solimões River basins, Brazil and Ecuador (Bockmann & Guazzelli, 2003).

Nemuroglanis mariai (Schultz, 1944)

Imparales mariai Schultz, 1944b: 94, fig. 1. Type locality: Río Meta system at Villavicencio, Colombia (Orinoco drainage). Holotype: USNM 121251, holotype illustrated in Bockmann & Ferraris (2005: fig. 1c).

Medemichthys guayaberensis Dahl, 1961: 491, figure on p. 493. Type locality: small brook near the Expedition's camp I, on the left side of the Guayabero River [Colombia]. Holotype: probably lost (Cala, 1981).

Distribution: Meta and Guaviare River basins, Colombia (Bockmann & Guazzelli, 2003, Bockmann & Ferraris, 2005).

Nemuroglanis pauciradiatus Ferraris, 1988

Nemuroglanis pauciradiatus Ferraris, 1988a: 510, fig. 1. Type locality: Venezuela: Territorio Federal Amazonas; morichal 26.9 km from Puerto Ayacucho along Puerto Ayacucho to Caicara highway. Holotype: MBUCV V-16450.

Distribution: Negro, Orinoco and Sanabani River basins, Brazil and Venezuela (Bockmann & Guazzelli, 2003).

PARIOLIUS Cope, 1872

Pariolius Cope, 1872a: 289. Type species: *Pariolius armillatus* Cope, 1872. Type by monotypy. Gender: Masculine.

Pariolius armillatus Cope, 1872

Pariolius armillatus Cope, 1872a: 289. Type locality: the Ambyiacu [Peru]. Holotype: at ANSP; not ANSP 22004.

Distribution: Upper Amazon River basin, Brazil and Peru (Bockmann & Guazzelli, 2003).

Remarks: Redescribed in Gosline (1940a). ANSP 22004 is a trichomycterid, thus cannot be the holotype.

PHENACORHAMDIA Dahl, 1961

Phenacorhamdia Dahl, 1961: 504. Type species: *Phenacorhamdia macarenensis* Dahl, 1961. Type by original designation. Gender: Feminine.

Phenacorhamdia anisura (Mees, 1987)

Heptapterus anisurus Mees, 1987a: 451, fig. 1. Type locality: Río Guarapiche near Maturin, Monagas, Venezuela. Holotype: RMNH 30499.

Distribution: Orinoco River basin, Venezuela (Bockmann & Guazzelli, 2003).

Phenacorhamdia boliviana (Pearson, 1924)

Imparfinis bolivianus Pearson, 1924: 12, pl. 2 (fig. 3). Type locality: Huachi [Bolivia]. Syntypes: CAS 63632 (2).

Distribution: Upper Mamoré/Madeira River basin, Bolivia (Bockmann & Guazzelli, 2003).

Phenacorhamdia hoehnei (Miranda Ribeiro, 1914)

Nannoglanis hoehnei Miranda Ribeiro, 1914: 3, pl. 1 (fig. 1). Type locality: Rio Taquary, Matto Grosso [Brazil].

Lectotype: MNRJ 787A, designated by Miranda Ribeiro (1953: 403).

Distribution: Taquari River basin, Paraguay River drainage, Brazil (Bockmann & Guazzelli, 2003).

Phenacorhamdia macarenensis Dahl, 1961

Phenacorhamdia macarenensis Dahl, 1961: 504, figure on p. 507. Type locality: Caño Lozada [Colombia]. Holotype: probably lost (Cala, 1981: 1).

Distribution: Guaviare River basin, Colombia (Bockmann & Guazzelli, 2003).

Phenacorhamdia nigrolineata Zarske, 1998

Phenacorhamdia nigrolineata Zarske, 1998: 27, fig. 1. Type locality: Tierra Roja na der Strabe Campoverde — Tournavista, nahe Pucallpa, Departamento Ucayali, Peru. Holotype: MTD F 20 728.

Distribution: Ucayali River basin, Peru (Bockmann & Guazzelli, 2003).

Phenacorhamdia somnians (Mees, 1974)

Heptapterus somnians Mees, 1974: 184, fig. 36. Type locality: Sangadina, a tributary of the Rio das Mortes, 2 km from Xaventina, Mato Grosso, Brazil. Holotype: BMNH 1971.7.29.4.

Distribution: Das Mortes River basin, Brazil (Bockmann & Guazzelli, 2003).

Phenacorhamdia tenebrosa (Schubart, 1964)

Imparfinis tenebrosus Schubart, 1964a: 9, fig. 3. Type locality: Rio Mogi Guaçu, entre o pesqueiro da EE [=Estação Experimental de Piscicultura de Pirassununga] e o pesqueiro do Sr. Firmino (Faz. Graciosa) ca. 1 km abaixo da Cachoeira [Brazil]. Syntypes: EEBP 109 (1), EEBP 197 (5), EEBP 630 (4).

Distribution: Upper Paraná and São Francisco River basins, Brazil (Bockmann & Guazzelli, 2003).

Phenacorhamdia unifasciata Britski, 1993

Phenacorhamdia unifasciata Britski, 1993: 42, fig. 1. Type locality: Ribeirão Santana, afluyente do Rio São Bartolomeu (15°50'N, 47°40'W), Distrito Federal [Brazil]. Holotype: MZUSP 36691.

Distribution: Upper Paraná River basin, Brazil (Bockmann & Guazzelli, 2003).

PIMELODELLA Eigenmann & Eigenmann, 1888

Pimelodella Eigenmann & Eigenmann, 1888b: 131. Type species: *Pimelodus cristatus* Müller & Troschel, 1848. Type by original designation. Gender: Feminine.

Typhlobagrus Miranda Ribeiro, 1907b: [1]. Type species: *Typhlobagrus kronei* Miranda Ribeiro, 1907. Type by monotypy. Gender: Masculine.

Caecorhamdella Borodin, 1927a: 1. Type species: *Caecorhamdella brasiliensis* Borodin, 1927. Type by original designation. Gender: Feminine.

Revision: Eigenmann (1917b).

Review: Guazzelli (1997, southeastern Brazil).

Pimelodella altipinnis (Steindachner, 1864)

Pimelodus altipinnis Steindachner, 1864a: 37. Type locality: Britisch-Guiana. Holotype: NMW 45601. Illustrated and described in more detail in Steindachner (1864b: 213, pl. 2, figs. 3–4).

Distribution: Essequibo River basin, Guyana (Bockmann & Guazzelli, 2003).

Pimelodella australis Eigenmann, 1917

Pimelodella laticeps australis Eigenmann, 1917b: 243. Type locality: Uruguayana [State of Rio Grande do Sul, Brazil]. Holotype: FMNH 57962.

Pimelodella garbei Miranda Ribeiro, 1918d: 639. Type locality: Itaquí —Rio Grande do Sul [Brazil]. Lectotype: MNRJ 923A, designated by Miranda Ribeiro (1953: 403). Name clearly is a *lapsus* for *Pimelodella garbei*.

Distribution: Uruguay River basin, and coastal river drainages of southeastern Brazil (Bockmann & Guazzelli, 2003).

Pimelodella avanhandavae Eigenmann, 1917

Pimelodella avanhandavae Eigenmann, 1917b: 240, pl. 29 (fig. 3). Type locality: Rio Tietê at Salto Avanhandava, above the fall [Brazil]. Holotype: FMNH 57981.

Distribution: Tietê River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella boliviana Eigenmann, 1917

Pimelodella boliviana Eigenmann, 1917b: 245, pl. 31 (fig. 2). Type locality: Santa Cruz de la Sierra, Bolivia. Holotype: FMNH 57976.

Distribution: Mamoré River basin, Bolivia (Bockmann & Guazzelli, 2003).

Pimelodella boschmai Van der Stigchel, 1964

Pimelodella boschmai Van der Stigchel, 1964: 327, fig. 1. Type locality: Mogi-Guassu (river), below the Emas falls, ... Pirassununga, Brazil. Holotype: RMNH 23248.

Pimelodella insignis Schubart, 1964a: 6, fig. 1. Type locality: Rio Mogi Guaçu, abaixo do pesqueiro da EEBP; Cochoeira [sic] de Emas, na topava; Rio Mogi Guaçu, abaixo do pesqueiro; Rio Mogi Guaçu, abaixo da cachoeira; Rio Mogi Guaçu; Rio Mogi Guaçu, pesqueiro da EEBP [Brazil]. Syntypes: EEBP 497, EEBP 497 [bis], EEBP 498, EEBP 499, EEBP 620, EEBP 620a, EEBP 647.

Distribution: Mogi Guaçu River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella brasiliensis (Steindachner, 1877)

Pimelodus (Pseudorhamdia) brasiliensis Steindachner, 1877b: 608, pl. 7. Type locality: Rio Parahyba [Brazil]. Holotype: NMW 45612.

Distribution: Paraíba do Sul River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella breviceps (Kner, 1857)

Pimelodus breviceps Kner, 1857: 418. Type locality: Marabitanos [Brazil]. Holotype: NMW 45615.

Distribution: Upper Negro River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella buckleyi (Boulenger, 1887)

Pimelodus buckleyi Boulenger, 1887c: 275, pl. 20 (fig. 1). Type locality: Canelos [Ecuador]. Syntypes: BMNH 1880.12.8.98–99 (2).

Pimelodella copei Fowler, 1915a: 216, fig. 5. Type locality: Ambyiacu River, near Pebas, Ecuador. Holotype: ANSP 8362.

Distribution: Ambyiacu and Bobonaza River basins, upper Amazon basin (Bockmann & Guazzelli, 2003).

Pimelodella chagresi (Steindachner, 1876)

Pimelodus (Pseudorhamdia) Chagresi Steindachner, 1876: 584. Type locality: Rio Chagres und dessen Nebenflüsse bei Obispo [Panama]. Syntypes: at NMW.

Distribution: Chagres River basin, Panama (Bockmann & Guazzelli, 2003); Magdalena, Cauca, Patía, and Catatumbo River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Pimelodella chaparae Fowler, 1940

Pimelodella chaparae Fowler, 1940c: 75, figs. 29–30. Type locality: Boca Chapare, Cochabamba, Bolivia. Holotype: ANSP 69021.

Distribution: Beni River basin, Bolivia (Bockmann & Guazzelli, 2003).

Pimelodella conquetaensis Ahl, 1925

Pimelodella conquetaensis Ahl, 1925: 106. Type locality: Rio Coquetá [sic Caquetá], S.O. Columbian. Holotype: ZMB 32030.

Distribution: Caquetá River basin in upper Japurá River drainage, Colombia (Bockmann & Guazzelli, 2003).

Pimelodella cristata (Müller & Troschel, 1848)

Pimelodus cristatus Müller & Troschel, in Schomburgk, 1848: 628. Type locality: Takutu und Mahu [Branco River basin, Guyana]. Syntypes: ZMB 3052 (1), ZMB 3053 (1).

Distribution: Guyana and French Guiana (Bockmann & Guazzelli, 2003).

Remarks: Also cited as new in Müller & Troschel (1849: 4).

Pimelodella cruxenti Fernández-Yépez, 1950

Pimelodella cruxenti Fernández-Yépez, 1950a: 5, pl. 1 (fig. 2). Type locality: Río Autana, Venezuela. Holotype: AFY 48161; whereabouts unknown.

Distribution: Autana River, Orinoco River drainage, Venezuela (Bockmann & Guazzelli, 2003).

Pimelodella cyanostigma (Cope, 1870)

Rhamdia cyanostigma Cope, 1870b: 569. Type locality: Pebas, Ecuador. Syntypes: ANSP 8381–8383 (3).

Distribution: Ampyiacu River, upper Amazon basin, Peru (Bockmann & Guazzelli, 2003).

Pimelodella dorseyi Fowler, 1941

Pimelodella dorseyi Fowler, 1941a: 127, figs. 4–7. Type locality: Rio Salgade, Icó, Ceará [Brazil]. Holotype: ANSP 69375.

Distribution: Jaguaribe River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella eigenmanni (Boulenger, 1891)

Pimelodus (Pimelodella) eigenmanni Boulenger, 1891: 232, footnote. Type locality: Macacos [Brazil]. Holotype: BMNH 1889.11.14.6.

Distribution: Paraíba do Sul River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella eigenmanniorum (Miranda Ribeiro, 1911)

Rhamdia eigenmanniorum Miranda Ribeiro, 1911: 273. Type locality: from the Rio Parahyba and from Macacos [Brazil]. Syntypes (5): possibly MCZ 7438 (5), MCZ 7510 (1).

Distribution: Paraíba do Sul River basin and coastal rivers of Rio de Janeiro State, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella elongata (Günther, 1860)

Pimelodus elongatus Günther, 1860: 238, pl. 10 (fig. b). Type locality: Fresh waters of Esmeraldas, Ecuador. Syntypes: BMNH 1860.6.16.182–185, BMNH 1860.6.16.186–189, BMNH 1860.6.16.192, BMNH 1860.6.16.194.

Distribution: Esmeraldas River basin, Ecuador (Bockmann & Guazzelli, 2003).

Pimelodella enochi Fowler, 1941

Pimelodella enochi Fowler, 1941a: 130, figs. 12–15. Type locality: Açude Piloos, Parahyba, Brazil. Holotype: ANSP 69378.

Distribution: Paraíba River basin in Paraíba State, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella eutaenia Regan, 1913

Pimelodella eutaenia Regan, 1913d: 466. Type locality: Rio Condoto and the Rio Sipi [Colombia]. Syntypes (5, 75–145 mm TL): BMNH 1913.10.1.37–40.

Distribution: San Juan River basin, Colombia (Bockmann & Guazzelli, 2003).

Pimelodella figueroai Dahl, 1961

Pimelodella figueroai Dahl, 1961: 498, figure on p. 500. Type locality: Caño Lozada, approx. 17 kilometers above its junction with Guayabero River [Colombia]. Holotype: probably lost (Cala, 1981).

Distribution: Guaviare River basin, Colombia (Bockmann & Guazzelli, 2003).

Pimelodella geryi Hoedeman, 1961

Pimelodella geryi Hoedeman, 1961: 134. Type locality: French Guiana: ... mainland, Litany River, village Aloiké, sta. 29S. Holotype: ZMA 100168.

Distribution: Maroni River basin, Suriname (Bockmann & Guazzelli, 2003).

Pimelodella gracilis (Valenciennes, 1835)

Pimelodus gracilis Valenciennes, 1835 (in Valenciennes, 1835–47): pl. 2 (fig. 5). Type locality: [not stated]. Holotype: Possibly MNHN a-9284 or MNHN 1-9285. Name available from plate; with illustrated specimen the holotype, if identifiable. Described in Cuvier & Valenciennes (1840b: 181 (134 in Strasbourg deluxe edition)), with the locality as: Corrientes dans le Parana et les autres rivières au-dessus de 28° de latitud sud [Argentina].

Distribution: Orinoco, Amazon and La Plata River basins (Bockmann & Guazzelli, 2003).

Remarks: Bockmann & Guazzelli (2003) list MNHN a-9284 as the holotype of *Pimelodus gracilis*, but without justifying this statement. If the illustrated specimen cannot be identified, the statement of Bockmann & Guazzelli (2003) cannot be taken to be a *de facto* lectotype designation.

Pimelodella griffini Eigenmann, 1917

Pimelodella griffini Eigenmann, 1917b: 250, pl. 32 (fig. 3). Type locality: mountain rills near Sapucay, Paraguay. Holotype: FMNH 57974.

Distribution: Lower Paraguay River basin, Paraguay (Bockmann & Guazzelli, 2003).

Pimelodella grisea (Regan, 1903)

Pimelodus (Pimelodella) griseus Regan, 1903b: 625. Type locality: Durango, Sapayo and Vaqueria Rivers, NW Ecuador. Syntypes: BMNH 1902.5.27.36 (1), BMNH 1902.7.29.47 (1), BMNH 1902.7.29.58 (1).

Distribution: Durango, Sapayo and Vaqueria Rivers, NW Ecuador (Bockmann & Guazzelli, 2003).

Pimelodella hartii (Steindachner, 1877)

Pimelodus (Pseudorhamdia) Hartii Steindachner, 1877b: 611. Type locality: Rio Parahyba [Brazil]. Holotype: NMW 45784.

Distribution: Paraíba do Sul River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella hartwelli Fowler, 1940

Pimelodella hartwelli Fowler, 1940a: 222, figs. 4–7. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68644.

Distribution: Ucayali River basin, Peru (Bockmann & Guazzelli, 2003).

Pimelodella hasemani Eigenmann, 1917

Pimelodella hasemani Eigenmann, 1917b: 241, pl. 30 (fig. 1). Type locality: San Antonio de Rio Madeira. Holotype: FMNH 57980.

Distribution: Madeira River basin (Bockmann & Guazzelli, 2003).

Pimelodella howesi Fowler, 1940

Pimelodella howesi Fowler, 1940c: 77, figs. 32–34. Type locality: Boca Chapare, Chimore River, Bolivia. Holotype: ANSP 69036.

Distribution: Beni River basin, Bolivia (Bockmann & Guazzelli, 2003).

Pimelodella itapicuruensis Eigenmann, 1917

Pimelodella itapicuruensis Eigenmann, 1917b: 247, pl. 31 (fig. 3). Type locality: Queimadas, Rio Itapicurú [Brazil]. Holotype: FMNH 57986.

Distribution: Itapicurú River basin, Bahia, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella kronei (Miranda Ribeiro, 1907)

Typhlobagrus kronei Miranda Ribeiro, 1907b: [1], fig. on p. [1]. Type locality: Iguape, em águas das cavernas do Iporanga, também no estado de S. Paulo [Brazil]. Holotype: MNRJ 836.

Caecorhamdella brasiliensis Borodin, 1927a: 1, fig. 1c. Type locality: Estado de São Paulo, Brazil. Holotype: AMNH 8604.

Distribution: Caves in the Ribeira do Iguape River basin, in São Paulo State, Brazil (Bockmann & Guazzelli, 2003).

Remarks: Synonymy based on Trajano & Britski (1992); If *Caecorhamdella brasiliensis* is later determined to be a distinct species of *Pimelodella*, it would require a new name, inasmuch as it would be preoccupied in *Pimelodella* by *Pimelodella brasiliensis* (Steindachner, 1877).

Pimelodella lateristriga (Lichtenstein, 1823)

Pimelodes lateristrigus Lichtenstein, 1823: 112. Type locality: Brasilien. Holotype: ZMB 3038.

Pimelodus lateristrigus Müller & Troschel, 1849: 3. Type locality: Brasilien. Holotype: Probably ZMB 3038.

Distribution: Paraíba do Sul River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella laticeps Eigenmann, 1917

Pimelodella laticeps Eigenmann, 1917b: 243, pl. 30 (fig. 2). Type locality: Sapucay, Paraguay. Holotype: FMNH 57969.

Distribution: Lower Paraguay River basin, Paraguay (Bockmann & Guazzelli, 2003).

Pimelodella laurenti Fowler, 1941

Pimelodella laurenti Fowler, 1941a: 132, figs. 16–19. Type locality: Jatobá, Rio São Francisco, Pernambuco [Brazil]. Holotype: ANSP 69380 [incorrectly published as 19380].

Distribution: Lower São Francisco River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella linami Schultz, 1944

Pimelodella linami Schultz, 1944c: 210, pl. 1 (fig. d). Type locality: Río Torbes, 1 km. above Táriba, Orinoco system [Venezuela]. Holotype: USNM 121132.

Distribution: Orinoco River basin, Venezuela (Bockmann & Guazzelli, 2003).

Pimelodella macrocephala (Miles, 1943)

Nannorhamdia macrocephala Miles, 1943a: 25. Type locality: Valle del Cauca [Colombia]. Holotype: ICNMHN, probably lost (Cala, 1981).

Distribution: Cauca River basin, Colombia (Bockmann & Guazzelli, 2003; Maldonado-Ocampo *et al.*, 2005).

Pimelodella macturki Eigenmann, 1912

Pimelodella macturki Eigenmann, 1912b: 170, pl. 16 (fig. 1). Type locality: Creek in Mora Passage, British Guiana. Holotype: FMNH 53234.

Distribution: Approuague, Corantijn, and Nickerie River basins, and eastern coastal drainages of Suriname (Bock-

mann & Guazzelli, 2003).

Pimelodella martinezi Fernández-Yépez, 1970

Pimelodella martinezi Fernández-Yépez, 1970: pl. 35. Type locality: bajo Unare [Venezuela]. Holotype: AFY 70-403; whereabouts unknown.

Distribution: Unare River basin, Venezuela (Bockmann & Guazzelli, 2003).

Pimelodella meeki Eigenmann, 1910

Pimelodella eigenmanni Meek, 1905: 241. Type locality: Sao Paulo, Brazil. Holotype: FMNH 3400; holotype illustrated in Eigenmann (1917b: pl. 32, fig. 1). Preoccupied in *Pimelodella* by *Pimelodus* (*Pimelodella*) *eigenmanni* Boulenger, 1891; replaced by *Pimelodella meeki* Eigenmann, 1910.

Pimelodella meeki Eigenmann, 1910: 389. Type locality: São Paulo. Holotype: FMNH 3400; holotype illustrated in Eigenmann (1917b: pl. 32, fig. 1). Replacement for *Pimelodella eigenmanni* Meek, 1905.

Distribution: Tietê River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella megalops Eigenmann, 1912

Pimelodella megalops Eigenmann, 1912b: 169, pl. 15 (fig. 2). Type locality: Tumatumari, British Guiana. Holotype: FMNH 53231.

Distribution: Approuague River, French Guiana, and Essequibo River, Guyana (Bockmann & Guazzelli, 2003).

Pimelodella megalura Miranda Ribeiro, 1918

Pimelodella megalura Miranda Ribeiro, 1918d: 638. Type locality: S. Luiz de Cáceres: Matto-Grosso [Brazil]. Lectotype: MNRJ 865A, designated by Miranda Ribeiro (1953: 403).

Distribution: Upper Paraguay River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella metae Eigenmann, 1917

Pimelodella metae Eigenmann, 1917b: 244, pl. 31 (fig. 1). Type locality: Rio Negro, Villavicencio [Colombia]. Holotype: FMNH 58441.

Distribution: Meta River basin, Colombia (Bockmann & Guazzelli, 2003).

Pimelodella modesta (Günther, 1860)

Pimelodus modestus Günther, 1860: 239, pl. 10 (fig. c). Type locality: Fresh waters of Esmeraldas, Ecuador. Syntypes: BMNH 1860.6.16.190–191 (2).

Distribution: Esmeraldas River basin, Ecuador (Bockmann & Guazzelli, 2003); Patia River, Colombia (Maldonado-Ocampo *et al.*, 2005).

Pimelodella montana Allen, 1942

Pimelodella montana Allen, in Eigenmann & Allen, 1942: 100, pl. 13 (fig. 2). Type locality: Rio Huallaga, Huánuco [Peru]. Syntypes: CAS 63719 (5).

Distribution: Upper Marañón River basin, Peru (Bockmann & Guazzelli, 2003).

Pimelodella mucosa Eigenmann & Ward, 1907

Pimelodella mucosa Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 114, pl. 32 (fig. 1). Type locality: Bahia Negra [Paraguay]. Holotype: CAS 63720.

Distribution: Paraguay River basin, Paraguay (Bockmann & Guazzelli, 2003).

Pimelodella nigrofasciata (Perugia, 1897)

Pimelodus nigrofasciatus Perugia, 1897: 18. Type locality: Rio Beni, Misiones Mosetenes, Bolivia. Holotype: MSNG 8039 (reported to be missing in Eschmeyer *et al.*, 1998).

Distribution: Beni River basin, Bolivia (Bockmann & Guazzelli, 2003).

Pimelodella notomelas Eigenmann, 1917

Pimelodella notomelas Eigenmann, 1917b: 244, pl. 30 (fig. 3). Type locality: San Luiz de Cáceres [Brazil]. Holotype: FMNH 57967.

Distribution: Upper Paraguay River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella odynea Schultz, 1944

Pimelodella chagresi odynea Schultz, 1944c: 213, pl. 2 (fig. a). Type locality: Río San Juan at the bridge south of Mene Grande, Motatán system, Maracaibo basin [Venezuela]. Holotype: USNM 121133.

Distribution: Lake Maracaibo basin, Venezuela (Bockmann & Guazzelli, 2003).

Pimelodella ophthalmica (Cope, 1878)

- Pimelodus ophthalmicus* Cope, 1878: 675. Type locality: Peruvian Amazon. Holotype: ANSP 21102.
Distribution: Upper Amazon River basin, Peru (Bockmann & Guazzelli, 2003).
- Pimelodella pallida*** Dahl, 1961
Pimelodella pallida Dahl, 1961: 501, figure on p. 503. Type locality: Caño Lozada, about 500 meters above its junction with Guayabero River [Colombia]. Holotype: probably lost (Cala, 1981).
Distribution: Guaviare River basin, Colombia (Bockmann & Guazzelli, 2003).
- Pimelodella pappenheimi*** Ahl, 1925
Pimelodella pappenheimi Ahl, 1925: 107. Type locality: Rio Pedro bei Humboldt, Sta Catharina, Brasilien. Syntypes: ZMB 31951 (2).
Distribution: Itajaí-Açú, Itapocú and Cubatão River basins in Santa Catarina State, and Paranaguá River basin in Paraná State, Brazil (Bockmann & Guazzelli, 2003).
- Pimelodella parnahybae*** Fowler, 1941
Pimelodella parnahybae Fowler, 1941a: 129, figs. 8–11. Type locality: Rio Parnahyba, Therezina, Piauhy [Brazil]. Holotype: ANSP 69377.
Distribution: Parnaíba River basin, Brazil (Bockmann & Guazzelli, 2003).
- Pimelodella parva*** Güntert, 1942
Pimelodella parva Güntert, 1942: 34, fig. 4. Type locality: Río Paraguay, Paraguay. Holotype: NMBA 5302.
Distribution: Paraguay River basin, Paraguay (Bockmann & Guazzelli, 2003).
- Pimelodella pectinifer*** Eigenmann & Eigenmann, 1888
Pimelodella pectinifer Eigenmann & Eigenmann, 1888b: 132. Type locality: Campos [Brazil]. Holotype: MCZ 7508.
Distribution: Muriaé River basin, Brazil (Bockmann & Guazzelli, 2003).
- Pimelodella peruana*** Eigenmann & Myers, 1942
Pimelodella peruana Eigenmann & Myers, in Eigenmann & Allen, 1942: 101, pl. 3 (fig. 5). Type locality: Inahuaya, Rio Ucayali [Peru]. Holotype: CAS 63721.
Distribution: Ucayali River basin, Peru (Bockmann & Guazzelli, 2003).
- Pimelodella peruensis*** Fowler, 1915
Pimelodella peruense Fowler, 1915a: 214, fig. 4. Type locality: Peruvian Amazon. Holotype: ANSP 21932.
Distribution: Upper Amazon River basin, Peru (Bockmann & Guazzelli, 2003).
- Pimelodella procera*** Mees, 1983
Pimelodella procera Mees, 1983: 49, fig. 3. Type locality: French Guiana: Crique Balaté. Holotype: RMNH 28588.
Distribution: Maroni River basin, French Guiana (Bockmann & Guazzelli, 2003).
- Pimelodella reyesi*** Dahl, 1964
Pimelodella reyesi Dahl, in Dahl & Medem, 1964: 37, figure on p. 503. Type locality: Río Manso del Sinú, Colombia. Holotype: Whereabouts unknown.
Distribution: Sinú River basin, Colombia (Bockmann & Guazzelli, 2003).
- Pimelodella roccae*** Eigenmann, 1917
Pimelodella roccae Eigenmann, 1917b: 240, pl. 35 (fig. 7). Type locality: Lower Urubamba Valley. Holotype: MCZ 30975. Illustrated and described more fully in Eigenmann & Allen (1942: 98, pl. 10, fig. 4).
Distribution: Urubamba and Beni River basins of Bolivia and Peru (Bockmann & Guazzelli, 2003).
Remarks: Eigenmann & Allen (1942: 98) reported that the holotype came from: Rio Comerciato, 1800 feet elevation.
- Pimelodella rudolphi*** Miranda Ribeiro, 1918
Pimelodella rudolphi Miranda Ribeiro, 1918d: 637. Type locality: Mercado de São Paulo [Brazil]. Lectotype: MNRJ 857A, designated by Miranda Ribeiro (1953: 404).
Distribution: São Paulo State, Brazil (Bockmann & Guazzelli, 2003).
- Pimelodella serrata*** Eigenmann, 1917
Pimelodella serrata Eigenmann, 1917b: 235, pl. 29 (fig. 1). Type locality: San Joaquin, Bolivia. Holotype: FMNH 57979.
Distribution: Possibly from the Machupo River basin in upper Guaporé River drainage, Bolivia (Bockmann & Guaz-

zelli, 2003).

Pimelodella spelaea Trajano, Reis & Bichuette, 2004

Pimelodella spelaea Trajano, Reis & Bichuette, 2004: 317, fig. 1. Type locality: Brazil, State of Goiás, São Domingos, upper Tocantins River basin, subterranean stream tributary to São Bernardo River inside São Bernardo Cave, 13°49'S, 46°21'W. Holotype: MZUSP 81726.

Distribution: subterranean stream tributary to São Bernardo River inside São Bernardo Cave, Tocantins River basin, Brazil (Trajano *et al.*, 2004: 319).

Pimelodella steindachneri Eigenmann, 1917

Pimelodella steindachneri Eigenmann, 1917b: 237. Type locality: Maues, Rio Madeira... Para... Cudajas... Santarem... Rio Puty... Manacapuru [Brazil]. Syntypes: MCZ 7542a, MCZ 7566a–b, MCZ 7567a, MCZ 7547a, MCZ 7587a, MCZ 7588a.

Distribution: Amazon River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella taeniophora (Regan, 1903)

Pimelodus (Pimelodella) taeniophorus Regan, 1903b: 625. Type locality: Descalvados, Matto Grosso [Brazil]. Syntypes: BMNH 1895.5.17.27–28 (2).

Distribution: Paraguay River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella taenioptera Miranda Ribeiro, 1914

Pimelodella taenioptera Miranda Ribeiro, 1914: 5, figure on p. 5. Type locality: Tapyrapoan, Rio Sepotuba [Mato Grosso, Brazil]. Lectotype: MNRJ 691A, designated by Miranda Ribeiro (1953: 404).

Distribution: Upper Paraguay River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella tapatapae Eigenmann, 1920

Pimelodella tapatapae Eigenmann, 1920a: 5. Type locality: Mouth of Rio Tapa Tapa, Venezuela. Holotype: CAS 57469.

Distribution: Tapa Tapa River basin in Lake Valencia drainage, Venezuela (Bockmann & Guazzelli, 2003).

Pimelodella transitoria Miranda Ribeiro, 1907

Pimelodella transitoria Miranda Ribeiro, 1907a: 186. Type locality: Ribeirão do Alambary —Iporanga [Brazil]. Holotype: at MNRJ.

Distribution: Ribeira de Iguape River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella vittata (Lütken, 1874)

Pseudorhamdia vittatus Lütken, 1874c: 34. Type locality: in flumine Rio das Velhas, in rivulis affluentibus, lacusculisque vicinis [Brazil]. Syntypes: ZMB 9175, ZMUC P 29652–ZMUC P 29657 (1 each).. Illustrated and described in more detail in Lütken (1875: 173–174, figure on p. 173).

Distribution: Upper São Francisco River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella wessellii (Steindachner, 1877)

Pimelodus (Pseudorhamdia) Wessellii Steindachner, 1877b: 614, footnote. Type locality: Essequibo [Guyana]. Holotype: NMW 79188.

Distribution: Essequibo River basin, Guyana (Bockmann & Guazzelli, 2003).

Pimelodella witmeri Fowler, 1941

Pimelodella witmeri Fowler, 1941a: 133, figs. 20–22. Type locality: Rio Jaguaribe, Orós, Ceará [Brazil]. Holotype: ANSP 69383.

Distribution: Jaguaribe River basin, Brazil (Bockmann & Guazzelli, 2003).

Pimelodella yuncensis Steindachner, 1902

Pimelodella yuncensis Steindachner, 1902: 135. Type locality: Pacasmayo, Nord Peru. Holotype: at NMW.

Distribution: Jequetepeque River basin, Peru (Bockmann & Guazzelli, 2003).

Species inquirenda, Pimelodella

Pimelodus bahianus Castelanu, 1855: 35, pl. 16, fig. 2. Type locality: eaux douces des environs de Bahia [Brazil]. Syntypes: MNHN b-0612 (2). Tentatively assigned to *Pimelodella* in Silfvergrip (1996: 16). Not treated in Bockmann & Guazzelli, 2003).

Pimelodella rendahli Ahl, 1925: 106. Type locality: [No locality stated]. Holotype: ZMB 32031; known only from holotype.

RHAMDELLA Eigenmann & Eigenmann, 1888

Rhamdella Eigenmann & Eigenmann, 1888b: 129. Type species: *Rhamdia eriarcha* Eigenmann & Eigenmann, 1888. Type by original designation. Gender: Feminine. Originally proposed as a subgenus of *Rhamdia*.

Rhamdella aymarae Miquelarena & Menni, 1999

Rhamdella aymarae Miquelarena & Menni, 1999: 203, fig. 1. Type locality: Argentina, Salta Province, Río Itiyuro, 500 m below the Itiyuro Dam, route 34 between Estación Pocitos and Araguay, 22°07'S, 63°11'W. Holotype: ILPLA 611.

Distribution: Itiyuro River basin, Argentina (Bockmann & Guazzelli, 2003).

Rhamdella eriarcha (Eigenmann & Eigenmann, 1888)

Rhamdia eriarcha Eigenmann & Eigenmann, 1888b: 129. Type locality: Rio Grande do Sul [Brazil]. Holotype: MCZ 27272.

Rhamdella straminea Cope, 1894: 93, pl. 8 (fig. 10). Type locality: Rio Grande do Sul [Brazil]. Syntypes (5): Possibly ANSP 21604 (1), ANSP 39835–36 (2), ANSP 21581–84 (4), ANSP 23216 (1).

Rhamdella lemai Bertolotti, 1967: 78, fig. 2. Type locality: Pôrto Alegre, Guaíba River (Ponta Grossa) [Brazil]. Holotype: MRCN 1897.

Distribution: Jacuí River basin, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella exsudans (Jenyns, 1842)

Pimelodus exsudans Jenyns, 1842 in Jenyns, 1840–42: 111. Type locality: ? Rio de Janeiro [Brazil]. Syntypes: Department of Zoology, University of Cambridge V.132 (2).

Distribution: Rio de Janeiro State, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella gilli (Starks, 1906)

Rhamdia gilli Starks, 1906: 769, pl. 65 (fig. 1). Type locality: Eten, Peru, in the Rio Eten. Holotype: USNM 53472.

Distribution: Eten River basin, Peru (Bockmann & Guazzelli, 2003).

Rhamdella ignobilis Steindachner, 1907

Rhamdella ignobilis Steindachner, 1907e: 484. Type locality: Flusse Cubataõ um Staate Santa Catharina bei Thereopolis (Brasilien). Syntypes: at NMW.

Distribution: Cubatão River basin in Santa Catarina State, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella jenynsii (Günther, 1864)

Pimelodus jenynsii Günther, 1864: 128. Type locality: Rio de Janeiro [Brazil]. Type(s): at Department of Zoology, University of Cambridge. Name based on one or more specimens identified in Jenyns (1840–42: 110) as *Pimelodus gracilis*, which were deposited at the University of Cambridge.

Distribution: Rio de Janeiro State, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella leptosoma Fowler, 1914

Rhamdella leptosoma Fowler, 1914: 260, fig. 12. Type locality: Rupununi River, British Guiana ... in the highlands of British Guiana, approximately secured in North Latitude 2° to 3°, and West Longitude 50°20'. Holotype: ANSP 39340.

Distribution: Rupununi River basin, Guyana (Bockmann & Guazzelli, 2003).

Rhamdella longipinnis Borodin, 1927

Rhamdella longipinnis Borodin, 1927b: 6. Type locality: Prov. St. Paulo, Brazil. Holotype: AMNH 8642.

Distribution: São Paulo State, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella longiuscula Lucena & da Silva, 1991

Rhamdella longiuscula Lucena & da Silva, 1991: 32, figs. 2a, 3a. Type locality: Brasil: Rio Grande do Sul: arroio Passo do Alto, próximo a localidade de Mineral, São Nicolau (aproximadamente 55°20'O — 28°08'S). Holotype: MCP 14441.

Distribution: Middle Uruguay River basin, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella montana Eigenmann, 1913

Rhamdella montana Eigenmann, 1913: 421, pl. 32 (fig. 1). Type locality: Queta. Small brook in highlands southeast

of Tarma [Peru]. Holotype: FMNH 56067.

Distribution: Ucayali River basin, Peru (Bockmann & Guazzelli, 2003).

Rhamdella papariae Fowler, 1941

Rhamdella papariae Fowler, 1941a: 135, figs. 27–30. Type locality: Lago Papary, Rio Grande do Norte, Brazil. Holotype: ANSP 69387.

Distribution: Lake Parary basin (?), Brazil (Bockmann & Guazzelli, 2003).

Rhamdella robinsoni Fowler, 1941

Rhamdella robinsoni Fowler, 1941a: 135, figs. 23–26. Type locality: São José do Egito, Pernambuco [Brazil]. Holotype: ANSP 69386.

Distribution: Lower São Francisco River basin, Brazil (Bockmann & Guazzelli, 2003).

Rhamdella rusbyi Pearson, 1924

Rhamdella rusbyi Pearson, 1924: 12, pl. 2 (fig. 4). Type locality: Rio Colorado, Lower Bopi, Bolivia. Holotype: CAS 63728.

Distribution: Beni River basin, Bolivia (Bockmann & Guazzelli, 2003).

Rhamdella wolfi Fowler, 1941

Rhamdella wolfi Fowler, 1941a: 136, figs. 31–34. Type locality: Rio Choró, Ceará [Brazil]. Holotype: ANSP 69388. Distribution: Choró River basin, Brazil (Bockmann & Guazzelli, 2003).

RHAMDIA Bleeker, 1858

Pteronotus Swainson, 1839: 190, 309. Type species: *Heterobranchus 5-tentaculatus* Sp. Ag. [*sic Heterobranchus 6-tentaculatus* Spix & Agassiz, 1829; = *Heterobranchus sextentaculatus*]. Type by original designation. Gender: Masculine. Preoccupied by *Pteronotus* Gray, 1837 in Mammalia, not replaced. See Miller (1905) for comments.

Rhamdia Bleeker, 1858b: 197, 207. Type species: *Pimelodus sebae* Cuvier, 1829. Type by subsequent designation by Gill (1861c: 48). Gender: Feminine.

Pimelenotus Gill, 1858: 387. Type species: *Pimelenotus wilsoni* Gill, 1858. Type by subsequent designation by Eigenmann & Eigenmann (1890: 116). Gender: Masculine. Listed a *Pimelotus* on p. 387, but corrected in printed corrigenda to *Pimelenotus*.

Caecorhamdia Norman, 1926c: 325. Type species: *Caecorhamdia urichi* Norman, 1926. Type by monotypy. Gender: Feminine.

Revision: Silfvergrip (1996).

Phylogeny: Perdices *et al.* (2002, Central American species).

Remarks: The name *Rhamdia micayi* Eigenmann (in Pearson, 1924: 11) has been treated in some literature as available, and as a valid species. However, the name was originally published without distinguishing features (Bockmann & Guazzelli, 2003) and has apparently not yet been made available.

Rhamdia enfurnada Bichuette & Trajano, 2005

Rhamdia enfurnada Bichuette & Trajano, 2005: 589, fig. 1. Type locality: Brazil, southwestern State of Bahia, Serra do Ramalho, município de Coribe, Povoado de Descoberto, Gruna do Enfurnado (13°38'44"S 44°12'05.9"W, elevation 628 m), middle São Francisco River basin. Holotype: MZUSP 87776.

Distribution: Gruna do Enfurnado (13°38'44"S 44°12'05.9"W, elevation 628 m), Serra do Ramalho, Bahia State, middle São Francisco River basin, northeastern Brazil (Bichuette & Trajano, 2005).

Rhamdia foina (Müller & Troschel, 1848)

Pimelodus foina Müller & Troschel, in Schomburgk, 1848: 628. Type locality: an den felsenreichen Stellen des Takutu [Guyana]. Holotype: ZMB 3039. Also cited as new in Müller & Troschel (1849: 5).

Rhamdia holomelas rupununi Fowler, 1914: 258, fig. 11. Type locality: Rupununi River, British Guiana ... in the highlands of British Guiana, approximately secured in North Latitude 2° to 3°, and West Longitude 50°20'. Holotype: ANSP 39339.

Distribution: Essequibo River, Guyana; Branco, Negro, Tocantins, and Trombetas River basins, Brazil (Bockmann & Guazzelli, 2003).

Rhamdia guasarensis Do Nascimento, Provenzano & Lundberg, 2004

Rhamdia guasarensis Do Nascimento, Provenzano & Lundberg, 2004: 565, figs. 1–4. Type locality: Surgencia del

Tigre at 2.5 km W of Cerro Yolanda, Río Guasare basin, Sierra de Perijá, Estado Zulia, Venezuela (10°52'53"N, 72°30'03"W. Holotype: MBUCV V-29604.

Distribution: Guasare River basin, northwestern Venezuela (Do Nascimento *et al.*, 2004).

Rhamdia humilis (Günther, 1864)

Pimelodus humilis Günther, 1864: 129. Type locality: Venezuela. Lectotype: BMNH 1965.2.19.1, designated by Silfvergrip (1996: 25).

Rhamdia guairensis Eigenmann, 1920a: 6. Type locality: Río Guaire near Caracas [Venezuela]. Lectotype: CAS 76655, illustrated in, and designated by, Silfvergrip (1996: 34, pl. 1, figs. 3, 4).

Nannorhamdia benedettii Fernández-Yépez & Martín Salazar, 1952: 35, figure on p. 37. Type locality: Quebrada Ojo de Agua, Baruta [Venezuela]. Holotype: MHNLS 82.

Distribution: Rivers around Caracas, along the Caribbean coast of Venezuela (Bockmann & Guazzelli, 2003).

Rhamdia itacaiunas Silfvergrip, 1996

Rhamdia itacaiunas Silfvergrip, 1996: 83, pl. 2 (fig. 1). Type locality: Brazil, Est. Amazonas, Rio Tocantins basin, 'Igarapé Repartimento'. Holotype: INPA 7985.

Distribution: Middle Tocantins River basin, Brazil (Bockmann & Guazzelli, 2003).

Rhamdia jequitinhonha Silfvergrip, 1996

Rhamdia jequitinhonha Silfvergrip, 1996: 84, pl. 3 (fig. 2). Type locality: Brasil, Est. Minas Gerais, Rio Araçuaí, Santa Rita. Holotype: MZUSP 38630.

Distribution: Jequitinhonha River basin, Brazil (Bockmann & Guazzelli, 2003).

Rhamdia laluchensis Weber, Allegrucci & Sbordoni, 2003

Rhamdia laluchensis Weber, Allegrucci & Sbordoni, 2003: 275, fig. 1. Type locality: Mexico: Chiapas: Municipio Ocozocoautla, subterranean watercourse in Sistema de La Lucha (17°03'40"N, 93°53'23"W), entrance approximately 5 km southwest of village of Aguablanca situated at extreme eastern shore of Malpaso Reservoir (Presa Nezahualcoyotl). Holotype: ZMH 9373.

Distribution: Chiapas, Mexico; known only from type locality (Weber *et al.*, 2003).

Rhamdia laticauda (Kner, 1857)

Pimelodus laticaudus Kner, 1857: 420. Type locality: Mexico. Syntypes: at NMW (not found; Silfvergrip, 1996: 16).

Pimelodus hypselurus Günther, 1864: 126. Type locality: Mexico. Holotype: BMNH 1858.11.22.32.

Pimelodus motaguensis Günther, 1864: 127. Type locality: Río Motagua. Holotype: BMNH 1865.4.29.39.

Pimelodus petenensis Günther, 1864: 126. Type locality: Lake Peten. Holotype: BMNH 1864.1.26.371.

Pimelodus polycaulus Günther, 1864: 131. Type locality: Río San Geronimo, Guatemala. Holotype: BMNH 1864.1.26.93.

Pimelodus salvini Günther, 1864: 130. Type locality: Río de San Geronimo, Guatemala. Holotype: BMNH 1861.8.2.16.

Pimelodus (Rhamdia) brachypterus Cope, 1867: 404. Type locality: Orizava, Mexico. Holotype: ANSP 16471.

Rhamdia sacrificii Barbour & Cole, 1906: 156, pl. 2. Type locality: Sacrificial Cenote, near Chichen Itza, Yucatan [Mexico]. Lectotype: MCZ 29073, designated by Silfvergrip (1996: 30).

Rhamdia cabreræ Meek, 1906: 93. Type locality: Amatitlan, Guatemala. Holotype: FMNH 5501.

Pimelodus brachycephalus Regan, 1907b: 258. Type locality: Guatemala, Río Nacasil. Lectotype: BMNH 1875.6.9.5, designated by Silfvergrip (1996: 31).

Pimelodus Rogersi Regan, 1907b: 259. Type locality: Costa Rica, Irazú. Lectotype: BMNH 1907.2.11.1, designated by Silfvergrip (1996: 31).

Rhamdia regani Meek, 1907b: 144. Type locality: Turrialba, Costa Rica. Holotype: FMNH 6019.

Rhamdia underwoodi Regan, 1907, in Regan, 1906–08: 135, pl. 23 (fig. 4). Type locality: Costa Rica, Juan Viñas. Lectotype: BMNH 1907.6.28.33, designated by Silfvergrip (1996: 32).

Rhamdia amatitlanensis Fowler, 1936a: 518, fig. 10. Type locality: Stream issuing from Lake Amatitlan [Guatemala]. Holotype: ANSP 64136.

Rhamdia laticauda typhla Greenfield, Greenfield & Woods, 1982: 564, fig. 1. Type locality: A cave in Belize, in an area known as Las Cuevas, near Millionario in the Mountain Pine Ridge (16°45'N 89°00'W). Holotype: FMNH

71605.

Rhamdia zongolicensis Wilkens, 1993: 375, fig. 1. Type locality: Cueva del Ostoc, Sierra de Zongolica (Veracruz, Mexico), road from Comalapa to Tezonapa. Holotype: ZMH 9249.

Distribution: Atlantic slope river basins from central Mexico to northern Panama, in (Miller *et al.*, 2005).

Rhamdia laukidi Bleeker, 1858

Rhamdia laukidi Bleeker, 1858b: 208. Type locality: Venezuela, Est. Amazonas, first Río Casiquiare caño, ca. 5 min. from confluence of Río Casiquiare and Río Orinoco left side, Caño Caripo, ca. 3 km from mouth; 03 06'N, 65 50'W. Neotype: ANSP 174652, illustrated in, and designated by, Silfvergrip (1996: 17, pl. 3, figs. 3, 4).

Pimelodus holomelas Günther, 1863: 442. Type locality: Essequibo [Guyana]. Lectotype: BMNH 1864.1.21.8, designated by Silfvergrip (1996: 23).

Rhamdia tenella Eigenmann & Eigenmann, 1888b: 127. Type locality: Cudajas [Brazil]. Holotype: MCZ 7547.

Distribution: Amazon, Essequibo, and Orinoco River basins (Bockmann & Guazzelli, 2003).

Rhamdia macuspanensis Weber & Wilkens, 1998

Rhamdia macuspanensis Weber & Wilkens, 1998: 1000, fig. 3. Type locality: Watercourse in the Grutas de Agua Blanca, Balneario de Agua Blanca at km 64.9 of the road 186 (carretera federal) from Villahermosa to Chetumal, ca. 20 km se. of Macuspana, Tabasco, Mexico (17°37'15.5"N, 92°28'22.6"W). Holotype: ZMH 8874.

Distribution: Grutas de Agua Blanca, at the northern edge of the Sierra del Norte de Chiapas, Tabasco, Mexico (Weber & Wilkens, 1998).

Rhamdia muelleri (Günther, 1864)

Pimelodus mülleri Günther, 1864: 119. Type locality: Para, Brazil; River Capin, Para, Brazil; Surinam [restricted to River Capin by lectotype designation]. Lectotype: BMNH 1849.11.8.101 (133.6 mm SL), designated by Silfvergrip (1996: 23).

Pimelodus (Rhamdia) Knerii Steindachner, 1877b: 631, footnote. Type locality: Marabitanos [Brazil]. Lectotype: NMW 45790, designated by Silfvergrip (1996: 27).

Rhamdia obesa Eigenmann & Eigenmann, 1888b: 124. Type locality: Teffé [Brazil]. Holotype: MCZ 7518.

Distribution: Amazon, Ampyiacu, Aripuanã, Capim, Essequibo, Madeira, Negro, Orinoco, Solimões, Tocantins and Trombetas River basins (Bockmann & Guazzelli, 2003).

Remarks: Lectotype of *Pimelodus mülleri* Günther, 1864, incorrectly listed by Silfvergrip (1996) and elsewhere as: BMNH 1849.11.8.

Rhamdia nicaraguensis (Günther, 1864)

Pimelodus nicaraguensis Günther, 1864: 125. Type locality: Lake of Nicaragua. Holotype: BMNH 1864.1.26.212.

Pimelodus managuensis Günther, 1867c: 603. Type locality: Lake Managua [Nicaragua]. Holotype: BMNH 1865.7.20.37.

Rhamdia alfaroi Fowler, 1932b: 382, figure on p. 381. Type locality: Escobal, 400 meters elevation, Costa Rica. Holotype: ANSP 53934.

Rhamdia luigiana Villa, 1977: 133, fig. 1. Type locality: Nicaragua: Departamento de Granada; Lake Nicaragua, between Ometepe and Zapatera Islands. Holotype: USNM 217535.

Distribution: Rivers of Costa Rica and Nicaragua (Bockmann & Guazzelli, 2003).

Rhamdia parryi Eigenmann & Eigenmann, 1888

Rhamdia Parryi Eigenmann & Eigenmann, 1888b: 130. Type locality: Rio Zanaleneo, near Tonalá, Chiapas, Mexico. Lectotype: MCZ 27273, designated by Silfvergrip (1996: 29).

Distribution: Pacific draining rivers of Central America, from Tapanatepec River, Mexico, to southern Guatemala (Miller *et al.*, 2005).

Remarks: Treated by Silfvergrip (1996) and Bockmann & Guazzelli (2003) as a synonym of *Rhamdia laticauda* (Kner), but valid in Miller *et al.* (2005).

Rhamdia poeyi Eigenmann & Eigenmann, 1888

Rhamdia poeyi Eigenmann & Eigenmann, 1888b: 127. Type locality: Goyaz [Brazil]. Holotype: MCZ 8196.

Distribution: Mamoré, and Tocantins River basins, Brazil, and upper Napo River, Ecuador (Bockmann & Guazzelli, 2003).

Rhamdia quelen (Quoy & Gaimard, 1824)

- ? *Silurus quadrimaculatus* Bloch, 1794: 37, pl. 368 (fig. 2). Type locality: Amerika. Holotype: ZMB 2944 (probably lost; Silfvergrip, 1996: 9).
- ? *Silurus erythropterus* Bloch, 1794: 42, pl. 369, fig. 2. Type locality: Amerika. Syntypes: ZMB 3048 (1), ZMB 8786 (1).
- Pimelodus quelen* Quoy & Gaimard, 1824, in Freycinet, 1824–1825: 228, pl. 49 (fig. 3). Type locality: Peru, Depto Loreto, right bank quebradita tributary to R. Samiria between Caño Pastos and Hamburgo, by neotype designation. Neotype: NRM 16091, illustrated in, and designated by, Silfvergrip (1996: 12, 97, 139: pl. 7, figs. 2, 3).
- Pimelodus sebae* Cuvier, 1829: 294. Type locality: Peru, Depto Loreto, right bank quebradita tributary to R. Samiria between Caño Pastos and Hamburgo, by neotype designation. Neotype: NRM 16091, designated by Silfvergrip (1996: 13). Name made available by reference to Seba (1734–1765: pl. 29, fig. 5), for which the underlying specimen is apparently lost.
- Pimelodus namdia* Cuvier, 1829: 294. Type locality: Peru, Depto Loreto, right bank quebradita tributary to R. Samiria between Caño Pastos and Hamburgo, by neotype designation. Neotype: NRM 16091, designated by Silfvergrip (1996: 12).
- ? *Heterobranchus sextentaculatus* Spix & Agassiz, 1829: 28, pl. 11. Type locality: Peru, Depto Loreto, right bank quebradita tributary to Río Samiria between Caño Pastos and Hamburgo, by neotype designation. Neotype: NRM 16091, designated by Silfvergrip (1996: 13). As *Heterobranchus 6-tentaculatus* on caption to plate.
- Pimelodus sapo* Valenciennes, 1835 (in Valenciennes, 1835–47): pl. 2 (fig. 6). Type locality: [not stated]. Holotype: MNHN 0000-1576. Name available from plate; described in Cuvier & Valenciennes (1840b: 179; 133 of Strasbourg deluxe edition), with type locality given as: Buéno-Ayres.
- Pimelodus Hilarii* Valenciennes, in Cuvier & Valenciennes, 1840b: 180 (134 in Strasbourg deluxe edition). Type locality: les rivières qui se jettent dans celle de Saint-François au Brésil ... Monté-Vidéo [restricted to: Saint-François, by lectotype designation]. Lectotype: MNHN a-9415, designated by Silfvergrip (1996: 14, 147).
- Pimelodus Pentlandii* Valenciennes, in Cuvier & Valenciennes, 1840b: 183 (135 in the Strasbourg deluxe edition), pl. 435. Type locality: de l'Apurimac. Lectotype: BMNH 1862.11.15.11, designated by Silfvergrip (1996: 14, 139).
- Pimelodus Stegeliichii* Müller & Troschel, in Schomburgk, 1848: 628. Type locality: Britisch-Guiana. Lectotype: ZMB 3043 (182.2 mm SL), designated by Silfvergrip (1996: 15). Also reported as new, with types listed as coming from Surinam in Müller & Troschel (1849: 3).
- Pimelodus Sellonis* Müller & Troschel, 1849: 2. Type locality: Brasilien. Holotype: ZMB 3041.
- Pimelodus Deppei* Müller & Troschel, 1849: 3. Type locality: Sandwich-Inseln [in error; (Silfvergrip, 1996: 15) indicated that the specimens were probably from southern Mexico]. Lectotype: ZMB 3046, designated by Silfvergrip (1996: 15, 133).
- Pimelodus musculus* Müller & Troschel, 1849: 4. Type locality: America. Holotype: ZMB 3048. Holotype is also a syntype of *Silurus erythropterus* Bloch, 1794.
- Pimelenotus Vilsoni* Gill, 1858: 391. Type locality: Trinidad. Holotype: possibly USNM 5927 (Silfvergrip, 1996: 22).
- Pimelodus cinerascens* Günther, 1860: 237, pl. 10 (fig. a). Type locality: Fresh waters of Guayaquil and Esmeraldas, Ecuador. Lectotype: BMNH 1860.6.16.193, designated by Silfvergrip (1996: 22, 134).
- Pimelodus guatemalensis* Günther, 1864: 122. Type locality: Guatemala, Huamuchal. Lakes with brackish water. Lectotype: BMNH 1864.1.26.210, designated by Silfvergrip (1996: 24).
- Pimelodus wuchereri* Günther, 1864: 123. Type locality: Bahia. Lectotype: BMNH 1864.1.19.18, designated by Silfvergrip (1996: 24).
- Pimelodus godmanni* Günther, 1864: 124. Type locality: Guatemala, Mexico ... Lower Vera Paz ... Rio Motagua ... Mexico. Syntypes: BMNH 1856.3.17.39–40 (2), BMNH 1856.3.17.38 (1), BMNH 1864.1.26.99–100 (2). Lectotype designation of BMNH 1864.1.26.94 by Silfvergrip (1996: 24, 133), is invalid, inasmuch as the stated locality of that specimen: Rio San Geronimo is not one of the localities reported in Günther and, therefore, the specimen was not one of the original syntypes.
- ? *Pimelodus micropterus* Günther, 1864: 124. Type locality: Guatemala ... River of San Geronimo. Holotype: BMNH 1864.1.26.92.

- Pimelodus (Rhamdia) Baronis Mülleri* Troschel, in Müller, 1865: 636. Type locality: Still. Oc. Type (s): Probably lost (Silfvergrip, 1996: 25). Silfvergrip (1996: 25) interpreted the locality of the original types as western Mexico.
- Pimelodus wagneri* Günther, 1868c: 474. Type locality: Pacific and Atlantic rivers of Panama. Type(s): at NMW. Type series may include NMW 45618, 45619 (Silfvergrip, 1996: 26). Species based on specimens from “Rio Chagres, Guajaquil und Neu-Granada” in Kner & Steindachner (1864: 52) identified as *Pimelodella cinerascens*.
- Rhamdia dorsalis* Gill, 1870: 94. Type locality: the Marañon, or Upper Amazon, and Napo Rivers. Holotype: USNM 35334.
- Pimelodus (Rhamdia) Parahybae* Steindachner, 1877b: 615. Type locality: Rio Parahyba, Brasilien. Syntypes: NMW 45852.
- Pimelodus (Rhamdia) Queleni cuprea* Steindachner, 1877b: 623. Type locality: aus dem Parahyba bei Juiz de Fora (im mittleren lauf des Stromes). Lectotype: NMW 45877: 1, designated by Silfvergrip (1996: 146). Originally as *Pimelodus (Rhamdia) Queleni* (var. *cuprea*).
- Pimelodus (Rhamdia) Cuyabae* Steindachner, 1877b: 633, footnote. Type locality: Cuyaba. Lectotype: NMW 45919: 1, designated by Silfvergrip (1996: 28).
- Rhamdia bransfordii* Gill, 1877: 337. Type locality: Panama ... Camp Marie Caretta. Holotype: USNM 16674.
- Pimelodus bathyurus* Cope, 1878: 674. Type locality: Peruvian Amazon. Lectotype: ANSP 21437, designated by Silfvergrip (1996: 28).
- Rhamdia oaxacae* Meek, 1902: 74, pl. 14. Type locality: Rio Quiotepec, Cuicatlan, Oaxaca, Mexico. Holotype: FMNH 3716 (Originally published as 3717, see FMNH online catalog).
- Rhamdia depressa* Barbour & Cole, 1906: 155, pl. 1. Type locality: Ikil Cenote, near Chichen-Itza, Yucatan [Mexico]. Lectotype: MCZ 29072, designated by Silfvergrip (1996: 30, 133).
- Rhamdia barbata* Meek, 1907a: 106. Type locality: San Francisco, Guatemala. Holotype: FMNH 5906.
- Pimelodus Boucardi* Regan, 1907b: 258. Type locality: Yucatan. Holotype: BMNH 1880.7.13.33.
- Rhamdia heteracantha* Regan, 1907, in Regan, 1906–08: 134. Type locality: Costa Rica, Juan Viñas. Holotype: BMNH 1907.6.28.32.
- Rhamdia nasuta* Meek, 1909: 207. Type locality: Buenos Aires de Terraba, Costa Rica. Holotype: FMNH 6480.
- Rhamdia branneri* Haseman, 1911b: 377, pl. 75. Type locality: Creek of the Rio Iguassú near Serrinha, Paraná, Brazil. Holotype: FMNH 54235.
- Rhamdia branneri voulezi* Haseman, 1911b: 378, pl. 76. Type locality: Porto União da Victoria, Rio Iguassú. Holotype: FMNH 54238.
- Rhamdia mounseyi* Regan, 1913c: 282. Type locality: River Ucayali, Peru. Lectotype: BMNH 1913.7.30.13, designated by Silfvergrip (1996: 33, 139).
- Rhamdia riojae* Fowler, 1915a: 209, fig. 2. Type locality: Rioja, near Moyabamba and Baka Puerto, on or near the lower course of the Huallagua River, Peru. Holotype: ANSP 21101.
- Rhamdia ortonii* Fowler, 1915a: 211, fig. 3. Type locality: Peruvian Amazon. Holotype: ANSP 21928.
- Rhamdia microps* Eigenmann, in Eigenmann & Fisher, 1917: 394, pl. 38. Type locality: Uruguayana. Holotype: FMNH 58285.
- Rhamdia pubescens* Miranda Ribeiro, 1920: 11, sixth unnumbered plate. Type locality: Urucum (proximo de Corumbá), Matto-Grosso [Brazil]. Lectotype: MNRJ 925A, designated by Miranda Ribeiro (1953: 404), but perhaps specimen not isolated. Lectotype also selected by Silfvergrip (1996: 34), and listed as MNRJ 925.
- Silurus ribularis* Larrañaga, 1923: 376. Type locality: Peru, Depto Loreto, right bank quebradita tributary to R. Samiria between Caño Pastos and Hamburgo, by neotype designation. Neotype: NRM 16091, designated by Silfvergrip (1996: 35). Name spelled *Silurus rivularis* in Silfvergrip (1996) and Bockmann & Guazzelli (2003), the latter of which includes a comment that *ribularis* is a misspelling, but no internal evidence supporting that claim was found.
- Silurus 9-radiatus* Larrañaga, 1923: 385. Type locality: Peru, Depto Loreto, right bank quebradita tributary to R. Samiria between Caño Pastos and Hamburgo. Neotype: NRM 16091, designated by Silfvergrip (1996: 35). Apparently an alternate new name for *Silurus ribularis* Larrañaga, 1923.

Caecorhamdia urichi Norman, 1926c: 325, fig. 1. Type locality: Pool in interior of the Guacharo Cave, Trinidad. Lectotype: BMNH 1926.7.28.1 (99.7 mm SL, smaller of 2 specimens), designated by Silfvergrip (1996: 35).

Rhamdia guatemalensis muriei Hubbs, 1935: 7, pl. 4 (fig. 1). Type locality: a stagnant aguada ... at edge of swamp, in the high tropical "bush" region at Uaxactun, Petén, Guatemala. Holotype: UMMZ 97881.

Rhamdia guatemalensis decolor Hubbs, 1936: 201, pl. 1 (fig. 3). Type locality: Mexico ... San Bulha Cave, Motul, Yucatan. Holotype: UMMZ 102217.

Rhamdia guatemalensis stygaea Hubbs, 1936: 203, pl. 1 (fig. 2). Type locality: Mexico ... San Isidro Cave in Salar Colony, near Merida. Holotype: UMMZ 102218.

