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

CARL J. FERRARIS, JR.



Magnolia Press  
Auckland, New Zealand

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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

Osteichthyian 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
<b>Total valid taxa</b>	<b>478</b>	<b>3093</b>		<b>18</b>	<b>70</b>
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 19<sup>th</sup> and early 20<sup>th</sup> 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 Ponnac. 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: Chieng 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, Yōngdong, Ch'ungch'ōngbug-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 platyichir*** (Günther, 1864)  
*Pimelodus platyichir* 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 Ogooué). 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., Ogowé. 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 Comoé and Black Volta Rivers, Upper Volta, Ogun River, Nigeria, and Upper Benoué 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: Ouessou (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 doraë*** (Poll, 1967)

*Leptoglanis doraë* 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: Kamaïembi. 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 (Taylor, 1986).

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 *Neoaricus*.

***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, Amboaboa 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: Amboaboa 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 Cèpède, 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).

*Hexanematchthys 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).

*Hexanematchthys 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: Orteguzza 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 Marañón 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 prenatalis*** (Valenciennes, 1840)

*Brontes prenatalis* 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’océan. 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 retropinna*** (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 atronasus* Eigenmann & Eigenmann, 1888

*Ageneiosus atronasus* 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 melanopterum*** Miranda Ribeiro, 1918

*Glanidium melanopterum* 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: Iguazu 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 dunnii*** (Fowler, 1945)

*Centromochlus dunnii* 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 Pereza, 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: Bertoletti *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 saco 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.<sup>u</sup> 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: ПИН 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 & Jumnonthai, 1999

† *Hemibagrus major* Roberts & Jumnonthai, 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 Kwantang 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: † *Nkondobabrus longistrostris* Van Neer, 1994. Type by monotypy. Gender: Masculine.

† *Nkondobabrus longistrostris* Van Neer, 1994

† *Nkondobabrus 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

*Pelteobabrus* 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 Iguazu 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 sableuse, 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*** (Castelnaud, 1855)  
*Callichthys splendens* Castelnaud, 1855: 39, pl. 18 (fig. 3). Type locality: Rio Tocantins [Brazil]. Holotype: MNHN 0000-4291.  
*Callichthys taiosh* Castelnaud, 1855: 39, pl. 19 (fig. 1). Type locality: Chiquitos [Bolivia]. Holotype: possibly MNHN 0000-4290. Castelnaud 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 zygatus*** Eigenmann & Allen, 1942  
*Corydoras zygatus* 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: Amatak 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.

*Hemisetopsis* 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)

*Hemisetopsis amphilozus* 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 Sandia, 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 melano-derma*.

*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 alvarezi*** Roman, 1970

*Gymnallabes alvarezi* Roman, 1970: 5, fig. 1. Type locality: Rio Kie, circa de Ebebiyin, Rio Muni, Guinea Equatorial. 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

*Bathybegrus* Bailey & Stewart, 1984: 8. Type species: *Bathybegrus 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.

***Chrysiichthys 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.

*Chrysiichthys velifer* Norman, 1923b: 582. Type locality: Bandama River. Holotype: BMNH 1923.3.2.41.

Distribution: West Africa (Risch, 1986).

***Chrysiichthys 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.

*Chrysiichthys acutirostris* Günther, 1864: 431. Type locality: Golungo Alto, Angola. Holotype: BMNH 1864.7.13.41.

*Chrysiichthys Büttikoferi* Steindachner, 1894: 60, pl. 3 (fig. 1). Type locality: Fischermann-See [Liberia]. Holotype: RMNH 5341; figured by Boeseman (1963: pl. 1, fig. 2).

*Chrysiichthys camaronensis* Günther, 1899: 729, pl. 44. Type locality: Camaroons. Holotype: BMNH 1871.11.20.21. As *Chrysiichthys camaronensis* in text (p. 729, 732) and *Chrysiichthys cameronensis* on plate; first reviser may be Eschmeyer *et al.* (1998).

*Chrysiichthys 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.

***Chrysiichthys nyongensis*** Risch & Thys van den Audenaerde, 1985

*Chrysiichthys 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.

***Chrysiichthys 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).

***Chrysiichthys okae*** Fowler, 1949

*Chrysiichthys okae* Fowler, 1949: 261, figs. 53–58. Type locality: Oka, Congo system. Holotype: ANSP 71909.

Distribution: Central Congo basin, in tributary streams (Risch, 1986).

***Chrysiichthys ornatus*** Boulenger, 1902

*Chrysiichthys 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).

***Chrysiichthys persimilis*** Günther, 1899

*Chrysiichthys 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 *Chrysiichthys auratus* (Geoffroy Saint-Hilaire, 1809).

***Chrysiichthys platycephalus*** Worthington & Ricardo, 1937

*Chrysiichthys 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 waganaari*** Boulenger, 1899

*Chrysichthys waganaari* 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 *Notoglandium 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* Thomassin, 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 Ituriflüss 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 Senguier en el lado Musters (45°60'S, 49°10'W) [Chubut, Argentina]. Holotype: ILPLA 8452.

Distribution: Chubut and Senguier 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.

***Astrodoras 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 uranoscopis* 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: Jutai 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 Marañón in Peru. Holotype: FMNH 77008.

Distribution: Pastaza River basin in Marañón 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: Manãos [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

*Chasmocranus 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: Itaqui —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 Piloes, 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, Misioni 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 occlói*** Eigenmann, 1928

*Ancistrus occlói* 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 madeiræ* 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*** (Castelnau, 1855)

*Hypostomus niveatus* Castelnau, 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 Tucuruí 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 coppenamensis*** Boeseman, 1969

*Hypostomus coppenamensis* 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 Espriado, 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 Cepède, 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 cesarpintoi*** Miranda Ribeiro, 1939

*Parotocinclus cesarpintoi* 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: ICNMFH 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, oppsie 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.

**MALAPTERURUS** La Cepède, 1803

*Malapterurus* La Cepède, 1803: 90. Type species: *Silurus electricus* Gmelin, 1789. Type by designation under plenary powers; placed on Official List (ICZN Opinion 93, Direction 56). Gender: Masculine.

*Anacanthus* Minding 1832: 117. Type species: *Silurus electricus* Gmelin, 1789. Type by monotypy. Preoccupied by *Anacanthus* Gray, 1830, in fishes. Gender: Masculine.

*Malopterurus* Agassiz, 1846: 223. Type species: *Silurus electricus* Gmelin, 1789. Type by being a replacement name. Unjustified emendation of *Malapterurus* La Cepède, 1803. Gender: Masculine.

Remarks: *Malapterus* Jarocki, 1822, *Malapturus* Swainson, 1838, and *Malacopterurus* Gill, 1890, are considered to be incorrect subsequent spellings, and therefore unavailable names, in ICZN Direction 56. Forsskål (1775: 16) applied the generic name of the electric ray, *Torpedo*, to his account of the electric catfish of the Nile.

***Malapterurus barbatus*** Norris, 2002

*Malapterurus barbatus* Norris, 2002: 88, fig. 49. Type locality: Sierra Leone, Sewa River system, Bagbe River at Yfin, 8°42'N, 11°05'W. Holotype: MNHN 1990-100.

Distribution: Western Guinean rivers from the Kolente River, Sierra Leone, to the Borlor River, Liberia (Norris, 2002).

***Malapterurus beninensis*** Murray, 1855

*Malapterurus Beninensis* Murray, 1855: 20, pl. Type locality: Old Calabar. Syntypes: BMNH 1856.1.16.1 (2), possibly NMSZ 1855.27 (2).

? *Malapterurus affinis* Günther, 1864: 220. Type locality: Old Calabar. Syntypes: BMNH 1859.11.20.1 (1), BMNH 1864.7.9.1 (1).

Distribution: Coastal plains of west central Africa, from the Volta River, Ghana, to the Shiloango River, Angola (Norris, 2002).

Remarks: Synonymy of *Malapterurus affinis* with *M. beninensis* considered tentative by Norris (2002).

***Malapterurus cavalliensis*** Roberts, 2000

*Malapterurus cavalliensis* Roberts, 2000: 8. Type locality: Ivory Coast: rivière Cavally directly W of Tiéouléoula about 18 km S of Tai. Holotype: BMNH 2000.3.3.7.

? *Malapterurus thysi* Norris, 2002: 81, fig. 45. Type locality: Ivory Coast, Cess (Nipoué) River at Toyebli, 6°38'N, 8°29'W. Holotype: MRAC 73-10-P-4144.

Distribution: Cess and Cavally Rivers, western Côte d'Ivoire (Norris, 2002).

***Malapterurus electricus*** (Gmelin, 1789)

*Silurus electricus* Bonnaterre, 1788: 156, pl. 62 (fig. 245). Type locality: Nile and rivers of Africa. No types known.

*Silurus electricus* Gmelin, 1789: 1354. Type locality: Rosetta, branch of the Nile River, Egypt. Neotype: BMNH 1907.12.2.2547, designated in Poll & Gosse (1969: 5). Placed on Official list as type of *Malapterurus* (ICZN Direction 57).

Distribution: Nile River basin; Western African rivers south to the Niger River basin (Norris, 2002).

***Malapterurus leonensis*** Roberts, 2000

*Malapterurus leonensis* Roberts, 2000: 9. Type locality: Sierra Leone, Moyamba. Holotype: BMNH 1976.11.12.122.

? *Malapterurus stiassnyae* Norris, 2002: 48, fig. 23. Type locality: Sierra Leone, River Moa drainage, Tiwai Island, 7°33'N, 11°21'W. Holotype: AMNH 59488.

Distribution: Upper Guinean basins of western Africa, between the Bofon River, Guinea, and St. Paul River, Liberia (Norris, 2002).

***Malapterurus melanochir*** Norris, 2002

*Malapterurus melanochir* Norris, 2002: 109, fig. 65. Type locality: Congo, Congo R. basin, Ruki River at Eala, 00°04'N, 18°20'E. Holotype: MRAC 46166.

Distribution: Central Congo River basin and upper Lualaba River system (Norris, 2002).

***Malapterurus microstomus*** Poll & Gosse, 1969

*Malapterurus microstoma* Poll & Gosse, 1969: 8, pls. 1, 2 (fig. b), 3 (fig. b). Type locality: Yangambi, Congo R., Zaire. Holotype: MRAC 164701.

Distribution: Congo River basin (Norris, 2002).

***Malapterurus minjiriya*** Sagua, 1987

*Malapterurus minjiriya* Sagua, 1987: 78, fig. 1. Type locality: Lake Kainji, lower Niger basin, Nigeria. Holotype: BMNH 1979.3.5.405.

Distribution: Niger and Volta River basins; possibly also White Nile and Omo River (Norris, 2002).

***Malapterurus monsembeensis*** Roberts, 2000

*Malapterurus monsembeensis* Roberts, 2000: 9. Type locality: Upper Congo at Monsembe. Holotype: BMNH 1899.8.22.6.

? *Malapterurus gossei* Norris, 2002: 102, fig. 60. Type locality: Congo, Congo R. basin, Léopoldville (Ouest) (= Kinshasa), 4°20'N, 15°15'E. Holotype: MRAC 88017.

Distribution: Congo River system (Norris, 2002).

***Malapterurus occidentalis*** Norris, 2002

*Malapterurus occidentalis* Norris, 2002: 73, fig. 40. Type locality: Gambia, Mc Carthy Id. 13°32' [N], 14°46' E [sic, W]. Holotype: BMNH 1901.12.28.77.

Distribution: Middle Gambia River, Gambia, and Geba River, Guinea-Bissau (Norris, 2002).

***Malapterurus oguensis*** Sauvage, 1879

*Malapterurus electricus oguensis* Sauvage, 1879: 99. Type locality: Lopé, pays des Okanda, fleuve Ogôoué. Holotype: MNHN a-0889. Originally proposed as *Malapterurus electricus* var. *oguensis*. Described in more detail and illustrated in Sauvage (1880c: 45, pl. 1, fig. 3) as *Malapterurus electricus*, var. *ogooensis*.

Distribution: Ivindo River, Ogowe River basin; and Nyanga River and Kouilou-Niari Systems of western Africa.

***Malapterurus punctatus*** Norris, 2002

*Malapterurus punctatus* Norris, 2002: 91, fig. 51. Type locality: Liberia, Cavally River drainage, unspecified tributary waters of Duobe River at Duo Town, ca. 5°41'N, 8°06'W. Holotype: MRAC 80-36-P-2154.

Distribution: Eastern Guinean rivers, from the St. Paul River, Sierra Leone, to the Cavally River, Liberia (Norris, 2002).

***Malapterurus shirensis*** Roberts, 2000

*Malapterurus shirensis* Roberts, 2000: 10. Type locality: Chiromo, lower Shire. Holotype: BMNH 1921.9.6.53.

? *Malapterurus zambeziensis* Norris, 2002: 44, fig. 20. Type locality: Zambia/Zimbabwe, Zambezi River drainage, Lake Kariba at Andora Harbor. Holotype: MRAC 187094.

Distribution: Zambezi River basin (Norris, 2002).

***Malapterurus tanganyikaensis*** Roberts, 2000

*Malapterurus tanganyikaensis* Roberts, 2000: 11. Type locality: Lake Tanganyika. Holotype: BMNH 1936.6.15.1234.

*Malapterurus polli* Norris, 2002: 111, fig. 67. Type locality: Tanzania: au large de Karema, à 660–700 m de la côte, ± 6°49'N, 30°26'E. Holotype: MRAC 90328.

Distribution: Lake Tanganyika (Norris, 2002).

***Malapterurus tanoensis*** Roberts, 2000

*Malapterurus tanoensis* Roberts, 2000: 11. Type locality: Unvaiye lagoon, Tano basin, sw. Ghana. Holotype: USNM 316021.

? *Malapterurus murrayi* Norris, 2002: 94, fig. 54. Type locality: Ghana, Tano River near Wiawso, slow pool, 6°12'N 2°29'W. Holotype: BMNH 1969.4.28.29.

Distribution: Ofin and Tano Rivers, Ghana (Norris, 2002).

***Malapterurus teugelsi*** Norris, 2002

*Malapterurus teugelsi* Norris, 2002: 52, fig. 26. Type locality: Guinea, Ndyarendi, Kogon River, ca. 11°21'N, 14°30'W. Holotype: MRAC 92-59-P-1680.

Distribution: Kogon River basin, Guinea (Norris, 2002).

**PARADOXOGLANIS** Norris, 2002

*Paradoxoglanis* Norris, 2002: 117. Type species: *Paradoxoglanis caudivittatus* Norris, 2002. Type by original designation. Gender: Masculine.

***Paradoxoglanis caudivittatus*** Norris, 2002

*Paradoxoglanis caudivittatus* Norris, 2002: 120, fig. 72. Type locality: Congo, Lomela, N. Sankuru, petits ruisseaux affl. riv. Lomela, 2°00'–2°19'S, 22°58'–23°15'E. Holotype: MRAC 98452.

Distribution: Central portions of the Congo Basin (Norris, 2002).

***Paradoxoglanis cryptus* Norris, 2002**

*Paradoxoglanis cryptus* Norris, 2002: 128, fig. 78. Type locality: Congo, Aketi, riv. Kagala, affl. riv. Itimbiri, rive droite, 2°44'N, 23°46'E. Holotype: MRAC 88-25-P-2231.

Distribution: Kagal River, Itimbiri basin, Congo System (Norris, 2002).

***Paradoxoglanis parvus* Norris, 2002**

*Paradoxoglanis parvus* Norris, 2002: 126, fig. 76. Type locality: Congo, Congo R. drainage, Mawuya, riv. Mawuya, terr. de Libenge, 3°14'N 18°41'E. Holotype: MRAC 167535.

Distribution: middle Congo River basin (Norris, 2002).

## **MOCHOKIDAE Jordan, 1923**

Synodontini Bleeker, 1862 (in Bleeker, 1862–63): 6. Type genus: *Synodontis* Cuvier, 1816.

Rhinoglanina Günther, 1864: 4, 10, 216. Type genus: *Rhinoglanis* Günther, 1864.

Mochokidae Jordan, 1923: 150. Type genus: *Mochokus* Joannis, 1835.

Chiloglanidinae Riehl & Baensch, 1990: 396. Type genus: *Chiloglanis* Peters, 1868.

Remarks: The name Simuldentinae, published in Taverne & Aloulou-Triki (1974) is not available as a family group name because it is not based on an available generic name.

Taxonomic summary: Gosse (1986b).

Reviews: Paugy & Roberts (1992, West Africa); Skelton (1993, 2001, Southern Africa); Seegers (1996, Lake Rukwa basin); Skelton, *et al.* (1985, Okavango basin).

Key to genera: Poll & Gosse (1994).

10 genera, 188 species; no named fossil taxa.

### ***ACANTHOCLEITHRON* Nichols & Griscom, 1917**

*Acanthocleithron* Nichols & Griscom, 1917: 720. Type species: *Acanthocleithron chapini* Nichols & Griscom, 1917.

Type by monotypy. Gender: Neuter.

#### ***Acanthocleithron chapini* Nichols & Griscom, 1917**

*Acanthocleithron chapini* Nichols & Griscom, 1917: 721, fig. 26. Type locality: Avakubi [Ituri River], Congo. Holotype: AMNH 6548.

Distribution: Ituri River and Congo River from Kisangani to Stanley Pool (Gosse, 1986b).

### ***ATOPOCHILUS* Sauvage, 1879**

*Atopochilus* Sauvage, 1879: 97. Type species: *Atopochilus savorgnani* Sauvage, 1879. Type by monotypy. Gender: Masculine.

#### ***Atopochilus chabanaudi* Pellegrin, 1938**

*Atopochilus Chabanaudi* Pellegrin, 1938a: 375, fig. 1. Type locality: Brazzaville (Congo). Holotype: MNHN 1937-0111.

Distribution: Congo River at Stanley Pool (Gosse, 1986b).

Remarks: Catalog number for holotype of *Atopochilus Chabanaudi* mistakenly reported as MNHN 37-311 by Bertin & Estève (1950).

#### ***Atopochilus christyi* Boulenger, 1920**

*Atopochilus Christyi* Boulenger, 1920a: 33, fig. 17. Type locality: Stanley-Falls, ... d'Avakubi sur l'Ituri. Syntypes (2): Possibly BMNH 1919.9.10.282 (1), MRAC 7239 (1), MRAC 7350 (1).

Distribution: Congo River basin (Gosse, 1986b).

#### ***Atopochilus macrocephalus* Boulenger, 1906**

*Atopochilus macrocephalus* Boulenger, 1906a: 112. Type locality: Fort Don Carlos, in the province of Loanda, at the

junction of the Cambo and Kwango (or Cuango) Rivers, Angola. Holotype: BMNH 1904.5.2.182.

Distribution: Congo River basin (Gosse, 1986b).

***Atopochilus mandevillei*** Poll, 1959

*Atopochilus mandevillei* Poll, 1959: 104, pl. 18 (figs. 2a–c). Type locality: Stanley Pool. Holotype: MRAC 100503.

Distribution: Congo River at Stanley Pool (Gosse, 1986b).

***Atopochilus pachychilus*** Pellegrin, 1924

*Atopochilus pachychilus* Pellegrin, 1924c: 487. Type locality: Kanda kanda, dans la Lubilonji, tributaire du Kasai, affluent du Congo. Syntypes (2): MNHN 1924-0213 (1), MRAC 14920 (1).

Distribution: Kasai River, Congo basin; known only from type locality (Gosse, 1986b).

***Atopochilus savorgnani*** Sauvage, 1879

*Atopochilus Savorgnani* Sauvage, 1879: 98. Type locality: Doumé [Fl. Ogôoué, aux chutes de Doumé (Congo français)]. Holotype: MNHN a-0899. Described in more detail and illustrated in Sauvage (1880c: 43. pl. 3, fig. 3).

Distribution: Upper Ogowe River, Muni River Basin, Equatorial Guinea, and Ntem River, southern Cameroon (Gosse, 1986b).

***Atopochilus vogti*** Pellegrin, 1922

*Atopochilus Vogti* Pellegrin, 1922c: 350. Type locality: Riv. Wamé, Afrique orientale. Holotype: MNHN 1922-0021.

Distribution: Wami River, Tanzania (Gosse, 1986b; Seegers, 2003).

**BRACHYSYNODONTIS** Bleeker, 1862

*Brachysynodontis* Bleeker, 1862 (in Bleeker, 1862–63): 6. Type species: *Synodontis batensoda* Rüppell, 1832. Type by original designation. Gender: Feminine.

Remarks: Treated in Willoughby (1994) as a synonym of *Synodontis*, without comment.

***Brachysynodontis batensoda*** (Rüppell, 1832)

*Synodontis batensoda* Rüppell, 1832: 6, pl. 3 (fig. 2). Type locality: Nil, bei Kaïro. Holotype: SMF 2636 (dry).

*Synodontes Ruppelli* Swainson, 1838: 339, fig. 82. Type locality: [No locality stated]. No types known.

Distribution: Nile, Chad, Niger, Senegal and Gambia river basins (Gosse, 1986b).

Remarks: Synonymy follows Grant (2004).

**CHILOGLANIS** Peters, 1868

*Chiloglanis* Peters, 1868b: 599. Type species: *Chiloglanis deckenii* Peters, 1868. Type by monotypy. Gender: Masculine.

Reviews: Jubb & Le Roux (1969, southern Africa); Roberts (1989b, Cameroon), Seegers (1996, Lake Rukwa).

Remarks: The name *Chiloglanis athiensis* appears in Copley (1941: 15) but as name only and therefore not an available name.

***Chiloglanis angolensis*** Poll, 1967

*Chiloglanis angolensis* Poll, 1967: 255, fig. 120. ruisseau à forêt-galerie, traversant la route Chibia-Jau, à la bifurcation Jau-Onguéria, quelques km au sud de la Chibia, environs de Sá de Bandeira, alt. 1.500 m., Angola. Holotype: MD 1875.

Distribution: known only from type locality (Gosse, 1986b).

***Chiloglanis anoterus*** Crass, 1960

*Chiloglanis anoterus* Crass, 1960: 446, fig. 2 (a–d). Type locality: Upper Pivaan River (Pongola River system), altitude  $\pm$  4600 ft. (30°28'E, 27°30'S), Natal. Holotype: AMG P1157.

Distribution: Phongolo and Incomati River system tributaries (Skelton, 1993).

***Chiloglanis asymetricaudalis*** De Vos, 1993

*Chiloglanis asymetricaudalis* De Vos, 1993: 154, figs. 2–4. Type locality: Nyakabuye, rivière Rubyiroyi, (bassin de la Ruzizi), près de la confluence avec la rivière Ntandwe, Rwanda (2°34'S, 29°02'E). Holotype: MRAC 87-05-P-263.

Distribution: Ruzizi River basin, Lake Tanganyika drainage (De Vos, 1993).

***Chiloglanis batesii*** Boulenger, 1904



- Chiloglanis Batesii* Boulenger, 1904a: 19. Type locality: South Cameroon; Efulen and stream tributaries of the Lobi River, 15 or 20 miles S. W. of Efulen. Syntypes (5): BMNH 1904.7.1.97–100 (4), BMNH 1904.7.1.127 (1).
- Chiloglanis micropogon* Poll, 1952: 228, figs. 3–4. Type locality: riv. Nzokwe, affluent del la riv. Ulindi (Territ. Kabare). Holotype: MRAC 91479.
- Distribution: Lualaba and Kasai River, Congo Basin; Upper Niger; Meme, Mungo, Lobi Rivers and coastal rivers of Cameroon; Kaduna River, Nigeria (Gosse, 1986b).
- Remarks: *Chiloglanis micropogon* has been generally treated as valid, but recently treated by Roberts (1989b: 169) as a synonym of *C. batesii*.
- Chiloglanis benuensis*** Daget & Stauch, 1963
- Chiloglanis benuensis* Daget & Stauch, 1963: 98, fig. 3. Type locality: Bénoué à Lakdo. Holotype: MNHN 1962-1273.
- Distribution: Niger River basin; known only from type locality (Gosse, 1986b).
- Chiloglanis bifurcus*** Jubb & Le Roux, 1969
- Chiloglanis bifurcus* Jubb & Le Roux, 1969: 17, figs. 9–9a. Type locality: Crocodile River, Incomati River system, Montrose Farm, Nelspruit District, Southern Africa. Holotype: AMG P996.
- Distribution: Crocodile-Incomati basin (Skelton, 1993).
- Remarks: See Kelynhans & James (1995) for comments on species.
- Chiloglanis brevibarbis*** Boulenger, 1902
- Chiloglanis brevibarbis* Boulenger, 1902f: 224, pl. 17 (figs. 2, 2a, 2b). Type locality: Mathoiya River, in the Kenya district, East Africa. Holotype: BMNH 1902.5.26.19.
- Distribution: Tana System and Athi River (Gosse, 1986b).
- Chiloglanis cameronensis*** Boulenger, 1904
- Chiloglanis cameronensis* Boulenger, 1904a: 18. Type locality: Efulen, South Cameroon. Syntypes (7): BMNH 1904.7.1.90–96 (7).
- Distribution: coastal rivers of Cameroon, Equatorial Guinea, and Gabon, Congo River basin (Gosse, 1986b).
- Chiloglanis carnosus*** Roberts & Stewart, 1976
- Chiloglanis carnosus* Roberts & Stewart, 1976: 282, pl. 8 (figs. b–d). Type locality: Near village of Inga, a few kilometers upstream and on the opposite side of the river from Inga hydroelectric dam. Lat. 5°27.5'S, Long. 13°36.0'E; lower Zaïre or Congo River. Holotype: MCZ 50464.
- Distribution: Lower Congo River basin; known only from type locality (Gosse, 1986b).
- Chiloglanis congicus*** Boulenger, 1920
- Chiloglanis congicus* Boulenger, 1920a: 32, fig. 16. Type locality: Stanley-Falls, Congo Belge. Holotype: MRAC 7159.
- Distribution: Stanley Falls, Stanley Pool, Congo River basin (Gosse, 1986b).
- Chiloglanis deckenii*** Peters, 1868
- Chiloglanis Deckenii* Peters, 1868b: 599, pl. 2. Type locality: Africa orientalis. Syntypes: ZMB 6844 (3), ZMB 16387.
- Synodontis eury stomus* Pfeffer, 1889: 14. Type locality: Rufu bei Korogwe. Lectotype: ZMH H387, designated by Ladiges *et al.* (1958: 159).
- Distribution: Kenya and Tanzania (Gosse, 1986b).
- Chiloglanis disneyi*** Trewavas, 1974
- Chiloglanis disneyi* Trewavas, 1974: 365, figs. 6 (left), 8. Type locality: R. Wowe, Mungo system, Cameroon. Holotype: BMNH 1973.5.14.342.
- Distribution: Wowe River, Mungo basin; Known only from type locality (Gosse, 1986b).
- Chiloglanis elisabethianus*** Boulenger, 1915
- Chiloglanis elisabethianus* Boulenger, 1915: 171. Type locality: Rivière Lubumbashi, à Elisabethville. Holotype: MRAC 12126.
- Distribution: Luapula-Moero River, Congo River basin (Gosse, 1986b).
- Chiloglanis emarginatus*** Jubb & Le Roux, 1969
- Chiloglanis emarginatus* Jubb & Le Roux, 1969: 21, figs. 12–12a. Type locality: Lekkerloop River, tributary of the

Komati River of the Incomati River system, on the farm Vergelegen, Carolina District, Southern Africa. Holotype: AMG P953.

Distribution: Phongolo and Incomati Rivers, South Africa and Swaziland, and Pungwe and Zambezi Rivers, Zimbabwe (Skelton, 1993).

***Chiloglanis fasciatus*** Pellegrin, 1936

*Chiloglanis fasciatus* Pellegrin, 1936a: 58. Type locality: Cubango, Angola. Holotype: MNHN 1936-0158.

Distribution: Zambezi River system, Angola and Botswana (Gosse, 1986b).

***Chiloglanis harbinger*** Roberts, 1989

*Chiloglanis harbinger* Roberts, 1989b: 175, fig. 13. Type locality: Cameroun, R. Lokunje near Bipindi. Holotype: CAS 60811.

Distribution: Lokunje River basin, southeastern Cameroon (Roberts, 1989b).

***Chiloglanis kalambo*** Seegers, 1996

*Chiloglanis kalambo* Seegers, 1996: 377, figs. 279–281. Type locality: Kanyelevu River, a southeastern affluent of the upper Kalambo River, on road from Sumbawanga to Mbala, 34 km N of the Tanzania–Zambia border, Lake Tanganyika drainage, Rukwa region, western Tanzania (8°25'S, 31°30'E). Holotype: MRAC 94-34-P-1079.

Distribution: Upper Kalambo River basin, Tanzania (Seegers, 1996).

***Chiloglanis lamottei*** Daget, 1948

*Chiloglanis lamottei* Daget, 1948: 38, fig. 12. Type locality: Guinée Fse: Mt. Nimba, Zié, alt. 475–500 m. Holotype: MNHN 1949-0056.

Distribution: Known only from the type locality (Gosse, 1986b).

***Chiloglanis lufirae*** Poll, 1976

*Chiloglanis lufirae* Poll, 1976: 97, fig. 52. Type locality: Muye (affluent droit de la Lufira), alt. 800–900 m. [Upemba National Park]. Holotype: MRAC 79-01-P-4728.

Distribution: Lufira River tributary; known only from type locality (Gosse, 1986b).

***Chiloglanis lukugae*** Poll, 1944

*Chiloglanis lukugae* Poll, 1944a: 7, figs. 3–5. Type locality: Sange, région d'Albertville, Congo belge. Holotype: IRSNB 72; illustrated in Poll (1946: 224, fig. 23).

Distribution: Luapula River basin; tributaries of Lake Tanganyika, Angola, affl. of Cuango River (Gosse, 1986b).

Remarks: Gosse (1986b) stated that the type locality is a small tributary of the Luvua River on road between Albertville and Kiambi but not near Albertville as has been stated elsewhere.

***Chiloglanis macropterus*** Poll & Stewart, 1975

*Chiloglanis macropterus* Poll & Stewart, 1975: 152, fig. 1. Type locality: Luongo River, at ferry crossing, 53 km. S. of Kawambwa, Zambia. Holotype: ROM 28035.

Distribution: Luongo River, Zambia (Gosse, 1986b).

***Chiloglanis marlieri*** Poll, 1952

*Chiloglanis marlieri* Poll, 1952: 226, figs. 1–2. Type locality: riv. Ndakirwa à Meshe, affluent de la Luhoho. Holotype: MRAC 91478.

Distribution: Lualaba basin (Gosse, 1986b).

***Chiloglanis mbozi*** Seegers, 1996

*Chiloglanis mbozi* Seegers, 1996: 224, figs. 161–162. Type locality: Hanseketwa River, a brook which is an affluent of the Momba River, draining the Mbozi block via the Msangano trough, 25 km east of Tunduma on the road to Mbeya, Mbeya Region, western Tanzania (9°08'S, 32°52'E). Holotype: MRAC 94-34-P-927.

Distribution: Hanseketwa River, Momba River basin, Tanzania (Seegers, 1996).

***Chiloglanis microps*** Matthes, 1965

*Chiloglanis microps* Matthes, 1965: 188, figs. 3–4. Type locality: riv. Lukima à Kiamakoto (Lufira). Holotype: MRAC 140908.

Distribution: Lufira River basin (Gosse, 1986b).

***Chiloglanis modjensis*** Boulenger, 1904

*Chiloglanis modjensis* Boulenger, 1904b: 332, pl. 31 (figs. 3, 3a, 3b). Type locality: Modjo River [Webi Shebeli basin]. Syntypes (2): BMNH 1905.7.25.103 (1).

Distribution: Webi Shebéli basin, southern Ethiopia (Gosse, 1986b).

***Chiloglanis neumanni*** Boulenger, 1911

*Chiloglanis neumanni* Boulenger, 1911a: 481, fig. 359. Type locality: Upper Bubu River, Masailand. Lectotype: BMNH 1905.7.25.49; designated by, and illustrated in, Seegers (1996: 214, fig. 152).

Distribution: Limpopo River system, Cunene, Kafue, Zambezi, Kiavango, and upper Congo Rivers, Lakes Malawi and Kariba (Gosse, 1986b; Skelton, 1993).