Rhamdia saijaensis Rendahl, 1941: 2. Type locality: Rio Saija, südl. von Buenaventura, zwischen B. und Guapi, Kolumbiens. Holotype: NRM 10675.

Rhamdia duquei Eigenmann & Pearson, in Eigenmann & Allen, 1942: 93. Type locality: Rio Urubamba, Santa Ana. Syntypes: SU 57895 (36). Although the original description indicates the type series consisted of a "type" and paratypes, there were no characteristics presented to indicate which of the specimens was considered the holotype. As such, the type series must be treated as syntypes.

Rhamdia sebae Martyi Güntert, 1942: 33. Type locality: Riactis Canâwé, Dept. Ita, Paraguay. Holotype: NMBA 5279.

Rhamdia lehmanni Dahl, 1961: 487, figure on p. 489. Type locality: a small pool in a brook tributary to the Guayabero River, approx. 1500 meters from Expedition's camp No. 1, and about 1000 meters from the mouth of the brook, on the left side of the river. Holotype: probably lost (Cala, 1981; Silfvergrip, 1996: 37).

Distribution: Rivers from Mexico to central Argentina (Bockmann & Guazzelli, 2003).

***Rhamdia reddelli* Miller, 1984**

Rhamdia reddelli Miller, 1984: 136, fig. 1. Type locality: Cueva del Nacimiento del Río San Antonio, ca. 9 km SW of Acatlán, Oaxaca, on Atlantic slope of eastern Mexico. Holotype: UMMZ 211164; illustrated in Miller *et al.* (2005: 175, fig. 6-185).

Distribution: Caves of Papaloapan River basin, Atlantic slope, Mexico (Miller *et al.*, 2005).

Remarks: Treated as a synonym of *Rhamdia laticauda* (Kner) by Silfvergrip (1996) and Bockmann & Guazzelli, (2003).

***Rhamdia xetequepeque* Silfvergrip, 1996**

Rhamdia xetequepeque Silfvergrip, 1996: 98, pl. 2 (fig. 3). Type locality: Peru, Jequetepeque River, just W of Chilte (06°19'90"S, 78°25'90"W). Holotype: ROM 70112.

Distribution: Jequetepeque River basin, Peru (Bockmann & Guazzelli, 2003).

RHAMDIOGLANIS Ihering, 1907

Rhamdioglanis Ihering, 1907: 16. Type species: *Rhamdioglanis frenatus* Ihering, 1907. Type by original designation. Gender: Masculine.

***Rhamdioglanis frenatus* Ihering, 1907**

Rhamdioglanis frenatus Ihering, 1907: 16. Type locality: riverlets of the Island of S. Sebastião, State of S. Paulo. Lectotype: MZUSP 154, designated by Britski (1969: 205).

Distribution: Streams in the Island of São Sebastião, São Paulo State, Brazil (Bockmann & Guazzelli, 2003).

***Rhamdioglanis transfasciatus* Miranda Ribeiro, 1908**

Rhamdioglanis transfasciatus Miranda Ribeiro, 1908b: [3]. Type locality: Rio Bethary [Brazil]. Syntypes: MNRJ 965 (2).

Distribution: Coastal streams of Brazil from Rio de Janeiro to Santa Catarina State (Bockmann & Guazzelli, 2003).

RHAMDIOPSIS Haseman, 1911

Rhamdiopsis Haseman, 1911b: 375. Type species: *Rhamdiopsis moreirai* Haseman, 1911. Type by monotypy. Gender: Feminine.

***Rhamdiopsis microcephala* (Reinhardt, 1874)**

Rhamdia microcephala Reinhardt, in Lütken, 1874c: 35. Type locality: in flumine Rio das Velhas. Syntypes: ZMUC P 29658 (1), ZMUC P 29659 (1), ZMUC P 29660 (1). Illustrated and described in more detail in Lütken

(1875: 177–179, pl. 3, fig. 7).

Distribution: Upper Paraná and São Francisco River basins, Brazil (Bockmann & Guazzelli, 2003).

***Rhamdiopsis moreirai* Haseman, 1911**

Rhamdiopsis moreirai Haseman, 1911b: 375, pl. 73. Type locality: Serrinha Paraná, Rio Iguassú. Holotype: FMNH 54372.

Distribution: Iguaçú and Ribeira de Iguape River basins, Brazil (Bockmann & Guazzelli, 2003).

TAUNAYIA Miranda Ribeiro, 1918

Taunayia Miranda Ribeiro, 1918d: 642. Type species: *Taunayia marginata* Miranda Ribeiro, 1918. Type by monotypy. Gender: Feminine.

***Taunayia bifasciata* (Eigenmann & Norris, 1900)**

Nannoglanis bifasciatus Eigenmann & Norris, 1900: 350. Type locality: S. Paulo, Brazil. Holotype: CAS 75771.

Taunayia marginata Miranda Ribeiro, 1918d: 642. Type locality: Piquete [Brazil]. Holotype: MZUSP 2273; holotype illustrated in Oliveira & Britski (2000: 129, fig. 1).

Distribution: Upper Paraíba do Sul and Tietê River basins, Brazil (Bockmann & Guazzelli, 2003).

Remarks: Synonymy based on Oliveira & Britski (2000), in which the species is redescribed.

Species inquirenda, Heptapteridae

Pimelodus velifer Humboldt, in Humboldt & Valenciennes, 1821: 171. Type locality: Río Magdalena, Colombia. No types known.

† **HYPSIDORIDAE** Grande, 1987

† Hypsidoridae Grande, 1987: 28. Type genus: †*Hypsidoris* Lundberg & Case, 1970.

1 genus, 2 species, all taxa based only on fossils.

† **HYPSIDORIS** Lundberg & Case, 1970

† *Hypsidoris* Lundberg & Case, 1970: 452. Type species: †*Hypsidoris farsonensis* Lundberg & Case, 1970. Type by original designation. Gender: Feminine.

† ***Hypsidoris farsonensis* Lundberg & Case, 1970.**

† *Hypsidoris farsonensis* Lundberg & Case, 1970: 452, pls. 1–2; text figs. 1–2. Type locality: Laney Shale member, Green River Formation, Sweetwater County, near Farson, Wyoming. Holotype: PU 20570 (impressions of complete skeleton, in dorsal and ventral view); holotype illustrated in Grande (1987: figs. 1–2).

Distribution: Early Middle Eocene Lake Gosiute deposits of the Laney Shale Member (Grande, 1987).

† ***Hypsidoris oregonensis* Grande & de Pinna, 1998**

† *Hypsidoris oregonensis* Grande & de Pinna, 1998: 454, figs. 3–10. Type locality: Clarno Formation, Jefferson County, north central Oregon. Holotype: FMNH PF10719 (impression of nearly complete skeleton).

ICTALURIDAE Gill, 1861

Ictaluri Gill, 1861c: 49. Type genus: *Ictalurus* Rafinesque, 1820.

Ameiurina Günther, 1864: 98. Type genus: *Ameiurus* Rafinesque, 1820.

Ichthaelurinae Meek, 1904: 10. Type genus: *Ichthaelurus* Cope, 1868.

† Astephinae Grande & Lundberg, 1988: 146. Type genus: †*Astephus* Cope, 1873.

Reviews: Lundberg (1975, fossil forms).

Identification guide: Page & Burr (1991, Canada and U.S.).

Checklist: Espinosa Pérez, *et al.* (1993, Mexico).

Phylogeny: Le Grande (1981, chromosomal evolution); Hardman (2002); Lundberg (1982, 1992).

7 genera, 64 species; 1 fossil genus and 14 fossil species.

AMEIURUS Rafinesque, 1820

Ameiurus Rafinesque, 1820c: 359. Type species: *Silurus lividus* Rafinesque, 1820. Type designated by plenary powers (ICZN, Opinion 1584; see Bailey & Robins, 1988, for justification). Gender: Masculine. Also described as new in Rafinesque (1820a: 65). Originally proposed as subgenus of *Ictalurus*.

Amiurus Agassiz, 1846: 17. Type species: *Silurus lividus* Rafinesque, 1820. Unjustified emendation of *Ameiurus* Rafinesque, 1820. Gender: Masculine.

Gronias Cope, 1864: 231. Type species: *Gronias nigrilabris* Cope, 1864. Type by monotypy. Gender: Masculine.

Remarks: See Bailey & Robins (1988) for information on type species.

Relationships: Hardman & Page (2003).

Ameiurus brunneus Jordan, 1877

Amiurus brunneus Jordan, 1877a: 366. Type locality: South Fork of Ocmulgee R., at Flat Shoals, Georgia. Lectotype: USNM 20148, designated by Jordan & Evermann (1896: 142).

Distribution: Atlantic coast basins from southern Virginia to Georgia; Gulf Coast basins of Georgia, Alabama and Florida (Page & Burr, 1991).

Ameiurus catus (Linnaeus, 1758)

Silurus catus Linnaeus, 1758: 305. Type locality: America; Asia [the latter in error]. No types known; based on illustrations in Catesby (1731–1743: pl. 23), and Marcgravius (1648: 173).

Pimelodus albidus Lesueur, 1819: 148. Type locality: la Delaware [River]. Type(s): Whereabouts unknown (Gilbert, 1998).

Pimelodus lynx Girard, 1859b: 160. Type locality: Potomac River, in a deep run, a tributary of Patapsco River, and at Carlisle, Pa [U. S. A.]. Syntypes: at USNM, but not found.

Ichthaelurus Kevinskii Stauffer, 1869: 578. Type locality: Susquehanna River drainage, Lancaster Co., Pennsylvania. Holotype: Whereabouts unknown.

Ichthaelurus McCaskei Stauffer 1869: 578. Type locality: Shenk's Ferry, Susquehanna River (or tributary thereof), Lancaster Co., Pennsylvania. Holotype: Whereabouts unknown.

Amiurus lophius Cope, 1870a: 487. Type locality: Washington, D. C. market, which came from the lower course of the Potomac River. Syntypes (3): ANSP 8461–62 (2).

Amiurus niveiventris Cope, 1870a: 488. Type locality: Neuse River, N. Ca. [North Carolina, U.S.A.]. Syntypes: ANSP 8466–67 (2).

Distribution: Atlantic and Gulf coast drainages from Hudson River to Pascagoula River, Mississippi; introduced elsewhere (Page & Burr, 1991).

† ***Ameiurus hazenensis*** (Baumgartner, 1982)

† *Ictalurus (Amiurus) hazenensis* Baumgartner, 1982: 38. Type locality: Laminated diatomaceous beds of Miocene Middle Truckee Formation (ca. 39° 31'36"N, 119° 06'27"W), Two Tips Quadrangle, T19N, R26E, Sec. 7 (center), near Nazen, Churchill County, Nevada. Holotype: UMMP V74320 (anterior portion of fish).

Distribution: Churchill County, Nevada, Middle Truckee Formation; Miocene.

† ***Ameiurus lavetti*** (Lundberg, 1975)

† *Ictalurus lavetti* Lundberg, 1975: 31, fig. 4 a–e; pl. 11, fig. a. Type locality: Sec. 7, T. 11 S, R. 37 W, Old Vincent Ranch, 22 mi. NE of Wallace, Logan County, Kansas; middle Pliocene.

Distribution: Olallala Group, Logan County Kansas, and Basal Ash Hollow formation, South Dakota; lower to middle Pliocene (Lundberg, 1975).

† ***Ameiurus leidy*** (Lundberg, 1975)

† *Ictalurus leidy* Lundberg, 1975: 35, fig. 4 f; pl. 5, fig. a, pl. 8, fig. k. Type locality: Observation Quarry, NW 1/4, SE 1/4, Sec. 4, T. 31 N, R. 47 W, Dawes County, Nebraska; early Miocene. Holotype: AMNH 10509 (nearly complete skull).

Distribution: Observation Quarry, Nebraska; Valentine Formation, Nebraska; Ash Hollow Formation, Nebraska; lower Pliocene (Lundberg, 1975).

† ***Ameiurus macgrewi*** (Lundberg, 1975)

† *Ictalurus macgrewi* Lundberg, 1975: 29, fig. 3; pl. 10, fig. a. Type locality: Banks of Horse Creek, Sec. 3, T. 17 N, R. 66 W, Laramie County, Wyoming; middle Miocene. Holotype: University of Wyoming 3298.
Distribution: Banks of Horse Creek, Laramie County, Wyoming; middle Miocene (Lundberg, 1975).

Ameiurus melas (Rafinesque, 1820)

Silurus melas Rafinesque, 1820b: 51. Type locality: Ohio River. No types known. Also described as new as *Pimelodus melas* in Rafinesque (1820a: 66 and 1820c: 360).

Pimelodus catulus Girard, 1858b: 208, pl. 41 (figs. 4–6). Type locality: Fort Smith, Arkansas. Syntypes: USNM 926 (1), USNM 927 (5, missing).

Pimelodus confinis Girard, 1859b: 159. Type locality: Root River, near Racine, Wis. Syntypes: MCZ 35993 (1), USNM 1514 (7), USNM 1515 (3).

Pimelodus cupreoides Girard, 1859b: 159. Type locality: Aux Plaines, Ill. Syntypes: USNM 1497 (4).

Amiurus obesus Gill 1861b: 45. Type locality: Nebraska. Syntypes: USNM 8968 (3).

Amiurus brachyacanthus Cope, 1880: 35. Type locality: Wallace Creek, headwaters of Medina River, Bandera Co., Texas. Syntypes: ANSP 20527–28 (2).

Amiurus cragini Gilbert, 1884: 10. Type locality: “The Lake” (a blind arm of the Arkansas River), at Garden City, Finney Co., Kansas. Holotype: USNM 36814. Also appeared as new (and synonymized in a footnote) in Gilbert (1885: 512).

Distribution: North American Great Lakes, Hudson Bay, Mississippi River basin and Gulf Coast basins; introduced elsewhere (Page & Burr, 1991).

Ameiurus natalis (Lesueur, 1819)

Pimelodus natalis Lesueur, 1819: 154. Type locality: Haut-Canada. No types known. Placed on Official List (ICZN, Opinion 1584).

Silurus lividus Rafinesque, 1820b: 50. Type locality: Ohio River. No types known. As *Pimelodus lividus* in Rafinesque (1820a: 65; and 1820c: 359).

Silurus lividus fuscatus Rafinesque, 1820b: 51. Type locality: Ohio River. No types known. Originally as *Silurus lividus* var. *fuscatus*.

Silurus (Pimelodus) coenosus Richardson, 1836: 132. Type locality: Penetanguisheue, Lake Huron. Holotype: Whereabouts unknown.

Pimelodus ailurus Girard, 1858b: 210. Type locality: Lake Amelia, near Fort Snelling, Minnesota. Syntypes: USNM 904 (2, originally 1), USNM 905 (1, missing).

Pimelodus antoniensis Girard, 1858b: 209. Type locality: Near San Antonio, Tex. Holotype: USNM 923.

Pimelodus felinus Girard, 1858b: 209. Type locality: Trib. of Gypsum creek, Canadian. Lectotype: USNM 924, designated by Jordan & Evermann (1896: 140).

Pimelodus puma Girard, 1859b: 160. Type locality: Charleston, S. C. [South Carolina]. Holotype: USNM 1536.

Amiurus natalis analis Jordan, 1877c: 87, pl. 18 (fig. 31). Type locality: Little Red River, Judsonia, White Co., Arkansas. Holotype: USNM 31088 (missing).

Amiurus erebennus Jordan, 1877c: 85, pl. 13 (figs. 19–20). Type locality: St. John's River, Florida. Holotype: USNM 19093.

Amiurus bolli Cope, 1880: 35. Type locality: Little Wichita River, in northern Texas. Syntypes: ANSP 20512–13 (2).

Amiurus prosthistiis Cope, 1884a: 132. Type locality: Batsto River, Mullica System, New Jersey. Syntypes: ANSP 20546–49 (4).

Distribution: Atlantic and Gulf coast drainages, from New York to northern Mexico, Great Lakes and Mississippi River basin (Page & Burr, 1991).

Remarks: *Amiurus erebennus* Jordan, 1877, was treated as a valid subspecies in Gilbert (1998).

Ameiurus nebulosus (Lesueur, 1819)

Pimelodus nebulosus Lesueur, 1819: 149. Type locality: Philadelphie la Delaware. No types known.

Pimelodus atrarius De Kay, 1842: 185, pl. 36 (fig. 116). Type locality: Wappinger's Creek, trib. to Hudson R., Dutchess Co., New York. Syntypes: New York State coll. (whereabouts unknown; Gilbert, 1998).

Pimelodus pullus DeKay, 1842: 184, pl. 37 (fig. 117). Type locality: Lake Pleasant, Lake Janet and other lakes in n. districts, New York. Syntypes: New York State coll. (whereabouts unknown; Gilbert, 1998).

Pimelodus vulgaris Thompson, 1842: 138. Type locality: Lake Champlain, Vermont. Holotype: Whereabouts unknown.

? *Pimelodus felis* Agassiz, 1850: 281. Type locality: Lake Superior. Type(s): Whereabouts unknown.

Pimelodus marmoratus Holbrook, 1855: 54, pl. 6 (fig. 4). Type locality: Altamaha River, Georgia. Holotype: USNM 9031. As *Pimelodus marginatus* on table of plates (p. 58).

Pimelodus marginatus Holbrook, 1855: 58, pl. 6 (fig. 4). Type locality: Altamaha River, Georgia. Holotype: USNM 9031. Name made available from table of plates for illustration corresponding to species account of *Pimelodus marmoratus* Holbrook.

Pimelodus dekayi Girard, 1859b: 160. Type locality: Oswego, Lake Ontario, and in four mile creek, near Oswego [New York]. Syntypes: USNM 1512 (missing), USNM 1513 (4).

Pimelodus hoyi Girard, 1859b: 159. Type locality: In the neighborhood of Racine, Wis. Syntypes: MCZ 35945 (1), USNM 1539 (3).

Pimelodus vulpeculus Girard, 1859b: 160. Type locality: Charleston, S.C. [South Carolina]. Holotype: USNM 1530.

Gronias nigrilabris Cope, 1864: 231. Type locality: Conestoga Creek, trib. to Susquehanna River, Lancaster Co., Pennsylvania. Syntypes: ANSP 22082–83 (2).

Amiurus mississippiensis Cope, 1870a: 486. Type locality: Mispillion Creek, a sluggish stream in the southern part of the State of Delaware. Holotype: ANSP 8536.

Ictalurus nebulosus pannonicus Harka & Pinter, 1990: 69, figs. 3–4. Type locality: Tisza R. at Poroszló, Hungary. Holotype: MNSB 87.1.1. [Name based on an introduced population.]

Distribution: Atlantic and Gulf coast drainages, from Canada to Alabama; Great Lakes, Hudson Bay, and Mississippi River basin; introduced elsewhere in North America (Page & Burr, 1991); also in Europe and New Zealand.

Remarks: *Pimelodus marmoratus* Holbrook, 1855, was treated as a valid subspecies, with no synonyms, in Gilbert (1998).

† *Ameiurus pectinatus* (Cope, 1874)

† *Ictalurus pectinatus* Cope, 1874a: 49. Type locality: Florissant lake beds, Oligocene, Florissant, Colorado. Holotype: USNM 4086.

Distribution: Florissant lake beds, Colorado; Oligocene (Lundberg, 1975).

Ameiurus platycephalus (Girard, 1859)

Pimelodus platycephalus Girard, 1859b: 161. Type locality: In the neighborhood of Anderson, S.C. [South Carolina]. Lectotype: ANSP 8473, designated by Yerger & Relyea (1968: 364).

Distribution: Atlantic drainages of Virginia, the Carolinas, and Georgia (Page & Burr, 1991).

† *Ameiurus reticulatus* Smith, Morgan & Gustafson, 2000

† *Ameiurus reticulatus* Smith, Morgan and Gustafson, 2000: 16, figs. 9 b, c. Type locality: Blufftop local fauna, Ringold Formation, Franklin Co., Washington; middle Pliocene. Holotype: UMMP 104009, complete mandible.

Distribution: Ringold Formation, Washington; Miocene (Smith, Morgan and Gustafson, 2000).

† *Ameiurus sawrockensis* (Smith, 1962)

† *Ictalurus sawrockensis* Smith, 1962: 527, fig. 8. Type locality: Beaver locality, Sawrock Canyon, west side of Sec. 36, T. 34 S, 312 W. Seward County, Kansas; upper Pliocene. Holotype: UMMP V37066 (pectoral-fin spine).

† *Ictalurus benderensis* Smith, 1962: 527, fig. 9. Type locality: Bender local fauna, Rexroad formation above Rexroad local fauna, Cottrell pasture NW 1/4, SE 1/4, Sec. 16., T. 33 S, R. 29 W. Mead County, Kansas, upper Pliocene. Holotype: UMMP V37664 (pectoral-fin spine).

Distribution: Sawrock Canyon local fauna, Rexroad Formation, Kansas; upper Pliocene (Lundberg, 1975).

Ameiurus serracanthus (Yerger & Relyea, 1968)

Ictalurus serracanthus Yerger & Relyea, 1968: 373, fig. 4. Type locality: N. shore of Lake Talquin, 6.8 mi. west-southwest of Ochlockonee R., Gadsden Co., Florida. Holotype: USNM 231711.

Distribution: Gulf Coast drainages of northern Florida, western Georgia, and eastern Alabama (Page & Burr, 1991).

† *Ameiurus vespertinus* (Miller & Smith, 1967)

† *Ictalurus vespertinus* Miller & Smith, 1967: 15. Type locality: roadcuts on state highway 45 about 1.5 mi. SE of Fossil Butte, sec. 16, T. 4 S, R 1 W. Glens Ferry Formation, lacustrine facies, late Pliocene. Holotype: UMMP

V55561 (right lower jaw).

† *Ictalurus peregrinus* Lundberg, 1975: 39, fig. 5 a–e; pl. 7, fig. c, d; pl. 8, fig. a. Type locality: Sec. 14, T. 21 S, R. 37 E, Malheur County, Oregon. Upper member of the Juntura Formation, Black Butte local fauna. Holotype: UO 28035 (pectoral spine).

Distribution: Glenns Ferry Formation; Chalk Hills Formation; Chalk Butte Formation; Rome Beds, Oregon; Juntura Formation, Black Butte local fauna, Pliocene-Pleistocene (Lundberg, 1975).

Remarks: Synonymy based on Lundberg (1992).

Species inquirenda, Ameiurus

Silurus Xanthocephalus Rafinesque, 1820b: 51. Type locality: Ohio, Kentucky and Licking rivers. No types known. See also Rafinesque (1820a: 66; and 1820c: 360) as *Pimelodus Xanthocephalus*.

† **ASTEPHUS** Cope, 1873

† *Astephus* Cope, 1873: 638. Type species: *Pimelodus antiquus* Leidy, 1873. Type by subsequent designation by Lundberg (1975: 5). Gender: Masculine. Originally proposed as a subgenus of *Rhineastes* Cope.

Remarks: Placement within the Ictaluridae follows Grande & Lundberg (1988).

Revision: Grande & Lundberg (1988).

Phylogenetic position: Grande & Lundberg (1988).

† *Astephus antiquus* (Leidy, 1873)

† *Pimelodus antiquus* Leidy, 1873a: 99. Type locality: Bridger Formation, junction of Big Sandy and Green River, Wyoming. Holotype: USNM 2179 (pectoral spine, dentary). Illustrated and described in more detail in Leidy (1873b: 193, pl. 322, figs. 44–45). Holotype also illustrated in Lundberg (1975: fig. 1d; pl. 7, fig. f) and Grande & Lundberg (1988: fig. 1a).

† *Rhineastes arcuatus* Cope, 1873: 641. Type locality: Bridger Formation, Wyoming. Holotype: USNM 3985 (pectoral spine); holotype illustrated in Grande & Lundberg (1988: fig. 1b).

† *Rhineastes calvus* Cope, 1873: 640. Type locality: Bridger Formation, Mammoth Buttes, South Bitter Creek, Wyoming. Holotype: USNM 3980 (partial neurocranium); holotype illustrated in Cope (1884b: 65, pl. 5, figs. 3–4), Lundberg (1975: pl. 4, fig. c), and Grande & Lundberg (1988: fig. 1c).

† *Ameiurus primaevus* Eastman, 1917: 293. Type locality: not data [almost certainly Green River Shales, Wyoming]. Holotype: USNM 8122 (nearly complete fish); holotype illustrated in Grande & Lundberg (1988: fig. 1e).

Distribution: Bridger Formation and Green River Formation (Lundberg, 1975).

Remarks: Synonymy follows Grande & Lundberg (1988), which treats the brief comments in Leidy (1873a: 99) as sufficient to make the name *Pimelodus antiquus* available. However Woodward (1901: 329) treated *Rhineastes arcuatus* as valid, with *Pimelodus antiquus* as a synonym, based on the observation that the account of *P. antiquus* in Leidy (1873a: 99) did not make the name available (*nomen nudum*) and the first description by Leidy (1873b: 193) that made the name available was published after that of *R. arcuatus* Cope.

† *Astephus resimus* Lundberg, 1975

† *Astephus resimus* Lundberg, 1975: 9, pl. 4, figs. a, b. Type locality: Bridger B Formation, middle Eocene; Pinnacle Rock between Little America and Twin Buttes, Bridger Basin, Sweetwater County, Wyoming. Holotype: USNM 18104 (nearly complete neurocranium); holotype illustrated in Grande & Lundberg (1988: fig. 2).

Distribution: Bridger B formation, Wyoming; middle Eocene; known only from type specimen (Lundberg, 1975).

ICTALURUS Rafinesque, 1820

Ictalurus Rafinesque, 1820c: 355. Type species: *Silurus cerulescens* Rafinesque, 1820. Type by subsequent designation by Gill (1861a: 49). Gender: Masculine. Originally proposed as a subgenus of *Pimelodus*.

Elliopterus Rafinesque, 1820c: 356. Type species: *Silurus maculatus* Rafinesque, 1820. Type by subsequent designation by Jordan & Gilbert (1877: 87). Gender: Masculine. Proposed as a section of the subgenus *Ictalurus*. Also proposed as new in Rafinesque (1820a: 62).

Synechoglanis Gill, 1859a: 39. Type species: *Synechoglanis beadlei* Gill, 1859. Type by monotypy. Gender: Masculine.

line.

Ichthaelurus Cope, 1868: 237. Type species: *Silurus cerulescens* Rafinesque, 1820. Type by being a replacement name. Unjustified emendation of *Ictalurus* Rafinesque, 1820. Gender: Masculine.

Villarius Rutter, 1896: 256. Type species: *Villarius pricei* Rutter, 1896. Type by subsequent designation by Jordan & Evermann (1898: 2789). Gender: Masculine.

Haustor Jordan & Evermann, 1896: 135. Type species: “*Gadus lacustris* Walbaum, 1792”, now *Pimelodus nigricans* Le Sueur, 1819 [see Remarks]. Type fixed by provision of Art. 70.3 (ICZN, 1999). Gender: Masculine. Originally proposed as a subgenus of *Ameiurus*.

Istlarius Jordan & Snyder, 1899: 118. Type species: *Istlarius balsanus* Jordan & Snyder, 1899. Type by original designation. Gender: Masculine.

Ichthyaelurus Meek, 1904: 10. Type species: *Silurus cerulescens* Rafinesque, 1820. Type by being a replacement name. Unjustified emendation of *Ictalurus* Rafinesque, 1820. Gender: Masculine.

Systematics: Smith (1987, fossil forms).

Remarks: The generic name *Haustor* was originally proposed as a subgenus of *Ameiurus*, with the type species *Gadus lacustris* Walbaum, a species that, at that time, was considered to be an ictalurid catfish [but see Speirs (1952) for the current placement of that name as a species of *Lota*]. Jordan (1920: 473) clarified his earlier usage of *Gadus lacustris* as type species by equating that name with *Pimelodus nigricans* Le Sueur, 1819, which is treated here as a junior synonym of *Ictalurus punctatus*. I interpret Jordan’s action as consistent with the provisions of the Code that cover the discovery of a misidentified type species (Art. 70.3) and selection of a new type species that reflects the “taxonomic species actually involved in the misidentification (Art. 70.3.2).” As such, the name *Haustor* must be retained as a genus of ictalurid catfish with *Pimelodus nigricans* Le Sueur, 1819 as its type.

Ictalurus australis (Meek, 1904)

Amiurus australis Meek, 1904: 13. Type locality: Rio Forlón, Forlón, Tamaulipas, México. Holotype: FMNH 4474. Distribution: Blanco to Panuco Rivers, Vera Cruz, Mexico (Espinosa Pérez, *et al.*, 1993).

Ictalurus balsanus (Jordan & Snyder, 1899)

Istlarius balsanus Jordan & Snyder, 1899: 118, fig. 2. Type locality: Río Ixtla at Puente de Ixtla, Morelos, Mexico. Holotype: SU 6149.

Istlarius balsanus occidentalis de Buen, 1946b: 119. Type locality: Río Huámito at La Huacana, Río Balsas drainage, Michoacan, Mexico. Syntypes: Whereabouts unknown.

Distribution: Balsas River basin, Mexico (Espinosa Pérez, *et al.*, 1993).

Ictalurus dugesii (Bean, 1880)

Amiurus dugèsii Bean, 1880b: 304. Type locality: Río Turbio, Guanajuato, Mexico. Lectotype: USNM 23123, illustrated in, and designated by (in plate caption), Jordan & Evermann (1900: 3236, pl. 26).

Distribution: Lerma-Santiago, Ameca, Armeria basins and Chapala Lake, Mexico (Espinosa Pérez, *et al.*, 1993).

† ***Ictalurus echinatus*** Lundberg, 1975

† *Ictalurus echinatus* Lundberg, 1975: 25, pl. 7, figs. a, i. Type locality: Verdigre Quarry on the E bank of an unnamed tributary of Verdigre Creek, in the NW 1/4, SE 1/4, Sec. 16, T. 29 N, R. 7 W, approximately 7.5 mi S and 5.5 mi W of the town of Verdigre, Knox County, Nebraska. Valentine Formation, late Miocene or early Pliocene. Holotype: UW 3290.

Distribution: Valentine Formation, Nebraska; late Miocene or early Pliocene (Lundberg, 1975).

Ictalurus furcatus (Valenciennes, 1840)

Pimelodus furcatus Valenciennes, in Cuvier & Valenciennes, 1840b: 136 (102 in Strasbourg deluxe edition). Type locality: l’Ohio ... le Wabash, ... le Mississipi. Syntypes: MNHN a-8834 (1), MNHN a-9458 (1), MNHN a-8402 (1).

Pimelodus affinis Baird & Girard, 1854: 26. Type locality: Rio Grande del Norte. Lectotype: USNM 838, designated by Gilbert (1998: 206). Specimen listed as a type illustrated in Evermann & Kendall (1894: 126, pl. 13, top), possibly qualifies as an earlier lectotype designation if illustrated specimen is identifiable.

Amiurus meridionalis Günther, 1864: 102. Type locality: Rio Usumacinta, Guatemala. Syntypes: BMNH 1865.4.29.38 (1), BMNH 1865.4.29.41–42 (2); one syntype illustrated in Günther (1868c: pl. 81, fig. 1).

Amiurus ponderosus Bean, 1880a: 286. Type locality: Mississippi River near St. Louis. Holotype: USNM 287439 (skeleton) and USNM 23388 (cast).

Distribution: Mississippi River basin; Gulf Coast basins from Alabama to Mexico (Page & Burr, 1991), and southward to the Usumacinta River basin, Guatemala (Miller *et al.*, 2005).

Remarks: Although the name *Pimelodus furcatus* has long been treated as valid in *Ictalurus*, it is actually an unneeded new name for *Pimelodus cauda-furcatus* Lesueur, which makes the name a junior synonym of *Ictalurus punctatus*. The name is retained here as valid, pending action to correct this problem.

† *Ictalurus lambda* Hubbs & Hibbard, 1951

† *Ictalurus lambda* Hubbs & Hibbard, 1951: 9. Type locality: Ogallala Formation, Trego County, Kansas. Holotype: KU 6887 (partial left pectoral-fin spine).

Distribution: Ogallala Formation; Box Butte Co. and Verdigre Quarry, Knox Co., Nebraska; Lapara Creek Locality, Bee Co. Texas (Lower Pliocene or upper Miocene); McGehee Fauna Locality, Alachua Co. Florida (middle Pliocene)(Lundberg, 1975).

Ictalurus lupus (Girard, 1858)

Pimelodus lupus Girard, 1858b: 211. Type locality: Headwaters of Rio Pecos, Texas. Syntypes: USNM 915 (1), USNM 916 (3).

Distribution: Rio Grande River basin (Page & Burr, 1991).

Ictalurus mexicanus (Meek, 1904)

Amiurus mexicanus Meek, 1904: 15. Type locality: Tributary to Rio Valles, Rascon, San Luis Potosi, Rio Panuco basin, Mexico. Holotype: FMNH 4507.

Distribution: Panuco River basin, Mexico (Miller *et al.*, 2005).

Ictalurus ochoterenai (de Buen, 1946)

Haustor ochoterenai de Buen, 1946a: 271, fig. 1. Type locality: Isla Patos, Mexico. Holotype: at Instituto de Biología, Mexico.

Distribution: Isla Patos, Mexico (de Buen, 1946a).

Remarks: Treated as valid in Lundberg (1992), but as a synonym of *Ictalurus dugesii* in Alvarez (1966) and Miller *et al.* (2005).

Ictalurus pricei (Rutter, 1896)

Villarius pricei Rutter, 1896: 257. Type locality: San Bernardino Creek, Rio Yaqui, Arizona, or n. border of Sonora, Mexico. Syntypes (7): SU 4826 (5), BMNH 1900.9.29.179 (1).

Amiurus meeki Regan, 1907, in Regan, 1906–08: 140, pl. 23 (fig. 5). Type locality: Río Paphigochic, Miñaca, Chihuahua, Mexico. Holotype: BMNH 1905.12.6.348.

Distribution: Yaqui and Casas Grandes River basins, Mexico and southern U. S. A. (Page & Burr, 1991).

Ictalurus punctatus (Rafinesque, 1818)

Silurus punctatus Rafinesque, 1818a: 355. Type locality: Ohio River. No types known.

Pimelodus cauda-furcatus Lesueur, 1819: 152. Type locality: l'Ohio ... Pittsburg [Gilbert (1998: 210) stated that the types were collected from Wabash and Mississippi Rivers]. Syntypes: MNHN a-8402 (1), MNHN a-8834 (1).

Pimelodus nigricans Lesueur, 1819: 153, pl. 11 (lowest fig.). Type locality: Lac Erié, l'Ontario, etc. No types known.

Silurus argentinus Rafinesque, 1820b: 50. Type locality: Lower parts of Ohio River. No types known.

Pimelodus argyrus Rafinesque, 1820c: 358. Type locality: [Ohio River]. No types known. Also in Rafinesque (1820a: 64).

Silurus cerulescens melanurus Rafinesque, 1820b: 49. Type locality: Ohio River. No types known. Originally as *Silurus cerulescens* var. *melanurus*.

Silurus maculatus Rafinesque, 1820b: 48. Type locality: Pittsburg and in Kentucky River, Ohio River. No types known. Also in Rafinesque (1820a: 62 and 1820c: 356) as *Pimelodus maculatus*. Preoccupied by *Silurus maculatus* Thunberg 1792.

Silurus maculatus Erythroptera Rafinesque, 1820a: 49. Type locality: Ohio River. No types known. Originally as *Silurus maculatus* var. *Erythroptera*.

- Silurus pallidus* Rafinesque, 1820b: 49. Type locality: Ohio River. No types known.
- Silurus pallidus Lateralis* Rafinesque, 1820b: 49. Type locality: Ohio River. No types known. Originally as *Silurus pallidus* var. *Lateralis*. Described as new as *Pimelodus pallidus* var. *Lateralis* in Rafinesque (1820a: 63; and 1820c: 358).
- Silurus pallidus Leucoptera* Rafinesque, 1820b: 49. Type locality: Ohio River. No types known. Originally as *Silurus pallidus* var. *Leucoptera*. Described as new as *Pimelodus pallidus* var. *Leucoptera* in Rafinesque (1820a: 63; and 1820c: 358).
- Silurus pallidus Marginatus* Rafinesque, 1820b: 49. Type locality: Ohio River. No types known. Originally as *Silurus pallidus* var. *Marginatus*. Described as *Pimelodus pallidus* var. *Marginata* in Rafinesque (1820a: 63 and 1820c: 358).
- Silurus (Pimelodus) borealis* Richardson, 1836: 135. Type locality: Pine Island Lake, lat. 54°N. Holotype: Whereabouts unknown (Gilbert, 1998).
- Silurus (Pimelodus) nigrescens* Richardson, 1836: 134. Apparently an unintentional new name for *Pimelodus nigricans* Lesueur.
- Pimelodus furcifer* Valenciennes, in Cuvier & Valenciennes, 1840b: 139 (103 of Strasbourg deluxe edition). Type locality: Surinam [in error, actually North America]. Syntype: MNHN 0000-1192 (1).
- Pimelodus gracilis* Hough, 1852: 26. Type locality: Oswegatchie River and Indian rivers, and other streams tributary to St. Lawrence River [New York]. Syntype: USNM 1532 (1). Preoccupied by *Pimelodus gracilis* Valenciennes, 1835; replaced by *Pimelodus houghi* Girard, 1859.
- Pimelodus olivaceus* Girard, 1858b: 211, pl. 41 (figs. 1–3). Type locality: Ft. Pierre, and Yellowstone Nebraska; Milk R., ?Montana; near mouth of Poteau R., and Arkansas R., Arkansas. Syntypes: MCZ 35911; USNM 906 (3), USNM 8449 (1), USNM 908 (1), USNM 909 (5), USNM 910 (1), USNM 911 (1, missing). Illustration of one of the types appeared in Suckley (1860: pl. 42).
- Synechoglanis Beadlei* Gill, 1859a: 40. Type locality: St. Catherines, between Hamilton and Niagara Falls, Ontario, Canada. Holotype: USNM 5115.
- Pimelodus graciosus* Girard, 1859b: 161. Type locality: Prairie mer Rouge, La. [Louisiana]. Syntypes: USNM 1511 (2).
- Pimelodus houghi* Girard, 1859b: 159. Type locality: Oswegatchie River and Indian rivers, and other streams tributary to St. Lawrence River [New York]. Syntype: USNM 1532 (1). Replacement for *Pimelodus gracilis* Hough, 1852; preoccupied by *Pimelodus gracilis* Valenciennes, 1835.
- Pimelodus megalops* Girard, 1859b: 161. Type locality: Black Warrior and Bigsby rivers, Ala. Syntype: USNM 1535 (1).
- Pimelodus Hammondii* Abbott, 1861: 568. Type locality: Fort Reily. Syntypes: ANSP 22065–66 (2).
- Ictalurus simpsonii* Gill, 1861b: 43. Type locality: Big Sandy R., Kansas. Syntypes (2): Whereabouts unknown (Gilbert, 1998).
- Pimelodus notatus* Abbott, 1861: 569. Type locality: Fort Reily, Kansas [probably in error, Gilbert (1998: 222)]. Holotype: ANSP 8449. Preoccupied by *Pimelodus notatus* Jardine, 1841.
- Ichthaelurus robustus* Jordan, 1877c: 76, pls. (fig. 3), 2 (fig. 4 & 4b). Type locality: Exact locality unknown [Ohio or Mississippi rivers]. Holotype: USNM 20056.
- Ictalurus okeechobeensis* Heilprin, 1887: 129, pl. 18. Type locality: Kissimmee River, tributary to Lake Okeechobee, Florida. Holotype: ANSP 8443.
- Ictalurus anguilla* Evermann & Kendall, 1898: 125, pl. 6 (fig. 1). Type locality: Atchafalaya River, above Morgan City, Pointe Coupee Parish, Louisiana. Holotype: USNM 48788.
- † *Amiurus decorus* Hay, 1924: 1, pl. 1, fig. 1. Type locality: Garvin Gulley locality, 2 1/4 miles north of Navasota, Texas, Upper Miocene. Holotype: partial pectoral-fin spine; Whereabouts unknown.
- Distribution: Great Lakes/Saint Lawrence basin, Hudson Bay, and Mississippi River basin; possibly native to Atlantic and Gulf Coast basins; widely introduced (Page & Burr, 1991).
- Remarks: Inclusion of *Amiurus decorus* in the synonymy is based on Lundberg (1975: 25).
- † *Ictalurus rhaeas* (Cope, 1891)
- † *Rhineastes rhaeas* Cope, 1891: 3. Type locality: Cypress Hills Formation, middle lower Oligocene, Cypress Hills,

Saskatchewan, Canada. Holotype: NMC 6209 (vertebral centrum).

† *Ameiurus cancellatus* Cope, 1891: 4. Type locality: Cypress Hills Formation, middle lower Oligocene, Cypress Hills, Saskatchewan, Canada. Holotype: at Canadian Geol. Surv. Museum, Ottawa (vertebrae).

† *Ameiurus macconnellii* Cope, 1891: 5. Type locality: middle lower Oligocene, Cypress Hills, Saskatchewan, Canada. Holotype: at Canadian Geol. Surv. Museum, Ottawa (vertebrae).

Distribution: Cypress Hills Formation, middle lower Oligocene, Cypress Hills, Saskatchewan, Canada (Lundberg, 1975).

Remarks: † *Rhineastes rhaeas* selected as valid name by first reviser action of Lundberg (1975: 17).

† *Ictalurus spodius* Smith, 1987

† *Ictalurus spodius* Smith, 1987: 381, fig. 1. Type locality: Gravel pit near Jocotepec, Jalisco, Mexico. Holotype: UMMP V62528 (nearly complete neurocranium).

Distribution: Jocotepec, Jalisco, Mexico (Smith, 1987).

Species inquirendae, Ictalurus

Silurus Cerulescens Rafinesque, 1820b: 49. Type locality: Ohio River. No types known. Described as *Pimelodus cerulescens* in Rafinesque (1820a: 63 and 1820c: 357). Possibly a senior synonym of *Ictalurus punctatus* or *Ictalurus furcatus*.

Pimelodus vulpes Girard, 1858a: 170. Type locality: Live Oak Creek, Camanche Spring, Rio Leona Piedra Painte, Devil's R., Rio Salado, Texas. Syntypes: MCZ 35937 (1), USNM 843 (2), USNM 844 (1, missing), USNM 845 (4), USNM 846 (4), USNM 847 (1, missing), USNM 848 (1, missing), USNM 849 (2, missing); syntypes illustrated in Girard (1859a: 33, pl. 18). Thought by Gilbert (1998: 227) to have been based on specimens of two species (*Ictalurus punctatus* and *Ictalurus lupus*). In the absence of a lectotype, the status of this name is unresolved.

NOTURUS Rafinesque, 1818

Noturus Rafinesque, 1818b: 41. Type species: *Noturus flavus* Rafinesque, 1818. Type by monotypy. Gender: Masculine.

Schilbeodes Bleeker, 1858b: 258. Type species: *Silurus gyrinus* Mitchill, 1817. Type by monotypy. Gender: Masculine.

Pimelodon Lesueur, in Vaillant, 1896a: 28. Type species: *Pimelodon insignarius* Vaillant, 1896. Type by monotypy. Gender: Masculine.

Rabida Jordan & Evermann, 1896: 144. Type species: *Noturus furiosus* Jordan & Meek, 1889. Type by original designation. Originally proposed as a subgenus of *Schilbeodes*. Gender: Feminine.

Revision: Taylor (1969).

Phylogeny: LeGrande (1981), Grady (1987), Grady & LeGrande (1992), Hardman (2004).

Remarks: The name *Noturus latifrons* appears in Jordan (1885) but was not made available therein and must be treated as a *nomen nudum*; see Gilbert (1998: 217) for discussion.

Noturus albater Taylor, 1969

Noturus albater Taylor, 1969: 144, frontispiece, pls. 4 (fig. 4), 11 (fig. 2). Type locality: White River, at Forsyth, on Hwy. M80, Taney Co., Missouri. Holotype: UMMZ 151171.

Distribution: White and Saint Francis River systems, Arkansas and Missouri (Taylor, 1969).

Noturus baileyi Taylor, 1969

Noturus baileyi Taylor, 1969: 141, pl.4 (fig. 3), pl. 11 (fig. 1). Type locality: The lower portion of Abrams Creek, Great Smoky Mountains National Park. Holotype: USNM 201602.

Distribution: Citico Creek, Little Tennessee River basin, Tennessee; Abrams Creek population extirpated (Page & Burr, 1991).

Noturus crypticus Burr, Eisenhour & Grady, 2005

Noturus crypticus Burr, Eisenhour & Grady, 2005: 794, fig. 2c. Type locality: Tennessee, Greene County, Little Chucky Creek at mouth of Jackson Branch, 36°07'11"N, 83°02'04"W. Holotype: SIUC 52379.

Distribution: French Broad River basin, eastern Tennessee (Burr *et al.*, 2005).

Noturus elegans Taylor, 1969

Noturus elegans Taylor, 1969: 150, pl. 4 (figs. 5–6), pl. 12. Type locality: Fallen Timber Creek, at Hwy. 90, 8 mi. SE of Glasgow, Barren Co., Kentucky. Holotype: UMMZ 167597.

Distribution: Green River system, Kentucky and Tennessee River systems, Tennessee (Page & Burr, 1991; Burr *et al.*, 2005).

Noturus eleutherus Jordan, 1877

Noturus eleutherus Jordan, 1877a: 371. Type locality: French Broad River, Tennessee. Holotype: USNM 29678; holotype illustrated in Jordan (1877c: 73, pl. 40, figs. 62–63a).

Schilbeodes gallowayi Fowler, 1945d: 122, figs. 155–157. Type locality: South Fork of Holston River above Bluff City, Sullivan Co., Tennessee. Holotype: ANSP 54723.

Distribution: Ohio, Mississippi, Tennessee, and Ouachita and Red River systems (Page & Burr, 1991).

Noturus exilis Nelson, 1876

Noturus exilis Nelson, 1876: 51. Type locality: Mackinaw Cr., McLean Co., Illinois. Lectotype: INHS 37651, designated by Sabaj *et al.* (1997: 270).

Noturus elassoichir Swain & Kalb, 1883: 639. Type locality: Illinois River, Napierville, Illinois. Holotype: USNM 29677.

Distribution: Mississippi River basin, in upland creeks (Taylor, 1969).

Phyllogeography: Hardy *et al.* (2002).

Noturus fasciatus Burr, Eisenhour & Grady, 2005

Noturus fasciatus Burr, Eisenhour & Grady, 2005: 785, fig. 2a. Type locality: Tennessee, Hickman County, Brushy Fork Creek, off Brushy Road, 1.6 km W of junction with Tennessee Highway 48, N of Aetna, 35°40'25"N, 87°31'03"W. Holotype: SIUC 52378.

Distribution: Duck River basin and nearby tributaries of the Tennessee River, Tennessee (Burr *et al.*, 2005).

Noturus flavater Taylor, 1969

Noturus flavater Taylor, 1969: 204, pl. 4 (fig. 15), pl. 20 (fig. 2). Type locality: Flat Creek, at Hwy. M39, 12 mi. NE of Cassville, Barry Co., Missouri. Holotype: UMMZ 151322.

Distribution: Upper White River system, Arkansas and Missouri (Page & Burr, 1991).

Noturus flavipinnis Taylor, 1969

Noturus flavipinnis Taylor, 1969: 201, pl. 4 (fig. 14), pl. 20 (fig. 1). Type locality: Hines Creek, Clinton, Tennessee. Holotype: USNM 163801.

Distribution: Upper Tennessee River basin (Taylor, 1969).

Noturus flavus Rafinesque, 1818

Noturus flavus Rafinesque, 1818b: 41. Type locality: Ohio River [now: Eagle Creek (a tributary to the lower Kentucky River which is a tributary to the Ohio River), from a pool below bridge at state highway 36, 3.5 miles east of Jonesville in Grant Co., Kentucky, by neotype designation]. Neotype: USNM 202494, designated by Taylor (1969: 118).

Noturus luteus Rafinesque, 1819: 421. Type locality: [No locality stated]. No types known.

Noturus occidentalis Gill, 1861b: 45. Type locality: Platte River. Holotype: Whereabouts unknown (Gilbert, 1998).

Noturus platycephalus Günther, 1864: 104. Type locality: North America. Syntypes (2): BMNH 2005.9.21.1.

Distribution: Mississippi River system, Mohawk and Hudson Rivers, Great Lakes-Saint Lawrence River basin (Taylor, 1969).

Noturus funebris Gilbert & Swain, 1891

Noturus funebris Gilbert & Swain, in Gilbert, 1891: 153. Type locality: in a Spring Run tributary to North River near Tuscaloosa, Alabama. Lectotype: USNM 36696, designated by Taylor (1969: 98).

Distribution: Gulf Coast basins east of Mississippi River (Taylor, 1969).

Noturus furiosus Jordan & Meek, 1889

Noturus furiosus Jordan & Meek, in Jordan, 1889: 351, pl. 43 (figs. 1–1b). Type locality: Neuse River at Millburnie, near Raleigh, North Carolina. Lectotype: USNM 39932, illustrated in, as designated by (in plate caption), Jordan & Evermann (1900: 3237, pl. 29, figs. 69, 69a, 69b); same specimen designated as lectotype by Taylor (1969: 186).

Distribution: Neuse and Tar River systems, North Carolina (Taylor, 1969; Page & Burr, 1991).

Noturus gilberti Jordan & Evermann, 1889

Noturus gilberti Jordan & Evermann, in Jordan, 1889: 352, pl. 43 (figs. 2–2b). Type locality: Roanoke River, Salem, Virginia. Lectotype: USNM 3993, designated by (in caption to plate) Jordan & Evermann (1900: 3236, pl. 28); same specimen designated as lectotype by Taylor (1969).

Distribution: Roanoke River basin, Virginia; possibly introduced elsewhere (Page & Burr, 1991).

Noturus gladiator Thomas & Burr, 2004

Noturus gladiator Thomas & Burr, 2004: 353, figs. 2–3. Type locality: Tennessee: Hardeman County: Mississippi River basin, Pleasant Run (Hatchie River) at Summerville-Bolivar Rd., just upstream of Potters Creek, ca. 2.5 km W of Bolivar; 35°15'14"N, 089°02'05"W. Holotype: SIUC 47997.

Distribution: Mississippi River tributaries of western Tennessee and Mississippi (Thomas & Burr, 2004).

Noturus gyrinus (Mitchill, 1817)

Silurus gyrinus Mitchill, 1817: 289. Type locality: Wallkill [New York]. No types known.

Noturus sialis Jordan, 1877c: 102, pl. 42 (fig. 68), pl. 43 (fig. 69). Type locality: White River, Indianapolis, Indiana. Holotype: Whereabouts unknown.

Distribution: Atlantic draining Rivers, below Fall line; Mississippi River basin; rivers draining Gulf of Mexico (north of Rio Grande); and Great Lakes; introduced into many additional rivers (Taylor, 1969).

Noturus hildebrandi (Bailey & Taylor, 1950)

Schilbeodes hildebrandi Bailey & Taylor, 1950: 32, pl. 1; pl. 2 (figs. e–f). Type locality: Brushy Creek, about 1 mile above its mouth in Homochitto River, T.4N, R2E., Sect. 14, at the tiny hamlet of Homochitto, Amite County, Mississippi. Holotype: UMMZ 157620.

Noturus hildebrandi lautus Taylor, 1969: 138, pl. 4 (fig. 2), pl. 10 (fig. 2). Type locality: North Fork of Obion River, at Tennessee Highway 69, Henry County, Tennessee. Holotype: USNM 201665.

Distribution: Left bank tributaries of Mississippi River, in Mississippi, Kentucky, and Tennessee (Taylor, 1969).

Noturus insignis (Richardson, 1836)

Pimelodus insigne Richardson, 1836: 132. Type locality: Philadelphia. Holotype: MNHN 0000-3053. Available from reference to “*Pimelodus ... insigne (livrée, Le Sueur)*.”

Pimelodus lemniscatus Valenciennes, in Cuvier & Valenciennes, 1840b: 144 (107 in Strasbourg deluxe edition). Type locality: Philadelphia. Holotype: MNHN 0000-3053. On *Pimélode livrée* of Lesueur (1819).

Noturus marginatus Baird, in Cope, 1868: 237. Type locality: Sinking Creek of Kanawha River; head of James River, Virginia; and Susquehanna River at Carlisle, Pennsylvania. Syntypes (more than 20): ANSP 8431–32 (2), possibly ANSP 8435 (1), MCZ 8371 (1), MCZ 35955 (1), MNHN 0000-0340 (1), MNHN 0000-0341 (1), UMMZ 138221 (1), USNM 1571 (9).

Pimelodon insignarius Vaillant, 1896a: 28, pl. 24. Type locality: Philadelphia. Holotype: MNHN 0000-3053.

Schilbeodes marginatus atrorus Hubbs & Raney, 1944: 7, 10, pl. 1. Type locality: Wolf Creek, between Bastian and Novis, Bland Co., Virginia. Holotype: UMMZ 139452.

Distribution: Atlantic coastal rivers between New York and Georgia, generally at or above Fall Line and New and Kanawha River basins; introduced elsewhere (Taylor, 1969).

Remarks: The name *Pimelode livrée* in Lesueur (1819: 155) was considered by Taylor (1969: 83) to be an informal name and therefore not available. The name was accompanied by a brief description which, when assigned a name by Richardson (1836: 132), was sufficient to make Richardson's name available, with the specimen examined by Lesueur as the holotype.

Noturus lachneri Taylor, 1969

Noturus lachneri Taylor, 1969: 54, pl. 3 (fig. 2), pl. 5 (fig. 2). Type locality: Middle Fork of the Saline River at Arkansas Highway 7 crossing, 11.2 miles north of Mountain Valley, Garland Co., Arkansas. Holotype: USNM 201592.

Distribution: Saline and Ouachita River systems, Arkansas (Page & Burr, 1991).

Noturus leptacanthus Jordan, 1877

Noturus leptacanthus Jordan, 1877a: 352. Type locality: Silver Creek, 1 mi. above its junction with the Etowah R., near Rome, Georgia. Holotype: apparently destroyed (Taylor, 1969).

Distribution: Southeastern United States, from Atlantic and Gulf of Mexico draining rivers (Taylor, 1969).

Noturus miurus Jordan, 1877

Noturus miurus Jordan, 1877a: 371. Type locality: Maumee River basin, lower Wabash River basin and White River near Indianapolis, Indiana [restricted to White River near Indianapolis, by lectotype designation]. Lectotype: MNHN a-1308, designated by Taylor (1969: 197).

Distribution: Great Lakes basin, Mississippi River basin, Pearl River system, and smaller rivers between the Pearl and Mississippi (Taylor, 1969).

Noturus munitus Suttkus & Taylor, 1965

Noturus munitus Suttkus & Taylor, 1965: 171, figs. 1, 2. Type locality: Pearl River, 2.6 mi. east of Sandy Hook, Marion Co., Mississippi. Holotype: TU 26250.

Distribution: Gulf Coast basins from Georgia to Louisiana, in several disjunct populations (Page & Burr, 1991).

Noturus nocturnus Jordan & Gilbert, 1886

Noturus nocturnus Jordan & Gilbert, 1886: 6. Type locality: Poteau River, ... Washita and Saline Rivers, [Arkansas River tributaries]; [restricted to Saline River near Benton railroad bridge by lectotype designation]. Lectotype: USNM 36461, designated by use of term "type" in figure caption in Evermann & Kendall (1894: pl. 11, top), and approximate size of illustrated specimen which were used by Taylor (1969: 79) to identify the individual.

Distribution: Lower and central Mississippi River basin and other rivers draining into Gulf of Mexico (Taylor, 1969).

Noturus phaeus Taylor, 1969

Noturus phaeus Taylor, 1969: 100, pl. 3 (fig. 8), pl. 7 (fig. 2). Type locality: North Fork of the Obion River at state highway 69, Henry County, Tennessee. Holotype: USNM 202143.

Distribution: Lower Mississippi River valley and headwaters of Bayou Teche, Louisiana (Taylor, 1969).

Noturus placidus Taylor, 1969

Noturus placidus Taylor, 1969: 168, pls. 4 (fig. 9), 15 (fig. 2), 17 (fig. 2). Type locality: Neosho River, just S. of U.S. Hwy. 50, near Emporia, sec. 7, T. 19 S., R. 12 E., Lyon Co., Kansas. Holotype: UMMZ 167653.

Distribution: Neosho River and tributaries, Cottonwood River and Illinois River, Mississippi River basin (Taylor, 1969).

Noturus stanauli Etnier & Jenkins, 1980

Noturus stanauli Etnier & Jenkins, 1980: 19, figs. 1–2. Type locality: Clinch R. at Frost Ford, Hancock Co., Tennessee. Holotype: TU 110929.

Distribution: Clinch and Duck Rivers, Tennessee River basin, Tennessee (Page & Burr, 1991).

Noturus stigmosus Taylor, 1969

Noturus stigmosus Taylor, 1969: 173, pls. 2 (fig. 4), 4 (fig. 11), 16 (fig. 1), 18 (fig. 1). Type locality: Huron River, just south of pool, below North Territorial Road, north of Dexter, sec. 13, T. 1 S., R. 4 E., Washtenaw Co., Michigan. Holotype: UMMZ 165843.

Distribution: Lake Erie and Ohio River basin (Thomas & Burr, 2004).

Noturus taylori Douglas, 1972

Noturus taylori Douglas, 1972: 785, fig. 1. Type locality: South Fork of Caddo R., 1.6 km southeast of Hopper and 0.8 km south of state hwy. 240, Montgomery Co., Arkansas. Holotype: USNM 206181.

Distribution: Caddo, Ouachita and Little Missouri River basins, Arkansas (Page & Burr, 1991).

Noturus trautmani Taylor, 1969

Noturus trautmani Taylor, 1969: 156, pls. 4 (fig. 7), 13 (fig. 1). Type locality: Big Darby Creek, 1 mile south of Fox, southeastern Jackson Township, Pickaway County, Ohio. Holotype: UMMZ 187098.

Distribution: Big Darby Creek, Scioto River basin, Ohio (Taylor, 1969).

Species inquirenda, Noturus

Silurus mollis Hermann, 1804: 309. Type locality: America. No types known. Treated by Hubbs & Raney (1944) and, subsequently, Gilbert (1998: 220) as a senior synonym of *Silurus gyrinus* Mitchell, but Taylor (1969: 52) rejected that conclusion and, instead, questioned whether the name could be unambiguously associated with any species. In

the absence of a primary type specimen, the name is listed here as *species inquirenda*.

PRIETELLA Carranza, 1954

Prietella Carranza, 1954: 130. Type species: *Prietella phreatophila* Carranza, 1954. Type by original designation. Gender: Feminine.

Prietella lundbergi Walsh & Gilbert, 1995

Prietella lundbergi Walsh & Gilbert, 1995: 851, figs. 1 (top), 2 c–d. Type locality: a subsurface thermal spring (Nacimiento de San Rafael de Los Castros) approximately 15 km WNW of Ciudad Mantae Tamaulipas state, México (Río Tamesí drainage). Holotype: UNAM P-7705.

Distribution: Two springs of Tamesí River drainage, Tamaulipas state, Mexico (Miller *et al.*, 2005).

Prietella phreatophila Carranza, 1954

Prietella phreatophila Carranza, 1954: 132, pl. 1. Type locality: Well at base of Sierra de Santa Rosa, ca. 27°55'N, 101°07'W, Múzquiz, Coahuila state, Mexico. Holotype: Author's personal coll.; illustrated in Miller *et al.* (2005: 165, fig. 6.171).

Distribution: Cases in Bravo River basin, Coahuila, from near Múzquiz northward to about 50 km SW of Ciudad Acuña and to near Allende, Mexico (Miller *et al.*, 2005).

PYLODICTIS Rafinesque, 1819

Pylodictis Rafinesque, 1819: 422. Type species: *Pylodictis limosus* Rafinesque, 1819. Type by monotypy. Gender: Masculine. Placed on the Official List (ICZN, Opinion 1584). Proposed as new, but spelled *Pilodictis* in Rafinesque (1820c: 361, 1820a: 67).

Ilictis Rafinesque, 1820c: 360. Type species: *Silurus limosus* Rafinesque, 1820 [= *Pylodictis limosus* Rafinesque, 1819]. Type by monotypy. Gender: Masculine. Originally proposed as a section of the subgenus *Ictalurus*. Also in Rafinesque (1820: 66).

Leptops Rafinesque, 1820c: 358. Type species: *Silurus viscosus* Rafinesque, 1820. Type by subsequent designation by Jordan & Gilbert (1877: 87). Gender: Masculine. Originally proposed as a section of the subgenus *Ictalurus*. Also proposed as new in Rafinesque (1820a: 64).

Opladelus Rafinesque, 1820c: 359. Type species: *Silurus nebulosus* Rafinesque, 1820. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Ictalurus*. Also in Rafinesque (1820a: 64–65).

Hopladelus Gill 1862: 51. Type species: *Silurus nebulosus* Rafinesque, 1820. Type by monotypy. Gender: Masculine. Unjustified emendation or misspelling of *Opladelus* Rafinesque, 1820.

Pelodichthys Jordan, 1877b: 10. Type species: *Pylodictis limosus* Rafinesque, 1819. Type by monotypy. Gender: Masculine. Unjustified emendation of *Pylodictis* Rafinesque, 1819.

Remarks: The name *Pylodictis* is treated as valid, with the type species *Pylodictis limosus* (with *Silurus olivaris* as a senior subjective synonym) following Opinion 1584 of the Code. However, see Markle (1997: 446) in which it shown that *Pylodictis limosus* was a mythical fish, based on a drawing made by Audubon.

Pylodictis olivaris (Rafinesque, 1818)

Silurus olivaris Rafinesque, 1818a: 355. Type locality: Ohio River. No types known. Placed on the Official List (ICZN, Opinion 1584).

Pylodictis limosus Rafinesque, 1819: 422. Type locality: Ohio River mouth. No types known. Described as new as *Pimelodus limosus* in Rafinesque (1820a: 67; and 1820c: 361); and as *Silurus limosus* in Rafinesque (1820b: 51).

Pimelodus aeneus Lesueur, 1819: 150. Type locality: l'Ohio. Type(s): Whereabouts unknown (Gilbert, 1998).

Silurus cupreus Rafinesque, 1820b: 51. Type locality: Ohio River. No types known. Described as *Pimelodus cupreus* in Rafinesque (1820a: 65 and 1820c: 359).

Silurus nebulosus Rafinesque, 1820b: 50. Type locality: Ohio River. No types known. Described as *Pimelodus nebulosus* in Rafinesque (1820a: 64 and 1820c: 358).