***Chiloglanis niger*** Roberts, 1989

*Chiloglanis niger* Roberts, 1989b: 173, figs. 1f, 2f, 4e–f, 6f, 12. Type locality: Cameroun, Niger basin, R. Menchum below high waterfall near Befang, Bamenda highlands. Holotype: CAS 60809.

Distribution: Menchum River, Niger River basin, Cameroon (Roberts, 1989b).

***Chiloglanis niloticus*** Boulenger, 1900

*Chiloglanis niloticus* Boulenger, 1900d: 522. Type locality: island of Arko, Soudan. Syntypes (several): BMNH 1907.12.2.2466–73 (8), MNHN 1907-0230 (1), MSNG 14420 (1).

Distribution: Nile and Niger River basins (Gosse, 1986b).

***Chiloglanis normani*** Pellegrin, 1933

*Chiloglanis normani* Pellegrin, 1933a: 113, fig. on p. 114. Type locality: Danané (Côte d'Ivoire). Syntypes (2): MNHN 1932-0301 (1), NMBA 4253 (1).

Distribution: Cavally River system; known only from type locality (Gosse, 1986b).

***Chiloglanis occidentalis*** Pellegrin, 1933

*Chiloglanis occidentalis* Pellegrin, 1933a: 112, fig. on p. 112. Type locality: Douékoué, ... Man (Côte d'Ivoire). Syntypes (2): MNHN 1932-0300 (1), NMBA 4252 (1).

*Chiloglanis niloticus waterloti* Daget, 1954: 304, fig. 115. Type locality: Banamanan, cercle de Kissidougou [Guinea]. Syntypes: MNHN 1935-0224 (1), MNHN 1960-0472 (5), MNHN 1960-0473 (29 or 32), MNHN 1960-0474 (18 or 15).

Distribution: Bafing and Baoule rivers, upper Senegal, upper Niger, Sassandra, upper St. Paul, Kolente and Konkoure Rivers (Gosse, 1986b).

***Chiloglanis paratus*** Crass, 1960

*Chiloglanis paratus* Crass, 1960: 452, fig. 4 (a–d). Type locality: Concrete wall of Pongola River barrage, altitude ± 1000 ft. (31°30'E, 27°23'S), Natal. Holotype: AMG P1154.

Distribution: Phongolo, Incomati and Limpopo river systems, southern Africa (Skelton, 1993).

***Chiloglanis pojeri*** Poll, 1944

*Chiloglanis pojeri* Poll, 1944a: 8, figs. 6–8. Type locality: Mambwe, région d'Albertville. Holotype: IRSNB 74; illustrated in Poll (1946: 225, fig. 24).

Distribution: Luvua and Lualaba River, upper Congo Basin; Koki River of Lake Tanganyika (Gosse, 1986b).

***Chiloglanis polyodon*** Norman, 1932

*Chiloglanis polyodon* Norman, 1932: 184, fig. 3. Type locality: Headwaters of Bagbwe River, Sierra Leone. Holotype: BMNH 1932.5.18.64.

Distribution: Bagbwe River basin, Sierra Leone; known only from type locality (Gosse, 1986b).

***Chiloglanis polypogon*** Roberts, 1989

*Chiloglanis polypogon* Roberts, 1989b: 168, figs. 1b, 2b, 3c–d, 6a–b, 8. Type locality: Cameroun, Cross basin, high gradient stream along road from Mamfe to Bamenda, 88–94 km SW of Bamenda. Holotype: CAS 60790.

Distribution: Cross River basin, Cameroon (Roberts, 1989b).

***Chiloglanis pretoriae*** van der Horst, 1931

*Chiloglanis pretoriae* van der Horst, 1931: 248, fig. 2. Type locality: Crocodile River, Pretoria District, Transvaal. Holotype: at TM, current whereabouts unknown.

*Chiloglanis pumilus* van der Horst, 1931: 250, fig. 4. Type locality: Aapies River and Crocodile River, Pretoria Dist., Transvaal. Syntypes: SAIAB 30011 (1), SAIAB 30012 (1).

Distribution: Incomati, Limpopo, middle and lower Zambezi, Pungwe and Busi basins, southern Africa (Skelton, 1993).

***Chiloglanis reticulatus*** Roberts, 1989

*Chiloglanis reticulatus* Roberts, 1989b: 165, figs. 1a, 2a, 3a–b, 5, 7. Type locality: Cameroun, Congo basin, R. Mwamedjwel, a very small stream 2–3 km W of Yokadouma. Holotype: CAS 60786.

Distribution: Northwestern portion of the Congo River basin, Cameroon and Congo (Roberts, 1989b).

***Chiloglanis rukwaensis*** Seegers, 1996

*Chiloglanis rukwaensis* Seegers, 1996: 227, figs. 163–164. Type locality: Chiwanda River (also spelled Chuwanda or Chwanda River), a small river, Momba drainage, 32 km northwest of Tunduma near Chiwanda (or Chuwanda), on the road to Sumbawanga, western Lake Rukwa drainage, Mbeya Region, western Tanzania, (09°10'S, 32°33'E). Holotype: MRAC 94-34-P-932.

Distribution: Chiwanda River, Momba River basin, Tanzania (Seegers, 1996).

***Chiloglanis ruziziensis*** De Vos, 1993

*Chiloglanis ruziziensis* De Vos, 1993: 162, figs. 6–7. Type locality: Nyakabuye, rivière Rubyiro (bassin de la Ruzizi), pres de la confluence avec la rivière Ntandwe, Rwanda (2°34'S, 29°02'E). Holotype: MRAC 87-05-P-264.

Distribution: Ruzizi River basin, Lake Tanganyika drainage (De Vos, 1993).

***Chiloglanis sanagaensis*** Roberts, 1989

*Chiloglanis sanagaensis* Roberts, 1989b: 169, figs. 1c, 2c, 3 (e–f), 6 (c–d), 9. Type locality: Cameroun, Sanaga basin, gravel bars and riffles in lower 1–2 km of R. Nchit where it flows into R. Mbam. Holotype: CAS 60794.

Distribution: Sanaga River basin (Roberts, 1989b).

***Chiloglanis sardinhai*** Ladiges & Voelker, 1961

*Chiloglanis sardinhai* Ladiges & Voelker, 1961: 139, pl. 7 (figs. 12 and 13). Type locality: Mujije (der Mujije ist ein Zufluss des Longa, Cuanza-Sul, Angolas). Holotype: ZMH H1317.

Distribution: Longa River basin; known only from type locality (Gosse, 1986b).

***Chiloglanis somereni*** Whitehead, 1958

*Chiloglanis somereni* Whitehead, 1958: 199, figs. 2–3. Type locality: Waroya River, Nyanza Province, Kenya; at 34°30'E, 0°10'N. Holotype: BMNH 1958.7.18.1.

Distribution: Westward flowing rivers of Kenya into Lake Victoria (Gosse, 1986b).

***Chiloglanis swierstrai*** van der Horst, 1931

*Chiloglanis swierstrai* van der Horst, 1931: 249, fig. 3. Type locality: Crocodile River, Pretoria District, Transvaal. Holotype: SAIAB 30013.

*Chiloglanis engiops* Crass, 1960: 451, fig. 3 (a–d). Type locality: Lower Pivaan Rier (Pongola River system), altitude ± 2000 ft. (31°11'E, 27°25'S), Natal. Holotype: AMG P1156.

Distribution: Lowveld and warmer portions of Phongolo, Incomati and Limpopo river basins, southern Africa (Skellton, 1993).

***Chiloglanis trilobatus*** Seegers, 1996

*Chiloglanis trilobatus* Seegers, 1996: 230, figs. 165–167. Type locality: Piti River, an affluent of the Rungwa River, 63 km S of Rungwa Village on the road from Itigi to Makambako or Mbeya, eastern Lake Rukwa drainage, western Tanzania (07°27'S, 33°25'E). Holotype: MRAC 94-34-P-938.

Distribution: Rungwizi River basin, Lake Rukwa basin, Tanzania (Seegers, 1996).

***Chiloglanis voltae*** Daget & Stauch, 1963

*Chiloglanis voltae* Daget & Stauch, 1963: 99, fig. 4. Type locality: Bougouri Ba au pont de Nabéré. Holotype: MNHN 1962-1280.

Distribution: Volta and upper Bénoué River systems (Gosse, 1986b).

***EUCHILICHTHYS*** Boulenger, 1900

*Euchilichthys* Boulenger, 1900d: 522. Type species: *Atopochilus guentheri* Schilthuis, 1891. Type by subsequent designation by Jordan (1920: 488). Gender: Masculine.

***Euchilichthys astatodon*** (Pellegrin, 1928)

*Atopochilus astatodon* Pellegrin, 1928b: 107, fig. 1. Type locality: Luluaburg Saint-Joseph, Congo belge. Syntypes (6): MNHN 1928-0017 (1), MNHN 1928-0018 (1), MRAC 19942 (1), NMBA 3721 (1), NMBA 3723–24 (2), NMBA 3726 (1).

Distribution: Kasai River (Gosse, 1986b).

***Euchilichthys boulengeri*** Nichols & La Monte, 1934

*Euchilichthys boulengeri* Nichols & La Monte, 1934: 3, fig. 3. Type locality: Luluabourg, Kasai District, Belgian Congo. Holotype: AMNH 12357.

Distribution: Kasai River (Gosse, 1986b).

***Euchilichthys dybowskii*** (Vaillant, 1892)

*Chiloglanis Dybowskii* Vaillant, 1892b: 2. Type locality: l'Oubanghi. Syntypes: MNHN 1892-0081 (2).

*Euchilichthys habereri* Steindachner, 1912: 447. Type locality: Dscha, Süd. Kamerun. Holotype: NMW 10700.

Illustrated and described in more detail in Steindachner (1913: 45, fig. 9 and pl. 1 (figs. 2–2a).

Distribution: Ja River, Congo basin, Cameroon (Gosse, 1986b).

***Euchilichthys guentheri*** (Schilthuis, 1891)

*Atopochilus guentheri* Schilthuis, 1891: 86, pl. 6 (fig. 2). Type locality: Stanley Pool. Holotype: BMNH 1899.9.6.6.

Distribution: Congo River basin, up to Bangweulu River system (Gosse, 1986b).

***Euchilichthys royauxi*** Boulenger, 1902

*Euchilichthys royauxi* Boulenger, 1902d: 46, pl. 13. Type locality: l'Ubangi à Banzyville. Syntypes (3): BMNH 1901.12.26.46–47 (2), MRAC 1186 (1).

Distribution: Congo River basin, up to Moero Lake system (Gosse, 1986b).

**HEMISYNODONTIS** Bleeker, 1862

*Hemisynodontis* Bleeker, 1862 (in Bleeker, 1862–63): 6. Type species: *Pimelodus membranaceus* Geoffroy St. Hilaire, 1809. Type by original designation. Gender: Feminine.

Remarks: Treated in Willoughby (1994) as a synonym of *Synodontis*, without comment.

***Hemisynodontis membranacea*** (Geoffroy Saint-Hilaire, 1809)

*Pimelodus membranaceus* Geoffroy Saint-Hilaire, 1809: pl. 13 (figs. 1–2). Type locality: Fl. Nil (Egypte). Holotype: MNHN 0000-4197. Name available from caption on plate, described as *Synodontis membranaceus* in Geoffroy Saint-Hilaire (1827: 297).

*Synodontis Guentheri* Vaillant, 1893a: 16. Type locality: Karthoum. Syntypes: BMNH 1862.6.17.160 (1), BMNH 1862.6.17.161–162 (2), BMNH 1865.11.15.13 (1).

Distribution: Nile, Niger, Senegal, Gambia, and Volta River basins, Chad system (Gosse, 1986b).

**MICROSYNODONTIS** Boulenger, 1903

*Microsynodontis* Boulenger, 1903e: 26. Type species: *Microsynodontis batesii* Boulenger, 1903. Type by monotypy. Gender: Feminine.

***Microsynodontis armatus*** Ng, 2004

*Microsynodontis armatus* Ng, 2004h: 10, fig. 6. Type locality: Gabon: Ogooué-Ivindo province, Ivindo River drainage, Balé Creek, 0°31'19"N, 12°47'58"E. Holotype: CU 89392.

Distribution: Ivindo River basin, Gabon (Ng, 2004h: 15).

***Microsynodontis batesii*** Boulenger, 1903

*Microsynodontis batesii* Boulenger, 1903e: 26, pl. 4. Type locality: Mvile River, southern Cameroon. Syntypes (several; apparently more than 6, from notes found in BMNH register): BMNH 1903.7.28.105–110 (6).

*Microsynodontis Christyi* Boulenger, 1920a: 32, fig. 15. Type locality: Poko, Congo Belge. Syntypes (4): BMNH 1919.9.10.281 (1), MRAC 7168–70 (3).

Distribution: Ntem River basin, southern Cameroon and northern Gabon, and Campo. Ivindo, Lobé, Nyong and Sangha River basins, southern and central Cameroon (Ng, 2004h: 9).

Remarks: Ng (2004h: 2) stated that *Microsynodontis christyi* should be treated as valid, but provided no further comments. The BMNH syntype of *M. christyi* has had an incorrect jar label, with the registration number listed as BMNH 1919.9.10.381.

***Microsynodontis emarginata*** Ng, 2004

*Microsynodontis emarginatus* Ng, 2004h: 15, fig. 8. Type locality: Gabon: Haut-Ogooué Province, Motobo I village, Kiéne creek, 1°32'14.1"S, 13°32'43.5"E. Holotype: CU 89393.

Distribution: Ogooué River basin, Gabon (Ng, 2004h: 19).

***Microsynodontis hirsuta* Ng, 2004**

*Microsynodontis hirsutus* Ng, 2004h: 20, fig. 10. Type locality: Gabon: Woleu-Ntem province, Ngomo creek, where it crosses Oyem-Minvol road, 1°41'30.0"N, 11°39'18.9"E. Holotype: CU 87040.

Distribution: Nye River of Ntem River basin, Gabon (Ng, 2004h: 23).

***Microsynodontis laevigata* Ng, 2004**

*Microsynodontis laevigatus* Ng, 2004h: 24, fig. 11. Type locality: Gabon: Ogooué-Ivindo province, Ivindo River drainage, small creek flowing into Ivindo River, Makokou, 0°35'8"N, 12°51'22"E. Holotype: CU 88265.

Distribution: Ivindo River basin, Gabon (Ng, 2004h: 27).

***Microsynodontis lamberti* Poll & Gosse, 1963**

*Microsynodontis lamberti* Poll & Gosse, 1963: 61, pl. 4 (fig. 1). Type locality: Rivière Lilanda, Yangole, Congo centrale. Holotype: MRAC 137837.

Distribution: Lilanda River, Congo River basin; known only from type locality (Gosse, 1986b).

***Microsynodontis nannoculus* Ng, 2004**

*Microsynodontis nannoculus* Ng, 2004h: 27, fig. 12. Type locality: Equatorial Guinea: Mami River, a tributary of Kyé River. Holotype: MRAC 173145.

Distribution: Kyé River basin, Ntem River drainage, Equatorial Guinea (Ng, 2004h: 31).

***Microsynodontis nasutus* Ng, 2004**

*Microsynodontis nasutus* Ng, 2004h: 32, fig. 14. Type locality: Gabon: Woleu-Ntem province, Okano River on rapids 0.5 km S of village of Na, 0°48'35"N, 11°38'47"E. Holotype: CU 89394.

Distribution: Okano River, Ogooué River basin, Gabon (Ng, 2004h: 35).

***Microsynodontis notata* Ng, 2004**

*Microsynodontis notatus* Ng, 2004h: 35, fig. 15. Type locality: Gabon: Ezanga River, about midway between Lake Ezanga and Ogooué mainstream. Holotype: MRAC 80-51-P-839.

Distribution: Lower Ogooué River, Gabon (Ng, 2004h: 39).

***Microsynodontis polli* Lambert, 1958**

*Microsynodontis polli* Lambert, 1958: 42, fig. 1. Type locality: Rivière Gbin, Guinée Forestière, Guinée Française. Holotype: MRAC 119457.

Distribution: Gbin River, Upper Niger; known only from type locality (Gosse, 1986b).

***Microsynodontis vigilis* Ng, 2004**

*Microsynodontis vigilis* Ng, 2004h: 39, fig. 16. Type locality: Gabon: Moyen-Ogooué province, 12 km N of Lambaréné, branch of Nzorbang creek near village of same name, 0°34'6.2"N, 10°12'46.4"E. Holotype: CU 87039.

Distribution: Lower Ogooué River basin, Gabon (Ng, 2004h: 43).

***MOCHOKIELLA* Howes, 1980**

*Mochokiella* Howes, 1980: 165. Type species: *Mochokiella paynei* Howes, 1980. Type by original designation. Gender: Feminine.

***Mochokiella paynei* Howes, 1980**

*Mochokiella paynei* Howes, 1980: 165, figs. 1, 2b. Type locality: Kassawe Forest Reserve, Sierra Leone. Holotype: BMNH 1979.8.22.1.

Distribution: Kassawe Forest Reserve, Sierra Leone; known only from type locality (Gosse, 1986b).

***MOCHOKUS* Joannis, 1835**

*Mochokus* Joannis, 1835: [Cl. IV, pl. 8]. Type species: *Mochokus niloticus* Joannis, 1835. Type by monotypy. Gender: Masculine.

*Mochocus* Günther, 1864: 217. Type species: *Mochokus niloticus* Joannis, 1835. Gender: Masculine. Unjustified emendation of *Mochokus* Joannis, 1835.

*Rhinoglanis* Günther, 1864: 216. Type species: *Rhinoglanis typus* Günther, 1864. Type by original designation. Gender: Masculine.

***Mochokus brevis* Boulenger, 1906**

*Mochocus brevis* Boulenger, 1906d: 148. Type locality: Fashoda and Lake No, White Nile. Syntypes (43): BMNH

1907.12.2.2529–2542 (14), BMNH 1907.12.2.2544 (1), MNHN 1907-0233 (2).

Distribution: Nile and Chad basins (Gosse, 1986b).

***Mochokus niloticus*** Joannis, 1835

*Mochokus Niloticus* Joannis, 1835: [Cl. IV, pl. 8]. Type locality: Nil. Holotype: Whereabouts unknown; not found in MNHN by Boulenger (1900d: 526) or subsequently.

*Rhinoglanis typus* Günther, 1864: 216, unnumbered figure. Type locality: Gondokoro. Holotype: BMNH 1981.4.13.1.

*Rhinoglanis Vannutellii* Vinciguerra, 1898: 254. Type locality: Iago Rodolfo. Syntypes: MSNG 14419 (4).

Distribution: Nile and Niger basins (Gosse, 1986b).

**SYNODONTIS** Cuvier, 1816

*Synodontis* Cuvier, 1816: 203. Type species: *Silurus clarias* Linnaeus, 1758. Type by subsequent designation by Bleeker, 1862 (in Bleeker, 1862–63): 6. Gender: Feminine.

*Leiosynodontis* Bleeker, 1862 (in Bleeker, 1862–63): 6. Type species: *Synodontis maculosus* Rüppell, 1829. Type by original designation. Gender: Feminine.

*Pseudosynodontis* Bleeker, 1862 (in Bleeker, 1862–63): 6. Type species: *Synodontis serratus* Rüppell, 1829. Type by original designation. Gender: Feminine.

Revision: Vaillant (1895b, 1896b); Poll (1971, with keys to species).

Reviews: Willoughby (1994, Lake Kainji, Nigeria); Bruwer & van der Bank (2003, southern Africa).

Keys: Skelton & White (1990, southern Africa); Bruwer & van der Bank (2003).

Remarks: The name *Synodontes* published in Minding (1832: 116) is considered an incorrect subsequent spelling and not an available name.

***Synodontis acanthomias*** Boulenger, 1899

*Synodontis acanthomias* Boulenger, 1899a: 46, pl. 23. Type locality: Boma et Léopoldville [restricted to Boma by lectotype designation]. Lectotype: MRAC 18, designated by Poll (1971: 282).

*Synodontis pfefferi* Steindachner, 1912: 447. Type locality: Dscha, Nebenfluss des Congo im Bezirke Molundu des südlichen Kamerun. Holotype: NMW 9023. Species illustrated and described in more detail in Steindachner (1913: 43, pl. 8).

Distribution: Congo River basin, except central forest (Gosse, 1986b).

***Synodontis afrofisheri*** Hilgendorf, 1888

*Synodontis Afro-Fischeri* Hilgendorf, 1888: 77. Type locality: Victoria-Nyanza (Ukerewe-See). Holotype: ZMB 12745. Holotype illustrated in Poll (1971: fig. 28) and Seegers (1996: fig. 171).

Distribution: Lakes Victoria, Nabugabo, Kioga, Ihema; Nile, Kagera, Kingani Malagarasi Rivers (Gosse, 1986b); Piti River, Lake Rukwa basin (Seegers, 1996).

***Synodontis alberti*** Schilthuis, 1891

*Synodontis alberti* Schilthuis, 1891: 88. Type locality: Kinshasa, Stanley Pool. Lectotype: BMNH 1899.9.6.9, designated by, and illustrated in, Poll (1971: 252, fig. 114).

Distribution: Congo River basin (Gosse, 1986b).

***Synodontis albolineata*** Pellegrin, 1924

*Synodontis albolineatus* Pellegrin, 1924b: 320, fig. 1. Type locality: Madjingo, rivière Djoua (Gabon). Holotype: MNHN 1924-0147, illustrated in Poll (1971: fig. 68).

Distribution: Ogowe River basin; known only from type locality (Gosse, 1986b).

***Synodontis angelica*** Schilthuis, 1891

*Synodontis angelica* Schilthuis, 1891: 87. Type locality: Léopoldville, Stanley Pool. Holotype: BMNH 1899.9.6.8; holotype illustrated in Poll (1971: fig. 110, top).

*Synodontis tholloni* Boulenger, 1901a: 304. Type locality: bassin de l'Ogooué (?). Holotype: MNHN 1890-0030.

*Synodontis angelicus zonatus* Poll, 1933: 134, fig. 11. Type locality: Lukulu (riv. Lukulu). Holotype: MRAC 37904; holotype illustrated in Poll (1971: fig. 110, bottom). Originally as *Synodontis angelicus* var. *zonatus*.

*Synodontis werneri* Boeseman, 1957: 146, pl. 5. Type locality: Stanley Pool, Belgian Congo. Holotype: RMNH 20913.

Distribution: Congo River basin, except in central forest (Gosse, 1986b).

***Synodontis annectens*** Boulenger, 1911

*Synodontis annectens* Boulenger, 1911d: 56. Type locality: Nianimaru, Gambia; Culufi and Geba Rivers, Portuguese Guinea [restricted to Nianimaru by lectotype designation]. Lectotype: BMNH 1901.12.28.60, designated by Poll (1971: 131).

Distribution: Gambia; Geba basin, Guinea Bissau; and Taja basin, Sierra Leone (Gosse, 1986b).

***Synodontis ansorgii*** Boulenger, 1911

*Synodontis ansorgii* Boulenger, 1911b: 375. Type locality: Geba and Culufi Rivers, Portuguese Guinea [restricted to Geba River, by lectotype designation]. Lectotype: BMNH 1912.4.1.128, designated by, and illustrated in, Poll (1971: 135, fig. 56).

Distribution: Geba River basin, Guinea-Bissau; and Taja River basin, Sierra Leone (Gosse, 1986b).

***Synodontis arnoulti*** Roman, 1966

*Synodontis arnoulti* Roman, 1966: 141, pl. 7 (fig. 14). Type locality: le Kou, affluent de la Volta Noire, à 30 km au Nord de Bobo-Dioulasso. Holotype: MRAC 141742.

Distribution: Volta River basin (Gosse, 1986b).

***Synodontis aterrima*** Poll & Roberts, 1968

*Synodontis aterrimus* Poll & Roberts, 1968: 297, figure on p. 298. Type locality: Bokuma, Bassin du Congo. Holotype: MRAC 101466.

Distribution: Central Congo River basin (Gosse, 1986b).

***Synodontis bastiani*** Daget, 1948

*Synodontis bastiani* Daget, 1948: 35, fig. 10. Type locality: Côte d'Ivoire: Bouaflé. Holotype: MNHN 1949-0055.

*Synodontis dageti* Poll & Roman, 1967: 185, fig. 3. Type locality: [68 km south of Bolo-Dioulasso], Haut Comoé. Holotype: MRAC 141982.

*Synodontis eburneensis* Daget, 1965: 473. Type locality: le Bandama au lieu dit Lamto, à mi-chemin entre Toumodi et Tiassalé (Côte d'Ivoire). Holotype: MNHN 1964-0266; holotype illustrated in Poll (1971: fig. 92).

Distribution: Sassandra, Bandama, Bia, and Comoré basins, Côte d'Ivoire (Gosse, 1986b).

Remarks: Synonymy of these three names first proposed by Paugy & Roberts (1992).

***Synodontis batesii*** Boulenger, 1907

*Synodontis Batesii* Boulenger, 1907b: 50. Type locality: Ja River, South Cameroon. Lectotype: BMNH 1907.5.22.179; designated by, and illustrated in, Poll (1971: 331, fig. 150).

Distribution: Central Congo River basin; Ja River and Nyong River, Cameroon; Muni River, Equatorial Guinea (Gosse, 1986b).

***Synodontis brichardi*** Poll, 1959

*Synodontis brichardi* Poll, 1959: 100, pl. 17 (figs. 2 a–c). Type locality: Léopoldville, début des rapides à Kinsuka. Holotype: MRAC 100494.

Distribution: Lower Congo River rapids (Gosse, 1986b).

***Synodontis budgetti*** Boulenger, 1911

*Synodontis budgetti* Boulenger, 1911a: 403, fig. 305. Type locality: Lokoja, Upper Niger [Nigeria]. Holotype: BMNH 1904.1.20.42.

Distribution: Niger and Oueme Rivers, Nokuoue Lake (Gosse, 1986b).

***Synodontis camelopardalis*** Poll, 1971

*Synodontis camelopardalis* Poll, 1971: 430, fig. 202; pls. 7 (fig. 4), 12 (fig. 14). Type locality: Eala, riv. Ruki. Holotype: MRAC 47654.

Distribution: Central Congo River basin; known only from type locality (Gosse, 1986b).

***Synodontis caudalis*** Boulenger, 1899

*Synodontis caudalis* Boulenger, 1899a: 44, pl. 22 (fig. 1). Type locality: Boma, Matadi, Léopoldville [restricted to Matadi by lectotype designation]. Lectotype: MRAC 57, designated by, and illustrated in, Poll (1971: 274, fig. 124).

Distribution: (Gosse, 1986b).

***Synodontis caudovittata*** Boulenger, 1901



*Synodontis caudovittatus* Boulenger, 1901c: 10. Type locality: Mouth of Lake No, White Nile. Lectotype: BMNH 1907.12.2.2360, designated by, and illustrated in, Poll (1971: 104).

Distribution: Nile River basin (Gosse, 1986b).

***Synodontis centralis*** Poll, 1971

*Synodontis centralis* Poll, 1971: 435, fig. 204; pls. 7(fig. 7), 12 (fig. 12). Type locality: Ndwa village, Kunungu, Zaire. Holotype: MRAC 57198.

Distribution: Central Congo River basin (Gosse, 1986b).

***Synodontis clarias*** (Linnaeus, 1758)

*Silurus clarias* Linnaeus, 1758: 306. Type locality: habitat in Americae, Africae fluviis. Types: See Remarks, below.

*Silurus callarias* Bloch & Schneider, 1801: 379. Type locality: in fluviis Americae australis et Nilo. Syntypes: on *Silurus clarias* Linnaeus, and Bloch (1782: pl. 35, figs. 1–2). An unneeded new name for *Silurus clarias* Linnaeus, 1758.

*Pimelodus synodontis* Geoffroy Saint-Hilaire, 1809: pl. 12 (figs. 5–6). Type locality: Nil. Holotype: MNHN 0000-4194. Name available on caption to plate. Species described as *Synodontis macrodon* by Geoffroy Saint-Hilaire (1827: 295).

*Synodontis macrodon* Geoffroy Saint-Hilaire, 1827: 295. Type locality: Fl. Nil (Egypte). Holotype: MNHN 0000-4194. New name for *Pimelodus synodontis* Geoffroy Saint-Hilaire, 1809.

Distribution: Nile, Niger, Senegal, Gambia, and Volta River basins, Chad system (Gosse, 1986b).

Remarks: Silfvergrip (1996: 8–9) discussed the specimens that formed the type series for *Silurus clarias*. Two of the four type specimens are extant, neither of which is a species of *Synodontis*. Silfvergrip (1996: 9) selected “Hasselquist’s specimen” (NRM 7044), which was subsequently identified as a specimen of *Bagrus docmak* (Silfvergrip, pers. commun., 2003), as the lectotype of *Silurus clarias*. The nomenclatural impact of this selection would result in *Bagrus docmak* (Forsskål, 1775) becoming a junior synonym of *Silurus clarias*, and the genera *Synodontis* Cuvier, 1816, and *Bagrus* Bosc, 1816, becoming synonyms. Because of the nomenclatural impact of Silfvergrip’s lectotype designation on two relatively well known African catfishes, his designation is not followed here but it left for a more thorough review in the future.

***Synodontis comoensis*** Daget & Lévêque, 1981

*Synodontis comoensis* Daget & Lévêque, 1981: 45, figs. 1–5. Type locality: rivière Comoé au niveau du bac de Gansé, Parc National de la Comoé (Côte d’Ivoire), 8°39’N, 3°56’W. Holotype: MNHN 1980-1636.

Distribution: Comoé River, Côte d’Ivoire; known only from type locality (Gosse, 1986b).

***Synodontis congica*** Poll, 1971

*Synodontis congicus* Poll, 1971: 440, fig. 206; pls. 7 (fig. 6), 12 (fig. 16). Type locality: Gangala na Bodio, riv. Dungu. Holotype: MRAC 165695.

Distribution: Congo River basin, except lower Congo, central basin, Luapula-Moero, and high Katanga (Gosse, 1986b).

***Synodontis contracta*** Vinciguerra, 1928

*Synodontis contractus* Vinciguerra, 1928: 24, pl. 1. Type locality: fiume Rubi a Buta [upper Congo basin]. Lectotype: MSNG 26493, designated by Poll (1971: 383).

*Synodontis davidi* Axelrod, 1970: 33, figs. Type locality: Stanley Pool near Kinshasha, Congo. Type(s): Whereabouts unknown.

Distribution: Congo River basin (Gosse, 1986b).

***Synodontis courteti*** Pellegrin, 1906

*Synodontis Courteti* Pellegrin, 1906b: 473. Type locality: Fort-Archambault (Chari) [Soudan]. Holotype: MNHN 1904-0083; illustrated in Poll (1971: 129, fig. 54).

*Synodontis thomasi* Chabanaud, 1934: 219. Type locality: Afrique équatoriale française. Type(s) (510 mm): Whereabouts unknown.

Distribution: Chad and Niger basins (Gosse, 1986b).

***Synodontis cuangoana*** Poll, 1971

*Synodontis cuangoanus* Poll, 1971: 446, fig. 208; pl. 7 (fig. 10), pl. 12 (fig. 17). Type locality: Cuango, Cafunfo (8°47’S, 18°01’E). Holotype: MRAC 172253.

Distribution: Congo River basin, south of Kasai, Zaire and Angola (Gosse, 1986b).

***Synodontis decora*** Boulenger, 1899

*Synodontis decorus* Boulenger, 1899a: 49, pl. 25. Type locality: Léopoldville et Nouvelle-Anvers; [restricted to Nouvelle-Anvers by lectotype designation]. Lectotype: MRAC 154, designated by Poll (1971: 291).

*Synodontis vittatus* Boulenger, 1920a: 31, pl. 25. Type locality: Stanleyville. Lectotype: MRAC 7119, designated by Poll (1971: 295).

Distribution: Congo River basin, except Luapula River system (Gosse, 1986b).

***Synodontis dekimpei*** Paugy, 1987

*Synodontis dekimpei* Paugy, 1987: 357, fig. 1. Type locality: rivière Konkouré à Soukya (aval du pont routier Kindia-Telimélé en amont de Tondo) (Guinée). Holotype: MRAC 81-20-P-11.

Distribution: Konkouré River, Guinea (Paugy, 1987).

***Synodontis depauwi*** Boulenger, 1899

*Synodontis depauwi* Boulenger, 1899a: 45, pl. 22 (fig. 2). Type locality: Léopoldville. Lectotype: MRAC 111, designated by Poll (1971: 278).

Distribution: Congo River at Stanley Pool (Gosse, 1986b).

***Synodontis dhonti*** Boulenger, 1917

*Synodontis dhonti* Boulenger, 1917b: 367. Type locality: Kilewa Bay [Lake Tanganyika]. Holotype: MRAC 14344; holotype illustrated in Poll (1946: 211, figs. 21–22, and 1971: fig. 168).

*Synodontis irsacae* Matthes, 1959b: 78. Type locality: Kalundu, nord du Lac Tanganyika. Holotype: MRAC 130315.

Distribution: Lake Tanganyika (Gosse, 1986b).

***Synodontis dorsomaculata*** Poll, 1971

*Synodontis dorsomaculatus* Poll, 1971: 449, fig. 210; pl. 7 (fig. 8), pl. 12 (fig. 18). Type locality: Kadia, Kisale. Holotype: MRAC 71395.

Distribution: Upper Lualaba (Katanga), Congo River basin (Gosse, 1986b).

***Synodontis euptera*** Boulenger, 1901

*Synodontis eupterus* Boulenger, 1901c: 11. Type locality: Mouth of Lake No, White Nile. Holotype (147 mm SL): BMNH 1907.12.2.2376; holotype redescribed and illustrated in Boulenger (1907a: 370, pl. 68), with locality as Goz-abu-Gumah, White Nile; holotype also illustrated in Poll (1971: fig. 44).

*Synodontis macrepipterus* Pellegrin, 1922b: 222. Type locality: Fort Crampel (Gribingui). Holotype: MNHN 1922-0031.

Distribution: White Nile, Chad Basin (Gribingui), Niger and Volta Rivers (Gosse, 1986b).

***Synodontis fascipinna*** Nichols & La Monte, 1953

*Synodontis fascipinna* Nichols & La Monte, 1953: 2, fig. 2. Type locality: Birao, eastern French Equatorial Africa. Holotype: AMNH 19841.

Distribution: Headwaters of the Chari River basin; known only from type locality (Gosse, 1986b).

***Synodontis filamentosa*** Boulenger, 1901

*Synodontis filamentosus* Boulenger, 1901c: 10. Type locality: Mouth of Lake No, White Nile. Holotype: BMNH 1907.12.2.2377; holotype illustrated in Boulenger (1907: pl. 69) and Poll (1971: fig. 42).

*Synodontis augierasi* Pellegrin, 1929a: 136, fig. 1. Type locality: [Niger R. at Koulikoro, Mali, w. Africa.] Syntypes: MNHN 1928-0243 (1), MNHN 1928-0244 (1).

Distribution: Nile, Chad, Niger, and Volta basins (Gosse, 1986b).

***Synodontis flavitaeniata*** Boulenger, 1919

*Synodontis flavitaeniatus* Boulenger, 1919: 161. Type locality: Eala [Congo River basin]. Holotype: MRAC 1369; holotype illustrated in Poll (1971: fig. 170).

Distribution: Central Congo River basin (Gosse, 1986b).

***Synodontis frontosa*** Vaillant, 1895

*Synodontis frontosus* Vaillant, 1895a: 48. Type locality: Nil [White Nile, Sudan]. Holotype: MNHN 0000-4208. Illustrated in Vaillant (1895b: pl. 10, fig. 8) and described in more detail in Vaillant (1896b: 146).

*Synodontis Citeronii* Vinciguerra, 1898: 247. Type locality: Lago Rodolfo. Holotype: MSNG 14423 (dry).

Distribution: Nile basin; Lakes Rudolf, Albert, Eduard and Kioga; Chad basin; Uebi Giupa (Uebi Shebeli) (Gosse,

1986b).

***Synodontis fuelleborni*** Hilgendorf & Pappenheim, 1903

*Synodontis fuelleborni* Hilgendorf & Pappenheim, 1903: 265. Type locality: Rukwa-See. Lectotype: ZMB 16309, designated by, and illustrated in, Poll (1971: 320, fig. 146); lectotype also illustrated in Seegers (1996: fig. 177). Distribution: Rukwa Lake and Rufigi basin (Gosse, 1986b).

***Synodontis gambiensis*** Günther, 1864

*Synodontis gambiensis* Günther, 1864: 214. Type locality: Gambia. Holotype: BMNH 2005.9.9.1; holotype illustrated in Poll (1971: fig. 20).

*Synodontis gambiensis latifrons* Blache, 1964: 201, fig. 112. Type locality: Lake Tchad basin. Syntypes: Possibly MNHN 1959-0495 (2), MNHN 1959-0500 (5), MNHN 1959-0524 (8).

Distribution: Niger, Chad, Gambia, Geba, Taja, Waange, Volta, and Oueme basins (Gosse, 1986b).

Remarks: Considered to be a synonym of *Synodontis schall* by Lévêque *et al.* (1989: 120) and Paugy (in Lévêque *et al.*, 1992: 561). Register number for holotype of *Synodontis gambiensis* Günther, given in Poll (1971) and Eschmeyer *et al.* (1998) as BMNH 1863.16.4.40, is incorrect; it not a possible register number in the BMNH system.

***Synodontis geledensis*** Günther, 1896

*Synodontis geledensis* Günther, 1896b: 220, fig. 2. Type locality: Geledi on the Shebeli. Holotype: BMNH 1895.12.31.69.

Distribution: Uebi Shebeli, Somalia; Lorian Swamps and Uasso Nyiro (Uebi Giuba basin), Kenya (Gosse, 1986b).

***Synodontis gobroni*** Daget, 1954

*Synodontis gobroni* Daget, 1954: 301, fig. 113. Type locality: Mopti, Markala. Syntypes (4): MNHN 1954-0005 (1), MNHN1960-0471 (1).

Distribution: Niger River basin (Gosse, 1986b).

Remarks: Treated in Willoughby (1994: 28) as a synonym of *Synodontis guttatus* Günther, 1865.

***Synodontis granulosa*** Boulenger, 1900

*Synodontis granulosa* Boulenger, 1900c: 480. Type locality: North end of Lake Tanganyika. Lectotype: BMNH 1906.9.6.40, designated by, and illustrated in, Poll (1971: 303, fig. 138).

Distribution: Lake Tanganyika (Gosse, 1986b).

***Synodontis greshoffi*** Schilthuis, 1891

*Synodontis greshoffi* Schilthuis, 1891: 87. Type locality: Kinshasa, Stanley Pool. Holotype: BMNH 1899.9.6.7; holotype illustrated in Poll (1971: fig. 112).

*Synodontis holopercnus* Boulenger, 1920a: 28. Type locality: Bosabangi, Avakubi, & Poko, Congo Belge. Syntypes (5): BMNH 1919.9.10.264-265 (2), MRAC 7616 (1), MRAC 7775 (1), MRAC 7829 (1).

*Synodontis pantherinus* Boulenger, 1920b: 149. Type locality: Ituri à Avakubi. Holotype: MRAC 14513.

Distribution: Congo River basin, except Luapula River system and lower Congo (Gosse, 1986b).

***Synodontis guttata*** Günther, 1865

*Synodontis guttatus* Günther, 1865a: 452. Type locality: Niger. Holotype: BMNH 1865.4.6.4 (29 inches, dry); holotype illustrated in Boulenger (1911a: fig. 335) and Poll (1971: fig. 24)

Distribution: Lower Niger basin (Gosse, 1986b).

***Synodontis haugi*** Pellegrin, 1906

*Synodontis Haugi* Pellegrin, 1906a: 470. Type locality: Ngomo (Ogôoué). Holotype: MNHN 1906-0209; holotype illustrated in Poll (1971: fig. 52).

Distribution: Ogowe River basin (Gosse, 1986b).

***Synodontis iturii*** Steindachner, 1911

*Synodontis melanostictus iturii* Steindachner, 1911c: 534. Type locality: Ituriflüsse. Holotype: NMW 46049; holotype illustrated in Poll (1971: fig. 160). Originally as *Synodontis melanostictus* var. *iturii*.

*Synodontis ituriensis* Boulenger, 1920a: 28. Type locality: Mawambi sur l'Ituri, Congo Belge. Holotype: MRAC 7576.

Distribution: Ituri River (Gosse, 1986b).

***Synodontis katangae*** Poll, 1971

- Synodontis katangae* Poll, 1971: 454, fig. 212; pls. 7 (fig. 11), 12 (fig. 19). Type locality: Lukonzolwa, lac Moëro.  
Holotype: MRAC 14231.  
Distribution: Congo River basin, high Katanga and Luapula-Moero (Gosse, 1986b).
- Synodontis khartoumensis*** Abu Gideiri, 1967  
*Synodontis khartoumensis* Abu Gideiri, 1967: 133, fig. 1. Type locality: Blue Nile, two miles from place where the Blue Nile joins the White Nile to form the main Nile at Khartoum, Sudan. Holotype: at Sudan Natural History Museum.  
Distribution: Nile basin and Lake Albert (Gosse, 1986b).
- Synodontis koensis*** Pellegrin, 1933  
*Synodontis koensis* Pellegrin, 1933a: 110, fig. on p. 111. Type locality: Man (rivière Ko). Holotype: NMBA 4500; holotype illustrated in Poll (1971: fig. 72).  
Distribution: Nzo River of Sassandra River basin, Côte d'Ivoire (Gosse, 1986b).
- Synodontis laessoei*** Norman, 1923  
*Synodontis laessoei* Norman, 1923c: 696. Type locality: Kokema River, a tributary of the Quanza River, Angola; altitude 4000 ft. Holotype: BMNH 1923.8.15.3; holotype illustrated in Poll (1971: fig. 176).  
Distribution: Kolema River of Quanza River basin, Angola; known only from type locality (Gosse, 1986b).
- Synodontis leopardina*** Pellegrin, 1914  
*Synodontis leopardinus* Pellegrin, 1914: 26. Type locality: Pays des Barotsés (Ht.-Zambèze). Holotype: MNHN 1913-0321; holotype illustrated in Poll (1971: fig. 162).  
*Synodontis jallae* Gilchrist & Thompson, 1917: 561. Type locality: Shesheke, S. Rhodesia. Holotype: SAM 14290 [now at AMG].  
Distribution: Cunene, Upper Zambezi and Okovango river basins (Skelton, 1993).
- Synodontis leoparda*** Pfeffer, 1896  
*Synodontis leopardus* Pfeffer, 1896: 35. Type locality: Rufu bei Korogwe. Holotype: at ZMH (Gosse, 1986: 132).  
Distribution: Coastal rivers of Tanzania and Somalia (Gosse, 1986b).  
Remarks: Considered by De Vos (2001a: 49) as a possible synonym of *Synodontis zanzibaricus* Peters, 1868.
- Synodontis levequei*** Paugy, 1987  
*Synodontis levequei* Paugy, 1987: 361, fig. 3. Type locality: rivière Kakrima (basin du Konkouré), près de Kasséri (Guinée). Holotype: MNHN 1987-0931.  
Distribution: Kakrima River (Paugy, 1987).
- Synodontis longirostris*** Boulenger, 1902  
*Synodontis longirostris* Boulenger, 1902d: 44, pl. 12 (fig. 2). Type locality: Rivière Yembe à Banzyville. Holotype: MRAC 1243.  
*Synodontis ovidius* Lönnberg & Rendahl, 1920: 173, figs 4–5. Type locality: Mukimbungu, Lower Congo. Holotype: NRM 9913.  
Distribution: Congo River basin (Gosse, 1986b).
- Synodontis longispinis*** Pellegrin, 1930  
*Synodontis Batesi longispinis* Pellegrin, 1930: 207. Type locality: la Sangha. Holotype: MNHN 1929-0245; holotype illustrated in Poll (1971: fig. 182). Originally as *Synodontis Batesi* var. *longispinis* nov. var.  
Distribution: Sangha River, Congo River basin (Gosse, 1986b).
- Synodontis lufirae*** Poll, 1971  
*Synodontis lufirae* Poll, 1971: 459, fig. 214; pl. 7 (fig. 12). Type locality: Lac de Koni, Lufira. Holotype: MRAC 168400.  
Distribution: Lufira River, Congo River basin (Gosse, 1986b).
- Synodontis macrophthalmus*** Poll, 1971  
*Synodontis macrophthalmus* Poll, 1971: 207, fig. 98; pls. 3 (fig. 15), 10 (fig. 5). Type locality: Ampem, Volta Lake (Ghana). Holotype: MRAC 168500.  
Distribution: Volta Lake, Ghana (Gosse, 1986b).
- Synodontis macrops*** Greenwood, 1963  
*Synodontis macrops* Greenwood, 1963: 66. Type locality: tributary stream of the Aswa River, Teso district, Uganda.

Holotype: BMNH 1961.12.1.319; holotype illustrated in Poll (1971: fig. 88).

Distribution: Aswa River basin; Nile River system, Uganda (Gosse, 1986b).

***Synodontis macrostigma*** Boulenger, 1911

*Synodontis macrostigma* Boulenger, 1911a: 432, fig. 325. Type locality: Okovango River. Lectotype: BMNH 1910.5.31.37, designated by Poll (1971: 345). A previous lectotype designation may have been made by Gilchrist & Thompson (1913: 462) in the caption to fig. 109, in which the illustrated specimen is labeled as the type, if the illustrated specimen can be identified.

Distribution: Kafue and Mashi Rivers, Zambezi River basin; Okovango and Cunene Rivers (Gosse, 1986b; Skelton, 1993).

***Synodontis macrostoma*** Skelton & White, 1990

*Synodontis macrostoma* Skelton & White, 1990: 281, fig. 3. Type locality: Upper Zambezi River at Katima Mulilo, Caprivi, Namibia. Holotype: AMG P11687.

Distribution: Cunene, Okavango, upper Zambezi and Kafur river basins (Skelton, 1993).

***Synodontis manni*** De Vos, 2001

*Synodontis manni* De Vos, 2001a: 42, figs. 2–3. Type locality: Kenya: Tana River at Baomo area near Baomo village, 1°55'S, 40°08'E. Holotype: NMK FW-600/1.

Distribution: Tana River, Kenya (De Vos, 2001a).

***Synodontis marmorata*** Lönnberg, 1895

*Synodontis marmoratus* Lönnberg, 1895: 186. Type locality: Muddy rivulet at Bonge [Cameroon]. Lectotype: ZMUU, 38.5 mm SL specimen, designated by, and illustrated in, Poll (1971: 93, fig. 34).

*Synodontis marmoratus truncatus* Holly, 1927a: 8. Type locality: Njongfluß, Kamerun. Treated by Gosse (1986) as possible synonym of *S. marmoratus*.

Distribution: Sanaga and Nyong Rivers (Gosse, 1986b).

***Synodontis matthesi*** Poll, 1971

*Synodontis matthesi* Poll, 1971: 462, fig. 216; pls. 7 (fig. 14), 12 (fig. 20). Type locality: Mtera, riv. Ruaha (Tanzania). Holotype: ZMA 109743.

Distribution: Rufigi River basin, Tanzania (Gosse, 1986b).

***Synodontis melanoptera*** Boulenger, 1903

*Synodontis melanopterus* Boulenger, 1903d: 327, pl. 29 (fig. 1). Type locality: Oguta, Niger Delta. Lectotype: BMNH 1902.10.25.3, designated and illustrated in Poll (1971: 114, fig. 46).

Distribution: Porto Novo, Benin; Niger, Ouémé and Ogun River basins (Gosse, 1986b).

***Synodontis multimaculata*** Boulenger, 1902

*Synodontis multimaculatus* Boulenger, 1902d: 43, pl. 12 (fig. 1). Type locality: l'Ubangi à Banzyville. Holotype: MRAC 1314; illustrated in Poll (1971: 306, fig. 140).

Distribution: Ubangi River, Congo River basin (Gosse, 1986b).

***Synodontis multipunctata*** Boulenger, 1898

*Synodontis multipunctatus* Boulenger, 1898d: 497. Type locality: Lake Tanganyika. Holotype: BMNH 1898.9.9.76; illustrated and described in more detail in Boulenger (1898f: 24, pl. 8), with locality as Sumba.

Distribution: Lake Tanganyika (Gosse, 1986b).

***Synodontis nebulosa*** Peters, 1852

*Synodontis nebulosus* Peters, 1852: 682. Type locality: Tette [Zambezi River, Mozambique]. Holotype: ZMB 3120; illustrated in Peters (1868c: 28, pl. 5, fig. 1).

Distribution: Lower and middle Zambezi River basin (Skelton, 1993).

***Synodontis nigrita*** Valenciennes, 1840

*Synodontis nigrita* Valenciennes, in Cuvier & Valenciennes, 1840b: 265 (197 in Strasbourg deluxe edition), pl. 441. Type locality: Sénégal. Holotype: MNHN 0000-3051; illustrated in Poll (1971: 59, fig. 14).

*Synodontis ornatus* Pappenheim, in Pappenheim & Boulenger, 1914: 251, pl. 5 (fig. 2). Type locality: Albert See. Syntypes: ZMB 19097 (8).

Distribution: Nile, Chad, Niger, Senegal, Gambia, Casamance, Geba, Kolente and Volta River basins; coastal rivers from Ghana to Nigeria (Gosse, 1986b).

***Synodontis nigriventris*** David, 1936

*Synodontis nigriventris* David, 1936b: 417. Type locality: Mongende; Ikengo; Basongo; Koteli; Buta; Budjala; Léopoldville; Flandria [restricted to Buta by lectotype designation]. Lectotype: MRAC 30312, designated by, and illustrated in, Poll (1971: 397, fig. 186).

Distribution: Central Congo River basin (Gosse, 1986b).

***Synodontis nigromaculata*** Boulenger, 1905

*Synodontis nigromaculatus* Boulenger, 1905b: 645. Type locality: Lake Bangwelo. Holotype: BMNH 1905.11.10.10; holotype illustrated in Poll (1971: fig. 148).

*Synodontis melanostictus* Boulenger, 1906f: 553, pl. 34. Type locality: Lofu, Lake Tanganyika. Holotype: BMNH 1906.9.8.72.

*Synodontis colyeri* Boulenger, 1923: 438. Type locality: Mansa River, N. Rhodesia. Holotype: SAM 14529 [now at AMG].

Distribution: Okavango and upper Zambezi River basins; Upper Congo River basin, Zambia; Lake Tanganyika and Kasai River (Skelton, 1993).

***Synodontis njassae*** Keilhack, 1908

*Synodontis njassae* Keilhack, 1908: 168. Type locality: Njassa-See. Lectotype: ZMB 18191, designated by, and illustrated in, Poll (1971: 337, fig. 154).

Distribution: Lake Malawi (Gosse, 1986b).

***Synodontis notata*** Vaillant, 1893

*Synodontis Maculatus* Vaillant, 1892b: 2. Type locality: Riv. Oubangui à Bangui. Holotype: apparently MNHN 1892-0080. *Nomen oblitum*, see Remarks.

*Synodontis notatus* Vaillant, 1893a: 17. Type locality: Riv. Oubangui à Bangui. Holotype: apparently MNHN 1892-0080. Proposed as a replacement for *Synodontis maculatus*, Vaillant, 1892, considered by Vaillant to be effectively preoccupied by *Synodontis maculosus* Rüppell, 1829. Poll (1971: fig. 116) illustrated MNHN 1886-0436 and referred to it as the lectotype. *Nomen protectum*.

*Synodontis notatus binotata* Pellegrin, 1926: 205. Type locality: Bolobo, Congo belge. Syntypes (2): MRAC 49686, MNHN 1926-0195. Originally as *Synodontis notatus* var. *binotata*.

*Synodontis notatus ocellatus* Poll, 1938: 404, fig. 9. Type locality: environs de Maka, riv. Londo [Katanga, bassin du Congo]. Holotype: MRAC 49686. Originally as *Synodontis notatus* var. *ocellatus*.

Distribution: Congo River basin (Gosse, 1986b).

Remarks: *Synodontis notata* Vaillant, 1893, has been in wide use since its proposal (see Gosse, 1986b, for list of publications) and considered here to be a *nomen protectum*. The holotype for *Synodontis maculatus* Vaillant, 1892, and *S. notatus* Vaillant, 1893, is listed by Bertin & Estève (1950) and other sources as MNHN 1886-0436, but Gosse (1986: 135) indicated that the holotype was actually MNHN 1892-0080, which was collected by Dybowski from the Oubangui, as stated in Vaillant (1892).

***Synodontis nummifer*** Boulenger, 1899

*Synodontis nummifer* Boulenger, 1899a: 47, pl. 24. Type locality: Léopoldville. Holotype: MRAC 107.

Distribution: Congo River basin (Gosse, 1986b).

***Synodontis obesus*** Boulenger, 1898

*Synodontis obesus* Boulenger, 1898a: 415. Type locality: Gaboon and Opobo River, Old Calabar [restricted to Opobo River by lectotype designation]. Lectotype: BMNH 1896.5.5.67, designated by and illustrated in Poll (1971: 96, fig. 36).

*Synodontis loppei* Pellegrin, 1927: 365. Type locality: Edea [Cameroon]. Syntypes: MHNLR P.197 (1), MNHN 1927-0278 (1). Illustrated in Pellegrin (1928a: 5, unnumbered figure).

Distribution: Coastal rivers from Ghana to Gabon; basins of the Comoë, Pra, Volta, Momo, Cross, Wouri, Sanaga Nyong, Kribi and Lobé Rivers (Gosse, 1986b).

***Synodontis ocellifer*** Boulenger, 1900

*Synodontis ocellifer* Boulenger, 1900e: 514. Type locality: Kunchow Creek [River Gambia]. Lectotype: BMNH 1901.7.17.7; designated by, and illustrated in, Poll (1971: 101, fig. 38).

Distribution: Senegal, Gambia, Volta, Chad, and Niger basins (Gosse, 1986b).

***Synodontis omias*** Günther, 1864

*Synodontis omias* Günther, 1864: 213. Type locality: West Africa [Upper Niger River]. Holotype: BMNH 1863.12.9.3 (skeleton).

Distribution: Niger River basin (Gosse, 1986b).

***Synodontis ornatipinnis*** Boulenger, 1899

*Synodontis ornatipinnis* Boulenger, 1899b: 111, pl. 43 (fig. 2). Type locality: Coquilhatville et Bikoro (Lac Tumba) [restricted to Coquilhatville by lectotype designation]. Lectotype: MRAC 968, designated by Poll (1971: 299).

Distribution: Congo River system (Gosse, 1986b).

***Synodontis ornatissima*** Gosse, 1982

*Synodontis ornatus* Boulenger, 1920a: 29, fig. 14. Type locality: Poko, Congo Belge. Holotype: MRAC 7144. Preoccupied by *Synodontis ornatus* Pappenheim, 1914; replaced by *Synodontis ornatissimus* Gosse, 1982.

*Synodontis ornatissimus* Gosse, 1982: 48. Type locality: Poko, Congo Belge. Holotype: MRAC 7144. Replacement for *Synodontis ornatus* Boulenger, 1920; preoccupied by *Synodontis ornatus* Pappenheim, 1914.

Distribution: Ubangi River and its tributaries, Congo River basin (Gosse, 1986b).

***Synodontis pardalis*** Boulenger, 1908

*Synodontis pardalis* Boulenger, 1908a: 30. Type locality: a waterfall of the Libi River, near the Ja River (Congo System), South Cameroon. Lectotype: BMNH 1909.4.29.91, designated by, and illustrated in, Poll (1971: 334, fig. 152).

Distribution: Ja River, Congo River basin, Cameroon (Gosse, 1986b).

***Synodontis petricola*** Matthes, 1959

*Synodontis petricola* Matthes, 1959b: 78. Type locality: lac Tanganyika. Holotype: MRAC 130357; holotype illustrated in Poll (1971: fig. 192).

Distribution: Lake Tanganyika (Gosse, 1986b).

***Synodontis pleurops*** Boulenger, 1897

*Synodontis pleurops* Boulenger, 1897b: 423. Type locality: Stanley Falls, upper Congo. Holotype: BMNH 1897.9.30.13; holotype illustrated in Poll (1971: fig. 120).

Distribution: Congo River basin, except the Luapula system and the lower Congo River (Gosse, 1986b).

***Synodontis polli*** Gosse, 1982

*Synodontis eurystomus* Matthes, 1959b: 77. Type locality: lac Tanganyika, confiné au littoral rocheux du lac. Holotype: MRAC 130440. Holotype illustrated in Matthes (1962: pl. 1, fig. c) and Poll (1971: fig. 190). Preoccupied by *Synodontis eurystomus* Pfeffer, 1889; replaced by *Synodontis polli* Gosse, 1982.

*Synodontis polli* Gosse, 1982: 48. Type locality: Luhanga, Lake Tanganyika. Holotype: MRAC 130440. Replacement for *Synodontis eurystomus* Matthes, 1959.

Distribution: Lake Tanganyika (Gosse, 1986b).

***Synodontis polyodon*** Vaillant, 1895

*Synodontis polyodon* Vaillant, 1895a: 48. Type locality: Ogôoué. Holotype: MNHN 1886-0433; holotype illustrated in Vaillant (1895b: pl. 9, fig. 1), and described in more detail in Vaillant (1896b: 127).

Distribution: Ogowe River basin (Gosse, 1986b).

***Synodontis polystigma*** Boulenger, 1915

*Synodontis polystigma* Boulenger, 1915: 170. Type locality: Rivière Luapula, à Kasenga; lac Moëro, à Lukonzolwa [restricted to lac Moëro by lectotype designation]. Lectotype: MRAC 14174, designated by, and illustrated in, Poll (1971: 356, fig. 164).

Distribution: Luapula-Moëro Rivers, Congo River basin (Gosse, 1986b).

***Synodontis pulcher*** Poll, 1971

*Synodontis pulcher* Poll, 1971: 465, fig. 218; pls. 7 (fig. 13), 12 (fig. 21). Type locality: Stanley Pool. Holotype: MRAC 168399.

Distribution: Stanley Pool, Congo River basin (Gosse, 1986b).

***Synodontis punctifer*** Daget, 1965

*Synodontis punctifer* Daget, 1965: 472. Type locality: le Nzo à Guiglo, Côte d'Ivoire. Holotype: MNHN 1964-0265; holotype illustrated in Poll (1971: fig. 90).

Distribution: Nzo River, Sassandra River basin (Gosse, 1986b).

***Synodontis punctulata*** Günther, 1889

*Synodontis punctulatus* Günther, 1889: 71, pl. 8 (fig. a). Type locality: River Ruva, in the Arusha country. Lectotype: BMNH 1887.11.3.47; designated by, and illustrated in, Poll (1971: 233, fig. 108).

Distribution: Ruwa River, Tanzania; Uebi Shebeli, Somalia (Gosse, 1986b).

Remarks: Considered to be a possible synonym of *Synodontis zanzibaricus* Peters, 1868 (De Vos 2001a: 49).

***Synodontis rebeli*** Holly, 1926

*Synodontis rebeli* Holly, 1926: 157. Illustrated in Holly (1927b: 215, figs. 5–6). Type locality: Bamfluß, Flußgebiet des Sanaga in Kamerun. Lectotype: NMW 7796: 1; designated by, and illustrated in, Poll (1971: 155, fig. 70).

Distribution: Sanaga River basin, Cameroon (Gosse, 1986b).

***Synodontis resupinata*** Boulenger, 1904

*Synodontis resupinatus* Boulenger, 1904c: 199, pl. 8. Type locality: Lokoja, Northern Nigeria. Holotype: BMNH 1904.1.20.52.

Distribution: Niger River basin (Gosse, 1986b).

***Synodontis ricardoae*** Seegers, 1996

*Synodontis ricardoae* Seegers, 1996: 245, figs. 178–180. Type locality: Kazizi, some kilometers northeast of Muze, at the northwestern shore of Lake Rukwa, Rukwa region, western Tanzania (07°37'N, 31°36'E). Holotype: MRAC 94-34-P-1093.

Distribution: Lake Rukwa basin (Seegers, 1996).

***Synodontis robbianus*** Smith, 1875

*Synodontis robbianus* Smith, 1875: 92, fig. 1. Type locality: Ikorofiong, Old Calabar River. Syntype: BMNH 1874.5.23.3 (1); illustrated in Poll (1971: fig. 26) as holotype.

Distribution: Lower Niger River and Cross River (Gosse, 1986b).

***Synodontis robertsi*** Poll, 1974

*Synodontis robertsi* Poll, 1974: 442, fig. 1. Type locality: Riv. Lukenie à Elombe, ferry landing, lat. 2°49'S, long. 18°14'E. Holotype: MRAC 189535.

Distribution: Lukenie River, Congo River basin; known only from type locality (Gosse, 1986b).

***Synodontis ruandae*** Matthes, 1959

*Synodontis ruandae* Matthes, 1959a: 62. Type locality: Riv. Kagera à Rusumu, Ruanda. Holotype: MRAC 130345; holotype illustrated in Poll (1971: 178, fig. 82).

Distribution: Kagera River basin, Nile-Victoria system (Gosse, 1986b).

***Synodontis rufigiensis*** Bailey, 1968

*Synodontis rufigiensis* Bailey, 1968: 346, fig. 1. Type locality: Lake Lugongwe, at Utete on the lower Rufiji, Tanzania. Holotype: BMNH 1968.6.12.1; holotype illustrated in Poll (1971: 428, fig. 200).

Distribution: Rufiji River basin, Tanzania (Gosse, 1986b).

***Synodontis rukwaensis*** Hilgendorf & Pappenheim, 1903

*Synodontis zambezensis rukwaensis* Hilgendorf & Pappenheim, 1903: 267. Type locality: Rukwa Sees. Lectotype: ZMB 16311; designated by, and illustrated in, Seegers (1996: 249, fig. 182).

*Synodontis maculipinna* Norman, 1922: 687. Type locality: Mpanganye, Rufiji River, Tanganyika Territory. Lectotype: BMNH 1922.4.18.27, designated by, and illustrated in, Poll (1971: 376, fig. 174); lectotype also illustrated in Seegers (1996: fig. 184).

*Synodontis wamiensis* Lohberger, 1930: 91, fig. 1. Type locality: aus dem Wami-flusse und Nebenflüssen [30 km. north of Bahamojo, Tanzania]. Holotype: NMW 18866; illustrated in Seegers (1996: fig. 185).

Distribution: Lake Rukwa basin, Ugalla basin Malagarasi system, and coastal drainages of Tangazni south of the Pangani River (Seegers, 1996).

Remarks: Synonymy based on Seegers (1996).

***Synodontis schall*** (Bloch & Schneider, 1801)

*Silurus schall* Bloch & Schneider, 1801: 385. Type locality: Habitat Nilum. Holotype: ZMB 3110 (lost; Paepke, 1999: 99).

*Pimelodus clarias* Geoffroy Saint-Hilaire, 1809: pl. 13 (figs. 3–4). Type locality: Nil, Egypt. Holotype: Possibly



MNHN 0000-4203 (1) or MNHN 0000-4205 (1 of 2). Name available from plate, with illustrated specimen the holotype, if identifiable. Described as *Synodontis clarias* in Geoffroy Saint-Hilaire (1827: 299). Independence of this name and *Silurus clarias* Linnaeus not clearly established, but treated as independent in literature (e. g., Poll, 1971).

*Synodontis maculosus* Rüppell, 1829: 10, pl. 3 (fig. 1). Type locality: die Märkte von Cairo. Lectotype: SMF 653, designated by Poll (1971: 50).

*Synodontis arabi* Valenciennes, in Cuvier & Valenciennes, 1840b: 261 (194 in Strasbourg deluxe edition). Type locality: Nil, Egypte. Syntypes: MNHN 0000-4203 (1), MNHN 0000-4205 (2). Unneeded new name for *Silurus schall* Bloch & Schneider, 1801.

*Synodontis smithii* Günther, 1896b: 222, pl. 9. Type locality: [Not stated; introduction indicates specimen obtained “en route to Lake Rudolph”; BMNH register lists Lake Stephanie [sic, Lac Stefanie, Kenya] and Poll (1971) listed Lake Rudolph, but these are in contradiction to statements in introduction]. Holotype: BMNH 1895.12.31.68.