Silurus viscosus Rafinesque, 1820b: 50. Type locality: Near Louisville, Kentucky, at falls, Ohio River. No types known. Described as *Pimelodus viscosus* in Rafinesque (1820a: 64; and 1820c: 358).

Pimelodus lutescens Rafinesque, 1832: 20. Type locality: Tennessee River. No types known.

Pimelodus punctulatus Valenciennes, in Cuvier & Valenciennes, 1840b: 134 (100 of Strasbourg deluxe edition).

Type locality: Newharmony. Lectotype: MNHN a-9459. Lectotype designated by Eschmeyer (in Eschmeyer *et al.* 1998: 1406). Although the description of the species was based entirely on one specimen, a second specimen, MNHN a-8965, from New Orleans, was listed, making both specimens syntypes. Bertin & Esteve (1950: 24) listed MNHN a-9459 as the holotype and Gilbert (1998: 225) incorrectly treated that statement as a defacto lectotype designation.

Distribution: Great Lakes and Mississippi River basins, Gulf Coast drainages from Georgia to Mexico; introduced elsewhere (Page & Burr, 1991); reported from the Pleistocene of Florida by Young & Laerm (1993).

SATAN Hubbs & Bailey, 1947

Satan Hubbs & Bailey, 1947: 4. Type species: *Satan eurystomus* Hubbs & Bailey, 1947. Type by original designation. Gender: Masculine.

Satan eurystomus Hubbs & Bailey, 1947

Satan eurystomus Hubbs & Bailey, 1947: 8, pl. 1 (figs. 1–3). Type locality: An artesian well (depth 381 m), near San Antonio, ca. 29°30'N, 98°30'W, Bexar Co., Texas. Holotype: UMMZ 190922.

Distribution: Artesian wells near San Antonio, Texas (Page & Burr, 1991).

TROGLOGLANIS Eigenmann, 1919

Trogloglanis Eigenmann, 1919b: 397. Type species: *Trogloglanis pattersoni* Eigenmann, 1919. Type by monotypy. Gender: Masculine.

Trogloglanis pattersoni Eigenmann, 1919

Trogloglanis pattersoni Eigenmann, 1919b: 397, figs. 1–2. Type locality: Artesian well in San Antonio, Edwards Aquifer, ca. 29°30'N, 98°30'W, Bexar Co., Texas. Holotype: CAS 58675.

Distribution: Artesian wells near San Antonio, Texas (Page & Burr, 1991).

Remarks: Anatomical description in Lundberg (1982).

LACANTUNIIDAE Rodiles-Hernández, Hendrickson & Lundberg, 2005

Lacantuniidae Rodiles-Hernández, Hendrickson & Lundberg, in Rodiles-Hernández *et al.*, 2005: 6. Type genus: *Lacantunia* Rodiles-Hernández, Hendrickson & Lundberg, 2005.

1 Genus, 1 species; no fossil species.

LACANTUNIA Rodiles-Hernández, Hendrickson & Lundberg, 2005

Lacantunia Rodiles-Hernández, Hendrickson & Lundberg, in Rodiles-Hernández *et al.*, 2005: 6. Type species: *Lacantunia enigmatica* Rodiles-Hernández, Hendrickson & Lundberg. Type by original designation. Gender: Feminine.

Remarks: Treated as the type of the family Lacantuniidae, in Rodiles-Hernandez *et al.* (2005: 5), or as *incertae sedis* within the Siluriformes (2005: 6).

Lacantunia enigmatica Rodiles-Hernández, Hendrickson & Lundberg, 2005

Lacantunia enigmatica Rodiles-Hernández, Hendrickson & Lundberg, in Rodiles-Hernández *et al.*, 2005: 10, fig. 1. Type locality: México, Chiapas, Río Usumacinta basin, Río Lacantún, Selva Lacandona, Reserva de la Biosfera Montes Azules, 16°08.083'N, 90°55.317'W. Holotype: ECO-SC 3859.

Distribution: Usumacinta River basin, Chiapas, Mexico (Rodiles-Hernández *et al.*, 2005).

LORICARIIDAE Rafinesque, 1815

Loricaria Rafinesque, 1815: 89. Type genus: *Loricaria* Linnaeus, 1758.

Hypostomiden Kner, 1853b: 279. Type genus: *Hypostomus* La Cepède, 1803.

Ancistri Kner, 1854: 6. Type genus: *Ancistrus* Kner, 1854.

Acanthicini Bleeker, 1862 (in Bleeker, 1862–63): 2. Type genus: *Acanthicus* Spix & Agassiz, 1829.

Acestrini Bleeker, 1862 (in Bleeker, 1862–63): 4. Type genus: *Acestra* Kner, 1853. Permanently invalid, following Art. 39 of the Code, because the underlying generic name is preoccupied.

Hypoptopominae [sic, Hypoptopomatinae] Eigenmann & Eigenmann, 1890: 8, 12, 353, 388. Type genus: *Hypoptopoma* Günther, 1868.

Neoplecostominae Regan, 1904b: 306. Type genus: *Neoplecostomus* Eigenmann & Eigenmann, 1888.

Lithogeneinae [sic, for Lithogeninae] Gosline, 1947: 80. Type genus: *Lithogenes* Eigenmann, 1909.

Chaetostomidi Fowler, 1958: 14. Type genus: *Chaetostomus* Kner, 1846.

Farlowelli Fowler, 1958: 14. Type genus: *Farlowella* Eigenmann & Eigenmann, 1889.

Harttiinae Boeseman, 1971: 4, 10. Type genus: *Harttia* Steindachner, 1877.

Acestridiinae Isbrücker & Nijssen, 1974a: 67, 68. Type genus: *Acestridium* Haseman, 1911.

Loricariichthyina Isbrücker, 1979a: 87, 89. Type genus: *Loricariichthys* Bleeker, 1862.

Metaloricariina Isbrücker, 1979a: 88, 90. Type genus: *Metaloricaria*, Isbrücker, 1975.

Hemiodontichthyina Isbrücker, 1979a: 88, 89. Type genus: *Hemiodontichthys* Bleeker, 1862.

Otocinclini Isbrücker, 1979b: 114. Type genus: *Otocinclus* Cope, 1871.

Planiloricariina Isbrücker, 1979a: 87, 89. Type genus: *Planiloricaria* Isbrücker, 1971.

Reganellina Isbrücker, 1979a: 87, 89. Type genus: *Reganella* Eigenmann, 1905.

Rineloricariina Isbrücker, 1979a: 87, 89. Type genus: *Rineloricaria* Bleeker, 1862.

Lithoxina Isbrücker, 1980: 77. Type genus: *Lithoxus* Eigenmann, 1910.

Pseudacanthicini Isbrücker, 1980: 76. Type genus: *Pseudacanthicus* Bleeker, 1862.

Ricolina Isbrücker, 1981: 54. Type genus: *Ricola* Isbrücker & Nijssen, 1978.

Hopliancistrini Isbrücker & Nijssen, 1989: 543. Type genus: *Hopliancistrus* Isbrücker & Nijssen, 1989.

Spectracanthicina Isbrücker & Nijssen, 1989: 544. Type genus: *Spectracanthicus* Nijssen & Isbrücker, 1987.

Otothyriini Schaefer, 1991: 31. Type genus: *Otothyris* Myers, 1927.

Lampiellini Isbrücker, in Isbrücker *et al.*, 2001: 20. Type genus *Lampiella* Isbrücker, 2001.

Corymbophanini Armbruster, 2004a: 59. Type genus: *Corymbophanes* Eigenmann, 1909.

Pterygoplichthini [sic, for Pterygoplichthyini] Armbruster, 2004a: 61. Type genus: *Pterygoplichthys* Gill, 1858.

Rhinelepini Armbruster, 2004a: 61. Type genus: *Rhinelepis* Spix & Agassiz, 1829 [not Valenciennes, as stated in Armbruster].

Taxonomic summary: Gosline (1947); Isbrücker (1979b, 1980, 1992a, 2001); Reis *et al.* (2003); Ferraris (2003b, Neoplecostominae; 2003c, Loricariinae); Fisch-Muller (2003, Ancistrinae); Schaefer (2003c, Hypoptopomatinae); Weber (2003, Hypostominae).

Phylogeny: Boeseman (1971); Schaefer (1987, 1998); Montoya-Burgos *et al.* (1997, 1998, 2002, molecular phylogeny); Armbruster (1998a, *Rhinelepis* group); Schaefer (1991, Hypoptopomatinae); Armbruster (2004a, Ancistrinae and Hypostominae); Gauger & Buckup (2005, Otothyriini).

Review: Aquino (1997, Hypoptopomatinae of Argentina), Weber *et al.* (1992, Paraguay).

Remarks: The taxonomy of this some portions of this family is very unsettled at this time. Monophyly of the family appears to be strongly supported, except, possibly, for the inclusion of *Lithogenes* (see Schaefer, 2003d, and Armbruster, 2004a for comments). Two subfamilies, Loricariinae and Hypoptopomatinae, as used in Reis *et al.* (2003), appear to be generally regarded as monophyletic, but the monophyly and composition of the other subfamilies in Reis *et al.* (2003) are currently being examined and likely to be altered substantially in the future (see, for example, Armbruster, 2004a). Isbrücker & Nijssen (1992b) summarized the extent of sexual dimorphism in the family; Muller & Weber (1992) examined the possible taxonomic value of dental characteristics.

96 genera, 716 species; no named fossil taxa.

Incertae sedis

Hypostomus itacua Valenciennes, 1836

Hypostomus itacua Valenciennes, 1836, in Valenciennes, 1835–47: pl. 7 (fig. 1). Type locality: not stated [considered to be restricted to tributaries of La Plata]. Holotype not found in MNHN. Name available from caption to

plate, with illustrated specimen the holotype.

Distribution: Middle Paraná River basin.

Remarks: Type locality from description of species in Cuvier & Valenciennes (1840: 506), but Weber (2003) indicated that redescription in Cuvier & Valenciennes (1840: 505) does not agree with the illustration in Valenciennes (1836). Redescription is apparently the basis of decisions by Günther (1864: 243) and Isbrücker (1980: 50) to place the species in the ancintrin genus *Hemiancistrus*.

Plecostomus obtusirostris (Steindachner, 1907)

Plecostomus obtusirostris Steindachner, 1907e: 490. Type locality: Rio Cubatao, Santa Catherina by Theresopolis, Brazil. Holotype: at NMW (not found; Weber, 2003).

Distribution: Coastal drainages of southeastern Brazil.

Remarks: Weber (2003) disagreed with the placement of this species in *Hypostomus* by Isbrücker (1980: 29) inasmuch he indicated that the description included mention of hypertrophied odontodes on the sides of the head of the examined specimen.

ACANTHICUS Spix & Agassiz, 1829

Acanthicus Spix & Agassiz, 1829: 2. Type species: *Acanthicus hystrix* Spix & Agassiz, 1829. Type by monotypy. Gender: Masculine.

Review: Isbrücker & Nijssen (1988).

Acanthicus adonis Isbrücker & Nijssen, 1988

Acanthicus adonis Isbrücker & Nijssen, 1988: 166, fig. 5. Type locality: Brasilien, Est. Pará, Rio Tocantins bei Cameté (0°14'S, 49°30.5'W). Holotype: MZUSP 38580.

Distribution: Lower Tocantins River basin, Brazil (Fisch-Muller, 2003).

Acanthicus hystrix Spix & Agassiz, 1829

Acanthicus hystrix Spix & Agassiz, 1829: 3, pl. 1 (fig. 1). Type locality: flumine Amazonum. Holotype: Whereabouts unknown (Kottelat, 1988) and possibly destroyed (Terofal, 1983).

Rinelepis acanthicus Valenciennes, in Cuvier & Valenciennes, 1840b: 487 (360 in Strasbourg deluxe edition). Type locality: flumine Amazonum. Holotype: destroyed (Terofal, 1983). Replacement name for *Acanthicus hystrix* Spix & Agassiz, 1829, then considered congeneric with, and preoccupied by, *Rinelepis histrix* Valenciennes (1840), which was based on the older, but unpublished, Vandelli manuscript name *Loricaria histrix*.

Distribution: Amazon River basin (Fisch-Muller, 2003).

ACESTRIDIUM Haseman, 1911

Acestridium Haseman, 1911a: 319. Type species: *Acestridium discus* Haseman, 1911. Type by monotypy. Gender: Neuter.

Revision: Retzer *et al.* (1999).

Acestridium colombiense Retzer, 2005

Acestridium colombiense Retzer, 2005: 2, fig. 1. Type locality: Colombia: Guainia State: Orinoco Basin: Río Inirida, lagoon at 1 km up river from Puerto Inirida. Holotype: FMNH 115255.

Distribution: Orinoco River basin, Colombia (Retzer, 2005).

Acestridium dichromum Retzer, Nico & Provenzano, 1999

Acestridium dichromum Retzer, Nico & Provenzano, 1999: 316, fig. 3(a–c). Type locality: Pozo Lucas, tributary of Río Orinoco, 7 km south of San Fernando de Atabapo, 4°02'N, 67°42'W, Amazonas State, Venezuela. Holotype: MBUCV V-26780.

Distribution: Upper Orinoco and Negro River basins, Venezuela (Schaefer, 2003c).

Acestridium discus Haseman, 1911

Acestridium discus Haseman, 1911a: 319, pls. 50 (fig. 1), 51. Type locality: Igarapé de Cachoeira Grande, near Manaus, Brazil. Holotype: FMNH 54339.

Distribution: Lower Negro River basin, Brazil (Schaefer, 2003c).

Acestridium martini Retzer, Nico & Provenzano, 1999

Acestridium martini Retzer, Nico & Provenzano, 1999: 318, fig. 3 (d–f). Type locality: Caño Pozo Azul, tributary of

Río Orinoco, near Balneario Pozo Azul, 5°45'49"N, 67°29'21"W, Amazonas State, Venezuela, elev. 75 m. Holotype: MCNG 36484.

Distribution: Upper Orinoco and Negro River basins, Venezuela (Schaefer, 2003c).

ANCISTRUS Kner, 1854

Ancistrus Kner, 1854: 272. Type species: *Hypostomus cirrhosus* Valenciennes, 1836. Type by subsequent designation by Bleeker (1862–63: 2). Gender: Masculine.

Xenocara Regan, 1904b: 251. Type species: *Chaetostomus latifrons* Günther, 1869. Type by subsequent designation by Eigenmann (1910: 405, 410). Gender: Neuter.

Thysanocara Regan, 1906a: 96. Type species: *Hypostomus cirrhosus* Valenciennes, 1836. Type by monotypy. Gender: Neuter. Proposed as a subgenus of *Xenocara*.

Pristiancistrus Fowler, 1945a: 121. Type species: *Pristiancistrus eustictus* Fowler, 1945. Type by original designation. Gender: Masculine.

Monophyly and systematics: Schaefer (1986); Fisch-Muller (1999).

Key: Fisch-Muller *et al.* (2005, species lacking adipose fin).

Ancistrus aguaboensis Fisch-Muller, Mazzoni & Weber, 2001

Ancistrus aguaboensis Fisch-Muller, Mazzoni & Weber, 2001: 293, fig. 4 (middle). Type locality: Brazil: Goiás: Minaçu: córrego Água Boa: small tributary of rio Bonito, a left bank tributary of the upper rio Tocantins, 10 km from Minaçu on road Minaçu-Campinaçu (13°35'S 48°14'W). Holotype: MNRJ 20850.

Distribution: Upper Tocantins River basin, Brazil (Fisch-Muller, 2003).

Ancistrus bodenhameri Schultz, 1944

Ancistrus brevifilis bodenhameri Schultz, 1944c: 305, pl. 10 (fig. A). Type locality: Río San Pedro at the bridge south of Mene Grande, Motatán system; Venezuela. Holotype: USNM 121066.

Distribution: Eastern and western Maracaibo lake tributaries, Venezuela (Fisch-Muller, 2003).

Ancistrus bolivianus (Steindachner, 1915)

Xenocara boliviana Steindachner, 1915e: 95, pl. 9 (figs. 5–6). Type locality: Rio Songo [= Zongo], Nord Yungas, Bolivia. Syntypes: NMW 43475 (2), NMW 43476 (27). Species described conditionally “*Xenocara bufonia* (C.V.) Regan, juv.? (an *Xenocara boliviana* n. sp.).”

Distribution: Beni, Mamoré and Madre de Dios River basins (Fisch-Muller, 2003).

Ancistrus brevifilis Eigenmann, 1920

Ancistrus brevifilis Eigenmann, 1920a: 7, pl. 1. Type locality: El Concejo, Rio Tiquirito, Venezuela. Holotype: CAS 64609.

Distribution: Tuy River basin, Venezuela (Fisch-Muller, 2003).

Ancistrus brevipinnis (Regan, 1904)

Xenocara brevipinnis Regan, 1904b: 257. Type locality: Rio Grande do Sul [Sistema da Laguna dos Patos, Brazil]. Holotype: BMNH 1891.3.16.76, illustrated in Muller (1989: 894, fig. 3, tab. 3).

Distribution: Laguna dos Patos basin, Brazil (Fisch-Muller, 2003).

Ancistrus bufonius (Valenciennes, 1840)

Hypostomus bufonius Valenciennes, in Cuvier & Valenciennes, 1840b: 511 (377 in Strasbourg deluxe edition). Type locality: Rio Apurimac, qui descend des montagnes du haut Pérou, à environ 2000 mètres de hauteur. Syntypes: MNHN 0000-2228 (2).

Hypostomus calamita Valenciennes, in Cuvier & Valenciennes, 1840b: 515 (380 in Strasbourg deluxe edition). Type locality: dans les montagnes du haut Pérou, dans le rio Apurimac. Syntypes: MNHN 0000-2227 (2).

Distribution: Apurimac River basin, Peru (Fisch-Muller, 2003).

Ancistrus caucanus Fowler, 1943

Ancistrus caucanus Fowler, 1943a: 253, figs. 41–43. Type locality: Sonsón, Cauca River basin, Colombia. Holotype: ANSP 70516.

Distribution: Cauca River basin, Colombia; known only from the holotype (Fisch-Muller, 2003).

Ancistrus centrolepis Regan, 1913

Ancistrus centrolepis Regan, 1913d: 470. Type locality: River Choco, San Juan, Colombia. Syntypes: BMNH

1910.7.11.122 (1), BMNH 1913.10.1.58 (1).

Ancistrus melas Eigenmann, 1916: 83. Type locality: Condoto [San Juan basin, Colombia]. Holotype: FMNH 58339, illustrated in Eigenmann (1922b: 87, fig. 20; pl. 12, fig. 2).

Ancistrus baudensis Fowler, 1945a: 122, fig. 33–36. Type locality: Alto Rio Baudó, Pacific slope at 3000 feet elevation, Colombia. Holotype: ANSP 71709.

Distribution: Coastal drainages of northern Andes, rivers of northern Colombia (Fisch-Muller, 2003).

Ancistrus chagresi Eigenmann & Eigenmann, 1889

Ancistrus chagresi Eigenmann & Eigenmann, 1889b: 47. Type locality: Rio Chagres [Panama]. Syntypes (2, 14–19 cm): MCZ 8026 (2). Name made available by diagnostic features in key on p. 47.

Distribution: Panama Canal Zone, Chagres, Gatun and Chorrera River basins, Panama (Fisch-Muller, 2003).

Ancistrus cirrhosus (Valenciennes, 1836)

Hypostomus cirrhosus Valenciennes, 1836, in Valenciennes, 1835–47: pl. 7 (fig. 3). Type locality: Not stated. Holotype: at MNHN; not found (Fisch-Muller, 2003). Name available from caption to plate, with the illustrated specimen the holotype.

Distribution: Paraná River basin, Argentina (Fisch-Muller, 2003).

Remarks: Species subsequently described in Cuvier & Valenciennes (1840b: 511, 378 in Strasbourg deluxe edition), with the statement that the species was found in Misiones and Buénos-Ayres. However, Fisch-Muller (2003) presented evidence that the collection was likely to have come from Corrientes. Isbrücker's (1980: 68) designation of MNHN b-0603 as lectotype is invalid, since the illustrated specimen must be considered the holotype. Fisch-Muller (2003) suggested, instead, that the holotype was not preserved.

Ancistrus claro Knaack, 1999

Ancistrus claro Knaack, 1999a: 71, fig. 1. Type locality: Brazil, Mato Grosso, Rio Claro, above the bridge, in the direction of Chappada dos Guimaraes. Holotype: MCP 28667.

Distribution: Cuiabá River basin in upper Paraguay River drainage, Brazil (Fisch-Muller, 2003).

Ancistrus clementinae Rendahl, 1937

Ancistrus clementinae Rendahl, 1937: 4, fig. 2 (upper). Type locality: Ecuador, Syst. Rio de Clementina [=Río Pozuelos], nw. von Babahoyo. Holotype: NRM 10369.

Distribution: Pozuelos River basin in the Guayas River drainage, Ecuador (Fisch-Muller, 2003).

Ancistrus cryptophthalmus Reis, 1987

Ancistrus cryptophthalmus Reis, 1987: 82, fig. 1b. Type locality: Caverna Passa Três (about 300 m into the cave), Rio São Vicente system, São Domingos, Goiás, Brazil. Holotype: MZUSP 28809.

Distribution: São Vicente and Angélica-Bezerra Cave system in upper Parana River, Tocantins River drainage, Brazil (Fisch-Muller, 2003).

Remarks: See Reis (1992) for additional information.

Ancistrus cuiabae Knaack, 1999

Ancistrus cuiabae Knaack, 1999d: 151, figure on p. 150. Type locality: Brazil, Mato Grosso, Pantanal, 36 km SE Pocone, in a permanent remnant water of Rio Bento Gome [=Gomes]. Holotype: MCP 28671.

Distribution: Cuiabá River basin in upper Paraguay River drainage, Brazil (Fisch-Muller, 2003).

Ancistrus damasceni (Steindachner, 1907)

Xenocara damasceni Steindachner, 1907d: 292. Type locality: dem Parnahyba bei Victoria und Sa. Filomena [Brazil]. Syntypes: NMW 43489 (4), NMW 43490 (7), ZSM 7579, and additional specimens.

Distribution: Upper Parnaíba River basin, Brazil (Fisch-Muller, 2003).

Ancistrus dolichopterus Kner, 1854

Hypostoma punctatum Jardine, in Schomburgk, 1841: 145, fig. on p. 145 (Schomb. Drawings, No 68). Type locality: Rio Branco [Brazil]. Holotype: not preserved (Isbrücker, 1980: 72). Preoccupied by *Hypostomus punctatus* Valenciennes, 1840.

Ancistrus dolichopterus Kner, 1854: 274, pl. 3 (fig. 1). Type locality: Barra do Rio negro [Brazil]. Syntypes: NMW 46276: 1–2 (2), NMW 47164: 1–2 (2). Originally as *Anc. dolichopterus*.

Distribution: Upper and middle Brazilian Amazon River basin; Negro, lower Trombetas, Tefé, Madeira and Tapajós River basins, (Fisch-Muller, 2003).

Ancistrus dubius Eigenmann & Eigenmann, 1889

Ancistrus cirrhosus dubius Eigenmann & Eigenmann, 1889b: 48. Type locality: Gurupa [Brazil]. Holotype: MCZ 7993 (but published as 7983). Name made available by diagnostic features in key on p. 47.

Distribution: Amazon River basin; middle Paraná and Paraguay River basins (Fisch-Muller, 2003).

Remarks: Eschmeyer *et al.* (1998: 498), Fisch-Muller (2003: 375), and the MCZ fish collection catalog, list MCZ 7993 as a syntype of *Ancistrus cirrhosus dubius*. However, the notation in Eigenmann & Eigenmann (1889b: 48) includes the word “type” only in front of the number 7983 [sic for 7993] for a single specimen from Gurupa, which appropriately makes that specimen the holotype.

Ancistrus erinaceus (Valenciennes, 1840)

Hypostomus erinaceus Valenciennes, in Cuvier & Valenciennes, 1840b: 510 (376 in Strasbourg deluxe edition). Type locality: Chili [in error]. Holotype: MNHN a-9568.

Distribution: Unknown; known only from holotype (Fisch-Muller, 2003).

Remarks: Type locality, if intended to refer to Chile, must be in error inasmuch as no specimens of *Ancistrus* have subsequently been found in any of the river basins of that country.

Ancistrus eustictus (Fowler, 1945)

Pristiancistrus eustictus Fowler, 1945a: 121, figs. 29–32. Type locality: Alto Rio Baudó, Pacific slope at 3000 feet elevation, Colombia. Holotype: ANSP 71710.

Distribution: Upper Baudó River basin, Colombia; known only from the holotype (Fisch-Muller, 2003).

Ancistrus formoso Sabino & Trajano, 1997

Ancistrus formoso Sabino & Trajano, 1997: 74, fig. 4. Type locality: Buraco do Ducho cave, Serra da Bodoquena, Município de Bonito (21°08'S, 56°28'W), State of Mato Grosso do Sul, Brazil. Holotype: MZUSP 51386.

Distribution: Buraco do Ducho Cave in Formoso phreatic system, Brazil (Fisch-Muller, 2003).

Ancistrus fulvus (Holly, 1929)

Xenocara fulva Holly, 1929: 119. Type locality: Alto Rio Acara (Brasilien). Holotype: NMW 57203.

Distribution: Acará River basin, lower Amazon drainage, Brazil; known only from the holotype (Fisch-Muller, 2003).

Ancistrus galani Pérez & Vilorio, 1994

Ancistrus galani Pérez & Vilorio, 1994: 105, fig. 3. Type locality: Cueva de Los Laureles (Zu. 31), Río Socuy, Sierra de Perijá, Zulia State; Venezuela, 72°27'42"W, 10°45'04"N; elevation 650 m. Holotype: MBLUZ 04351.

Distribution: Los Laureles Cave in Socuy River basin, Lake Maracaibo drainage Venezuela (Fisch-Muller, 2003).

Ancistrus gymnorhynchus Kner, 1854

Ancistrus gymnorhynchus Kner, 1854: 275. Type locality: Puerto Cabello [Venezuela]. Holotype: NMW 43495. Originally as *Anc. gymnorhynchus*; redescribed and illustrated by Steindachner (1917: 93, pl. 9, figs. 7–8).

Xenocara rothschildi Regan, 1905b: 242. Type locality: San Esteban, near Porto Cabello, Venezuela. Syntypes: BMNH 1904.11.9.27–31 (5).

Distribution: Coastal rivers of Carabobo and Yaracuy States; upper Pao River basin in Orinoco River drainage, Venezuela (Fisch-Muller, 2003).

Ancistrus heterorhynchus (Regan, 1912)

Xenocara heterorhynchus Regan, 1912b: 668, pl. 76 (fig. 2). Type locality: Uruhuasi [Inambari basin] Peru (4000 ft). Syntypes: BMNH 1911.12.20.35–36 (2).

Distribution: Inambari River basin in Madre de Dios River drainage, Peru; known only from type series (Fisch-Muller, 2003).

Ancistrus hoplogenys (Günther, 1864)

Chaetostomus hoplogenys Günther, 1864: 247. Type locality: River Capin, Para [Brazil]. Syntypes: BMNH 1849.11.8.89–91 (3).

Chaetostomus alga Cope, 1872a: 287, pl. 15 (fig. 3). Type locality: The Ambyiacu river, which empties into the Amazon near to Pebas, in Eastern Ecuador, some distance east of the Napo [Peru]. Syntypes: ANSP 16461 (1), ANSP 16462 (1).

Chaetostomus tectirostris Cope, 1872a: 288, pl. 15 (fig. 2). Type locality: The Ambyiacu river, which empties into the Amazon near to Pebas, in Eastern Ecuador, some distance east of the Napo [Peru]. Syntypes: ANSP 8298

(1), ANSP 8300 (1).

Chaetostomus (Ancistrus) cirrhosus punctata Steindachner, 1881c: 123. Type locality: Rio Branco und Rio Guapore in Mato Grosso, Coary und Tabatinga [Amazonas, Brazil]. Syntypes: NMW 47163 (3), NMW 47279: 1–3 (3), NMW 47280: 1–2 (2), NMW 47281: 1–2 (2), NMW 47288 (1). Originally as *Chaetostomus (Ancistrus) cirrhosus* var. *punctata*.

Distribution: Amazon, Essequibo, and Paraguay River basins (Fisch-Muller, 2003).

Ancistrus jataiensis Fisch-Muller, Cardoso, da Silva & Bertaco, 2005

Ancistrus jataiensis Fisch-Muller, Cardoso, da Silva & Bertaco, 2005b: 567, fig. 4. Type locality: Brazil: Goiás: Mambai: córrego Jataí, tributary of the rio Vermelho (14°29'S, 46°6'W), rio Tocantins basin. Holotype: MCP 35244.

Distribution: upper Tocantins River basin, Brazil (Fisch-Muller *et al.*, 2005b).

Ancistrus jelskii (Steindachner, 1876)

Chaetostomus Jelskii Steindachner, 1876: 603. Type locality: Amable Maria, Monterico, den Gebirgsbächen der hohen Anden in Peru [Tulumayo River basin, tributary of Péréné River]. Syntypes: at NMW.

Distribution: Tulumayo River basin in upper Ucayali River drainage, Peru (Fisch-Muller, 2003).

Remarks: Validity of species questioned by Fisch-Muller (2003).

Ancistrus latifrons (Günther, 1869)

Chaetostomus latifrons Günther, 1869: 426. Type locality: Upper Amazons, Peruvian Amazons. Holotype: BMNH 1869.5.21.4; holotype illustrated in Regan (1904b: 253, pl. 15, fig. 1).

Distribution: Upper Amazon and Solimões River basins, Brazil, Peru (Fisch-Muller, 2003).

Ancistrus leucostictus (Günther, 1864)

Chaetostomus leucostictus Günther, 1864: 248. Type locality: Essequibo [Guyana]. Possible holotype: BMNH 1864.1.21.85.

Distribution: Essequibo River basin, possibly all main rivers of Guianas (Fisch-Muller, 2003).

Remarks: Type status of specimen registered as holotype questioned by Muller (1989: 886; also Fisch-Muller, 2003).

Ancistrus lineolatus Fowler, 1943

Ancistrus lineolatus Fowler, 1943a: 255, figs. 44–47. Type locality: Florencia, Rio Ortegusa, Colombia. Holotype: ANSP 70517.

Distribution: Ortegusa River basin in upper Japurá River drainage, Colombia; known only from holotype (Fisch-Muller, 2003).

Ancistrus lithurgicus Eigenmann, 1912

Ancistrus lithurgicus Eigenmann, 1912b: 241, pl. 25 (fig. 3). Type locality: Crab Falls; Lower Essequibo, British Guiana. Holotype: FMNH 53091

Distribution: Essequibo River basin, Guyana (Fisch-Muller, 2003).

Ancistrus macrophthalmus (Pellegrin, 1912)

Xenocara macrophthalma Pellegrin, 1912: 271, fig. 1. Type locality: l'Orénoque [Venezuela]. Holotype: MNHN 1887-0650.

Distribution: Orinoco River and lower parts of some of its tributaries, Venezuela (Fisch-Muller, 2003).

Ancistrus maculatus (Steindachner, 1881)

Chaetostomus (Ancistrus) cirrhosus maculatus Steindachner, 1881c: 123. Type locality: Cudajas, Obidos, dem Rio Tajapouru [Brazil], und dem Rio Chagres [Panama]. Syntypes: NMW 47282 (1), NMW 47289: 1–2 (2), NMW 47290 (1), NMW 55035 (1). Originally as *Chaetostomus (Ancistrus) cirrhosus* var. *maculatus*.

Distribution: Amazon River basin, Brazil (Fisch-Muller, 2003).

Remarks: Type series mixed; specimens from Chagres River belong to *Ancistrus chagresi* (Fisch-Muller, 2003). A lectotype designation of a specimen from Brazil is necessary to stabilize the validity of this name.

Ancistrus malacops (Cope, 1872)

Chaetostomus malacops Cope, 1872a: 287, pl. 5 (figs. 2a–b). Type locality: The Ambyiacu river, which empties into the Amazon near to Pebas, in Eastern Ecuador, some distance east of the Napo [Peru]. Syntypes: ANSP 8299 (2).

Distribution: Ampiyacu River basin, Peru (Fisch-Muller, 2003).

Remarks: Validity of species uncertain (Fisch-Muller, 2003).

Ancistrus maracasae Fowler, 1946

Ancistrus maracasae Fowler, 1946: 2, figs. 1–4. Type locality: Maracas River, Trinidad. Holotype: ANSP 71723.

Distribution: Maracas River basin, Trinidad and Tobago; known only from the holotype (Fisch-Muller, 2003).

Ancistrus martini Schultz, 1944

Ancistrus triradiatus martini Schultz, 1944c: 302, pl. 9 (fig. C). Type locality: Río Táchira, 7 km. north of San Antonio, Catatumbo system; Venezuela. Holotype: USNM 121064.

Distribution: Zulia River basin in the Catatumbo River drainage, Lake Maracaibo drainage, Venezuela (Fisch-Muller, 2003).

Ancistrus megalostomus Pearson, 1924

Ancistrus megalostomus Pearson, 1924: 23, pl. 7 (fig. 1). Type locality: Huachi; at the junction of the Bopi and Cochabamba rivers, altitude 2,235 feet, Bolivia. Syntypes: CAS 64614 (2).

Distribution: Beni River basin in Madeira River drainage, Bolivia; known only from the syntypes (Fisch-Muller, 2003).

Ancistrus minutus Fisch-Muller, Mazzoni & Weber, 2001

Ancistrus minutus Fisch-Muller, Mazzoni & Weber, 2001: 298, fig. 5 (middle). Type locality: Brazil: Goiás: Minaçú: córrego Batéias, a left bank tributary of the upper rio Tocantins (13°49'S 48°20'W). Holotype: MNRJ 20851.

Distribution: Upper Tocantins tributaries in Goiás State upstream of the dam of Serra da Mesa, Brazil (Fisch-Muller, 2003).

Ancistrus montanus (Regan, 1904)

Xenocara montana Regan, 1904b: 258, pl. 14 (fig. 6). Type locality: Tumupara [=Tumupasa], Andes of Bolivia, 1500 ft. Holotype: BMNH 1902.12.18.4.

Distribution: Beni River basin in upper Madeira River drainage, Bolivia (Fisch-Muller, 2003).

Ancistrus multispinis (Regan, 1912)

Xenocara multispinis Regan, 1912b: 668, pl. 76 (fig. 1). Type locality: Humboldt and Novo Rivers, Sta. Catherina, S. E. Brazil [restricted to Humboldt River, Rio Itapocú basin by lectotype designation]. Lectotype: BMNH 1910.7.26.32, illustrated in, and designated by, Muller (1989: 894, fig. 4, tab. 3).

Hemiancistrus albocinctus Ahl, 1936: 111. Type locality: Umbegung von Rio de Janeiro [Brazil]. Holotype: ZMB 20955.

Distribution: Atlantic coastal drainages of eastern Brazil, from Macacú River to Maquiné River (Fisch-Muller, 2003).

Ancistrus nationi (Fernández-Yépez, 1972)

Lasiancistrus nationi Fernández-Yépez, 1972a: 23, pl. 23. Type locality: Venezuela, la estación No 140 del Complejo Hidrográfico (4), Río Yaracuy. Holotype: personal collection of Fernández-Yépez, current whereabouts unknown.

Distribution: Yaracuy River basin, Venezuela (Fisch-Muller, 2003).

Remarks: Placement in *Ancistrus* follows Armbruster (2005: 567).

Ancistrus nudiceps (Müller & Troschel, 1848)

Hypostomus nudiceps Müller & Troschel, 1848: 631. Type locality: dem Takutu, Britisch-Guiana. Holotype: ZMB 3180.

Distribution: Takutu River basin in upper Branco River drainage, Guyana, known only from the holotype (Fisch-Muller, 2003).

Remarks: Redescribed in Eigenmann (1912b: 236, footnote 24).

Ancistrus occidentalis (Regan, 1904)

Xenocara occidentalis Regan, 1904b: 257, pl. 14 (fig. 5). Type locality: Canelos [=Chambria], E. Ecuador. Syntypes: BMNH 1880.12.8.69–74 (6).

Distribution: Bobonaza River basin, Ecuador (Fisch-Muller, 2003).

Ancistrus ocloi Eigenmann, 1928

Ancistrus ocloi Eigenmann, in Myers, 1928: 86. Type locality: Ollantaytambo, Rio Urubamba, Peru, 9000 feet.

- Holotype: CAS 66847.
Distribution: Upper Urubamba River basin, Peru (Fisch-Muller, 2003).
Remarks: Redescribed in Eigenmann & Allen (1942: 197, pl. 10 figs. 1–2).
- Ancistrus parecis*** Fisch-Muller, Cardoso, da Silva & Bertaco, 2005
Ancistrus parecis Fisch-Muller, Cardoso, da Silva & Bertaco, 2005a: 529, fig. 3. Type locality: Brazil: Mato Grosso: Campos de Júlio: rio Formiga (tributary of rio Juruena, upper rio Tapajós basin), on the road BR-364 (MT-235), between Campos de Júlio and Sapezal, 13°41'01"S 59°12'11"W. Holotype: MCP 35570.
Distribution: Upper Tapajós River basin, Mato Grosso, Brazil (Fisch-Muller, Cardoso, da Silva & Bertaco, 2005a).
- Ancistrus pirareta*** Muller, 1989
Ancistrus pirareta Muller, 1989: 891, fig. 2 (middle). Type locality: Salto Pirareta, sud de Piribebuy, affluent du Rio Tebicuary-mi (Cordillera, Paraguay), 25°30'S/56°55'W. Holotype: MHNG 2450.10.
Distribution: Upper Tebicuary-mi River basin in lower Paraguay River drainage, Paraguay (Fisch-Muller, 2003).
Remarks: Redescribed in Muller (1990).
- Ancistrus piriformis*** Muller, 1989
Ancistrus piriformis Muller, 1989: 887, fig. 1 (middle). Type locality: Rio Acaray, en dessous du lac de barrage (Alto Paraná, Paraguay), 25°23'S/54°42'W. Holotype: MHNG 2450.11.
Distribution: Acaray River basin in middle Paraná River drainage, Paraguay (Fisch-Muller, 2003).
Remarks: Redescribed in Muller (1990).
- Ancistrus ranunculus*** Muller, Rapp Py-Daniel & Zuanon, 1994
Ancistrus ranunculus Muller, Rapp Py-Daniel & Zuanon, 1994: 290, fig. 1 (middle). Type locality: Brazil, Pará, Rio Xingú, furo do Tucum Seco, near Arroz Cru. Holotype: INPA 9509.
Distribution: Xingu and Tocantins River basins, Brazil (Fisch-Muller, 2003).
- Ancistrus reisi*** Fisch-Muller, Cardoso, da Silva & Bertaco, 2005
Ancistrus reisi Fisch-Muller, Cardoso, da Silva & Bertaco, 2005b: 564, fig. 3. Type locality: Brazil: Goiás: Mambafá: córrego das Dores, tributary of the rio Vermelho (14°29'S, 46°6'W), rio Tocantins basin. Holotype: MCP 34818.
Distribution: upper Tocantins River basin, Brazil (Fisch-Muller *et al.*, 2005b).
- Ancistrus spinosus*** Meek & Hildebrand, 1916
Ancistrus spinosus Meek & Hildebrand, 1916: 252. Type locality: Rio Calobre, tributary of the Rio Bayano, Panama. Holotype: FMNH 8942.
Distribution: Pacific and Caribbean river drainages of eastern Panama (Fisch-Muller, 2003).
Remarks: Fisch-Muller (2003) questioned the identity of the specimen registered as holotype.
- Ancistrus stigmaticus*** Eigenmann & Eigenmann, 1889
Ancistrus stigmaticus Eigenmann & Eigenmann, 1889b: 48. Type locality: Sao Matheos; Goyaz [restricted to Goyaz, = Rio Araguaia drainage, upper course of Rio Vermelho at Goiás, 15°47'S, 50°07'W, by lectotype designation]. Lectotype: MCZ 77659, illustrated in, and designated by, Muller (1989: 895, fig. 5). Name made available by diagnostic features in key on p. 47.
Distribution: Upper Araguaia River basin, Brazil (Fisch-Muller, 2003).
- Ancistrus tamboensis*** Fowler, 1945
Ancistrus tamboensis Fowler, 1945c: 9, figs. 13–15. Type locality: Satipo, at 600 meters elevation in upper Tambo basin, Rio Ucayali drainage, Peru. Holotype: ANSP 71643.
Distribution: Tambo River basin in upper Ucayali drainage, Peru, known only from holotype (Fisch-Muller, 2003).
- Ancistrus taunayi*** Miranda Ribeiro, 1918
Ancistrus taunayi Miranda Ribeiro, 1918d: 631. Type locality: Itaqui, Rio Lageado, Rio Grande do Sul [Brazil]. Lectotype: MZUSP 975, designated by Britski (1969: 208) and illustrated in Muller (1989: 896, fig. 6, tab. 3).
Distribution: Middle Uruguay River basin (Fisch-Muller, 2003).
- Ancistrus temminckii*** (Valenciennes, 1840)
Hypostomus Temminckii Valenciennes, in Cuvier & Valenciennes, 1840b: 514 (380 in Strasbourg deluxe edition). Type locality: Cayenne [in error, interpreted as Suriname, region near Paramaribo, by Boeseman (1972: 305)]. Holotype: RMNH 3123.
Plecostomus aculeatus Gronow, in Gray, 1854: 158. Type locality: America Meridionali. Based on descriptions and

illustrations in Gronovius (1763: no. 393) and Seba (1734–65: pl. 29, fig. 12). Syntypes: Whereabouts unknown.

Distribution: Saramacca, Suriname, and Maroni River basins, Suriname (Fisch-Muller, 2003).

Ancistrus tombador Fisch-Muller, Cardoso, da Silva & Bertaco, 2005

Ancistrus tombador Fisch-Muller, Cardoso, da Silva & Bertaco, 2005b: 560, fig. 1. Type locality: Brazil: Mato Grosso: Porto dos Gaúchos, Irapé Ribeirão Preto, on the road MT-338, about 26 km SE from Porto dos Gaúchos (11°39'27"S, 57°12'7"W), a tributary of rio Arinos, upper rio Tapajós basin. Holotype: MCP 33000.

Distribution: Arinos River tributaries, upper Tapajós River basin, Brazil (Fisch-Muller, *et al.*, 2005b).

Ancistrus trinitatis (Günther, 1864)

Chaetostomus trinitatis Günther, 1864: 246. Type locality: Trinidad. Syntypes: based on specimens reported on by Gill (1858: 409) as *Ancistrus guacharote*, possibly deposited at USNM, but whereabouts unknown.

Distribution: Trinidad Island, Trinidad and Tobago (Fisch-Muller, 2003).

Remarks: See comments on types and question about validity of species in Regan (1904b: footnote on p. 238; 1906: 95). Generic allocation based on Armbruster (2004a: 13), although Armbruster (2005: 567) suggests that even that is uncertain.

Ancistrus triradiatus Eigenmann, 1918

Ancistrus triradiatus Eigenmann, 1918b: 680. Type locality: Quebrada Cramalote, Villavicencio; Andes east of Bogotá [upper Meta basin, Colombia]. Holotype: CAS 60164; holotype illustrated in Eigenmann (1922b: 224, pl. 13, figs. 3–4).

Distribution: Middle and lower Orinoco River tributaries; Valencia Lake and Los Guayos River basin; southern tributaries of Lake Maracaibo basin (Fisch-Muller, 2003).

Ancistrus variolus (Cope, 1872)

Chaetostomus variolus Cope, 1872a: 288. Type locality: The Ambyiacu river, which empties into the Amazon near to Pebas, in Eastern Ecuador, some distance east of the Napo [Peru]. Syntypes: ANSP 21284 (1), ANSP 21285 (1).

Distribution: Ampiyacu River basin, Peru (Fisch-Muller, 2003).

Ancistrus verecundus Fisch-Muller, Cardoso, da Silva & Bertaco, 2005

Ancistrus verecundus Fisch-Muller, Cardoso, da Silva & Bertaco, 2005a: 527, fig. 2. Type locality: Brazil: Rondônia: Vilhena: Igarapé Piracolina, about 6 km W of Vilhena, on the road BR-364, upper rio Madeira basin, 12°43'33"S 60°11'34"W. Holotype: MCP 35572.

Distribution: Upper Madeira River basin, Rondônia, Brazil (Fisch-Muller *et al.*, 2005a).

APHANOTORULUS Isbrücker & Nijssen, 1983

Aphanotorulus Isbrücker & Nijssen, 1983a: 105. Type species: *Aphanotorulus frankei* Isbrücker & Nijssen, 1983. Type by original designation. Gender: Masculine.

Revision: Armbruster & Page (1996) and Armbruster (1998b).

Aphanotorulus ammophilus Armbruster & Page, 1996

Aphanotorulus ammophilus Armbruster & Page, 1996: 385, fig. 2 (middle). Type locality: Venezuela, Estado Cojedes, Río San Carlos, R. Portuguesa drainage at Caño Hondo, 2 km west of Las Vegas on the road from Las Vegas to Campo Alegre – 9°31'51"N, 68°39'39"W. Holotype: INHS 32035.

Distribution: Portuguesa River basin, Venezuela (Weber, 2003).

Aphanotorulus unicolor (Steindachner, 1908)

Plecostomus unicolor Steindachner, 1908f: 164. Type locality: Rio Purús. Lectotype: NMW 44271: 2, designated by Armbruster (1998b: 254).

Plecostomus madeira Fowler, 1913: 571, fig. 23. Type locality: Madeira River, about 200 miles east of W. long. 63°54'W, Brazil. Holotype: ANSP 39312.

Plecostomus popoi Pearson, 1924: 20, pl. 3 (fig. 2). Type locality: Popoi River, Upper Río Beni, Bolivia. Holotype: CAS 77346.

Plecostomus micropunctatus La Monte, 1935: 1, fig. 1. Type locality: Rio Purús: [...] in the vicinity of the mouth of Rio Macauhan, a tributary of Rio Iaco which, in turn, is a tributary of Rio Purús (70°15'W, 7°30'S). Holotype:

AMNH 12598.

Plecostomus chaparae Fowler, 1940c: 81, figs. 38–40. Type locality: Boca Chapare, Río Chimore, Cochabamba, Bolivia. Holotype: ANSP 69067.

Aphanotorulus frankei Isbrücker & Nijssen, 1983a: 108, figs. 1–2. Type locality: [...] du Pérou, Dept. Ucayali, Prov. Coronel Portillo, système du Rio Aguaytia. Rio Neshua (environ 08°36'S, 74°50'W), 60 km S.O. de Pucallpa, le long de la route de Tingo Maria. Holotype: ZMA 116.640.

Distribution: Upper Amazon River basin (Weber, 2003).

Remarks: Synonymy based on Armbruster (1998b: 254).

APISTOLORICARIA Isbrücker & Nijssen, 1986

Apistoloricaria Isbrücker & Nijssen, 1986b: 103. Type species: *Apistoloricaria condei* Isbrücker & Nijssen, 1986.

Type by original designation. Gender: Feminine.

Revision and key to species: Nijssen & Isbrücker (1988).

Apistoloricaria condei Isbrücker & Nijssen, 1986

Apistoloricaria condei Isbrücker & Nijssen, 1986b: 104, fig. 1. Type locality: L'Equateur, Prov. Napo, bassin du Napo (haut Amazone) embouchure du Rio Tiputini dans le Rio Napo au confluent de l'affluent principal, en eau profonde (00°48.9'S, 75°32.5'O). Holotype: FMNH 94683.

Distribution: Upper Amazon drainage, Napo River basin, Ecuador (Nijssen & Isbrücker, 1988).

Apistoloricaria laani Nijssen & Isbrücker, 1988

Apistoloricaria laani Nijssen & Isbrücker, 1988: 34, figs. 2–4. Type locality: Colombie, Dept. Meta, Río Metica, à El Aviso, environ 3°59'N, 72°59'O. Holotype: ANSP 131483.

Distribution: Orinoco River drainage, Meta River basin, Colombia (Nijssen & Isbrücker, 1988).

Apistoloricaria listrorhinos Nijssen & Isbrücker, 1988

Apistoloricaria listrorhinos Nijssen & Isbrücker, 1988: 36, figs. 5–7. Type locality: Colombie, Dept. Meta, Río Metica, à environ 1.5 km E. de Rajote, 3°56'N, 73°03'O. Holotype: ANSP 131482.

Distribution: Orinoco River drainage, Metica River basin, Colombia (Nijssen & Isbrücker, 1988).

Apistoloricaria ommation Nijssen & Isbrücker, 1988

Apistoloricaria ommation Nijssen & Isbrücker, 1988: 37, figs. 8–10. Type locality: Pérou, Dept. Loreto, environs d'Iquitos, Rio Amazonas (Maranon) entre l'île Iquitos et l'île Lapuna, près du rivage de l'île Lapuna. Holotype: ANSP 138932.

Distribution: Lower Marañon River, Upper Amazon River drainage, Peru (Nijssen & Isbrücker, 1988).

APOSTURISOMA Isbrücker, Britski, Nijssen & Ortega, 1983

Aposturisoma Isbrücker, Britski, Nijssen & Ortega, 1983: 34. Type species: *Aposturisoma myriodon* Isbrücker, Britski, Nijssen & Ortega, 1983. Type by original designation. Gender: Neuter.

Aposturisoma myriodon Isbrücker, Britski, Nijssen & Ortega, 1983

Aposturisoma myriodon Isbrücker, Britski, Nijssen & Ortega, 1983: 35, figs. 3–6. Type locality: Pérou, Dept. Ucayali, Prov. Coronel Portillo, bassin du Aguaytia, Rio Huacamayó (environ 09°00'S, 75°29.0'O) près de la route de Pucallpa à Tingo Mario, environ 8 km N.E. du village d'Aguaytia. Holotype: MZUSP 15328.

Distribution: Upper Amazon River drainage, Aguaytia River basin, Peru (Isbrücker *et al.*, 1983).

BARYANCISTRUS Rapp Py-Daniel, 1989

Baryancistrus Rapp Py-Daniel, 1989: 245. Type species: *Hypostomus niveatus* Castelnau, 1855. Type by original designation. Gender: Masculine.

Baryancistrus demantoides Werneke, Sabaj, Lujan & Armbruster, 2005

Baryancistrus demantoides Werneke, Sabaj, Lujan & Armbruster, 2005: 535, fig. 2. Type locality: Venezuela, Amazonas, río Orinoco drainage, río Ventuari near ornamental fish market in river, 04.07565°, -066.89285°. MCNG 54029.

Distribution: Orinoco River at confluence with Ventuari River and lower Ventuari River, Venezuela (Werneke, Sabaj, Lujan & Armbruster, 2005).

Baryancistrus longipinnis (Kindle, 1895)

Hemiancistrus longipinnis Kindle, 1895: 255. Type locality: Trocera on Tocantins, Brazil. Holotype: MCZ 29051.
Distribution: Tocantins River basin, Brazil (Fisch-Muller, 2003).

Baryancistrus niveatus (Castelneau, 1855)

Hypostomus niveatus Castelneau, 1855: 43, pl. 21 (fig. 3). Type locality: du Rio Araguay, de la province de Goyaz [Brazil]. Possible syntypes: MNHN a-9453 and MNHN a-9454 (dry specimens).
Distribution: Tocantins, Xingu, Tapajós, and Trombetas River basins, Brazil (Fisch-Muller, 2003).
Remarks: Literature mentions 2 syntypes (e.g., Regan, 1904b, Bertin & Estève, 1950), but the description appears to be based on a single alcohol-preserved specimen (Fisch-Muller, 2003) which was not found at MNHN.

BROCHILORICARIA Isbrücker & Nijssen, 1979

Brochiloricaria Isbrücker & Nijssen, in Isbrücker, 1979a: 90. Type species: *Brochiloricaria chauliodon* Isbrücker, 1979. Type by original designation. Gender: Feminine.

Brochiloricaria chauliodon Isbrücker, 1979

Brochiloricaria chauliodon Isbrücker, 1979a: 102, fig. 15. Type locality: Argentine, Prov. Entre Rios, Isla El Dorado, Paraná Guaza (localité non précisée). Holotype: ZSM 23342.
Distribution: La Plata River basin, Argentina (Isbrücker, 1979).

Brochiloricaria macrodon (Kner, 1853)

Loricaria macrodon Kner, 1853a: 12, 15, pl. 2. Type locality: Aus dem Cujabaflusse [Brazil]. Holotype: NMW 45087. Originally as *Lor. macrodon*.
Distribution: Paraguay River basin, Brazil.

CHAETOSTOMA Tschudi, 1846

Chaetostoma Tschudi, 1846: 25. Type species: *Chaetostoma lobarhynchos* Tschudi, 1846. Type by monotypy. Gender: Neuter.
Chaetostomus Kner, 1854: 271, 286. Type species: *Chaetostoma lobarhynchos* Tschudi, 1846. Type by being a replacement name. Unjustified emendation of *Chaetostoma* Tschudi, 1846. Gender: Masculine.
Hypocolpterus Fowler, 1943a: 259. Type species: *Hypocolpterus analis* Fowler, 1943. Type by original designation. Gender: Masculine.
Keys: Schultz (1944c: 287, Venezuela) and Fernández-Yépez (1945: 29, Venezuela).
Monophyly: Schaefer (1986).
Biogeography: Lasso & Provenzano (1998: 62).

Chaetostoma aburrense (Posada, 1909)

Hypostomus aburrensis Posada, 1909: 297. Type locality: Medellín (?). Holotype: Whereabouts unknown.
Distribution: Cauca River basin, Colombia (Fisch-Muller, 2003).

Chaetostoma aequinoctiale Pellegrin, 1909

Chaetostomus aequinoctialis Pellegrin, 1909c: 518. Type locality: Rio Pove, Santo Domingo de los Colorados (560 mètres), Équateur. Holotype: MNHN 1904-0017.
Distribution: Guayas River basin, Ecuador (Fisch-Muller, 2003).

Chaetostoma alternifasciatum Fowler, 1945

Chaetostoma alternifasciatum Fowler, 1945a: 116, fig. 21–24. Type locality: Morelia, Rio Caquetá basin, Colombia. Holotype: ANSP 71711.
Distribution: Caqueta River basin in upper Japurá River drainage, Colombia (Fisch-Muller, 2003).

Chaetostoma anale (Fowler, 1943)

Hypocolpterus analis Fowler, 1943a: 261, figs. 56–59. Type locality: Florencia, Rio Ortegusa, Colombia. Holotype: ANSP 70525.
Distribution: Ortegusa River basin, upper Japurá River drainage, Colombia (Fisch-Muller, 2003).

Chaetostoma anomalum Regan, 1903

Chaetostomus anomalus Regan, 1903a: 599. Type locality: Merida, Venezuela, altitude 1500 meters and from the Albireggas and Milla rivers, above Merida, altitude 3500 meters. Syntypes: BMNH 1903.6.30.91–101, USNM

133135.

Distribution: Lake Maracaibo basin, upper Chama, Capazon and Escalante River basins, Venezuela (Fisch-Muller, 2003).

Chaetostoma branickii Steindachner, 1881

Chaetostomus branickii Steindachner, 1881c: 118, pl. 6 (fig. 1). Type locality: Callacate [Peru]. Syntypes: NMW 47270 (2), NMW 47271 (3).

Distribution: Upper Chamaya River basin in upper Marañón River drainage, Peru (Fisch-Muller, 2003).

Remarks: Fisch-Muller (2003) clarified the type locality, as follows: Cajamarca: Rio Chota (= rio Chotano), alt. ca. 1465–1585 m., ca. 12 km from Cutervo N of Chota; 06°25'S / 78°56'W.

Chaetostoma breve Regan, 1904

Chaetostomus brevis Regan, 1904b: 247, pl. 13 (fig. 3). Type locality: Bomboiza and Zamora Rivers [Santiago River basin], Eastern Ecuador. Syntypes (6): BMNH 1898.11.4.33–36 (4).

Distribution: Zamora River basin in upper Marañón River drainage, Ecuador (Fisch-Muller, 2003).

Chaetostoma brevilabiatum Dahl, 1942

Chaetostomus brevilabiatum Dahl, 1942: 80, fig. 1. 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. Altitude approximately 600 m. Magdalena system. Holotype: at ZMUL.

Distribution: Magdalena River basin, Colombia; known only from the holotype (Fisch-Muller, 2003).

Chaetostoma dermorhynchum Boulenger, 1887

Chaetostomus dermorhynchus Boulenger, 1887c: 277, pl. 22 (upper fig.). Type locality: Canelos [Bobonaza River]; eastern Ecuador. Syntypes: BMNH 1880.12.8.64–66 (3).

Distribution: Pastaza, upper Bobonaza, Napo, and upper Curaray River basins, Ecuador (Fisch-Muller, 2003).

Chaetostoma dorsale Eigenmann, 1922

Chaetostomus dorsalis Eigenmann, 1922b: 226. Type locality: Quebrada Cramalote, Villavicencio [Meta River basin, Colombia]. Holotype: CAS 77093.

Distribution: Upper Meta and upper Apuré River basins, Colombia and Venezuela (Fisch-Muller, 2003).

Chaetostoma dupouii Fernández-Yépez, 1945

Chaetostoma dupouii Fernández-Yépez, 1945: 27. Type locality: el rio Encantado, en el sitio indicado en los planos adjuntos y más o menos a un kilómetro más arriba de la confluencia do los ríos Encantado y Río Grande, tributario éste del Tuy; Venezuela. Holotype: collection of AFY; current whereabouts unknown.

Distribution: Tuy River basin, Venezuela (Fisch-Muller, 2003).

Chaetostoma fischeri Steindachner, 1879

Chaetostomus Fischeri Steindachner, 1879b: 150. Type locality: Mamoni-Fluss, bei Chepo im Isthmus von Panama. Syntypes: NMW 47170 (1), NMW 47171 (1), NMW 47172 (2), NMW 47173 (1), NMW 54991 (2). Illustrated and described in more detail in Steindachner (1879f: 162, pl. 4).

Distribution: Pacific versant rivers: Bayano, Tuirá, San Juan and Guyas River basins; Caribbean versant Rivers: Chagres, Atrato, Sinú and Magdalena River basins (Fisch-Muller, 2003).

Chaetostoma greeni Isbrücker, 2001

Chaetostomus maculatus Regan, 1904b: 246, pl. 14 (fig. 4). Type locality: Rozmaiu, Upper Peru. Syntypes: BMNH 1903.10.12.3–4 (2). Preoccupied by *Chaetostomus cirrhosus* var. *maculata* Steindachner, 1881; replaced by *Chaetostoma greeni* Isbrücker (2001).

Chaetostoma greeni Isbrücker in Isbrücker *et al.*, 2001: 24. Type locality: Rozmaiu, Upper Peru. Syntypes: BMNH 1903.10.12.3–4 (2). Replacement for *Chaetostomus maculatus* Regan, 1904, preoccupied by *Chaetostomus (Ancistrus) cirrhosus* var. *maculata* Steindachner, 1881.

Distribution: Roz River basin, Peru (Fisch-Muller, 2003).

Chaetostoma guairense Steindachner, 1881

Chaetostomus guairensis Steindachner, 1881c: 121, pl. 3 (fig. 1). Type locality: dem Guaire bei Carácas [Venezuela]. Syntypes: NMW 47183 (2), NMW 47184 (2), NMW 47185 (3).

Distribution: Tuy and Guaire River and Lake Valencia basins, Venezuela (Fisch-Muller, 2003).

Chaetostoma jegui Rapp Py-Daniel, 1991

- Chaetostoma jegui* Rapp Py-Daniel, 1991: 240, fig. 2 (middle). Type locality: Brazil: Federal Territory of Roraima: Rio Uraricoera, Maracá Island, rocks above Furo Maracá, 3°21'N 61°26'W. Holotype: INPA 2822.
Distribution: Uraricoera and Tacutu River basins, Branco River drainage, Brazil (Fisch-Muller, 2003).
- Chaetostoma lepturum* Regan, 1912**
Chaetostomus lepturus Regan, 1912b: 667, pl. 75 (fig. 1). Type locality: Rio Tamana, Rio San Juan, Choco, S. W. Colombia. Syntypes: BMNH 1910.7.11.116–118 (3).
Distribution: Upper San Juan River basin, Colombia (Fisch-Muller, 2003).
- Chaetostoma leucomelas* Eigenmann, 1918**
Chaetostomus leucomelas Eigenmann, 1918b: 681. Type locality: Rio Patia, halfway between the Rios Magui and Telembi [Colombia]. Holotype: CAS 60167; holotype illustrated in Eigenmann (1922b: 84, pl. 12, figs. 5–6).
Distribution: Patia and upper Cauca River basins, Colombia (Fisch-Muller, 2003, Maldonado-Ocampo *et al.*, 2005).
- Chaetostoma lineopunctatum* Eigenmann & Allen, 1942**
Chaetostoma lineopunctata Eigenmann & Allen, 1942: 192, pl. 6 (fig. 1). Type locality: Rio Azupizú [Rio Pachitea drainage, Peru]. Holotype: CAS 64650.
Distribution: Aguaytia, Pachitea and Pisqui River basins, Ucayali River drainage, Upper Amazon system, Peru (Fisch-Muller, 2003).
- Chaetostoma lobarhynchos* Tschudi, 1846**
Chaetostoma lobarhynchos Tschudi, 1846: 26, pl. 4. Type locality: dem Rio Tullumayo in der Montaña de Vitoc, am Ostabhang der Anden; Peru. Holotype: NMW 47190.
Distribution: Tambo River basin, Ucayali River drainage, Peru (Fisch-Muller, 2003).
- Chaetostoma machiquense* Fernández-Yépez & Martín Salazar, 1953**
Chaetostoma machiquensis Fernández-Yépez & Martín Salazar, 1953: 238, fig. on p. 239. Type locality: Río Negro, a 16 kms. Oeste de Machiques; Perijá; Hoya del Lago de Maracaibo, Edo. Zulia, Venezuela. Holotype: MHNLS 1558.
Distribution: Negro River basin in the Lake Maracaibo drainage, Venezuela (Fisch-Muller, 2003).
- Chaetostoma marcapatae* Regan, 1904**
Chaetostomus marcapatae Regan, 1904b: 246, pl. 14 (fig. 1). Type locality: Marcapata Valley, E. Peru. Holotype: BMNH 1902.5.29.211.
Distribution: Inambari River basin in the Madeira River drainage, Peru; known only from the holotype (Fisch-Muller, 2003).
- Chaetostoma marginatum* Regan, 1904**
Chaetostomus marginatus Regan, 1904b: 249, pl. 13 (fig. 1). Type locality: Salidero, N.W. Ecuador. Syntypes (3): BMNH 1901.8.3.27–28 (2), possibly BMNH 1902.5.27.44 (1), but recorded as coming from Rio Durango in register.
Distribution: Bogota, Chimbo and San Juan River basins, Colombia, Ecuador (Fisch-Muller, 2003).
Remarks: Fisch-Muller (2003) clarified type locality as follows: Ecuador: Esmeraldas: rio Bogota, near Bulún (= Pulún), alt. 50–110 m, ca. 01°05'N 78°40'W.
- Chaetostoma marmorescens* Eigenmann & Allen, 1942**
Chaetostoma marmorescens Eigenmann & Allen, 1942: 193. Type locality: Huanacachupa Creek, near Huánuco, elevation 6000 feet. ... A small tumultuous stream from the eastern slope of the Central Cordillera to the Huallaga, a league above Huánuco [Peru]. Holotype: IU 15403 (135 mm specimen); whereabouts unknown, apparently not at CAS.
Distribution: Upper Huallaga River basin, Marañon River drainage, Peru (Fisch-Muller, 2003).
- Chaetostoma microps* Günther, 1864**
Chaetostomus microps Günther, 1864: 250. Type locality: Andes of Western Ecuador. Syntypes: BMNH 1860.6.16.137–143 (7). Syntypes redescribed and illustrated in Regan (1904b: 251, pl. 14, fig. 3)
Distribution: Andes of western Ecuador (Fisch-Muller, 2003).
- Chaetostoma milesi* Fowler, 1941**
Chaetostomus milesi Fowler, 1941c: 2, figs. 1–5. Type locality: Honda, Colombia. Holotype: ANSP 69330.
Distribution: Magdalena River, Colombia, and Apuré River basin, Venezuela (Fisch-Muller, 2003).