Distribution: Nile basin, Abaia, Stephanie and Rudolf Lakes, Chad, Niger, Senegal, Uebi Guiba (Uebi Shebeli) basins and possibly Tana and Volta rivers (Gosse, 1986b).

***Synodontis schoutedeni* David, 1936**

*Synodontis schoutedeni* David, 1936b: 416. Type locality: Kungungu; Koteli; Basongo; Mongende; Budjala; Bumba; Flandria [restricted to Kungungu by lectotype designation]. Lectotype: MRAC 38093; designated by, and illustrated in, Poll (1971: 393, fig. 184).

Distribution: Central Congo River basin (Gosse, 1986b).

***Synodontis serpentis* Whitehead, 1962**

*Synodontis serpentis* Whitehead, 1962b: 100, figs. 1a, 1b. Type locality: Athi River at Jilore, thirty miles from river mouth, Kenya. Holotype: BMNH 1962.1.19.1.

Distribution: Athi and Tana River basins, Kenya (Gosse, 1986b).

***Synodontis serrata* Rüppell, 1829**

*Synodontis serratus* Rüppell, 1829: 8, pl. 2 (fig. 1). Type locality: Cairo. Holotype: SMF 2649 (dry).

*Synodontis humeratus* Valenciennes, in Cuvier & Valenciennes, 1840b: 264 (196 in Strasbourg deluxe edition). Type locality: Nil. No types known; based on a drawing.

Distribution: Nile basin (Gosse, 1986b).

***Synodontis smiti* Boulenger, 1902**

*Synodontis smiti* Boulenger, 1902d: 45, pl. 12 (fig. 3). Type locality: l'Ubangi à Banzyville. Lectotype: MRAC 1266, designated in Poll (1971: 316).

*Synodontis tenuis* Nichols & Griscom, 1917: 717, fig. 25. Type locality: Stanleyville, Congo. Holotype: AMNH 6535.

Distribution: Ubangi and Lualaba Rivers, Congo River basin (Gosse, 1986b).

***Synodontis soloni* Boulenger, 1899**

*Synodontis soloni* Boulenger, 1899b: 110, pl. 43 (fig. 1). Type locality: Congo. Lectotype: MRAC 155385, designated by Poll (1971: 296).

Distribution: Stanley Pool rapids and Libenge, Congo River basin (Gosse, 1986b).

***Synodontis sorex* Günther, 1864**

*Synodontis sorex* Günther, 1864: 211. Type locality: Chartoum, upper Nile. Lectotype: BMNH 1862.6.17.69, designated by Poll (1971: 65).

Distribution: Nile, Chad, Niger and Volta basins (Gosse, 1986b).

Remarks: Lectotype register number incorrectly listed as BMNH 1862.1.17.69 in Poll (1971) and Eschmeyer *et al.* (1998).

***Synodontis steindachneri* Boulenger, 1913**

*Synodontis steindachneri* Boulenger, 1913: 69. Type locality: Nyong River, S. Cameroon. Holotype: BMNH 1913.10.29.16; holotype illustrated in Boulenger (1916: fig. 188) and Poll (1971: fig. 162).

Distribution: Nyong River, Cameroon (Gosse, 1986b).

***Synodontis tanganaicae* Borodin, 1936**

- Synodontis serratus tanganyicae* Borodin, 1936: 9. Type locality: Kasanga, Lake Tanganyika. Lectotype: MCZ 32538; designated by De Vos & Thys van den Audenaerde (1998: 148).
- Synodontis lacustricolus* Poll, 1953: 157, fig. 18a; pl. 6 (fig. 3). Type locality: Stat. 123, au large de Karéma [Lac Tanganyika]. Holotype: IRSNB 197.
- Distribution: Lake Tanganyika (De Vos & Thys van den Audenaerde, 1998: 153).
- Remarks: Synonymy first proposed in De Vos & Thys van den Audenaerde (1998: 153), with valid name as *Synodontis tanganyicae*.
- Synodontis tessmanni*** Pappenheim, 1911
- Synodontis tessmanni* Pappenheim, 1911: 523, fig. 5. Type locality: Akonangi, im Kje [Ntem basin]. Holotype (12.8 cm SL): ZMB 18413; illustrated in Poll (1971: fig. 62), as lectotype, but a holotype was clearly stated (as “Type der Art”) in description.
- Synodontis hollyi ntemensis* Pellegrin, 1929b: 367. Type locality: Nyabessan (Ntem), Cameroun. Holotype: MNHN 1929-0051. Originally as *Synodontis Hollyi* var. *ntemensis* nov. var.
- Distribution: Ntem River, Cameroon (Gosse, 1986b).
- Synodontis thamalakanensis*** Fowler, 1935
- Synodontis thamalakanensis* Fowler, 1935a: 274, fig. 12. Type locality: Thamalakane River, Maun, Bechuanaland Protectorate. Holotype: ANSP 53245.
- Distribution: Okavango and Upper Zambezi River basins (Skelton, 1993).
- Synodontis thysi*** Poll, 1971
- Synodontis thysi* Poll, 1971: 210, fig. 100; pls. 3 (fig. 16), 10 (fig. 6). Type locality: Mange-Ferry, riv. Little Scarcies ou Kaba (Sierra Leone). Holotype: MRAC 168314.
- Distribution: Little Scarcies River, Sierra Leone; known only from type locality (Gosse, 1986b).
- Synodontis tourei*** Daget, 1962
- Synodontis tourei* Daget, 1962: 113, fig. 38; pl. 11 (figs. 24–25). Type locality: Bafing à Ballay, Guinée. Lectotype: MNHN 1959-0109; designated by Poll (1971: 185).
- Distribution: Bafing River, Senegal River basin, Guinea (Gosse, 1986b).
- Synodontis unicolor*** Boulenger, 1915
- Synodontis unicolor* Boulenger, 1915: 170. Type locality: Lac Moero et rivière Luapula, à Kasenga [restricted to Kasenga by lectotype designation]. Lectotype: MRAC 14223; designated by, and illustrated in, Poll (1971: 359, fig. 166).
- Distribution: Luapula-Moero system, Congo River basin (Gosse, 1986b).
- Synodontis vanderwaali*** Skelton & White, 1990
- Synodontis vanderwaali* Skelton & White, 1990: 284, fig. 5. Type locality: Okavango River, Namibia. Holotype: AMG P5796.6.
- Distribution: Cunene, Okavango and upper Zambezi basins (Skelton, 1993).
- Synodontis velifer*** Norman, 1935
- Synodontis velifer* Norman, 1935a: 219, fig. 3. Type locality: Ejura, Ashanti Forest, Gold Coast. Holotype: BMNH 1934.8.31.146; holotype illustrated in Poll (1971: 164, fig. 74).
- Distribution: Sassandra, Bandama and Volta River basins (Gosse, 1986b).
- Synodontis vermiculata*** Daget, 1954
- Synodontis vermiculatus* Daget, 1954: 292, fig. 109. Type locality: Mopti, riv. Niger (Mali). Neotype: MNHN 1961-1129; designated by Poll (1971: 170).
- Distribution: Niger River basin (Gosse, 1986b).
- Synodontis victoriae*** Boulenger, 1906
- Synodontis victoriae* Boulenger, 1906b: 438. Type locality: Entebbe and Buganga, Lake Victoria [restricted to Buganga by lectotype designation]. Lectotype: BMNH 1906.5.30.190; designated by, and illustrated in, Poll (1971: 120, fig. 50).
- Distribution: Victoria Lake basin, Kioga Lake and Victoria Nile, Malagarasi River (Gosse, 1986b).
- Synodontis violacea*** Pellegrin, 1919
- Synodontis violaceus* Pellegrin, 1919b: 212. Type locality: Gribingui. Lectotype: MNHN 1919-0246, designated by,

and illustrated in, Poll (1971: 149, fig. 66).

Distribution: Chad, Niger and Volta basins (Gosse, 1986b).

***Synodontis voltae* Roman, 1975**

*Synodontis voltae* Roman, 1975: 45, unnumbered figure. Type locality: dans la Bougouriba, affluent de la Volta Noire. Holotype: MHV V5641.

Distribution: Upper Volta River basin; known only from type locality (Gosse, 1986b).

***Synodontis waterloti* Daget, 1962**

*Synodontis waterloti* Daget, 1962: 111, fig. 37; pl. 10 (fig. 23). Type locality: Friguiagbé, près Kindia, Guinée. Holotype: MNHN 1935-0223.

Distribution: Waanje and Taja Rivers, Sierra Leone; St. John River basin, Liberia; Cess River basin, Côte d'Ivoire; Pra River basin, Ghana (Gosse, 1986b).

***Synodontis woosnami* Boulenger, 1911**

*Synodontis woosnami* Boulenger, 1911a: 424, fig. 319. Type locality: Okovango [Botswana]. Holotype: BMNH 1910.5.31.36.

Distribution: Cunene, Okavango and upper Zambezi River basins (Skelton, 1993).

***Synodontis xiphias* Günther, 1864**

*Synodontis xiphias* Günther, 1864: 215. Type locality: West Africa. Holotype: BMNH 1863.11.9.1 (dry); holotype illustrated in Boulenger (1911a: fig. 339) and Poll (1971: fig. 22).

*Synodontis labeo* Günther, 1865a: 453. Type locality: West Africa, probably Niger R. Holotype: BMNH 1865.5.9.8 (stuffed); illustrated in Boulenger (1911a: fig. 337).

Distribution: Niger River basin (Gosse, 1986b).

Remarks: *Synodontis labeo* Günther, 1865, is treated by Willoughby (1994: 28) as probably valid.

***Synodontis zambezensis* Peters, 1852**

*Synodontis zambezensis* Peters, 1852: 682. Type locality: riv. Zambèze, Mozambique. Lectotype: ZMB 3119; designated by, and illustrated in, Poll (1971: 225, fig. 104). Illustrated in Peters (1868c: 31, pl. 5, figs. 2–3).

*Synodontis zambesensis* Günther, 1864: 214. Type locality: Zambezi. Lectotype: ZMB 3119, designated by, and illustrated in, Poll (1971: 225, fig. 104). Unjustified emendation of *Synodontis zambezensis* Peters, 1852.

Distribution: Pongolo, Lompopo, Pungwe and Zambezi River basins, Rukwa Lake, Luangwe River of Moero basin. (Gosse, 1986b).

***Synodontis zanzibarica* Peters, 1868**

*Synodontis zanzibaricus* Peters, 1868b: 600. Type locality: Wahrscheinlich von Mombas [Kenya]. Lectotype: ZMB 6846; designated by, and illustrated in, Poll (1971: 229, fig. 106).

Distribution: Mombassa, Kenya (Gosse, 1986b).

***Species inquirendae, Synodontis***

*Synodontis vaillanti* Boulenger, 1897b: 424. Type locality: Congo français (Bangui). Holotype: MNHN 1892-0275. Treated by Gosse (1986:148) as doubtfully valid.

*Synodontis Hollyi* Pellegrin, 1929b: 365. Type locality: Ndjibula ..., Nanga Eboko (Sanaga), Cameroun. Syntypes: MNHN 1929-0047 (1), MNHN 1929-0048 (1), MNHN 1929-0049 (1), MNHN 1929-0050 (1). Type series apparently mixed; with specimens representing both *Synodontis obesus* Boulenger, 1898, and *Synodontis rebeli* Holly, 1926.

*Synodontis galinae* Kochetov, 1998: 4, 2 figs. Type locality: White Nile. Type(s): Whereabouts unknown.

**NEMATOGENYIIDAE Bleeker, 1862**

Nematogenyini Bleeker, 1862 (in Bleeker, 1862–63): 16. Type genus: *Nematogenys* Girard, 1855.

Taxonomic summary: de Pinna (2003).

1 genus, 2 species; including 1 named fossil species.

**NEMATOGENYS** Girard, 1855

*Nematogenys* Girard, 1855: 198. Type species: *Trichomycterus inermis* Guichenot, 1848. Type by monotypy. Gender: Feminine.

Phylogeny: Arratia & Chang (1975).

† ***Nematogenys cuivi*** Azpelicueta & Rubilar, 1998

† *Nematogenys cuivi* Azpelicueta & Rubilar, 1998: 476, figs. 2, 3. Type locality: Cura-Mallín Formation, Miocene, Northern slope of the Cerro Rucañanco (38°41'S, 71°11'W), about 1,250 m a.s.l., Lonquimay, Chile. Holotype: CPUC Lonq (R)/7 (neurocranium with Weberian complex, branchial and hyoid arches, pectoral girdle and spine, some vertebrae, and ribs).

Distribution: Cura-Mallín Formation, south-central Chile (Azpelicueta & Rubilar, 1998).

***Nematogenys inermis*** (Guichenot, 1848)

*Trichomycterus inermis* Guichenot, 1848: 312, pl. 9 (fig. 2). Type locality: Chile. No types known.

*Nematogenys nigricans* Philippi, 1866: 716. Type locality: Chile. No types known.

*Nematogenys pallidus* Philippi, 1866: 716. Type locality: Chile. No types known.

Distribution: Isolated localities in Concepción, Rancagua and Angol, Chile. Formerly widespread throughout much of Central Chile (de Pinna, 2003).

**PANGASIIDAE** Bleeker, 1858

Pangasini Bleeker, 1858b: 49, 63. Type genus: *Pangasius* Valenciennes, 1840.

Pangasianodonidi Fowler, 1958: 14. Type genus: *Pangasianodon* Chevey, 1931.

Revision: Roberts & Vidthayanon (1991).

Review: Vidthayanon & Roongthongbaisuree (1993, Thailand).

Identification guide: Jayaram (1977d, South Asia).

Phylogeny: Pouyaud *et al.* (2000); Pouyaud *et al.* (2004).

Remarks: Several phylogenetic studies indicate that the species included in this family may constitute a natural group, but the group is likely nested within the Schilbidae. As such, the Pangasiidae may not deserve continued recognition as a family but is so recognized herein due to current usage. See Fumihito (1989) for morphological comparisons among some species.

5 genera, 30 species; including 1 named fossil genus and 2 fossil species.

† ***CETOPANGASIUS*** Roberts & Jumnonghai, 1999

† *Cetopangasius* Roberts & Jumnonghai, 1999: 177. Type species: †*Cetopangasius chaetobranchus* Roberts & Jumnonghai, 1999. Type by original designation. Gender: Masculine. Also spelled *Cetopagansius* in text. *Cetopangasius* treated here as the valid spelling.

† ***Cetopangasius chaetobranchus*** Roberts & Jumnonghai, 1999

† *Cetopangasius chaetobranchus* Roberts & Jumnonghai, 1999: 177, figs. 16–21. Type locality: Thailand, North-central Phetchabun Province, Ban Nong Pla; Miocene. Holotype: Department of Natural Resources, Thailand (DNR) TF 5013 (entire skeleton).

Distribution: Thailand; Miocene (Roberts & Jumnonghai, 1999).

**HELICOPHAGUS** Bleeker, 1858

*Helicophagus* Bleeker, 1858b: 28, 45. Type species: *Helicophagus typus* Bleeker, 1858. Type by original designation. Gender: Masculine.

***Helicophagus leptorhynchus*** Ng & Kottelat, 2000

*Helicophagus leptorhynchus* Ng & Kottelat, 2000c: 55, figs. 1, 2a. Type locality: Thailand Ubon Ratchathani Province, Mun River at Bung Wai, about 7 km W of Ubon Ratchathani (15°12'30"N, 104°47'30"E). Holotype: USNM 288676.

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

***Helicophagus typus* Bleeker, 1858**

*Helicophagus typus* Bleeker, 1858a: 46. Type locality: Palembang, in fluvimine Mussi. Holotype: BMNH 1863.12.4.118; illustrated in Bleeker (1862–63: pl. 79 [= Silur. pl. 31], fig. 2).

Distribution: Sumatra and southeastern Borneo (Roberts & Vidthayanon, 1991; Musikasinthorn *et al.*, 1998).

***Helicophagus waandersii* Bleeker, 1858**

*Helicophagus Waandersii* Bleeker, 1858b: 175. Type locality: Palembang, in fluviis [Sumatra]. Holotype (340 mm TL): BMNH 1863.12.4.89; illustrated in Bleeker (1862–63: pl. 80 [= Silur. pl. 32]).

Distribution: Mekong and Chao Phraya Rivers, and Sumatra (Roberts & Vidthayanon, 1991).

**PANGASIANODON** Chevey, 1931

*Pangasianodon* Chevey, 1931: 538. Type species: *Pangasianodon gigas* Chevey, 1931. Type by monotypy. Gender: Masculine.

Remarks: Treatment of this genus as valid follows Rainboth (1996).

***Pangasianodon gigas* Chevey, 1931**

*Pangasianodon gigas* Chevey, 1931: 538, figs. 1–2, pl. 1. Type locality: Cambodge. No types known (cast of type in Musée Economique de Phnom-Pehn).

*Pangasius paucidens* Fang & Chaux, in Chaux & Fang, 1949b: 344, fig. 6. Type locality: Cambodge. Holotype: MNHN 1966-0730.

Distribution: Mekong River basin; stocked in various reservoirs in Thailand (Kottelat, 2001b).

***Pangasianodon hypophthalmus* (Sauvage, 1878)**

*Helicophagus hypophthalmus* Sauvage, 1878: 235. Type locality: Laos. Lectotype: MNHN a-0745, designated by Kottelat (1984b: 812).

*Pangasius sutchi* Fowler, 1937: 141, figs. 27–29. Type locality: Bangkok, Siam. Holotype: ANSP 67902.

Distribution: Mekong and Chao Phraya River basin (Kottelat, 2001b); in cultivation elsewhere in Asia, including Viet Nam and Myanmar.

**PANGASIUS** Valenciennes, 1840

*Pangasius* Valenciennes, in Cuvier & Valenciennes, 1840b: 45 (34 of Strasbourg deluxe edition). Type species: *Pangasius buchanani* Valenciennes, 1840 (= *Pimelodus pangasius* Hamilton, 1822). Type by monotypy. Gender: Masculine.

*Pseudopangasius* Bleeker, 1862c: 399. Type species: *Pangasius polyuranodon* Bleeker, 1852. Type by original designation. Gender: Masculine. Also in Bleeker (1862–63: 14, 75).

*Neopangasius* Popta, 1904: 180. Type species: *Neopangasius nieuwenhuisii* Popta, 1904. Type by monotypy. Gender: Masculine.

*Sinopangasius* Chang & Wu, 1965: 11, 13. Type species: *Sinopangasius semicultratus* Chang & Wu, 1965. Type by original designation. Gender: Masculine.

***Pangasius bocourti* Sauvage, 1880**

*Pangasius (Pseudopangasius) Bocourti* Sauvage, 1880b: 229. Type locality: Phnom-Penh [Cambodia]. Holotype: MNHN 0000-9528.

*Pangasius altifrons* Durand, 1940: 23, pl. 5. Type locality: Tonlé-Sap [Cambodia]. Holotype: at Institut Océanographique Nhatrang.

Distribution: Mekong and Chao Phraya River basins (Roberts & Vidthayanon, 1991; Kottelat, 2001b).

***Pangasius conchophilus* Roberts & Vidthayanon, 1991**

*Pangasius conchophilus* Roberts & Vidthayanon, 1991: 114, figs. 1b, 2j, 5. Type locality: Thabo, Nongkhai prov. [Thailand]. Holotype: NIFI 2227.

Distribution: Mekong, Bangpakong, and Chao Phraya River basins (Roberts & Vidthayanon, 1991; Kottelat, 2001b).

***Pangasius djambal* Bleeker, 1846**

*Pangasius djambal* Bleeker, 1846b: 290. Type locality: Batavia, in fluviis. Possible syntypes: BMNH 1863.12.4.81 (1, 400+ mm TL), RMNH 6854 (1), RMNH 31192 (6), RMNH 8069 (1).

*Pangasius bedado* Roberts, 1999: 110, figs. 1–3. Type locality: Palembang, Sumatra. Holotype: MZB 2598.

Distribution: Java and Borneo (Roberts & Vidthayanon, 1991), Sumatra (Roberts, 1999).

Remarks: Roberts & Vidthayanon (1991:116) designated a neotype (RMNH 6854) for *Pangasius djambal* although several specimens from Bleeker's collections, some of which may be syntypes, were reported on therein. The "neotype" was incorrectly listed as a lectotype by Eschmeyer *et al.* (1998). Synonymy follows Gustiano *et al.* (2004). Register number of syntype of *Pangasius djambal* incorrectly reported as BMNH 1863.12.11.81 in Eschmeyer *et al.* (1998).

***Pangasius elongatus*** Pouyaud, Gustiano & Teugels, 2002

*Pangasius elongatus* Pouyaud, Gustiano & Teugels, 2002: 248, fig. 5. Type locality: Vietnam: Lower Mekong River Delta. Holotype: MZB 10890.

Distribution: Lower reaches of the Mekong, Chao Phraya, and Bangpakong Rivers (Pouyaud *et al.*, 2002).

***Pangasius humeralis*** Roberts, 1989

*Pangasius humeralis* Roberts, 1989a: 131, figs. 100, 101c. Type locality: Kapuas basin, fish market at Sintang, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3680.

Distribution: Kapuas River basin, western Borneo (Roberts, 1989a; Roberts & Vidthayanon, 1991).

† ***Pangasius indicus*** (Marck, 1876)

† *Brachyspondylus indicus* Marck, 1876a: 412, pl. 24 (fig. 2). Type locality: Padang, Sumatra; Tertiary. Holotype: at Royal Geol. Mus. Dresden (imperfect fish). Also in Marck (1876b), priority of publication not established.

† *Pseudeutropius verbeekii* Günther, 1876: 435, pl. 15 (fig. 2). Type locality: Highlands of Padang, Sumatra; Tertiary. Syntypes (2): BMNH 47527 (postcranial fish).

Distribution: Padang, Sumatra; Tertiary.

Remarks: Günther (1876: 436) noted that his specimens were likely conspecific with that of Marck, but considered Marck's name inaccurately reflected the geographic distribution and was, therefore, inappropriate. Woodward (1901: 326) lists † *Brachyspondylus indicus*, as a junior synonym of † *Pseudeutropius verbeekii*, which was followed in the literature. Also see Sanders (1934) for summary of the taxonomic history of these names. Roberts & Jumnonthai (1999) treated this as a species of *Pangasius*, apparently following Sanders (1934: 22). Patterson (1993) expressed skepticism of the reported Eocene age of these fossils.

***Pangasius kinabatanganensis*** Roberts & Vidthayanon, 1991

*Pangasius kinabatanganensis* Roberts & Vidthayanon, 1991: 123, figs. 2P, 10. Type locality: Kinabatangan River at Deramakot [Borneo, Malaysia]. Holotype: FMNH 68042.

Distribution: Kinabatangan River basin, northeastern Borneo (Roberts & Vidthayanon, 1991).

***Pangasius krempfi*** Fang & Chaux, 1949

*Pangasius krempfi* Fang & Chaux, in Chaux & Fang, 1949b: 343, fig. 5. Type locality: en mer .... à Bong-Lao [Vietnam]. Holotype: MNHN 1966-0729.

*Sinopangasius semicultratus* Chang & Wu, 1965: 11, 13, figs. 1–4. Type locality: Off Panghai, Kwangtung, China. Holotype: ASIZB 56-1174.

Distribution: Mekong and Hue River basins, and along coast of South China Sea of Vietnam and Guandong, China (Kottelat, 2001b).

***Pangasius kunyit*** Pouyaud, Teugels & Legendre, 1999

*Pangasius kunyit* Pouyaud, Teugels & Legendre, 1999: 251, fig. 2. Type locality: Sangasanga Village, 30 km south-east of the town of Samarinda, delta of Mahakam River, East Kalimantan, Indonesia. Holotype: MZB 10009.

Distribution: Mahakam River delta, Borneo, Indonesia (Pouyaud *et al.*, 1999).

***Pangasius larnaudii*** Bocourt, 1866

*Pangasius Larnaudii* Bocourt, 1866: 15, pl. 1 (figs. 2, 2a). Type locality: Ajuthia. Syntypes: MNHN 0000-1549 (1), MNHN a-9423 (1).

*Pangasius taeniura* Fowler, 1935b: 98, fig. 19. Type locality: Bangkok, Siam. Holotype: ANSP 61753.

*Pangasius burgini* Fowler, 1937: 141, figs. 24–26. Type locality: Bangkok, Siam. Holotype: ANSP 67901.

Distribution: Mekong, Meklong and Chao Phraya River basins (Roberts & Vidthayanon, 1991; Kottelat, 2001b).

***Pangasius lithostoma*** Roberts, 1989

*Pangasius lithostoma* Roberts, 1989a: 132, fig. 102. Type locality: Market at Sintang, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3678.

Distribution: Kapuas River basin, western Borneo (Roberts, 1989a; Roberts & Vidthayanon, 1991).

***Pangasius macronema*** Bleeker, 1851

*Pangasius macronema* Bleeker, 1851a: 11. Type locality: Banjermassing, in fluviis. Holotype (116 mm): possibly NMV 45892 (1), RMNH 6855 (10), BMNH 1863.12.4.66 (1).

*Pangasius siamensis* Steindachner, 1878c: 393. Type locality: Menam-Fluss bei Bangkok. Syntypes: NMW 45469 (1), NMW 76998 (1).

? *Pangasius aequilabialis* Fowler, 1937: 140, figs. 20–23. Type locality: Bangkok, Siam. Holotype: ANSP 67897.

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

Remarks: BMNH lists BMNH 1863.12.4.66 (1, 144 mm SL) as a type of *Pangasius macronema* but is too large to be the holotype.

***Pangasius mahakamensis*** Pouyaud, Gustiano & Teugels, 2002

*Pangasius mahakamensis* Pouyaud, Gustiano & Teugels, 2002: 246, fig. 4. Type locality: Indonesia, East Kalimantan Province, Mahakam River at Samarinda. Holotype: MZB 10886.

Distribution: Asia: Mahakam River of eastern Kalimantan, Indonesia (Pouyaud *et al.*, 2002).

***Pangasius mekongensis*** Gustiano, Teugels & Pouyaud, 2003

*Pangasius mekongensis* Gustiano, Teugels & Pouyaud, 2003: 370, fig. 7. Type locality: [Lower Mekong River, Vietnam]. Holotype: MZB 10847.

Distribution: Mekong River, Vietnam (Gustiano, Teugels & Pouyaud, 2003).

***Pangasius myanmar*** Roberts & Vidthayanon, 1991

*Pangasius myanmar* Roberts & Vidthayanon, 1991: 131, fig. 17. Type locality: Rangoon, [Myanmar]. Holotype: SU 33787.

Distribution: Myanmar, known only from types (Roberts & Vidthayanon, 1991).

***Pangasius nasutus*** (Bleeker, 1863)

*Pseudopangasius nasutus* Bleeker, 1863f: 72. Type locality: Bandjermassin, in fluviis. Holotype (270 mm TL): possibly BMNH 1863.12.4.113 (207 mm SL, ~ 255 mm TL). Also described as new in Bleeker (1863e).

*Pangasius ponderosus* Myers, in Herre & Myers, 1937: 67, pl. 6. Type locality: Chandra Dam, Perak, Malay Peninsula. Holotype: SU 14162.

Distribution: Sumatra, Borneo and Malay Peninsula (Roberts & Vidthayanon, 1991).

***Pangasius nieuwenhuisii*** (Popta, 1904)

*Neopangasius Nieuwenhuisii* Popta, 1904: 180. Type locality: le Bo, Bornéo central. Holotype: RMNH 7546; described in more detail, with illustration of holotype, in Popta (1906: 30, pl. 1, figs. 3a, 3b).

Distribution: Mahakam River basin, eastern Borneo (Roberts & Vidthayanon, 1991).

***Pangasius pangasius*** (Hamilton, 1822)

*Pimelodus pangasius* Hamilton, 1822: 163, 376, pl. 33 (fig. 52). Type locality: Estuaries of Bengal. No types known.

*Pachypterus luridus* Swainson 1839: 306. No types known. Made available by reference to “Ham. p. 163, f. 62 [sic, 52]” [= Hamilton (1822, 163, pl. 33, fig. 52)]. Unneeded new name for *Pimelodus pangasius* Hamilton, 1822.

*Pangasius Buchanani* Valenciennes, in Cuvier & Valenciennes, 1840b: 45 (34 of Strasbourg deluxe edition), pl. 425. Type locality: Estuaries of Bengal. No types known. Unneeded new name for *Pimelodus pangasius* Hamilton, 1822, apparently to avoid tautonymy.

*Pangasius pangasius godavarii* David, 1962: 151, fig. 3g. Type locality: Godavary River, at Rajahmundry [India]. Syntypes: at Central Inland Fisheries Research Institute’s Tank Fisheries Unit, Bangalore, India.

*Pangasius pangasius upiensis* Srivastava, 1968: 97, fig. 60. Type locality: Bale-ka-Maidan, R. Rohini, Gorakhpur, Uttar Pradesh, India. Holotype: at Zool. Mus. Gorakhpur Univ., India.

Distribution: Rivers and estuaries of Indian subcontinent (Roberts & Vidthayanon, 1991).

Remarks: Redescribed in Hora (1938b).

***Pangasius polyuranodon*** Bleeker, 1852

*Pangasius polyuranodon* Bleeker, 1852b: 425. Type locality: Bandjermassing, in fluviis. Holotype (160 mm TL): possibly RMNH 6855.

*Pangasius juaro* Bleeker, 1852d: 589. Type locality: Palembang, in fluviis. Holotype (336 mm TL): possibly BMNH 1863.12.4.79 (1) or RMNH 6855 (1 of larger specimens).

Distribution: Rivers of Sumatra and northern, western and southern Borneo (Pouyaud *et al.*, 2002).

***Pangasius rheophilus*** Pouyaud & Teugels, 2000

*Pangasius rheophilus* Pouyaud & Teugels, 2000: 194, figs. 1–2. Type locality: Bahau River, tributary of upper Kayan at Longpujungan, Bulungan Regency, Kalimantan Timur, Indonesia. Holotype: MZB 10010.

Distribution: Bahau River, tributary of upper Kayan at Longpujungan, Kalimantan Timur, Indonesia (Pouyaud & Teugels, 2000).

***Pangasius sabahensis*** Gustiano, Teugels & Pouyaud, 2003

*Pangasius sabahensis* Gustiano, Teugels & Pouyaud, 2003: 372, fig. 8. Type locality: [Kinabatangan River basin, North Borneo, Sabah State, Malaysia]. Holotype: MZB 10847.

Distribution: Kinabatangan River basin, North Borneo, Sabah State, Malaysia (Gustiano *et al.*, 2003).

***Pangasius sanitwongsei*** Smith, 1931

*Pangasius sanitwongsei* Smith, 1931: 29, figs. 13–14. Type locality: Menam Chao Phya at Koh Yai, Central Siam. Holotype: Siam Department of Fisheries (apparently lost).

*Pangasius beani* Smith, 1931: 26. Type locality: Klong Ban Poh, off Lopburi, near Ayuthia, Central Siam. Holotype: USNM 90308.

Distribution: Mekong and Chao Phraya River basins (Roberts & Vidthayanon, 1991; Kottelat, 2001b).

Remarks: Roberts & Vidthayanon (1991: 138) acting as first reviser, selected *Pangasius sanitwongsei* as valid.

***Species inquirendae, Pangasius***

*Pangasius delicatissimus* Bleeker, 1863 (in Bleeker, 1862–63): 73, footnote. Type locality: Krawang, Java. No types known, based on a drawing.

*Pangasius hoeksi* Hardenberg, 1948: 412. Type locality: Kapuas River (W. Borneo). Holotype (275 mm): Whereabouts unknown.

**PSEUDOLAIS** Vaillant, 1902

*Pseudolais* Vaillant, 1902: 51. Type species: *Pseudolais tetranema* Vaillant, 1902. Type by monotypy. Gender: Masculine.

*Pteropangasius* Fowler, 1937: 142. Type species: *Pangasius cultratus* Smith, 1931. Type by original designation. Gender: Masculine.

***Pseudolais micronemus*** (Bleeker, 1847)

*Pangasius micronemus* Bleeker, 1847b: 8. Type locality: Java. Syntypes: Possibly BMNH 1863.12.4.82 (1, 250 mm SL), RMNH 6856 (3). Also in Bleeker (1847: 166).

*Pangasius rios* Bleeker, 1851d: 205. Type locality: Bandjermassing, in fluviis. Holotype (115 mm TL): possibly BMNH 1863.12.4.92 (~ 104 mm SL).

*Pseudolais tetranema* Vaillant, 1902: 52, fig. 3. Type locality: Tepoe, bords du Mahakam, Bornéo central. Holotype: Possibly RMNH 7821.

*Pangasius de Zwaani* Weber & de Beaufort, 1912: 535, pl. 12 (fig. 3). Type locality: Taluk, Sumatra. Holotype: ZMA 113011; illustration of holotype reproduced in Weber & de Beaufort (1913: fig. 103).

*Pangasius tubbi* Inger & Chin, 1959: 287, fig. 47. Type locality: Confluence of the Deramakot River with the Kinabatangan River, Kinabatangan District, North Borneo. Holotype: FMNH 68047.

Distribution: Mekong and Hue Rivers, Malay Peninsula, Sumatra, Java, and Borneo (Roberts & Vidthayanon, 1991).

***Pseudolais pleurotaenia*** (Sauvage, 1878)

*Pangasius pleurotaenia* Sauvage, 1878: 235. Type locality: Laos. Lectotype: MNHN 0000-9529 designated by, and illustrated in, Kottelat (1984b: 813, fig. 8a). One of two syntypes illustrated in Sauvage (1881: 169, pl. 8, fig. 6).

*Pangasius cultratus* Smith, 1931: 25. Type locality: Tapi River near Bandon, peninsular Siam. Holotype: USNM 90306.

*Pangasius fowleri* Smith, 1931: 28. Type locality: Lopburi River at Lopburi, Central Siam. Holotype: USNM 90309.

Distribution: Mekong, Meklong, Tapi and Chao Phraya River basins (Roberts & Vidthayanon, 1991; Kottelat,



2001b).

## PIMELODIDAE

Pimelodini Bonaparte, 1838: 131. Type genus: *Pimelodus* La Cepède, 1803.

Pimelodinae Swainson, 1838: 331, 338. Type genus: *Pimelodus* La Cepède, 1803.

Sorubinae Swainson, 1838: 356. Type genus: *Sorubium* Swainson, 1838.

Hypophthalmi Bleeker, 1862 (in Bleeker, 1862–63): 15. Type genus: *Hypophthalmus* Spix & Agassiz, 1829.

Calophysinae Eigenmann, 1890: 12. Type genus: *Calophysus* Müller & Troschel, 1842.

Luciopimelodinae Driver, 1919: 451. Type genus: *Luciopimelodus* Eigenmann & Eigenmann, 1888.

Pinirampidae Fernández-Yépez, 1965: 12. Type genus: *Pinirampus* Bleeker, 1858.

Brachyplatystomatini Lundberg & Akama, 2005: 496. Type genus: *Brachyplatystoma* Bleeker, 1862.

Remarks: Priority of the publications by Bonaparte and Swainson has not yet been established. Thus, the authorship of the valid family name is not fixed. Callophysidae, based on the unjustified emendation *Callophysus*, has been used on occasion.

Taxonomic summary: Lundberg & Littmann (2003).

Phylogeny: Nass (1991).

Review: Mago-Leccia *et al.* (1986, Venezuela); Castro (1986a, Colombian Amazon and Orinoco basins).

29 genera, 93 species; 4 named fossil species.

### **AGUARUNICHTHYS** Stewart, 1986

*Aguarunichthys* Stewart, 1986a: 662. Type species: *Aguarunichthys torosus* Stewart, 1986. Type by original designation. Gender: Masculine.

#### ***Aguarunichthys inpai*** Zuanon, Rapp Py-Daniel & Jégu, 1993

*Aguarunichthys inpai* Zuanon, Rapp Py-Daniel & Jégu, 1993: 258, figs. 2b, 6. Type locality: Brazil: Amazonas State: Solimões River drainage, north of the Marchantaria Island, at about 15 km above confluence with Rio Negro drainage. Holotype: INPA 5398.

Distribution: Middle Amazon River basin, Brazil (Lundberg & Littmann, 2003).

#### ***Aguarunichthys tocantinsensis*** Zuanon, Rapp Py-Daniel & Jégu, 1993

*Aguarunichthys tocantinsensis* Zuanon, Rapp Py-Daniel & Jégu, 1993: 252, figs. 2a, 4. Type locality: Brazil: Pará State: Tocantins River drainage, rapids above Marabá. Holotype: INPA 5400.

Distribution: Tocantins River basin, Brazil (Lundberg & Littmann, 2003).

#### ***Aguarunichthys torosus*** Stewart, 1986

*Aguarunichthys torosus* Stewart, 1986a: 663, figs. 7–8. Type locality: Peru, Departamento Amazonas, Río Cenepa, 1.6 km west of Huampami and near Peruvian military camp Chavez Valdivia, about 210 m elev., Approx. 4°28'S, 78°10'W. Holotype: LACM 39651-1.

Distribution: Cenepa River basin, Amazon River drainage, Peru (Lundberg & Littmann, 2003).

### **BAGROPSIS** Lütken, 1874

*Bagropsis* Lütken, 1874c: 32. Type species: *Bagropsis reinhardti* Lütken, 1874. Type by monotypy. Gender: Feminine.

#### ***Bagropsis reinhardti*** Lütken, 1874

*Bagropsis Reinhardti* Lütken, 1874a: 32. Type locality: in flumine Rio das Velhas. Syntypes: BMNH 1876.1.10.9 (1), NMW 45905 (1), ZMUC P 29630 (1), ZMUC P 29631 (1), ZMUC P 29632 (1). Species illustrated and described in Lütken (1875: 160 (and p. V of summary), pl. 1, fig. 2).

Distribution: Das Velhas River basin, São Francisco River drainage, Brazil (Lundberg & Littmann, 2003).

### **BERGIARIA** Eigenmann & Norris, 1901

*Bergiella* Eigenmann & Norris, 1900: 355. Type species: *Pimelodus westermanni* Reinhardt, 1874. Type by original

designation. Gender: Feminine. Preoccupied by *Bergiella* Baker, 1897 (Hymenoptera), replaced by *Bergiaria* Eigenmann & Norris, 1901.

*Bergiaria* Eigenmann & Norris, 1901: 272. Type species: *Pimelodus westermanni* Reinhardt, 1874. Type by being a replacement name. Gender: Feminine. Replacement for *Bergiella* Eigenmann & Norris, 1900.

***Bergiaria platana*** (Steindachner, 1908)

*Bergiella platana* Steindachner, 1908d: 111. Type locality: La Plata. Holotype: at NMW.

Distribution: Paraná River basin, Argentina (Lundberg & Littmann, 2003).

***Bergiaria westermanni*** (Reinhardt, 1874)

*Pimelodus Westermanni* Reinhardt, in Lütken, 1874a: 33. Type locality: in flumine Rio das Velhas. Syntypes: ZMUC P 29638 (1), ZMUC P 29639 (1). Species illustrated and described in more detail in Lütken (1875: 167 (and p. VI of summary), pls. 2 (fig. 4), pl. 3 (fig. 4a–b)).

Distribution: Das Velhas River basin in São Francisco River drainage, Brazil (Lundberg & Littmann, 2003).

**BRACHYPLATYSTOMA** Bleeker, 1862

*Piramutana* Bleeker, 1858b: 356. Type species: *Bagrus piramuta* Kner, 1857. Type by monotypy. Gender: Feminine.

*Piratinga* Bleeker, 1858b: 355. Type species: *Bagrus reticulatus* Kner, 1857. Type by subsequent designation by Bleeker (1862–63): 11. Gender: Feminine.

*Brachyplatystoma* Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Platystoma vaillanti* Valenciennes, 1840. Type by original designation. Gender: Neuter.

*Malacobagrus* Bleeker, 1862 (in Bleeker, 1862–63): 11. Type species: *Pimelodes filamentosus* Lichtenstein, 1819. Type by original designation. Gender: Masculine.

*Taenionema* Eigenmann & Bean, 1907: 662. Type species: *Taenionema steerei* Eigenmann & Bean, 1907. Type by original designation. Gender: Neuter. Preoccupied by *Taenionema* Banks, 1905 (Plecoptera), and by *Taenionema* Bolivar, 1906 (Orthoptera); replaced by *Goslinia* Myers, 1941.

*Goslinia* Myers, 1941: 88. Type species: *Taenionema steerei* Eigenmann & Bean, 1907. Type by being a replacement name. Gender: Feminine. Replacement for *Taenionema* Eigenmann & Bean, 1907, preoccupied by *Taenionema* Banks, 1905.

*Ginesia* Fernández-Yépez, 1951: [1]. Type species: *Ginesia cunaguaro* Fernández-Yépez, 1951. Type by original designation. Gender: Feminine.

*Merodontotus* Britski, 1981: 109. Type species: *Merodontotus tigrinus* Britski, 1981. Type by original designation. Gender: Masculine.

Review: Miranda Ribeiro (1918f, Brazil).

Remarks: Treatment of *Brachyplatystoma* as valid over older names follows Lundberg & Littmann (2003) and Lundberg & Akama (2005). Synonymy of *Merodontodus* and *Goslinia* follows Lundberg & Akama (2005).

***Brachyplatystoma capapretum*** Lundberg & Akama, 2005

*Brachyplatystoma capapretum* Lundberg & Akama, 2005: 501, fig. 8. Type locality: Brazil, Amazonas State, Rio Tefé sand beach, Lago Mucura, Supiã-Pucu, Tefé, 3°22'S, 64°43'W. Holotype: MZUSP 78481.

Distribution: Amazon River basin of Brazil and Peru (Lundberg & Akama, 2005).

***Brachyplatystoma filamentosum*** (Lichtenstein, 1819)

*Pimelodes filamentosus* Lichtenstein, 1819: 60. Type locality: Brasilien. Holotype: ZMB 2973.

*Platystoma affine* Valenciennes, in Cuvier & Valenciennes, 1840b: 24 (18 in the Strasbourg deluxe edition). Type locality: [not stated; apparently from Rio de Janeiro, Brazil]. Holotype: MNHN a-9360 (mounted).

*Platystoma gigas* Günther, 1872: 450. Type locality: River Huallaga, Upper Amazon [Peru]. Holotype: BMNH 1872.12.3.1 (stuffed).

*Piratinga pirá-aíba* Goeldi, 1898: 464, 477, pl. (fig. 4). Type locality: [Pará, Brazil]. Holotype: Whereabouts unknown. Name available from caption on plate.

*Brachyplatystoma goeldii* Eigenmann & Bean, 1907: 661, fig. 1. Type locality: Brazil: Amazon River, between Para and Manaos. Holotype: USNM 52561.

Distribution: Amazon and Orinoco River basins and major rivers of the Guianas and NE Brazil (Lundberg & Litt-

mann, 2003).

***Brachyplatystoma juruense*** (Boulenger, 1898)

*Platystoma juruense* Boulenger, 1898e: 421, pl. 39. Type locality: Rio Juruá, an affluent of the Amazons, Brazil.

Holotype: BMNH 1897.11.26.11.

*Ginesia cunaguaro* Fernández-Yépez, 1951: [2], unnumbered figure. Type locality: Río Apure, 3 km east of San Fernando de Apure, Venezuela. Holotype: AFY 51189; current whereabouts unknown.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

***Brachyplatystoma platynemum*** Boulenger, 1898

*Brachyplatystoma platynema* Boulenger, 1898b: 477. Type locality: Brazil, Pará. Holotype: BMNH 1898.10.11.20.

*Taenionema steerei* Eigenmann & Bean, 1907: 662, fig. 2. Type locality: Brazil, Amazon River, between Para and Manaus. Holotype: USNM 52571.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

† ***Brachyplatystoma promagdalenae*** Lundberg, 2005

† *Brachyplatystoma promagdalenae* Lundberg, 2005: 599, figs. 1a, 2a, 3, 4a, 5a, 6a. Type locality: Miocene Villavieja Formation of the Honda Group in the southern end of the río Magdalena basin near the town of Villavieja, Huila Department, Colombia at approx. 3°5'N, 75°13'W. Holotype: IGM 183062 (partial vertebral column, Weberian complex).

Distribution: La Venta formation, central Colombia; middle Miocene (Lundberg, 2005).

***Brachyplatystoma rousseauxii*** (Castelnau, 1855)

*Bagrus rousseauxii* Castelnau, 1855: 32, pl. 14 (fig. 1). Type locality: rivière des Amazones. Holotype: MNHN a-9457 (dry).

*Bagrus Goliath* Kner, 1857: 379. Type locality: Salto Theotonio [Brazil]. Holotype: at NMW.

*Brachyplatystoma paraense* Steindachner, 1909a: 195. Type locality: Fischmarkt von Pará [Brazil]. Holotype: NMW 47590. Illustrated and described in more detail in Steindachner (1915e: 65, fig. 4, pl. 13, fig. 5).

Distribution: Amazon and Orinoco River basins and other major rivers of South America east of the Andes mountains (Lundberg & Littmann, 2003).

***Brachyplatystoma tigrinum*** (Britski, 1981)

*Merodontotus tigrinus* Britski, 1981: 110, figs. 1–2. Type locality: Brazil, Cachoeira do Teotônio, rio Madeira, Território de Rondônia. Holotype: MZUSP 14004.

Distribution: Amazon River basin (Lundberg & Littmann, 2003).

***Brachyplatystoma vaillantii*** (Valenciennes, 1840)

? *Silurus Vaillantii* Cuvier, 1816: 204. Type locality: Brazil. Based on “bagre primus” Marcgravius (1648: 173). Originally as *Sil. Nob. Vaillantii*.

*Platystoma Vaillantii* Valenciennes, in Cuvier & Valenciennes, 1840b: 21 (16 of Strasbourg deluxe edition), pl. 423. Type locality: de Cayenne et de Suriname. Syntypes: MNHN b-0158 (1), MNHN b-0159 (1). Based in part on “bagre primus” Marcgravius (1648: 173).

*Bagrus reticulatus* Kner, 1857: 376, pl. 1 (fig. 1). Type locality: Salto Theotonio, am Flusse Araguay, Forte do Rio branco und Rio Madeira [Brazil]. Holotype: at NMW.

*Bagrus piramuta* Kner, 1857: 382. Type locality: Barra do Rio negro und Borba Rio Madeira [Brazil]. Syntypes: at NMW.

*Brachyplatystoma parnahybae* Steindachner, 1908e: 126. Type locality: Rio Parnahyba. Holotype: at NMW.

Distribution: Amazon and Orinoco River basins and major rivers of the Guianas and NE Brazil (Lundberg & Littmann, 2003).

Remarks: Inclusion of *Silurus Vaillantii* in the synonymy is based on the citation of the same species from Marcgravius (1648) in the text of that species as well as *Platystoma Vaillantii* Valenciennes.

***Species inquirenda, Brachyplatystoma***

*Bagrus punctulatus* Castelnau, 1855: 33, pl. 14 (fig. 2). Type locality: de la rivière des Amazones [Brazil]. Holotype: at MNHN, but current whereabouts unknown.

**CALOPHYSUS** Müller & Troschel, 1842

*Calophysus* Müller & Troschel, in Müller, 1842b: 310. Type species: *Pimelodes macropterus* Lichtenstein, 1819. Type by subsequent designation by Bleeker (1862–63: 12). Gender: Masculine. Also as new in Müller (1843: 318).

*Callophysus* Müller & Troschel, 1848: 629. Type species: *Pimelodes macropterus* Lichtenstein, 1819. Type by subsequent designation by Bleeker (1862–63: 12). Gender: Masculine. Unjustified emendation of *Calophysus*, and a spelling that was in wide use.

*Pimeletropis* Gill, 1859b: 196. Type species: *Pimeletropis lateralis* Gill, 1859. Type by monotypy. Gender: Feminine.

*Pseudocallophysus* Bleeker, 1862 (in Bleeker, 1862–63): 12. Type species: *Pimelodus ctenodus* Spix & Agassiz, 1829. Type by original designation. Gender: Masculine.

***Calophysus macropterus*** (Lichtenstein, 1819)

*Pimelodes macropterus* Lichtenstein, 1819: 59. Type locality: Brasilien. Holotype: ZMB 3055.

*Pimelodus ctenodus* Spix & Agassiz, 1829: 21, pl. 8a. Type locality: aequatorialis fluviis [Brazil]. Holotype: Whereabouts unknown (Kottelat, 1988).

*Pimeletropis lateralis* Gill, 1859b: 196. Type locality: Amazon River. Holotype: at Lyceum Natural History, NY (whereabouts unknown).

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

**CHEIROCERUS** Eigenmann, 1917

*Cheirocerus* Eigenmann, 1917a: 398. Type species: *Cheirocerus eques* Eigenmann, 1917. Type by original designation. Gender: Masculine.

*Sovichthys* Schultz, 1944c: 190. Type species: *Sovichthys abuelo* Schultz, 1944. Type by original designation. Gender: Masculine.

Revision: Stewart & Pavlik (1985).

***Cheirocerus abuelo*** (Schultz, 1944)

*Sovichthys abuelo* Schultz, 1944c: 191, pl. 1 (fig. a). Type locality: Venezuela, Río de Los Pájaros, 3 km above Lago Maracaibo, at depth of 15 ft. Holotype: USNM 121183.

Distribution: Lake Maracaibo basin (Lundberg & Littmann, 2003).

***Cheirocerus eques*** Eigenmann, 1917

*Cheirocerus eques* Eigenmann, 1917a: 398, pl. 39. Type locality: Villa Bella [Bolivia]. Holotype: FMNH 58255.

Distribution: Amazon River basin (Lundberg & Littmann, 2003).

***Cheirocerus goeldii*** (Steindachner, 1908)

*Pimelodina goeldii* Steindachner, 1908c: 83. Type locality: Rio Purus [Brazil]. Holotype: NMW 45503.

*Pimelodus leptus* Eigenmann & Pearson, in Eigenmann & Allen, 1942: 104, pl. 4 (fig. 3). Type locality: Río Pachitea [Peru]. Holotype: CAS 47288.

Distribution: Purus River basin (Lundberg & Littmann, 2003).

**DUOPALATINUS** Eigenmann & Eigenmann, 1888

*Duopalatinus* Eigenmann & Eigenmann, 1888b: 136. Type species: *Platystoma emarginatum* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

***Duopalatinus emarginatus*** (Valenciennes, 1840)

*Platystoma emarginatum* Valenciennes, in Cuvier & Valenciennes, 1840b: 25 (19 of Strasbourg deluxe edition). Type locality: rivière de Saint-François. Holotype: MNHN a-9353 (mounted).

Distribution: São Francisco River basin, Brazil (Lundberg & Littmann, 2003).

***Duopalatinus peruanus*** Eigenmann & Allen, 1942

*Duopalatinus peruanus* Eigenmann & Allen, 1942: 107, pl. 4 (fig. 4). Type locality: Rio Puinagua, mouth of Rio Pacaya [Río Ucayali system, Peru]. Holotype: CAS 63630.

Distribution: Amazon and Orinoco River (Lundberg & Littmann, 2003).

**EXALLODONTUS** Lundberg, Mago-Leccia & Nass, 1991

*Exallodontus* Lundberg, Mago-Leccia & Nass, 1991: 843. Type species: *Exallodontus aguanai* Lundberg, Mago-Leccia & Nass, 1991. Type by original designation. Gender: Masculine.

***Exallodontus aguanai*** Lundberg, Mago-Leccia & Nass, 1991

*Exallodontus aguanai* Lundberg, Mago-Leccia & Nass, 1991: 847, figs. 2–10, 13. Type locality: Venezuela, Territorio Federal Delta Amacuro, Río Orinoco near Los Castillos, 159 n mi from sea buoy at the terminus of the ship navigation channel in Boca Grande, 8°32'N, 62°23'W, 20–30 m. Holotype: MBUCV V-18930.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

**HEMISORUBIM** Bleeker, 1862

*Hemisorubim* Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Platystoma platyrhynchos* Valenciennes, 1840. Type by original designation. Gender: Masculine.

***Hemisorubim platyrhynchos*** (Valenciennes, 1840)

*Platystoma platyrhynchos* Valenciennes in Cuvier & Valenciennes, 1840b: 27 (20 of Strasbourg deluxe edition). Type locality: [Not stated]. Holotype: MNHN 0000-1203.

Distribution: Amazon, Maroni, Orinoco, and Paraná River basins (Lundberg & Littmann, 2003).

**HYPOPHTHALMUS** Cuvier, 1829

*Hypophthalmus* Cuvier, 1829: 293. Type species: *Hypophthalmus edentatus* Spix & Agassiz, 1829. Type by subsequent designation by Bleeker (1862–63: 15). Gender: Masculine.

*Hypophthalmus* Spix & Agassiz, 1829: 16. Type species: *Hypophthalmus edentatus* Spix & Agassiz, 1829. Type by subsequent designation Bleeker (1862–63: 15). Gender: Masculine.

*Notophthalmus* Hyrtl, 1859: 17. Type species: *Hypophthalmus marginatus* Valenciennes, 1840. Type by monotypy. Gender: Masculine. Preoccupied by *Notophthalmus Rafinesque*, 1820 (Amphibia); apparently not replaced.

*Pseudohypophthalmus* Bleeker, 1862 (in Bleeker, 1862–63): 15. Type species: *Hypophthalmus fimbriatus* Kner, 1857. Type by original designation. Gender: Masculine.

Review: Lopez-Fernandez & Winemiller (2000, Venezuela).

Phylogeny: Howes (1983a), Lundberg *et al.* (1991).

***Hypophthalmus edentatus*** Spix & Agassiz, 1829

*Hypophthalmus edentatus* Spix & Agassiz, 1829: 16, pl. 9. Type locality: influviis Brasiliae equatorialis. Syntypes (2): Possibly MHNN 706 (2); see Kottelat (1988: 24) for discussion.

*Hypophthalmus Spixii* Valenciennes in Cuvier & Valenciennes, 1840b: 231 (172 of Strasbourg deluxe edition). Type locality: la partie la plus septentrionale du Brésil. Possible syntypes: MHNN 706 (2). Unneeded new name for *Hypophthalmus edentatus* Spix & Agassiz, 1829.

Distribution: Amazon and Orinoco River basins and Atlantic coastal rivers of Guyana and Suriname (Lundberg & Littmann, 2003).

***Hypophthalmus fimbriatus*** Kner, 1857

*Hypophthalmus fimbriatus* Kner, 1857: 444, pl. 9 (fig. 30). Type locality: Rio negro [Brazil]. Syntype: NMW 50519 (1).

Distribution: Amazon River at Santarém and Negro River basin in Brazil and Venezuela (Lundberg & Littmann, 2003).

***Hypophthalmus marginatus*** Valenciennes, 1840

*Hypophthalmus marginatus* Valenciennes, in Cuvier & Valenciennes, 1840b: 225 (168 of Strasbourg deluxe edition), pl. 439. Type locality: Cayenne, ... Surinam. Syntypes: MNHN a-8961 (1), MNHN a-8963 (1), RMNH 1932 (1), RMNH 1933 (1).

Distribution: Amazon and Orinoco River basins and major rivers of French Guiana and Suriname (Lundberg & Littmann, 2003).

***Hypophthalmus oremaculatus*** Nani & Fuster, 1947

*Hypophthalmus oremaculatus* Nani & Fuster, 1947: 3, figs. 2–3. Type locality: Puerto Gaboto, Rio Paraná, curso

inferior [Argentina]. Holotype: MACN 3496.

Distribution: Paraná River basin, Brazil and Argentina (Lundberg & Littmann, 2003).

**Species inquirendae, Hypophthalmus**

*Hypophthalmus longifilis* Valenciennes in Cuvier & Valenciennes, 1840b: 230 (171 of Strasbourg deluxe edition). Type locality: Surinam. Syntypes: RMNH 1931 (1), RMNH 2974 (1), RMNH 2988 (1).

*Hypophthalmus perporosus* Cope, 1878: 673. Type locality: Peru, probably Nauta. Holotype: USNM 132589.

*Hypophthalmus devall* Röhl, 1942: 383. Type locality: Venezuela, rios Aupre y Orinoco. Type(s): Whereabouts unknown.

**IHERINGICHTHYS** Eigenmann & Norris, 1900

*Iheringichthys* Eigenmann & Norris, 1900: 354. Type species: *Pimelodus labrosus* Lütken, 1874. Type by original designation. Gender: Masculine.

***Iheringichthys labrosus*** (Lütken, 1874)

*Pimelodus labrosus* Lütken, 1874b: 200. Type locality: La Plata. Syntypes: ZMUC P 29633 (1), ZMUC P 29634 (1), ZMUC P 29635 (1), ZMUC P 29636 (1)..

Distribution: Paraná River basin (Lundberg & Littmann, 2003).

***Iheringichthys megalops*** Eigenmann & Ward, 1907

*Iheringichthys megalops* Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 115, pl. 32 (figs. 3–4). Type locality: Paraguay, Bahia Negra, Río Paraguay. Holotype: CAS 63631.

Distribution: Paraná River basin, Paraguay (Lundberg & Littmann, 2003).

**LEIARIUS** Bleeker, 1862

*Leiarius* Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Arius longibarbis* Castelnau, 1855. Type by original designation. Gender: Masculine.

*Sciadeoides* Eigenmann & Eigenmann, 1888b: 136. Type species: *Sciades marmoratus* Gill, 1870. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Sciades*.

***Leiarius marmoratus*** (Gill, 1870)

*Sciades marmoratus* Gill, 1870: 95. Type locality: Peru or Ecuador, Amazon system, Río Marañon or Río Napo. Holotype: USNM 8447.

Distribution: Amazon, Essequibo, and Orinoco River basins (Lundberg & Littmann, 2003).

***Leiarius pictus*** (Müller & Troschel, 1849)

*Bagrus (Sciades) pictus* Müller & Troschel, 1849: 8, pl. 1 (fig. 1). Type locality: unbekannt. Holotype: ZMB 2991.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

**Species inquirendae, Leiarius**

*Pimelodus arekaima* Jardine, in Schomburgk, 1841: 178, pl. 5. Type locality: Upper Essequibo, Rio Branco. No types known.

*Arius longibarbis* Castelnau, 1855: 36, pl. 15 (fig. 2). Type locality: rivière des Amazones. Holotype: MNHN 0000-1189. Originally as *Arius ? longibarbis*.

*Pimelodus multiradiatus* Kner, 1857: 414. Type locality: Borba am Rio Madeira und Forte do Rio branco am Rio Facutu [Brazil]. Syntypes: NMW 16515 (1), NMW 16518 (1).

**LUCIOPIMELODUS** Eigenmann & Eigenmann, 1888

*Luciopimelodus* Eigenmann & Eigenmann, 1888b: 122. Type species: *Pimelodus pati* Valenciennes, 1835. Type by original designation. Gender: Masculine.

***Luciopimelodus pati*** (Valenciennes, 1835)

*Pimelodus Pati* Valenciennes, 1835, in Valenciennes, 1835–47: pl. 1 (figs. 7–9). Type locality: Not stated [Corri-

entes, Argentina]. Probable holotype: MNHN a-9419 (1, dry). Name available from plate; mentioned in Valenciennes (1847: 7) from Corrientes. Described in Cuvier & Valenciennes (1840b: 176 (131 of Strasbourg deluxe edition)).

*Silurus 11-radiatus* Larrañaga, 1923: 386. Type locality: Uruguay. No types known. Corresponds to *Silurus pati* on p. 376.

Distribution: La Plata and Blanco River basins (Lundberg & Littmann, 2003).

#### **MEGALONEMA** Eigenmann, 1912

*Megalonema* Eigenmann, 1912b: 150. Type species: *Megalonema platycephalum* Eigenmann, 1912. Type by original designation. Gender: Neuter.

#### ***Megalonema argentina*** (MacDonagh, 1938)

*Perugia argentina* MacDonagh, 1938: 157. Type locality: Argentina, rio Paraná, Posadas, Territorio de Misiones. Holotype: MLP 5.V.I.35.

Distribution: Paraná River basin, Argentina (Lundberg & Littmann, 2003).

#### ***Megalonema pauciradiatum*** Eigenmann, 1919

*Megalonema pauciradiatum* Eigenmann, in Driver, 1919: 455. Type locality: Paraguay, Villa Rica. Holotype: CAS 63672.

Distribution: Paraná River basin, Paraguay (Lundberg & Littmann, 2003).

#### ***Megalonema platanum*** (Günther, 1880)

*Pimelodus platanus* Günther, 1880a: 10. Type locality: Parana. Holotype: BMNH 1872.6.8.18.

Distribution: Paraná River basin (Lundberg & Littmann, 2003).

#### ***Megalonema platycephalum*** Eigenmann, 1912

*Megalonema platycephalum* Eigenmann, 1912b: 150, fig. 31, pl. 10 (fig. 2). Type locality: Tumatumari, British Guiana. Holotype: FMNH 53224.

Distribution: Amazon, Essequibo, and Orinoco River basins (Lundberg & Littmann, 2003).

#### ***Megalonema psammium*** Schultz, 1944

*Megalonema platycephalum psammium* Schultz, 1944c: 216, pl. 2 (fig. b). Type locality: Venezuela, Rio Palmar at the bridge 70 km southwest of Maracaibo. Holotype: USNM 121175.

Distribution: Lake Maracaibo basin, Colombia, Venezuela (Lundberg & Littmann, 2003).

#### ***Megalonema xanthum*** Eigenmann, 1912

*Megalonema xanthum* Eigenmann, 1912a: 16. Type locality: Girardot [Colombia]. Holotype: FMNH 56032; holotype illustrated in Eigenmann (1922b: 35, pl. 3, fig. 3) as *Perugia xanthus*.

Distribution: Magdalena River basin, Colombia (Lundberg & Littmann, 2003; Maldonado-Ocampo *et al.*, 2005).

#### **PARAPIMELODUS** La Monte, 1933

*Parapimelodus* La Monte, 1933b: 226. Type species: *Pimelodus valenciennis* Lütken, 1874. Type by original designation. Gender: Masculine.

Revision: Lucena *et al.* (1992).

#### ***Parapimelodus nigribarbis*** (Boulenger, 1889)

*Pimelodus (Pseudorhamdia) nigribarbis* Boulenger, 1889: 266. Type locality: Brazil, Rio Grande do Sul, Camaquã River. Lectotype: BMNH 1889.8.24.6, designated by Lucena *et al.* (1992: 145).

Distribution: Laguna dos Patos basin, Brazil (Lundberg & Littmann, 2003).

#### ***Parapimelodus valenciennis*** (Lütken, 1874)

*Pimelodus valenciennis* Lütken, 1874b: 200. Type locality: La Plata. Holotype: ZMUC P 29637.

*Pimelodus Spegazzinii* Perugia, 1891: 632. Type locality: Rio Durazno. Syntypes: MSNG 8026 (2).

Distribution: Paraná River basin (Lundberg & Littmann, 2003).

#### **PERRUNICHTHYS** Schultz, 1944

*Perrunichthys* Schultz, 1944c: 229. Type species: *Perrunichthys perruno* Schultz, 1944. Type by original designation. Gender: Masculine.

***Perrunichthys perruno*** Schultz, 1944

*Perrunichthys perruno* Schultz, 1944c: 230, pl. 3 (fig. b); fig. 3. Type locality: Venezuela, Río Negro, below the mouth of the Río Yasa, about 75 km. south of Rosario, west side of Lago Maracaibo. Holotype: USNM 121189. Distribution: Lake Maracaibo basin (Lundberg & Littmann, 2003).

**PHRACTOCEPHALUS** Spix & Agassiz, 1829

*Phractocephalus* Spix & Agassiz, 1829: 10. Type species: *Phractocephalus bicolor* Spix & Agassiz, 1829. Type by monotypy. Gender: Masculine.

*Pirarara* Spix & Agassiz, 1829: 23. Type species: *Silurus hemioliopus* Bloch & Schneider, 1801. Type by monotypy. Gender: Feminine. Appeared first as name in synonymy under *Phractocephalus* and in legend for pl. 6; made available by Bleeker (1862–63: 11) but with authorship to Spix & Agassiz.

Remarks: *Phractocephalus* selected as valid by first reviser action of Agassiz (in Spix & Agassiz, 1831: Conspectus); see Kottelat (1989b: 321) for details.