Chaetostoma mollinasum Pearson, 1937

Chaetostomus mollinasus Pearson, 1937: 96, pl. 13 (fig. 1). Type locality: Balsas, 3500 feet, and Cajamarca, 9843 feet, Peru. Syntypes: CAS 64653 (8), CAS 64654 (5).

Distribution: Marañon and Cajamarca River basins, Peru (Fisch-Muller, 2003).

Chaetostoma niveum Fowler, 1944

Chaetostoma niveum Fowler, 1944b: 238, figs. 14–16. Type locality: clear waters of Rio Jurubidá, Nuquí [northwestern Colombia]. Holotype: ANSP 71432.

Distribution: Jurubidá River basin, Colombia (Fisch-Muller, 2003).

Chaetostoma nudirostre Lütken, 1874

Chaetostomus nudirostris Lütken, 1874a: 207. Type locality: Valencia [Venezuela]. Holotype: ZMUC P 30168, illustrated by Steindachner (1881c: 120, pl. 5 figs. 2, 2a).

Distribution: Lake Valencia basin, Venezuela (Fisch-Muller, 2003).

Chaetostoma palmeri Regan, 1912

Chaetostomus palmeri Regan, 1912b: 667, pl. 75 (fig. 3). Type locality: Rio Tamana, Rio San Juan, Choco, S. W. Colombia. Syntypes: BMNH 1910.7.11.120–121 (2).

Distribution: Tamana River basin in the San Juan River drainage, Colombia (Fisch-Muller, 2003).

Chaetostoma patiae Fowler, 1945

Chaetostoma patiae Fowler, 1945a: 118, figs. 25–28. Type locality: Rio Patia, at 3000 feet elevation, Pacific slope of southwestern Colombia. Holotype: ANSP 71716.

Distribution: Patia River basin, Colombia (Fisch-Muller, 2003, Maldonado-Ocampo *et al.*, 2005).

Chaetostoma paucispinis Regan, 1912

Chaetostomus paucispinis Regan, 1912b: 667, pl. 75 (fig. 2). Type locality: Tado, Rio San Juan, Choco, Colombia. Holotype: BMNH 1910.7.11.119.

Distribution: San Juan River basin, Colombia (Fisch-Muller, 2003).

Chaetostoma pearsei Eigenmann, 1920

Chaetostomus pearsei Eigenmann, 1920a: 8, pl. 2. Type locality: Rio Castaño [Lake Valencia basin] at Maracay, under rocks, Venezuela. Holotype: CAS 64655.

Distribution: Lake Valencia and Tuy River basins, Venezuela (Fisch-Muller, 2003).

Chaetostoma sericeum Cope, 1872

Chaetostomus sericeus Cope, 1872a: 288. Type locality: The Ambyiacu river, which empties into the Amazon near to Pebas, in Eastern Equador, some distance east of the Napo [Peru]. Lectotype: ANSP 22005, designated by Fowler (1915a: 234).

Distribution: Ampiyacu River basin, Peru (Fisch-Muller, 2003).

Chaetostoma sovichthys Schultz, 1944

Chaetostoma anomala sovichthys Schultz, 1944c: 292, pl. 8 (fig. b). Type locality: near the bridge over the Río San Pedro, a tributary of the Río Motatán, southeast of Mene Grande, in the Maracaibo basin; Venezuela. Holotype: USNM 121053.

Distribution: Lake Maracaibo, Motatán River and tributaries, Venezuela (Fisch-Muller, 2003); Catatumbo River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Chaetostoma stannii, 1874

Chaetostomus Stannii Lütken, 1874a: 206. Type locality: Puerto Cabello [Venezuela]. Holotype: ZMUC P 30169, illustrated in Steindachner (1881c: 120, pl. 5 fig. 4, 4a).

Distribution: Caribbean coastal drainages of Venezuela: Aroa, Tocuyo, Urama and Yaracuy River basins (Fisch-Muller, 2003).

Chaetostoma tachiraense Schultz, 1944

Chaetostoma tachiraensis Schultz, 1944c: 288, pl. 7 (fig. c). Type locality: Río Táchira, 7 km. north of San Antonio, Estado de Táchira, Venezuela; the Río Táchira is a tributary of the Río Zulia, Catatumbo system, Maracaibo basin. Holotype: USNM 121052.

Distribution: Catatumbo River basin in the Lake Maracaibo drainage (up to altitudes between 1,000 and 2,000 m above sea level), Colombia and Venezuela (Fisch-Muller, 2003).

Chaetostoma taczanowskii Steindachner, 1882

Chaetostomus Taczanowskii Steindachner, 1882b: 177. Type locality: Rio de Tortora [Peru]. Species illustrated and described in more detail in Steindachner (1882c: 23, pl. 5, figs. 2, 2a). Lectotype: NMW 47219 (9 cm); designated by Isbrücker (1980: 64).

Distribution: Huallaga and Urubamba River basins, Peru (Fisch-Muller, 2003).

Remarks: Isbrücker (1980: 64) interpreted original description to be based on a single specimen, which he concluded must be the holotype. The later description (Steindachner, 1882c: 23, pl. 5, figs. 2, 2a) indicated that more than two specimens were examined, which requires that the examined specimens be considered as syntypes. However, since there was no clear indication of multiple specimens in the original description, Isbrücker's (1980: 64) interpretation of the 9 cm specimen as the holotype became a de facto lectotype designation. Type locality interpreted by Fisch-Muller (2003) as: Amazon: Upper rio Huambo basin, Río de la Tortora, 06°26' S 77°18' W. Redescribed in Eigenmann & Allen (1942: 192).

Chaetostoma thomsoni Regan, 1904

Chaetostomus thomsoni Regan, 1904b: 250, pl. 14 (fig. 2). Type locality: Villeta [Magdalena basin], Colombia. Syntypes: BMNH 1902.5.15.28–30 (3).

Distribution: Magdalena River basin, Colombia (Fisch-Muller, 2003, Maldonado-Ocampo *et al.*, 2005).

Chaetostoma vagum Fowler, 1943

Chaetostomus vagus Fowler, 1943a: 258, figs. 52–55. Type locality: Florencia, Rio Ortegusa, Colombia. Holotype: ANSP 70521.

Distribution: Ortegusa River basin, upper Japurá River drainage, Colombia (Fisch-Muller, 2003).

Chaetostoma vasquezzi Lasso & Provenzano, 1998

Chaetostoma vasquezzi Lasso & Provenzano, 1998: 55, fig. 1b. Type locality: Raudales del Caño El Cambur, afluyente del Río Caura, 20 km al suroeste del puente del mismo río, Estado Bolívar, Venezuela. Holotype: MHNLS 8791.

Distribution: Orinoco, Caura and Caroni River basins, Venezuela (Fisch-Muller, 2003).

Chaetostoma venezuelae (Schultz, 1944)

Corymbophanes venezuelae Schultz, 1944d: 41, pl. 1 (fig. 1). Type locality: Río Caripe, Caripito, Venezuela. Holotype: USNM 120752.

Distribution: San Juan River basin, Venezuela (Fisch-Muller, 2003).

Chaetostoma yurubiense Ceas & Page, 1996

Chaetostoma yurubiense Ceas & Page, 1996: 672, fig. 2 (top). Type locality: Río Mayorica (Río Yaracuy system) at Hwy 3, 9 km N Albarico near the town of Mayorica, State of Lara, Venezuela (10°25'43"N, 68°40'47"W). Holotype: INHS 34942.

Distribution: Yaracuy, Urama and Aroa River basins, Venezuela (Fisch-Muller, 2003).

CORDYLANCISTRUS Isbrücker, 1980

Cordylancistrus Isbrücker, 1980: 48. Type species: *Pseudancistrus torbesensis* Schultz, 1944. Type by original designation. Gender: Masculine.

Monophyly: Schaefer (1986: 103).

Cordylancistrus daguae (Eigenmann, 1912)

Hemiancistrus daguae Eigenmann, 1912a: 11. Type locality: Caldas, Colombia. Holotype: FMNH 56052, illustrated in Eigenmann (1922b: 78, pl. 12, figs. 1–2).

Distribution: Dagua River basin, Colombia (Fisch-Muller, 2003).

Cordylancistrus perijae Pérez & Provenzano, 1996

Cordylancistrus perijae Pérez & Provenzano, 1996: 29, fig. 2 (top). Type locality: Venezuela, Zulia State, Maracaibo basin, Sierra de Perijá, Caño Colorado, tributary to the Palmar River, 100 meters from dam site (under construction), approx. 10°37'12"N 72°25'34"W; elevation 150 m. Holotype: MBLUZ 4413.

Distribution: Palmar and Socuy River basins, Lake Maracaibo drainage, Venezuela (Fisch-Muller, 2003).

Cordylancistrus platycephalus (Boulenger, 1898)

Chaetostomus platycephalus Boulenger, 1898c: 12. Type locality: Rio Bomboiza [Zamora basin], Equateur oriental.

Syntypes: BMNH 1898.11.4.42 (1), MZUT 1551 (1).

Distribution: Zamora River basin in upper Marañon River drainage, Ecuador (Fisch-Muller, 2003).

Cordylancistrus platyrhynchus (Fowler, 1943)

Hemiancistrus platyrhynchus Fowler, 1943a: 252, figs. 36–39. Type locality: Florencia, Colombia. Holotype: ANSP 70512.

Distribution: Upper Caquetá River basin, upper Japurá River drainage, Colombia (Fisch-Muller, 2003).

Cordylancistrus torbesensis (Schultz, 1944)

Pseudancistrus torbesensis Schultz, 1944c: 296, pl. 8 (fig. c). Type locality: 1 km. above Táriba in the Río Torbes [Apuré River basin], Orinoco system, Venezuela. Holotype: USNM 121001.

Distribution: Torbes River basin in Apuré River drainage, Venezuela (Fisch-Muller, 2003).

CORUMBATAIA Britski, 1997

Corumbataia Britski, 1997: 231. Type species: *Corumbataia cuestae* Britski, 1997. Type by original designation.

Gender: Feminine.

Corumbataia cuestae Britski, 1997

Corumbataia cuestae Britski, 1997: 234, fig. 3. Type locality: Cachoeira de Analândia, rio Corumbataí, Analândia, SP [Brazil]. Holotype: MZUSP 51222.

Distribution: Tietê River basin, Brazil (Schaefer, 2003c).

Corumbataia tocaninensis Britski, 1997

Corumbataia tocaninensis Britski, 1997: 237, fig. 4. Type locality: rio Vermelho, Goiás, GO [Brazil]. Holotype: MZUSP 51223.

Distribution: Araguaia and Tocantins River basins, Brazil (Schaefer, 2003c).

CORYMBOPHANES Eigenmann, 1909

Corymbophanes Eigenmann, 1909a: 5. Type species: *Corymbophanes andersoni* Eigenmann, 1909. Type by monotypy. Gender: Masculine.

Revision: Armbruster *et al.* (2000).

Corymbophanes andersoni Eigenmann, 1909

Corymbophanes andersoni Eigenmann, 1909a: 5. Type locality: Aruataima Falls, Upper Potaro River, British Guiana. Holotype: FMNH 52675, illustrated in Eigenmann (1912b: pl. 27, fig.1).

Distribution: Essequibo River drainage, upper Potaro River, upstream Kaieteur Falls, Guyana (Weber, 2003).

Corymbophanes kaiei Armbruster & Sabaj, 2000

Corymbophanes kaiei Armbruster & Sabaj, in Armbruster *et al.*, 2000: 1002, fig. 3 (middle). Type locality: Guyana, Potaro-Siparuni Region, Oung Creek (Chenapou River-Potaro River Drainage) about one hour hike southwest of coordinates 04°58'26"N, 59°34'41"W (mouth of Chenapou River). Holotype: UG/CSBD F644.

Distribution: Essequibo river drainage, upper Potaro River basin, Guyana (Weber, 2003).

CROSSOLORICARIA Isbrücker, 1979

Crossoloricaria Isbrücker, 1979a: 90. Type species: *Loricaria variegata* Steindachner, 1879. Type by original designation. Gender: Feminine.

Crossoloricaria bahuaja Chang & Castro, 1999

Crossoloricaria bahuaja Chang & Castro, 1999: 83, fig. 1. Type locality: Peru, Departamento Madre de Dios, Provincia Tambopata, Río Tambopata, 12°47'05"S, 69°18'55"W. Holotype: MUSM 9916.

Distribution: Madre de Dios River basin in Peru, Grande River in Bolivia and Manuripe River in Pando (Chang & Castro, 1999).

Crossoloricaria cephalaspis Isbrücker, 1979

Crossoloricaria cephalaspis Isbrücker, 1979a: 102, fig. 18. Type locality: Colombie, Río Magdalena. Holotype: BMNH 1947.7.1.228.

Distribution: Magdalena River basin, Colombia (Isbrücker, 1979).

Crossoloricaria rhami Isbrücker & Nijssen, 1983

Crossoloricaria rhami Isbrücker & Nijssen, 1983b: 9, fig. 1. Type locality: Pérou, Dept. Ucayali, Prov. Coronel Portillo, Bassin du Rio Aguaytia, Rio Huacamayo (ca. 9°S, 75°29'O) près de la route de Pucallpa à Tingo Maria (Carretera Federico Badadre), à environ 8 km au N. E. du village Aguaytia. Holotype: ZMA 116391.

Distribution: Upper Amazon River basin (Isbrücker & Nijssen, 1983).

Crossoloricaria variegata (Steindachner, 1879)

Loricaria variegata Steindachner, 1879b: 151. Type locality: Mamoni (Mamoni-Flusses, bei Chepo in Isthmus von Panama). Holotype: NMW 45138. Species illustrated and described in more detail in Steindachner (1879f: 165, pl. 3).

Distribution: Mamoni, Tuirá and Yape River basins in Panama; San Juan and Sinu River basins in Colombia (Ferraris, 2003c).

Crossoloricaria venezuelae (Schultz, 1944)

Loricaria variegata venezuelae Schultz, 1944c: 329, pl. 12 (fig. C). Type locality: Río Palmar at the bridge about 70 km southwest of Maracaibo [Venezuela]. Holotype: USNM 121108.

Distribution: Lake Maracaibo drainage (Schultz, 1944); also Magdalena River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

CTENILORICARIA Isbrücker & Nijssen, 1979

Cteniloricaria Isbrücker & Nijssen, in Isbrücker, 1979a: 91. Type species: *Loricaria platystoma* Günther, 1868. Type by original designation. Gender: Feminine.

Cteniloricaria fowleri (Pellegrin, 1908)

Oxyloricaria Fowleri Pellegrin, 1908: 126. Type locality: Rivière Camopi (Guyane française). Holotype: MNHN 1901-0372.

Distribution: Oyapock River basin, Brazil and French Guiana (le Bail *et al.*, 2000).

Remarks: Species redescribed in le Bail *et al.* (2000).

Cteniloricaria maculata (Boeseman, 1971)

Parasturisma maculata Boeseman, 1971: 33, pl. 5. Type locality: Sipaliwini, near airstrip, upper Corantijn River basin, Surinam. Holotype: RMNH 26381.

Distribution: Maroni and Corantijn River basins (le Bail *et al.*, 2000).

Remarks: Species redescribed in le Bail *et al.* (2000).

Cteniloricaria platystoma (Günther, 1868)

Loricaria platystoma Günther, 1868a: 478. Type locality: Surinam. Lectotype: BMNH 1866.8.14.124, designated by Isbrücker (1979a: 113). Illustrated and described in more detail in Günther (1868b: 236, fig. 4).

Distribution: Suriname.

DASYLORICARIA Isbrücker & Nijssen, 1979

Dasylicaria Isbrücker & Nijssen, in Isbrücker, 1979a: 90. Type species: *Loricaria filamentosa* Steindachner, 1878. Type by original designation. Gender: Feminine.

Dasylicaria capetensis (Meek & Hildebrand, 1913)

Loricaria capetensis Meek & Hildebrand, 1913: 80. Type locality: Río Capetí, Río Tuyra basin, Panama. Holotype: FMNH 7582.

Distribution: Tuirá River basin, Panama (Ferraris, 2003c).

Dasylicaria filamentosa (Steindachner, 1878)

Loricaria filamentosa Steindachner, 1878a: 90. Type locality: Magdalenen-Stromes [Colombia]. Lectotype: NMW 44874, designated by Isbrücker (1979a: 113). Illustrated and described in more detail in Steindachner (1879d: 45, pl. 9).

Distribution: Magdalena River basin and Catatumbo River, Colombia (Maldonado-Ocampo *et al.*, 2005).

Dasylicaria latiura (Eigenmann & Vance, 1912)

Loricaria filamentosa latiura Eigenmann & Vance, in Eigenmann, 1912a: 13. Type locality: Boca de Certegai, Colombia. Syntypes (12): originally CM 3806 and IU 12695, now FMNH 55115 (7), USNM 79219 (1), plus 4 additional specimens (whereabouts unknown).

Distribution: Tuirá River basin, Panama, and Atrato River basin, Colombia (Ferraris, 2003c).

Dasylicaria seminuda (Eigenmann & Vance, 1912)

Loricaria filamentosa seminuda Eigenmann & Vance, in Eigenmann, 1912a: 13. Type locality: Colombia, Girardot.

Holotype: FMNH 55117; holotype illustrated in Eigenmann (1922b: 91, pl. 14, figs. 1, 2).

Distribution: Magdalena River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Dasylicaria tuyrensis (Meek & Hildebrand, 1913)

Loricaria tuyrensis Meek & Hildebrand, 1913: 81. Type locality: Rio Tuyra, Boca de Cupe, Panama. Holotype: FMNH 7583.

Distribution: Tuirá River basin, Panama (Ferraris, 2003c).

DEKEYSERIA Rapp Py-Daniel, 1985

Dekeyseria Rapp Py-Daniel, 1985: 178. Type species: *Dekeyseria amazonica* Rapp Py-Daniel, 1985. Type by original designation. Gender: Feminine.

Zonancistrus Isbrücker in Isbrücker *et al.*, 2001: 23. Type species: *Ancistrus brachyurus* Kner, 1854. Type by original designation. Gender: Masculine.

Remarks: The recently proposed genus *Zonancistrus* Isbrücker was considered by Fisch-Muller (2003) to be invalid.

Dekeyseria amazonica Rapp Py-Daniel, 1985

Dekeyseria amazonica Rapp Py-Daniel, 1985: 180, fig. 2. Type locality: Complexo do Janauacá, Rio Solimões, Amazonas, Brasil. Holotype: INPA 104.4.

Distribution: Amazon River basin, primarily above Manaus, Brazil (Fisch-Muller, 2003).

Dekeyseria brachyura (Kner, 1854)

Ancistrus brachyurus Kner, 1854: 279, pl. 4 (fig. 1). Type locality: Barra do Rio negro [=Manaus, Brazil]. Holotype: NMW 47268. Originally as *Anc. brachyurus*.

Distribution: Lower Negro River basin, Brazil (Fisch-Muller, 2003).

Dekeyseria niveata (La Monte, 1929)

Plecostomus niveatus La Monte, 1929: 3, fig. 2. Type locality: Caño Pescado; about five miles north of Esmeralda, at an elevation of 325 feet, Upper Orinoco drainage, Venezuela. Holotype: AMNH 9601.

Distribution: Upper Orinoco River basin, Venezuela (Fisch-Muller, 2003).

Dekeyseria picta (Kner, 1854)

Ancistrus pictus Kner, 1854: 277, pl. 4 (fig. 2). Type locality: Barra do Rio negro [=Manaus, Brazil]. Syntypes: NMW 47200 (2), NMW 47201 (1), NMW 47202 (1). Originally as *Anc. pictus*.

Distribution: Lower Negro River basin, Brazil (Fisch-Muller, 2003).

Dekeyseria pulchra (Steindachner, 1915)

Aneistrus (Hemiancistrus) pulcher Steindachner, 1915b: 219. Type locality: Rio Negro bei Moura [Brazil]. Holotype: at NMW. Described in more detail and illustrated in Steindachner (1915e: 89, pl. 11, figs. 1, 2). Generic name clearly a misspelling of *Ancistrus*.

Distribution: Upper Negro and Orinoco rivers and Canal Casiquiare basin, Brazil, Colombia, Venezuela (Fisch-Muller, 2003).

Dekeyseria scaphirhyncha (Kner, 1854)

Ancistrus scaphirhynchus Kner, 1854: 280, pl. 3 (fig. 2). Type locality: Barra do Rio negro [Manaus, Brazil]. Syntypes (4): NMW 47207–10. Originally as *Anc. scaphirhynchus*.

Distribution: Negro River basin, Brazil (Fisch-Muller, 2003).

Remarks: Redescribed by Rapp Py-Daniel (1985: 181, figs.).

DELTURUS Eigenmann & Eigenmann, 1889

Delturus Eigenmann & Eigenmann, 1889b: 45. Type species: *Delturus parahybae* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

Carinotus La Monte, 1933a: 1. Type species: *Plecostomus (Carinotus) carinotus* La Monte, 1933. Type by original designation. Gender: Masculine.

Delturus angulicauda (Steindachner, 1877)

Plecostomus angulicauda Steindachner, 1877b: 672, pl. 12. Type locality: Rio Mucuri bei Santa Clara; Rio Parahyba. Syntypes: NMW 44069–70 (only 2 found).

Distribution: Mucuri River basin, Brazil (Weber, 2003).

Delturus carinotus (La Monte, 1933)

Plecostomus (Carinotus) carinotus La Monte, 1933a: 2, fig. 1(a). Type locality: Rio Doce, Estado do Espirito Santo, eastern Brazil. Holotype: AMNH 11911.

Distribution: Doce River basin, Brazil.

Delturus parahybae Eigenmann & Eigenmann, 1889

Delturus parahybae Eigenmann & Eigenmann, 1889b: 45. Type locality: Parahyba [Brazil]. Syntypes (2, 28 cm): MCZ 7726 (2).

Distribution: Paraíba do Sul River basin, Brazil (Weber, 2003).

DENTECTUS Martín Salazar, Isbrücker & Nijssen, 1982

Dentectus Martín Salazar, Isbrücker & Nijssen, 1982: 127. Type species: *Dentectus barbarmatus* Martín Salazar, Isbrücker & Nijssen, 1982. Type by original designation. Gender: Masculine.

Dentectus barbarmatus Martín Salazar, Isbrücker & Nijssen, 1982

Dentectus barbarmatus Martín Salazar, Isbrücker & Nijssen, 1982: 130, fig. 3. Type locality: Venezuela, Estado Cojedes, Río Salinas, a tributary of the Río Pao Viejo, N.E. of El Baul (9°13'N, 68°07'W). Holotype: MBUCV V-12780.

Distribution: Western Orinoco River basin, Venezuela (Martín Salazar, Isbrücker & Nijssen, 1982).

DOLICHANCISTRUS Isbrücker, 1980

Dolichancistrus Isbrücker, 1980: 47. Type species: *Pseudancistrus pediculatus* Eigenmann, 1918. Type by original designation. Gender: Masculine.

Monophyly: Schaefer (1986: 103).

Dolichancistrus atratoensis (Dahl, 1960)

Pseudancistrus atratoensis Dahl, 1960a: 455, fig. on p. 456. Type locality: Quebrada La Noche, tributary to the upper Atrato, approximate height above sea level 550 m; western Colombia. Holotype: ICNMHN 51.

Distribution: Upper Atrato River basin, Colombia (Fisch-Muller, 2003).

Dolichancistrus carnegiei (Eigenmann, 1916)

Pseudancistrus carnegiei Eigenmann, 1916: 85. Type locality: Rio San Gil, Santander, Colombia. Holotype: FMNH 58350, illustrated in Eigenmann (1922b: 79, pl. 10, fig. 3).

Distribution: Magdalena River basin, Colombia (Fisch-Muller, 2003).

Dolichancistrus cobrensis (Schultz, 1944)

Pseudancistrus pediculatus cobrensis Schultz, 1944c: 299, pl. 9 (fig. B). Type locality: Río Cobre, tributary to Río Quinta, latter tributary to Río La Grita, below La Grita, Catatumbo system, Maracaibo basin, Venezuela. Holotype: USNM 121036.

Distribution: Catatumbo River basin, Lake Maracaibo drainage, Venezuela (Fisch-Muller, 2003).

Dolichancistrus fuesslii (Steindachner, 1911)

Ancistrus füsslii Steindachner, 1911b: 373. Type locality: Sosomoco, Ostkolumbien, in 800 m Höhe. Holotype: NMW 48026.

Distribution: Western Colombia; known only from the holotype (Fisch-Muller, 2003).

Dolichancistrus pediculatus (Eigenmann, 1918)

Pseudancistrus pediculatus Eigenmann, 1918b: 679. Type locality: Río Negro at Villavicencio, Colombia. Holotype: FMNH 58352; holotype illustrated in Eigenmann (1922b: 78, 224, fig. 17; pl. 10, fig. 4)

Distribution: Upper Meta River basin, Colombia (Fisch-Muller, 2003); Catatumbo River basin (Maldonado-Ocampo *et al.*, 2005).

Dolichancistrus setosus (Boulenger, 1887)

Chaetostomus setosus Boulenger, 1887b: 349. Type locality: Andes of Columbia. Syntypes: BMNH 1880.2.26.9–10 (2). Redescription of syntypes in Regan (1904b: 239, pl. 12, fig. 2).

Distribution: Andes of Colombia (Fisch-Muller, 2003).

EPACTIONOTUS Reis & Schaefer, 1998

Epactionotus Reis & Schaefer, 1998: 4. Type species: *Epactionotus bilineatus* Reis & Schaefer, 1998. Type by original designation. Gender: Masculine.

Epactionotus aky Azpelicueta, Casciotta, Almirón & Körber, 2004

Epactionotus aky Azpelicueta, Casciotta, Almirón & Körber, 2004: 82, figs. 1–2. Type locality: Argentina, Misiones, Río Uruguay basin, Arroyo Garibaldi (26°38'46.1"S, 53°59'55"W). Holotype: AI 124.

Distribution: Yabotí-Guazú basin, Uruguay River system, Misiones, Argentina (Azpelicueta *et al.*, 2004).

Epactionotus bilineatus Reis & Schaefer, 1998

Epactionotus bilineatus Reis & Schaefer, 1998: 5, fig. 3. Type locality: Mouth of arroio do Ouro, which flows into rio Maquiné, between Barra do Ouro and Maquiné, 29°35'S, 50°17'W, Rio Grande do Sul State, Brazil. Holotype: MCP 20279.

Distribution: Maquiné and Três Forquilhas River basins, Brazil (Schaefer, 2003c).

Epactionotus gracilis Reis & Schaefer, 1998

Epactionotus gracilis Reis & Schaefer, 1998: 12, fig. 6. Type locality: Rio Jordão at Jordão Alto, 28°36'S, 49°29'W, Nova Veneza, Santa Catarina State, Brazil. Holotype: MCP 20282.

Distribution: Araranguá River basin, Brazil (Schaefer, 2003c).

Epactionotus itaimbezinho Reis & Schaefer, 1998

Epactionotus itaimbezinho Reis & Schaefer, 1998: 9, fig. 5. Type locality: Rio Canoas, tributary of rio Mampituba, ca. 8 km from Praia Grande in the direction of Mãe dos Homens, 29°14'S, 50°01'W, Rio Grande do Sul, Brazil. Holotype: MCP 20281.

Distribution: Mampituba River basin, Brazil (Schaefer, 2003c).

Epactionotus yasi Almirón, Azpelicueta & Casciotta, 2004

Epactionotus yasi Almirón, Azpelicueta & Casciotta, 2004: 138, figs. 1–3. Type locality: Argentina, province of Misiones, río Iguazú basin, arroyo Lobo (25°42'57"S, 54°05'59"W). Holotype: MACN-ict 8649.

Distribution: Iguazu River basin (Almirón, Azpelicueta & Casciotta, 2004).

EURYCHEILICHTHYS Reis & Schaefer, 1993

Eurycheilus Reis & Schaefer, 1992: 216. Type species: *Eurycheilus pantherinus* Reis & Schaefer, 1992. Type by monotypy. Gender: Masculine. Preoccupied by *Eurycheilus* Septfontaine, 1970, in fossil cephalopods; replaced by *Eurycheilichthys* Reis & Schaefer, 1993.

Eurycheilichthys Reis & Schaefer, 1993: 894. Type species: *Eurycheilus pantherinus* Reis & Schaefer, 1992. Type by being a replacement name. Gender: Masculine. Replacement for *Eurycheilus* Reis & Schaefer, 1992; preoccupied by *Eurycheilus* Septfontaine, 1970, in fossil cephalopods.

Eurycheilichthys limulus Reis & Schaefer, 1998

Eurycheilichthys limulus Reis & Schaefer, 1998: 15, fig. 7. Type locality: Rio Jacuí on road RS-010, between Marau and Passo Fundo, 28°18'S, 52°18'W, Rio Grande do Sul State, Brazil. Holotype: MCP 20283.

Distribution: Upper Jacuí River basin, Brazil (Schaefer, 2003c).

Eurycheilichthys pantherinus (Reis & Schaefer, 1992)

Eurycheilus pantherinus Reis & Schaefer, 1992: 217, figs. 1–5. Type locality: Brazil: Rio Grande do Sul, creek tributary of rio dos Touros, at road from Silveira to Rondinha, Bom Jesus, approx. 28°42'S, 50°10'W. Holotype: MCP 13077.

Distribution: Upper and middle Uruguay River basin, Brazil (Schaefer, 2003c).

EXASTILITHOXUS Isbrücker & Nijssen, 1979

Exastilithoxus Isbrücker & Nijssen, in Isbrücker, 1979a: 91. Type species: *Pseudacanthicus fimbriatus* Steindachner, 1915. Type by original designation. Gender: Masculine.

Monophyly: Schaefer (1986: 103).

Review: Isbrücker & Nijssen (1985).

Exastilithoxus fimbriatus (Steindachner, 1915)

Pseudocanthicus (Lithoxus) fimbriatus Steindachner, 1915a: 201. Type locality: Coquenanfluss [=Kukenan River, also Cuquenan, Caroni basin, Venezuela]. Holotype: NMW 44418. Species illustrated and described in more detail in Steindachner (1915e: 92, pl. 10, figs. 1–3) with name as *Pseudacanthicus (Lithoxus) fimbriatus*. Holotype illustrated in Isbrücker & Nijssen (1985).

Distribution: Caroni and Matacuni River basins, Orinoco drainage, Venezuela (Fisch-Muller, 2003).

Exastilithoxus hoedemani Isbrücker & Nijssen, 1985

Exastilithoxus hoedemani Isbrücker & Nijssen, 1985: 227, fig. 3 (middle). Type locality: Brazil, Est. Amazonas, Rio Marauíá, foot of the Sierra Neblina, Cachoeira “Pora Comeschie”, Rio Negro basin. Holotype: INPA 506.

Distribution: Maurauíá River in the upper Negro River drainage, Brazil (Fisch-Muller, 2003).

FARLOWELLA Eigenmann & Eigenmann, 1889

Acestra Kner, 1853a: 29. Type species: *Acestra acus* Kner, 1853. Type by subsequent designation by Bleeker (1862–63: 4). Gender: Feminine. Preoccupied by *Acestra* Bonaparte, 1846 in fishes and by Dallas, 1852 in Hemiptera; replaced by *Farlowella* Eigenmann & Eigenmann, 1889.

Farlowella Eigenmann & Eigenmann, 1889b: 32. Type species: *Acestra acus* Kner, 1853. Type by being a replacement name. Gender: Feminine. Replacement for *Acestra* Kner, 1853.

Revision: Retzer & Page (1997).

Farlowella acus (Kner, 1853)

Acestra acus Kner, 1853a: 13, 29, pl. 8 (fig. 1). Type locality: Caracas [Venezuela]. Holotype: NMW 47795.

Loricaria scolopacina De Filippi, 1853: 166. Type locality: in rivis prov. Venezuelae, Caracas. Holotype: MZUT 22.

Distribution: Lake Valencia and Torito River basins, Venezuela (Retzer & Page, 1997).

Farlowella amazona (Günther, 1864)

Acestra amazonum Günther, 1864: 261. Type locality: Santarem, River Amazons [Brazil]. Holotype: BMNH 1856.3.25.22.

Acestra gladiolus Günther, 1864: 261. Type locality: Rio Cupai [Brazil]. Lectotype: BMNH 1853.3.19.66, designated by Isbrücker (1979a: 114).

Farlowella carinata Garman in Eigenmann & Eigenmann, 1889b: 32. Type locality: Santarem, Teffé, Gurupa, Obidos, Juthay, Tabatinga [restricted to Gurupá [Brazil] by lectotype designation]. Lectotype: MCZ 9830, designated by Isbrücker (1979a: 114).

Farlowella pseudogladiolus Steindachner, 1910c: 405, figured on p. 405. Type locality: Amazonenstromes ohne nähere Angabe des Fundortes, wahrscheinlich aus dem Rio negro. Holotype: NMW 46498.

Farlowella paranaënsis Meinken, 1937: 78. Type locality: mittleren Paraná -gebiete [Argentina]. Holotype: lost (Eschmeyer *et al.*, 1998).

Farlowella pleurotaenia Miranda Ribeiro, A., 1939: 360. Type locality: Pará [Brazil]. Holotype: MNRJ 758.

Farlowella oliveirae Miranda Ribeiro, A., 1939: 359. Type locality: Pará [Brazil]. Holotype: MNRJ 757.

Distribution: Amazon, Tocantins, and La Plata River basins (Retzer & Page, 1997).

Remarks: Van der Stigchel (1946: 185) tentatively placed *Farlowella gladiolus* as a synonym of *Farlowella amazonum*, thereby acting as first reviser and making *F. amazona* the valid name for this species.

Farlowella colombiensis Retzer & Page, 1997

Farlowella colombiensis Retzer & Page, 1997: 62, fig. 33. Type locality: Colombia, Meta Department, area of Guaicaramo, Río Upia drainage. Holotype: SU 23733.

Distribution: Orinoco River drainage, Meta River basin, Colombia (Retzer & Page, 1997).

Farlowella curtirostra Myers, 1942

Farlowella curtirostra Myers, 1942: 102, fig. 11. Type locality: Quebrada Tabor, tributary of the Río Motatan system, 30 km north of Trujillo, Maracaibo basin, Venezuela. Holotype: SU 36508.

Distribution: Lake Maracaibo drainage, Venezuela (Retzer & Page, 1997).

Farlowella gracilis Regan, 1904

Farlowella gracilis Regan, 1904b: 303, pl. 20 (fig. 3). Type locality: Río Caqueta, Cauca Valley, s. Colombia. Holotype: BMNH 1902.5.29.180.

- Farlowella boliviana* Steindachner, 1910c: 404. Type locality: Kolombien. Holotype: at NMW, but apparently lost, Isbrücker (1979a: 114).
Distribution: Caqueta River basin, Upper Amazon River basin, Colombia (Retzer & Page, 1997).
- Farlowella hahni*** Meinken, 1937
Farlowella hahni Meinken, 1937: 77, fig. 2. Type locality: Río Paraná, ca. 2 km east of Ayolas, 27°24'S, 56°46'W, Misiones Dept., Paraguay. Neotype: UMMZ 228132, designated by Retzer & Page (1997: 76).
Distribution: Middle Paraná River basin, Argentina and Paraguay (Retzer & Page, 1997).
- Farlowella hasemani*** Eigenmann & Vance, 1917
Farlowella hasemani Eigenmann & Vance, 1917: 301, pl. 30 (figs. 1–2). Type locality: Para [Brazil]. Holotype: FMNH 55089.
Distribution: Pará State, Brazil (Retzer & Page, 1997).
- Farlowella henriquei*** Miranda Ribeiro, 1918
Farlowella henriquei Miranda Ribeiro, 1918d: 636. Type locality: Rio Vermelho, aff. do Araguaya (Sta. Rita das Antas) [Brazil]. Holotype: MZUSP 2159 [reported as MNRJ 2159 in Retzer & Page (1997: 71)].
Distribution: Araguaia River basin, Brazil (Retzer & Page, 1997).
- Farlowella isbrueckeri*** Retzer & Page, 1997
Farlowella isbrueckeri Retzer & Page, 1997: 55, fig. 24. Type locality: Brazil, Mato Grosso State, small river on highway from Cuibá to Porto Velho, approximately 32 km from Lacerda. Holotype: MZUSP 37641.
Distribution: Upper Paraguay River basin, Brazil (Retzer & Page, 1997).
- Farlowella jauruensis*** Eigenmann & Vance, 1917
Farlowella jauruensis Eigenmann & Vance, 1917: 300, pl. 30 (fig. 3). Type locality: Jaura [Brazil]. Holotype: FMNH 55088.
Distribution: Upper Paraguay River basin, Brazil (Retzer & Page, 1997).
- Farlowella knerii*** (Steindachner, 1882)
Aestra Knerii Steindachner, 1882b: 177. Type locality: Canelos [Ecuador]. Lectotype: NMW 47796, designated by Isbrücker (1979a: 114). Illustrated and described in more detail in Steindachner (1882c: 26, pl. 7, figs. 1, 1a).
Distribution: Upper Amazon River drainage, Napo and Pastaza River basins, Ecuador (Retzer & Page, 1997).
- Farlowella mariaelenae*** Martín Salazar, 1964
Farlowella mariaelenae Martín Salazar, 1964: 246, fig. 1. Type locality: río Salinas, brazo del río Pao Viejo, al nor-este de El Baúl, brazo del río Portuguesa, Edo. Cojedes [Venezuela]. Holotype: MBUCV V-11938.
Distribution: Western Orinoco River basin and, possibly, Caribbean coastal rivers, Venezuela (Retzer & Page, 1997).
- Farlowella martini*** Fernández-Yépez, 1972
Farlowella martini Fernández-Yépez, 1972a: 22, pl. 15. Type locality: la Estación 114 del Complejo Hidrográfico (04) “Río Yaracuy” [Coastal Caribbean drainage, Venezuela]. Syntypes (2; as male and female “holotypes”): originally in personal collection of Fernández-Yépez, current whereabouts unknown.
Distribution: Caribbean coastal rivers in Venezuela (Retzer & Page, 1997).
- Farlowella nattereri*** Steindachner, 1910
Farlowella nattereri Steindachner, 1910c: 403, figured on p. 404. Type locality: Aus dem mittleren Amazonas-Gebiete ohne nähere Angabe des Fundortes, wahrscheinlich aus dem Rio negro. Holotype: NMW 46497.
Farlowella hargreavesi Eigenmann, 1912b: 252, pl. 32 (fig. 3). Type locality: British Guiana. Holotype: Museum of Georgetown (apparently lost); holotype illustrated in Eigenmann (1912b: pl. 32, fig. 3).
Farlowella azygia Eigenmann & Vance, 1917: 299, pl. 29 (figs. 1–2). Type locality: Santarem. Holotype: FMNH 55091.
Farlowella acestrichthys Pearson, 1924: 25, pl. 8 (fig. 2). Type locality: Rurrenabaque, Bolivia. Syntypes: CAS 77322 (2), UMMZ 66480 (1).
Distribution: Upper Amazon and Essequibo River basins (Retzer & Page, 1997).
- Farlowella odontotumulus*** Retzer & Page, 1997
Farlowella odontotumulus Retzer & Page, 1997: 57, fig. 28. Type locality: Ecuador, Sucumbios Province, Río Aguatico, 4.7 km north of Lago Agrío at bridge on road to El Conejo, 0°07'42"S, 76°52'42"W. Holotype: FMNH 99135.

Distribution: Aguarico River basin in Ecuador and Mavaca River basin in Venezuela (Retzer & Page, 1997).

Farlowella oxyrryncha (Kner, 1853)

Acestra oxyrryncha Kner, 1853a: 13, 31, pl. 8 (fig. 2). Type locality: Rio Mamoré – Cachoeira da Bananeira [Brazil].

Holotype: NMW 47797. Name spelled *Acestra oxyrrhyncha* in figure captions, *Acestra oxyrryncha* in text; *Acestra oxyrryncha* treated as valid following first reviser action of Isbrücker (1980: 100).

Acestra gladius Boulenger, 1898e: 425, pl. 41 (fig. 2). Type locality: Rio Jurua, an affluent of the Amazons, Brazil.

Lectotype: BMNH 1897.12.1.80, designated by Isbrücker (1979a: 114).

Distribution: Amazon and Orinoco River basins and coastal rivers of NE Brazil (Retzer & Page, 1997).

Farlowella paraguayensis Retzer & Page, 1997

Farlowella paraguayensis Retzer & Page, 1997: 78, fig. 54. Type locality: Paraguay, Canendiyu Department, Arroyo Carimbatay, 15.6 km WSW Curuguaty, 24°31'06"S, 56°43'30"W. Holotype: UMMZ 228129.

Distribution: Paraguay River basin (Retzer & Page, 1997).

Farlowella platorynchus Retzer & Page, 1997

Farlowella platorynchus Retzer & Page, 1997: 71, fig. 44. Type locality: Peru, Ucayali Department, Pucallpa, Yarinachocha, Río Ucayali drainage, 8°23'S, 74°32'W. Holotype: MHNG 2389.57.

Distribution: Upper and lower Amazon River basin (Retzer & Page, 1997).

Farlowella reticulata Boeseman, 1971

Farlowella reticulata Boeseman, 1971: 37, pl. 7 (right). Type locality: Maka Creek, left tributary of the Lawa River 10 km S of Stoelmanseiland, Marowijne River basin, Surinam. Lectotype: ZMA 106174, designated by Isbrücker (1979a: 114).

Distribution: Essequibo, Marowijne, and Oyapock River basins (Retzer & Page, 1997).

Farlowella rugosa Boeseman, 1971

Farlowella rugosa Boeseman, 1971: 40, pl. 7 (middle). Type locality: Kamaloea (or Saloea) Creek, right tributary of the Marowijne River, 9 km SE of the outlet of Gran Creek, French Guyane. Lectotype: ZMA 106208, designated by Isbrücker (1979a: 114).

Farlowella parvicarinata Boeseman, 1971: 42, pl. 7 (left). Type locality: Right tributary of the Nickerie River, 12 km WSW of Stondansie Falls, Surinam. Lectotype: ZMA 105823, designated by Isbrücker (1979a: 114).

Distribution: Essequibo, Marowijne, and Corantijn River (Retzer & Page, 1997).

Remarks: *Farlowella rugosa* treated as the valid name following first reviser action of Retzer & Page (1997: 72).

Farlowella schreitmuelleri Ahl, 1937

Farlowella schreitmuelleri Ahl, 1937b: 446. Type locality: Santarem [Brazil]: Lectotype ZMB 20956, designated by Isbrücker (1979a: 114).

Farlowella latisoma Miranda Ribeiro, A., 1939: 361. Type locality: Oriximiná, Amazonas [Brazil]. Holotype: MNRJ 761.

Distribution: Lower Amazon River basin, Brazil (Retzer & Page, 1997).

Farlowella smithi Fowler, 1913

Farlowella smithi Fowler, 1913: 574, fig. 24. Type locality: Rio Madeira, about 200 miles east of W. Long. 62°20', Brazil. Holotype: ANSP 39313.

Distribution: Middle Madeira River basin, Brazil (Retzer & Page, 1997).

Farlowella taphorni Retzer & Page, 1997

Farlowella taphorni Retzer & Page, 1997: 51, fig. 19. Type locality: Venezuela, Merida State, Río Muyapas (Río Torondoy-Lago Maracaibo drainage), 4.5 km S of Nueva Bolívai on highway 1. Holotype: INHS 60352.

Distribution: Torondoy River basin, Maracaibo Lake drainage, Venezuela (Retzer & Page, 1997).

Farlowella venezuelensis Martín Salazar, 1964

Farlowella acus venezuelensis Martín Salazar, 1964: 250. Type locality: río Colorado, de la Hoya del río Guarapiche, en San Antonio de Maturín, Monagas [Venezuela]. Lectotype: MBUCV V-26150, designated by Retzer & Page (1997: 64).

Distribution: Guarapiche River basin, lower Orinoco River basin, Venezuela (Retzer & Page, 1997).

Farlowella vittata Myers, 1942

Farlowella vittata Myers, 1942: 103, fig. 12. Type locality: tributaries of the Rio Uribanto, from San Cristobal to

Ilanos, Venezuela. Holotype: SU 36512.

Farlowella angosturae Martín Salazar, 1964: 251, fig. 3. Type locality: Caño Largo al oeste de Ciudad Bolívar, Edo. Bolívar [Venezuela]. Holotype: MBUCV V-11939.

Farlowella agustini Martín Salazar, 1964: 254, fig. 5. Type locality: Una quebrada límite entre los Estados Cojedes y Carabobo, carretera Campo Carabobo Taguanes, afluente del río Chirigua que a su vez lo es del río Pao [Venezuela]. Holotype: MBUCV V-11940.

Farlowella guaricensis Martín Salazar, 1964: 253, fig. 4. Type locality: Río Guárico, en el puente de Uverito, carretera San Juan de Los Morros a Ortiz, Guárico [Venezuela]. Holotype: MBUCV V-11941.

Farlowella roncallii Martín Salazar, 1964: 258, fig. 6. Type locality: la quebrada El Ahorcado Aguirre, afluente del Río Tirgua Carabobo [Venezuela]. Holotype: MBUCV V-11949.

Distribution: Orinoco River basin (Retzer & Page, 1997).

FONCHIIICHTHYS Isbrücker & Michels, 2001

Fonchiichthys Isbrücker & Michels, in Isbrücker *et al.*, 2001: 18. Type species: *Loricaria uracantha* Kner, 1863. Type by original designation. Gender: Masculine.

Fonchiichthys rupestris (Schultz, 1944)

Loricaria uracantha rupestre Schultz, 1944c: 325, pl. 12 (figs. a–b). Type locality: Río San Pedro at bridge south of Mene Grande, Río Motatán system, Maracaibo basin [Venezuela]. Holotype: USNM 121102.

Distribution: Rivers of the Lake Maracaibo basin, in lower and middle reaches of rivers, Venezuela (Ferraris, 2003c).

Fonchiichthys uracanthus (Kner, 1863)

Loricaria uracantha Kner, 1863: 228, fig. 18. Type locality: Rio Chagres, Nordseite von Panama. Syntypes (apparently 2): at NMW, probably lost (Isbrücker, 1979a: 112). Originally as *Lor. uracantha*. Also appeared in Kner & Steindachner (1864: 56, pl. 6, fig. 3).

Loricaria bransfordi Gill, 1877: 338. Type locality: Isthmus of Panama, Empire Station. Holotype: USNM 16673.

Distribution: Atlantic and Pacific versant rivers of Costa Rica and Panama (Bussing, 1998).

Remarks: Diagnosis and ecological notes in Bussing (1998: 163), as *Rineloricaria uracantha*.

FURCODONTICHTHYS Rapp Py-Daniel, 1981

Furcodontichthys Rapp Py-Daniel, 1981: 2. Type species: *Furcodontichthys novaesi* Rapp Py-Daniel, 1981. Type by original designation. Gender: Masculine.

Furcodontichthys novaesi Rapp Py-Daniel, 1981

Furcodontichthys novaesi Rapp Py-Daniel, 1981: 4, figs. 1–6. Type locality: rio Solimões, lago Tefé, Caititu, Amazonas, Brasil. Holotype: INPA T.79-014.

Distribution: Solimões River basin, Brazil (Rapp Py-Daniel, 1981).

HARTTIA Steindachner, 1877

Harttia Steindachner, 1877b: 668. Type species: *Harttia loricariformis* Steindachner, 1877. Type by monotypy. Gender: Feminine.

Quiritixys Isbrücker, in Isbrücker *et al.*, 2001: 21. Type species: *Harttia leiopleura* Oyakawa, 1993. Type by original designation. Gender: Feminine.

Harttia carvalhoi Miranda Ribeiro, 1939

Harttia carvalhoi Miranda Ribeiro, P., 1939a: 11, pl. 2 (upper). Type locality: Rio Paquequer, Estado do Rio de Janeiro [Brazil]. Syntypes: MNRJ 1038 (11).

Distribution: Paquequer River basin in Paraíba do Sul River drainage, Brazil.

Harttia depressa Rapp Py-Daniel & Oliveira, 2001

Harttia depressa Rapp Py-Daniel & Oliveira, 2001: 87, fig. 5. Type locality: Brazil: Amazonas, rio Pitinga, rio Uatumã basin, below the Parapanema Enterprise dam, Cachoeira 40 Ilhas (59°34'24"W, 0°53'20"S). Holotype: INPA 3901.

Distribution: Uatumã River basin, Brazil (Rapp Py-Daniel & Oliveira, 2001).

Harttia dissidens Rapp Py-Daniel & Oliveira, 2001

Harttia dissidens Rapp Py-Daniel & Oliveira, 2001: 91, fig. 8. Type locality: Brazil: Pará: rio Tapajós, Pimental (56°15'16"W, 4°35'22"S). Holotype: INPA 7739.

Distribution: Tapajós River basin, Brazil (Rapp Py-Daniel & Oliveira, 2001).

Harttia duriventris Rapp Py-Daniel & Oliveira, 2001

Harttia duriventris Rapp Py-Daniel & Oliveira, 2001: 84, fig. 3. Type locality: Brazil: Pará: rio Tocantins, Igarapé Bacuri (49°30'32"W, 4°29'44"S). Holotype: INPA 2833.

Distribution: Tocantins River basin, above Tucuruí dam, Brazil (Rapp Py-Daniel & Oliveira, 2001).

Harttia garavelloi Oyakawa, 1993

Harttia garavelloi Oyakawa, 1993: 13, fig. 4. Type locality: Rio Fanado, ponte de cidade de Minas Novas, 17°15'S, 42°35'W, MG [Brazil]. Holotype: MZUSP 43266.

Distribution: Fanado and Araçuaí River basins, Brazil (Oyakawa, 1993).

Harttia gracilis Oyakawa, 1993

Harttia gracilis Oyakawa, 1993: 16, fig. 5. Type locality: Riacho afluente dos rio São João município de Fortaleza de Minas, próximo à estrada de ferro Minas-Perobas, 20°58'S, 46°47'W, MG [Brazil]. Holotype: MZUSP 43267.

Distribution: São João and upper Paraná River basin, Brazil (Oyakawa, 1993).

Harttia guianensis Rapp Py-Daniel & Oliveira, 2001

Harttia guianensis Rapp Py-Daniel & Oliveira, 2001: 88, fig. 6. Type locality: French Guiana: Approuague River, Saut Athanase (52°1'W, 4°11'N). Holotype: MNHN 1998-0395.

Distribution: Sinnamary and Approuague River basins (Rapp Py-Daniel & Oliveira, 2001).

Harttia kronei Miranda Ribeiro, 1908

Harttia kronei Miranda Ribeiro, 1908b: [2], figs. 3–3a. Type locality: Rio Bethary [Brazil]. Lectotype: MNRJ 713A, designated by Miranda Ribeiro (1953: 400).

Distribution: Ribeira de Iguape River basin, Brazil.

Harttia leiopleura Oyakawa, 1993

Harttia leiopleura Oyakawa, 1993: 5, fig. 1. Type locality: Riacho afluente do Córrego Mutuca, à direita da estrada Belo Horizonte Nova Lima, km 20, 20°60'S, 43°55'W, bacia do rio das Velhas MG [Brazil]. Holotype: MZUSP 43264.

Distribution: Das Velhas River basin, Brazil (Oyakawa, 1993).

Harttia longipinna Langeani, Oyakawa & Montoya-Burgos, 2001

Harttia longipinna Langeani, Oyakawa & Montoya-Burgos, 2001: 137, fig. 1. Type locality: Brazil: Minas Gerais State: rio Pará, bridge on road BR 262 between Nova Serrana and Pará de Minas, approximately 19°53'S, 44°52'W. Holotype: MZUSP 54579.

Distribution: Upper São Francisco River basin, Brazil (Langeani, Oyakawa & Montoya-Burgos, 2001).

Harttia loricariformis Steindachner, 1877

Harttia loricariformis Steindachner, 1877b: 669, pl. 6 (figs. 2, 2a–b). Type locality: Oberer Lafu des Rio Parahyba und dessen Nebenflüsse. Lectotype: NMW 46346, designated by Isbrücker (1979a: 113).

Distribution: Paraíba do Sul River basin, Brazil.

Harttia merevari Provenzano, Machado-Allison, Chernoff, Willink & Petry, 2005

Harttia merevari Provenzano, Machado-Allison, Chernoff, Willink & Petry, 2005: 520, figs. 1–2. Type locality: Venezuela, Bolívar State, Caura River at the top of Salto Pará waterfalls, among rocks on the eastern side of the river. Holotype: MBUCV V-26578.

Distribution: Upper Caura River, Orinoco River basin, Venezuela (Provenzano, *et al.*, 2005).

Harttia novalimensis Oyakawa, 1993

Harttia novalimensis Oyakawa, 1993: 8, fig. 2. Type locality: Riacho afluente do Córrego Mutuca, à direita da estrada Belo Horizonte Nova Lima, km 20, 20°60'S, 43°55'W, bacia do rio das Velhas, MG [Brazil]. Holotype: MZUSP 43262.

Distribution: Das Velhas River basin, Brazil (Oyakawa, 1993).

Harttia punctata Rapp Py-Daniel & Oliveira, 2001

Harttia punctata Rapp Py-Daniel & Oliveira, 2001: 82, fig. 2. Type locality: Brazil: Pará: rio Tocantins, on rocks

just below the Tucurui dam (49°38'10"W, 3°49'43"S). Holotype: INPA 4714.

Distribution: Upper and middle Tocantins River basin, Brazil (Rapp Py-Daniel & Oliveira, 2001).

Harttia rhombocephala Miranda Ribeiro, 1939

Harttia rhombocephala Miranda Ribeiro, P., 1939a: 11, pl. 2 (lower). Type locality: Rio Farias [Brazil]. Holotype: MNRJ 712.

Distribution: Farias River basin, Brazil (Miranda Ribeiro, P., 1939a).

Harttia surinamensis Boeseman, 1971

Harttia surinamensis Boeseman, 1971: 28, pl. 3. Type locality: Grandam, Gran Rio, upper Suriname River, Surinam. Holotype: RMNH 26388 (188 mm specimen, holotype may not have been separated from paratypes).

Distribution: Coastal rivers from Suriname River east to Approuague River, French Guiana (le Bail *et al.*, 2000).

Remarks: Species redescribed by le Bail *et al.* (2000).

Harttia torrenticola Oyakawa, 1993

Harttia torrenticola Oyakawa, 1993: 10, fig. 3. Type locality: Riacho afluyente do rio Paraopebá, Água Limpa, município de Noeda, 3 km da BR 040, acima das cachoeiras, 44°02'W, 20°20'S, bacia do rio São Francisco, MG [Brazil]. Holotype: MZUSP 43283.

Distribution: Upper São Francisco River basin, Brazil (Oyakawa, 1993).

Harttia trombetensis Rapp Py-Daniel & Oliveira, 2001

Harttia trombetensis Rapp Py-Daniel & Oliveira, 2001: 89, fig. 7. Type locality: Brazil: Pará: rio Trombetas, Cachoeira Vira-Mundo (57°03'38"W, 1°02'04"S). Holotype: INPA 4715.

Distribution: Trombetas River basin, above Porteira Falls, Brazil (Rapp Py-Daniel & Oliveira, 2001).

Harttia uatumensis Rapp Py-Daniel & Oliveira, 2001

Harttia uatumensis Rapp Py-Daniel & Oliveira, 2001: 85, fig. 4. Type locality: Brazil: Amazonas: rio Uatumã, at Santa Luzia (59°28'36"W, 1°50'13"S). Holotype: INPA 2974.

Distribution: Uatumã River basin, Brazil (Rapp Py-Daniel & Oliveira, 2001).

HARTTIELLA Boeseman, 1971

Harttiella Boeseman, 1971: 25. Type species: *Harttia crassicauda* Boeseman, 1953. Type by original designation. Gender: Feminine.

Harttiella crassicauda (Boeseman, 1953)

Harttia crassicauda Boeseman, 1953: 10, fig. 2. Type locality: Nassau Mountains, in creek [Suriname]. Holotype: RMNH 19418 (largest of 15 specimens). Holotype may not have been separated from paratypes.

Distribution: Marowijne River basin, Suriname (le Bail *et al.*, 2000).

Remarks: Species redescribed in le Bail *et al.* (2000).

HEMIANCISTRUS Bleeker, 1862

Hemiancistrus Bleeker, 1862 (in Bleeker, 1862–63): 2. Type species: *Ancistrus medians* Kner, 1854. Type by original designation. Gender: Masculine.

Remarks: Monophyly of genus is not supported by anatomical characters (Schaefer, 1986: 105) or mitochondrial DNA (Montoya-Burgos *et al.*, 2002: 379), but alternate taxonomy has not yet been proposed for the placement of all of the species listed below. However, Armbruster (2004) indicated that some species were clearly distinct and he listed them in the “*Hemiancistrus annectens* group.”

Hemiancistrus annectens (Regan, 1904)

Ancistrus annectens Regan, 1904b: 225, pl. 11 (fig. 2). Type locality: St. Javier [San Javier de Cachaví] and the Rio Durango [tributary of Rio Bogotá], N. W. Ecuador. Syntype (2): BMNH 2005.9.20.1 (1), BMNH 1902.5.27.49 (1).

Distribution: Pacific coastal rivers of NW Ecuador (Cayapas basin) and of SW Colombia (Patia basin), Colombia, Ecuador (Fisch-Muller, 2003).

Hemiancistrus aspidolepis (Günther, 1867)

Chaetostomus aspidolepis Günther, 1867c: 603. Type locality: Veragua [probably Veraguas province], Panama. Holotype: BMNH 1866.11.5.1 (skin).

Plecostomus plecostomus panamensis Eigenmann, 1922b: 69. Type locality: the Rio Gatun [...] at Monte Liria and at Gatun, Panama; and New Granada. Syntypes: FMNH 26265 (14) and others [see Remarks].
Distribution: Gatun River basin, Caribbean coastal drainage, Panama (Fisch-Muller, 2003).
Remarks: Specimens from several literature sources cited by Eigenmann (1922b: 69) from Panama, including about 150 specimens of *Plecostomus plecostomus* mentioned by Meek & Hildebrand (1916: 247) should be considered as part of the syntype series of *Plecostomus plecostomus panamensis*, but only those listed above appear to have been examined by Eigenmann.

Hemiancistrus chlorostictus Cardoso & Malabarba, 1999

Hemiancistrus chlorostictus Cardoso & Malabarba, 1999: 144, fig. 3. Type locality: Passo Fundo dam, Gerasul UHPF, Ronda Alta, Rio Grande do Sul, Brazil (approximately 27°40'09"S, 52°45'25"W). Holotype: MCP 21153.

Distribution: Upper Uruguay River basin, Passo Fundo dam, Brazil (Fisch-Muller, 2003).

Hemiancistrus fugleri Ovchynnyk, 1971

Hemiancistrus fugleri Ovchynnyk, 1971: 108, figs. 12–15. Type locality: Ecuador, Province Esmeraldas, Rio Bogota, Parroquia Cadondelet (78°45' west longitude. 1°6' north latitude). Holotype: MSUM 5133.

Distribution: Cayapas River basin, Ecuador, known only from holotype (Fisch-Muller, 2003).

Hemiancistrus fuliginosus Cardoso & Malabarba, 1999

Hemiancistrus fuliginosus Cardoso & Malabarba, 1999: 148, fig. 6. Type locality: rio Jacutinga, road Seara-Concórdia (BR283), Concórdia, Santa Catarina, Brazil (approx. 27°10'S, 52°09'W). Holotype: MCP 21155.

Distribution: Upper and middle Uruguay River basin, Brazil (Fisch-Muller, 2003).

Hemiancistrus guahiborum Werneke, Armbruster, Lujan & Taphorn, 2005

Hemiancistrus guahiborum Werneke, Armbruster, Lujan & Taphorn, 2005: 544, fig. 2. Venezuela, Amazonas, río Ventuari at raudales Tencua 56 km ESE of San Juan de Manapiare, 05.04968°, -065.62722° Holotype: MCNG 51994.

Distribution: middle and upper Orinoco River basin (Werneke, Armbruster, Lujan & Taphorn, 2005).

Hemiancistrus hammarlundi Rendahl, 1937

Hemiancistrus hammarlundi Rendahl, 1937: 2, fig. 1 (up). Type locality: Ecuador, Syst. Rio de Clementina [= Rio Pozuelos] nw. von Babahoyo. Holotype: NRM 10370.

Distribution: Guayas River basin, Ecuador (Fisch-Muller, 2003).

Hemiancistrus holostictus Regan, 1913

Hemiancistrus holostictus Regan, 1913d: 469. Type locality: Not stated [San Juan River basin, Colombia]. Holotype: BMNH 1913.10.1.57.