***Phractocephalus hemioliopus*** (Bloch & Schneider, 1801)

*Silurus hemioliopus* Bloch & Schneider, 1801: 385. Type locality: [in flumine Maranham Brasiliae].

*Pimelodus grunniens* Humboldt, in Humboldt & Valenciennes, 1821: 172. Type locality: le Bas-Orénoque. No types known.

*Phractocephalus bicolor* Spix & Agassiz, 1829: 23, pl. 6. Type locality: in fluvio Amazonum [Brazil]. Whereabouts unknown (Kottelat, 1988). As *Pirarara bicolor* on plate.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

Remarks: See Boeseman (1983b) for comments on taxonomy and nomenclature.

† ***Phractocephalus nassi*** Lundberg & Aguilera, 2003

† *Phractocephalus nassi* Lundberg & Aguilera, 2003: 101, figs. 3, 5a, 5b, 5e, 5h, 5k, 5l. Type locality: El Mamón oil field, 350 m north of oil well number 1, locality USB 56-FU, 11°15'N, 70°13'W, Urumaco Formation, middle member, Falcón State, northwestern Venezuela. Holotype: MCN.USB OL-2142.

Distribution: Urumaco Formation, Falcón State, Venezuela, upper Miocene (Lundberg & Aguilera, 2003).

Remarks: Described earlier by Lundberg *et al.* (1988) as *Phractocephalus hemioliopus*.

**PIMELODINA** Steindachner, 1877

*Pimelodina* Steindachner, 1877a: 149. Type species: *Pimelodina flavipinnis* Steindachner, 1877. Type by monotypy. Gender: Feminine.

Revision: Stewart (1986a).

***Pimelodina flavipinnis*** Steindachner, 1877

*Pimelodina flavipinnis* Steindachner, 1877a: 150, pl. 13 (fig. 2) [as *Pimelodus (Pimelodina) flavipinnis*]. Type locality: Amazonenstrom bei Para [Brazil]. Holotype: NMW 45498.

*Pimelodina nasus* Eigenmann & Eigenmann, 1888b: 120. Type locality: Para [Brazil]. Holotype: MCZ 7490.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

**PIMELODUS** La Cepède, 1803

*Pimelodus* La Cepède, 1803: 93. Type species: *Pimelodus maculatus* La Cepède, 1803. Type by subsequent designation, by Gill (1861b). Gender: Masculine.

*Pseudariodes* Bleeker, 1862 (in Bleeker, 1862–63): 11. Type species: “*Pseudariodes clarias* = *Silurus clarias* Bl.” [= *Pimelodus Blochii* Valenciennes, 1840, nec. *Silurus clarias* Linnaeus, 1758]. Type by original designation. Gender: Masculine.

*Pseudorhamdia* Bleeker, 1862 (in Bleeker, 1862–63): 11. Type species: *Pimelodus maculatus* La Cepède, 1803. Type by original designation. Gender: Feminine.

***Pimelodus absconditus*** Azpelicueta, 1995

*Pimelodus absconditus* Azpelicueta, 1995: 72, figs. 1–2. Type locality: Argentina, Misiones, San Javier, Uruguay River. Holotype: MLP 8781.

Distribution: Paraná River basin (Lundberg & Littmann, 2003).



***Pimelodus albicans*** (Valenciennes, 1840)

*Arius albidus* Valenciennes, 1835, in Valenciennes, 1835–47: pl. 3, fig. 2. Type locality: Not stated. Holotype: MNHN a-9400. Name made available by caption on plate.

*Arius albicans* Valenciennes, in Cuvier & Valenciennes, 1840b: 80 (60 of Strasbourg deluxe edition). Type locality: Buéno-Ayres. Syntype: MNHN a-9400 (dry). Unneeded new name or *lapsus calami* for *Arius albidus* Valenciennes.

*Silurus muticus* Larrañaga, 1923: 386. Type locality: Uruguay. No types known.

Distribution: Paraná River basin, Argentina (Lundberg & Littmann, 2003).

Remarks: Treatment of *Pimelodus albicans* as valid follows Lundberg & Littmann (2003), in which *Arius albidus* Valenciennes, 1835, was treated as a *nomen oblitum*.

***Pimelodus albofasciatus*** Mees, 1974

*Pimelodus albofasciatus* Mees, 1974: 137, pl. 4. Type locality: Suriname, Sipaliwini. Holotype: RMNH 26156.

Distribution: Amazon, Orinoco, upper Corantijn and Sipaliwini River basins (Lundberg & Littmann, 2003).

***Pimelodus altissimus*** Eigenmann & Pearson, 1942

*Pimelodus altissimus* Eigenmann & Pearson, in Eigenmann & Allen, 1942: 106, pl. 5 (fig. 5). Type locality: Rio Ucayali, near Orellana [Peru]. Holotype: CAS 55369.

Distribution: Amazon River basin (Lundberg & Littmann, 2003).

***Pimelodus atrobrunneus*** Vidal & Lucena, 1999

*Pimelodus atrobrunneus* Vidal & Lucena, 1999: 123, figs. 1–3. Type locality: Brasil: rio Ligeiro na estrada entre Marcelino Ramos e Maximiliano de Almeida, Marcelino Ramos, 27°38'S–51°52'O, Rio Grande do Sul. Holotype: MCP 19678.

Distribution: Upper Uruguay River basin, Brazil (Lundberg & Littmann, 2003).

***Pimelodus blochii*** Valenciennes, 1840

*Pimelodus Blochii* Valenciennes, in Cuvier & Valenciennes, 1840b: 188 (139 of Strasbourg deluxe edition). Type locality: Surinam. Syntypes: MNHN b-0072 (1), ZMB 2995 (1). Based in part on *Silurus clarias* of Bloch (1782: pl. 35, figs. 1–2), not *Silurus clarias* Linnaeus, 1758.

*Pseudorhamdia macronema* Bleeker, 1864a: 79, pl. 13 (fig. 7), pl. 14. Type locality: Surinama. Lectotype: RMNH 3069, designated by Boeseman (1972: 317).

*Pseudorhamdia piscatrix* Cope, 1870b: 569. Type locality: Pebas [Peru]. Syntypes: ANSP 8386–87 (2).

Distribution: Gulf of Paria, Amazon, Corantijn, Essequibo and Orinoco River basins (Lundberg & Littmann, 2003); Magdalena River basin (Maldonado-Ocampo *et al.*, 2005).

Remarks: Eschmeyer *et al.* (1998) and Lundberg & Littmann (2003) list MNHN b-0072 as lectotype of *Pimelodus blochii*, without citing a published source of the lectotype designation and, instead, apparently relying on a notation in the MNHN catalog to that effect. No published designation has been found, so the two specimens are tentatively retained as syntypes here.

***Pimelodus brevis*** Marini, Nichols & La Monte, 1933

*Pimelodus brevis* Marini, Nichols & La Monte, 1933: 1, fig. 1. Type locality: Argentina, Rio de la Plata, San Fernando. Holotype: AMNH 12240 (missing).

Distribution: Paraná River basin; Durazno River, Argentina (Lundberg & Littmann, 2003).

***Pimelodus coprophagus*** Schultz, 1944

*Pimelodus clarias coprophagus* Schultz, 1944c: 203, fig. 2. Type locality: Venezuela, Río Agua Caliente, 2 to 3 km above the southwestern corner of Lago Maracaibo. Holotype: USNM 121150.

Distribution: Lake Maracaibo basin (Lundberg & Littmann, 2003).

***Pimelodus fur*** (Reinhardt, 1874)

*Pseudorhamdia fur* Reinhardt, in Lütken, 1874c: 33. Type locality: in flumine Rio das Velhas. Syntypes: NMW 44443 (3), NMW 44763 (2), SMNS 2026 (1), ZMB 9181 (2), ZMUC P 29643–ZMUC P 29651 (1 each). Illustrated and described in more detail in Lütken (1875: 169 (and p. VI of summary), pl. 2, fig. 3; pl. 3, fig. 3a).

Distribution: Das Velhas River basin, São Francisco River drainage, Brazil (Lundberg & Littmann, 2003).

***Pimelodus garciabarrigai*** Dahl, 1961

*Pimelodus garcia-barrigai* Dahl, 1961: 494. Type locality: Colombia, Deep pool in Caño Lozada, about 11 km

above its junction with the Guayabero River. Holotype: ICNMHN 744 (Cala, 1981).

Distribution: Guayabero River basin, Orinoco River drainage, Colombia (Lundberg & Littmann, 2003).

***Pimelodus grosskopfii*** Steindachner, 1879

*Pimelodus (Pimelodus) Grosskopfii* Steindachner, 1879c: 194. Type locality: Río Cauca [Colombia]. Syntypes: NMW 45781 (4), NMW 45782 (1). Also described as new in Steindachner (1879g: 186); described in more detail and illustrated in Steindachner (1880b: 57, pl. 1 figs. 1, 1a).

*Pimelodus longifilis* Posada, 1909: 294. Type locality: aus dem Cauca [Colombia]. No types known.

Distribution: Magdalena River basin and Lake Maracaibo basins (Lundberg & Littmann, 2003).

***Pimelodus heraldoi*** Azpelicueta, 2001

*Pimelodus heraldoi* Azpelicueta 2001: 194, figs. 1–2 Type locality: Brazil, Estado de São Paulo: Município de Pirassununga, rio Mogi Guaçu in Emas. Holotype: MZUSP 22713.

Distribution: Upper Paraná River basin, Brazil (Lundberg & Littmann, 2003).

***Pimelodus jivaro*** Eigenmann & Pearson, 1942

*Pimelodus jivaro* Eigenmann & Pearson, in Eigenmann & Allen, 1942: 105, pl. 4 (fig. 2). Type locality: Rio Morona [Peru]. Syntypes (5; 85–105 mm): CAS 55891 (3).

Distribution: Upper Amazon River basin, Ecuador, Peru (Lundberg & Littmann, 2003).

***Pimelodus maculatus*** La Cepède, 1803

*Pimelodus maculatus* La Cepède, 1803: 94. Type locality: Le grand fleuve de la Plata, ... Buénos-Ayres, ainsi qu'à la Encenada. No types known.

Distribution: Paraná and São Francisco River basins (Lundberg & Littmann, 2003).

***Pimelodus microstoma*** Steindachner, 1877

*Pimelodus microstoma* Steindachner, 1877b: 604, footnote. Type locality: Brazil, von Irisanga, Rio branco und Barra do Rio negro. Syntypes: NMW 45823 (1), NMW 45824 (2).

Distribution: Amazon River basin, Brazil (Lundberg & Littmann, 2003).

***Pimelodus mysteriosus*** Azpelicueta, 1998

*Pimelodus mysteriosus* Azpelicueta, 1988: 88, figs. 1–3, 5–6, 8, 10, 12, 14. Type locality: Argentina, Misiones, Candelaria, arroyo Anselmo. Holotype: MLP 9191.

Distribution: Paraná River basin (Lundberg & Littmann, 2003).

***Pimelodus navarroi*** Schultz, 1944

*Pimelodus grosskopfii navarroi* Schultz, 1944c: 207, pl. 1 (fig. c). Type locality: Venezuela, Río Palmar at the bridge 70 km southwest of Maracaibo. Holotype: USNM 121174.

Distribution: Lake Maracaibo basin (Lundberg & Littmann, 2003).

***Pimelodus ornatus*** Kner, 1857

*Pimelodus ornatus* Kner, 1857: 411, pl. 6 (fig. 18). Type locality: Surinam, dem Rio negro und Cujaba [Brazil]. Syntypes: NMW 45832 (2), NMW 45843 (1).

*Megalonema rhabdostigma* Fowler, 1914: 256, fig. 10. 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 39338.

Distribution: Amazon, Corantijn, Essequibo, Orinoco and Paraná River basins and major rivers of the Guianas (Lundberg & Littmann, 2003).

***Pimelodus ortmanni*** Haseman, 1911

*Pimelodus ortmanni* Haseman, 1911b: 379, pl. 50 (fig. 2). Type locality: Brazil, Porto União da Victoria, Rio Iguassú. Holotype: FMNH 54240.

Distribution: Paraná River basin, Brazil (Lundberg & Littmann, 2003).

***Pimelodus paranaensis*** Britski & Langeani, 1988

*Pimelodus paranaensis* Britski & Langeani, 1988: 410, figs. 1–2. Type locality: Ilha Solteira, Rio Paraná, SP [Brazil]. Holotype: MZUSP 23089.

Distribution: Upper Paraná River basin, Brazil (Lundberg & Littmann, 2003).

***Pimelodus pictus*** Steindachner, 1877

*Pimelodus pictus* Steindachner, 1877a: 144. Type locality: aus dem Amazonenstrom auf peruanischen Gebiete, und

aus dem Hyavary. Syntypes: NMW 45859 (3).

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

***Pimelodus platicirris*** Borodin, 1927

*Pimelodus platicirris* Borodin, 1927c: 2. Type locality: Salto de Pirassunungo, Rio Mogy Guassu, São Paulo Prov., Brazil. Holotype: AMNH 8628.

Distribution: Paraná River basin, Brazil; known only from the holotype (Lundberg & Littmann, 2003).

***Pimelodus punctatus*** (Meek & Hildebrand, 1913)

*Megalonema punctatum* Meek & Hildebrand, 1913: 77. Type locality: Río Tuyra, Boca de Cupe, Panama. Holotype: FMNH 7577.

*Megalonema robustum* Meek & Hildebrand, 1913: 78. Type locality: Río Tuyra, Marriganti, Panama. Holotype: FMNH 7578.

Distribution: Tuirá River basin, Panama (Lundberg & Littmann, 2003).

***Species inquirendae, Pimelodus***

*Pimelodus rigidus* Spix & Agassiz, 1829: 19, pl. 7 (fig. 2). Type locality: Brazil aequatoriali. Holotype: Whereabouts unknown (Kottelat, 1988).

*Pseudariodes pantherinus* Lütken, 1874b: 192. Type locality: Caracas. Syntypes: BMNH 1876.1.10.10 (1), NMW 45851 (1), USNM 44970 (1), ZMUC P 29640 (1), ZMUC P 29641 (1), ZMUC P 29642 (1).

*Piramutana macrospila* Günther, 1880a: 10, pl. 2. Type locality: Rio de la Plata. Holotype: BMNH 1878.9.10.14.

**PINIRAMPUS** Bleeker, 1858

*Pinirampus* Bleeker, 1858b: 198. Type species: *Pimelodus pinirampus* Agassiz [= *Pimelodus pirinampu* Spix & Agassiz, 1829]. Type by monotypy. Gender: Masculine.

*Pirinampus* Günther, 1864: 135. Type species: *Pimelodus pirinampu* Spix & Agassiz, 1829. Type by being a replacement name. Gender: Masculine. Unjustified emendation of *Pinirampus* Bleeker, 1858.

*Perugia* Eigenmann & Norris, 1900: 355. Type species: *Pirinampus* [sic] *agassizii* Steindachner, 1876. Type by original designation. Gender: Feminine.

***Pirinampus pirinampu*** (Spix & Agassiz, 1829)

*Pimelodus barbancho* Humboldt, in Humboldt & Valenciennes, 1821: 172. Type locality: Guarico, l'Apure et d'autres rivières des steppes de Venezuela. Holotype: at MNHN.

*Pimelodus pirinampu* Spix & Agassiz, 1829: 20, pl. 8. Type locality: Brasiliae fluviis. Type(s): Whereabouts unknown (Kottelat, 1988).

*Pimelodus insignis* Jardine, in Schomburgk, 1841: 180, pl. 6. Type locality: Rio Branco [Brazil]. No types known.

*Galeichthys araguayensis* Castelnau, 1855: 37, pl. 17 (fig. 3). Type locality: Rio Araguay [Brazil]. Holotype: MNHN a-9366 (mounted).

*Pinirampus typus* Bleeker, 1862 (in Bleeker, 1862–63): 11. Type locality: Brasiliae fluviis. Type(s): Whereabouts unknown. Unneeded replacement for *Pimelodus pinirampus* Spix & Agassiz, 1829, apparently to avoid Stricklandian tautonymy.

*Pirinampus Agassizii* Steindachner, 1876: 607, pl. 12. Type locality: Pará [Brazil]. Holotype: NMW 45955.

Distribution: Amazon, Essequibo, Orinoco, and Paraná River basins (Lundberg & Littmann, 2003).

Remarks: *Pimelodus barbancho* treated here as a *nomen oblitum*, following Lundberg & Littmann (2003).

**PLATYNEMATICHTHYS** Bleeker, 1858

*Platynematichthys* Bleeker, 1858b: 356. Type species: *Bagrus punctulatus* Kner, 1857. Type by monotypy. Gender: Masculine.

*Platypogon* Starks, 1913: 28. Type species: *Platypogon caerulorostris* Starks, 1913. Type by monotypy. Gender: Masculine.

***Platynematichthys notatus*** (Jardine, 1841)

*Pimelodus notatus* Jardine, in Schomburgk, 1841: 181, pl. 7. Type locality: Fort St. Joaquim on the Rio Branco [Bra-

zil]. No types known.

*Bagrus punctulatus* Kner, 1857: 380. Type locality: Forte do Principe am Rio Guaporé und Rio branco [Brazil]. Holotype: at NMW. Preoccupied by *Bagrus punctulatus* Castelnau, 1855; replaced by *Bagrus nigropunctatus* Kner, 1858.

*Bagrus nigropunctatus* Kner, 1858: 345. Type locality: Forte do Principe am Rio Guapore und Rio branco [Brazil]. Holotype: at NMW. Replacement for *Bagrus punctulatus* Kner, 1857; preoccupied by *Bagrus punctulatus* Castelnau, 1855.

*Platypogon caerulorostris* Starks, 1913: 29, pl. 5. Type locality: Brazil, Pará. Holotype: SU 22228. Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

**PLATYSILURUS** Haseman, 1911

*Platysilurus* Haseman, 1911a: 320. Type species: *Platysilurus barbatus* Haseman, 1911. Type by monotypy. Gender: Masculine.

***Platysilurus malarmo*** Schultz, 1944

*Platysilurus malarmo* Schultz, 1944c: 234, fig. 3g, pl. 3 (fig. c). Type locality: Venezuela, Lago Maracaibo near the mouth of the Río Concho. Holotype: USNM 121179.

Distribution: Lake Maracaibo basin (Lundberg & Littmann, 2003).

***Platysilurus mucosus*** (Vaillant, 1880)

*Platystoma mucosa* Vaillant, 1880b: 151. Type locality: à Caldéron (Haute-Amazone). Holotype: MNHN a-1955.

*Duoplatinus goeldii* Steindachner, 1908b: 65. Type locality: Rio Purus [Brazil]. Holotype: at NMW.

*Platysilurus barbatus* Haseman, 1911: 320, pl. 52. Type locality: São Antonio de R. Madeira [Brazil]. Holotype: FMNH 60306.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

***Platysilurus olallae*** (Orcés, 1977)

*Duoplatinus olallae* Orcés, 1977: 78, fig. 4. Type locality: el bajo Bobonaza [Ecuador]. Holotype: at MEPN (132 mm, catalog number not stated).

Distribution: Ecuador.

Remarks: Not treated in Lundberg & Littmann (2003).

**PLATYSTOMATICHTHYS** Bleeker, 1862

*Platystomatichtys* Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Platystoma sturio* Kner, 1857. Type by original designation. Gender: Masculine.

***Platystomatichtys sturio*** (Kner, 1857)

*Platystoma sturio* Kner, 1857: 395, pl. 3 (figs. 9–9a). Type locality: Rio branco [Brazil]. Holotype: at NMW.

Distribution: Amazon River basin (Lundberg & Littmann, 2003).

**PROPIMELODUS** Lundberg & Parisi, 2002

*Propimelodus* Lundberg & Parisi, 2002: 77. Type species: *Pimelodus eigenmanni* van der Stigchel, 1946. Type by original designation.

***Propimelodus eigenmanni*** (van der Stigchel, 1946)

*Pimelodus eigenmanni* van der Stigchel, 1946: 64. Type locality: Brazil. Holotype: RMNH 15465. Preoccupied by *Pimelodus eigenmanni* Boulenger, 1891 [now *Pimelodella eigenmanni*, in the Heptapteridae]; apparently not replaced.

Distribution: Amazon, Approuague, Kourou, and Oyapock River basins (Lundberg & Littmann, 2003).

Remarks: *Pimelodus eigenmanni* is tentatively treated as valid, despite being a junior primary homonym, following Art. 23.9.5 of the Code of Zoological Nomenclature. Redescribed in Lundberg & Parisi (2002).

**PSEUDOPLATYSTOMA** Bleeker, 1862

*Pseudoplatystoma* Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Silurus fasciatus* Linnaeus, 1766. Type by original designation. Gender: Neuter.

*Hemiplatystoma* Bleeker, 1862 (in Bleeker, 1862–63): 10. Type species: *Platystoma tigrinum* Valenciennes, 1840.

Type by original designation. Gender: Neuter.

Remarks: Eigenmann & Eigenmann (1888b) serve as first revisers in giving precedence to *Pseudoplatystoma* over *Hemiplatystoma*.

***Pseudoplatystoma corruscans*** (Spix & Agassiz, 1829)

*Platystoma corruscans* Spix & Agassiz, 1829: 26 [pl. 13]. Type locality: in flumine S. Francisci [Brazil]. Holotype: Whereabouts unknown (Kottelat, 1988). As *Sorubim caparary* on plate.

*Sorubim caparary* Spix in Spix & Agassiz, 1829: pl. 13. Type locality: in flumine S. Francisci [Brazil]. Holotype: Whereabouts unknown (Kottelat, 1988). Name available from caption on plate.

*Platystoma coruscans* Valenciennes, in Cuvier & Valenciennes, 1840b: 17 (13 in the Strasbourg deluxe edition). Misspelling or emendation of *Platystoma corruscans* Spix & Agassiz.

*Silurus macrocephalus* Larrañaga, 1923: 386. Type locality: Uruguay. No types known. Appears to correspond to *Silurus mangrullo* on p. 377, which is a *nomen nudum*.

Distribution: São Francisco and Paraná River basins (Lundberg & Littmann, 2003)

Remarks: Agassiz (in Spix & Agassiz, 1831: conspectus) serves as first reviser in giving precedence to *Platystoma corruscans* over *Sorubim caparary*.

***Pseudoplatystoma fasciatum*** (Linnaeus, 1766)

*Silurus fasciatus* Linnaeus, 1766: 505. Type locality: Brasilia, Surinami. Holotype: Whereabouts unknown.

*Platystoma artedii* Günther, 1864: 106. Type locality: South America. Syntypes: On *Mystus* no. 6 in Seba (1734–65: 84, pl. 29, fig. 6) and *Mystus* no. 386 of Gronovius (1784: pl. 125).

*Pseudoplatystoma fasciatum intermedium* Eigenmann & Eigenmann, 1888b: 138. Type locality: Obidos. Holotype: MCZ 7321.

*Pseudoplatystoma fasciatum brevefile* Eigenmann & Eigenmann, 1889b: 31. Type locality: Goyaz [Brazil]. Holotype: MCZ 7317.

*Pseudoplatystoma fasciatum reticulatum* Eigenmann & Eigenmann, 1889b: 30. Type locality: Rio Negro [Brazil]. Holotype: MCZ 23813.

*Pseudoplatystoma fasciatum nigricans* Eigenmann & Eigenmann, 1889b: 31. Type locality: Xingu. Syntypes (2): MCZ 7301 (1), MCZ 7311 (1).

Distribution: Amazon, Corantijn, Essequibo, Orinoco, and Paraná River basins (Lundberg & Littmann, 2003); Magdalena River basin (Maldonado-Ocampo *et al.*, 2005).

***Pseudoplatystoma tigrinum*** (Valenciennes, 1840)

*Platystoma truncatum* Spix & Agassiz, 1829: 27, pl. 13a. Type locality: Brazil, Japurá and Solimoen. Type (s): Whereabouts unknown (Kottelat, 1988).

*Platystoma tigrinum* Valenciennes, in Cuvier & Valenciennes, 1840b: 10 (8 of Strasbourg deluxe edition), pl. 422. Type locality: probablement originaire du Brésil. Holotype: MNHN a-9354 (mounted).

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

Remarks: Synonymy follows Lundberg & Littmann (2003) which differs from most previous accounts, in which *Platystoma truncatum* was treated as a synonym of *Pseudoplatystoma fasciatum*. Because of this, *Platystoma truncatum* became the senior synonym for a widely used *Pseudoplatystoma tigrinum*. *P. truncatum* was treated as a *nomen oblitum* in Lundberg & Littmann (2003), but without supporting documentation. Use of *P. truncatum* as a valid name has not been found in surveyed compilations of late 19<sup>th</sup> or 20<sup>th</sup> century and, therefore, the use of *P. tigrinum* as valid is continued here.

***Species inquirendae, Pseudoplatystoma***

*Platystoma pardalis* Valenciennes, 1836, in Valenciennes, 1835–47: pl. 4 (fig. 2). Type locality: Buenos Aires, Argentina. Holotype: MNHN a-8833. Name available from plate, mentioned in Valenciennes (1847: 6), as *Platystoma panthale*. Described in Cuvier & Valenciennes (1840b: 15 (12 of Strasbourg deluxe edition)), as *Platystoma pardale*.

*Platystoma orbignianus* Valenciennes, 1836, in Valenciennes, 1835–47: pl. 4 (fig. 3). Type locality: Brazil. Holotype: MNHN b-0160. Name available from plate, description in Valenciennes (1847: 6), as *Platystoma orbignyanum*.

Description in Cuvier & Valenciennes (1840b: 12, [9 of Strasbourg deluxe edition]).

*Platystoma panthale* Valenciennes, 1847: 6. Type locality: [Not stated]. Holotype: MNHN a-8833. New name proposed for *Platystoma pardalis* Valenciennes, 1836, without explanation.

*Platystoma punctifer* Castelnau, 1855: 40, pl. 19 (fig. 2). Type locality: de l' Amazone. Holotype: MNHN 0000-1582.

### **SORUBIM** Cuvier, 1829

*Sorubim* Cuvier, 1829: 293. Type species: *Silurus lima* Bloch & Schneider, 1801. Type by subsequent designation, apparently by Kottelat (1988). Gender: Masculine.

*Platystoma* Spix & Agassiz, 1829: 23. Type species: *Silurus lima* Bloch & Schneider, 1801. Type by subsequent designation by Jordan (1917: 131). Gender: Neuter. Preoccupied by *Platystoma* Meigen, 1803 (Diptera).

*Sorubim* Spix & Agassiz, 1829: 24. Type species: *Silurus lima* Bloch & Schneider, 1801. Type by subsequent designation by Bleeker (1862–63: 10). Gender: Masculine. First appeared in synonymy of *Platystoma* Spix & Agassiz and therefore not available, but made available because of use as a valid name by Bleeker (1862–63: 10) [ICZN art. 11.6.1]. Preoccupied by *Sorubim* Cuvier, 1829.

*Sorubium* Swainson, 1838: 356. Type species: *Silurus lima* Bloch & Schneider, 1801. Type by being a replacement name. Unneeded replacement for *Sorubim* Spix & Agassiz, 1829.

*Abron* Gistel, 1848: X. Type species: *Silurus lima* Bloch & Schneider, 1801. Type by being a replacement name. Gender: Neuter. Replacement for *Platystoma* Valenciennes [= Spix & Agassiz, 1829].

Remarks: *Sorubim* was apparently adopted by Cuvier (1829) from the Spix & Agassiz (1829) manuscript, but the name was published first in the former book.

Revision: Littmann (1998).

### ***Sorubim cuspicaudus*** Littmann, Burr & Nass, 2000

*Sorubim cuspicaudus* Littmann, Burr & Nass, 2000: 903, fig. 2b, 3, 4c. Type locality: Colombia, Departamento de Tolima, Río Magdalena drainage, at Puerto Soplaviento. Holotype: FMNH 56223.

Distribution: Magdalena and Sinu River basins, Colombia, and Lake Maracaibo (Lundberg & Littmann, 2003).

### ***Sorubim elongatus*** Littmann, Burr, Schmidt & Isern, 2001

*Sorubim elongatus* Littmann, Burr, Schmidt & Isern, 2001: 4, fig. 2. Type locality: Peru: Departamento Loreto, Maynas Province, Ullpa Caño, 50 m upstream of confluence with Moena Caño, Río Itaya drainage, Río Amazonas basin (approx. 3°46'20"S 73°14'17"W). Holotype: SIUC 30303.

Distribution: Amazon, Essequibo, and Orinoco River basins (Lundberg & Littmann, 2003).

### ***Sorubim lima*** (Bloch & Schneider, 1801)

*Silurus lima* Bloch & Schneider, 1801: 384. Type locality: in flumine Maranham Brasiliae. Holotype: ZMB 3185 (stuffed).

*Sorubim infraoculare* Spix, in Spix & Agassiz, 1829: pl. 15. Type locality: Brasiliae aequatorialis fluviis. Holotype: Whereabouts unknown (Kottelat, 1988). Name available from caption on plate.

*Platystoma Luceri* Weyenbergh, 1877: 10, pl. 3 (figs. 1–3). Type locality: Santa-Fe [Argentina]. Holotype: Whereabouts unknown.

*Sorubim latirostris* Miranda Ribeiro, 1920: 14, pl. 12. Type locality: Amazonas [Brazil]. Holotype: MNRJ 631.

Distribution: Amazon, Orinoco, Paraná and Parnaíba River basin (Lundberg & Littmann, 2003).

### ***Sorubim maniradii*** Littmann, Burr & Buitrago-Suárez, 2001

*Sorubim maniradii* Littmann, Burr & Buitrago-Suárez, 2001: 88, fig. 1. Type locality: Ecuador, Napo State, Río Yasuni, Río Napo drainage, 0°59'06"S 75°25'36"W. Holotype: FMNH 108814.

Distribution: Amazon River basin (Lundberg & Littmann, 2003).

### ***Sorubim trigonocephalus*** Miranda Ribeiro, 1920

*Sorubim trigonocephalus* Miranda Ribeiro, 1920: 12, pls. 10, 11. Type locality: Porto Velho [Brazil]. Holotype: MNRJ 882.

Distribution: Madeira and Tapajós River basins, Brazil (Lundberg & Littmann, 2003).

### **SORUBIMICHTHYS** Bleeker, 1862

*Sorubimichthys* Bleeker, 1862, in Bleeker, 1862–63: 10. Type species: *Sorubim jandia* Spix & Agassiz, 1829. Type

by original designation. Gender: Masculine.

*Pteroglanis* Eigenmann & Pearson, in Pearson, 1924: 9. Type species: *Pteroglanis manni* Eigenmann & Pearson, 1924. Type by monotypy. Gender: Masculine.

***Sorubimichthys planiceps*** (Spix & Agassiz, 1829)

*Platystoma planiceps* Spix & Agassiz, 1829: 25, pl. 12. Type locality: Brazil: in fluminae Amazonum, Solimoëns, Rio Negro. Possible syntype or lectotype: MHNN 811(Kottelat, 1988).

*Sorubim Pirauáca* Spix, in Spix & Agassiz, 1829: pl. 12. Type locality: Brazil: in fluminae Amazonum, Solimoëns, Rio Negro. Possible holotype: MHNN 811(Kottelat, 1988). Name available from caption on plate; as *Platystoma planiceps* in text.

*Sorubim jandia* Spix & Agassiz, 1829: pl. 14. Type locality: equatorialis fluviis [Brazil]. Holotype: Whereabouts unknown (Kottelat, 1988). Name available from caption on plate; as *Platystoma spatula* in text.

*Platystoma spatula* Spix & Agassiz, 1829: 26, pl. 14. Type locality: equatorialis fluviis [Brazil]. Types: Whereabouts unknown (Kottelat, 1988).

*Sorubimichthys ortoni* Gill, 1870: 94. Type locality: Marañon, or Upper Amazon, and Napo Rivers. Holotype: USNM 8238.

*Pteroglanis manni* Eigenmann & Pearson, in Pearson, 1924: 9, pl. 1 (fig. 1). Type locality: Bolivia, Little Rio Negro, tributary to Rio Beni. Holotype: CAS 59623.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

Remarks: Lundberg *et al.* (1989) reviewed the nomenclature of this species. Agassiz (in Spix & Agassiz, 1831: conspectus) serves as first reviser in treating *Platystoma planiceps* as valid over *Sorubim Pirauáca*, and *Platystoma spatula* over *Sorubim jandia*. Precedence of *Platystoma planiceps* over *Platystoma spatula* may be by action of Lundberg *et al.* (1989).

**STEINDACHNERIDION** Eigenmann & Eigenmann, 1919

*Steindachneria* Eigenmann & Eigenmann, 1888b: 137. Type species: *Steindachneria amblyurus* Eigenmann & Eigenmann, 1888. Type by original designation. Gender: Feminine. Preoccupied by *Steindachneria* Goode & Bean, 1888 (in fishes), replaced by *Steindachneridion* Eigenmann & Eigenmann, 1919.

*Steindachneridion* Eigenmann & Eigenmann, 1919: 525. Type species: *Steindachneria amblyurus* Eigenmann & Eigenmann, 1888. Type by being a replacement name. Gender: Neuter. Replacement for *Steindachneria* Eigenmann & Eigenmann, 1888.

Revision, with key to species: Garavello (2005).

***Steindachneridion amblyurum*** (Eigenmann & Eigenmann, 1888)

*Steindachneria amblyurus* Eigenmann & Eigenmann, 1888b: 137. Type locality: Jequitinhonha [Brazil]. Syntypes (2, 35–38 cm): MCZ 7324 (2).

Distribution: Jequitinhonha River basin, Brazil (Garavello, 2005).

***Steindachneridion doceana*** (Eigenmann & Eigenmann, 1889)

*Steindachneria doceana* Eigenmann & Eigenmann, 1889b: 30. Type locality: Rio Doce [Brazil]. Syntypes (9): MCZ 23792 (1), MCZ 23793 (1), MCZ 23794 (7); one syntype illustrated in Garavello (2005: 614, fig. 6).

Distribution: Doce River basin, Brazil (Garavello, 2005).

† ***Steindachneridion iheringi*** (Woodward, 1899)

† *Arius iheringi* Woodward, 1899: 64, pl. 2 (fig. 1), pl. 3 (fig. 2). Type locality: Taubaté, Estado do São Paulo, Brazil; Tertiary Lignite. Syntypes: BMNH P.9220 (skull), Museu Paulista (nearly complete specimen), Senckenberg Museum (partial specimen).

Distribution: Paraíba River basin, Estado do São Paulo, Brazil; Tertiary (Santos, 1973).

Remarks: Species assigned to the Pimelodidae and the genus *Steindachneridion* by Santos (1973).

***Steindachneridion melanodermatum*** Garavello, 2005

*Steindachneridion melanodermatum* Garavello, 2005: 618, fig. 9. Type locality: Brazil, Paraná State, municipality of Quedas do Iguaçu, rio Iguaçu, down river of the Salto Osório dam (approx. 25°35'S 53°05'W). Holotype: MZUSP 87983.

Distribution: Iguaçu River, upper Paraná River Basin, Brazil (Garavello, 2005).

***Steindachneridion parahybae*** (Steindachner, 1877)

*Platystoma Parahybae* Steindachner, 1877b: 640, pl. 9. Type locality: Rio Parahyba bei Juiz de Fora; Rio Jequitinhonha [Brazil]. Syntypes: MCZ 25521 (1, skeleton), MCZ 7295 (1), MCZ 7323 (2), NMW (?).

Distribution: Paraíba do Sul River basin, Brazil (Garavello, 2005).

Remarks: Garavello (2005: 610) incorrectly reported the catalog number of one lot of the types as MCZ 73231. Redescribed in Oliveira & de Moraes (1997).

***Steindachneridion punctatum*** (Miranda Ribeiro, 1918)

*Steindachneria scripta punctata* Miranda Ribeiro, 1918d: 642. Type locality: Itaqui, Rio Grande do Sul [Brazil]. Holotype: MNRJ 1167. Originally *Steindachneria scripta* var. *punctata*.

Distribution: Upper Uruguay and Paraná River basin, Brazil (Garavello, 2005).

***Steindachneridion scriptum*** (Miranda Ribeiro, 1918)

*Steindachneria scripta* Miranda Ribeiro, 1918d: 640. Type locality: Itaqui [Rio Grande do Sul, Brazil]. Lectotype: MZUSP 2286, designated by Britski (1969).

Distribution: Upper Paraná and Uruguay River basins, Brazil (Garavello, 2005).

† ***Steindachneridion silvasantosi*** Figueiredo & Costa-Carvalho, 1999

† *Steindachneridion silvasantosi* Figueiredo & Costa-Carvalho, 1999: 685, figs. 1–4. Type locality: Tremembé Formation, Lacustrine sedimentary deposit that outcrops in the mine Nossa Mina Senhora da Guia, Tremembé county, city of Taubaté, São Paulo State [Brazil]; Tertiary (? Oligocene). Holotype: DGM 1291-P; partial skull, including neurocranium and suspensorium.

Distribution: Paraíba River basin, São Paulo State, Brazil; Tertiary (Figueiredo & Costa-Carvalho, 1999).

**ZUNGARO** Bleeker, 1858

*Zungaro* Bleeker, 1858b: 196. Type species: *Zungaro humboldtii* Bleeker [= *Pimelodus zungaro* Humboldt, 1821]. Type by absolute tautonymy. Gender: Masculine.

*Paulicea* Ihering, 1898: 108. Type species: *Paulicea jahu* Ihering, 1898. Type by subsequent designation by Eigenmann (1910). Gender: Feminine.

Remarks: Generic synonymy based on Silfvergrip (1992: 306).

***Zungaro jahu*** (Ihering, 1898)

*Paulicea jahu* Ihering, 1898: 108. Type locality: Sao Paulo [Brazil]. Types: Whereabouts unknown.

Distribution: Paraná-Paraguay River basin (Lundberg & Littmann, 2003).

***Zungaro zungaro*** (Humboldt, 1821)

*Pimelodus zungaro* Humboldt, in Humboldt & Valenciennes, 1821: 170, pl. 46 (fig. 1). Type locality: Tomependa, Río Marañón [Amazon River basin, Peru]. Holotype: Whereabouts unknown.

*Bagrus flavicans* Castelnau, 1855: 31, pl. 13 (fig. 2). Type locality: Brazil, l'Amazone. Holotype: MNHN a-8823 (mounted).

*Zungaro humboldtii* Bleeker, 1858b: 207. Type locality: Tomedenda, Río Marañón [Amazon River basin, Peru]. Holotype: Whereabouts unknown. Unneeded replacement name for *Pimelodus zungaro*, presumably to avoid tautonymy.

*Platystoma Lütkeni* Steindachner, 1876: 609, pl. 13. Type locality: Laufe des Amazonenstromes gefangen. Syntypes: at NMW.

Distribution: Amazon and Orinoco River basins (Lundberg & Littmann, 2003).

**ZUNGAROPSIS** Steindachner, 1908

*Zungaropsis* Steindachner, 1908b: 67. Type species: *Zungaropsis multimaculatus* Steindachner, 1908. Type by monotypy. Gender: Feminine.

***Zungaropsis multimaculatus*** Steindachner, 1908

*Zungaropsis multimaculatus* Steindachner, 1908b: 67. Type locality: Rio Xingu. Holotype: NMW 43537.

Remarks: Considered to be a valid species, in a genus near to *Zungaro* by A. Silfvergrip (pers. commun., 2003).



### ***Species inquirenda, Pimelodidae***

*Pimelodus (Bagrus) maculatus* Jardine, in Schomburgk, 1841: 175, fig. Type locality: Most rivers of Guyana, also Rio Negro and Amazon River. No types known. Preoccupied by *Pimelodus maculatus* La Cepède, 1803.

### **PLOTOSIDAE Bleeker, 1858**

Plotosichthyoidei Bleeker, 1858b: 49, 310. Type genus: *Plotosus* La Cepède, 1803.

Taxonomic summaries: Taylor & Gomon (1986, Africa); Tilak (1970a, South Asia); Hoese & Hanley, in Paxton *et al.* (1989, Australia).

Reviews: Allen (1989, Australia); Allen (1991, New Guinea); Ferraris (1999a, western central Pacific).

Identification guide: Jayaram (1982, South Asia).

Remarks: Whitley (1940b: 407) noted that the names *Plotosus laticeps*, *Copidoglanis labiosus*, *Copidoglanis labrosus*, *Copidoglanis levis* and *Copidoglanis curtus*, all found in Saville-Kent (1889), are *nomina nuda* and therefore unavailable. The name *Plotosus flavolineatus* found in Whitley (1941a: 311) is also a *nomen nudum* and not available.

10 genera, 35 species; no named fossil taxa.

### ***Incertae sedis***

*Plotosus argenteus* Zietz, 1896

*Plotosus argenteus* Zietz, 1896: 410, pl. 16 (fig. 7). Type locality: Barcoo River, Finke River at Hermannsburg and Idracowra, and in Plam Creek and Ilpilla Creek, [Central Australia]; [restricted to Cooper Creek, near Innamincka, (which is apparently the locality listed by Zeitz (1896:411) as Barcoo River) by lectotype designation]. Lectotype: SAMA F1090, designated by Unmack (2001: 57).

Distribution: Cooper Creek, Bulloo and Finke Rivers, internal drainage system, Australia (Allen, 1989).

Remarks: Treated in recent literature as valid either as *Neosilurus argenteus* or *Porochilus argenteus*.

*Copidoglanis rendahli* Whitley, 1928

*Copidoglanis obscurus* Rendahl, 1922: 173, fig. 5. Type locality: Glencoe, Hermit Hill, nw. Australia. Lectotype: ZMUO J6341, designated by Pethon (1969: 5). Preoccupied by *Copidoglanis obscurus* Günther, 1864, replaced by *Copidoglanis rendahli* Whitley, 1928.

*Copidoglanis rendahli* Whitley, 1928: 214. Type locality: Glencoe, Hermit Hill, N.W. Australia. Lectotype: ZMUO J6341 designated by Pethon (1969: 5) for *Copidoglanis obscurus* Rendahl. Replacement for *Copidoglanis obscurus* Rendahl 1922; preoccupied by *Copidoglanis obscurus* Günther, 1864.

Distribution: Widely distributed in northern Australia in isolated localities, including Fitzroy, Ord, Jardin Rivers, and streams of Arnhem Land (Allen, 1989).

Remarks: Treated in recent literature as valid either as *Neosilurus rendahli* or *Porochilus rendahli*.

**ANODONTIGLANIS** Rendahl, 1922

*Anodontiglanis* Rendahl, 1922: 168. Type species: *Anodontiglanis dahli* Rendahl, 1922. Type by original designation. Gender: Masculine.

***Anodontiglanis dahli*** Rendahl, 1922

*Anodontiglanis dahli* Rendahl, 1922: 169, figs. 2–3. Type locality: Glencoe, Northern Territory, Australia. Holotype: ZMUO J361.

Distribution: Northern Australia, including Fitzroy, Daly, East Alligator, Roper, Mitchell and Archer Rivers (Allen, 1989), in lentic and lotic freshwater habitats (Paxton *et al.*, 1989).

**CNIDOGLANIS** Günther, 1864

*Cnidoglanis* Günther, 1864: 27. Type species: *Plotosus megastomus* Richardson, 1845. Type by subsequent designation by Jordan (1919b: 332). Gender: Masculine.

*Choeroplotosus* Kner, 1866: 545. *Choeroplotosus decemfilis* Kner, 1867. Type by subsequent monotypy. Name appeared first without an available species name. Also described as new in Kner (1867: 300). Gender: Masculine.

*Neoplotosus* Castelnau, 1875: 45. Type species: *Neoplotosus waterhousii* Castelnau, 1875. Type by monotypy. Gender: Masculine.

*Ostophycephalus* Ogilby, 1899: 155. Type species: *Ostophycephalus duriceps* Ogilby, 1899. Type by original designation. Gender: Masculine.

Remarks: Eschmeyer & Bailey (1990: 92) interpreted the availability of *Choeroplotosus* as follows: "In 1866: 545, Kner listed one species as, "*Choeroplotosus limbatus* (*Plotos. limbatus* ? C. V.)", but in 1867 (p. 300) he described the species as *Choeroplotosus decemfilis* n. sp., with "Syn.? an *Plotosus limbatus* C. V. Apparently the genus can date to Kner (1866: 545) with no definitely-included named species, with species added in 1867."

#### ***Cnidoglanis macrocephalus* (Valenciennes, 1840)**

*Plotosus macrocephalus* Valenciennes, in Cuvier & Valenciennes, 1840b: 428 (317 in Strasbourg deluxe edition), pl. 449. Type locality: prise à Timor [in error, possibly for Tasmania, Australia]. Holotype: MNHN a-8921.

*Plotosus megastomus* Richardson, 1845, in Richardson, 1844–48: 31, pl. 21 (figs. 1–3). Type locality: Sydney Cove; Australia. Holotype: BMNH 1974.5.22.1.

*Choeroplotosus decemfilis* Kner, 1867: 300, pl. 12 (fig. 1 [as *Choeroplotosus limbatus*]). Type locality: Von Sidney. Syntypes (2): NMW 47098 (1), NMW 47100 (1).

*Cnidoglanis bostockii* Castelnau, 1873: 140. Type locality: Fremantle, Western Australia. Syntypes (2): Whereabouts unknown.

*Neoplotosus waterhousii* Castelnau, 1875: 45. Type locality: Adelaide, South Australia. Holotype: MNHN a-9545.

*Ostophycephalus duriceps* Ogilby, 1899: 156. Type locality: St. Vincent's Gulf, South Australia. Holotype: SAMA F1093.

Distribution: Kirra, Queensland to Jervis Bay, New South Wales, and Kingston, South Australia to Houtman Abrolhos Islands, Western Australia and Duck River, Tasmania, in near-shore and reef habitats (Paxton *et al.*, 1989).

Remarks: Kowarsky (1976) discussed the valid name for, and distribution of, this species.

#### ***EURISTHMUS* Ogilby, 1899**

*Euristhmus* Ogilby, 1899: 154. Type species: *Plotosus elongatus* Castelnau, 1878. Type by original designation. Gender: Masculine.

*Exilichthys* Whitley, 1933: 65. Type species: *Cnidoglanis nudiceps* Günther, 1880. Type by original designation. Gender: Masculine.

#### ***Euristhmus lepturus* (Günther, 1864)**

*Cnidoglanis lepturus* Günther, 1864: 28. Type locality: Sydney, New South Wales [Australia]. Syntypes (2, one stuffed): BMNH 1864.1.17.33 (1).

*Plotosus elongatus* Castelnau, 1878a: 237. Type locality: Brisbane River [Queensland, Australia]. Holotype: Whereabouts unknown [possibly MNHN a-2783].

Distribution: Exmouth Gulf, Western Australia to Sydney, New South Wales, and New Guinea, in freshwater, estuarine and near-shore marine habitats (Paxton *et al.*, 1989; Allen, 1997: 60).

#### ***Euristhmus microceps* (Richardson, 1845)**

*Plotosus microceps* Richardson, 1845, in Richardson, 1844–48: 31, pl. 21 (figs. 4–7). Type locality: North-west coast of Australia. Holotype: BMNH 1846.3.3.2.

*Cnidoglanis microcephalus* Günther, 1864: 28. Type locality: North-west coast of Australia. Holotype: BMNH 1846.3.3.2. Unjustified emendation of *Plotosus microceps* Richardson, 1845.

Distribution: Shark Bay to Broome, Western Australia, in near-shore habitats over soft bottoms (Paxton *et al.*, 1989).

#### ***Euristhmus nudiceps* (Günther, 1880)**

*Cnidoglanis nudiceps* Günther, 1880b: 49. Type locality: Arafura Sea. Holotype or lectotype: BMNH 1879.5.14.590; illustrated in Weber & de Beaufort (1913: 232).

Distribution: Shark Bay, Western Australia to Brisbane Queensland, Australia, in near-shore habitats over soft bottoms (Paxton *et al.*, 1989); also New Guinea (Allen, 1997: 60).

Remarks: Paxton *et al.* (1989: 223) list a holotype for *Cnidoglanis nudiceps*, but the Natural History Museum in London lists a second specimen (BMNH 1890.2.26.165) from the Challenger Expedition taken in the Arafura Sea that may also have been examined by Günther. There is no evidence in the original description whether more than one specimen was examined. Therefore, even if the second specimen was originally a syntype, it would have been rendered a paralectotype by the de facto lectotype designation in Paxton *et al.* (1989).

**NEOSILUROIDES** Allen & Feinberg, 1998

*Neosiluroides* Allen & Feinberg, 1998: 11. *Neosiluroides cooperensis* Allen & Feinberg, 1998. Type by original designation. Gender: Masculine.

***Neosiluroides cooperensis*** Allen & Feinberg, 1998

*Neosiluroides cooperensis* Allen & Feinberg, 1998: 12, fig. 2. Type locality: Callamurra Waterhole, Coopers Creek, 11.3 km east of Innamincka, South Australia, ca. 27°41'S, 140°51'E. Holotype: AMS I.18699-001.

Distribution: Coopers Creek system, Lake Eyre drainage (Allen & Feinberg, 1998).

**NEOSILURUS** Steindachner, 1867

*Neosilurus* Steindachner, 1867a: 7. Type species: *Neosilurus hyrtlii* Steindachner, 1867. Type by monotypy. Gender: Masculine. Also appeared as new in Steindachner (1867d: 11).

*Neosilurus* Castelnau, 1878a: 238. Type species: *Neosilurus australis* Castelnau, 1878. Type by monotypy. Gender: Masculine. Preoccupied by *Neosilurus* Steindachner, 1867, in fishes; replaced by *Cainosilurus* Macleay, 1881.

*Eumeda* Castelnau, 1878b: 143. Type species: *Eumeda elongata* Castelnau, 1878. Type by monotypy. Gender: Feminine.

*Cainosilurus* Macleay, 1881: 211. Type species: *Neosilurus australis* Castelnau, 1878. Type by being a replacement name. Gender: Masculine. Replacement for *Neosilurus* Castelnau, 1878; preoccupied by *Neosilurus* Steindachner, 1867.

*Lambertia* Perugia, 1894: 550. Type species: *Lambertia atra* Perugia, 1894. Type by monotypy. Gender: Feminine. Preoccupied by *Lambertia* Robineau-Desvoidy, 1863, in Diptera; replaced by *Lambertichthys* Whitley, 1938.

*Anyperistius* Ogilby, 1908: 3, 11. Type species: *Anyperistius perugiae* Ogilby, 1908. Type by original designation. Gender: Masculine. Spelled two ways originally: *Anyperistius* and *Anyperisteus*. First reviser apparently Eschmeyer & Bailey (in Eschmeyer, 1990) who selected *Anyperistius*.

*Lambertichthys* Whitley, 1938: 223. Type species: *Lambertia atra* Perugia, 1894. Type by being a replacement name. Gender: Masculine. Replacement for *Lambertia* Perugia, 1894; preoccupied by *Lambertia* Robineau-Desvoidy, 1863, in Diptera.

***Neosilurus ater*** (Perugia, 1894)

*Lambertia atra* Perugia, 1894: 551. Type locality: Inawi, Papuasias orientales. Syntypes: MSNG 1663 (1), MSNG 8140 (1, missing), ZMA 113360 (1).

*Neosilurus mediobarbis* Ogilby, 1908: 12. Type locality: ? Queensland, Australia. Holotype: QM (lost: Paxton *et al.*, 1989).

*Lambertichthys ater sepikensis* Whitley, 1956b: 68. Type locality: Upper Sepik River, New Guinea. Holotype: AMS IA.7278; illustrated in Whitley (1956a: 44, fig. 4).

Distribution: Northern Australia and central-southern New Guinea; in freshwater (Allen, 1989).

***Neosilurus brevidorsalis*** (Günther, 1867)

*Copidoglanis brevidorsalis* Günther, 1867a: 66. Type locality: Nicol Bay, Cape York, Queensland, Australia. Holotype: BMNH 1867.5.13.11.

*Anyperistius perugiae* Ogilby, 1908: 11. Type locality: Inawe, St. Joseph River, New Guinea. Type(s): at MSNG and/or BMNH 1965.1.26.1 (1). Based on specimen(s) identified by Perugia (1894: 552) as *Eumeda elongata* (not of Castelnau).

*Neosilurus bartoni* Regan, 1908c: 153. Type locality: Sogeri, New Guinea. Syntypes: BMNH 1905.8.15.9–10 (2).

Distribution: Cape York Peninsula, northern Australia, and central-southern New Guinea; in streams, turbid backwaters, and lagoons (Allen, 1989).

Remarks: BMNH 1965.1.26.1 was sent to BMNH on exchange from MSNG and is apparently a type of *Anyperistius*

*perugiae* Ogilby, 1908.

***Neosilurus coatesi*** (Allen, 1985)

*Tandanus coatesi* Allen, 1985: 252, fig. 3. Type locality: Ninar River, ca. 6 km west of Maprik, Papua New Guinea, ca. 3°37'S, 143°00'E. Holotype: WAM P.27839-007.

Distribution: Sepik River basin, in streams of Torracelli Mountains (Allen *et al.*, 1992).

***Neosilurus equinus*** (Weber, 1913)

*Copidoglanis equinus* Weber, 1913: 527, fig. 11. Type locality: Lorentz-Fluss [New Guinea]. Syntypes (13): ZMA 111105 (7), ZMA 111106 (1), ZMA 111107 (4), ZMA 111108 (2).

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

***Neosilurus gjellerupi*** (Weber, 1913)

*Copidoglanis gjellerupi* Weber, 1913: 528. Type locality: Kaiserin Augusta-fluss [New Guinea]. Holotype: ZMA 111091.

Distribution: Ramu River basin, Papua New Guinea (Allen *et al.*, 1992) and northern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

Remarks: The name *Copidoglanis papuensis* that is found in the caption of figures 11 and 12 in Hase (1914: 540) appears to have been published accidentally inasmuch as the species account indicates that the specimens were regarded as having been identified as *Copidoglanis gjellerupi* (Weber, 1913). This was treated by Eschmeyer *et al.* (1998: 1283) as unavailable, because it was not treated as the valid name of a species when proposed.

***Neosilurus gloveri*** Allen & Feinberg, 1998

*Neosilurus gloveri* Allen & Feinberg, 1998: 13, fig. 3. Type locality: Main Spring, Dalhousie Springs, South Australia, ca. 26°25'S, 135°30'E. Holotype: SAMA F.4159.

Distribution: Dalhousie artesian springs, Finke River basin, southern Australia (Allen & Feinberg, 1998).

***Neosilurus hyrtlilii*** Steindachner, 1867

*Neosilurus Hyrtlilii* Steindachner, 1867d: 14, pl. 1 (figs. 3–3a). Type locality: Fitzroy-Flusse bei Rockhampton, Ost-Australien. Syntypes: NMW 45340 (5), NMW 45341 (2).

*Silurichthys australis* Castelnau, 1875: 45. Type locality: Cape York [Queensland, Australia]. Holotype: Whereabouts unknown.

*Neosilurus australis* Castelnau, 1878a: 239. Type locality: Freshwater lagoons of Rockhampton, Queensland, Australia. Holotype: Whereabouts unknown.

*Eumeda elongata* Castelnau, 1878b: 144. Type locality: Brisbane River, Rockhampton [Queensland, Australia]. Holotype: MNHN a-2173.

*Neosilurus robustus* Ogilby, 1908: 13. Type locality: Keppel Bay, Queensland, Australia. Holotype: Whereabouts unknown, not at QM.

*Copidoglanis glencoensis* Rendahl, 1922: 170, fig. 4. Type locality: Glencoe R., nw. Australia. Lectotype: ZMUO J5254; Lectotype designated by Pethon (1969: 4).

*Neosilurus mortoni* Whitley, 1941b: 7, fig. 7. Type locality: Yam Creek (nine miles from Brock's Creek, railway line south from Darwin) Northern Territory of Australia. Holotype: AMS IA.4824.

Distribution: Widely distributed in northern Australia; in freshwater (Allen, 1989).

***Neosilurus idenburgi*** (Nichols, 1940)

*Copidoglanis idenburgi* Nichols, 1940: 1. Type locality: Bernhard Camp (altitude 75 meters), Idenburg River, Netherland New Guinea. Holotype: AMNH 15034.

Distribution: Ramu River basin, Papua New Guinea (Allen, 1992) and northern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

***Neosilurus mollespiculum*** Allen & Feinberg, 1998

*Neosilurus mollespiculum* Allen & Feinberg, 1998: 16, fig. 6. Type locality: Running River, Burdekin River system, Queensland, ca. 19°07'S, 145°50'E, Australia. Holotype: QM I.30685.

Distribution: Isdell, Carson, Drysdale, Katherine, Fergusson, and Burdekin Rivers, northern Australia (Allen & Feinberg, 1998).

***Neosilurus novaeguineae*** (Weber, 1907)

*Copidoglanis novae-guineae* Weber, 1907: 226. Type locality: Sentani-See, Nord-Neu-Guinea. Syntypes (13):

FMNH 52388 (1), NMW 46696 (1), RMNH 7980 (1), ZMA 112670 (8).

*Copidoglanis novae-guineae niger* Nichols, 1940: 1. Type locality: Bernhard Camp (altitude 75 meters), Idenburg River, Netherland New Guinea. Holotype: AMNH 15035.

Distribution: Ramu River basin, Papua New Guinea (Allen *et al.*, 1992) and northern Papua (formerly Irian Jaya), New Guinea (Allen, 1996).

***Neosilurus pseudospinosus*** Allen & Feinberg, 1998

*Neosilurus pseudospinosus* Allen & Feinberg, 1998: 15, figs. 4–5. Type locality: Rocky pool of Ord R. on Old Lissadel Station, Kimberley Dist., Western Australia, ca. 16°40'S, 128°83'E. Holotype: WAM P.28505-007.

Distribution: Ord River, Western Australia (Allen & Feinberg, 1998).

**OLOPLOTOSUS** Weber, 1913

*Oplotosus* Weber, 1913: 521 Type species: *Oplotosus mariae* Weber, 1913. Type by monotypy. Gender: Masculine.

Key: Allen (1985; 1991).

***Oplotosus luteus*** Gomon & Roberts, 1978

*Oplotosus luteus* Gomon & Roberts, in Roberts, 1978: 47, fig. 25. Type locality: Shallow, turbid backwater of Ok Tedi and lowermost half km of small tributary about 16 km NE of Nigerum, 915 km upriver from Toro Pass, 5°34.1'S, 141°15.0'E; Fly River, Papua New Guinea. Holotype: AMS I.27093-001.

Distribution: Upper Fly River, New Guinea (Roberts, 1978).

***Oplotosus mariae*** Weber, 1913

*Oplotosus Mariae* Weber, 1913: 522, fig. 3. Type locality: Lorentz-Fluss, Sabang; Lorentz-Fluss, Alkmaar [New Guinea]. Syntypes (5): AMNH 9500 (1), ZMA 111103 (1), ZMA 111104 (2).

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

***Oplotosus torobo*** Allen, 1985

*Oplotosus torobo* Allen, 1985: 248, fig. 1. Type locality: Soro River at n. end of Lake Kutubu, ca. 4 km east of Moro landing strip, Papua New Guinea, ca. 6°23'S, 143°15'E, 0–3 m. Holotype: WAM P.28158-003.

Distribution: Soro River, Papua New Guinea (Allen, 1985).

**PARAPLOTOSUS** Bleeker, 1863

*Paraplotosus* Bleeker, 1863 (in Bleeker, 1862–63): 100. Type species: *Plotosus albilabris* Valenciennes, 1840. Type by monotypy. Gender: Masculine.

*Endorrhis* Ogilby, 1898b: 283. Type species: *Copidoglanis longifilis* Macleay, 1881. Type by original designation. Gender: Feminine.

Revision: Allen (1998).

***Paraplotosus albilabris*** (Valenciennes, 1840)

*Plotosus albilabris* Valenciennes, in Cuvier & Valenciennes, 1840b: 427 (316 in Strasbourg deluxe edition). Type locality: Batavia. Holotype: MNHN a-9544.

*Plotosus macrophthalmus* Bleeker, 1846a: 179. Type locality: Batavia. Syntypes (size and number not stated): Whereabouts unknown.

*Copidoglanis longifilis* Macleay, 1881: 207. Type locality: Long Island, Torres Strait, Queensland, Australia. Syntypes: AMS I.16269-001 (2).

Distribution: Indo-Australian Archipelago, New Guinea and Australia; often in coral reef habitats (Allen, 1998).

***Paraplotosus butleri*** Allen, 1998

*Paraplotosus butleri* Allen, 1998: 129, fig. 3. Type locality: Near Broome, ca. 17°58'S, 122°14'E, Western Australia. Holotype: WAM P.27368-021.

Distribution: Northern Australia, in coastal reefs (Allen, 1998).

***Paraplotosus muelleri*** (Klunzinger, 1880)

*Cnidoglanis mülleri* Klunzinger, 1880: 411. Type locality: Port Darwin [Australia]. Holotype: SMNS 2519.

Distribution: Dampier Archipelago to the eastern Gulf of Carpentaria, northern Australia; in turbid coastal reefs (Allen, 1998).

**PLOTOSUS** La Cepède, 1803

*Plotosus* La Cepède, 1803: 129. Type species: *Platystacus anguillaris* Bloch, 1794. Type by monotypy. Gender: Masculine.

*Deportator* Gistel, 1848: X. Type species: *Platystacus anguillaris* Bloch, 1794. Type by being a replacement name. Gender: Masculine. Unneeded replacement for *Plotosus* La Cepède, 1803, which was considered by Gistel to be preoccupied by *Plotus* Linnaeus, 1766, in Aves.

Remarks: *Plotosis* (in Duméril, 1856: 340), *Plotoseus* (in Lesson, 1826, in Lesson 1826–31: pl. 31, 1831: 435) and *Plotosius* (in Siebold, 1846: 228) are incorrect subsequent spellings of *Plotosus* and not available names.

Key: Gomon & Taylor (1982).

***Plotosus canius*** Hamilton, 1822

*Plotosus canius* Hamilton, 1822: 142, 374, pl. 15 (fig. 44). Type locality: rivers of the southern parts of Bengal. No types known.

*Plotosus unicolor* Valenciennes, in Cuvier & Valenciennes, 1840b: 426 (316 in Strasbourg deluxe edition). Type locality: Java. Holotype: MNHN a-8924.

*Plotosus viviparus* Bleeker, 1846a: 182. Type locality: Batavia. Syntypes (size and number not stated): possibly RMNH 8066 (1), RMNH 15875 (6), SMNS 10624 (1).

*Plotosus horridus* Bleeker, 1846a: 183. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.

*Plotosus multiradiatus* Bleeker, 1846a: 183. Type locality: Batavia. Type (s) (size and number not stated): Whereabouts unknown.

Distribution: Coastal regions of Thailand, Sundaland, Sulawesi, Moluccas, and India, and into lower Mekong River (Kottelat, 2001b).

Remarks: Synonymy based on Bleeker (1862–63: 99). *Plotosus caesius* in Cuvier (1829, 1836, etc.) and Hyrtl (1859: 5, 6, 17) are considered to be incorrect spellings for *P. canius* and not the proposal of an available name. *Silurus unitius* of Hora (1933: 133) is not available, as it was not treated as a valid species.

***Plotosus fisadoha*** Ng & Sparks, 2002

*Plotosus fisadoha* Ng & Sparks, 2002: 565, fig. 1. Type locality: Madagascar: southeastern coast of Fanarantsoa Province; Farafangana market. Holotype: UMMZ 235269.

Distribution: Southeastern Madagascar (Ng & Sparks, 2002).

***Plotosus limbatus*** Valenciennes, 1840

*Plotosus limbatus* Valenciennes in Cuvier & Valenciennes, 1840b: 422 (313 in Strasbourg deluxe edition). Type locality: Côte de Malabar ... Pondichéry; [restricted to Malabar by lectotype designation]. Lectotype: MNHN a-9546, designated by Gomon & Taylor (1982: 9).

*Copidoglanis obscurus* Günther, 1864: 26. Type locality: Probably from Australia. Holotype: BMNH 1852.9.13.164.

Distribution: Western Indian Ocean and Arabian Sea, in marine and brackish waters (Taylor & Gomon, 1986).