Distribution: San Juan River basin, Colombia (Fisch-Muller, 2003).

Remarks: Redescribed by Eigenmann (1922b: 73, pl. 9 fig. 4).

Hemiancistrus landoni Eigenmann, 1916

Hemiancistrus landoni Eigenmann, 1916: 84. Type locality: Naranjito [Chimbo tributary, Babahoyo basin], Ecuador. Holotype: CAS 59939; holotype illustrated in Eigenmann (1922b: 72, text fig. 16; pl. 9 fig. 3, pl. 10 fig. 2).

Distribution: Guayas River basin, Ecuador (Fisch-Muller, 2003).

Hemiancistrus macrops (Lütken, 1874)

Chaetostomus macrops Lütken, 1874a: 209. Type locality: Surinam. Holotype: ZMUC P 30142, illustrated in Steindachner (1881c: 124, pl. 5, figs. 3–3a).

Distribution: Suriname (Fisch-Muller, 2003).

Hemiancistrus maracaiboensis Schultz, 1944

Hemiancistrus maracaiboensis Schultz, 1944c: 317, pl. 10 (fig. c). Type locality: near the mouth of the Río Concha in Lago Maracaibo; Venezuela. Holotype: USNM 121012.

Distribution: Lake Maracaibo basin, Venezuela (Fisch-Muller, 2003).

Hemiancistrus medians (Kner, 1854)

Ancistrus medians Kner, 1854: 256. Type locality: [No locality stated]. Holotype: at NMW. Originally as *Anc. medians*.

Distribution: Maroni River basin, French Guiana and Suriname (Fisch-Muller, 2003).

Remarks: Type locality interpreted by Isbrücker (1992b) as Rivière Marouini, Maroni system, French Guiana.

Hemiancistrus megacephalus (Günther, 1868)

Chaetostomus megacephalus Günther, 1868a: 476. Type locality: Surinam. Holotype: BMNH 1978.9.12.3.

Described in more detail in Günther (1868b: 232).

Distribution: imprecise locality in Suriname, and Essequibo basin, Guyana (Fisch-Muller, 2003).

Hemiancistrus megalopteryx Cardoso, 2004

Hemiancistrus megalopteryx Cardoso, 2004: 174, fig. 1. Type locality: Brazil: Santa Catarina: Braço do Norte: rio Braço do Norte, downstream dam (tributary of rio Tubarão), approx. 28°16'38"S 49°11'1"W. Holotype: MCP 32229.

Distribution: Tubarão River basin, Santa Catarina State, Brazil (Cardoso, 2004).

Hemiancistrus meizospilos Cardoso & Pezzi da Silva, 2004

Hemiancistrus meizospilos Cardoso & Pezzi da Silva, 2004: 4, fig. 6. Type locality: Brazil: Santa Catarina: Coronel Freitas: rio Chapecó (tributary of the rio Uruguai basin). Holotype: MCP 34091.

Distribution: Chapecó River system, Uruguay River basin, Brazil (Cardoso & Pezzi da Silva, 2004).

Hemiancistrus micrommatos Cardoso & Lucinda, 2003

Hemiancistrus micrommatos Cardoso & Lucinda, 2003: 77, fig. 3 (lower). Type locality: Brazil: Goiás: rio Tocantins, at site of future hydroelectric dam of Serra da Mesa, between Minaçu & Cavalcante, Minaçu, approximately 13°50'S 48°19'W. Holotype: MNRJ 20873.

Distribution: Lower Amazon Basin, Upper Rio Tocantins and tributaries, Brazil (Fisch-Muller, 2003).

Hemiancistrus punctulatus Cardoso & Malabarba, 1999

Hemiancistrus punctulatus Cardoso & Malabarba, 1999: 152, fig. 8. Type locality: rio dos Sinos, João Fernandes beach, Caraá, Rio Grande do Sul, Brazil (approx. 29°45'87"S, 50°25'68"W). Holotype: MCP 21154.

Distribution: Laguna dos Patos basin, Brazil (Fisch-Muller, 2003).

Hemiancistrus spilomma Cardoso & Lucinda, 2003

Hemiancistrus spilomma Cardoso & Lucinda, 2003: 75, fig. 2 (lower). Type locality: Brazil: Tocantins; Porto Franco, rio Tocantins near mouth of rio Lajeado. Holotype: MCP 28425.

Distribution: Lower Amazon Basin, lower and upper Tocantins drainage, Brazil (Cardoso & Lucinda, 2003).

Hemiancistrus spinosissimus Cardoso & Lucinda, 2003

Hemiancistrus spinosissimus Cardoso & Lucinda, 2003: 79, fig. 4 (lower). Type locality: Brazil: Goiás: rio Maranhão, near mouth of the rio Tocantinzinho, border of Niquelândia and Campinaçu, 13°56'25"S 48°19'08"W. Holotype: MCP 26239.

Distribution: Lower Amazon Basin, Middle and Upper Rio Tocantins and tributaries, Brazil (Cardoso & Lucinda, 2003).

Hemiancistrus subviridis Werneke, Sabaj, Lujan & Armbruster, 2005

Hemiancistrus subviridis Werneke, Sabaj, Lujan & Armbruster, 2005: 538, fig. 4. Type locality: Venezuela, Amazonas, río Orinoco 117 km W of La Esmeralda, 03.28998°, -66.60004°. Holotype: MCNG 54032.

Distribution: Upper Orinoco River, Venezuela (Werneke, Sabaj, Lujan & Armbruster, 2005).

Hemiancistrus votouro Cardoso & Pezzi da Silva, 2004

Hemiancistrus votouro Cardoso & Pezzi da Silva, 2004: 2, fig. 1. Type locality: Brazil: Rio Grande do Sul: Benjamin Constant: arroio Lageado Grande (tributary of the rio Passo Fundo, Rio Uruguai basin), ca. 2.5 km NE from Votouro Indian Reserve (27°26'50"S, 52°37'5"W). Holotype: MCP 33594.

Distribution: Passo Fundo system, Uruguay River basin, Brazil (Cardoso & Pezzi da Silva, 2004).

Hemiancistrus wilsoni Eigenmann, 1918

Hemiancistrus wilsoni Eigenmann, 1918b: 678. Type locality: Truando [tributary of Río Atrato, Colombia]. Holotype: FMNH 58550; holotype illustrated in Eigenmann (1922b: 74, pl. 10, fig. 1).

Distribution: Truando River basin, Atrato River drainage, Colombia (Fisch-Muller, 2003).

HEMILORICARIA Bleeker, 1862

Hemiloricaria Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Hemiloricaria caracasensis* Bleeker, 1862. Type by original designation. Gender: Feminine.

Remarks: Removed from the synonymy of *Rineloricaria* in Isbrücker (2001: 23).

Hemiloricaria altipinnis (Breder, 1925)

Loricaria altipinnis Breder, 1925: 1, fig. 1. Type locality: Río Chico, Darien, Panama. Holotype: AMNH 8404.

Distribution: Chico River basin, Panama (Ferraris, 2003c).

Hemiloricaria aurata Knaack, 2002

Hemiloricaria aurata Knaack, 2002b: 58, unnumbered figures. Type locality: Mündang eines kleinen Zuflusses in den Rio Aquidaban, Paraguay, Dpto. de Concepcion, Strecke Loreto-San Carlos. Holotype: ZMA 123591.

Distribution: Paraguay (Knaack, 2002b).

Hemiloricaria beni (Pearson, 1924)

Loricaria beni Pearson, 1924: 25, pl. 5 (fig. 4). Type locality: Lagoons, Lake Rogoagua [Beni River basin, Bolivia]. Holotype: CAS 28772.

Distribution: Beni River basin, Bolivia (Ferraris, 2003c).

Hemiloricaria cacerensis (Miranda Ribeiro, 1912)

Loricaria cacerensis Miranda Ribeiro, 1912: 11. Type locality: Caceres, M. Grosso (Aguas do Paraguay) [Brazil]. Lectotype: MNRJ 645A, designated by Miranda Ribeiro (1953: 400).

Distribution: Mato Grosso, Brazil (Ferraris, 2003c).

Hemiloricaria caracasensis Bleeker, 1862

Loricaria rostrata van der Hoeven, 1849: 90. Type locality: Caracas [Venezuela]. Holotype: RMNH 3120. Preoccupied by *Loricaria rostrata* Spix & Agassiz, 1829.

Hemiloricaria caracasensis Bleeker, 1862 (in Bleeker, 1862–63): 3. Type locality: Caracas [Venezuela]. Holotype: RMNH 3120; holotype illustrated by Boeseman (1972: pl. 1), as *Hemiloricaria caracasensis*.

Distribution: Caribbean coastal drainages, Venezuela (Ferraris, 2003c).

Remarks: *Hemiloricaria caracasensis* was incorrectly reported to be a replacement name for *Loricaria rostrata* in Ferraris (2003c). The two names were actually independently based on the same specimen.

Hemiloricaria castroi (Isbrücker & Nijssen, 1984)

Rineloricaria castroi Isbrücker & Nijssen, 1984a: 93, fig. 1. Type locality: Brazil, Est. Pará, Trapiche da Reserva Biológica de Trombetas, Rio Trombetas. Holotype: MZUSP 15731.

Distribution: Trombetas River basin, Brazil (Ferraris, 2003c).

Hemiloricaria eigenmanni (Pellegrin, 1908)

Loricaria Eigenmanni Pellegrin, 1908: 125. Type locality: Sarare (Venezuela). Lectotype: MNHN 1899-0118, designated by Isbrücker (1979a: 113).

Distribution: Venezuela (?).

Hemiloricaria fallax (Steindachner, 1915)

Loricaria (Loricariichthys) fallax Steindachner, 1915e: 101, pl. 13 (figs. 1–4). Type locality: Rio Rupununi, dem Rio Parimé dei 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. Lectotype: NMW 44864, designated by Isbrücker & Nijssen (1979: 198).

Distribution: Upper Rupununi and Branco River basins (Ferraris, 2003c).

Hemiloricaria formosa (Isbrücker & Nijssen, 1979)

Rineloricaria formosa Isbrücker & Nijssen, 1979: 192, fig. 1. Type locality: Colombia, Lagoon about 1 km upriver from Puerto Inírida, Río Orinoco basin. Holotype: FMNH 83713.

Distribution: Western Orinoco and upper Amazon River basins (Ferraris, 2003c).

Hemiloricaria hasemani (Isbrücker & Nijssen, 1979)

Rineloricaria hasemani Isbrücker & Nijssen, 1979: 200, fig. 4. Type locality: Brazil, Est. Pará, Maguary near Belém, along the Bragança railroad (Bragança, 1°02'S, 46°46'W), in forest streams. Holotype: NMW 44865.

Distribution: Lower Amazon or Tocantins River basin, Brazil (Ferraris, 2003c).

Hemiloricaria hoehnei (Miranda Ribeiro, 1912)

Loricaria hoehnei Miranda Ribeiro, 1912: 11. Type locality: Coxim, no Rio Paraguay [Brazil]. Holotype: MNRJ 650.

Distribution: Paraguay River basin, Brazil (Ferraris, 2003c).

Hemiloricaria jubata (Boulenger, 1902)

Loricaria jubata Boulenger, 1902a: 70. Type locality: Northwestern Ecuador, St. Javier (60 feet), and the Rio Durango, elev. (350 feet) [restricted to the Durango River by lectotype designation]. Lectotype: BMNH 1902.5.27.45, designated by Isbrücker (1979a: 112).

Distribution: Mira and Esmeraldas River basins, Pacific drainage, Ecuador (Ferraris, 2003c); and Patia River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Hemiloricaria konopickyi (Steindachner, 1879)

Loricaria konopickyi Steindachner, 1879a: 34. Type locality: dem mittleren Laufe des Amazonenstromes. Holotype: NMW 44934. Illustrated and described in more detail in Steindachner (1879e: 45 pl. 6, fig. 3).

Distribution: Amazon River basin, Brazil (Ferraris, 2003c).

Hemiloricaria lanceolata (Günther, 1868)

Loricaria lanceolata Günther, 1868a: 477. Type locality: Xeberos. Holotype: BMNH 1867.6.13.79. Described in more detail in Günther (1868b: 235, fig. 3). Holotype redescribed and illustrated in Isbrücker (1973: 78, fig. 1) as *Rineloricaria lanceolata*.

Distribution: Upper Amazon River basin, Peru (Ferraris, 2003c).

Hemiloricaria magdalenae (Steindachner, 1879)

Loricaria Magdalenae Steindachner, 1879d: 74. Type locality: Magdalenen-Stromes [Colombia]. Lectotype: NMW 45080, designated by Isbrücker (1979a: 112); syntype illustrated in Boeseman (1972: pl. 2).

Distribution: Sinú, Magdalena and, possibly, Catatumbo River basins, Colombia (Ferraris, 2003c).

Hemiloricaria melini (Schindler, 1959)

Loricariichthys melini Schindler, 1959: 387, fig. 1. Type locality: Rio Solimoes beim Ort Manacapuru, nahe der Mündung des Rio Negro [Brazil]. Holotype: NRM 10830.

Distribution: Amazon River basin, Brazil (Ferraris, 2003c).

Hemiloricaria morrowi (Fowler, 1940)

Rhineloricaria morrowi Fowler, 1940a: 244, figs. 39–41. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68663.

Distribution: Ucayali River basin, Peru (Ferraris, 2003c).

Hemiloricaria nigricauda (Regan, 1904)

Loricaria nigricauda Regan, 1904b: 275, pl. 16 (fig. 2). Type locality: Porto Real, Province Rio Janeiro [Brazil]. Lectotype: BMNH 1891.6.16.32, designated by Isbrücker (1979a: 113).

Distribution: Coastal streams in Rio de Janeiro State, Brazil (Ferraris, 2003c).

Hemiloricaria parva (Boulenger, 1895)

Loricaria parva Boulenger, 1895b: 527. Type locality: Descalvados, Matto Grosso [Brazil]. Lectotype: BMNH 1895.5.17.91, designated by Isbrücker (1979a: 112); one syntype illustrated in Boulenger (1896: pl. 7, fig. 1).

Distribution: Paraguay River basin, Argentina and Brazil (Ferraris, 2003c).

Hemiloricaria phoxocephala (Eigenmann & Eigenmann, 1889)

Loricaria phoxocephala Eigenmann & Eigenmann, 1889b: 37. Type locality: Coary [Brazil]. Lectotype: MCZ 8030, designated by Isbrücker (1979a: 112).

Distribution: Amazon River basin, Brazil (Ferraris, 2003c).

Hemiloricaria platyura (Müller & Troschel, 1848)

Loricaria platyura Müller & Troschel, 1848: 631. Type locality: dem Rupununi [Guyana]. Holotype: ZMB 3166.

Loricaria submarginatus Eigenmann, 1909a: 10. Type locality: Creek below Potaro Landing [Guyana]. Holotype: FMNH 53080.

Distribution: Various coastal rivers from near Amazon mouth to Essequibo River, Guyana (le Bail *et al.*, 2000).

Remarks: Species redescribed in le Bail *et al.* (2000).

Hemiloricaria sneiderni (Fowler, 1944)

Loricaria sneiderni Fowler, 1944b: 240, figs. 17–19. Type locality: Río Jurubidá, Nuquí, in brook [Colombia]. Holotype: ANSP 71433.

Distribution: Jurubidá River basin, Pacific Drainage, Colombia (Ferraris, 2003c).

Hemiloricaria stewarti (Eigenmann, 1909)

Loricaria stewarti Eigenmann, 1909a: 9. Type locality: Chipoo Creek, a tributary of the Ireng [Guyana]. Holotype: FMNH 53330; holotype illustrated in Eigenmann (1912b: pl. 30, fig. 5).
Distribution: Coastal rivers of the Guianas, and upper Branco River Basin (Ferraris, 2003c).
Remarks: Species redescribed by le Bail *et al.* (2000).

Hemiloricaria teffeana (Steindachner, 1879)

Loricaria teffeana Steindachner, 1879a: 34. Type locality: Teffé, Amazonenstrom [Brazil]. Lectotype: NMW 45134: 1, designated by Isbrücker (1979a: 112). Illustrated and described in more detail in Steindachner (1879e: 44, pl. 6, fig. 2).

Loricaria Valenciennesii Vaillant, 1880b: 157. Type locality: Calderon [Brazil]. Holotype: MNHN a-1985.

Distribution: Amazon River basin, Brazil (Ferraris, 2003c).

Hemiloricaria wolfei (Fowler, 1940)

Rhineloricaria wolfei Fowler, 1940a: 241, figs.33–35. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68660.

Distribution: Ucayali River basin, Peru (Ferraris, 2003c).

HEMIODONTICHTHYS Bleeker, 1862

Hemiodontichthys Bleeker, 1862 (in Bleeker, 1862–63): 4. Type species: *Hemiodon acipenserinus* Kner, 1853. Type by original designation. Gender: Masculine.

Hemiodontichthys acipenserinus (Kner, 1853)

Hemiodon acipenserinus Kner, 1853a: 12, 28, pl. 7 (fig. 2a–c). Type locality: Rio Guaporé, Matogrosso (Juquia) [Brazil]. Lectotype: NMW 46139, designated by Isbrücker & Nijssen (1974b: 204). Originally as *Hem. acipenserinus*.

Distribution: Amazon, Essequibo, Oyapock, and Paraguay River basins (Ferraris, 2003c).

Remarks: Species redescribed by le Bail *et al.* (2000).

HEMIPSILICHTHYS Eigenmann & Eigenmann, 1889

Xenomystus Lütken, 1874a: 217. Type species: *Xenomystus gobio* Lütken, 1874. Type by original designation. Gender: Masculine. Preoccupied by *Xenomystus* Günther, 1868, in fishes; replaced by *Hemipsilichthys* Eigenmann & Eigenmann, 1889.

Hemipsilichthys Eigenmann & Eigenmann, 1889b: 46. Type species: *Xenomystus gobio* Lütken, 1874. Type by being a replacement name. Gender: Masculine. Replacement name for *Xenomystus* Lütken, 1874, preoccupied by *Xenomystus* Günther, 1868, in fishes.

Upsilodus Miranda Ribeiro, 1924: 365. Type species: *Upsilodus victori* Miranda Ribeiro, 1924. Type by monotypy. Gender: Masculine.

Remarks: The name *Psilichthys* is found in Steindachner (1907a: 82) and treated in subsequent literature as the proposal of a new generic name, with *Psilichthys cameroni* Steindachner, 1907, as type. However the name is apparently a *lapsus calami* for *Hemipsilichthys*, which is used extensively in Steindachner (1907e), including mention of its being a replacement for *Xenomystus* Lütken.

Revision and key to species: Pereira & Reis (2002), but with most species subsequently transferred into *Pareiorhaphis* by Pereira (2005).

Hemipsilichthys gobio (Lütken, 1874)

Xenomystus gobio Lütken, 1874a: 217, pl. 4 (fig. 1). Type locality: not stated. Holotype: ZMUC 30173.

Upsilodus victori Miranda Ribeiro, 1924: 366. Type locality: Paquequer ad Theresopolis, Rio de Janeiro [Brazil]. Lectotype: MNRJ 639, designated by Gosline (1947: 100).

Distribution: Paraíba do Sul River basin, Brazil (Weber, 2003).

Remarks: Type locality of *Xenomystus gobio* given by Pereira *et al.* (2000: 382) as Paraíba do Sul River basin, Brazil.

Hemipsilichthys nimius Pereira, Reis, Souza & Lazzarotto, 2003

Hemipsilichthys nimius Pereira, Reis, Souza & Lazzarotto, 2003: 5, fig. 1. Type locality: Brazil: Rio de Janeiro, Parati, rio Carrasquinho below the Cachoeira do Tobogã, upper Perequê-Açu Basin, Penha, ca. 7.5 km west of

highway BR 101, on road from Parati to Cunha (23°12'51"S, 44°47'28"W. Holotype: MCP 33049.

Distribution: Perequê-Açu and Taquari Rivers, Rio de Janeiro State, Brazil (Pereira *et al.*, 2003).

Hemipsilichthys papillatus Pereira, Oliveira & Oyakawa, 2000

Hemipsilichthys papillatus Pereira, Oliveira & Oyakawa, 2000: 378, fig. 1. Type locality: Brazil: Minas Gerais: rio Paraíba do Sul drainage, County of Rio Preto, ribeirão Santana, tributary of rio Preto (approx. 22°02'S 43°47'W). Holotype: MZUSP 53085.

Distribution: Preto River basin of Paraíba do Sul River drainage, Brazil (Weber, 2003).

HISONOTUS Eigenmann & Eigenmann, 1889

Hisonotus Eigenmann & Eigenmann, 1889b: 40. Type species: *Hisonotus notatus* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

Hisonotus depressicauda (Miranda Ribeiro, 1918)

Otocinclus depressicauda Miranda Ribeiro, 1918d: 635. Type locality: Sorocaba [Paraná River basin, Brazil]. Lectotype: MZUSP 1004, designated by Britski (1969: 208).

Distribution: Tietê River basin, Brazil (Schaefer, 2003c).

Hisonotus depressinotus (Miranda Ribeiro, 1918)

Microlepidogaster depressinotus Miranda Ribeiro, 1918d: 633. Type locality: Piracicaba [São Paulo State, Brazil]. Holotype: MZUSP 2156.

Distribution: Tietê River basin, Brazil (Schaefer, 2003c).

Hisonotus francirochai (Ihering, 1928)

Otocinclus francirochai Ihering, 1928a: 2, fig. 1. Type locality: Creeks by Pirangy, headwaters of the rio Turvo, Brazil. Lectotype: MZUSP 3258, designated by Britski (1969: 209).

Distribution: Grande River basin, Brazil (Schaefer, 2003c).

Hisonotus insperatus Britski & Garavello, 2003

Hisonotus insperatus Britski & Garavello, 2003: 588, fig. 1. Type locality: Brazil, São Paulo State, Botucatu, Rio Capivara, Rio Tietê drainage. Holotype: MZUSP 78957.

Distribution: Upper Paraná River basin, São Paulo and Mato Grosso states, Brazil (Britski & Garavello, 2003).

Hisonotus laevior Cope, 1894

Hisonotus laevior Cope, 1894: 95, pl. 8 [sic, 7] (figs. 12, 12a–b). Type locality: Rio Jacuhy, Rio Grande do Sul, Brazil. Holotype: ANSP 21563.

Distribution: Jacuí River basin, Brazil (Schaefer, 2003c).

Hisonotus leptochilus Cope, 1894

Hisonotus leptochilus Cope, 1894: 96, pl. 8 [sic, 7] (figs. 11 a–b). Type locality: Rio Grande do Sul, Brazil. Holotype: ANSP 21564.

Distribution: Jacuí River basin, Brazil (Schaefer, 2003c).

Hisonotus leucofrenatus (Miranda Ribeiro, 1908)

Otocinclus leucofrenatus Miranda Ribeiro, 1908b: [2]. Type locality: Rio das Pedras [Brazil]. Type(s): at MNRJ, current whereabouts unknown.

Distribution: Ribeira de Iguape River basin, Brazil (Schaefer, 2003c).

Hisonotus maculipinnis (Regan, 1912)

Otocinclus maculipinnis Regan, 1912b: 668, pl. 77 (fig. 3). Type locality: Rio de la Plata, South America. Syntypes: BMNH 1909.4.2.19–22 (4).

Distribution: Paraná/Paraguay and La Plata River basins, Argentina (Schaefer, 2003c).

Hisonotus nigricauda (Boulenger, 1891)

Otocinclus nigricauda Boulenger, 1891: 234, pl. 25 (fig. 3). Type locality: Rio Grande do Sul, Brazil. Syntypes: BMNH 1891.3.16.53–62.

Distribution: Paraná/Paraguay River basin, Brazil (Schaefer, 2003c).

Hisonotus notatus Eigenmann & Eigenmann, 1889

Hisonotus notatus Eigenmann & Eigenmann, 1889b: 41. Type locality: Santa Cruz and Juiz de Fora [Brazil]. Syntypes (96): ANSP 166924 (1), BMNH 1904.1.28.13–16 (4), MCZ 7764 (91), MCZ 8177 (1).

Distribution: Southeastern Brazil (Schaefer, 2003c).

Remarks: Eigenmann & Eigenmann (1890: 391) included the name *minutus* [interpreted in context as *Hisonotus minutus*] in the discussion of *H. notatus*. This has been interpreted as a *lapsus* for *H. notatus* by Isbrücker (1980: 84) and Schaefer (1996b: 1034) although not so noted in the printed corrigenda associated with the volume. The name is not associated with an indication and not treated as valid elsewhere in the volume, so there is no reason to consider this as an available name.

Hisonotus paulinus (Regan, 1908)

Otocinclus paulinus Regan, 1908f: 799, fig. 208. Type locality: Rio Piracicaba, San Paulo, Brazil. Holotype: BMNH 1907.7.6.9.

Distribution: Tietê River basin, Brazil (Schaefer, 2003c).

Hisonotus ringueleti Aquino, Schaefer & Miquelarena, 2001

Hisonotus ringueleti Aquino, Schaefer & Miquelarena, 2001: 3, fig. 1. Type locality: Uruguay, Rivera State, upper Uruguay River drainage, Quaraí River drainage, creek at Km 18 of route joining Santa do Livramento, Brazil, and Rivera, Uruguay; close to border (ca. 31°00'S, 55°30'W). Holotype: ILPLA 886.

Distribution: Upper Uruguay River basin, Uruguay (Schaefer, 2003c).

Hisonotus taimensis (Buckup, 1981)

Microlepidogaster taimensis Buckup, 1981: 22, figs. 1–7. Type locality: Novo canal do Arroio Taim, Estação Ecológica do Taim, Rio Grande do Sul, Brazil. Holotype: MZUSP 14133.

Distribution: Mirim Lagoon drainage, Brazil (Schaefer, 2003c).

HOPLIANCISTRUS Isbrücker & Nijssen, 1989

Hopliancistrus Isbrücker & Nijssen, 1989: 543. Type species: *Hopliancistrus tricornis* Isbrücker & Nijssen, 1989. Type by original designation. Gender: Masculine.

Hopliancistrus tricornis Isbrücker & Nijssen, 1989

Hopliancistrus tricornis Isbrücker & Nijssen, 1989: 543, fig. 6. Type locality: Brasilien, Est. Pará, Poça de Pedra no Rio Tapajós, São Luis. Holotype: MZUSP 22007.

Distribution: Tapajós and Xingu River basins, Brazil (Fisch-Muller, 2003).

HYPANCISTRUS Isbrücker & Nijssen, 1991

Hypancistrus Isbrücker & Nijssen, 1991: 347. Type species: *Hypancistrus zebra* Isbrücker & Nijssen, 1991. Type by original designation. Gender: Masculine.

Monophyly: Armbruster (2002).

Hypancistrus inspector Armbruster, 2002

Hypancistrus inspector Armbruster, 2002: 87, fig. 2 (middle). Type locality: Venezuela, Amazonas, Dpto. Casiquiare, río Casiquiare, río Negro-río Amazonas drainage, approximately 10 river km above the río Negro (below Solano), 1°58'N, 67°05'W. Holotype: MCNG 12133.

Distribution: Upper Negro, Casiquiare, and upper Orinoco River basin, Venezuela (Fisch-Muller, 2003).

Hypancistrus zebra Isbrücker & Nijssen, 1991

Hypancistrus zebra Isbrücker & Nijssen, 1991: 348, fig. 1 (middle). Type locality: Brazil, Est. Pará, anastomoses of Rio Xingú, about one hour upstream of Altamira by speedboat (Altamira: 03°13'S 53°15'W). Holotype: MZUSP 41668.

Distribution: Xingu River basin, Brazil (Fisch-Muller, 2003).

HYPOPTOPOMA Günther, 1868

Hypoptopoma Günther, 1868a: 477. Type species: *Hypoptopoma thoracatum* Günther, 1868. Type by monotypy. Gender: Neuter.

Aristommata Holmberg, 1893a: 96. Type species: *Aristommata inexpectata* Holmberg, 1893. Type by monotypy. Gender: Feminine.

Diapeltoplites Fowler, 1915a: 237. Type species: *Hypoptopoma gulare* Cope, 1878. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Hypoptopoma*.

Hypoptopoma bilobatum Cope, 1870

Hypoptopoma bilobatum Cope, 1870b: 566. Type locality: Pebas, Ecuador [now Peru]. Syntypes: ANSP 8280 (2).
Distribution: Amazon River basin, Peru (Schaefer, 2003c).

Hypoptopoma guianense Boeseman, 1974

Hypoptopoma guianense Boeseman, 1974: 259, fig. 1; pl. 1. Type locality: Left tributary of the Nickerie River, a few km upstream from the Stondansi Falls, Surinam. Holotype: RMNH 26919.
Distribution: Nickerie River basin, Suriname (Schaefer, 2003c).

Hypoptopoma gulare Cope, 1878

Hypoptopoma gulare Cope, 1878: 679. Type locality: Peruvian Amazon. Holotype: ANSP 21477.
Distribution: Amazon River basin (Schaefer, 2003c).

Hypoptopoma inexpectatum (Holmberg, 1893)

Aristommata inexpectata Holmberg, 1893a: 96. Type locality: Río Paraguay, Formosa Prov., Argentina. Holotype: MACN 5164. Also in Holmberg (1893b: 354).
Hypoptopoma guentheri Boulenger, 1895b: 526. Type locality: Descalvados, Mato Grosso [Brazil]. Syntypes: BMNH 1895.5.17.77–82 (6).
Distribution: Paraná/Paraguay River basin (Schaefer, 2003c).
Remarks: Redescribed in Aquino & Miquelarena (2001), as *Hypoptopoma inexpectata*.

Hypoptopoma joberti (Vaillant, 1880)

Otocinclus joberti Vaillant, 1880a: 147. Type locality: Calderon, Brésil. Holotype: MNHN a-1966.
Distribution: Amazon River basin, Brazil (Schaefer, 2003c).

Hypoptopoma psilogaster Fowler, 1915

Hypoptopoma psilogaster Fowler, 1915a: 235, fig. 9. Type locality: Peruvian Amazon. Holotype: ANSP 21922.
Distribution: Amazon River basin, Colombia and Peru (Schaefer, 2003c).

Hypoptopoma steindachneri Boulenger, 1895

Hypoptopoma steindachneri Boulenger, 1895b: 526. Type locality: Amazonenstromen zunächst der mündung des Rio Negro. Holotype: NMW 46272; holotype illustrated in Schaefer (1996b:1033, fig. 1). Based on specimen described and illustrated in Steindachner (1879e: 47, pl. 7, fig. 1) as *Hypoptopoma thoracatum*.
Distribution: Amazon River basin (Schaefer, 2003c).

Hypoptopoma thoracatum Günther, 1868

Hypoptopoma thoracatum Günther, 1868a: 477. Type locality: Xeberos [upper Amazon River, Peru]. Holotype: BMNH 1867.6.13.38. Illustrated and described in more detail in Günther (1868b: 234, fig. 2).
Distribution: Amazon River basin (Schaefer, 2003c).

HYPOSTOMUS La Cepède, 1803

Hypostomus La Cepède, 1803: 145. Type species: *Hypostomus guacari* La Cepède, 1803. Type by monotypy. Gender: Masculine.

Cochliodon Heckel, in Kner, 1854: 265. Type species: *Hypostomus cochliodon* Kner, 1854. Type by monotypy. Gender: Masculine.

Cheiridodus Eigenmann, 1922b: 70. Type species: *Plecostomus hondae* Regan, 1912. Type by original designation. Gender: Masculine.

Watawata Isbrücker & Michels, in Isbrücker *et al.*, 2001: 21. Type species: *Hypostomus microstomus* Weber, 1987. Type by original designation. Gender: Feminine.

Remarks: *Plecostomus* Gronovius (1763: 127) was published in a work rejected by the ICZN (Opinion 261) for nomenclatural purposes; the name appears on the Official Index of Rejected and Invalid Generic Names In Zoology (Melville & Smith, 1987). Subsequent uses of *Plecostomus* were summarized in Isbrücker (1980). The recently proposed genus *Watawata* Isbrücker & Michels was considered by Weber (2003) to be invalid.

Revision: Armbruster (2003a, *Hypostomus cochliodon* group).

Reviews: Boeseman (1968, Suriname), Weber (1986, Paraguay), Reis *et al.* (1990, Rio Grande do Sul), López & Miquelarena (1991a, b, Argentina); Mazzoli *et al.* (1994, Paraíba do Sul, Brazil), and Le Bail *et al.* (2000, French Guiana).

Molecular phylogeny: Montoya-Burgos *et al.* (2002, mitochondrial D-loop sequences).

Historical biogeography: Montoya-Burgos (2003).

Hypostomus affinis (Steindachner, 1877)

Plecostomus affinis Steindachner, 1877b: 685. Type locality: aus dem Rio Mucury bei Santa Clara [...] im Rio Parahyba und dessen Nebenflusse Muriahé, im Rio Mucury und S. Antonio bei S. Antonio de Ferros [restricted to Rio Parahyba (as Campos, in the rio Paraíba do Sul basin), Brazil, by lectotype designation]. Lectotype: NMW 44041:1; designated by Mazzoni *et al.* (1994: 5 and 7).

Distribution: Paraíba do Sul River basin, Brazil (Weber, 2003).

Hypostomus agna (Miranda Ribeiro, 1907)

Plecostomus agna Miranda Ribeiro, 1907a: 188. Type locality: Rio da Ribeira: da Iporanga —S. Paulo [Brazil]. Holotype: at MNRJ.

Distribution: Ribeira de Iguapé River basin, Brazil (Weber, 2003; Oyakawa *et al.*, 2005).

Hypostomus alatus Castelnau, 1855

Hypostomus alatus Castelnau, 1855: 41, pl. 20 (fig. 1). Type locality: rio Sabara, dans la province de Minas Geraës (Brésil). Holotype: MNHN a-9441.

Distribution: Upper São Francisco River basin, Brazil (Weber, 2003).

Hypostomus albopunctatus (Regan, 1908)

Plecostomus albopunctatus Regan, 1908f: 797, pl. 49 (fig. 1). Type locality: Rio Piracicaba, Sao Paulo, Brazil. Lectotype: BMNH 1907.7.6.15; designated by Weber (1987: 279).

Distribution: Upper Paraná River basin, (Weber, 2003).

Hypostomus ancistroides (Ihering, 1911)

Plecostomus ancistroides Ihering, 1911: 396. Type locality: Rio Tatuhy, affluente do lado esquerdo do Rio Sorocaba, Rio Piracicaba, Est. de S. Paulo [Brazil]. Syntypes: Whereabouts unknown, not found at MZUSP (Britski, 1969: 200).

Distribution: Tietê River basin, Brazil (Weber, 2003); Ribeira de Iguape River basin (Oyakawa *et al.*, 2005).

Hypostomus angipinnatus (Leege, 1922)

Plecostomus angipinnatus Leege, 1922: 152, pl. 9 (fig. 1). Type locality: Mato Grosso (?) [Brazil]. Holotype: at Phyletisch Museum, Jena (not found, Weber, 2003).

Distribution: La Plata drainage: possibly Paraguay basin (Weber, 2003).

Hypostomus argus (Fowler, 1943)

Plecostomus argus Fowler, 1943a: 249, figs. 28–31. Type locality: Villavicencio, Río Meta basin, Colombia. Holotype: ANSP 70510.

Distribution: Upper Meta River basin, Colombia (Weber, 2003).

Hypostomus asperatus Castelnau, 1855

Hypostomus asperatus Castelnau, 1855: 41, pl. 20 (fig. 2). Type locality: de l'Araguay [Brazil]. Holotype: MNHN a-9442.

Distribution: Tocantins River basin, Brazil (Weber, 2003).

Hypostomus aspilogaster (Cope, 1894)

Plecostomus aspilogaster Cope, 1894: 100, pl. 7 [pl. 7 reversed with pl. 8] (fig. 14). Type locality: from the Jacuhy, Rio Grande do Sul. Lectotype: ANSP 21781 designated by Reis *et al.* (1990: 733).

Distribution: Uruguay River basin and Laguna dos Patos drainage, Brazil (Weber, 2003).

Remarks: Redescribed by Reis *et al.* (1990: 733).

Hypostomus atropinnis (Eigenmann & Eigenmann, 1890)

Plecostomus lima atropinnis Eigenmann & Eigenmann, 1890: 399, 410. Type locality: Goiás, Brazil. Holotype: MCZ 27265.

Distribution: Tocantins River basin, Brazil (Weber, 2003).

Hypostomus auroguttatus Kner, 1854

Hypostomus auroguttatus Kner, 1854: 269, pl. 2 (fig. 3). Type locality: [Not explicitly given, apparently Rio Parahyba, Brazil (Weber, 2003)]. Syntypes: at NMW. Originally proposed as *Hyp. auroguttatus*.

Plecostomus Lütkeni Steindachner, 1877c: 217. Type locality: Im Rio Parahyba, R. Mucuri, R. San Antonio, R.

Quenda, R. de Pedral [restricted to Rio Parahyba (= rio Parafba do Sul), by lectotype designation]. Lectotype: NMW 44196: 1; designated by Mazzoni *et al.* (1994: 10).

Distribution: Parafba do Sul River basin, Brazil (Weber, 2003).

Hypostomus bolivianus (Pearson, 1924)

Plecostomus bolivianus Pearson, 1924: 21, pl. 4 (fig. 1). Type locality: Popoi River, Upper Beni, Bolivia. Holotype: CAS 77347.

Distribution: Beni River basin, Bolivia (Weber, 2003).

Hypostomus borellii (Boulenger, 1897)

Plecostomus borellii Boulenger, 1897c: 2. Type locality: Mission de San Francisco [Pilcomayo River, Bolivia]. Syntypes: BMNH 1897.1.27.19 (1), MZUT 1393 (1).

Distribution: Upper and middle Pilcomayo River basin, (Weber, 2003).

Hypostomus boulengeri (Eigenmann & Kennedy, 1903)

Plecostomus boulengeri Eigenmann & Kennedy, 1903: 502. Type locality: Matto Grosso or Asuncion. Holotype: CAS 58554.

Distribution: Paraguay River basin (Weber, 2003).

Remarks: Redescription in Weber (1986: 982).

Hypostomus brevicauda (Günther, 1864)

Plecostomus brevicauda Günther, 1864: 235. Type locality: Bahia [Brazil]. Syntypes: BMNH 1864.1.19.16–17 (2).

Distribution: coastal drainages of Eastern Brazilian (Weber, 2003).

Hypostomus brevis (Nichols, 1919)

Plecostomus brevis Nichols, 1919a: 413, 423. Type locality: no Estado de S. Paulo [...] in the state of São Paulo [Brazil]. Holotype: AMNH 7150.

Distribution: Upper Paraná River basin or eastern Brazilian coastal drainage; known only from holotype (Weber, 2003).

Hypostomus carinatus (Steindachner, 1881)

Plecostomus carinatus Steindachner, 1881c: 108, pl. 4 (fig. 2). Type locality: aus dem Amazonen-Strome, ohne nähere Angabe des Fundortes; [...], von Jatuarana [=probably in the Parintins, near Barreirinha], Ueranduba [=lago Iranduba], und aus dem See Saraca [=lago de Sarac]. Syntypes: ?MCZ 27266 (1), NMW 44094 (1), NMW 44096 (1).

Distribution: Middle Amazon River basin, Brazil (Weber, 2003).

Remarks: Some diagnostic characters in Rapp Py-Daniel (1988: 17 and tab. 3).

Hypostomus carvalhoi (Miranda Ribeiro, 1937)

Plecostomus carvalhoi Miranda Ribeiro, 1937: 54. Type locality: Rio Granjeiro— Crato— Ceará. Syntypes: MNRJ 924 (4, of which only 2 were reportedly found by Weber, 2003).

Distribution: Jaguaribe River basin, Brazil (Weber, 2003).

Remarks: Lectotype designation of specimen as MNRJ 924A by Miranda Ribeiro (1953: 401) considered not to clearly refer to a single specimen and therefore not valid by Weber (2003: 357).

Hypostomus cochliodon Kner, 1854

Hypostomus cochliodon Kner, 1854: 265, pl. 2 (fig. 1). Type locality: Rio Cuyaba. Syntypes: NMW 44101 (1), NMW 46277 (1), NMW 59395 (1), RMNH D1897 (1).

Distribution: Paraguay and middle Paraná River basins (Weber, 2003).

Remarks: The names *Loricaria melanoptera* and *Cochliodon hypostomus* were published by Kner (1854: 265) as synonyms of *H. cochliodon* and, therefore, not available. Species redescribed in Armbruster (2003a), but see Hollanda Carvalho & Weber (2004: 972) for comments on the identity of Armbruster's material.

Hypostomus commersoni Valenciennes, 1836

Hypostomus Commersoni Valenciennes, 1836, in Valenciennes, 1835–47: pl. 7 (fig. 2). Type locality: not stated [considered to have come from La Plata River, Uruguay]. Holotype or lectotype: MNHN a-9444. Name made available from caption to plate, with illustrated specimen the holotype (if recognizable; see Remarks). Described in Cuvier & Valenciennes (1840b: 495, 366 of Strasbourg deluxe edition).

Plecostomus spiniger Hensel, 1870: 73. Type locality: Rio Cadea [=Cadeia River, Rio Grande do Sul, Brazil]. Holo-

type: ZMB 7444.

Plecostomus limosus Eigenmann & Eigenmann, 1888b: 167. Type locality: Rio Grande do Sul [Brazil]. Lectotype: MCZ 7869, designated by Reis *et al.* (1990: 737). Name made available by diagnostic features in key on p. 168. Distribution: Middle and lower Paraná and Uruguay River basins; Laguna dos Patos basin (Weber, 2003).

Remarks: Weber (1986) selected MNHN a-9444 as a lectotype for *Hypostomus commersoni*. If this specimen was the specimen illustrated in Valenciennes (1836), it is actually the holotype, and no lectotype would have been necessary. However, if the illustrated specimen could not be identified, Weber's lectotype designation would stand. Type locality of *Hypostomus commersoni* discussed in Weber (1986: 994).

Hypostomus copenamensis Boeseman, 1969

Hypostomus copenamensis Boeseman, 1969: 120, fig. 3. Type locality: tributary of Left Coppename River, 3°54'N, 56°46'W, Surinam. Holotype: ZMA 105856.

Distribution: Upper Coppename River basin, Suriname (Weber, 2003).

Hypostomus corantijni Boeseman, 1968

Hypostomus corantijni Boeseman, 1968: 40, pl. 4 (fig. 1). Type locality: Sipaliwini River, Surinam. Holotype: RMNH 25471 (largest specimen, if not separated).

Distribution: Corantijn River basin, upstream first cataracts, Suriname (Weber, 2003).

Hypostomus crassicauda Boeseman, 1968

Hypostomus crassicauda Boeseman, 1968: 42, pl. 17 (fig. 1). Type locality: Sipaliwini River, Surinam. Holotype: RMNH 25489.

Distribution: Upper Sipaliwini River basin, Suriname (Weber, 2003).

Hypostomus derbyi (Haseman, 1911)

Plecostomus derbyi Haseman, 1911b: 384, pl. 79. Type locality: Porto União da Victoria [Iguaçu River basin, Brazil]. Holotype: FMNH 54246.

Distribution: Iguaçu River and Uruga-í Creek basins, Paraguayan tributaries of Paraná River, (Weber, 2003).

Remarks: Redescribed in Gomez *et al.* (1990) from Argentina.

Hypostomus dlouhyi Weber, 1985

Hypostomus dlouhyi Weber, 1985: 956, fig. 1 (middle). Type locality: système du Rio Paraná, sur un bras du lac de retenue du Rio Yguazú [*non* Iguaçu, Brésil] à la hauteur de la localité Juan E. O'Leary, 55°20' Ouest, 25°25'30" Sud, Paraguay, dép. Alto Parana. Holotype: MHNG 2229.43.

Distribution: Yguazú River basin in middle Paraná River drainage, Paraguay (Weber, 2003).

Hypostomus eptingi (Fowler, 1941)

Chaetostomus eptingi Fowler, 1941a: 158, figs. 66–68. Type locality: Forteleza, Ceará [Brazil]. Holotype: ANSP 69447.

Distribution: Coastal drainages of northern Brazil (Weber, 2003).

Hypostomus ericae Hollanda Carvalho & Weber, 2004

Hypostomus ericae Hollanda Carvalho & Weber, 2004: 955, fig. 5. Type locality: Brazil: Goiás: Tocantins River basin: Rio Tocantins, Porto Alfreidinho, 14°02' 22.1"S, 48°31'28.6"W. Holotype: MNRJ 27861.

Distribution: Upper Tocantins River basin, Brazil (Hollanda Carvalho & Weber, 2004).

Remarks: Included in *Hypostomus cochliodon* group by Hollanda Carvalho & Weber (2004).

Hypostomus ericius Armbruster, 2003

Hypostomus ericius Armbruster, 2003a: 25, fig. 9. Type locality: Peru. Amazonas: Río Marañon dr. 1 km upstream from Caterpiza. Holotype: MUSM 17441.

Distribution: Marañon, Itaya, and Nanay Rivers, Upper Amazon River basin, Peru (Armbruster, 2003a).

Remarks: Included in the *Hypostomus cochliodon* species group by Armbruster (2003a).

Hypostomus fluviatilis (Schubart, 1964)

Plecostomus fluviatilis Schubart, 1964b: 7, figs. 1–4. Type locality: Corrego da Lazica, perto de Ouro Fino (MG); Cachoeira do Espreadado, no alto Mogi Guaçu, acima do Soledade, Ouro Fino (MG); Alto Mogi Guaçu, 5 km jusante de Inconfidentes (mun. Ouro Fino, MG). Syntypes: Whereabouts unknown, not found (Weber, 2003).

Distribution: Grande River basin, Brazil (Weber, 2003).

Hypostomus fonchii Weber & Montoya-Burgos, 2002

Hypostomus fonchii Weber & Montoya-Burgos, 2002: 357, fig. 3 (b). Type locality: Peru: Ucayali: Quebrada John, lower part, near mouth in the Rio Pauya, in shallow water with emerging rocks, 06° 36' 7.0"S/75°56'26.3"W (GPS), alt. 360 m., Rio Cushabatay drainage, Rio Ucayali basin (Station 1). Holotype: MHNG 2613.66.

Distribution: Cushabatay River basin, Peru (Weber, 2003).

Hypostomus francisci (Lütken, 1874)

Plecostomus francisci Lütken, 1874c: 30. Type locality: in flumine Sti. Francisci [=São Francisco River, Brazil].

Holotype: ZMUC P 30171. Originally proposed as *Pl. francisci*.

Distribution: Upper São Francisco River basin, Brazil (Weber, 2003).

Hypostomus garmani (Regan, 1904)

Plecostomus garmani Regan, 1904b: 214, pl. 10 (fig. 1). Type locality: Rio das Velhas, Eastern Brazil. Holotype: BMNH 1904.1.28.3.

Distribution: São Francisco River basin, Brazil (Weber, 2003).

Hypostomus goyazensis (Regan, 1908)

Plecostomus goyazensis Regan, 1908f: 798, fig. 207(a). Type locality: Goyaz [Brazil]. Holotype: BMNH 1889.11.14.49.

Distribution: Upper Araguaia River basin, Brazil (Weber, 2003).

Hypostomus gymnorhynchus (Norman, 1926)

Plecostomus gymnorhynchus Norman, 1926b: 95. Type locality: Iponcin Creek, into Approuague River, French Guiana. Holotype: BMNH 1926.3.2.745.

Distribution: Guianan coastal drainages, from Oyapock westward to Maroni basin, French Guiana (Weber, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 254).

Hypostomus hemicochliodon Armbruster, 2003

Hypostomus hemicochliodon Armbruster, 2003a: 29, fig. 12. Type locality: Peru. Amazonas: Río Nanay, Río Amazonas dr. at Pampa Chica, 4.54 km from Iquitos center, 269° bearing, 03°45'07"S, 73°16'59"W. Holotype: MUSM 17442.

Distribution: Marañon, Itaya, and Nanay, Orosa and Napo Rivers, Upper Amazon River basin, Negro, Tapajos and Xingu Rivers of Brazil, and Orinoco River basin, (Armbruster, 2003a).

Remarks: Included in the *Hypostomus cochliodon* species group by Armbruster (2003a).

Hypostomus hemiurus (Eigenmann, 1912)

Plecostomus hemiurus Eigenmann, 1912b: 224, fig. 34, pl. 25 (fig. 1). Type locality: Amatuk [Potaro River], British Guiana. Holotype: FMNH 53110.

Distribution: Coastal drainages of Guyana (Weber, 2003).

Remarks: Appeared first as name only in Eigenmann (1910: 407).

Hypostomus hermanni (Ihering, 1905)

Plecostomus Hermanni Ihering, 1905: 560. Type locality: Rio Piracicaba, São Paulo, Brazil. Holotype: BMNH 1905.6.9.5.

Distribution: Tietê River basin, Brazil (Weber, 2003).

Hypostomus hondae (Regan, 1912)

Plecostomus hondae Regan, 1912b: 666, pl. 76 (fig. 3). Type locality: Honda, Colombia (300–400 ft.). Syntypes: BMNH 1909.7.23.43–44 (2).

Cochliodon pospisili Schultz, 1944c: 312, pl. 11 (figs. c–d). Type locality: Rio Palmar near Totuma, about 100 km. southwest of Maracaibo, Venezuela. Holotype: USNM 121003.

Distribution: Magdalena River and Lake Maracaibo basins (Weber, 2003); also Sinú and Atrato basins (Armbruster, 2003a).

Remarks: Redescribed in Lilyestrom (1984) and Armbruster (2003a); included by Armbruster in the *Hypostomus cochliodon* species group.

Hypostomus hoplonites Rapp Py-Daniel, 1988

Hypostomus hoplonites Rapp Py-Daniel, 1988: 14, fig. 2(6). Type locality: Brasil: Amazon (Rio Solimões, complexo de lagos do Janauacá). Holotype: INPA 109.2.

Distribution: Middle Amazon basin, Brazil (Weber, 2003).

Hypostomus iheringii (Regan, 1908)

Plecostomus iheringii Regan, 1908f: 795, pl. 47 (fig. 1). Type locality: Rio Piracicaba, San Paulo, Brazil. Holotype: BMNH 1907.7.6.13.

Distribution: Tietê River basin, Brazil (Weber, 2003).

Hypostomus interruptus (Miranda Ribeiro, 1918)

Plecostomus interruptus Miranda Ribeiro, 1918d: 632. Type locality: Rio Juquiá [Brazil]. Holotype: MZUSP 2110.

Distribution: Ribeira de Iguape River basin, Brazil (Weber, 2003; Oyakawa *et al.*, 2005).

Remarks: Type locality interpreted by Britski (1969: 209) as rio Juquiá, Poço Grande, Estado de São Paulo, Brazil.

Hypostomus isbrueckeri Reis, Weber & Malabarba, 1990

Hypostomus isbrueckeri Reis, Weber & Malabarba, 1990: 752, fig. 22. Type locality: Rio Conceição, Ijuí, Rio Grande do Sul, Brazil. Holotype: MCP 10488.

Distribution: Middle and upper Uruguay River basin, Brazil (Weber, 2003).

Hypostomus jaguribensis (Fowler, 1915)

Plecostomus jaguribensis Fowler, 1915b: 264, fig. 3. Type locality: Rio Jaguaribé at Barro Alto, Brazil. Holotype: ANSP 39930.

Distribution: Jaguaribe River basin, Brazil (Weber, 2003).

Hypostomus johnii (Steindachner, 1877)

Plecostomus Johnii Steindachner, 1877b: 691. Type locality: Rio Puty und Rio Preto [Brazil]. Syntypes: MCZ 7831 (1), MCZ 7863 (4), MCZ 7864 (2), NMW 44191 (2), NMW 44192 (2), NMW 44193 (2).

Distribution: Parnaíba and São Francisco River basins (Weber, 2003).

Hypostomus laplatae (Eigenmann, 1907)

Plecostomus laplatae Eigenmann, 1907: 450, pl. 21 (fig. 1). Type locality: Buenos Aires [Argentina]. Holotype: at Princeton Univ.

Plecostomus taeniatus Regan, 1908d: 358. Type locality: Río La Plata, Argentina. Syntypes: BMNH 1908.8.29.17 (1), ZMB 16817 (1).

Plecostomus rachovii Regan, 1913e: 555. Type locality: Near Rio Janeiro [Probably incorrect (Weber, 2003)]. Holotype: BMNH 1913.10.30.15.

Plecostomus commersonoides Marini, Nichols & La Monte, 1933: 3. Type locality: Dársena Norte, Buenos Aires, Argentina. Holotype: AMNH 12243.

Distribution: La Plata River basin (Weber, 2003).

Remarks: Redescribed in López & Miquelarena (1991a: 28).

Hypostomus latifrons Weber, 1986

Hypostomus latifrons Weber, 1986: 991, fig. 6 (middle). Type locality: Río Aguaray-guazú, bassin du río Paraguay système du rio Paraná, Transchaco 117 km 58°00'00" Ouest, 24°22'50" Sud, dép. Presidente Hayes, Paraguay. Holotype: MHNG 2256.67.

Distribution: Paraguay River basin, Paraguay (Weber, 2003).

Hypostomus latirostris (Regan, 1904)

Plecostomus latirostris Regan, 1904b: 213, pl. 11 (fig. 1). Type locality: River Jungada, Matto Grosso ... and from Goyaz [Brazil]. Syntypes (3): BMNH 1892.4.20.26–27 (2).

Distribution: Paraguay River basin (Weber, 2003).

Hypostomus levis (Pearson, 1924)

Rhinelepis levis Pearson, 1924: 22, pl. 5 (fig. 1). Type locality: Huachi, altitude 2,235 feet. Huachi overlooks the junction of the Bopi and Cochabamba rivers which here form the Beni, Bolivia. Holotype: CAS 77349.

Distribution: Cochabamba and Popoi Rivers, upper Beni River basin, Madeira River drainage of Bolivia (Armbruster, 2003a).

Remarks: Redescribed and placed in the *Hypostomus cochliodon* species group by Armbruster (2003a).

Hypostomus lexi (Ihering, 1911)

Plecostomus lexi Ihering, 1911: 387. Type locality: Rio Pardo, perto de Barretos (Est. S. Paulo) quasi na foz do rio que é afluente do Rio Grande, por sua vez tributario do lado esquerdo do Rio Paraná [Brazil]. Holotype: MZUSP 2126.

Distribution: Grande River basin, Brazil (Weber, 2003).

Hypostomus lima (Reinhardt, 1874)

Plecostomus lima Reinhardt, in Lütken, 1874c: 29. Type locality: in rivulis flumini Rio da Velhas affluentibus [as “Ribeirão do Mato” og andre smaa Bifloder til Rio d. Velhas, in Lütken, 1875]. Syntypes: BMNH 1876.1.10.1–2 (2), MNHN 0000-9573 (1), NMW 44194 (1), NMW 44195 (1), SMNS 2050 (1), ZMUC P 30143–ZMUC P 30148 (1 each).

Distribution: São Francisco River basin, Brazil (Weber, 2003).

Hypostomus longiradiatus (Holly, 1929)

Plecostomus longiradiatus Holly, 1929: 118. Type locality: aus dem Rio Guaná [sic, Guamá (Weber, 2003)], vermutlich einem Nebenflusse des Madeira, der selbst ein Nebenfluß des Amazonenstromes ist [...] (Brasilien). Holotype: Whereabouts unknown.

Distribution: Guamá River basin, Brazil (Weber, 2003).

Hypostomus luteomaculatus (Devincenzi 1942)

Plecostomus luteomaculatus Devincenzi, in Devincenzi & Teague, 1942: 20, pl. 3 (fig. 3). Type locality: Río Uruguay [at Paysandú, Uruguay]. Holotype: MHNM CI 359.

Distribution: Uruguay River basin, (Weber, 2003).

Hypostomus luteus (Godoy, 1980)

Plecostomus luteus Godoy, 1980: 29, fig. 15. Type locality: Rio Pelotas, Volta Grande 2, Marcelino Ramos, RS [Brazil]. Holotype: personal collection of M. Godoy.

Distribution: Upper Uruguay River basin, Brazil (Weber, 2003).

Remarks: Redescribed by Reis *et al.* (1990: 741).

Hypostomus macrophthalmus Boeseman, 1968

Hypostomus pseudohemiurus macrophthalmus Boeseman, 1968: 56, pl. 10 (fig. 1). Type locality: Sipaliwini River, near air strip, Surinam. Holotype: RMNH 25514.

Distribution: Sipaliwini River basin, Suriname (Weber, 2003).

Hypostomus macrops (Eigenmann & Eigenmann, 1888)

Plecostomus macrops Eigenmann & Eigenmann, 1888b: 170. Type locality: Rio das Velhas [Brazil]. Holotype: MCZ 7888. Name made available by diagnostic features in key on p. 170.

Distribution: Das Velhas River basin, Brazil (Weber, 2003).

Hypostomus macushi Armbruster & de Souza, 2005

Hypostomus macushi Armbruster & de Souza, 2005: 3, fig. 1. Type locality: Guyana, Rupunini (Region 9). Ireng River, 6.9 km WW Karasabai, Takutu River – Negro River drainage, 04.01957°, – 059.60170°. Holotype: UG/CSBD 11047.

Distribution: Lower and middle Rupunini River, Essequibo River, Takutu River and Ireng River, Guyana (Armbruster & de Souza, 2005).

Remarks: Placed into the *Hypostomus cochliodon* species group by Armbruster & de Souza (2005).

Hypostomus margaritifer (Regan, 1908)

Plecostomus margaritifer Regan, 1908f: 796, pl. 47 (fig. 2). Type locality: Rio Piracicaba, San Paulo, Brazil. Holotype: BMNH 1907.7.6.14.

Plecostomus margaritifer butantanis Ihering, 1911: 394. Type locality: no Rio Pinheiros, perto de São Paulo (Capital) [Brazil]. Holotype: possibly at MZUSP, but not found.

Distribution: Upper and middle Paraná River basin, (Weber, 2003).

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

Plecostomus meleagris Marini, Nichols & La Monte, 1933: 4. Type locality: Southeastern Brazil [apparently in upper Paraná drainage]. Holotype: AMNH 12246.

Distribution: Upper and Middle Paraná River basin (Weber, 2003).

Hypostomus micromaculatus Boeseman, 1968

Hypostomus micromaculatus Boeseman, 1968: 49, 77 [addendum], pl. 7 (figs. 1–4). Type locality: Mamadam (falls), Surinam River, Surinam. Holotype: RMNH 25487 (largest specimen).

Distribution: Upper and middle Suriname River basin, Suriname (Weber, 2003).

Hypostomus microstomus Weber, 1987

Hypostomus microstomus Weber, 1987: 275, fig. 2 (middle). Type locality: système du río Paraná, río Alto-Paraná, Paraguay, dpt Itapua, 15 km SE Encarnacion, Campichuelo, 55°45' Ouest, 27°26' Sud. Holotype: MHNG 2367.90.

Distribution: Middle Paraná River basin (Weber, 2003).

Hypostomus mutuae Knaack, 1999

Hypostomus mutuae Knaack, 1999b: 102, fig. p. 102, Type locality: Brazil, Mato Grosso, rio Mutuca. Holotype: MCP 28669.

Distribution: Cuiabá River basin, Brazil (Weber, 2003).

Hypostomus myersi (Gosline, 1947)

Plecostomus myersi Gosline, 1947: 116, pl. 5 (fig. 9). Type locality: Rio Iguaçú at Porto União, State of Paraná [Brazil]. Holotype: MNRJ 4251.

Distribution: Iguaçú River and Uruga-í Creek basins, Brazil (Weber, 2003); Argentina (Gomez *et al.*, 1990).

Remarks: Redescribed in Gomez *et al.* (1990) from Argentina.

Hypostomus nematopterus Isbrücker & Nijssen, 1984

Hypostomus nematopterus Isbrücker & Nijssen, 1984c: 9, fig. 1 (middle). Type locality: French Guyana, Alikene Creek, left bank tributary to Camopi River, Oyapock river system. Holotype: IRSNB 689.

Distribution: Oyapock River basin, French Guiana; known only from the types (Weber, 2003).

Hypostomus niceforoi (Fowler, 1943)

Hemiancistrus niceforoi Fowler, 1943a: 250, figs. 32–35. Type locality: Florencia, Río Ortegusa, Colombia. Holotype: ANSP 70511.

Distribution: Upper Japurá River basin, Colombia (Weber, 2003).

Hypostomus nickeriensis Boeseman, 1969

Hypostomus nickeriensis Boeseman, 1969: 125, fig. 4a. Type locality: Stondansie Falls, Nickerie River, Surinam. Holotype: ZMA 105.765.

Distribution: Upper Nickerie River basin, Suriname (Weber, 2003).

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

Plecostomus niger Marini, Nichols & La Monte, 1933: 4. Type locality: Southeastern Brazil. Holotype: AMNH 12245.

Distribution: Rivers of southeastern Brazil; known only from holotype (Weber, 2003).

Hypostomus nigromaculatus (Schubart, 1964)

Plecostomus nigromaculatus Schubart, 1964b: 2, fig. 2. Type locality: Rio Mogi Guaçu, Cachoeira de Emas, na região da corredeira (topava) (Mun. Pirassununga, Est. São Paulo) [Brazil]. Holotype: EEBP 304 (whereabouts unknown).

Distribution: Upper and middle Paraná River basin, Brazil (Weber, 2003).

Hypostomus nudiventris (Fowler, 1941)

Plecostomus nudiventris Fowler, 1941a: 147, figs. 44–46. Type locality: Rio Choró, Ceará, near Forteleza [Brazil]. Holotype: ANSP 69402.

Distribution: Coastal drainages of northern Brazil (Weber, 2003).

Hypostomus occidentalis Boeseman, 1968

Hypostomus gymnorhynchus occidentalis Boeseman, 1968: 47, pl. 6 (figs. 1–4). Type locality: Surinam River near Brokopondo, Surinam. Holotype: RMNH 25520.

Distribution: Suriname River basin, Suriname (Weber, 2003).

Hypostomus oculus (Fowler, 1943)

Panaque oculus Fowler, 1943a: 256, figs. 48–51. Type locality: Florencia, Rio Ortegusa, Colombia. Holotype: ANSP 70518.

Distribution: Marañon, Napo, and Ortegusa River basins, upper Amazon drainage (Armbruster, 2003a); upper Japurá River basin, Colombia (Weber, 2003).

Remarks: Redescribed in Armbruster (2003a) and placed in the *Hypostomus cochliodon* species group.

Hypostomus pagei Armbruster, 2003

Hypostomus pagei Armbruster, 2003a: 41, figs. 14 b, 18. Type locality: Venezuela, Yaracuy, Rio Tupe, Rio Aroa dr. ca. 12 km N Aroa on Highway 3; 10°30'31"N, 68°52'55"W. Holotype: MCNG 24696.
Distribution: Aroa, Tocuyo and Yaracuy River basins, Caribbean drainage, Venezuela (Armbruster, 2003a).
Remarks: Included in the *Hypostomus cochliodon* species group by Armbruster (2003a) .

***Hypostomus pantherinus* Kner, 1854**

Hypostomus pantherinus Kner, 1854: 267. Type locality: Rio Guaporé, ohne nähere Angaben [Brazil]. Holotype: NMW 44206. Originally proposed as *Hyp. pantherinus*.
Distribution: Madeira River basin, Brazil; known only from holotype (Weber, 2003).

***Hypostomus papariae* (Fowler, 1941)**

Plecostomus plecostomus papariae Fowler, 1941a: 145, figs. 41–43. Type locality: Lago Papary, Rio Grande do Norte [Brazil]. Holotype: ANSP 69398.
Distribution: Grande do Norte River basin, Brazil (Weber, 2003).

***Hypostomus paranensis* Weyenbergh, 1877**

Hypostomus paranensis Weyenbergh, 1877: 9. Type locality: las lagunas al rededor de Sante Fe [Argentina]. Syntypes: Whereabouts unknown.
Plecostomus cordovae Günther, 1880a: 11. Type locality: Cordova [Argentina]. Holotype: BMNH 1878.4.4.1.
Distribution: Bermejo, Dulce, Uno, Secundo and middle Paraná River basins (Weber, 2003).
Remarks: *Hypostomus paranensis* Weyenbergh treated as *nomen oblitum* by Weber (2003), without explanation.

***Hypostomus paucimaculatus* Boeseman, 1968**

Hypostomus paucimaculatus Boeseman, 1968: 52, pl. 8 (fig. 1). Type locality: Surinam River, near Brokopondo, Surinam. Holotype: RMNH 25468.
Distribution: Upper and middle Suriname River basin, Suriname (Weber, 2003).

***Hypostomus paucipunctatus* Hollanda Carvalho & Weber, 2004**

Hypostomus paucipunctatus Hollanda Carvalho & Weber, 2004: 962, fig. 7. Type locality: Brazil: Pará: municipality of Caldeirão, Itacaiúnas River, Igarapé Pojuca, Serra dos Carajás (5°52'S, 50°32'W, coordinates of Itacaiúnas River, near Castanhal). Holotype: MZUSP 82271.
Distribution: Itacaiúnas River basin, Pará, Brazil (Hollanda Carvalho & Weber, 2004).
Remarks: Included in *Hypostomus cochliodon* species group by Hollanda Carvalho & Weber (2004).

***Hypostomus paulinus* (Ihering, 1905)**

Plecostomus paulinus Ihering, 1905: 560. Type locality: Rio Piracicaba, São Paulo, Brazil. Holotype: BMNH 1905.6.9.4.
Distribution: Tietê River basin, Brazil, Paraná River basin, Paraguay (Weber, 2003).

***Hypostomus piratatu* Weber, 1986**

Hypostomus piratatu Weber, 1986: 987, fig. 3 (middle). Type locality: Bras intermittent du Río Tebicuary, bassin du rio Paraguay, systeme du Río Paraná; Sapucái, dép. Paraguari, Paraguay. Holotype: MHNG 2265.03.
Distribution: Eastern Paraguay River tributaries, Paraguay (Weber, 2003).

***Hypostomus plecostomoides* (Eigenmann, 1919)**

Cochliodon plecostomoides Eigenmann, 1919a: 133. Type locality: Quebrada Cramalote, Villavicencio [Colombia]. Holotype: CAS 82501 [lost in mail (Eschmeyer *et al.*, 1998)]. Also described as new in Eigenmann (1922b: 225, pl. 11, figs. 1–3).
Distribution: Orinoco River basin and Tuy River and Valencia Lake basins of Venezuela (Armbruster, 2003a).
Remarks: Redescribed in Lilyestrom (1984) and Armbruster (2003a); placed by Armbruster in *Hypostomus cochliodon* species group.

***Hypostomus plecostomus* (Linnaeus, 1758)**

Acipenser plecostomus Linnaeus, 1758: 238. Type locality: India [probably Suriname]. Syntypes: NRM 32 (3, of which one is illustrated in Linnaeus (1754: pl. 28, fig. 4)), and specimen also illustrated in Gronovius (1754: 24, pl. 3, figs. 1–2).
Hypostomus guacari La Cepède, 1803: 144, 145, pl. 4 (fig. 2). Type locality: Les rivieres de l'Amérique. Syntypes: Based on numerous literature sources, including account of *Acipenser plecostomus* Linnaeus, 1758; therefore syntypes of that species are also syntypes of this one.

Loricaria flava Shaw, 1804: 38, pl. 101. Type locality: Indian Seas. Based on numerous literature sources, including account of *Acipenser plecostomus* Linnaeus, 1758; therefore syntypes of that species are also syntypes of this one.

Plecostomus bicirrosus Gronow, in Gray, 1854: 158. Type locality: Americis Meridionali fluminibus. Holotype or syntype: Specimen illustrated in Gronovius (1754: 24, pl. 3, figs. 1–2).

Plecostomus brasiliensis Bleeker, 1862 (in Bleeker, 1862–63): 2. Type locality: [not stated]. Based on description of *Hypostomus plecostomus* in Cuvier & Valenciennes (1840). Described in more detail in Bleeker (1864: 7), with localities listed as follows: Surinam, Mejico, Cujaba, Chili. Boeseman (1968: 38) designated a lectotype, RMNH 3102, but its validity needs to be clarified, as it was apparently based on the description in Bleeker (1864) and not the earlier paper.

Distribution: Coastal drainages of the Guianas (Weber, 2003).

Remarks: Proposed neotype designations for *Acipenser plecostomus* and *Hypostomus guacari* (RMNH 18240 for both names) in Boeseman (1968: 11) are invalid inasmuch as the NRM syntypes are still extant.

***Hypostomus pseudohemiurus* Boeseman, 1968**

Hypostomus pseudohemiurus Boeseman, 1968: 54, pl. 9 (fig. 1). Type locality: Kabalebo River, Corantijn River basin, Surinam. Holotype: RMNH 25516 (largest specimen).

Distribution: Corantijn River basin, Suriname (Weber, 2003).

***Hypostomus punctatus* Valenciennes, 1840**

Hypostomus punctatus Valenciennes, in Cuvier & Valenciennes, 1840b: 493 (364 in Strasbourg deluxe edition).

Type locality: Rio-Janéiro. Holotype: at MNHN, but not found by Weber (2003).

Distribution: coastal drainages of southeastern Brazil (Weber, 2003).

***Hypostomus puserum* (Starks, 1913)**

Plecostomus puserum Starks, 1913: 36, pl. 6. Type locality: at Ceará Mirim [Brazil]. Holotype: SU 22225.

Distribution: coastal drainages of northern Brazil (Weber, 2003).

***Hypostomus pyrineusi* (Miranda Ribeiro, 1920)**

Cochliodon pyrineusi Miranda Ribeiro, 1920: 9, pls. 3& 4. Type locality: provavelmente Jamary [Brazil]. Holotype: MNRJ 863.

Distribution: Madeira, Napo, Ucayali, Marañon and upper Amazon River basins (Armbruster, 2003a).

Remarks: Redescribed and included in *Hypostomus cochliodon* species group in Armbruster (2003a).

***Hypostomus regani* (Ihering, 1905)**

Plecostomus regani Ihering, 1905: 558. Type locality: Rio Piracicaba, São Paulo, Brazil. Lectotype: BMNH 1905.6.7.2, designated by Reis *et al.* (1990: 745).

Distribution: Paraná, Paraguay and Uruguay River basins (Weber, 2003).

Remarks: Redescribed by Reis *et al.* (1990: 745).

***Hypostomus robinii* Valenciennes, 1840**

Hypostomus Robinii Valenciennes, in Cuvier & Valenciennes, 1840b: 501 (370 in Strasbourg deluxe edition). Type locality: de la Trinité [...] des affluens da la Plata [restricted to La Trinité by lectotype designation]. Lectotype: MNHN a-9569, designated by Boeseman (1968: 36).

Distribution: Trinidad Island, Trinidad and Tobago (Weber, 2003).

***Hypostomus rondoni* (Miranda Ribeiro, 1912)**

Plecostomus rondoni Miranda Ribeiro, 1912: 6. Type locality: S. Manoel— Rio Tapajós [Brazil]. Holotype: MNRJ 741. Specific name spelled *Plecostomus rondini* in heading of account, but corrected in attached printed corrigendum.

Distribution: Tapajós River basin, Brazil (Weber, 2003).

***Hypostomus roseopunctatus* Reis, Weber & Malabarba, 1990**

Hypostomus roseopunctatus Reis, Weber & Malabarba, 1990: 756, figs. 2, 26. Type locality: Rio Pelotas at road from Esmeralda to Anita Garibaldi, Rio Grande do Sul, Brazil. Holotype: MCP 12239.

Distribution: Uruguay River basin, (Weber, 2003).

***Hypostomus saramaccensis* Boeseman, 1968**

Hypostomus saramaccensis Boeseman, 1968: 58, pl. 2 (fig. 1). Type locality: Feddiprati (rapids), middle Saramacca

River, Surinam. Holotype: RMNH 25488 (largest).

Distribution: Coastal drainages of Suriname (Weber, 2003).

Hypostomus scabriceps (Eigenmann & Eigenmann, 1888)

Plecostomus commersonii scabriceps Eigenmann & Eigenmann, 1888b: 168. Type locality: Sao Matheos [Brazil].

Syntypes: MCZ 7894 (2), BMNH 1904.1.28.2 (1). Name made available from characters in key on p. 168.

Distribution: São Mateus River basin, Brazil (Weber, 2003).

Hypostomus scaphyiceps (Nichols, 1919)

Plecostomus scaphyiceps Nichols, 1919a: 425. Type locality: Cerqueira Cezar, Estado de São Paulo [Brazil]. Holotype: AMNH 7152. Name spelled *Plecostomus scaplyiceps* on p. 416 [in Portuguese portion of original description].

Distribution: Paranapanema River basin, Brazil (Weber, 2003).

Remarks: Fowler (1954: 194) acted as first reviser and selected *Plecostomus scaphyiceps* as the valid name for this species.

Hypostomus sculpodon Armbruster, 2003

Hypostomus sculpodon Armbruster, 2003a: 49, fig. 21. Type locality: Venezuela, Amazonas, Río Casiquiare, Río Negro dr., Departamento Río Negro, at Piedra Carguana (at second camp, left descending bank of river in portion of river between mouths of Río Siapa and Río Pasimoni), 01°58.611'N, 66°32.359'W. Holotype: MCNG 37042.

Distribution: Upper Negro and upper Orinoco River basins, Venezuela (Armbruster, 2003a).

Remarks: Included in the *Hypostomus cochliodon* species group by Armbruster (2003a).

Hypostomus seminudus (Eigenmann & Eigenmann, 1888)

Plecostomus seminudus Eigenmann & Eigenmann, 1888b: 169. Type locality: Brazil (?). Holotype: MCZ 28981. Name available from description in key on p. 169.

Distribution: Probably Brazil; known only from holotype (Weber, 2003).

Hypostomus simios Hollanda Carvalho & Weber, 2004

Hypostomus simios Hollanda Carvalho & Weber, 2004: 967, fig. 9. Type locality: Brazil: Amapá: bridge on the road to Serra do Navio, Cupixi river. Holotype: MZUSP 82268.

Distribution: Cupixi River basin, Amapá, Brazil (Hollanda Carvalho & Weber, 2004).

Remarks: Included in *Hypostomus cochliodon* species group by Hollanda Carvalho & Weber (2004).

Hypostomus sipaliwinii Boeseman, 1968

Hypostomus sipaliwinii Boeseman, 1968: 60, pl. 12 (fig. 1). Type locality: Sipaliwini River, upper Corantijn River basin, Surinam. Holotype: RMNH 25481 (larger specimen).

Distribution: Upper Corantijn River basin, Suriname (Weber, 2003).

Hypostomus soniae Hollanda Carvalho & Weber, 2004

Hypostomus soniae Hollanda Carvalho & Weber, 2004: 965, fig. 8. Type locality: Brazil: Pará: temporary pools on the river sides of the Rio Tapajós, between Vila Nova and Urua. Holotype: MZUSP 82272.

Distribution: Tapajós River basin, Pará, Brazil (Hollanda Carvalho & Weber, 2004).

Remarks: Included in *Hypostomus cochliodon* species group by Hollanda Carvalho & Weber (2004).

Hypostomus strigaticeps (Regan, 1908)

Plecostomus strigaticeps Regan, 1908f: 796, pl. 48 (fig. 1). Type locality: Rio Piracicaba, San Paulo, Brazil. Syntypes: BMNH 1907.7.6.10–12 (2 or 3).

Distribution: Tietê River basin, Brazil (Weber, 2003).

Hypostomus subcarinatus Castelnau, 1855

Hypostomus subcarinatus Castelnau, 1855: 42, p. 21 (fig. 1). Type locality: des rivières de la province des Mines [Brazil]. Holotype: MNHN a-9575.

Distribution: Coastal drainages of eastern Brazil, possibly including São Francisco River basin (Weber, 2003).

Hypostomus surinamensis Boeseman, 1968

Hypostomus surinamensis Boeseman, 1968: 61, pl. 13 (fig. 1). Type locality: Surinam River near Brokopondo, Surinam. Holotype: RMNH 25497 (larger specimen).

Distribution: Suriname River basin, Suriname (Weber, 2003).

Hypostomus tapanahoniensis Boeseman, 1969

- Hypostomus gymnorhynchus tapanahoniensis* Boeseman, 1969: 129, figs. 5 (b, d). Type locality: Upper Tapanahoni River, Surinam. Holotype: RMNH 25476. Originally proposed as *H. gymnorhynchus tapanahoniensis*.
Distribution: Maroni River basin (Weber, 2003).
- Hypostomus taphorni*** (Lilyestrom, 1984)
Cochliodon taphorni Lilyestrom, 1984: 43, fig. 8. Type locality: Río Botanamo, cerca del puente en la vía a Bochínche, Edo, Bolívar, Venezuela. Holotype: MCNG 8084.
Distribution: Cuyuni River basin, Essequibo drainage, Venezuela (Armbruster, 2003a), Rupununi River and Takutu River basins, Guyana (Armbruster & de Souza, 2005).
Remarks: Redescribed and included in *Hypostomus cochliodon* species group in Armbruster (2003a).
- Hypostomus tapijara*** Oyakawa, Akama & Zanata, 2005
Hypostomus tapijara Oyakawa, Akama & Zanata, 2005: 19, fig. 7. Type locality: Brazil: São Paulo, rio Catas Altas, Ribeira. Holotype: MZUSP 55204.
Distribution: Ribeira de Iguape River basin, Brazil (Oyakawa *et al.*, 2005).
- Hypostomus ternetzi*** (Boulenger, 1895)
Plecostomus ternetzi Boulenger, 1895b: 525. Type locality: Paraguay. Holotype: BMNH 1895.5.17.64; holotype illustrated in Boulenger (1896c: pl. 5).
Distribution: Middle Paraná, Paraguay, and Uruguay River basins (Weber, 2003).
- Hypostomus tietensis*** (Ihering, 1905)
Plecostomus tietensis Ihering, 1905: 559. Type locality: Rio Tietê, São Paulo, Brazil. Holotype: BMNH 1905.6.9.1.
Distribution: Tietê River basin, Brazil (Weber, 2003).
- Hypostomus topavae*** (Godoy, 1969)
Plecostomus topavae Godoy, 1969: 176, fig. 1. Type locality: na região da topava [...] Cachoeira de Emas, Rio Mogi Guassu, Estado de São Paulo, Brasil. Holotype: EEBP 315a.
Distribution: Grande River basin, Brazil; known only from holotype (Weber, 2003).
- Hypostomus unae*** (Steindachner, 1878)
Plecostomus Unae Steindachner, 1878b: 383. Type locality: Rio Una (südlich von Bahia) [Brazil]. Syntypes: BMNH 1862.11.23.12 (1), NMW 44259 (4).
Distribution: Una River basin in Bahia State, Brazil (Weber, 2003).
Remarks: This name was based on descriptions of *Plecostomus Robinii* (not Valenciennes) in Günther (1864: 236) and Steindachner (1877b: 676).
- Hypostomus uruguayensis*** Reis, Weber & Malabarba, 1990
Hypostomus uruguayensis Reis, Weber & Malabarba, 1990: 760, fig. 30. Type locality: Rio Uruguay at “Rancho da Amizade”, São Borja, Rio Grande do Sul, Brazil. Holotype: MCP 11874.
Distribution: Uruguay River basin (Weber, 2003).
- Hypostomus vaillanti*** (Steindachner, 1877)
Plecostomus Vaillanti Steindachner, 1877c: 225. Type locality: Rio Preto [at Villa de Santa Rita, Bahia, Brazil]. Syntypes: MCZ 7842 (2), NMW 44273 (1), NMW 44276 (3), NMW 44277 (1).
Distribution: Preto River basin of São Francisco River drainage, Brazil (Weber, 2003).
- Hypostomus variipictus*** (Ihering, 1911)
Plecostomus variipictus Ihering, 1911: 390. Type locality: Rio Pardo, perto de Barretos, Estado de São Paulo, quasi em sua foz no Rio Grande, tributario do lado esquerdo do Rio Paraná, Brazil. Holotype: MZUSP 2114.
Distribution: Grande River basin, Brazil (Weber, 2003).
- Hypostomus varimaculosus*** (Fowler, 1945)
Plecostomus varimaculosus Fowler, 1945a: 113, fig. 14–16. Type locality: Morelia, Río Caquetá drainage, Colombia. Holotype: ANSP 71707.
Distribution: Upper Japurá River basin, Upper Amazon drainage of Brazil and Colombia (Weber, 2003).
- Hypostomus variostictus*** (Miranda Ribeiro, 1912)
Plecostomus variostictus Miranda Ribeiro, 1912: 6. Type locality: Coxim, M[ato] Grosso [Brazil]. Holotype: MNRJ 1072.
Distribution: Upper Paraguay River basin, Brazil; only known from holotype (Weber, 2003).

Hypostomus ventromaculatus Boeseman, 1968

Hypostomus ventromaculatus Boeseman, 1968: 65, pl. 15 (fig. 1). Type locality: Surinam River between Afobaka and Brokopondo, Surinam. Holotype: RMNH 25507.

Distribution: Coastal drainages of northern South America from Oyapock River to Suriname River (Weber, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 256).

Hypostomus vermicularis (Eigenmann & Eigenmann, 1888)

Plecostomus vermicularis Eigenmann & Eigenmann, 1888b: 171. Type locality: Rio Parahyba; Rio Janeiro; Mendez; Macacos, Goiás [Brazil]. Syntypes (37, 8–30 cm): BMNH 1904.1.28.4–5 (2), MCZ 7814 (1), MCZ 7848 (12), MCZ 7849 (1), MCZ 7850 (4), MCZ 7851 (1), MCZ 7857 (1), MCZ 91352 (12), NMW 44279 (1), USNM 123010 (3).

Distribution: Coastal drainages of eastern Brazil (Weber, 2003).

Remarks: Type series apparently mixed (Weber, 2003), and in need of a lectotype designation to stabilize current usage.

Hypostomus waiampi Hollanda Carvalho & Weber, 2004

Hypostomus waiampi Hollanda Carvalho & Weber, 2004: 955, fig. 2. Type locality: Brazil: Amapá, bridge on the road to Serra do Navio, Cupixi river. Holotype: MZUSP 82269.

Distribution: Cupixi River, Amapá, Brazil (Hollanda Carvalho & Weber, 2004).

Remarks: Included in *Hypostomus cochliodon* species group by Hollanda Carvalho & Weber (2004).

Hypostomus watwata Hancock, 1828

Hypostomus watwata Hancock, 1828: 246. Type locality: Demerara [...] on the sea-shores [now: Berbice River, Guyana, by neotype designation]. Neotype: BMNH 1932.11.10.31; designated by, and illustrated in, Boeseman (1868: 71, pl. 16, fig. 1).

Hypostomus verres Valenciennes in Cuvier & Valenciennes, 1840b: 494 (365 in Strasbourg deluxe edition). Type locality: envoyés de Cayenne [French Guiana]. Lectotype: MNHN a-9450, designated by Boeseman (1968: 70).

Distribution: coastal drainages of northern South America from Oyapock River to Demerara River, and Venezuela (Weber, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 260).

Hypostomus winzi (Fowler, 1945)

Plecostomus winzi Fowler, 1945b: 9, figs. 4–7. Type locality: Honda, Colombia. Holotype: ANSP 71623.

Distribution: Magdalena River basin, Colombia, known only from holotype (Weber, 2003).

Hypostomus wuchereri (Günther, 1864)

Plecostomus wuchereri Günther, 1864: 235. Type locality: Bahia, Brazil. Syntypes (4): BMNH 1863.3.27.15 (1).

Distribution: Paraguaçu River basin (?), Brazil (Weber, 2003).

ISBRUECKERICHTHYS Derijst, 1996

Isbrueckerichthys Derijst, 1996: 64. Type species: *Hemipsilichthys duseni* Miranda Ribeiro, 1907. Type by original designation. Gender: Masculine.

Revision and key to species: Pereira & Reis (2002).

Isbrueckerichthys alipionis (Gosline, 1947)

Pareiorhaphis alipionis Gosline, 1947: 104. Type locality: Rio Bethary, São Paulo [Brazil]. Holotype: MNRJ 4241.

Distribution: Betari River basin, Ribeira de Iguape River drainage, Brazil (Weber, 2003).

Isbrueckerichthys duseni (Miranda Ribeiro, 1907)

Hemipsilichthys duseni Miranda Ribeiro, 1907a: 187, figure on page 187. Type locality: do Paraná ..[&]... do Ribeirão do Monjolinho, á 300 metros sobre o mar [Iporanga River, São Paulo, Brazil]. Lectotype: MNRJ 772, designated by Gosline (1947: 102).

Distribution: Upper Ribeira de Iguape River in Paraná State, Brazil (Weber, 2003).

Isbrueckerichthys epakmos Pereira & Oyakawa, 2003

Isbrueckerichthys epakmos Pereira & Oyakawa, 2003: 6, fig. 2. Type locality: Brazil. São Paulo: Tapiraí: rio Ribeira de Laguna drainage, rio Verde at Piúva, on road to Rio Verde, 23°58'22"S, 47°34'23"W. Holotype: MZUSP 79804.

Distribution: Ribeira de Iguape River basin, Brazil (Pereira & Oyakawa, 2003).

ISORINELORICARIA Isbrücker, 1980

Isorineloricaria Isbrücker, 1980: 15. Type species: *Plecostomus spinosissimus* Steindachner, 1880. Type by original designation. Gender: Feminine.

Isorineloricaria spinosissima (Steindachner, 1880)

Plecostomus spinosissimus Steindachner, 1880b: 98, pl. 5 (figs. 1, 1a). Type locality: Guayaquil [Ecuador]. Holotype: NMW 55027.

Plecostomus festae Boulenger, 1898c: 11. Type locality: Rio Vinces and Rio Peripa, Equateur. Syntypes: BMNH 1898.11.4.32 (1), ZMUT 1518 (1).

Distribution: Pacific versant rivers of Ecuador (Weber, 2003).

IXINANDRIA Isbrücker & Nijssen, 1979

Ixinandria Isbrücker & Nijssen, in Isbrücker, 1979a: 91. Type species: *Loricaria steinbachi* Regan, 1906. Type by original designation. Gender: Feminine.

Ixinandria montebelloi (Fowler, 1940)

Canthopomus montebelloi Fowler, 1940c: 55, figs. 9–11. Type locality: Monte Bello, Tarija, Bolivia. Holotype: ANSP 68832.

Distribution: Southern Bolivia.

Ixinandria steinbachi (Regan, 1906)

Loricaria steinbachi Regan, 1906a: 97. Type locality: Salta, Argentina. Lectotype: BMNH 1906.5.31.37, designated by Isbrücker (1979a: 113), and illustrated in Isbrücker (1979a: 91, figs. 1 a–c, 2, 3).

Distribution: Salado River basin, Argentina.

Remarks: Species reviewed by Ringuelet *et al.* (1967).

KRONICHTHYS Miranda Ribeiro, 1908

Kronichthys Miranda Ribeiro, 1908b: [1]. Type species: *Kronichthys subteres* Miranda Ribeiro, 1908. Type by monotypy. Gender: Masculine.

Remarks: Also described as new in Miranda Ribeiro (1908a).

Kronichthys heylandi (Boulenger, 1900)

Plecostomus heylandi Boulenger, 1900b: 165. Type locality: Mountain stream in the Province São Paulo [...] 400 feet above sea-level near Santos [Brazil]. Holotype: BMNH 1899.12.18.1.

Distribution: coastal streams of eastern Brazil, between Santos and Rio de Janeiro (Weber, 2003).

Remarks: Redescribed in Gosline (1947: 106).

Kronichthys lacerta (Nichols, 1919)

Plecostomus lacerta Nichols, 1919a: 414. Type locality: Poço Grande (Estado de São Paulo) Rio Juquia, Brazil. Holotype: AMNH 7151.

Distribution: Baía de Paranaguá basin and Ribeira de Iguape River basin, Brazil (Weber, 2003).

Remarks: Redescribed in Armbruster & Page (1997: 228).

Kronichthys subteres Miranda Ribeiro, 1908

Kronichthys subteres Miranda Ribeiro, 1908b: [2], fig. 1. Type locality: Rios Bethary, Pardo e Iporanga [Brazil]. Syntypes: MNRJ 655 (4).

Distribution: Ribeira de Iguape River basin, Brazil (Weber, 2003).

Remarks: Also described as new in Miranda Ribeiro (1908a).

LAMONTICHTHYS Miranda Ribeiro, 1939

Lamontichthys Miranda Ribeiro, P., 1939a: 12. Type species: *Harttia filamentosa* La Monte, 1935. Type by original designation. Gender: Masculine.

Revision: Isbrücker & Nijssen (1978b).

Lamontichthys filamentosus (La Monte, 1935)

Harttia filamentosa La Monte, 1935: 5, 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: AMNH 12616.

Harttia filamentissima Eigenmann & Allen, 1942: 211, pl. 8 (figs. 1–2). Type locality: Rio Huallaga [Peru]. Holotype: CAS 28541.

Distribution: Western Amazon River basin (Ferraris, 2003c).

Lamontichthys llanero Taphorn & Lilyestrom, 1984

Lamontichthys llanero Taphorn & Lilyestrom, 1984: 96, fig. 2. Type locality: Venezuela, Estado Portuguesa, Río Guanare Viejo cerca de Hoyada. Holotype: MCNG 10000.

Distribution: Guanare Viejo River basin, Orinoco River drainage, Venezuela (Taphorn & Lilyestrom, 1984).

Lamontichthys maracaibero Taphorn & Lilyestrom, 1984

Lamontichthys maracaibero Taphorn & Lilyestrom, 1984b: 94, fig. 1. Type locality: Venezuela, Estado Zulia, Distrito Miranda, Río Motatán, en el puente en Agua Viva. Holotype: MCNG 3592.

Distribution: Lake Maracaibo basin, Venezuela (Taphorn & Lilyestrom, 1984).

Lamontichthys stibaros Isbrücker & Nijssen, 1978

Lamontichthys stibaros Isbrücker & Nijssen, 1978b: 66, fig. 8. Type locality: Ecuador, Prov. Pastaza, Río Amazonas system, Río Bobonaza at Chicherota, 2°25'S, 76°38'W, altitude approximately 260–280 m., upper Río Pastaza. Holotype: USNM 167914.

Distribution: Bobonaza River basin, Ecuador (Isbrücker & Nijssen, 1978b).

LAMPIELLA Isbrücker, 2001

Lampiella Isbrücker, in Isbrücker *et al.*, 2001: 19. Type species: *Otocinclus gibbosus* Miranda Ribeiro, 1908. Type by original designation. Gender: Feminine.

Remarks: Genus created to accommodate *Otocinclus gibbosus* Miranda Ribeiro, which Schaefer (1997) removed from *Otocinclus*, but did not place elsewhere.

Lampiella gibbosa (Miranda Ribeiro, 1908)

Otocinclus gibbosus Miranda Ribeiro, 1908b: [2], figs. 2–2a. Type locality: Rio Bethary [Brazil]. Holotype: MNRJ 1048.

Distribution: Ribeira de Iguape River basin, Brazil (Schaefer, 2003c).

LASIANCISTRUS Regan, 1904

Lasiancistrus Regan, 1904b: 224. Type species: *Chaetostomus heteracanthus* Günther, 1869. Type by subsequent designation by Eigenmann (1910: 409). Gender: Masculine. Proposed originally as a subgenus of *Ancistrus* Kner.

Phylogeny: Armbruster & Provenzano (2000).

Revision: Heitmans, *et al.* (1983), Armbruster (2005).

Key to species: Armbruster (2005: 552).

Lasiancistrus caucanus Eigenmann, 1912

Lasiancistrus caucanus Eigenmann, 1912a: 11. Type locality: Cartago; the Cauca, Colombia. Holotype: FMNH 56034; holotype illustrated in Eigenmann (1922: 76, pl. 11, fig. 4).

Hemiancistrus mayoloi Eigenmann, 1912a: 10. Type locality: Istmina, San Juan River, Colombia. Holotype: FMNH 56036.

Ancistrus planiceps Meek & Hildebrand, 1913: 79. Type locality: Rio Tuyra, Boca de Cupe, Panama. Holotype: FMNH 7580.

Lasiancistrus volcanensis Dahl, 1942: 83, fig. 3. Type locality: Rio Volcán near its junction to Rio San Bartolomé ...tributary of Rio Magdalena, on the left side, between Rios Narés and Ité, municipio of Remedios, department of Antioquia, Republic of Colombia). Altitude approx. 600 m. Holotype: at ZMUL.

Distribution: Magdalena, Atrato, San Juan, Cauca, Tuyra, and Bayano River basin, Colombia and Panama (Armbruster, 2005).

Remarks: Armbruster (2005: 555) acted as first reviser in selecting *Lasiancistrus caucanus* as the valid name for the

species; Maldonado-Ocampo *et al.* (2005), however, continue to treat *Lasiancistrus mayoloi* and *L. volcanensis* as distinct species.

Lasiancistrus guacharote (Valenciennes, 1840)

Hypostomus guacharote Valenciennes, in Cuvier & Valenciennes, 1840b: 508 (375 in Strasbourg deluxe edition).

Type locality: Les eaux douces de Porto-Ricco [=Puerto Rico, in error]. Syntype: MNHN a-9567 (1).

Ancistrus mystacinus Kner, 1854: 276. Type locality: Carracas [Venezuela]. Holotype: NMW 44200. Originally as *Anc. mystacinus*.

Lasiancistrus maracaiboensis Schultz, 1944c: 314, pl. 11 (fig. a). Type locality: Río Socuy, 3 km. above its mouth. Venezuela. Holotype: USNM 121038.

Distribution: Lake Maracaibo basin, Venezuela (Armbruster, 2005).

Lasiancistrus heteracanthus (Günther, 1869)

Chaetostomus heteracanthus Günther, 1869: 425, fig. 3. Type locality: Upper Amazons, Peruvian Amazons. Holotype: BMNH 1869.5.21.3.

Distribution: Napo River, Ecuador and Peru (Armbruster, 2005).

Remarks: Type locality interpreted by Eigenmann & Eigenmann (1891: 41; see also Eigenmann & Allen 1942: 18) as Marañon River, but see different interpretation in Armbruster (2005).

Lasiancistrus saetiger Armbruster, 2005

Lasiancistrus saetiger Armbruster, 2005: 559, fig. 7. Type locality: Brazil, Pará, rio Guamá near Ourém, 1°34'07"S, 47°10'08"W. Holotype: MCP 37942.

Distribution: Guama River, Capim River basin, Brazil (Armbruster, 2005).

Lasiancistrus schomburgkii (Günther, 1864)

Hypostomus pictus Castelnau, 1855: 44, pl. 22 (fig. 2). Type locality: l'Ucayale [Peru]. Holotype: MNHN a-9573. Preoccupied in *Hemiancistrus* by *Ancistrus pictus* Kner, 1854; replaced by *Hemiancistrus castelnaui* Miranda Ribeiro, 1911.

Chaetostomus schomburgkii Günther, 1864: 245. Type locality: British Guiana. Syntypes: BMNH 1845.3.5.26–27 (2).

Hemiancistrus castelnaui Miranda Ribeiro, 1911: 58. Type locality: l'Ucayale [Peru]. Holotype: MNHN a-9573. Replacement for *Hypostomus pictus* Castelnau, 1855, which was then preoccupied in *Hemiancistrus* by *Ancistrus pictus* Kner, 1854.

Ancistrus multispinis Holly, 1929: 119. Type locality: Mercado Blèin (Brasilien). Holotype: at NMW.

Hemiancistrus caquetae Fowler, 1945a: 115, figs. 17–20. Type locality: Morelia, Río Caquetá drainage, Colombia. Holotype: ANSP 71708.

Lasiancistrus scolymus Nijssen & Isbrücker, 1985: 242, fig. 1. Type locality: Brazil, Est. Mato Grosso do Sul, Rio Aripuanã, Humboldt (10°10'S 59°27'W), Rio Madeira system. Holotype: MZUSP 26809.

Lasiancistrus guapore Knaack, 2000a: 57, figure on p. 58. Type locality: Brasilien, Mato Grosso, im Hauptstrom des Rio Guaporé im Stadtgebiet von Pontes E Lacerda; S 15°07.627', W 58°57.786'. Holotype: MCP 28678.

Distribution: Amazon, Upper Orinoco and Upper Essequibo River basins (Armbruster, 2005).

Lasiancistrus tentaculatus Armbruster, 2005

Lasiancistrus tentaculatus Armbruster, 2005: 565, fig. 9. Type locality: río Las Marias, near El Portrero, below the metal bridge. 09°05'N, 69°39'W [Venezuela]. Holotype: MCNG 19744.

Distribution: Orinoco River basin and Valencia Lake basin, Venezuela and Colombia (Armbruster, 2005).

LEPORACANTHICUS Isbrücker & Nijssen, 1989

Leporacanthicus Isbrücker & Nijssen, 1989: 544. Type species: *Leporacanthicus galaxias* Isbrücker & Nijssen, 1989. Type by original designation. Gender: Masculine.

Leporacanthicus galaxias Isbrücker & Nijssen, 1989

Leporacanthicus galaxias Isbrücker & Nijssen, 1989: 546, fig. 10. Type locality: Brasilien, Est. Pará, Rio Tocantins, Lagoa em frente a Jacobal. Holotype: MZUSP 24136.

Distribution: Southern tributaries of middle and lower Amazon, including Madeira, Tocantins and Guamá rivers; Ventuari River basin, upper Orinoco drainage (Provenzano, 1995; Fisch-Muller, 2003).

Leporacanthicus heterodon Isbrücker & Nijssen, 1989

Leporacanthicus heterodon Isbrücker & Nijssen, 1989: 547, fig. 12. Type locality: Brasilien, Est. Mato Grosso, Rio Xingú, Cachoeira von Martius, oberer Xingú. Holotype: IRSNB 693.

Distribution: Xingu River basin, Brazil (Fisch-Muller, 2003).

Leporacanthicus joselimai Isbrücker & Nijssen, 1989

Leporacanthicus joselimai Isbrücker & Nijssen, 1989: 546, fig. 11. Type locality: Brasilien, Est. Pará, Maloquinha, perta de Itaituba, Rio Tapajós. Holotype: MZUSP 21921.

Distribution: Tapajós River basin, Brazil (Fisch-Muller, 2003).

Leporacanthicus triactis Isbrücker, Nijssen & Nico, 1992

Leporacanthicus triactis Isbrücker, Nijssen & Nico, 1992: 3, fig. 3. Type locality: Venezuela, Territorio Federal Amazonas, oberer Orinoco, Caño Mavaquita etwa einen Kilometer flussaufwärts von der Mündung in den Río Mavaca, ungefähr 2°12'30"N, 65°05'30"W. Holotype: MCNG 25357.

Distribution: Upper Orinoco River basin (Fisch-Muller, 2003).

LEPTOANCISTRUS Meek & Hildebrand, 1916

Leptoancistrus Meek & Hildebrand, 1916: 254. Type species: *Acanthicus canensis* Meek & Hildebrand, 1913. Type by original designation. Gender: Masculine.

Monophyly: Schaefer (1986: 108).

Leptoancistrus canensis (Meek & Hildebrand, 1913)

Acanthicus canensis Meek & Hildebrand, 1913: 80. Type locality: Rio Cana, Cana, Darien, Panama. Holotype: FMNH 7581. Species illustrated and described in more detail by Meek & Hildebrand (1916: 254, pl. 11).

Distribution: Pacific drainages of eastern Panama; Armila River basin on Caribbean slope, Panama (Fisch-Muller, 2003).

Leptoancistrus cordobensis Dahl, 1964

Leptoancistrus cordobensis Dahl, in Dahl *et al.*, 1964: 32, unnum. plate. Type locality: río Batatal, Alto río Uré [upper San Jorge tributary, Magdalena basin, Colombia]. Holotype: Whereabouts unknown (possibly at ICN-MHN).

Distribution: Upper Sinú River basin, and upper San Jorge River basin, Magdalena River drainage, Colombia (Fisch-Muller, 2003).

LIMATULICHTHYS Isbrücker & Nijssen, 1979

Limatulichthys Isbrücker & Nijssen, in Isbrücker, 1979a: 91. Type species: *Loricaria punctata* Regan, 1904. Type by original designation. Gender: Masculine.

Limatulichthys griseus (Eigenmann, 1909)

Loricaria griseus Eigenmann, 1909a: 8. Type locality: Conawaruk [=Konawaruk, Guyana]. Holotype: FMNH 53077; holotype illustrated in Eigenmann (1912b: pl. 30, fig. 2; pl. 32, fig. 2).

Distribution: Essequibo and western Orinoco River basins (Ferraris, 2003c).

Limatulichthys petleyi (Fowler, 1940)

Loricaria punctata Regan, 1904b: 285, pl. 17 (fig. 1). Type locality: Manaos, Rio Negro, middle Amazon, and Porto do Moz, lower Amazon. Syntypes: BMNH 1893.4.24.18, and at MCZ. Preoccupied by *Loricaria punctata* Kner, 1854 [now *Pterygoplichthys punctatus*], apparently not replaced.

Rhineloricaria petleyi Fowler, 1940a: 243, figs. 36–38. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68661.

Loricariichthys parnahybae Fowler, 1941a: 161, figs. 69–71. Type locality: Rio Parnahyba, Therizina, Piauhy [Brazil]. Holotype: ANSP 69451.

Distribution: Amazon, Tocantins and Parnaíba River basins (Ferraris, 2003c).

Remarks: Recently removed from the synonymy of *Limatulichthys griseus* (Eigenmann, 1909) by Isbrücker (2001).

LIPOPTERICHTHYS Norman, 1935

Lipoptericthys Norman, 1935b: 627. Type species: *Lipoptericthys carrioni* Norman, 1935. Type by original desig-

nation. Gender: Masculine.

Monophyly: Schaefer (1986: 109).

Lipopterichthys carrioni Norman, 1935

Lipopterichthys carrioni Norman, 1935b: 628, fig. on p. 628 (top). Type locality: the Zamora River, near Loja, Ecuador. Holotype: BMNH 1933.5.29.1.

Distribution: Marañon River basin, Ecuador (Fisch-Muller, 2003).

LITHOGENES Eigenmann, 1909

Lithogenes Eigenmann, 1909a: 6. Type species: *Lithogenes villosus* Eigenmann, 1909. Type by original designation. Gender: Masculine.

Phylogenetic position: Schaefer (2003d).

Lithogenes valencia Provenzano, Schaefer, Baskin & Royero, 2003

Lithogenes valencia Provenzano, Schaefer, Baskin & Royero, 2003: 564, fig. 1. Type locality: Venezuela, Est. Carabobo, Lago de Valencia basin. Holotype: MBUCV V-30740.

Distribution: Lake Valencia basin, northern Venezuela (Provenzano *et al.*, 2003).

Lithogenes villosus Eigenmann, 1909

Lithogenes villosus Eigenmann, 1909a: 6. Type locality: Aruataima Falls, Upper Potaro. [Guyana]. Holotype: FMNH 52960; holotype illustrated in Eigenmann (1912b: pl. 26, figs. 2–4) and Schaefer (2003d: fig. 2).

Distribution: Essequibo River basin, Potaro River, Guyana.

Remarks: Redescribed in Schaefer (2003d: 8).

LITHOXUS Eigenmann, 1910

Lithoxus Eigenmann, 1910: 405. Type species: *Lithoxus lithoides* Eigenmann, 1910. Type by original designation (p. 412). Gender: Masculine. Diagnostic characters given in key in footnote.

Paralithoxus Boeseman, 1982: 46. Type species: *Ancistrus bovallii* Regan, 1906. Type by original designation. Gender: Masculine. Proposed as a subgenus of *Lithoxus*. *Paralithoides* appears in the abstract of Boeseman (1982: 41) and is treated here as an error.

Revision: Boeseman (1982), Nijssen & Isbrücker (1990)

Monophyly: Schaefer (1986: 110).

Lithoxus boujardi Muller & Isbrücker, 1993

Lithoxus boujardi Muller & Isbrücker, 1993: 72, fig. 1. Type locality: Guyane française, bassin de l'Approuague, Arataye, entre le Saut Japigny et le Saut Pararé. Holotype: MNHN 1992-1321.

Distribution: Approuague and Oyapock River basins, French Guiana (Fisch-Muller, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 242, fig.).

Lithoxus bovallii (Regan, 1906)

Ancistrus Bovallii Regan, 1906a: 96. Type locality: the Kaat River, tributary to the Treng River, Upper Potaro, British Guiana. Lectotype: BMNH 1905.11.1.43, designated by Nijssen & Isbrücker (1990: 332).

Distribution: Ireng River basin in upper Negro River drainage, Guyana (Fisch-Muller, 2003).

Remarks: Redescribed in Schindler (1996).

Lithoxus lithoides Eigenmann, 1910

Lithoxus lithoides Eigenmann, 1910: 412. Type locality: Cataracts of British Guiana. Holotype: FMNH 53557; holotype illustrated in Eigenmann (1912b: 242, pl. 29, figs. 1, 2, 4).

Distribution: Essequibo River, Guyana and upper Corantijn River basin, Suriname (Fisch-Muller, 2003).

Lithoxus pallidimaculatus Boeseman, 1982

Lithoxus (Paralithoxus) pallidimaculatus Boeseman, 1982: 50, pl. 3 (top). Type locality: Kwambaolo Creek, right tributary of Sara Creek above Dam, Suriname River system, Surinam. Holotype: RMNH 28368.

Distribution: Suriname River basin, Suriname (Fisch-Muller, 2003).

Lithoxus planquettei Boeseman, 1982

Lithoxus (Paralithoxus) planquettei Boeseman, 1982: 53, pl. 4 (top). Type locality: Crique Boulenger, Comté system, French Guyana. Holotype: RMNH 28304 (1 of 3).

Distribution: Atlantic coastal drainages from Maroni to Kaw River basins, French Guiana (Fisch-Muller, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 244).

Lithoxus stocki Nijssen & Isbrücker, 1990

Lithoxus stocki Nijssen & Isbrücker, 1990: 329, fig. 2. Type locality: Marouini River, downstream of village Epoia, French Guiana. Holotype: IRSNB 639.

Distribution: Maroni and Mana River basins, French Guiana (Fisch-Muller, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 246).

Lithoxus surinamensis Boeseman, 1982

Lithoxus (Paralithoxus) surinamensis Boeseman, 1982: 54, pl. 5 (top). Type locality: near Awaradam, Gran Rio, upper Suriname River system, Surinam. Holotype: RMNH 28361 (largest specimen).

Distribution: Gran Rio River basin in upper Suriname River drainage, Suriname (Fisch-Muller, 2003).

LORICARIA Linnaeus, 1758

Loricaria Linnaeus, 1758: 307. Type species: *Loricaria cataphracta* Linnaeus, 1758. Type by monotypy. Gender: Feminine.

Fusiloricaria Fowler, 1940a: 247. Type species: *Loricaria clavipinna* Fowler, 1940. Type by original designation. Gender: Feminine. Originally proposed as a subgenus of *Loricaria*.

Revision: Isbrücker (1981).

Loricaria apeltogaster Boulenger, 1895

Loricaria apeltogaster Boulenger, 1895b: 528. Type locality: Paraguay. Lectotype: BMNH 1895.5.17.105, designated by Isbrücker (1979a: 110) and illustrated in Isbrücker (1979a: 107, figs. 20a, 21a); one syntype illustrated in Boulenger (1896c: pl. 7, fig. 2).

Distribution: Uruguay, Paraná and Paraguay River basins (Isbrücker, 1981).

Loricaria cataphracta Linnaeus, 1758

Loricaria cataphracta Linnaeus, 1758: 307. Type locality: In America meridionali. Lectotype: NRM 33, designated by Isbrücker (1979a: 110). Earlier neotype designation by Isbrücker (1972: 173) invalidated by rediscovery of syntype series.

Loricaria cirrhosa Bloch & Schneider, 1801: 125, pl. 34. Type locality: America meridionali. Lectotype: ZMB 3160, designated by, and illustrated in, Isbrücker (1972: 170, figs. 4–5).

Loricaria setifera La Cèpède, 1803: 140, 141. Type locality: In America meridionali. Syntype: NRM 33. On Gronovius (1763: n. 69), Bloch (1794: pl. 375, fig. 3), *Loricaria cataphracta* Linnaeus, Seba (1734–65: pl. 29, fig. 14), and other literature sources.

Loricaria Dentata Shaw, 1804: 37. Type locality: Indian Seas, in error [South America]. Types: On Gronovius (1763: 127, pl. 2, figs. 1–2), Bloch (1794: pl. 375, figs. 3–4), and *Loricaria cataphracta* Linnaeus.

Plecostomus flagellaris Gronow in Gray, 1854: 158. Type locality: Surinam. Holotype: BMNH 1863.11.12.195 (dorsal surface of body) and 196 (ventral surface); holotype redescribed and illustrated in Isbrücker (1972: fig. 7).

Loricaria carinata Castelnau, 1855: 46, pl. 23 (fig. 3). Type locality: De la rivières Amazones. Holotype: MNHN a-9562; holotype redescribed and illustrated in Isbrücker (1972: 178, fig. 8).

Loricaria dura Bleeker, 1862 (in Bleeker, 1862–63): 3. Type locality: Surinama. Lectotype: NRM 33. Unneeded new name for *Loricaria cataphracta* Linnaeus.

Distribution: Amazon River basin, and coastal rivers of the Guianas, Brazil, French Guiana, Guyana, Suriname (Isbrücker, 1981).

Remarks: Species redescribed by le Bail *et al.* (2000); see Isbrücker (1972) for comments on the identity of the species.

Loricaria clavipinna Fowler, 1940

Loricaria clavipinna Fowler, 1940a: 247, figs. 44–47. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68665; holotype illustrated in Isbrücker (1981: figs. 9–10).

Distribution: Amazon River basin, Brazil, Peru (Isbrücker, 1981).

Loricaria lata Eigenmann & Eigenmann, 1889

Loricaria lata Eigenmann & Eigenmann, 1889b: 36. Type locality: Goyaz [Brazil]. Lectotype: MCZ 46721, designated by, and illustrated in, Isbrücker (1972: 179, figs. 9–10).

Distribution: Araguaia River basin, Brazil (Isbrücker, 1981).

Loricaria nickeriensis Isbrücker, 1979

Loricaria nickeriensis Isbrücker, 1979a: 97, figs. 11–13. Type locality: Surinam, district Nickerie, rapide dans la rivière Fallawatra, 5 km SSW des chutes Stondansie. Holotype: ZMA 107561.

Distribution: Nickerie and Marowijne River basins (Isbrücker, 1981).

Loricaria parnahybae Steindachner, 1907

Loricaria parnahybae Steindachner, 1907b: 153. Type locality: dem Rio Parnahyba an der Mündung eines Baches bei Victoria [Brazil]. Lectotype: NMW 44854, designated by Isbrücker (1979a: 110).

Loricaria piauhyae Fowler, 1941a: 163, figs. 72–74. Type locality: Rio Parnahyba, Therezina, Piauhy [Brazil]. Holotype: ANSP 69452; holotype illustrated in Isbrücker (1981: fig. 7).

Distribution: Coastal rivers of NE Brazil and French Guiana (Isbrücker, 1981).

Loricaria piracicabae Ihering, 1907

Loricaria piracicabae Ihering, 1907: 28. Type locality: Piracicaba, Piracicaba River, State of S. Paulo [Brazil]. Holotype: MZUSP 2182.

Distribution: Piracicaba River basin, Brazil (Isbrücker, 1981).

Loricaria simillima Regan, 1904

Loricaria simillima Regan, 1904b: 292, pl. 17 (fig. 2). Type locality: Canelos, e. Ecuador. Lectotype: BMNH 1880.12.8.77, designated by Isbrücker (1979a: 110).

Distribution: Amazon, Orinoco and La Plata River basins (Isbrücker, 1981).

Loricaria tucumanensis Isbrücker, 1979

Loricaria tucumanensis Isbrücker, 1979a: 98, fig. 14. Type locality: Argentine, Prov. Tucuman, San Miguel de Tucuman, 26°47'S, 65°15'W (Rio Sali ?). Holotype: USNM 88669.

Distribution: Dulce River basin, Argentina (Isbrücker, 1981).

LORICARIICHTHYS Bleeker, 1862

Plecostomus Swainson, 1839: 304. Type species: *Loricaria maculata* Bloch, 1794. Type by monotypy. Gender: Masculine. Originally as a subgenus of *Loricaria*. Predates *Loricariichthys* Bleeker, but not treated as valid since before 1899 and, therefore, permanently suppressed.

Loricariichthys Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Loricaria maculata* Bloch, 1794. Type by original designation. Gender: Masculine.

Parahemiodon Bleeker, 1862: 373. Type species: *Parahemiodon typus* Bleeker, 1862. Type by original designation. Gender: Masculine.

Loricariichthys acutus (Valenciennes, 1840)

Loricaria acuta Valenciennes, in Cuvier & Valenciennes, 1840b: 472 (349 of Strasbourg deluxe edition), pl. 452. Type locality: On peut croire qu'il venait du Brésil. Holotype: at MNHN (but apparently lost).

Distribution: Brazil (?).

Loricariichthys anus (Valenciennes, 1836)

Loricaria anus Valenciennes, 1836, in Valenciennes, 1835–47: pl. 6 (fig. 1). Type locality: [Not stated]. Holotype: MNHN a-9456 or MNHN a-9455. Name made available from illustration of single specimen, which must be considered the holotype if it can be recognized. Described in Cuvier & Valenciennes (1840b: 470 [347 of Strasbourg deluxe edition]).

Distribution: Coastal rivers of southern Brazil, Uruguay and lower Paraná River basins (Ferraris, 2003c).

Remarks: Redescribed in Cuvier & Valenciennes (1840: 470 (347 in Strasbourg deluxe edition) from two specimens, with locality stated as: sur les bords de la rivière de La Plata près de Buénos-Ayres. Lectotype designation by Isbrücker (1979a: 113) of MNHN a-9456 (396 mm) would be valid, if illustrated specimen can not be identified.

Loricariichthys brunneus (Hancock, 1828)

Loricaria brunnea Hancock, 1828: 247. Type locality: Venezuela, the branches and lakes of the Orinoko [sic].

Type(s): Whereabouts unknown (Isbrücker, 1979a: 113).

Distribution: Orinoco River basin (Ferraris, 2003c).

Loricariichthys cashibo (Eigenmann & Allen, 1942)

Loricaria cashibo Eigenmann & Allen, 1942: 205. Type locality: Lago Cashiboya [Peru]. Holotype: IU 15416 (131 mm FL; whereabouts unknown, not found by Isbrücker & Nijssen, 1976b: 110).

Distribution: Upper Amazon River basin, Peru (Ferraris, 2003c).

Loricariichthys castaneus (Castelnau, 1855)

Loricaria castanea Castelnau, 1855: 46, pl. 23 (fig. 4). Type locality: donné a Rio de Janeiro, comme venant des rivières du voisinage [Brazil]. Holotype: MNHN a-9561.

Loricaria Spixii Steindachner, 1881b: 97. Type locality: Rio Parahyba, Santa Cruz, Rio Quenda, Rio Muriahe, Sao Matheos, Sambaia, Rio Grande do Sul [restricted to Rio Quenda by lectotype designation] . Lectotype: NMW 45113, designated by Isbrücker (1979a: 113). Illustrated and described in more detail in Steindachner (1881d: 4, pl. 2).

Distribution: Coastal streams of SE Brazil between southern São Paulo and northern Espírito Santo, including the Paraíba do Sul River basin, Brazil (Ferraris, 2003c).

Loricariichthys chanjoo (Fowler, 1940)

Parahemiodon chanjoo Fowler, 1940a: 240, figs. 30–32. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68656.

Distribution: Ucayali River basin, Peru (Ferraris, 2003c).

Loricariichthys derbyi Fowler, 1915

Loricariichthys derbyi Fowler, 1915b: 267, fig. 4. Type locality: Rio Jaguaribe at Barro Alto, Brazil. Holotype: ANSP 39932.

Distribution: Jaguaribe River basin, Brazil (Ferraris, 2003c).

Loricariichthys edentatus Reis & Pereira, 2000

Loricariichthys edentatus Reis & Pereira, 2000: 1041, fig. 8. Type locality: rio Uruguay at brazo Itape, south of Isla Canario, Concepción del Uruguay, Argentina (32°29'S, 58°14'W). Holotype: MACN 4041.

Distribution: Lower Uruguay River basin, Argentina (Reis & Pereira, 2000).

Loricariichthys hauxwelli Fowler, 1915

Loricariichthys hauxwelli Fowler, 1915a: 238, fig. 10. Type locality: Ambyiacu River, Ecuador. Holotype: ANSP 8301.

Distribution: Ampyiacu River basin, Peru (Ferraris, 2003c).

Loricariichthys labialis (Boulenger, 1895)

Loricaria labialis Boulenger, 1895b: 527. Type locality: Paraguay. Lectotype: BMNH 1895.5.17.98, designated by Isbrücker (1979a: 113); one syntype illustrated in Boulenger (1896c: pl. 7, fig. 1).

Distribution: Paraguay and middle Paraná River basin (Ferraris, 2003c).

Remarks: Reviewed in Ringuelet *et al.* (1967), diagnosed in Britski *et al.* (1999).

Loricariichthys maculatus (Bloch, 1794)

Loricaria maculata Bloch, 1794: 73, pl. 375 (figs. 1–2). Type locality: [No locality stated]. Lectotype: ZMB 3163, designated by, and illustrated in, Isbrücker (1971a: 12, figs. 3–4), with the locality stated as Surinam District Suriname, ditches at Cultuurtuin at Paramaribo West.

Loricaria accipenser Shaw, 1804: 36. Type locality: Indian seas, in error [South America]. Types: On Bloch (1794: pl. 375, fig. 1), Gronovius (1763: 127, no. 391), and *Loricaria cataphracta* Linnaeus.

Plecostomus cataphractus Gronow in Gray, 1854: 158. Type locality: [No locality stated]. Neotype: ZMB 3163, designated by, and illustrated in, Isbrücker (1971a: 15, figs. 3–4).

Loricaria amazonica Castelnau, 1855: 46, pl. 23 (fig. 2). Type locality: [Not stated]. Holotype: MNHN a-9560.

? *Parahemiodon typus* Bleeker, 1862a: 373. Type locality: Surinama. Holotype: RMNH 3121; holotype illustrated in Bleeker (1864a: 20, pl. 6, fig. 1; pl. 13, fig. 1).

? *Loricaria parahemiodon* Günther, 1864: 258. Type locality: Surinama. Holotype: RMNH 3121. Unneeded new name for *Parahemiodon typus* Bleeker.

Distribution: Rivers of Suriname (Ferraris, 2003c).

Remarks: Redescribed in Isbrücker (1971a: 12).

Loricariichthys melanocheilus Reis & Pereira, 2000

Loricariichthys melanocheilus Reis & Pereira, 2000: 1042, fig. 9. Type locality: mouth of rio Ijuí-Mirim, tributary of rio Ijuí, Pirapó, Rio Grande do Sul, Brazil (rio Uruguay drainage, 28°03'S, 55°11'W). Holotype: MCP 16961.

Distribution: Lower Paraná and Uruguay River basins, Brazil (Reis & Pereira, 2000).

Loricariichthys microdon (Eigenmann, 1909)

Loricaria microdon Eigenmann, 1909a: 7. Type locality: Rupununi, British Guiana. Holotype: FMNH 53555; holotype illustrated in Eigenmann (1912b: pl. 30, fig. 1; pl. 32, fig. 1).

Distribution: Rupununi River basin, Guyana (Ferraris, 2003c).

Loricariichthys nudirostris (Kner, 1853)

Loricaria nudirostris Kner, 1853a: 12, 22, pl. 4. Type locality: Barra do Rio negro [Manaus, Brazil]. Lectotype: NMW 45092: 1, designated by Isbrücker (1979a: 113). Originally as *Lor. nudirostris*.

Distribution: Amazon River basin, Brazil (Ferraris, 2003c).

Loricariichthys platymetopon Isbrücker & Nijssen, 1979

Loricariichthys platymetopon Isbrücker & Nijssen, 1979: 203, fig. 7. Type locality: Paraguay, Lago Ypacarai, San Bernardino, 25°16'S, 57°16'W, Río Paraguay system. Holotype: USNM 181580.

Distribution: La Plata River basin (Ferraris, 2003c).

Loricariichthys rostratus Reis & Pereira, 2000

Loricariichthys rostratus Reis & Pereira, 2000: 1044, fig. 10. Type locality: rio São Francisco Falso, limit between Diamante do Oeste and Santa Helena, Paraná, Brazil (upper rio Paraná drainage, 24°54'S, 54°12'W). Holotype: MCP 16962.

Distribution: Paraná River basin, above Paraguay River mouth (Reis & Pereira, 2000).

Loricariichthys stuebelii (Steindachner, 1882)

Loricaria Stübelii Steindachner, 1882b: 175. Type locality: Aus dem Huallaga [Peru]. Lectotype: NMW 45110, designated by Isbrücker (1979a: 113). Illustrated and described in more detail in Steindachner (1882c: 7, pl. 3, figs. 2, 2a, 2b).

Distribution: Huallaga River basin, Upper Amazon drainage, Peru (Ferraris, 2003c).

Loricariichthys ucayalensis Regan, 1913

Loricariichthys ucayalensis Regan, 1913c: 282. Type locality: River Ucayali, Peru. Lectotype: BMNH 1913.7.30.36, designated by Isbrücker & Nijssen (1979: 208).

Distribution: Ucayali River basin, Upper Amazon drainage, Peru (Ferraris, 2003c).

MACROTOCINCLUS Isbrücker & Seidel, 2001

Macrotocinclus Isbrücker & Seidel, in Isbrücker *et al.*, 2001: 20. Type species: *Otocinclus affinis* Steindachner, 1877. Type by original designation. Gender: Masculine.

Remarks: This genus corresponds to the “affinis” clade of *Otocinclus* as diagnosed in Schaefer (1997) and is the sister group to *Otocinclus* sensu stricto.

Macrotocinclus affinis (Steindachner, 1877)

Otocinclus affinis Steindachner, 1877c: 221, pl. 1 (figs. 1, 1a, 1b). Type locality: Flüssen bei S. Crux in der umgebung von Rio de Janeiro, Brazil. Lectotype: NMW 45368:1, designated by, and illustrated in [but labeled as NMW 45368:2], Schaefer (1997: 49).

Distribution: Vicinity of Rio de Janeiro, Brazil (Schaefer, 2003c).

Macrotocinclus flexilis (Cope, 1894)

Otocinclus fimbriatus Cope, 1894: 98, pl. 9 (figs. 16, 16a–b). Type locality: Rio Jacuhy [Jacuí], Rio Grande do Sul, Brazil. Syntypes: ANSP 21752–55 (4), ANSP 21585–97 (14); syntype ANSP 21754 illustrated in Schaefer (1997: fig. 34a).

Otocinclus flexilis Cope, 1894: 97, pl. 8 (figs. 13, 13a–b). Type locality: Rio Jacuhy [Jacuí], Rio Grande do Sul, Brazil. Lectotype: ANSP 21756, designated by, and illustrated in, Schaefer (1997: 53, fig. 33).

Otocinclus arnoldi Regan, 1909: 234. Type locality: Rio de la Plata, South America. Holotype: BMNH 1908.12.5.13; holotype illustrated in Schaefer (1997: fig. 34b).

Distribution: Middle and lower Paraná/Paraguay, Uruguay and La Plata basins and Atlantic coastal streams of Southeastern Brazil (Schaefer, 2003c).

Remarks: *Otocinclus flexilis* treated as valid by first reviser action of Eigenmann (1910: 412). Redescribed in Aquino (1996).

MEGALANCISTRUS Isbrücker, 1980

Megalancistrus Isbrücker, 1980: 52. Type species: *Chaetostomus gigas* Boulenger, 1895. Type by original designation. Gender: Masculine.

Megalancistrus barrae (Steindachner, 1910)

Ancistrus barrae Steindachner, 1910a: 58. Type locality: Rio San Francisco bei Barra [Brazil]. Syntypes: NMW 48019 (1), NMW 48020 (1).

Distribution: São Francisco River basin, Brazil (Fisch-Muller, 2003).

Megalancistrus parananus (Peters, 1881)

Pterygoplichthys (Ancistrus) parananus Peters, 1881a: 17. Type locality: Parana fluss bei La Paz in Entre-Rios [Argentina]. Holotype: ZMB 11328.

Chaetostomus aculeatus Perugia, 1891: 637. Type locality: Asuncion (Rio Paraguay) [Paraguay]. Holotype: MSNG 8937.

Chaetostomus gigas Boulenger, 1895b: 526. Type locality: Paraguay. Holotype: BMNH 1895.5.17.72; holotype illustrated in Boulenger (1896c: pl. 6).

Distribution: Paraguay, Paraná, and Uruguay River basins (Fisch-Muller, 2003).

Remarks: Redescribed as *Pterygoplichthys aculeatus* in Pignallberi *et al.* (1970: 379).

METALORICARIA Isbrücker, 1975

Metaloricaria Isbrücker, 1975b: 2. Type species: *Metaloricaria paucidens* Isbrücker, 1975. Type by original designation. Gender: Feminine.

Review: Isbrücker & Nijssen (1982).

Metaloricaria nijsseni (Boeseman, 1976)

Harttia nijsseni Boeseman, 1976: 170, pl. 8. Type locality: Sipaliwini River, southwestern Surinam. Holotype: RMNH 27498.

Distribution: Suriname, Saramacca, Nickerie, and Corantijn River basins, Suriname (Isbrücker & Nijssen, 1982).

Metaloricaria paucidens Isbrücker, 1975

Metaloricaria paucidens Isbrücker, 1975b: 2, pls 1–3. Type locality: French Guiana, creek at right bank of Ouaqui River, upstream of Saut Bali, Maroni River system. Holotype: IRSNB 549.

Distribution: Oyapock, Sinnamary and Marowijne River basins (le Bail *et al.*, 2000).

Remarks: Species redescribed by le Bail *et al.* (2000).

MICROLEPIDOGASTER Eigenmann & Eigenmann, 1889

Microlepidogaster Eigenmann & Eigenmann, 1889a: 8. Type species: *Microlepidogaster perforatus* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Feminine.

Remarks: Type species written as *Microlepidogaster perforated* in generic account, but as *M. perforatus* in species account.

Microlepidogaster perforatus Eigenmann & Eigenmann, 1889

Microlepidogaster perforatus Eigenmann & Eigenmann, 1889a: 9. Type locality: Rio Carandahy, Brazil. Holotype: MCZ 8181.

Distribution: Carandaí River in upper Paraná River basin, Brazil (Schaefer, 2003c).

NANNOPTOPOMA Schaefer, 1996

Nannoptopoma Schaefer, 1996a: 915. Type species: *Otocinclus spectabilis* Eigenmann, 1914. Type by original designation. Gender: Neuter.

Nannoptopoma spectabile (Eigenmann, 1914)

Otocinclus spectabilis Eigenmann, 1914b: 229. Type locality: Quebrada Cramalote, 4°07'N, 73°36'W, Dpto. Meta, Villavicencio, Colombia. Holotype: CAS 33806.

Distribution: Amazon and Orinoco River basins, Colombia (Schaefer, 2003c).

Nannoptopoma sternoptychum Schaefer, 1996

Nannoptopoma sternoptychum Schaefer, 1996a: 920, fig. 4. Type locality: Quebrada Mariposa at Cusco-Amazonico Lodge, 12°36'S, 69°11'W, Puerto Maldonado, Tambopata, Madre de Dios, Peru. Holotype: MUSM 4097.

Distribution: Lower Amazon River basin and tributaries below 200 m elevation (Schaefer, 2003c).

NEBLINICHTHYS Ferraris, Isbrücker & Nijssen, 1986

Neblichthys Ferraris, Isbrücker & Nijssen, 1986: 70. Type species: *Neblichthys pilosus* Ferraris, Isbrücker & Nijssen, 1986. Type by original designation. Gender: Masculine.

Neblichthys pilosus Ferraris, Isbrücker & Nijssen, 1986

Neblichthys pilosus Ferraris, Isbrücker & Nijssen, 1986: 70, fig. 1 (top). Type locality: Venezuela, Territorio Federal Amazonas; Dept. Rio Negro, Rio Baria basin. Rio Mawarinuma tributary at Neblina base camp, on right bank in riffle, 0°55'N, 66°10'W, elevation 120 m. Holotype: AMNH 56137.

Distribution: Upper Baria River basin, Venezuela (Ferraris *et al.*, 1986).

Neblichthys yaravi (Steindachner, 1915)

Ancistrus (Hemiancistrus) yaravi Steindachner, 1915e: 87. Type locality: Rio Coquenán [=Kukenan, Caroni basin], Venezuela. Holotype: at NMW.

Neblichthys roraima Provenzano, Lasso & Ponte, 1995: 245, fig. 1. Type locality: Venezuela: Estado Bolívar: río Caroni system, first creek (quebrada) NW of base camp Roraima tepui, tributary of río Kukenan (5°15'N, 60°40'W), at an elevation of 1200–1400 m. Holotype: MHNLS 8753.

Distribution: Upper Caroni drainage, Venezuela (Fisch-Muller, 2003).

Remarks: Synonymy follows Armbruster (pers. commun., 2005).

NEOPLECOSTOMUS Eigenmann & Eigenmann, 1888

Neoplecostomus Eigenmann & Eigenmann, 1888b: 171. Type species: *Plecostomus microps* Steindachner, 1877. Type by original designation. Gender: Masculine. Proposed originally as a subgenus of *Plecostomus*.

Neoplecostomus espiritosantensis Langeani, 1990

Neoplecostomus espiritosantensis Langeani, 1990: 16, fig. 3. Type locality: rio Jacu (braço sul), Vitor Hugo, Mun. de Domingos Martins, ES [Brazil]. Holotype: MZUSP 38573.

Distribution: South America: Jacu and São Lourenço River basins, eastern slope of Serra do Mar, Brazil (Langeani, 1990).

Neoplecostomus franciscoensis Langeani, 1990

Neoplecostomus franciscoensis Langeani, 1990: 22, fig. 5. Type locality: riacho afluyente do córrego da Mutuca, à direita da estrada Belo Horizonte-Nova Lima, Km 20, MG, 20°06'S, 43°55'W [Brazil]. Holotype: MZUSP 38577.

Distribution: Headwaters of Das Velhas and Paraopeba River basins, São Francisco River drainage, Brazil (Langeani, 1990).

Neoplecostomus granosus (Valenciennes, 1840)

Hypostomus granosus Valenciennes in Cuvier & Valenciennes, 1840b: 502 (371 in Strasbourg deluxe edition). Type locality: Cayenne, ... Rio-Janéiro [both localities apparently in error (Langeani, 1990)]. Syntypes: MNHN a-9566 (3), MNHN b-0597 (6), MNHN b-0598 (6).

Distribution: Southeastern Brazil (?).

Neoplecostomus microps (Steindachner, 1877)

Plecostomus microps Steindachner, 1877b: 688, pl. 13. Type locality: der Umgebung von Rio Janeiro [Brazil]. Lectotype: NMW 45337.1, designated by Langeani (1990: 8).

Distribution: Paraíba do Sul River basin, Brazil (Langeani, 1990).

Neoplecostomus paranensis Langeani, 1990

Neoplecostomus paranensis Langeani, 1990: 12, figs. 2, 6. Type locality: Rio Cubatão, Faz. Santa Carlota, Cajurú,

SP [Brazil]. Holotype: MZUSP 38572.

Distribution: Upper Paraná River basin, Brazil (Langeani, 1990).

Neoplecostomus ribeirensis Langeani, 1990

Neoplecostomus ribeirensis Langeani, 1990: 19, fig. 4. Type locality: riacho afluyente do rio Bananal, km 7 da rodovia Biguá-Iguape (SP-222), SP [Brazil]. Holotype: MZUSP 38576.

Distribution: Ribeira de Iguape River basin, Brazil (Langeani, 1990).

Neoplecostomus variipictus Bizerril, 1995

Neoplecostomus variipictus Bizerril, 1995b: 695, figs. 1–2. Type locality: rio Santo Antônio, tributário do rio Bengala, bacia do rio Paraíba do Sul, Firburgo, RJ [Brazil]. Holotype: MNRJ 12806.

Distribution: Paraíba do Sul River basin, Brazil (Bizerril, 1995b).

NIOBICHTHYS Schaefer & Provenzano, 1998

Niobichthys Schaefer & Provenzano, 1998: 222. Type species: *Niobichthys ferrarisi* Schaefer & Provenzano, 1998.

Type by original designation. Gender: Masculine.

Niobichthys ferrarisi Schaefer & Provenzano, 1998

Niobichthys ferrarisi Schaefer & Provenzano, 1998: 226, fig. 4. Type locality: Municipio Autónomo Río Negro, Río Baria, approximately 200 m above Neblina base camp, 0°55'N, 66°10'W, Amazonas State, Venezuela. Holotype: MBUCV V-20225.

Distribution: Upper Baria River, Negro River basin, Venezuela (Schaefer, 2003c).

OLIGANCISTRUS Rapp Py-Daniel, 1989

Oligancistrus Rapp Py-Daniel, 1989: 246. Type species: *Chaetostomus punctatissimus* Steindachner, 1881. Type by original designation. Gender: Masculine.

Oligancistrus punctatissimus (Steindachner, 1881)

Chaetostomus punctatissimus Steindachner, 1881c: 119, pl. 3 (fig. 3). Type locality: aus dem Amazonen-Strome ohne nähere Angabe des Fundortes [Brazil]. Holotype: NMW 47206.

Distribution: Xingu River basin, Brazil (Fisch-Muller, 2003).

OTOCINCLUS Cope, 1871

Otocinclus Cope, 1871b: 112. Type species: *Otocinclus vestitus* Cope, 1872. Type by subsequent monotypy. Gender: Masculine. Genus originally proposed without species; species name first added in Cope (1872a).

Revision, phylogeny and biogeography: Schaefer (1997).

Otocinclus bororo Schaefer, 1997

Otocinclus bororo Schaefer, 1997: 69, fig. 43. Type locality: Barra do Bugres, stream crossing road between Barra do Bugres and Cáceres, 51 km S of Barra Do Bugres, ca. 15°20'S, 57°12'W, Mato Grosso, Brazil. Holotype: MCP 19285.

Distribution: Upper Paraguay River basin, Brazil (Schaefer, 2003c).

Otocinclus caxarari Schaefer, 1997

Otocinclus caxarari Schaefer, 1997: 71, fig. 44. Type locality: Region between Guajara-Mirim and Mato Grosso, ca. 10°48'S, 65°23'W, Rio Solimoes/Madeira/Guaporé drainage, Brazil/Bolivia border. Holotype: MZUSP 51102.

Distribution: Upper Madeira River basin, Brazil (Schaefer, 2003c).

Otocinclus cocama Reis, 2004

Otocinclus cocama Reis, 2004: 110, figs. 1–4. Type locality: quebrada Yanayacu (approx. 04°55'S, 073°43'W), tributary to the caño of the cocha Supay in Jenaro Herrera, Provincia Requena, Departamento Loreto, Peru. Holotype: MUSM 20686.

Distribution: Upper Amazon River basin, Peru (Reis, 2004).

Otocinclus hasemani Steindachner, 1915

Otocinclus hasemani Steindachner, 1915c: 348. Type locality: Engenhão de Agua, im flußgebiete des Paranyha [Maranhão State, Brazil]. Lectotype: NMW 45369: 1, designated by, and illustrated in, Schaefer (1997: 62, fig. 38a).

Distribution: Tocantins and Parnaíba River basins, Brazil (Schaefer, 2003c).

Otocinclus hoppei Miranda Ribeiro, 1939

Otocinclus hoppei Miranda Ribeiro, A., 1939: 359. Type locality: Belém, Pará, Brasil-Norte. Lectotype: MNRJ 1030, designated by Miranda Ribeiro (1953: 401); lectotype illustrated in Schaefer (1997: fig. 39a).

Distribution: Amazon River basin, Brazil (Schaefer, 2003c).

Otocinclus huaorani Schaefer, 1997

Otocinclus huaorani Schaefer, 1997: 74, fig. 46. Type locality: Trib. to Río San Miguel (km 50, 4.5 km S of Tipischca), ca. 0°10'N, 76°13'W, Río Amazonas/Napo drainage, Napo, Ecuador. Holotype: FMNH 101555.

Distribution: Western upper Amazon and Orinoco River basins (Schaefer, 2003c).

Otocinclus macrospilus Eigenmann & Allen, 1942

Otocinclus macrospilus Eigenmann & Allen, 1942: 201, pl. 13 (fig. 1). Type locality: Rio Morona [Upper Amazon basin, Peru]. Holotype: CAS 77335; holotype illustrated in Schaefer (1997: fig. 42a).

Distribution: Amazon River basin, Peru (Schaefer, 2003c).

Otocinclus mariae Fowler, 1940

Otocinclus mariae Fowler, 1940c: 83, figs. 41–43. Type locality: Boca Chapare, Río Chimore [Río Mamoré system] Bolivia. Holotype: ANSP 69068; holotype illustrated in Schaefer (1997: fig. 41a).

Distribution: Upper Madeira and lower Amazon River basins, Bolivia (Schaefer, 2003c).

Otocinclus mimulus Axenrot & Kullander, 2003

Otocinclus mimulus Axenrot & Kullander, 2003: 251, fig. 1. Type locality: Paraguay: Departamento Caaguazú: río Paraná drainage, small stream (arroyo) at Estancia María Belén, 8 km from Colone Patricio Colman, 25°40'13"S, 55°5'52"W. Holotype: MNHNP uncat (currently as NRM 43480).

Distribution: Monday River, Paraná River basin, Paraguay (Axenrot & Kullander, 2003).

Otocinclus mura Schaefer, 1997

Otocinclus mura Schaefer, 1997: 77, fig. 47. Type locality: Rio Sanabani, município de Silves (Lago Canaçari drainage into Rio Solimões mainstem), ca. 2°51'40"S, 58°15'40"W, rio Solimões/Sanabani/Lago Canaçari drainage, Brazil. Holotype: MZUSP 51101.

Distribution: Upper Amazon River basin, Brazil (Schaefer, 2003c).

Otocinclus tapirape Britto & Moreira, 2002

Otocinclus tapirape Britto & Moreira, 2002: 1064, fig. 1. Type locality: Brazil: Goiás, córrego Água Parada, tributary of Rio Pintado, 11 km west from Novo Planalto, rio Araguaia system, 13°7'S, 49°62'W. Holotype: MZUSP 73975.

Distribution: Upper and middle Araguaia River basin, Brazil (Schaefer, 2003c).

Otocinclus vestitus Cope, 1872

Otocinclus vestitus Cope, 1872a: 283, pl. 4 (figs. 2a–c). Type locality: Tributaries of the Ambyiacu [which empties into the Amazon near to Pebas, in Eastern Ecuador, some distance east of the Napo]. Lectotype: ANSP 8283, designated by, and illustrated in, Schaefer (1997: 46, fig. 29).

Distribution: Amazon and lower [sic, upper] Paraná River basins (Schaefer, 2003c).

Otocinclus vittatus Regan, 1904

Otocinclus vittatus Regan, 1904b: 267, pl. 15 (fig. 3). Type locality: Descalvados, Mato Grosso, Brazil. Lectotype: BMNH 1895.5.17.83, designated by, and illustrated in, Schaefer (1997: 57, fig. 36a).

Rhinolepis paraguensis Borodin, 1927b: 7. Type locality: Paraguay. Holotype: AMNH 8641.

Distribution: Amazon, Orinoco, Paraná/Paraguay, Xingu and Tocantins River basins (Schaefer, 2003c).

Otocinclus xakriaba Schaefer, 1997

Otocinclus xakriaba Schaefer, 1997: 79, fig. 48. Type locality: Rio Pau de Colher, on road between Guanambi and Mutas, 14°12'48"S, 42°49'29"W, rio São Francisco drainage, Bahia, Brazil. Holotype: MZUSP 51103.

Distribution: São Francisco River basin, Brazil (Schaefer, 2003c).

OTOTHYRIS Myers, 1927

Otothyris Myers, 1927: 128. Type species: *Otothyris canaliferus* Myers, 1927. Type by original designation. Gender: Feminine.

Revision: Garavello *et al.* (1998).

Otothyris juquiae Garavello, Britski & Schaefer, 1998

Otothyris juquiae Garavello, Britski & Schaefer, 1998: 8, fig. 4. Type locality: Juquiá creek at Cantagalo farm, São Paulo State, Brazil. Holotype: MZUSP 10309.

Distribution: Ribeira de Iguape River basin, Brazil (Schaefer, 2003c).

Otothyris lophophanes (Eigenmann & Eigenmann, 1889)

Rhinelepis lophophanes Eigenmann & Eigenmann, 1889a: 9. Type locality: Santa Cruz, Brazil. Holotype: MCZ 8164.

Otocinclus cephalacanthus Miranda Ribeiro, 1911: 93. Type locality: Brazil. Holotype: MNRJ 1050.

Otothyris canaliferus Myers, 1927: 128. Type locality: Hills in the vicinity of Rio de Janeiro, Brazil. Lectotype: MCZ 31577, designated in Garavello *et al.* (1998: 7).

Distribution: Atlantic coastal streams of Rio de Janeiro State, Brazil (Schaefer, 2003c).

Otothyris rostrata Garavello, Britski & Schaefer, 1998

Otothyris rostrata Garavello, Britski & Schaefer, 1998: 10, fig. 5. Type locality: Osório, Canal between lagoons Emboaba and Emboabinha, on the highway between Osório and Tramandai, Rio Grande do Sul State, Brazil. Holotype: MCP 14812.

Distribution: Atlantic coast of Santa Catarina and Rio Grande do Sul States, Brazil (Schaefer, 2003c).

Otothyris travassosi Garavello, Britski & Schaefer, 1998

Otothyris travassosi Garavello, Britski & Schaefer, 1998: 12, fig. 6. Type locality: Barra Sêca River at Linhares to São Mateus Road, Espírito Santo State, Brazil. Holotype: MNRJ 10177.

Distribution: Atlantic coast of southeastern Brazil (Schaefer, 2003c).

OTOTHYROPSIS Ribeiro, Carvalho & Melo, 2005

Otothyropsis Ribeiro, Carvalho & Melo, 2005: 491. Type species: *Otothyropsis marapoama* Ribeiro, Carvalho & Melo, 2005, by original designation. Gender: Feminine.

Otothyropsis marapoama Ribeiro, Carvalho & Melo, 2005

Otothyropsis marapoama Ribeiro, Carvalho & Melo, 2005: 491, fig. 1. Type locality: Brazil, São Paulo, rio Tietê basin, Município de Marapoama, ribeirão Cubatão, road between Marapoama and Elisiário (21°11'35"S, 49°07'22"W). Holotype: LIRP 5640.

Distribution: Tietê River, Paraná River basin, Brazil (Ribeiro *et al.*, 2005).

OXYROPSIS Eigenmann & Eigenmann, 1889

Oxyropsis Eigenmann & Eigenmann, 1889b: 39. Type species: *Oxyropsis wrightiana* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Feminine.

Revision: Aquino & Schaefer (2002).

Oxyropsis acutirostris Miranda Ribeiro, 1951

Oxyropsis acutirostris Miranda Ribeiro, 1951a: 2, pl. 1 (fig. 2), pl. 2 (fig. 2), pl. 3 (fig. 2). Type locality: Paricachoeira, rio Taquié, afl. do Vaupes que é afl. do Negro, Amazonas [Brazil]. Holotype: MNRJ 5745.

Distribution: Orinoco and Negro River basins (Schaefer, 2003c).

Oxyropsis carinata (Steindachner, 1879)

Hypoptopoma carinatum Steindachner, 1879e: 48, pl. 4 (fig. 3). Type locality: Einem nebenflusse des Amazonenstromes an der Peruanische Grenze. Holotype: NMW 46267; holotype illustrated in Aquino & Schaefer (2002: fig. 6).

Distribution: Middle and upper Amazon River basin (Schaefer, 2003c).

Oxyropsis wrightiana Eigenmann & Eigenmann, 1889

Oxyropsis wrightiana Eigenmann & Eigenmann, 1889b: 39. Type locality: Lago Hyanuary [Brazil]. Holotype: MCZ 8055; holotype illustrated in Aquino & Schaefer (2002: fig. 4).

Oxyropsis wrightii Eigenmann & Eigenmann, 1891: 40. Type locality: Lago Hyanuary. Holotype: MCZ 8055. Unjustified emendation of *Oxyropsis wrightiana*.

Distribution: Middle and upper Amazon River basin (Schaefer, 2003c).

PANAQOLUS Isbrücker & Schraml, 2001

Panaqolus Isbrücker & Schraml, in Isbrücker *et al.*, 2001: 20. Type species: *Panaque gnomus* Schaefer & Stewart, 1993. Type by original designation. Gender: Masculine.

Revision: Schaefer & Stewart (1993) as *Panaque dentex* species group.

Species key: Chockley & Armbruster (2002), as *Panaque dentex* species group.

Remarks: This genus corresponds to the monophyletic assemblage called the *Panaque dentex* species group by Schaefer & Stewart (1993). The recognition of this group as a separate genus was rejected by Chockley & Armbruster (2002) and Weber (2003).

Panaqolus albomaculatus (Kanazawa, 1958)

Panaque albomaculatus Kanazawa, 1958: 327, fig. 1 (top). Type locality: Ecuador, tributary of the Río Suno, upper Napo River, 0°47' south latitude, 77°16' west longitude, Río Pucuno. Holotype: USNM 167909.

Distribution: Headwaters of Napo, Marañón and Ucayali rivers, Ecuador, Peru (Fisch-Muller, 2003).

Remarks: Redescribed by Schaefer & Stewart (1993: 327, fig. 13).

Panaqolus changae (Chockley & Armbruster, 2002)

Panaque changae Chockley & Armbruster, 2002: 83, fig. 1 (middle). Type locality: Peru: Loreto: río Itaya, río Amazonas drainage, 11 km SSW center of Iquitos at bearing 39°, 3°49'47.6"S 73°18'2.9"W. Holotype: MUSM 17107.

Distribution: Itaya and Momon River basins, Peru (Fisch-Muller, 2003).

Panaqolus dentex (Günther, 1868)

Chaetostomus dentex Günther, 1868a: 477. Type locality: Xeberos. Holotype: BMNH 1867.6.13.37. Described in more detail in Günther (1868b: 233).

Distribution: Napo, Pastaza and Marañón River basins (Fisch-Muller, 2003).

Remarks: Redescribed by Schaefer & Stewart (1993: 321, fig. 9), with type locality given as: Peru, Departamento Loreto, Xeberos (or Jeberos), upper Río Aipena system, tributary to Río Huallaga near its confluence with Río Marañón, approx. 5°18'S 76°17'W.

Panaqolus gnomus (Schaefer & Stewart, 1993)

Panaque gnomus Schaefer & Stewart, 1993: 333, fig. 17 (top). Type locality: Ecuador, Morona-Santiago Province, Río Cushuimi at Cushuimi, approx. 2°39'S 77°43'W, just over 300 m alt., upper Río Morona/ Marañón basin. Holotype: FMNH 70860.

Distribution: Pastaza and upper Marañón basins (Fisch-Muller, 2003).

Panaqolus maccus (Schaefer & Stewart, 1993)

Panaque maccus Schaefer & Stewart, 1993: 335, figs. 18, 19. Type locality: Venezuela, Estado Portuguesa, Río Las Marinas, upstream from bridge on Route 5 east of Guanare, tributary of Río Portuguesa, Río Orinoco basin, approx. 9°05'N 69°40'W. Holotype: MBUCV V-24010.

Distribution: Apuré and Caroni River basins, Venezuela (Fisch-Muller, 2003).

Panaqolus nocturnus (Schaefer & Stewart, 1993)

Panaque nocturnus Schaefer & Stewart, 1993: 330, fig. 15. Type locality: Peru, Departamento Amazonas, Río Santiago, near la Poza, Río Marañón basin, 4°01'24"S 77°45'06"W. Holotype: LACM 41729-51.

Distribution: Santiago and Pastaza River basins, upper Napo drainage (Fisch-Muller, 2003).

Panaqolus purusiensis (La Monte, 1935)

Panaque purusiensis La Monte, 1935: 4, fig. 3. Type locality: Rio Purus, Brazil; in the vicinity of the mouth of Rio Macauhan [=Macauá], a tributary of Rio Yaco [=Iaco], which, in turn, is a tributary of Rio Purus (69°W, 9°20'S). Holotype: AMNH 12600; holotype illustrated in Schaefer & Stewart (1991: fig. 12).

Distribution: Macauá River basin, upper Purus drainage, Brazil (Fisch-Muller, 2003).

PANAQUE Eigenmann & Eigenmann, 1889

Panaque Eigenmann & Eigenmann, 1889b: 44. Type species: *Chaetostomus nigrolineatus* Peters, 1877. Type by original designation. Gender: Masculine.

Panaque cochliodon (Steindachner, 1879)

Chaetostomus cochliodon Steindachner, 1879c: 194. Type locality: Aus dem Cauca, dem grössten Nebenflusse des Magdalena-Stromes [Colombia]. Syntypes: NMW 47297 (1), NMW 47298 (1). Also described as new in Steindachner (1879g: 187); described in more detail and illustrated in Steindachner (1880b: 63, pl. 4).

Chaetostomus gibbosus Steindachner, 1880b: 63, pl. 4. Type locality: Aus dem Cauca, dem grössten Nebenflusse des Magdalena-Stromes [Colombia]. Syntypes: NMW 47297 (1), NMW 47298 (1). Alternate name for *Chaetostomus cochliodon* proposed as *Chaetostomus cochliodon* (sive *gibbosus*).

Distribution: Cauca and Magdalena River basins, Colombia (Fisch-Muller, 2003).

Panaque nigrolineatus (Peters, 1877)

Chaetostomus nigrolineatus Peters, 1877: 471, fig. on an unnumb. pl. ff. p. 556. Type locality: Calabozo [Guaricó River], Venezuela. Syntypes: ZMB 10046 (1), ZMB 10047 (1).

Distribution: Orinoco River and middle and lower Amazon River tributaries (Fisch-Muller, 2003).

Panaque suttonorum Schultz, 1944

Panaque suttoni Schultz, 1944c: 308, pl. 10 (fig. b). Type locality: Río Negro below the mouth of the Río Yasa, Maracaibo basin, Venezuela. Holotype: USNM 121033.

Distribution: Western and eastern tributaries of Maracaibo Lake, Venezuela (Fisch-Muller, 2003).

Remarks: Schultz (1944c: 311) indicated that the species was to be named in honor of “Dr. and Mrs. Fredrick A. Sutton,” which prompted Isbrucker (2001: 30) to correct the name to *suttonorum*.

PARALORICARIA Isbrücker, 1979

Paraloricaria Isbrücker, 1979a: 87, 90. Type species: *Loricaria vetula* Valenciennes, 1836. Type by original designation. Gender: Feminine.

Paraloricaria agastor Isbrücker, 1979

Paraloricaria agastor Isbrücker, 1979a: 103, figs. 20 (right)–21 (right). Type locality: Paraguay (rio ?) Paraguay. Holotype: BMNH 1895.5.17.108.

Distribution: Paraguay River basin, Paraguay (Ferraris, 2003c).

Paraloricaria commersonoides (Devincenzi, 1943)

Loricaria commersonoides Devincenzi, 1943: 3, fig. 2. Type locality: río Uruguay, frente a la ciudad de Paysandú [Uruguay]. Holotype: at MHNM (apparently lost, Olazarri *et al.*, 1970).

Distribution: Uruguay River basin (Ferraris, 2003c).

Remarks: Redescribed in Ringuet *et al.* (1967).

Paraloricaria vetula (Valenciennes, 1836)

Loricaria vetula Valenciennes, 1836, in Valenciennes, 1835–47: pl. 6 (fig. 2). Type locality: [Not stated]. Holotype: MNHN a-8996. Described in Cuvier & Valenciennes (1840b: 466, 344 in Strasbourg deluxe edition) with locality stated as: des environs de Buéno-Ayres.

Distribution: La Plata River basin (Ferraris, 2003c).

Remarks: Reviewed in Ringuet *et al.* (1967).

PARANCISTRUS Bleeker, 1862

Parancistrus Bleeker, 1862 (in Bleeker, 1862–63): 2. Type species: *Hypostomus aurantiacus* Castelnau, 1855. Type by original designation. Gender: Masculine.

Acanthodemus Marschall, 1873: 63. Type species: *Hypostomus aurantiacus* Castelnau, 1855. Type by subsequent designation by Jordan (1919a: 264). Gender: Masculine.

Monophyly: Rapp Py-Daniel (1989).

Parancistrus aurantiacus (Castelnau, 1855)

Hypostomus aurantiacus Castelnau, 1855: 43, pl. 21 (fig. 2). Type locality: l'Ucayale. Holotype: MNHN a-9452 (dry). Name spelled *Hypostomus aurentiacus* on figure caption. Eschmeyer, *et al.* (1998: 165) acted as first reviser in selecting the spelling *H. aurantiacus* over *H. aurentiacus*.

Hypostomus nigricans Castelnau, 1855: 44, pl. 22 (fig. 1). Type locality: l'Amazone. Holotype: MNHN a-9576.

Hypostomus vicinus Castelnau, 1855: 45, pl. 23 (fig. 1). Type locality: l'Ucayale. Holotype: MNHN a-9572.

Distribution: Ucayali, Tocantins and Xingu Rivers (Fisch-Muller, 2003).

Remarks: Redescribed by Rapp Py-Daniel (1989: 239), in which the three names are placed together in synonymy for the first time. Therefore, Rapp Py-Daniel acted as first reviser in selecting *H. aurantiacus* as valid.

Parancistrus nudiventris Rapp Py-Daniel & Zuanon, 2005

Parancistrus nudiventris Rapp Py-Daniel & Zuanon, 2005: 573, fig. 1. Type locality: Brazil; Pará State; rio Xingu, bedrock at ilha do Bacabal, 3°23'19" S, 51°43'24" W. Holotype: INPA 15037.

Distribution: Xingu River, Brazil (Rapp Py-Daniel & Zuanon, 2005).

PAREIORHAPHIS Miranda Ribeiro, 1918

Pareiorhaphis Miranda Ribeiro, 1918a: 106. Type species: *Hemipsilichthys calmoni* [= *Psilichthys cameroni* Steindachner, 1907]. Type by subsequent designation by Regan (1920b: 14). Gender: Feminine. Type designation made with the unjustified emended name of *Hemipsilichthys calmoni*, and, erroneously, with Ribeiro as author. Subsequent type designation by Gosline (1947: 102) of *Hemipsilichthys duseni* is invalid.

Revision and key to species: Pereira & Reis (2002) as *Hemipsilichthys*, in part.

Pareiorhaphis azygolechis (Pereira & Reis, 2002)

Hemipsilichthys azygolechis Pereira & Reis, 2002: 129, fig. 20 (middle). Type locality: Brazil: Paraná: Guaratuba; rio Araraquara ca. 8 km N of Guaruva (25°57'58"S 48°49'43"W). Holotype: MCP 19670.

Distribution: São João River basin, Brazil (Weber, 2003).

Pareiorhaphis bahianus (Gosline, 1947)

Corymbophanes bahianus Gosline, 1947: 107, pl. 3 (fig. 6). Type locality: Fazenda Almada, Ilheus, Bahia [Brazil]. Holotype: MNRJ 4243.

Distribution: Small drainages near Ilhéus, between Pado and Contas River basins, Brazil (Weber, 2003).

Pareiorhaphis cameroni (Steindachner, 1907)

Psilichthys cameroni Steindachner, 1907a: 82. Type locality: aus dem Fluss Cubataõ im Staate Santa Catharina, Brasilien. Lectotype: ZSM 4837, designated by Pereira & Reis (2002: 104, 106). Illustrated and described in more detail in Steindachner (1907e: 475, pls. 1, 2) as *Hemipsilichthys cameroni*.

Hemipsilichthys calmoni Steindachner, 1908a: 31. Emendation of *Psilichthys cameroni* [see Remarks].

Distribution: Cubatão (southern), Tubarão and Araranguá River basins, Brazil (Weber, 2003).

Remarks: Steindachner (1908a: 31) proposed to correct the name *cameroni* to *calmoni* in order to reflect the correct spelling of the patronym which was stated in Steindachner (1907c: 418) to honor "Dr. Miguel Calmon." However, the spelling *cameroni* appears in the minutes of the meeting, which constitutes the original proposal of the name (Steindachner, 1907a) as well as the invariant spelling in the text and plate captions of the subsequent description (Steindachner, 1907e). Despite this, Pereira & Reis (2002: 104, 106), and Weber (2003: 353) treat *cameroni* as an incorrect spelling. Species redescribed, as *Hemipsilichthys calmoni*, in Steindachner (1910d: 430).

Pareiorhaphis cerosus (Miranda Ribeiro, 1951)

Hemipsilichthys cerosus A. Miranda Ribeiro, in P. Miranda Ribeiro, 1951c: xxxix. Type locality: Not explicitly given. Lectotype: MNRJ 648. Lectotype illustrated in, and designated, by Pereira & Reis (2002: 115, fig. 11). Earlier lectotype proposal in Miranda Ribeiro (1953: 400) considered to be invalid by Pereira & Reis (2002: 117) and Weber (2003).

Distribution: Eastern Brazilian coastal basin; known only from two type specimens (Weber, 2003).

Pareiorhaphis eurycephalus (Pereira & Reis, 2002)

Hemipsilichthys eurycephalus Pereira & Reis, 2002: 131, fig. 21 (middle). Type locality: Brazil: Santa Catarina: Urubici: creek tributary of Rio Canoas East of vila São José, on road to serra do Corvo Branco (28°03'33"S 49°25'42"W). Holotype: MCP 19778.

Distribution: Upper Canoas River basin, Brazil (Weber, 2003).

Pareiorhaphis garbei (Ihering, 1911)

Hemipsilichthys garbei Ihering, 1911: 399. Type locality: no curso superior, montanha acima, do Rio Macahé, no Est. do Rio de Janeiro [...] im Staat Rio de Janiero, im Gebirgeflusse Macahé (ca. 10–15m. Breite, flach und Steinig) im Oberlaufe, d.h. am Gebirgsrande [Brazil]. Lectotype: MZUSP 1163, designated by, and illustrated in, Oliveira (1997: 117, fig. 1).

Distribution: Macaé River basin, Brazil (Weber, 2003).

Remarks: Redescribed in Oliveira (1997).

Pareiorhaphis hypselurus (Pereira & Reis, 2002)

Hemipsilichthys hypselurus Pereira & Reis, 2002: 136, fig. 23 (middle). Type locality: Brazil: Rio Grande do Sul: Maquiné; rio Forqueta tributary to rio Maquiné, 29°32'42"S 50°14'21"W. Holotype MCP 19665.

Distribution: Maquiné, Três Forquillas, Mampituba and Araranguá River basins, Brazil (Weber, 2003).

Pareiorhaphis hystrix (Pereira & Reis, 2002)

Hemipsilichthys hystrix Pereira & Reis, 2002: 134, fig. 22 (middle). Type locality: Brazil: Rio Grande do Sul: Bom Jesus; creek tributary of rio dos Touros, on road from Silveira to Rondinha, 28°39'18"S 50°18'25"W. Holotype MCP 19779.

Distribution: Headwaters of Pelotas, Ijuí and Piratinim River basins; upper Taquari River basin, Brazil (Weber, 2003).

Pareiorhaphis mutuca (Oliveira & Oyakawa, 1999)

Hemipsilichthys mutuca Oliveira & Oyakawa, 1999: 75, fig. 1 (top). Type locality: Brazil: Minas Gerais: Rio das Velhas drainage, County of Nova Lima, Córrego Mutuca, at right side of the road from Belo Horizonte to Nova Lima, km 20 (approx. 20°60'S, 43°55'W). Holotype: MZUSP 37148.

Distribution: Headwaters of Das Velhas River basin, Brazil (Weber, 2003).

Pareiorhaphis nudulus (Reis & Pereira, 1999)

Hemipsilichthys nudulus Reis & Pereira, 1999: 46, fig. 2 (top). Type locality: Rio Jordão, at Jordão Alto (approx. 28°35'S, 49°27'W), Nova Veneza, Santa Catarina, Brazil. Holotype: MCP 20278.

Distribution: Araranguá, Mapituba, Três Forquillas, and Maquiné River basins, Brazil (Weber, 2003).

Pareiorhaphis parmula Pereira, 2005

Pareiorhaphis parmula Pereira, 2005: 272, fig. 1. Type locality: Brazil: Paraná: Lapa: rio Iguaçu basin, rio dos Patos, tributary to rio da Várzea, on road PR-427 from Lapa to Campo do Tenente, 25°50'36.8"S 049°43'39.2"W. Holotype: MCP 35826.

Distribution: Dos Patos River, tributary of Iguaçu River, Parana River basin, Brazil (Pereira, 2005).

Pareiorhaphis regani (Giltay, 1936)

Hemipsilichthys regani Giltay, 1936: 6, fig. 2. Type locality: Rio Curi Curiay, au S. du Rio Negro (Amazon, Brésil). Holotype: IRSNB 47.

Distribution: Curicuriari and possibly Jaú River basins in the Negro River drainage, Brazil (Weber, 2003).

Pareiorhaphis splendens (Bizerril, 1995)

Hemipsilichthys splendens Bizerril, 1995a: 118, fig. 2. Type locality: Brazil: State of Santa Catarina, river Cubatão: near to the city of Joinville. Holotype: MNRJ 13325.

Distribution: Cubatão, Itajaí-Açu, Cubatão, Nhundiaquara and São João River basins, Brazil (Weber, 2003).

Pareiorhaphis steindachneri (Miranda Ribeiro, 1918)

Hemipsilichthys steindachneri Miranda Ribeiro, 1918a: 107. Type locality: Flum. Rio Itapucú (Santa Catharina) [Brazil]. Lectotype: NMW 92790, designated by Pereira & Reis (2002: 109). Originally proposed as *H. steindachneri*, but included in a new genus *Pareiorhaphis*.

Pseudancistrus luderwaldti Miranda Ribeiro 1918d: 632. Type locality: Hansa, Santa Catharina, Brasil. Holotype: MZUSP 2109.

Distribution: Cubatão, Itapocu, and Itajaí-Açu River basins, Brazil (Weber, 2003).

Remarks: Priority of *Hemipsilichthys steindachneri* over *Pseudancistrus luderwaldti* has not been clearly established and may not be resolved by dates of publication; precedence in the absence of a clear indication of priority may be by first reviser action of Pereira & Reis (2002), which is tentatively followed here.

Pareiorhaphis stephanus (Oliveira & Oyakawa, 1999)

Hemipsilichthys stephanus Oliveira & Oyakawa, 1999: 77, fig. 4 (top). Type locality: Brazil: Minas Gerais: Rio Jequitinhonha drainage, County of Diamantina, ribeirão das Pedras, ca. 1300 masl, 3 km north of Diamantina (approx. 18°10'S, 43°37'W). Holotype: MZUSP 36971.

Distribution: Jequitinhonha River basin, Brazil (Weber, 2003).

Pareiorhaphis stomias (Pereira & Reis, 2002)

Hemipsilichthys stomias Pereira & Reis, 2002: 139, fig. 24 (middle). Type locality: Brazil: Santa Catarina: Treviso: rio Mãe Luzia at Forquilha, 28°27'66"S 49°30'06"W. Holotype MCP 19666.

Distribution: Ararangua and Tubarão River basins, Brazil (Weber, 2003).

Pareiorhaphis vestigipinnis (Pereira & Reis, 1992)

Hemipsilichthys vestigipinnis Pereira & Reis, 1992: 113, fig. 2(b). Type locality: Creek tributary of the Rio Caveiras at Painel, on the road from São Joaquim to Lares (approximately 27°55'S, 50°05'W) Lajes, Santa Catarina, Brazil. Holotype: MCP 14344.

Distribution: Headwaters of Canoas River basin, Brazil (Weber, 2003).

PAREIORHINA Gosline, 1947

Pareiorhina Gosline, 1947: 104. Type species: *Rhinelepis rudolphi* Miranda Ribeiro, 1911. Type by original designation. Gender: Feminine.

Key to species: Chamon *et al.* (2005: 555).

Pareiorhina brachyrhyncha Chamon, Aranda & Buckup, 2005

Pareiorhina brachyrhyncha Chamon, Aranda & Buckup, 2005: 551, fig. 1. Type locality: Brazil, State of São Paulo, Município Pindamonhangaba, Bairro Ribeirão Grande (or Teteqüera) and adjacent tributary ditch (Rio Paraíba do Sul drainage), Vera Cruz farm, 22°46'14.1"S, 45°26'42.5"W. Holotype: MNRJ 25033.

Distribution: Paraíba do Sul River basin, São Paulo State, Brazil (Chamon *et al.*, 2005).

Pareiorhina carrancas Bockmann & Ribeiro, 2003

Pareiorhina carrancas Bockmann & Ribeiro, 2003: 232, fig. 1. Type locality: Brazil, Minas Gerais: município of Carrancas, córrego Debaixo da Serra (an upper course tributary of córrego do Beijinho, a left margin affluent of rio Grande at Reservoir of Camargos), in piedmont of Serra de Carrancas (44°36'08.7"W, 21°26'39.7"S). Holotype: LIRP 2280.

Distribution: Upper Rio Grande basin, of Upper Parana River system, Brazil (Bockmann & Ribeiro, 2003).

Pareiorhina rudolphi (Miranda Ribeiro, 1911)

Plecostomus (*Rhinelepis*) *microps* Ihering, 1907: 24. Type locality: Piquete (Lorena), Estado de São Paulo [Brazil]. Holotype: MZUSP 2154. Previously unpublished illustration of holotype reproduced in Bockmann & Ribeiro (2003: fig. 6). Preoccupied by *Plecostomus microps* Steindachner, 1876; replaced by *Rhinelepis rudolphi* Miranda Ribeiro, 1911.

Rhinelepis rudolphi Miranda Ribeiro, 1911: 84. Type locality: Piquete (Lorena), Estado de São Paulo [Brazil]. Holotype: MZUSP 2154. Replacement name for *Plecostomus microps* Ihering, 1907.

Distribution: Paraíba do Sul River near Lorena, São Paulo State, Brazil (Weber, 2003).

PAROTOCINCLUS Eigenmann & Eigenmann, 1889

Parotocinclus Eigenmann & Eigenmann, 1889b: 41. Type species: *Otocinclus maculicauda* Steindachner, 1877. Type by monotypy. Gender: Masculine. Proposed originally as a subgenus of *Hisonotus*.

Revision: Garavello (1976).

Reviews: Schaefer & Provenzano (1993, Guiana Shield); Lacerda & Evers (1996, Brazil).

Key: Garavello & Britski (2003, eastern Brazilian coastal rivers).

Parotocinclus amazonensis Garavello, 1976

Parotocinclus amazonensis Garavello, 1976: 7, figs. 21–22. Type locality: Ilha Sorubim, Rio Solimões, Amazonas, Brazil. Holotype: MZUSP 10145.

Distribution: Amazon River basin, Brazil (Schaefer, 2003c).

Parotocinclus aripuanensis Garavello, 1988

Parotocinclus aripuanensis Garavello, 1988: 122, fig. 3. Type locality: Ingazeiro, 20 km upstream of Boca do Rio Canumã, Aripuanã, MT, Brazil. Holotype: MZUSP 36899.

Distribution: Aripuanã River basin, Brazil (Schaefer, 2003c).

Parotocinclus bahiensis (Miranda Ribeiro, 1918)

Microlepidogaster bahiensis Miranda Ribeiro, 1918d: 635. Type locality: Villa Nova, E. da Bahia [Brazil]. Syntypes: MZUSP 1071, lost (Britski, 1969).

Distribution: Bahia State, Brazil (Schaefer, 2003c).

Parotocinclus bidentatus Gauger & Buckup, 2005

Parotocinclus bidentatus Gauger & Buckup, 2005: 512, fig. 5. Type locality: rio Pirapetinga (left bank tributary of rio Paraíba do Sul), Resende (22°28'08"S 44°26'48"W), Rio de Janeiro State, Brazil. Holotype: MNRJ 27962.

Distribution: Pirapetinga and Calçado Rivers, Paraíba do Sul River basin, Rio de Janeiro, Brazil (Gauger & Buckup, 2005).

Parotocinclus britskii Boeseman, 1974

Parotocinclus britskii Boeseman, 1974: 267, fig. 2; pl. 2. Type locality: Left tributary of Coppename River, Surinam, 3°51'N, 56°55'W. Holotype: ZMA 106593.

Distribution: Orinoco River basin and Atlantic coastal drainages of the Guianas (Schaefer, 2003c).

Parotocinclus cearensis Garavello, 1976

Parotocinclus cearensis Garavello, 1976: 14, figs. 19–20. Type locality: Cachoeira do Gusmão, Ipu, Ceará, Brazil. Holotype: MNRJ 10176.

Distribution: Ceará State, Brazil (Schaefer, 2003c).

Parotocinclus cesarpinto Miranda Ribeiro, 1939

Parotocinclus cesarpinto Miranda Ribeiro, P., 1939b: 364, fig. Type locality: Vila de Quebrângulo, no Estado de Alagoas [Brazil]. Syntypes (2, 45–55 mm TL): possibly MNRJ 1022 (2 of 7), or MNRJ 1024 (2).

Distribution: Paraíba do Sul River basin, Brazil (Schaefer, 2003c).

Parotocinclus collinsae Schmidt & Ferraris, 1985

Parotocinclus collinsae Schmidt & Ferraris, 1985: 341, figs. 1–3. Type locality: Tributary to Takutu River, ca. 2 mi. from Mazarhally Takutu Lumber Camp in Takutu mountains, 6°15'N, 59°5'W, Essequibo, Guyana. Holotype: AMNH 55433.

Distribution: Essequibo River basin, Guyana (Schaefer, 2003c).

Parotocinclus cristatus Garavello, 1976

Parotocinclus cristatus Garavello, 1976: 6, figs. 9–10. Type locality: Fazenda Almada, Ilhéus, Bahia, Brazil. Holotype: MNRJ 10132.

Distribution: Coastal rivers near Ilhéus, Bahia State, Brazil (Schaefer, 2003c).

Parotocinclus doceanus (Miranda Ribeiro, 1918)

Microlepidogaster doceanus Miranda Ribeiro, 1918d: 634. Type locality: Rio Doce, E. Santo [Brazil]. Holotype: MZUSP 1016.

Distribution: Doce River basin, Brazil (Schaefer, 2003c).

Parotocinclus eppleyi Schaefer & Provenzano, 1993

Parotocinclus eppleyi Schaefer & Provenzano, 1993: 46, figs. 5–6. Type locality: Caño Curicurito, ca. 1 km above its mouth into the Río Autana, Amazonas, Venezuela, 4°47'N, 67°25'W. Holotype: MBUCV V-22530.

Distribution: Upper and middle Orinoco River basin, Venezuela (Schaefer, 2003c).

Parotocinclus haroldoi Garavello, 1988

Parotocinclus haroldoi Garavello, 1988: 118, fig. 1. Type locality: Córrego do Otaviano, Poço do Sanharó, Riacho Sanharó, Piauí, Brazil. Holotype: MNRJ 10531.

Distribution: Piauí State, Brazil (Schaefer, 2003c).

Parotocinclus jimi Garavello, 1976

Parotocinclus jimi Garavello, 1976: 9, figs. 25–26. Type locality: Rio do Peixe, small tributary of Rio de Contas, Fazenda Pedra Branca, Itagibá, Bahia, Brazil. Holotype: MZUSP 12133.

Distribution: Bahia State, Brazil (Schaefer, 2003c).

Parotocinclus jumbo Britski & Garavello, 2002

Parotocinclus jumbo Britski & Garavello, 2002: 280, fig. 1. Type locality: Brazil: Paraíba: rio Paraíba do Norte, at bridge on road PB 408, NW of Umbuzeiro (7 38'27"S 35 42'30"W). Holotype: MZUSP 69513.

Distribution: Coastal rivers in Ceará, Paraíba, Pernambuco and Alagoas States, Brazil (Schaefer, 2003c).

Parotocinclus longirostris Garavello, 1988

Parotocinclus longirostris Garavello, 1988: 120, fig. 2. Type locality: Rio Preto da Eva, Manaus-Itacoatiara highway, km 80, Manaus, Amazonas, Brazil. Holotype: MZUSP 36891.

Distribution: Amazon River basin, Brazil (Schaefer, 2003c).

Parotocinclus maculicauda (Steindachner, 1877)

Otocinclus maculicauda Steindachner, 1877c: 222, pl. 1 (figs. 2–2b). Type locality: Santa Cruz, Rio Quenda in vicinity of Rio de Janeiro, Brazil. Lectotype: NMW 45381: 1, designated by, and illustrated in, Schaefer (1996b: 1034, fig. 2).

Parotocinclus steindachneri Di Caporiacco, 1948: 201, fig. 2. Type locality: Rio Novo, Santa Catarina, Brazil. Syn-types: MZUF 5565 (1).

Distribution: Coastal rivers between Santa Catarina and Rio de Janeiro States, Brazil (Schaefer, 2003c).

Parotocinclus minutus Garavello, 1976

Parotocinclus minutus Garavello, 1976: 15, figs. 13–14. Type locality: Rio Vasa-Barris, Canudos, Bahia, Brazil. Holotype: MNRJ 10135.

Distribution: Vasa-Barris River basin, Brazil (Schaefer, 2003c).

Parotocinclus muriaensis Gauger & Buckup, 2005

Parotocinclus muriaensis Gauger & Buckup, 2005: 514, fig. 7. Type locality: rio Muriaé river (left bank tributary of rio Paraíba do Sul), approx. 21°15'S 41°45'W, Município de Itaperuna, Rio de Janeiro State, Brazil. Holotype: MNRJ 28528.

Distribution: Itaperuna River, Paraíba do Sul River basin, Rio de Janeiro, Brazil (Gauger & Buckup, 2005).

Parotocinclus planicauda Garavello & Britski, 2003

Parotocinclus planicauda Garavello & Britski, 2003: 254, fig. 1. Type locality: Brazil. Minas Gerais, Coroaci, Suaçui Pequeno River, barro do Rochedo, at Antonio Pereira de Oliveira farm, 20 km from Coroaci. Holotype: MZUSP 75071.

Distribution: Doce river basin, Minas Gerais, Brazil (Garavello & Britski, 2003).

Parotocinclus polyochrus Schaefer, 1988

Parotocinclus polyochrus Schaefer, 1988: 184, figs. 1–2. Type locality: Río Mawarinuma tributary at Neblina base camp, Terr. Federal Amazonas, Venezuela, 0°55'N, 66°10'W, elev. 120 m. Holotype: AMNH 74482.

Distribution: Baria River, Upper Negro River basin, Venezuela (Schaefer, 2003c).

Parotocinclus prata Ribeiro, Melo & Pereira, 2002

Parotocinclus prata Ribeiro, Melo & Pereira, 2002: 218, fig. 1. Type locality: Brazil: Minas Gerais: rio São Francisco basin, município de Presidente Olegário, headwaters of rio da Prata, stream tributary of ribeirão Quiricó, fazenda São Zeferino, near Galena; approximately 18°22'S 46°14.3'W. Holotype: MZUSP 68359.

Distribution: Upper São Francisco River basin, Brazil (Schaefer, 2003c).

Parotocinclus spilosoma (Fowler, 1941)

Plecostomus spilosoma Fowler, 1941a: 152, figs. 53–55. Type locality: Campina Grande, Parahyba, Brazil. Holotype: ANSP 69410.

Distribution: Paraíba State, Brazil (Schaefer, 2003c).

Parotocinclus spilurus (Fowler, 1941)

Plecostomus spilurus Fowler, 1941a: 148, figs. 47–49. Type locality: Rio Salgade, Icó, Ceará, Brazil. Holotype: ANSP 69403.

Distribution: Ceará State, Brazil (Schaefer, 2003c).

PECKOLTIA Miranda Ribeiro, 1912

Peckoltia Miranda Ribeiro, 1912: 7. Type species: *Chaetostomus vittatus* Steindachner, 1881. Type by monotypy. Gender: Feminine.

Peckoltichthys Miranda Ribeiro, 1917: 49. Type species: *Peckoltichthys filicaudatus* Miranda Ribeiro, 1917. Type by monotypy. Gender: Masculine.

Ancistomus Isbrücker & Seidel, in Isbrücker *et al.*, 2001: 17. Type species: *Ancistrus snethlageae* Steindachner, 1911. Type by original designation. Gender: Masculine.

Sophiancistrus Isbrücker & Seidel, in Isbrücker *et al.*, 2001: 21. Type species: *Hemiancistrus ucayalensis* Fowler, 1940. Type by original designation. Gender: Masculine.

Remarks: Miranda Ribeiro submitted a manuscript for publication in which *Peckoltichthys* was proposed as a

replacement for *Peckoltia*, which he considered to be preoccupied by an identical generic name in Botany. The publication of that manuscript was delayed until 1920 (Miranda Ribeiro, 1920) and was preceded by Miranda Ribeiro (1917), in which *Peckoltichthys* was published with only one included species, *P. filicaudatus*, and no indication that the name was intended as a replacement. Therefore, *Peckoltichthys* must be considered to have been proposed with *P. filicaudatus* as type, by monotypy and not, as indicated in Miranda Ribeiro (1920) as a replacement name with *Chaetostomus vittatus* as type. The newly proposed generic names *Sophiancistrus* Isbrücker & Seidel and *Ancistomus* Isbrücker & Seidel were considered by Fisch-Muller (2003) to be unwarranted.

Peckoltia arenaria (Eigenmann & Allen, 1942)

Hemiancistrus arenarius Eigenmann & Allen, 1942: 185, pl. 6 (fig. 2). Type locality: Yurimaguas. Holotype: CAS 77323.

Distribution: Upper Amazon River basin, Peru (Fisch-Muller, 2003).

Peckoltia bachi (Boulenger, 1898)

Chaetostomus bachi Boulenger, 1898e: 425, pl. 41 (fig. 1). Type locality: Rio Jurua, an affluent of the Amazons, Brazil. Holotype: BMNH 1897.12.1.61.

Distribution: Juruá River basin, Brazil (Fisch-Muller, 2003).

Peckoltia braueri (Eigenmann, 1912)

Hemiancistrus braueri Eigenmann, 1912b: 232, pl. 28 (fig. 1). Type locality: Takutu, British Guiana. Holotype: ZMB 3174 (larger specimen).

Distribution: Upper Negro and Branco River basins; Brazil and Guyana (Armbruster & Werneke, 2005).

Remarks: Redescribed in Armbruster & Werneke (2005:2).

Peckoltia brevis (La Monte, 1935)

Hemiancistrus brevis La Monte, 1935: 3, fig. 2. Type locality: Rio Purus, Brazil; in the vicinity of the mouth of Rio Macauhan, a tributary of Rio Yaco, which, in turn, is a tributary of Rio Purus (69°W., 9°20'S.). Holotype: AMNH 12602.

Distribution: Purus River basin, Brazil (Fisch-Muller, 2003).

Peckoltia cavatica Armbruster & Werneke, 2005

Peckoltia cavatica Armbruster & Werneke, 2005: 8, figs. 2 (bottom), 4. Type locality: Guyana, Rupununi (Region 9), 3.7 km SSE Massara, 03.86228°, -059.28439°. Holotype: UG/CSBD 11043.

Distribution: Upper Rupununi River, Guyana (Armbruster & Werneke, 2005).

Peckoltia filicaudata (Miranda Ribeiro, 1917)

Peckoltichthys filicaudatus Miranda Ribeiro, 1917: 49. Type locality: Fluvio Solimões [Brazil]. Holotype: MNRJ 969.

Distribution: Upper Amazon River basin, Brazil; known only from holotype (Fisch-Muller, 2003).

Peckoltia furcata (Fowler, 1940)

Chaetostomus furcatus Fowler, 1940a: 238, figs. 28–29. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68655.

Distribution: Ucayali River basin, Peru; known only from holotype (Fisch-Muller, 2003).

Peckoltia kuhlmanni (Miranda Ribeiro, 1920)

Peckoltichthys kuhlmanni Miranda Ribeiro, 1920: 10, pl. 5 (middle). Type locality: Tapajós [Brazil]. Lectotype: MNRJ 2044A, designated by Miranda Ribeiro (1953: 401), but specimen not isolated.

Distribution: Tapajós River basin, Brazil (Fisch-Muller, 2003).

Peckoltia oligospila (Günther, 1864)

Chaetostomus oligospilus Günther, 1864: 244. Type locality: River Capin [Brazil]. Holotype: BMNH 1849.11.8, illustrated in Regan (1904b: 232, pl. 12 fig. 1).

Distribution: Lower Amazon River basin, Brazil (Fisch-Muller, 2003).

Peckoltia sabaji Armbruster, 2003

Peckoltia sabaji Armbruster, 2003b: 6, figs. 2–4. Type locality: Guyana: Rupununi (Region 9), Essequibo River Dr., Rupununi R. 5.9 km WSW village of Sand Creek, 02.96656°, -059.56943°. Holotype: UG/CSBD 11041.

Distribution: Rupununi, Essequibo and Takutu River basins, Guyana, and Casiquiare and Orinoco basins, Venezuela

(Armbruster, 2003b).

Peckoltia snethlageae (Steindachner, 1911)

Ancistrus snethlageae Steindachner, 1911a: 328. Type locality: Rio Tapajoz bei Villa Braga und Goyana [Brazil].

Syntypes: NMW 48049 (1), NMW 48050 (1).

Distribution: Tapajós River basin, Brazil (Fisch-Muller, 2003).

Remarks: Recently placed by Isbrücker & Seidel (in Isbrücker, 2001a: 17) in the monotypic genus *Ancistomus*.

Peckoltia ucayalensis (Fowler, 1940)

Hemiancistrus ucayalensis Fowler, 1940a: 235, figs. 24–25. Type locality: Ucayali River, Contamana, Peru. Holotype: ANSP 68651.

Distribution: Ucayali River basin, Peru (Fisch-Muller, 2003).

Peckoltia vermiculata (Steindachner, 1908)

Ancistrus vittatus vermiculata Steindachner, 1908f: 166. Type locality: dem mittleren Laufe des Amazonestrommes, den Gewässern um Pará, Brasiliens. Syntypes: NMW 48056 (1), NMW 48059 (1), NMW 48064 (1). Originally as *Ancistrus vittatus* var. *vermiculata*.

Distribution: Middle and lower Amazon River basin, Brazil (Fisch-Muller, 2003).

Peckoltia vittata (Steindachner, 1881)

Chaetostomus vittatus Steindachner, 1881c: 115, pl. 2 (fig. 5). Type locality: Amazonen-Strom, Tajapouru, Xingu bei Porto de Moz, Rio Madeira [Brazil]. Syntypes: MCZ 7999 (1), MCZ 8017 (1), NMW 47225 (1), NMW 47226 (1), NMW 47227 (1), NMW 47228 (2).

Distribution: Middle and lower Amazon River basin, Brazil (Fisch-Muller, 2003).

PLANILORICARIA Isbrücker, 1971

Planiloricaria Isbrücker, 1971b: 276. Type species: *Pseudohemiodon (Planiloricaria) cryptodon* Isbrücker, 1971.

Type by original designation. Gender: Feminine. Originally proposed as a subgenus of *Pseudohemiodon*.

Remarks: Diagnosed and distinguished in key from related genera in Isbrücker & Nijssen (1986a).

Planiloricaria cryptodon (Isbrücker, 1971)

Pseudohemiodon (Planiloricaria) cryptodon Isbrücker, 1971b: 278, fig. 3. Type locality: Peru: Río Ucayali near Pucallpa. Holotype: ZFMK 1865. Holotype illustrated in Isbrücker (1979b: fig. 4).

Distribution: Ucayali, Purus, and Mamoré River basins, Upper Amazon drainage (Isbrücker & Nijssen, 1986a).

Remarks: Redescribed in Isbrücker & Nijssen (1986a).

POGONOPOMA Regan, 1904

Pogonopoma Regan, 1904b: 205. Type species: *Plecostomus wertheimeri* Steindachner, 1867. Type by subsequent designation by Eigenmann (1910: 407). Gender: Neuter. Originally proposed as subgenus of *Plecostomus*.

Pogonopomoides Gosline, 1947: 109. Type species: *Rhinelepis parahybae* Steindachner, 1877. Type by original designation. Gender: Neuter.

Revision: Quevedo & Reis (2002).

Pogonopoma obscurum Quevedo & Reis, 2002

Pogonopoma obscurum Quevedo & Reis, 2002: 405, fig. 3 (middle). Type locality: Rio Canoas at road from Anita Garibaldi to Abdon Batista (approximately 27°39'S, 51°05'W) Santa Catarina, Brazil. Holotype MCP 25036.

Distribution: Upper Uruguay River basin, Brazil (Weber, 2003).

Pogonopoma parahybae (Steindachner, 1877)

Rhinelepis Parahybae Steindachner, 1877c: 218, pl. 2. Type locality: aus dem Parahyba [Brazil]. Syntypes: MCZ 7756 (4), NMW 44556 (1), NMW 44557 (1), NMW 44558 (1).

Distribution: Paraíba do Sul River basin, Brazil (Weber, 2003).

Remarks: Redescribed (in *Pogonopomoides*) in Armbruster (1998a: 629).

Pogonopoma wertheimeri (Steindachner, 1867)

Plecostomus Wertheimeri Steindachner, 1867c: 119. Type locality: dem Fluss Mucuri im gleichnamige Districte bei Santa Clara, in Brasilien. Holotype: NMW 44288; illustrated in Steindachner (1867f: 701, pl. 1).

Distribution: Mucuri and São Mateus River basins, Brazil (Weber, 2003).

Remarks: Redescription in Armbruster (1998a: 629).

PROLORICARIA Isbrücker, 2001

Proloricaria Isbrücker, in Isbrücker *et al.*, 2001: 21. Type species: *Loricaria prolixa* Isbrücker & Nijssen, 1978.
Type by original designation. Gender: Feminine.

Proloricaria lentiginosa (Isbrücker, 1979)

Loricaria prolixa lentiginosa Isbrücker, 1979a: 97, fig. 9. Type locality: Brésil, Est. Sao Paulo, haut bassin du Rio Parana, Represa de Volta Grande, Rio Grande. Holotype: MZUSP 13188.

Distribution: Upper Paraná River basin, Brazil (Isbrücker, 1979).

Proloricaria prolixa (Isbrücker & Nijssen, 1978)

Loricaria prolixa Isbrücker & Nijssen, 1978a: 188, fig. 5. Type locality: Brazil, Est. São Paulo, Rio Piracicaba through River Tietê, Rio Paraná system. Holotype: NMW 45091.

Distribution: Upper Paraná River drainage, La Plata basin, Brazil (Isbrücker & Nijssen, 1978).

PSEUDACANTHICUS Bleeker, 1862

Pseudacanthicus Bleeker, 1862 (in Bleeker, 1862–63): 2. Type species: *Hypostomus serratus* Valenciennes, 1840.
Type by original designation. Gender: Masculine.

Stoneiella Fowler, 1914: 271. Type species: *Stoneiella leopardus* Fowler, 1914. Type by original designation. Gender: Feminine.

Monophyly: Schaefer (1986: 113).

Pseudacanthicus fordii (Günther, 1868)

Chaetostomus Fordii Günther, 1868a: 476. Type locality: Surinam [Probably Suriname (Günther, 1868b)]. Syntypes (4): BMNH 1866.8.14.148 and BMNH 1866.8.14.152 (4), BMNH 1866.8.14.150 (1), BMNH 1866.8.14.151 (1). Species illustrated and described in more detail, with additional comments on type locality, in Günther (1868b: 231, pl. 21).

Distribution: Coastal drainages of Suriname (Fisch-Muller, 2003).

Pseudacanthicus histrix (Valenciennes, 1840)

Rinelepis histrix Valenciennes, in Cuvier & Valenciennes, 1840b: 486 (359 in Strasbourg deluxe edition). Type locality: [No locality stated]. No types known; description based on unpublished manuscript and illustrations by Vandelli. Illustration of type reproduced by Capello (1870: pl. 7), and França (1922: fig. 9).

Loricaria spinosae Ferreira, in França, 1922: 84, fig. 9. Type locality: in Fluminis Amazonici. No types known.

Distribution: Negro and lower Amazon River basins, Brazil (Fisch-Muller, 2003).

Pseudacanthicus leopardus (Fowler, 1914)

Stoneiella leopardus Fowler, 1914: 271, fig. 17. Type locality: Rupununi River, British Guiana ... in the highlands of British Guiana, approximately secured in North Latitude 2° to 3°, and West Longitude 50°20'. Holotype: ANSP 39345.

Distribution: Rupununi River basin, Guyana (Fisch-Muller, 2003).

Pseudacanthicus serratus (Valenciennes, 1840)

Hypostomus serratus Valenciennes, in Cuvier & Valenciennes, 1840b: 503 (372 in Strasbourg deluxe edition). Type locality: rapportée de Surinam. Holotype: RMNH 3125.

Distribution: Coastal drainages of the Guianas (Fisch-Muller, 2003).

Pseudacanthicus spinosus (Castelnau, 1855)

Hypostomus spinosus Castelnau, 1855: 45, pl. 22 (fig. 3). Type locality: la rivière des Amazones. Holotype: MNHN a-9577.

Distribution: Amazon River basin, Brazil (Fisch-Muller, 2003).

PSEUDANCISTRUS Bleeker, 1862

Pseudancistrus Bleeker, 1862 (in Bleeker, 1862–63): 2. Type species: *Hypostomus barbatus* Valenciennes, 1840.
Type by original designation. Gender: Masculine.

Lithoxancistrus Isbrücker, Nijssen & Cala, 1988: 14. Type species: *Lithoxancistrus orinoco* Isbrücker, Nijssen & Cala, 1988. Type by original designation. Gender: Masculine.

Guyanancistrus Isbrücker, in Isbrücker *et al.*, 2001: 19. Type species: *Lasiancistrus brevispinis* Heitmans, Nijssen & Isbrücker, 1983. Type by original designation. Gender: Masculine.

Monophyly: Synonymy and species composition follows Armbruster (2004a, b).

Pseudancistrus barbatus (Valenciennes, 1840)

Hypostomus barbatus Valenciennes, in Cuvier & Valenciennes, 1840b: 506 (374 in Strasbourg deluxe edition). Type locality: La Mana [French Guiana]. Holotype: MNHN a-9564.

Hypostomus guttatus Valenciennes, in Cuvier & Valenciennes, 1840b: 508 (375 in Strasbourg deluxe edition). Type locality: Surinam. Holotype: RMNH 3126, illustrated in Bleeker (1864: 10, pl. 2 fig. 2, pl. 3 fig. 3).

Distribution: Major river basins of Guianas: Oyapock, Mana, Maroni, Suriname, Corantijn, and Essequibo (Fisch-Muller, 2003).

Pseudancistrus brevispinis (Heitmans, Nijssen & Isbrücker, 1983)

Lasiancistrus brevispinis Heitmans, Nijssen & Isbrücker, 1983: 38, fig. 4 (middle). Type locality: Surinam, Nickerie River system, district Nickerie, Fallawatra River, rapid 5 km S. W. of Stondansie Fall. Holotype: ZMA 107.740.

Distribution: Atlantic coastal drainages of the Guianas, from Nickerie to Oyapock River basins, (Fisch-Muller, 2003).

Remarks: Redescribed in Le Bail *et al.* (2000: 236, fig.).

Pseudancistrus coquenani (Steindachner, 1915)

Ancistrus (Pseudancistrus) coquenani Steindachner, 1915e: 90, pl. 11 (fig. 3). Type locality: dem Coquenanusflusse, einem Nebenflusse des Caroni in Venezuela. Syntypes (3): NMW 48023 (2). Name proposed conditionally as “*coquenani* n. sp.? an *A. Güntheri* Regan female.”

Distribution: Kukenan River basin in upper Caroni River drainage, Venezuela (Fisch-Muller, 2003).

Pseudancistrus depressus (Günther, 1868)

Chaetostomus depressus Günther, 1868a: 476. Type locality: Surinam. Holotype: BMNH 1866.8.14.139. Described in more detail in Günther (1868b: 232).

Distribution: Unknown locality in Suriname (Fisch-Muller, 2003).

Pseudancistrus genisetiger Fowler, 1941

Pseudancistrus genisetiger Fowler, 1941a: 155, figs. 59–62. Type locality: Rio Jaguaribe, Orós, Ceará [Brazil]. Holotype: ANSP 69441.

Distribution: Jaguaribe River basin, Brazil (Fisch-Muller, 2003).

Pseudancistrus guentheri (Regan, 1904)

Ancistrus guentheri Regan, 1904b: 241, pl. 12 (fig. 3). Type locality: British Guiana. Holotype: BMNH 1978.3.2.1.

Distribution: Unknown locality in Guyana (Fisch-Muller, 2003).

Pseudancistrus longispinis (Heitmans, Nijssen & Isbrücker, 1983)

Lasiancistrus longispinis Heitmans, Nijssen & Isbrücker, 1983: 45, fig. 8 (middle). Type locality: French Guiana, Oyapock River system: Camopi River at Pauwé Jean-Jean, upstream of Saut Mauvais (03°11'N 52°22'W). Holotype: IRSNB 612.

Distribution: Oyapock River basin, French Guiana (Fisch-Muller, 2003).

Pseudancistrus niger (Norman, 1926)

Hemiancistrus niger Norman, 1926b: 96. Type locality: Oyapock River at Sant [sic] Cafesoca, French Guiana. Lectotype: BMNH 1926.3.2.756, designated by Heitmans *et al.* (1983: 35).

Distribution: Oyapock River basin, French Guiana (Fisch-Muller, 2003).

Pseudancistrus nigrescens Eigenmann, 1912

Pseudancistrus nigrescens Eigenmann, 1912b: 234, pl. 25 (fig. 2). Type locality: Amatuk, British Guiana. Holotype: FMNH 53105.

Distribution: Upper Potaro River basin, Guyana (Fisch-Muller, 2003).

Pseudancistrus orinoco (Isbrücker, Nijssen & Cala, 1988)

Lithoxancistrus orinoco Isbrücker, Nijssen & Cala, 1988: 14, fig. 1 (top). Type locality: Colombie, Province de Vichada, Rio Orinoco, à la cascade (=raudal) près de l'embouchure du Rio Tuparro. Holotype: ICNMHN 1200.

Distribution: Orinoco River basin (Fisch-Muller, 2003).

Pseudancistrus papariae Fowler, 1941

Pseudancistrus papariae Fowler, 1941a: 157, figs. 63–65. Type locality: Lago Papary, Rio Grande do Norte [Brazil]. Holotype: ANSP 69442.

Distribution: Lake Papari and Jaguaribe River basin, Brazil (Fisch-Muller, 2003).

***Pseudancistrus sidereus* Armbruster, 2004**

Pseudancistrus sidereus Armbruster, 2004b: 8, fig. 3. Type locality: Venezuela, Amazonas, Rio Orinoco dr.: 175.6, Río Siapa from 10 to 15 km downstream, Río Casiquiare – Río Negro dr., 01.50000°, –065.71667°. Holotype: MCNG 26125.

Distribution: Upper Orinoco River and Casiquiare, Amazonas, Venezuela (Armbruster, 2004b).

PSEUDOHEMIODON Bleeker, 1862

Pseudohemiodon Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Hemiodon platycephalus* Kner, 1853. Type by original designation. Gender: Masculine.

***Pseudohemiodon amazonus* (Delsman, 1941)**

Loricaria apeltogaster amazonum Delsman, 1941: 80. Type locality: Trombetas-river, near Obidos [Brazil]. Holotype: IRSNB 546. Originally as *Loricaria apeltogaster* var. *amazonum*.

Distribution: Lower Amazon River basin, Brazil.

***Pseudohemiodon apithanos* Isbrücker & Nijssen, 1978**

Pseudohemiodon apithanos Isbrücker & Nijssen, 1978a: 195, fig. 6. Type locality: Ecuador, Prov. Napo, Río Conejo, a tributary of Río San Miguel, vicinity of Santa Cecilia, 0°06'N, 76°51'W, upper Río Amazonas system. Holotype: ANSP 134370.

Distribution: San Miquel River basin, Western Amazon River drainage, Ecuador.

***Pseudohemiodon devincenzii* (Soriano-Señorans, 1950)**

Loricaria devincenzii Soriano-Señorans, 1950: 265. Type locality: sobre fondo de arena fangosa con red de playa, a 200 metros aqua abajo d la desembocadura del arroyo Espinillar, en el Río Uruguay, Rep. Oriental del Uruguay, departamento de Salto. Holotype: MHNM (apparently lost, Olazarri *et al.*, 1970).

Distribution: Uruguay River basin, Uruguay.

***Pseudohemiodon laminus* (Günther, 1868)**

Loricaria lamina Günther, 1868a: 478. Type locality: Xeberos (Upper Amazon). Lectotype: BMNH 1867.6.13.33, designated by Isbrücker (1973: 186). Illustrated and described in more detail in Günther (1868b: 239, figs. 6, 7).

Distribution: Upper Amazon River basin, Peru.

***Pseudohemiodon laticeps* (Regan, 1904)**

Loricaria laticeps Regan, 1904b: 295, pl. 20 (fig. 1). Type locality: Paraguay. Lectotype: BMNH 1895.5.17.113, designated by Isbrücker (1973: 187).

Distribution: Uruguay, Paraná and Paraguay River basins.

***Pseudohemiodon platycephalus* (Kner, 1853)**

Hemiodon platycephalus Kner, 1853a: 12, 25, pl. 1 (fig. 6), pl. 6 (fig. 2a–b). Type locality: Rio Cuiaba [Brazil]. Holotype: lost (Isbrücker, 1980: 122). Originally as *Hem. ? platycephalus*.

Distribution: Paraguay River basin, Brazil.

***Pseudohemiodon thorectes* Isbrücker, 1975**

Pseudohemiodon thorectes Isbrücker, 1975a: 87, fig. 1. 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: BMNH 1927.10.4.43.

Distribution: Mamoré River basin, Bolivia.

PSEUDOLITHOXUS Isbrücker & Werner, 2001

Pseudolithoxus Isbrücker & Werner, in Isbrücker *et al.*, 2001: 21. Type species: *Lasiancistrus tigris* Armbruster & Provenzano, 2000. Type by original designation. Gender: Masculine.

Remarks: This genus corresponds to the *Lasiancistrus anthrax* species group of Armbruster & Provenzano (2000).

***Pseudolithoxus anthrax* (Armbruster & Provenzano, 2000)**

Lasiancistrus anthrax Armbruster & Provenzano, 2000: 243, fig. 1B. Type locality: Venezuela, Estado Amazonas,

Río Orinoco backwater behind sand beach ca. 0.5 hr. upstream from Isla Temblador, 03°04'N 66°28'W. Holotype: MBUCV V-18384.

Distribution: Upper and lower Orinoco tributaries, Caura and Aro rivers, Venezuela (Fisch-Muller, 2003).

Pseudolithoxus dumus (Armbruster & Provenzano, 2000)

Lasiancistrus dumus Armbruster & Provenzano, 2000: 246, fig. 3B. Type locality: Venezuela, Estado Amazonas, Río Orinoco, backwater behind sand playa circa 0.5 hr. upstream from Isla Temblador, 03°04'N 66°28'W. Holotype: MBUCV V-17544.

Distribution: Upper Orinoco, upper Negro and Casiquiare River basins, Venezuela (Fisch-Muller, 2003).

Pseudolithoxus nicoi (Armbruster & Provenzano, 2000)

Lasiancistrus nicoi Armbruster & Provenzano, 2000: 249, fig. 4B. Type locality: Venezuela, Estado Amazonas, Departamento Río Negro, Río Manipitare (Río Siapa drainage), from about 5 to 8 km upstream from confluence with Río Siapa. Holotype: MCNG 37033.

Distribution: Upper Negro River basin, including Canal Casiquiare basin, Venezuela (Fisch-Muller, 2003).

Pseudolithoxus tigris (Armbruster & Provenzano, 2000)

Lasiancistrus tigris Armbruster & Provenzano, 2000: 251, fig. 5B. Type locality: Venezuela, Estado Amazonas, backwater of Río Orinoco behind sand playa circa 0.5 hr. upstream from Isla Temblador, 03°04'N 66°28'W. Holotype: MBUCV V-17546.

Distribution: Upper Orinoco and Ventuari River basins, Venezuela (Fisch-Muller, 2003).

PSEUDOLORICARIA Bleeker, 1862

Pseudoloricaria Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Loricaria laeviuscula* Valenciennes, 1840. Type by original designation. Gender: Feminine.

Revision: Isbrücker & Nijssen (1976a).

Pseudoloricaria laeviuscula (Valenciennes, 1840)

Loricaria laeviuscula Valenciennes, in Cuvier & Valenciennes, 1840b: 476 (p. 352 of Strasbourg deluxe edition). Type locality: [Locality unknown]. Holotype: MNHN b-0365.

Distribution: Lower and middle Amazon basin, including Negro and Branco rivers, Brazil (Isbrücker & Nijssen, 1976a).

PSEUDORINELEPIS Bleeker, 1862

Pseudorinelepis Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Rinelepis genibarbis* Valenciennes, 1840. Type by original designation. Gender: Feminine.

Canthopomus Eigenmann, 1910: 407. Type species: *Rhinelepis genibarbis* Valenciennes, 1840. Type by original designation. Gender: Feminine. Designation by Eigenmann & Allen (1942: 183) of *Rhinelepis agassizii* Steindachner as type is invalid.

Monistiancistrus Fowler, 1940a: 236. Type species: *Monistiancistrus carachama* Fowler, 1940. Type by original designation. Gender: Masculine.

Relationships: Armbruster (1998a: 631).

Pseudorinelepis genibarbis (Valenciennes, 1840)

Rinelepis genibarbis Valenciennes, in Cuvier & Valenciennes, 1840b: 484 (357 in Strasbourg deluxe edition), pl. 453. Type locality: probablement du Brésil. Holotype (15 pouces): at MNHN.

Rhinelepis Agassizii Steindachner, 1877c: 228. Type locality: am See Manacapouru [Brazil]. Syntypes: MCZ 8007 (1), NMW 44559 (3), NMW 445560 (1), NMW 44561 (1).

Plecostomus pellegrini Regan, 1904b: 218. Type locality: from Upper Amazon. Holotype: MNHN a-3956.

Monistiancistrus carachama Fowler, 1940a: 236, figs. 26–27. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68654.

Distribution: Upper Amazon River basin (Weber, 2003).

Remarks: Redescribed in Armbruster & Hardman (1999).

PSEUDOTOCINCLUS Nichols, 1919

Pseudotocinclus Nichols, 1919b: 534. Type species: *Pseudotocinclus intermedius* Nichols, 1919. Type by monotypy. Gender: Masculine.

Revision, with key to species (Takako *et al.*, 2005: 501).

Pseudotocinclus juquiae Takako, Oliveira & Oyakawa, 2005

Pseudotocinclus juquiae Takako, Oliveira & Oyakawa, 2005: 504, fig. 4. Type locality: Brazil, São Paulo, first tributary of the rio Juquiá, near ribeirão das Antas on the road from São Lourenço da Serra to Juquitiba, 23°59'49.1"S, 46°56'01.0"W, Juquitiba. Holotype: MZUSP 49333.

Distribution: Juquiá River basin, Brazil (Takako *et al.*, 2005).

Pseudotocinclus parahybae Takako, Oliveira & Oyakawa, 2005

Pseudotocinclus parahybae Takako, Oliveira & Oyakawa, 2005: 503, fig. 3. Type locality: Brazil, São Paulo, a tributary of the ribeirão Grande, Fazenda São Sebastião do Ribeirão Grande, rio Paraíba do Sul basin, approximately 22°46'S, 45°27'W, Pindamonhangaba. Holotype: MZUSP 49122.

Distribution: Ribeirão Grande tributary, Paraíba do Sul River basin, Brazil (Takako *et al.*, 2005).

Pseudotocinclus tietensis (Ihering, 1907)

Otocinclus (Microlepidogaster) tietensis Ihering, 1907: 26. Type locality: Rio Tieté, São Paulo, Brazil. Holotype: at DZSASP [now MZUSP] (not found).

Pseudotocinclus intermedius Nichols, 1919b: 534. Type locality: Campo Grande, Mato Grosso, Brazil. Holotype: AMNH 7177.

Distribution: Upper Tietê River at Paranapiacaba, Brazil (Schaefer, 2003c).

PSEUDOTOTHYRIS Britski & Garavello, 1984

Pseudotothyris Britski & Garavello, 1984: 232. Type species: *Otocinclus obtusus* Miranda Ribeiro, 1911. Type by original designation. Gender: Feminine.

Pseudotothyris janeirensis Britski & Garavello, 1984

Pseudotothyris janeirensis Britski & Garavello, 1984: 234, figs. 9–10. Type locality: Rio dos Macacos, Represa Engenho da Serra, Paulo de Frontin, Rio de Janeiro, Brazil. Holotype: MNRJ 10278.

Distribution: Rio de Janeiro State, Brazil (Schaefer, 2003c).

Pseudotothyris obtusa (Miranda Ribeiro, 1911)

Otocinclus obtusus Miranda Ribeiro, 1911: 95, pl. 29 (fig. 3). Type locality: Brazil. Lectotype: MNRJ 1026A, designated by Miranda Ribeiro (1953: 401). As *Otocinclus obtusos* at heading of account and index (p. 498), and *Otocinclus obtusus* in etymology, index (p. 497), figure caption, and elsewhere in the text. Britski & Garavello (1984: 226) treated *O. obtusa* as the valid name, with *obutsos* as a misspelling, thereby acting as first reviser.

Distribution: Southeastern Brazil (Schaefer, 2003c).

PTEROSTURISOMA Isbrücker & Nijssen, 1978

Pterosturisoma Isbrücker & Nijssen, 1978b: 69. Type species: *Harttia microps* Eigenmann & Allen, 1942. Type by original designation. Gender: Neuter.

Pterosturisoma microps (Eigenmann & Allen, 1942)

Harttia microps Eigenmann & Allen, 1942: 211, pl. 8 (figs. 3–4); pl. 9 (fig. 1). Type locality: Iquitos [Peru]. Lectotype: CAS 28543, designated by Isbrücker & Nijssen (1978b: 71).

Distribution: Upper Amazon River basin, Peru (Eigenmann & Allen, 1942).

PTERYGOPLICHTHYS Gill, 1858

Pterygoplichthys Gill, 1858: 408. Type species: *Hypostomus duodecimalis* Valenciennes, 1840. Type by subsequent designation in Bleeker (1862–63: 2) with genus spelled *Pterygophlichtys*. Gender: Masculine.

Liposarcus Günther, 1864: 238. Type species: *Hypostomus multiradiatus* Hancock, 1828. Type by subsequent designation by Jordan (1919b: 332). Gender: Masculine

Glyptoperichthys Weber, 1991: 639. Type species: *Ancistrus lituratus* Kner, 1854. Type by original designation. Gender: Masculine.

Remarks: Revised by Weber (1992), with *Liposarcus* and *Glyptoperichthys* also treated as valid. Generic synonymy

herein based on Armbruster (2004a).

Pterygoplichthys ambrosettii (Holmberg, 1893)

Liposarcus ambrosettii Holmberg, 1893b: 354. Type locality: Río Paraguay, in front of Formosa. No types known.

Pterygoplichthys anisitsi Eigenmann & Kennedy, 1903: 503. Type locality: Laguna of the Rio Paraguay at Asuncion. Holotype: IU 9873; whereabouts unknown.

Pterygoplichthys juvenis Eigenmann & Kennedy, 1903: 504. Type locality: Asuncion, Río Paraguay, Paraguay. Holotype: CAS 59784.

Ancistrus multiradiatus alternans Regan, 1904b: 229. Type locality: Paraguay and Southern Bolivia [restricted by Weber (1992: 28) to: Paraguayan Chaco [...] région Vila Concepción (=Concepción) — Caraya Vuelta -2/3 Piste Pozo Colorado, probablement Waikthlatingmayalwa (=? Mission Inglesia)]. Lectotype: BMNH 1898.7.4.5, designated by Weber (1992: 28). Originally proposed as *A. multiradiatus* var. *alternans*.

Distribution: Paraguay, middle Paraná, Bermejo, and Uruguay River basins (Weber, 2003).

Remarks: Weber (1992, 2003) treated *Liposarcus ambrosettii* Holmberg, 1893, as a *nomen oblitum*, but its use in several publications negate that status. Redescribed as *Liposarcus anisitsi* in Weber (1992: 13).

Pterygoplichthys disjunctivus (Weber, 1991)

Liposarcus disjunctivus Weber, 1991: 638. Type locality: Rio Madeira, système de l'Amazonas, Restauração, Amazonas, Brésil. Holotype: MZUSP 28360; illustrated in Weber (1992: pl. 9).

Distribution: Madeira River basin, Bolivia and Brazil (Weber, 2003).

Pterygoplichthys etentaculatus (Spix & Agassiz, 1829)

Hypostoma etentaculatum Spix & Agassiz, 1829: 7, pl. 4 (fig. 1). Type locality: in Brasiliae septentrionalis fluviis [now: São Francisco River at Januaria, Minas Gerais State, Brazil, by neotype designation]. Neotype: MZUSP 35821, designated by Weber (1992: 25).

Hypostomus duodecimalis Valenciennes in Cuvier & Valenciennes, 1840b: 498 (367 in Strasbourg deluxe edition), pl. 454. Type locality: dans la rivière Saint-François au Brésil. Holotype: MNHN a-9446.

Hypostomus brevitentaculatus Ranzani, 1841: 63. Type locality: nelle aqua dolci della Provincia di S. Paulo nel Brasile. Holotype: at MZUB. Described in more detail in Ranzani (1842: 329).

Ancistrus longimanus Kner, 1854: 283, pl. 5 (fig. 1). Type locality: [Not stated]. Syntypes (2): at NMW. Originally proposed as *Anc. longimanus*.

Distribution: São Francisco River basin, Brazil (Weber, 2003).

Pterygoplichthys gibbiceps (Kner, 1854)

Ancistrus gibbiceps Kner, 1854: 284, pl. 5 (fig. 2). Type locality: aus dem Rio Negro bei Marabitanos [Brazil]. Holotype: at NMW. Originally proposed as *Anc. gibbiceps*.

Liposarcus altipinnis Günther, 1864: 239. Type locality: Rio Cupai [Brazil]. Holotype: BMNH 1853.3.19.34.

Distribution: Middle and upper Amazon and Orinoco basins (Weber, 2003).

Remarks: Redescribed in Weber (1992: 17), with type locality of *Liposarcus altipinnis* as: Cupari River, Tapajós River basin, Amazon drainage, Amazonas State, Brazil.

Pterygoplichthys joselimaianus (Weber, 1991)

Glyptoperichthys joselimaianus Weber, 1991: 640, illustrated in Weber (1992: 20, pl. 15b). Type locality: Rio Araguaya, affl. du Tocantins, système de l'Amazon, Aruanã, Goiás, Brésil. Holotype: MZUSP 4873.

Distribution: Tocantins River basin, Brazil (Weber, 2003).

Pterygoplichthys lituratus (Kner, 1854)

Ancistrus lituratus Kner, 1854: 285, pl. 5 (fig. 3). Type locality: aus dem Rio Guaporé bei cidade do Matogrosso [Amazon system, Brazil]. Lectotype: NMW 16416; designated by Weber (1992: 28). Originally as *Anc. lituratus*.

Distribution: Madeira River basin, Bolivia and Brazil (Weber, 2003).

Remarks: Redescribed in Weber (1992: 28).

Pterygoplichthys multiradiatus (Hancock, 1828)

Hypostomus multiradiatus Hancock, 1828: 246. Type locality: Demerara [in title] [...] Lakes [...] on the slime. Holotype: BMNH 1857.6.13.162.

Distribution: Orinoco River basin, possibly also in Guyana (Weber, 2003).

Remarks: Redescription and type locality interpretation in Weber (1992: 9, 27).

Pterygoplichthys pardalis (Castelnau, 1855)

Hypostomus pardalis Castelnau, 1855: 42, pl. 20 (fig. 3). Type locality: l' Amazone. Holotype: MNHN a-9574.

Liposarcus varius Cope, 1872a: 284. Type locality: The Ambyiacu river, which empties into the Amazon near to Pebas, in Eastern Ecuador, some distance east of the Napo [Peru]. Lectotype: ANSP 21931, designated by Fowler (1915: 233).

Liposarcus jeansianus Cope, 1874b: 135. Type locality: Nauta, Peru [= Marañon River, Amazon basin]. Lectotype: ANSP 8241, designated by Weber (1992: 27).

Distribution: Lower, middle and upper Amazon River basin (Weber, 2003).

Remarks: Redescribed in Weber (1992: 10).

Pterygoplichthys parnaíbae (Weber, 1991)

Glyptoperichthys parnaíbae Weber, 1991: 641. Type locality: Lac de Parnaguá, Rio Paraim, bassin de Parnaíba, sys. côtier brésilien; Maranhão, Brésil. Holotype: NMW 48034, illustrated in Weber (1992: 21, pl. 16 b).

Distribution: Parnaíba River basin, Brazil (Weber, 2003).

Pterygoplichthys punctatus (Kner, 1854)

Loricaria punctata Kner, 1854: 281. Type locality: S. Vincente [...] aus einer Lache [Brazil]. Holotype: NMW 76587.

Distribution: Madeira, Purus, Juruá and Marañon River basins (Weber, 2003).

Remarks: Redescribed Weber (1992: 22).

Pterygoplichthys scrophus (Cope, 1874)

Liposarcus scrophus Cope, 1874b: 136. Type locality: Nauta [Peru]. Syntypes: USNM 132587 (2).

Distribution: Marañon and Ucayali River basins, Peru (Weber, 2003).

Remarks: Redescribed in Page *et al.* (1996: 186).

Pterygoplichthys undecimalis (Steindachner, 1878)

Chaetostomus undecimalis Steindachner, 1878a: 90. Type locality: Ciénaga Grande de Santa Marta, Magdalena basin, 40 km east of Barranquilla, Colombia. Lectotype: NMW 47224, designated in Weber (1992: 26); illustrated in Steindachner (1879d: 43, pl. 8).

Distribution: Magdalena River basin, Colombia (Weber, 2003); also Cauca and Catatumbo River basins (Maldonado-Ocampo *et al.*, 2005).

Pterygoplichthys xinguensis (Weber, 1991)

Glyptoperichthys xinguensis Weber, 1991: 640. Type locality: Rio Fresco, affl. du Rio Xingu, système de l' Amazone; Aldeio Gorotire, municípe de São Felix do Xingu, Pará, Brésil. Holotype: MZUSP 35961, illustrated in Weber (1992: pl. 14, fig. b).

Distribution: Xingu River basin, Brazil (Weber, 2003).

Pterygoplichthys zuliaensis Weber, 1991

Pterygoplichthys zuliaensis Weber, 1991: 638. Type locality: Río Santa Ana, bassin du Maracaibo, Hacienda Río Grande, 9°36'20"N, 72°07'00"W, état de Zulia, Venezuela. Holotype: MBUCV V-14653; holotype illustrated in Weber (1992: pl. 4b).

Distribution: Lake Maracaibo basin, Venezuela (Weber, 2003).

PYXILORICARIA Isbrücker & Nijssen, 1984

Pyxiloricaria Isbrücker & Nijssen, 1984b: 163. Type species: *Pyxiloricaria menezesi* Isbrücker & Nijssen, 1984. Type by original designation. Gender: Feminine.

Pyxiloricaria menezesi Isbrücker & Nijssen, 1984

Pyxiloricaria menezesi Isbrücker & Nijssen, 1984b: 164, fig. 1. Type locality: Brazil, Mato Grosso do Sul, Lagoas marginais da rodovia Transpantaneira, município de Miranda (20°10'S, 56°19'W).

Distribution: Paraguay River basin, Brazil (Isbrücker & Nijssen, 1984).

REGANELLA Eigenmann, 1905

Hemiodon Kner, 1853a: 24. Type species: *Hemiodon depressus* Kner, 1853. Type by subsequent designation by

Bleeker (1862–63: 4). Gender: Masculine. Preoccupied by *Hemiodon* Swainson, 1840, in Mollusca; replaced by *Reganella* Eigenmann, 1905.

Reganella Eigenmann, 1905: 793. Type species: *Hemiodon depressus* Kner, 1853. Type by being a replacement name. Gender: Feminine. Replacement for *Hemiodon* Kner, 1853.

Reganella depressa (Kner, 1853)

Hemiodon depressus Kner, 1853a: 12, 27, pl. 7 (fig. 1a–c). Type locality: Rio negro und Marabitanos [restricted to Marabitanos by lectotype designation]. Lectotype: NMW 9438, designated by Isbrücker & Nijssen (1974b: 219). Originally as *Hem. depressus*.

Distribution: Negro, Branco, and Tapajós River basins, Brazil (Ferraris, 2003c).

RHADINOLORICARIA Isbrücker & Nijssen, 1974

Rhadinoloricaria Isbrücker & Nijssen, 1974a: 73. Type species: *Loricaria macromystax* Günther, 1869. Type by original designation. Gender: Feminine.

Rhadinoloricaria macromystax (Günther, 1869)

Loricaria macromystax Günther, 1869: 426, figs. 5–6. Type locality: Peruvian Amazonas. Holotype: BMNH 1869.5.21.8.

Distribution: Upper Amazon River basin (Ferraris, 2003c).

RHINELEPIS Spix & Agassiz, 1829

Rhinelepis Spix & Agassiz, 1829: 2. Type species: *Rhinelepis aspera* Spix & Agassiz, 1829. Type by monotypy. Gender: Feminine.

Phylogenetic position: Armbruster (1998b).

Rhinelepis aspera Spix & Agassiz, 1829

Rhinelepis aspera Spix & Agassiz, 1829: 4, pl. 2 (figs. 1–2). Type locality: in flumine S. Francisci [Brazil]. Holotype: Whereabouts unknown (Kottelat, 1988).

Distribution: São Francisco and upper Paraná River basins, Brazil (Weber, 2003).

Rhinelepis strigosa Valenciennes, 1840

Rhinelepis strigosa Valenciennes, in Cuvier & Valenciennes, 1840: 480 [354 in Strasbourg deluxe edition]. Type locality: dans le Parana et d'autres rivières de la province de Corrientes [Argentina]. Holotype: MNHN a-9571.

Distribution: Paraná and Uruguay River basins (Weber, 2003).

RICOLA Isbrücker & Nijssen, 1978

Ricola Isbrücker & Nijssen, 1978a: 182. Type species: *Loricaria macrops* Regan, 1904. Type by original designation. Gender: Feminine.

Ricola macrops (Regan, 1904)

Loricaria macrops Regan, 1904b: 290, pl. 17 (fig. 3). Type locality: the R. de la Plata. Lectotype: BMNH 1868.9.16.1, designated by Isbrücker & Nijssen (1978a: 184).

Distribution: Lower Paraná River basin (Isbrücker & Nijssen, 1978).

Remarks: Reviewed in Ringuélet *et al.* (1967).

RINELORICARIA Bleeker, 1862

Rineloricaria Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Loricaria lima* Kner, 1853. Type by original designation. Gender: Feminine.

Leliella Isbrücker, in Isbrücker *et al.*, 2001: 20. Type species: *Rineloricaria heteroptera* Isbrücker & Nijssen, 1975. Type by original designation. Gender: Feminine.

Rineloricaria aequalicuspis Reis & Cardoso, 2001

Rineloricaria aequalicuspis Reis & Cardoso, 2001: 324, fig. 3. Type locality: Brazil: Rio Grande do Sul: rio Três Forquilhas, opposite to church of Vila Itati (29°30'43"S 50°05'31"W). Holotype: MCP 25852.

Distribution: Três Forquilhas and Maquiné River basins, Brazil (Reis & Cardoso, 2001).

Rineloricaria cadeae (Hensel, 1868)

- Loricaria cadeae* Hensel, 1868: 369. Type locality: Rio Cadéa [Rio Grande do Sul, Brazil]. Lectotype: ZMB 7430, designated by Isbrücker (1979a: 112).
Distribution: Laguna dos Patos basin, Brazil (Ferraris, 2003c).
- Rineloricaria catamarcensis*** (Berg, 1895)
Loricaria catamarcensis Berg, 1895: 137. Type locality: Provincia Catamarca, Argentina. Holotype: at MACN (not found, Isbrücker, 1979a: 113).
Distribution: Tala and Salí River basins in Catamarca Province, Argentina (Ringuelet *et al.*, 1967).
Remarks: Reviewed in Ringuelet *et al.* (1967).
- Rineloricaria cubataonis*** (Steindachner, 1907)
Loricaria cubataonis Steindachner, 1907e: 489. Type locality: aus dem Flusse Cubatão, im Staate Santa Catharina bei Theoresopolis (Brasilien). Holotype: NMW (not found, Isbrücker, 1979a: 113).
Distribution: Coastal Atlantic rivers of southeastern Brazil (Ferraris, 2003c).
- Rineloricaria felipponei*** (Fowler, 1943)
Loricaria felipponei Fowler, 1943b: 319, figs. 7–9. Type locality: Uruguay. Holotype: ANSP 70324.
Distribution: Lower La Plata River basin, Uruguay (Ferraris, 2003c).
- Rineloricaria henselii*** (Steindachner, 1907)
Loricaria henselii Steindachner, 1907e: 488. Type locality: Aus dem Flusse Cubatão im Staate Santa Catherina bei Theresopolis (Brasilien). Holotype: at NMW (not found, Isbrücker, 1979a: 113).
Distribution: Cubatão River in southern Santa Catarina State, Brazil (Ferraris, 2003c).
- Rineloricaria heteroptera*** Isbrücker & Nijssen, 1976
Rineloricaria heteroptera Isbrücker & Nijssen, 1976b: 112, fig. 1. Type locality: Brazil, Est. Amazonas. Creek in reserve Ducke, near Manaus (03°06'S, 60°00'W). Holotype: IRSNB 555.
Distribution: Amazon River basin, near Manaus, Brazil (Ferraris, 2003c).
Remarks: Recently designated as type of a monotypic genus, *Leliella*, by Isbrücker (2001: 20).
- Rineloricaria jaraguensis*** (Steindachner, 1909)
Loricaria jaraguensis Steindachner, 1909a: 196. Type locality: dem Jaraguá und dessen Nebenflüssen in brasilianischen Staate Sa. Catharina. Lectotype: NMW 44886, designated by Isbrücker (1979a: 113).
Distribution: Jaraguá River basin in Santa Catarina State, Brazil (Ferraris, 2003c).
- Rineloricaria kronei*** (Miranda Ribeiro, 1911)
Loricaria kronei Miranda Ribeiro, 1911: 132, pl. 34 (fig. 2). Type locality: Rio Iporanga, S. Paulo [Brazil]. Holotype: MNRJ (not found).
Distribution: Ribeira de Iguape River basin, Brazil (Ferraris, 2003c).
- Rineloricaria latirostris*** (Boulenger, 1900)
Loricaria latirostris Boulenger, 1900b: 165. Type locality: Southern Brazil, Province São Paulo, Mogy-guassu River about 250 miles inland of Santos. Lectotype: BMNH 1899.12.18.6, designated by Isbrücker (1979a: 112).
Loricaria paulina Boulenger, 1900b: 166. Type locality: Southern Brazil, Province São Paulo, Mogy-guassu River. Lectotype: BMNH 1899.12.18.8, designated by Isbrücker (1979a: 112).
Distribution: Upper Paraná River basin, Brazil (Ferraris, 2003c).
Remarks: *Loricaria latirostris* treated as valid following first reviser action of Regan (1904b: 283).
- Rineloricaria lima*** (Kner, 1853)
Loricaria lima Kner, 1853a: 12, 25, pl. 6 (fig. 1a–b). Type locality: aus Brasilien durch Natterer, ober ohne nähere Angabe des Fundortes. Holotype: NMW (not found, Isbrücker, 1980: 107). Originally as *Lor.? lima*.
Distribution: Brazil (Ferraris, 2003c).
- Rineloricaria longicauda*** Reis, 1983
Rineloricaria longicauda Reis, 1983: 64, figs. 5–7. Type locality: Banhado do Taim, município de Rio Grande, RS [Brazil]. Holotype: MZUSP 16078.
Distribution: Coastal drainages of Rio Grande do Sul State, between Chuí and Tramandaí, Brazil (Reis, 1983).
- Rineloricaria maquinensis*** Reis & Cardoso, 2001
Rineloricaria maquinensis Reis & Cardoso, 2001: 321, fig. 1. Type locality: Brazil: Rio Grande do Sul: arroio Água Parada, tributary to rio Maquiné (approximately 29°40'S 50°12'W), Maquiné. Holotype: MCP 25817.

Distribution: Maquiné and Araranguá River basins in southern Brazil (Reis & Cardoso, 2001).

Rineloricaria microlepidogaster (Regan, 1904)

Loricaria microlepidogaster Regan, 1904b: 283, pl. 15 (fig. 4). Type locality: Rio Grande do Sul [Brazil]. Holotype: BMNH 1884.2.5.41.

Distribution: Laguna dos Patos basin, Brazil (Ferraris, 2003c).

Rineloricaria microlepidota (Steindachner, 1907)

Loricaria lima microlepidota Steindachner, 1907b: 154. Type locality: dem Juruá [Brazil]. Syntypes: at NMW (not found: Isbrücker, 1979a: 113). Originally as *Loricaria lima* var. *microlepidota*.

Distribution: Juruá River basin, Brazil (Ferraris, 2003c).

Rineloricaria misionera Rodríguez & Miquelarena, 2005

Rineloricaria misionera Rodríguez & Miquelarena, 2005: 5, fig. 1. Type locality: arroyo Cuña-Pirú (27°08'S, 54°54'W) Canguás Department, Misiones Province, Argentina. Holotype: ILPLA 1698.

Distribution: Paraná and Uruguay River basins, Misiones, Argentina (Rodríguez & Miquelarena, 2005).

Rineloricaria pareiacantha (Fowler, 1943)

Loricaria pareiacantha Fowler, 1943b: 321, figs. 10–12. Type locality: Rio Santa Lucia, Canelones [Uruguay]. Holotype: ANSP 67815.

Distribution: Santa Lucia River basin, Uruguay (Ferraris, 2003c).

Rineloricaria pentamaculata Langeani & Araujo, 1994

Rineloricaria pentamaculata Langeani & Araujo, 1994: 153, fig. 1. Type locality: rio Turvo, Ourinhos, São Paulo, Brasil. Holotype: MZUSP 43051.

Distribution: Turvo River basin in São Paulo State, Brazil (Langeani & Araujo, 1994).

Rineloricaria quadrensis Reis, 1983

Rineloricaria quadrensis Reis, 1983: 66, figs. 15–17. Type locality: Lagoa dos Quadros, município de Osório, RS [Brazil]. Holotype: MZUSP 14363.

Distribution: Coastal streams and lagoons in Rio Grande do Sul, between Tramandaí and Torres, Brazil (Reis, 1983).

Rineloricaria steindachneri (Regan, 1904)

Loricaria steindachneri Regan, 1904b: 281. Type locality: Eastern Brazil, from the R. Preto to the R. Parahyba. Lectotype: NMW 45016: 1, designated by Isbrücker (1979a: 113).

Distribution: Coastal rivers of northeastern Brazil (Ferraris, 2003c).

Rineloricaria strigilata (Hensel, 1868)

Loricaria strigilata Hensel, 1868: 368. Type locality: Südbrasilien, in eimen steinigen Bache bei Santa Cruz. Holotype: ZMB 7429.

Distribution: Laguna dos Patos basin, Brazil (Ferraris, 2003c).

Rineloricaria thrissoceps (Fowler, 1943)

Loricaria thrissoceps Fowler, 1943b: 322, figs. 13–15. Type locality: Río Santa Lucia, Canelones [Uruguay]. Holotype: ANSP 67796.

Distribution: Santa Lucia River basin, Uruguay (Ferraris, 2003c).

SCHIZOLECIS Britski & Garavello, 1984

Schizolecis Britski & Garavello, 1984: 228. Type species: *Microlepidogaster guntheri* Miranda Ribeiro, 1918. Type by original designation. Gender: Feminine.

Schizolecis guntheri (Miranda Ribeiro, 1918)

Microlepidogaster guntheri Miranda Ribeiro, 1918d: 634. Type locality: Praia do Piraíque, Ilha de São Sebastião, Estado de São Paulo [Brazil]. Lectotype: MZUSP 1015, designated by Britski (1969: 208).

Pseudotocinclus ribeiroi Gomes, 1955: 222, pl. 1. Type locality: Rio Branco, Bacia do rio Itanhaem, São Paulo, Brazil. Holotype: EEBP 110.

Distribution: Southeastern Brazil (Schaefer, 2003c).

Remarks: There is some controversy regarding the correct spelling of the valid name for this species. The name was listed as *Microlepidogaster guntheri* Miranda Ribeiro (1918d: 634) with a statement in a footnote on that page that the species name was a patronym for a “Sr. F. Gunther.” However, Isbrücker (1980: 85–86) reported that the

species was listed as *Microlepidogaster güntheri* in a later article (Miranda Ribeiro, 1918e: 717) in the same volume of the journal. If the two papers were published simultaneously, the two spellings would need to be treated as alternate spellings that require further action. Isbrücker (1980: 85–86) noted both spellings and treated *M. guentheri* as valid, and would thereby act as first reviser, if necessary.

SCOBINANCISTRUS Isbrücker & Nijssen, 1989

Scobinancistrus Isbrücker & Nijssen, 1989: 542. Type species: *Scobinancistrus pariolispos* Isbrücker & Nijssen, 1989. Type by original designation. Gender: Masculine.

Scobinancistrus aureatus Burgess, 1994

Scobinancistrus aureatus Burgess, 1994: 237, figure on p. 236. Type locality: Ilha da Fazenda, Rio Xingu, Estado Para, Brazil. Holotype: MZUSP 47690.

Distribution: Xingu River basin, Brazil (Fisch-Muller, 2003).

Scobinancistrus pariolispos Isbrücker & Nijssen, 1989

Scobinancistrus pariolispos Isbrücker & Nijssen, 1989: 542, fig. 1. Type locality: Brasilien, Est. Pará, Rio Tocantins, Jatobal. Holotype: INPA 1076.

Distribution: Tocantins and Tapajós River basins, Brazil (Fisch-Muller, 2003).

SPATULORICARIA Schultz, 1944

Spatuloricaria Schultz, 1944c: 287, 334. Type species: *Spatuloricaria phelpsi* Schultz, 1944. Type by original designation. Gender: Feminine.

Euacanthagenys Fowler, 1945a: 123. Type species: *Euacanthagenys caquetae* Fowler, 1945. Type by original designation. Gender: Feminine.

Spatuloricaria atratoensis Schultz, 1944

Spatuloricaria atratoensis Schultz, 1944a: 155. Type locality: Río Truando, tributary of Río Atrato, Colombia. Holotype: USNM 93810.

Distribution: Atrato River basin, Colombia (Ferraris, 2003c).

Spatuloricaria caquetae (Fowler, 1943)

Loricaria caquetae Fowler, 1943a: 261, figs. 60–62. Type locality: Florencia, Rio Ortegusa, Colombia. Holotype: ANSP 70526.

Distribution: Ortegusa River basin, Colombia (Ferraris, 2003c).

Spatuloricaria curvispina (Dahl, 1942)

Loricaria curvispina Dahl, 1942: 85, figs. 5–7. Type locality: Río Batatal, tributary to Río San Jorge, which is next to Rio Cauca the largest tributary to Río Magdalena. Department of Bolivar, Republic of Colombia. Holotype: possibly at ZMUL.

Distribution: Magdalena River basin, Colombia (Ferraris, 2003c).

Spatuloricaria euacanthagenys Isbrücker, 1979

Euacanthagenys caquetae Fowler, 1945a: 125, figs. 37–40. Type locality: Morelia, Rio Caquetá drainage, Colombia. Holotype: ANSP 71718; holotype illustrated in Isbrücker (1979a: 111, figs. 24, 25, 26, 27b). Preoccupied in *Spatuloricaria* by *Loricaria caquetae* Fowler, 1943; replaced by *Spatuloricaria euacanthagenys* Isbrücker, 1979.

Spatuloricaria euacanthagenys Isbrücker, 1979a: 113, figs. 24–26. Type locality: Morelia, Río Caquetá drainage, Colombia. Holotype: ANSP 71718; holotype illustrated in Isbrücker (1979a: 113, figs. 24, 25, 26, 27b). Replacement for *Euacanthagenys caquetae* Fowler, 1945.

Distribution: Caquetá River basin, Colombia (Ferraris, 2003c).

Spatuloricaria evansii (Boulenger, 1892)

Loricaria Evansii Boulenger, 1892b: 10, pl. 1. Type locality: Jangada [Matto Grosso, Brazil]. Holotype: BMNH 1892.4.20.29; holotype illustrated in Isbrücker (1973: 174, fig. 1).

? *Loricaria cirrhosa* Perugia, 1897: 22. Type locality: Rio Beni, Missioni Mosetenes, Bolivia. Lectotype: MSNG 8850 (1); lectotype designated by, and illustrated in, Isbrücker (1973: 174, fig. 2). Preoccupied by *Loricaria cirrhosa* Bloch & Schneider, 1801; apparently not replaced.

Distribution: Paraguay and Beni River basins (Ferraris, 2003c).

Spatuloricaria fimbriata (Eigenmann & Vance, 1912)

Loricaria fimbriata Eigenmann & Vance, in Eigenmann, 1912a: 12. Type locality: Boca de Certegai [Colombia].

Holotype: FMNH 55117; holotype illustrated in Eigenmann (1922b: 93, pl. 15, figs. 1, 2).

Distribution: Tuira River, Panama and Magdalena River and Boca de Certegai, Colombia (Ferraris, 2003c).

Spatuloricaria gymnogaster (Eigenmann & Vance, 1912)

Loricaria gymnogaster Eigenmann & Vance, in Eigenmann, 1912a: 12. Type locality: Apulo [Colombia]. Holotype:

CAS 28773; holotype illustrated in Eigenmann (1922b: 92, pl. 14, figs. 3–4).

Distribution: Upper Magdalena River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Spatuloricaria lagoichthys (Schultz, 1944)

Loricaria gymnogaster lagoichthys Schultz, 1944c: 331, pl. 13. Type locality: Río Palmar near Totuma, about 100 km southwest of Maracaibo [Venezuela]. Holotype: USNM 121092. Teeth of holotype illustrated in Isbrücker (1979a: 111, fig. 27a).

Distribution: Lake Maracaibo basin, Venezuela (Ferraris, 2003c).

Spatuloricaria nudiventris (Valenciennes, 1840)

Loricaria nudiventris Valenciennes, in Cuvier & Valenciennes, 1840b: 469 (346 of Strasbourg deluxe edition). Type locality: la rivière de Saint-François au Brésil. Holotype: MNHN a-9558.

Distribution: São Francisco River basin, Brazil (Ferraris, 2003c).

Spatuloricaria phelpsi Schultz, 1944

Spatuloricaria phelpsi Schultz, 1944c: 335, pl. 14. Type locality: Río Socuy, 3 km above its mouth, Maracaibo basin, Venezuela. Holotype: USNM 121121. Teeth of holotype illustrated in Isbrücker (1979a: 112, fig. 27c).

Distribution: Lake Maracaibo basin, Venezuela (Ferraris, 2003c).

Spatuloricaria pujanensis (Pearson, 1937)

Loricaria pujanensis Pearson, 1937: 96. Type locality: Pusoc, Rio Marañon, Peru. Lectotype: CAS 28776, designated by Isbrücker (1979a: 113).

Distribution: Marañon River basin, Peru (Ferraris, 2003c).

SPECTRACANTHICUS Nijssen & Isbrücker, 1987

Spectracanthicus Nijssen & Isbrücker, 1987: 93. Type species: *Spectracanthicus murinus* Nijssen & Isbrücker, 1987. Type by original designation. Gender: Masculine.

Spectracanthicus murinus Nijssen & Isbrücker, 1987

Spectracanthicus murinus Nijssen & Isbrücker, 1987: 94, fig. 1 (middle). Type locality: Brésil, Est. Pará, système du Rio Tapajós: Poça de Pedra no Rio Tapajós, São Luis. Holotype: MZUSP 22011.

Distribution: Tapajós River basin, Brazil (Fisch-Muller, 2003).

SQUALIFORMA Isbrücker & Michels, 2001

Squaliforma Isbrücker & Michels, in Isbrücker *et al.*, 2001: 22. Type species: *Hypostomus horridus* Kner, 1854. Type by original designation. Gender: Feminine.

Squaliforma annae (Steindachner, 1881)

Plecostomus annae Steindachner, 1881c: 112, pl. 3 (figs. 2–2a). Type locality: Pará [= Belem, Brazil]. Holotype: NMW 44073. Listed as *Chaetostomus annae* in figure caption (p. 146).

Distribution: Guamá River basin, Brazil (Weber, 2003).

Squaliforma biseriata (Cope, 1872)

Plecostomus biseriatus Cope, 1872a: 285. Type locality: the Amazon, between the mouth of the Rio Negro and the Peruvian Amazon or Ucayale River. Holotype: ANSP 8279.

Distribution: Upper Amazon River basin, Brazil (Weber, 2003).

Squaliforma emarginata (Valenciennes, 1840)

Hypostomus emarginatus Valenciennes, in Cuvier & Valenciennes, 1840b: 500 (369 in Strasbourg deluxe edition). Type locality: Probablement originaire du Brésil. Holotype: MNHN a-9447 (dry).

Distribution: Lower, middle and upper Amazon River basin (Weber, 2003).

Squaliforma gomesi (Fowler, 1941)

Plecostomus iheringi Fowler, 1941a: 150, figs. 50–52. Type locality: Ceará [Brazil]. Holotype: ANSP 69409. Preoccupied by *Plecostomus iheringii* Regan, 1908; replaced by *Plecostomus gomesi* Fowler, 1942.

Plecostomus gomesi Fowler, 1942: [1]. Type locality: Ceará [Brazil]. Holotype: ANSP 69409. Replacement name for *Plecostomus iheringi* Fowler, 1941; preoccupied by *Plecostomus iheringii* Regan, 1908.

Distribution: Jaguaribe River basin, Brazil (Weber, 2003).

Squaliforma horrida (Kner, 1854)

Hypostomus horridus Kner, 1854: 259, pl. 1 (fig. 1). Type locality: Forte do Príncipe am Rio Guaporé, Brazil. Syntypes (3): NMW 16325 (1), NMW 86604 (1). Originally proposed as *Hyp. horridus*.

Distribution: Madeira River basin, Brazil (Weber, 2003).

Squaliforma phrixosoma (Fowler, 1940)

Plecostomus phrixosoma Fowler, 1940a: 233, figs. 21–23. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68650.

Distribution: Upper Amazon River basin, Peru (Weber, 2003).

Squaliforma scopularia (Cope, 1871)

Plecostomus scopularius Cope, 1871a: 55. Type locality: the Amazon above the mouth of the Rio Negro. Lectotype: ANSP 8081, designated by Fowler (1915: 233); illustrated in Cope (1872a: pl. 16, no. 1).

Distribution: Middle Amazon River basin, Brazil (Weber, 2003).

Squaliforma squalina (Jardine, 1841)

Hypostoma squalinum Jardine, in Schomburgk, 1841: 142, pl. 2. Type locality: Rios Branco, Negro, and Essequibo. No types known.

Distribution: Negro and Branco River basins; Essequibo River basin (Weber, 2003).

Squaliforma tenuicauda (Steindachner, 1878)

Plecostomus tenuicauda Steindachner, 1878a: 90. Type locality: Magdalenen-Stromes [Colombia]. Syntypes: MSNG 8856 (1), NMW 42596 (1), NMW 44263 (1), NMW 44264 (1), NMW 44265 (1), NMW 44266 (3), NMW 44268 (1), NMW 44294 (1), ZMUC P 30172 (1). One syntype illustrated in Steindachner (1879d: pl. 6).

Distribution: Magdalena River basin, Colombia (Weber, 2003).

Squaliforma tenuis (Boeseman, 1968)

Hypostomus tenuis Boeseman, 1968: 64, pl. 14 (fig. 3). Type locality: Near Paramaribo, Surinam. Holotype: RMNH 16198.

Distribution: Possibly Suriname River basin; known only from holotype (Weber, 2003).

Remarks: Type locality considered to be in error by Weber (2003).

Squaliforma villarsi (Lütken, 1874)

Plecostomus villarsi Lütken, 1874a: 211. Type locality: Caracas. Syntypes: ZMUC P 30149 (1), ZMUC P 30150 (1).

Distribution: Venezuela (Weber, 2003).

Squaliforma virescens (Cope, 1874)

Plecostomus virescens Cope, 1874b: 137. Type locality: not explicitly given [Upper Amazon]. Syntypes: ANSP 21280 (4).

Distribution: Upper Amazon River basin, Peru (?)(Weber, 2003).

STURISOMA Swainson, 1838

Sturisoma Swainson, 1838: 333. Type species: *Loricaria rostrata* Spix & Agassiz, 1829. Type by monotypy. Gender: Neuter. See also Swainson (1839: 304).

Oxyloricaria Bleeker, 1862 (in Bleeker, 1862–63): 3. Type species: *Loricaria barbata* Kner, 1853. Type by original designation. Gender: Feminine.

Parasturisoma Miranda Ribeiro, 1911: 109. Type species: *Loricaria (Rineloricaria) brevirostris* Eigenmann & Eigenmann, 1889. Type by monotypy. Gender: Neuter.

Sturisoma aureum (Steindachner, 1900)

Loricaria aurea Steindachner, 1900: 206. Type locality: Bodega central, Rio Magdalena [Colombia]. Holotype: at NMW.

Distribution: Magdalena, San Jorge and Cesar River basins, Colombia (Ferraris, 2003c).

Sturisoma barbatum (Kner, 1853)

Loricaria barbata Kner, 1853a: 12, 23, pl. 5. Type locality: Rio Cuiabá, Cujaba-Fluss [Brazil]. Holotype: NMW 46155. Originally *Lor. barbata*.

Distribution: Paraguay River basin, Brazil (Ferraris, 2003c).

Sturisoma brevirostre (Eigenmann & Eigenmann, 1889)

Loricaria brevirostris Eigenmann & Eigenmann, 1889b: 35. Type locality: Iça [Brazil]. Holotype: MCZ 8095.

Distribution: Içá River basin, Brazil (Ferraris, 2003c).

Sturisoma dariense (Meek & Hildebrand, 1913)

Oxyloricaria dariensis Meek & Hildebrand, 1913: 81. Type locality: Rio Tuyra, Boca de Cupe, Panama. Holotype: FMNH 7584.

Distribution: Tuirá River basin, Panama (Ferraris, 2003c).

Sturisoma festivum Myers, 1942

Sturisoma festivum Myers, 1942: 100, fig. 8. Type locality: Río Monay, 35 km north of Trujillo, Motatan system, Maracaibo basin, Venezuela. Holotype: SU 36505.

Distribution: Lake Maracaibo basin (Ferraris, 2003c).

Sturisoma frenatum (Boulenger, 1902)

Loricaria frenata Boulenger, 1902a: 69. Type locality: Northwestern Ecuador, St. Javier (60 feet), Saildero (350 feet), and Rio Durango (350 feet) [restricted to Salidero, Ecuador by lectotype designation]. Lectotype: BMNH 1901.8.3.29, designated by Isbrücker (1979a: 113).

Distribution: Pacific versant rivers, Ecuador (Ferraris, 2003c).

Sturisoma guentheri (Regan, 1904)

Oxyloricaria guentheri Regan, 1904b: 299, pl. 18 (fig. 1). Type locality: Xeberos, Upper Amazon [Peru]. Holotype: BMNH 1867.6.13.36.

Distribution: Upper Amazon River basin, Peru (Ferraris, 2003c).

Sturisoma kneri Ghazzi, 2005

Sturisoma kneri Ghazzi, 2005: 559, fig. 1. Type locality: Venezuela, Lago Maracaibo. Holotype: MZUT 764.

Distribution: Maracaibo Lake basin, Venezuela (Ghazzi, 2005).

Remarks: Previous citations of this name (as well as *Loricaria kneri*) were shown to be unavailable for purposes of zoological nomenclature (Ghazzi, 2005).

Sturisoma lyra (Regan, 1904)

Oxyloricaria lyra Regan, 1904b: 300, pl. 19 (fig. 2). Type locality: Rio Jurua. Lectotype: BMNH 1897.12.1.64, designated by Isbrücker (1979a: 113).

Distribution: Juruá River basin, middle Amazon River drainage (Ferraris, 2003c).

Sturisoma monopelte Fowler, 1914

Sturisoma monopelte Fowler, 1914: 274, fig. 18. Type locality: Rupununi River, British Guiana ... in the highlands of British Guiana, approximately secured in North Latitude 2° to 3°, and West Longitude 50°20'. Holotype: ANSP 39346.

Distribution: Rupununi River basin, Guyana (Ferraris, 2003c).

Sturisoma nigrirostrum Fowler, 1940

Sturiosoma nigrirostrum Fowler, 1940a: 249, figs. 48–50. Type locality: Ucayali River basin, Contamana, Peru. Holotype: ANSP 68666.

Distribution: Ucayali River basin, Peru (Ferraris, 2003c).

Sturisoma panamense (Eigenmann & Eigenmann, 1889)

Loricaria panamensis Eigenmann & Eigenmann, 1889b: 34. Type locality: Panama. Holotype: MCZ 8126.

Distribution: Pacific slope rivers of Panama, Colombia, and Ecuador (Ferraris, 2003c); Cauca River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

Sturisoma robustum (Regan, 1904)

Oxyloricaria robusta Regan, 1904b: 300, pl. 19 (fig. 1). Type locality: Rio Paraguay. Lectotype: BMNH 1895.5.17.89, designated by Isbrücker (1979a: 113).

Distribution: La Plata River basin (Ringuelet *et al.*, 1967).

Remarks: Reviewed in Ringuelet *et al.* (1967).

Sturisoma rostratum (Spix & Agassiz, 1829)

Loricaria rostrata Spix & Agassiz, 1829: 5, pl. 3. Type locality: Brasiliae fluviis. Holotype: lost (Isbrücker, 1979a: 113).

Distribution: Brazil (Ferraris, 2003c).

Sturisoma tenuirostre (Steindachner, 1910)

Oxyloricaria tenuirostris Steindachner, 1910b: 410. Type locality: dem Rio Meta in Venezuela. Holotype: NMW 45453.

Distribution: Meta River basin, Venezuela (Ferraris, 2003c).

STURISOMATICHTHYS Isbrücker & Nijssen, 1979

Sturisomatichthys Isbrücker & Nijssen, in Isbrücker, 1979a: 91. Type species: *Oxyloricaria leightoni* Regan, 1912. Type by original designation. Gender: Masculine.

Sturisomatichthys caquetae (Fowler, 1945)

Harttia caquetae Fowler, 1945a: 126, figs. 41–43. Type locality: Morelia, Rio Caquetá drainage, Colombia. Holotype: ANSP 71719.

Distribution: Caquetá River basin, Colombia (Ferraris, 2003c).

Sturisomatichthys citurensis (Meek & Hildebrand, 1913)

Oxyloricaria citurensis Meek & Hildebrand, 1913: 82. Type locality: Río Cupe at Cituro, Panama, Tuyra River basin. Holotype: FMNH 7585.

Distribution: Tuirá and Bayano River basins, Panama (Ferraris, 2003c).

Sturisomatichthys leightoni (Regan, 1912)

Oxyloricaria leightoni Regan, 1912b: 669, pl. 77 (fig. 2). Type locality: Honda, Colombia, 300–400 ft. Lectotype: BMNH 1909.7.23.45, designated by Isbrücker (1979a: 113).

Distribution: Upper Magdalena and Cauca River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

Sturisomatichthys tamanae (Regan, 1912)

Oxyloricaria tamanae Regan, 1912b: 669, pl. 77 (figs. 1, 1a & b). Type locality: the Río Tamana, Río San Juan, Choco, S.W. Colombia. Lectotype: BMNH 1910.7.11.133, designated by Isbrücker (1979a: 113), and illustrated in Isbrücker (1979a: 96, fig. 7).

Distribution: San Juan River basin, Colombia (Ferraris, 2003c).

Species inquirendae, Loricariidae

Microlepidogaster bourgyi Miranda Ribeiro, 1911: 90. Type locality: Brasil. Syntypes (12): possibly NMRJ 1036.

Ancistrus salgadae Fowler, 1941: 154. Fig. 57. Type locality: Rio Salgado, Icó, Ceará; eastern Brazil. Holotype: ANSP 69440. A juvenile, identification uncertain (S. Fisch-Muller, 2003).

Ancistrus mottogrossensis Miranda Ribeiro, 1912: 5. Type locality: Not stated. Syntypes (2): Whereabouts unknown, not found at MNRJ or MZUSP (Fisch-Muller, 2003). Original spelling of name considered to be incorrect by Fisch-Muller (2003) and corrected the spelling to *Ancistrus mottogrossensis*, following Miranda Ribeiro (1918c: 114).

MALAPTERURIDAE Bleeker, 1858

Malapterurini Bleeker, 1858b: ix. Type genus: *Malapterurus* La Cepède, 1803.

Revision: Poll & Gosse (1969); Norris (2002).

Taxonomic summary: Gosse (1986a).

Phylogeny: Howes (1985).

Reviews: Teugels (1992b), west Africa.

2 genera, 19 species; no named fossil taxa.