***Plotosus lineatus*** (Thunberg, 1787)

*Silurus lineatus* Thunberg, 1787: 31, footnote 13. Type locality: [East Indian Seas]. Type(s): ZMUC P 28555. Described in more detail and illustrated in Thunberg (1791: 191, pl. 6).

*Platystacus anguillaris* Bloch, 1794: 61, pl. 373 (figs. 1, 2). Type locality: Not stated [given as Tranquebar in Bloch & Schneider, 1801]. Lectotype: ZMB 3078, designated by Taylor & Gomon (1986: 160).

*Plotosus thunbergianus* La Cepède, 1803: 693, 694. Type locality: La mer des grandes Indes. Holotype: ZMUC P 28555. Unneeded new name for *Silurus lineatus* Thunberg, 1787.

*Plotoseus ikapor* Lesson, 1826, in Lesson 1826–31: pl. 31, fig. 3. Type locality: baie d'Offeach de l'île de Waigiou. Holotype: Whereabouts unknown. Name made available by figure caption, with illustrated specimen the holotype; described in Lesson (1831: 132).

*Plotosus marginatus* Bennett, 1830: 691. Type locality: Sumatra. Syntype: BMNH 1855.12.26.452 (1).

*Plotosus vittatus* Swainson, 1839: 307. Type locality: Not stated [given as Tranquebar in Bloch & Schneider, 1801]. Unneeded new name for *Platystacus anguillaris* Bloch. Based on "Bl. 373, fig. 1" [= Bloch (1794: pl. 373 (fig. 1))].

*Plotosus castaneus* Valenciennes, in Cuvier & Valenciennes, 1840b: 421 (312 in Strasbourg deluxe edition). Type locality: Mahé sur la côte malabare. Holotype: MNHN a-8929.

*Plotosus lineatus* Valenciennes in Cuvier & Valenciennes, 1840b: 412 (306 in the Strasbourg deluxe edition). Type locality: la mer des Indes ... la mer Rouge ... la Séchelles ... la côte de Malabar, Trincomalé, Pondichéry, Amboine ... Célèbes, îles des Amis, îles de la Société, Macao ... Philippines. Syntypes: MNHN a-8930 (1), MNHN a-8931 (2), MNHN a-8932 (10 or 11), MNHN a-8936 (1). Preoccupied in *Plotosus* by *Silurus lineatus* Thunberg, 1787.

*Plotosus castaneoides* Bleeker, 1851f: 490. Type locality: Rio [=Riouw], in mari. Syntypes (2, 160–170 mm TL): at RMNH.

*Plotosus arab* Bleeker, 1862a: 111. Type locality: Not stated [given as Tranquebar in Bloch & Schneider, 1801]. Syntypes: at MNHN, ZMB 3078 (1), ZMB 3079 (1). Name made available by reference to *Plotosus anguillaris* of La Cépède (1803: 130, pl. 3 fig. 2), which is based on specimens and *Platystacus anguillaris* Bloch, 1794.

*Plotosus brevibarbus* Bessednov, 1967: 446, fig. 3. Type locality: 21°10' c. ш, 108°30' в. д, 29 m [Gulf of Tonkin, South China Sea]. Holotype: Mus. TINRO 3667.

Distribution: Indian Ocean and Western Pacific, in marine waters, but sometimes entering freshwaters in East Africa and Madagascar (Taylor & Gomon, 1986); eastern Mediterranean (Golani, 2002).

Remarks: The name *Silurus Arab* in Forsskål (1775: xvi) is not available (M. Kottelat, pers. commun.). The name *Plotosus malignus* appears in the account of *Plotosus lineatus* Valenciennes, but it not treated as valid and is therefore not available from that publication. The name does not appear to have been treated as valid subsequently. See Smith (1941) for nomenclatural comments regarding this species.

***Plotosus nkunga* Gomon & Taylor, 1982**

*Plotosus nkunga* Gomon & Taylor, 1982: 3, pl. 1. Type locality: South Africa, Transkei, Bashee River (32°15'S, 28°55'E). Holotype: SAM 18457.

Distribution: Southern Africa from Boknes to Boteler Point, and possibly to Zanzibar, in marine waters but also entering freshwater (Taylor & Gomon, 1986).

***Plotosus papuensis* Weber, 1910**

*Plotosus papuensis* Weber, 1910: 228. Type locality: Lorentz-Fluss [New Guinea]. Syntypes: FMNH 52494 (1), ZMA 111093–97 (5), ZMA 111098–100 (5), ZMA 111513 (1).

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

***Species inquirenda, Plotosus***

*Plotosus abbreviatus* Boulenger, 1895a: 247. Type locality: Mouth of Baram River, Sarawak. Holotype: BMNH 1894.8.3.35.

***POROCHILUS* Weber, 1913**

*Porochilus* Weber, 1913: 523. Type species: *Porochilus obbesi* Weber, 1913. Type by monotypy. Gender: Masculine.

***Porochilus meraukensis* (Weber, 1913)**

*Copidoglanis meraukensis* Weber, 1913: 529. Type locality: Merauke, Süd-Neu Guinea. Syntypes: RMNH 10865 (1), ZMA 111092 (1).

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

***Porochilus obbesi* Weber, 1913**

*Porochilus Obbesi* Weber, 1913: 523, figs. 4–5. Type locality: Lorentz-Fluss, ... bei Sabang, New Guinea. Syntypes (6): ZMA 111101 (3), ZMA 111102 (1), RMNH 10864 (1).

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

***TANDANUS* Mitchell, 1838**

*Tandanus* Mitchell, 1838: 95. Type species: *Plotosus (Tandanus) tandanus* Mitchell, 1838. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Plotosus*.

*Copidoglanis* Günther, 1864: 25. Type species: *Plotosus (Tandanus) tandanus* Mitchell, 1838. Type by subsequent

designation by Jordan (1919b: 332) with name was misprinted *Copiodoglanis*. Gender: Masculine.

***Tandanus bostocki*** Whitley, 1944

*Plotosus unicolor* Castelnau, 1873: 141. Type locality: Interior of Western Australia. Syntype: NMV 51851 (1). Preoccupied by *Plotosus unicolor* Valenciennes, 1840, replaced by *Tandanus bostocki* Whitley, 1944.

*Tandanus bostocki* Whitley, 1944: 260. Type locality: Interior of Western Australia. Syntype: NMV 51851 (1). Replacement for *Plotosus unicolor* Castelnau, 1873, preoccupied by *Plotosus unicolor* Valenciennes, 1840.

Remarks: The statement in Whitley (1944: 260) that designates a holotype for the species is in error, since he clearly states elsewhere that *Tandanus bostocki* is intended to replace the preoccupied name of Castelnau and, thereby, takes the same specimen as holotype.

Distribution: Coastal drainages of southwestern Australia, from the Frankland River to Moore River (Allen, 1989).

***Tandanus tandanus*** (Mitchell, 1838)

*Plotosus (Tandanus) tandanus* Mitchell, 1838: 44, 95, pl. 5 (fig. 2). Type locality: Lagoon near Tangulda, Namoi River, New South Wales; river between Gwydir River and MacIntyre River, New South Wales. No types known.

Distribution: Murray-Darling River system and coastal drainages of eastern Australia (Allen, 1989).

Remarks: See Musyl & Keenan (1996) for comments on populational variation that may represent unrecognized additional species.

***Species inquirenda, Plotosidae***

*Plotosus nigricans* Valenciennes, in Cuvier & Valenciennes, 1840b: 412, 417 (310 in Strasbourg deluxe edition). Type locality: Not stated. Holotype: at MNHN (skeleton). Species name mentioned in generic account as well as account of *Plotosus lineatus*. Reference made to published comments about the skeleton by Cuvier in Regne Animal, which are adequate to act as an indication, even though Valenciennes never provides a more complete treatment of the species. Gomon & Taylor (1982: 10), disagree and treated the name as a *nomen nudum*, but later argue that a specimen previously treated as the holotype of the species, MNHN a-9433, must not be considered as one of the “original type-specimens.”

**PSEUDOPIMELODIDAE Lundberg, Bornbusch & Mago-Leccia, 1991**

Pseudopimelodinae Lundberg, Bornbusch & Mago-Leccia, 1991: 204. Type genus: *Pseudopimelodus* Bleeker, 1858.

Remarks: The name Pseudopimelodidae was proposed first by Fernández-Yépez & Martín Salazar (1953) in a manner that made the name available when published, but was rendered unavailable in Art. 13 of the Second Edition of the Code (ICZN, 1961). The name apparently remains unavailable, despite Art. 13.2.1 of the current version of the Code (ICZN, 1999), because the name was treated as unavailable in Ferraris & de Pinna (1999: 8).

Taxonomic summary: Shibatta (2003a).

Phylogeny: Shibatta (1998, 2003b).

5 genera, 29 species; no named fossil taxa.

***BATROCHOGLANIS*** Gill, 1858

*Batrochoglanis* Gill, 1858: 389. Type species: *Pimelodus raninus* Valenciennes, 1840. Type by original designation. Gender: Masculine.

Remarks: *Batrachoglanis*, first used in Gill (1861c), is either a misspelling or unjustified emendation of *Batrochoglanis* Gill, 1858.

***Batrochoglanis acanthochiroides*** (Güntert, 1942)

*Pseudopimelodus acanthochiroides* Güntert, 1942: 29. Type locality: Santander, Colombia. Syntypes: NMBA 5277–78 (2).

*Pseudopimelodus villosus butcheri* Schultz, 1944c: 199, pl. 1 (fig. b). Type locality: Río San Juan near bridge south of Mene Grande, tributary to Rio Motatán, Maracaibo basin, Venezuela. Holotype: USNM 121270.

Distribution: Catatumbo River basin in Lake Maracaibo drainage (Shibatta, 2003a).



***Batrochoglanis melanurus*** Shibatta & Pavanelli, 2005

*Batrochoglanis melanurus* Shibatta & Pavanelli, 2005: 23, figs. 1–2. Type locality: Córrego Cancela, affluent of rio Cuiabá, rio Paraguai basin; 14°42.501S/ 56°15.850W; Nobres; State of Mato Grosso; Brazil. Holotype: MZUSP 87240.

Distribution: Cuiabá River, Paraguay River basin, Mato Grosso. Brazil (Shibatta & Pavanelli, 2005).

***Batrochoglanis raninus*** (Valenciennes, 1840)

*Pimelodus raninus* Valenciennes, in Cuvier & Valenciennes, 1840b: 157 (117 in the Strasbourg deluxe edition), pl. 434. Type locality: La Mana ... Rio-Janéiro. Syntypes: MNHN a-9942 (3).

*Pseudopimelodus acanthochirus* Eigenmann & Eigenmann, 1888b: 122. Type locality: Brazil. Syntypes (5): MCZ 8133 (1), MCZ 8157 (1), MCZ 7732 (2), MCZ 7332 (1).

Distribution: Amazon River basin (Shibatta, 2003a).

***Batrochoglanis transmontanus*** (Regan, 1913)

*Pseudopimelodus transmontanus* Regan, 1913d: 467. Type locality: Condoto ..., San Juan and the Tamana ..., and the Durango, W. Ecuador. Syntypes (9): BMNH 1910.7.11.104, BMNH 1910.7.11.105, BMNH 1913.10.1.36, BMNH 1902.5.27.37–40.

Distribution: Baudó, San Juan, Patia and Durango River basins, Pacific slope drainages (Shibatta, 2003a).

***Batrochoglanis villosus*** (Eigenmann, 1912)

*Pseudopimelodus villosus* Eigenmann, 1912b: 152, fig. 32, pl. 10 (fig. 1). Type locality: Potaro Landing, British Guiana. Holotype: FMNH 53219.

Distribution: Demerara, Essequibo, Orinoco and Amazon River basins (Shibatta, 2003a).

**CEPHALOSILURUS** Haseman, 1911

*Cephalosilurus* Haseman, 1911a: 317. Type species: *Cephalosilurus fowleri* Haseman, 1911. Type by monotypy. Gender: Masculine.

***Cephalosilurus albomarginatus*** (Eigenmann, 1912)

*Pseudopimelodus albomarginatus* Eigenmann, 1912b: 153, pl. 11 (fig. 1). Type locality: Tukeit, British Guiana. Holotype: FMNH 53221.

Distribution: Tukeit, Guyana (Shibatta, 2003a).

***Cephalosilurus apurensis*** (Mees, 1978)

*Pseudopimelodus apurensis* Mees, 1978b: 253, pl. 1. Type locality: Río Arichuna, near San Pedro, Rincón hondo, Apure, Venezuela. Holotype: RMNH 27644.

Distribution: Arichuna River basin, Apure State, Venezuela (Shibatta, 2003a).

***Cephalosilurus fowleri*** Haseman, 1911

*Cephalosilurus fowleri* Haseman, 1911a: 317, pl. 46. Type locality: Rio São Francisco, Cidade de Barra, Bahia, Brazil. Holotype: FMNH 54254.

Distribution: São Francisco River basin, Brazil (Shibatta, 2003a).

***Cephalosilurus nigricaudus*** (Mees, 1974)

*Pseudopimelodus nigricauda* Mees, 1974: 218, figs. 37d, 38d; pls. 11–12. Type locality: Sipaliwini, Suriname. Holotype: RMNH 26739.

Distribution: Sipaliwini River basin, Suriname (Shibatta, 2003a).

**LOPHIOSILURUS** Steindachner, 1877

*Lophiosilurus* Steindachner, 1877a: 154. Type species: *Lophiosilurus alexandri* Steindachner, 1877. Type by monotypy. Gender: Masculine.

***Lophiosilurus alexandri*** Steindachner, 1877

*Lophiosilurus Alexandri* Steindachner, 1877a: 154, pl. 15. Type locality: Aus Brasilien, wahrscheinlich aus dem Amazonenstromen. Holotype: NMW 46123.

*Pseudopimelodus Agassizi* Steindachner, 1880b: 61. Type locality: Aus Brasilien, wahrscheinlich aus dem Amazonenstromen. Holotype: NMW 46123. Unneeded new name, or *lapsus calami* for *Lophiosilurus alexandri* Steindachner, 1877, originally written as *Pseudop. Agassizi*.

Distribution: São Francisco River basin, Brazil (Shibatta, 2003a).

Remarks: See Pinto & Marzulo (1975) for comments on morphology.

**MICROGLANIS** Eigenmann, 1912

*Microglanis* Eigenmann, 1912b: 130, 155. Type species: *Microglanis poecilus* Eigenmann, 1912. Type by original designation. Gender: Masculine.

Key: Bertaco & Cardoso (2005), and Shibatta & Benine (2005), southern Brazil.

***Microglanis ater*** Ahl, 1936

*Microglanis ater* Ahl, 1936: 109. Type locality: Brazil. Holotype: ZMB 20932.

Distribution: Brazil (Shibatta, 2003a).

***Microglanis cibela*** Malabarba & Mahler, 1998

*Microglanis cibela* Malabarba & Mahler, 1998: 249, figs. 1, 4–6. Type locality: arroio do Ouro, Rio Maquiné, between Maquiné and Barra do Ouro, Rio Grande do Sul, Brasil. Holotype: MZUSP 48653.

Distribution: Coastal drainages in northern Rio Grande do Sul and Santa Catarina States, Brazil (Shibatta, 2003a; Bertaco & Cardoso, 2005).

***Microglanis cottoides*** (Boulenger, 1891)

*Pimelodus (Pseudopimelodus) cottoides* Boulenger, 1891: 233, pl. 25 (fig. 2). Type locality: Rio Camaquã, Rio Grande do Sul, Brazil. Syntypes: BMNH 1891.3.16.36–45 and BMNH 1891.3.16.106 (lots combined, 12 specimens) and BMNH 1889.8.24.5 (1).

Distribution: Laguna dos Patos and Uruguay River basins, Brazil (Shibatta, 2003a; Bertaco & Cardoso, 2005).

***Microglanis eurystoma*** Malabarba & Mahler, 1998

*Microglanis eurystoma* Malabarba & Mahler, 1998: 248, fig. 3. Type locality: Rio Uruguay, Itá, Santa Catarina, Brazil. Holotype: MCP 13405.

Distribution: Upper Uruguay River basin, Brazil (Shibatta, 2003a; Bertaco & Cardoso, 2005).

***Microglanis garavello*** Shibatta & Benine, 2005

*Microglanis garavello* Shibatta & Benine, 2005: 580, figs. 1–2. Type locality: Brazil, Paraná: Taquari stream, 23°12'24"S 50°56'50"W, Município de Jataizinho. Holotype: MZUSP 88006.

Distribution: Parapanema and Tietê River basins, Brazil (Shibatta & Benine, 2005).

***Microglanis iheringi*** Gomes, 1946

*Microglanis iheringi* Gomes, 1946: 9, pl. 1. Type locality: Río Turmero, Aragua, Venezuela. Holotype: FMNH 35350.

Distribution: Turmero River basin, Venezuela (Shibatta, 2003a).

***Microglanis malabarbai*** Bertaco & Cardoso, 2005

*Microglanis malabarbai* Bertaco & Cardoso, 2005: 62, fig. 2. Type locality: arroio Albino, tributary of rio Ijuí (rio Uruguay drainage), 28°08'10"S, 54°55'28"W, São Pedro do Butiá, Rio Grande do Sul, Brazil. Holotype: MCP 35941.

Distribution: Middle Uruguay River basin, Brazil (Bertaco & Cardoso, 2005).

***Microglanis nigripinnis*** Bizerril & Perez-Neto, 1992

*Microglanis nigripinnis* Bizerril & Perez-Neto, 1992: 97, figs. 1–2. Type locality: Brazil, Estado do Rio de Janeiro, rio Macacu, Município de Cachoeira do Macacu, Cidade de Papucaia. Holotype: MZUSP 42308.

Distribution: Macacu River basin in Rio de Janeiro State, Brazil (Shibatta, 2003a).

***Microglanis parahybae*** (Steindachner, 1880)

*Pseudopimelodus Parahybae* Steindachner, 1880b: 60 footnote, pl. 1 (figs. 2–2b). Type locality: Rio Parahyba und von Santa Cruz [Brazil]. Syntypes: MCZ 8161 (25), MCZ 8162 (6), NMW 44433 (9), NMW44436 (1).

Distribution: Paraíba do Sul River basin, Brazil (Shibatta, 2003a).

***Microglanis pellopterygius*** Mees, 1978

*Microglanis pellopterygius* Mees, 1978b: 256, pl. 2. Type locality: Tributary stream of Río Aguarico at Santa Cecilia, 0°06'N, 76°51'W, Napo, Ecuador. Holotype: ANSP 130437.

Distribution: Aguarico River basin, Ecuador (Shibatta, 2003a).

***Microglanis poecilus*** Eigenmann, 1912

*Microglanis poecilus* Eigenmann, 1912b: 155, pl. 12 (fig. 2). Type locality: Below Packeoo Falls, British Guiana.  
Holotype: FMNH 46365.

Distribution: Essequibo River basin and rivers of French Guiana (Shibatta, 2003a).

***Microglanis secundus* Mees, 1974**

*Microglanis secundus* Mees, 1974: 235, fig. 40 e; pl. 14. Type locality: Sipaliwini, Suriname. Holotype: RMNH 26525.

Distribution: Catatumbo River basin; Venezuela and Colombia; Sipaliwini River basin, Suriname (Shibatta, 2003a).

***Microglanis variegatus* Eigenmann & Henn, 1914**

*Microglanis variegatus* Eigenmann & Henn, in Eigenmann, Henn & Wilson, 1914: 14. Type locality: Near Vinces, Ecuador. Holotype: CAS 17971; holotype illustrated in Eigenmann (1922b: 33, pl. 2, figs. 3–4).

Distribution: Forest pool near Vinces, Ecuador (Shibatta, 2003a).

***Microglanis zonatus* Eigenmann & Allen, 1942**

*Microglanis zonatus* Eigenmann & Allen, 1942: 89, pl. 3 (figs. 1–2). Type locality: Rio Morona (?). Holotype: CAS 17970.

Distribution: Upper Amazon River basin, Peru (Shibatta, 2003a).

***PSEUDOPIMELODUS* Bleeker, 1858**

*Pseudopimelodus* Bleeker, 1858b: 196, 204, 207. Type species: *Pimelodus bufonius* Valenciennes, 1840. Type by subsequent designation by Gill (1861c). Gender: Masculine.

***Pseudopimelodus bufonius* (Valenciennes, 1840)**

*Pimelodus Bufonius* Valenciennes, in Cuvier & Valenciennes, 1840b: 154 (115 in the Strasbourg deluxe edition). Type locality: Cayenne. Holotype: RMNH (lost).

Distribution: Rivers of northeastern South America from Lake Maracaibo basin to eastern Brazil (Shibatta, 2003a) and Magdalena and Cauca River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Pseudopimelodus charus* (Valenciennes, 1840)**

*Pimelodus charus* Valenciennes, in Cuvier & Valenciennes, 1840b: 159 (118 in the Strasbourg deluxe edition). Type locality: Rio Sabara [Brazil]. No types known; description based on an unpublished illustration, reproduced in Mees (1974, frontispiece).

Distribution: São Francisco River basin, Brazil (Shibatta, 2003a).

***Pseudopimelodus mangurus* (Valenciennes, 1835)**

*Pimelodus mangurus* Valenciennes, 1835, in Valenciennes, 1835–47: pl. 1 (figs. 4–6). Type locality: Río de la Plata. Possible holotype: MNHN a-8401(1), MNHN a-9417 (1). Name available from caption on plate, so illustrated specimen is the holotype, if identifiable. Described in Cuvier & Valenciennes (1840b: 156 (116 of Strasbourg deluxe edition)), with locality given as Rio-Janéiro.

*Pseudopimelodus roosevelti* Borodin, 1927b: 1, fig. 1. Type locality: Parassununga, Estado São Paulo, Brazil. Holotype: AMNH 8638.

Distribution: Uruguay, Paraná, Paraguay and La Plata River basins (Shibatta, 2003a).

***Pseudopimelodus pulcher* (Boulenger, 1887)**

*Pimelodus (Pseudopimelodus) pulcher* Boulenger, 1887c: 276, pl. 21 (fig. 1). Type locality: Canelos, e. Ecuador. Syntypes: BMNH 1880.12.8.105–107 (3).

*Pseudopimelodus variolosus* Miranda Ribeiro, 1914: 4, pl. 1 (fig. 2), pl. 2 (figs. 1–2). Type locality: Coxim, Rio Taquary, M. Grosso [Brazil]. Lectotype: MNRJ 818A, designated by Miranda Ribeiro (1953: 404).

Distribution: Upper Amazon River basin (Shibatta, 2003a).

***Pseudopimelodus schultzi* (Dahl, 1955)**

*Zungaro zungaro schultzi* Dahl, 1955: 13. Type locality: Cereté, Colombia. Holotype: Whereabouts unknown (possibly at ICNMHN).

Distribution: Magdalena River basin, Colombia (Shibatta, 2003a).

***Species inquirenda, Pseudopimelodidae***

*Zungaro mathisoni* Fernández-Yépez, 1972a: 22, pl. 41. Type locality: Río Yaracuy drainage, Venezuela. Holotype: author's personal collection; whereabouts unknown.

## SCHILBIDAE Bleeker, 1858

Ailichthyoidei Bleeker, 1858b: ix, 49, 248. Type genus: *Ailia* Gray, 1830.

Schilbeini Bleeker, 1858b: 49, 250, 256. Type genus: *Schilbe* Oken, 1817.

Siluranodontinae Regan, 1911: 568. Type genus: *Siluranodon* Bleeker, 1858.

Taxonomic summaries: De Vos (1984b, 1986, Africa).

Reviews: Reizer *et al.* (1980, Senegal), De Vos (1995, Africa); De Vos (1992, West Africa).

Identification guide: Jayaram (1977, South Asia).

Key to genera: Trewavas (1943, Africa); Poll & Gosse (1994, Africa).

Remarks: Although the family group name is often spelled Schilbeidae, the spelling used here, Schilbidae, was considered to be correct by Steyskal (1980: 174) and is followed herein. The monophyly of this family, as currently populated, is unlikely. Species of the Pangasiidae and possibly *Horabagrus* may be nested within the family, and the species of *Neotropius* and *Pseudeutropius* may be more closely related to some species of the Bagridae. See Mo (1991), Pouyaud *et al.* (2000, 2004), Diogo *et al.* (2004) for details. Hardmann (2005) further suggested that African species of the Schilbidae may be more closely related to other African catfishes than to any Asian member of the Schilbidae, in which case the name Ailiidae would be the valid name for the Asian group.

14 genera, 62 species; no named fossil taxa.

### *AILIA* Gray, 1830

*Acanthonotus* Gray, 1830: pl. 85 (fig. 1). Type species: *Silurus (Acanthonotus) cuvieri* Gray, 1830. Type by monotypy. Gender: Masculine. Name made available by figure caption. Originally proposed as a subgenus of *Silurus*. Subsequently published in Gray (1831: 8), but with *Acanthonotus Hardwickii* as the only included species. Pre-occupied by *Acanthonotus* Goldfuss, 1809 (and possibly earlier), in Mammalia.

*Ailia* Gray, 1830: pl. 85 (fig. 2). Type species: *Malapterus (Ailia) bengalensis* Gray, 1830. Type by monotypy. Gender: Feminine. Originally proposed as a subgenus of *Malapterus*. Name made available by caption of plate; text published later in Gray (1831: 8).

*Ailiichthys* Day, 1872: 712. Type species: *Ailiichthys punctata* Day, 1872. Type by monotypy. Gender: Masculine.

Review: Hora (1941); Jayaram (1963).

### *Ailia coila* (Hamilton, 1822)

*Malapterurus coila* Hamilton, 1822: 158, 375. Type locality: Fresh water rivers of Bengal. No types known. Unpublished Hamilton illustration reproduced in Gray (1830: pl. 85, fig. 2), as *Malapterus (Ailia) bengalensis*.

*Malapterus (Ailia) bengalensis* Gray, 1830: pl. 85 (fig. 2). Type locality: India. No types known; name based on previously-unpublished illustration by Hamilton. Name made available by figure caption; brief diagnosis published in Gray (1831: 8), with locality stated as "Rivers Bengal."

*Silurus (Acanthonotus) Cuvieri* Gray, 1830: pl. 85 (fig. 1). Type locality: India. No types known. Name made available by plate legend; text published later in Gray (1831: 8), as *Acanthonotus Hardwickii*.

*Acanthonotus Hardwickii* Gray, 1831: 8 [pl. 85 (fig. 1), of Gray, 1830]. Type locality: India. No types known. Unneeded new name for *Silurus (Acanthonotus) Cuvieri* Gray, 1830.

*Ailia affinis* Günther, 1864: 56. Type locality: Kulu and Assam, India. Syntypes (3, in two lots): BMNH 1860.3.19.867–868 (2), BMNH 2005.5.17.3 (1).

Distribution: Rivers of northern India and Deccan, including Indus, Ganges, Yamuna, Brahmaputra, Mahanadi and Krishna Rivers (Jayaram, 1963).

### *Ailia punctata* (Day, 1872)

*Ailiichthys punctata* Day, 1872: 713. Type locality: Jumna at and below Delhi, also in the lower Punjab rivers. Syntypes: AMS B.7570 (1), BMNH 1889.2.1.2585–87 (3), BMNH 1889.2.1.2588–90 (3), BMNH 1889.2.1.2591 (1, skeleton), BMNH 1889.2.1.2592–93 (2), NMW 47849 (1), NMW 47863 (1), RMNH 2763 (1), ZMB 11213 (1), ZSI 420 (1, lost).

Distribution: Indus, Yamuna and Ganges Rivers, northern India (Jayaram, 1963).

**CLUPISOMA** Swainson, 1838

*Clupisoma* Swainson, 1838: 347, 351, 354. Type species: *Silurus (Clupisoma) argentata* Swainson, 1839. Type by subsequent monotypy. Gender: Neuter. Originally proposed as a subgenus of *Silurus*, without any included species; first species added in Swainson (1839: 306).

*Schilbeichthys* Bleeker, 1858b: 255, 256. Type species: *Silurus garua* Hamilton, 1822. Type by monotypy. Gender: Masculine.

Key to species: Datta & Karmakar (1980).

***Clupisoma bastari*** Datta & Karmakar, 1980

*Clupisoma bastari* Datta & Karmakar, 1980: 193, figs. 1–2. Type locality: Indravati River (a tributary of Godavari River) at Lohandigura, 33 kms west of Jagdalpur, Bastar District, Madhya Pradesh, India. Holotype: ZSI FF1342.

Distribution: Godavari River basin, Madhya Pradesh, India (Jayaram, 1999).

***Clupisoma garua*** (Hamilton, 1822)

*Silurus garua* Hamilton, 1822: 156, 375, pl. 21 (fig. 50). Type locality: Fresh water rivers of the Gangetic provinces. No types known.

*Silurus (Clupisoma) argentata* Swainson, 1839: 306. Type locality: Fresh water rivers of the Gangetic provinces. No types known. Made available by reference to “Ham. pl. 21, f. 50” [= Hamilton, 1822: pl. 21 (fig. 50)]. Unneeded new name for *Silurus garua* Hamilton, 1822.

Distribution: Throughout northern India, but not south of the Mahanadi River, Pakistan, Bangladesh, and Nepal (Jayaram, 1999).

***Clupisoma longianalis*** (Huang, 1981)

*Platytrapius longianalis* Huang, 1981: 438, fig. 5. Type locality: Puer county, Xiaoganlanba, Yunnan, China. Holotype: KIZ 735118.

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

***Clupisoma montana*** Hora, 1937

*Clupisoma montana* Hora, 1937b: 673, figs. 7–8. Type locality: Teesta River, below Darjeeling, India. Type(s): ZSI F 12472/1.

? *Pseudeutropius murius batarensis* Shrestha, 1980: 212, fig. 97. Type locality: Batar, Trisuli river, Nuwakot Dist., Bagmati Zone, Nepal. Holotype (220 mm): at Museum of Zoology Department, Institute of Science, Tribhuvan University, Nepal.

Distribution: Teesta, Jamuna and Sone Rivers, India, Nepal (Jayaram, 1999).

***Clupisoma naziri*** Mirza & Awan, 1973

*Clupisoma naziri* Mirza & Awan, 1973: 152, fig. 2. Type locality: Indus River at Jinnah Barrage, Pakistan. Holotype: GCM 10.

Distribution: NWFP, Punjab, Azad Kashmir, Indus River basin, Pakistan (Mirza, 2003).

***Clupisoma nujiangense*** Chen, Ferraris & Yang, 2005

*Clupisoma nujiangense* Chen, Ferraris & Yang, 2005: 566, fig. 1. Type locality: China, Yunnan Province, Baoshan City, Longling County, Mungnuo Township, Sanjiangkou, Nu Jiang (=Salween River), 24°25'18.6"N, 98°58'21'2"E. Holotype: KIZ 200310118.

Distribution: Upper Salween River, Yunnan, China (Chen *et al.*, 2005).

***Clupisoma prateri*** Hora, 1937

*Clupisoma prateri* Hora, 1937b: 671, fig. 6. Type locality: Burma. Holotype: Asiatic Soc. Bengal 213 or 219 [now at ZSI].

Distribution: Lower and middle reaches of Irrawaddy River, Sittang, Bago and Salween river basins, Myanmar (Ferraris, 2004).

Remarks: Redescribed in Ferraris (2004: 6, fig. 2).

***Clupisoma roosae*** Ferraris, 2004

*Clupisoma roosae* Ferraris, 2004: 2, fig. 1. Type locality: Myanmar, Kachin State, Myitkyina market. Holotype:

NRM 40030.

Distribution: Upper Irrawaddy River basin, Myanmar (Ferraris, 2004).

***Clupisoma sinense*** (Huang, 1981)

*Platytrypius sinensis* Huang, 1981: 437, figs. 1–4. Type locality: Puer county, Xiaoganlanba, Yunnan, China. Holotype: KIZ 735124.

Distribution: Mekong River basin (Rainboth, 1996), including Lancangjiang (= upper Mekong River of Yunnan) (Chu *et al.*, 1999), and Malay Peninsula (Zakaria-Ismail, 1992; Kottelat, 2001b).

Remarks: Placement of this species in *Clupisoma* follows Ng (1999b) and Chen *et al.* (2005).

***EUTROPIICHTHYS*** Bleeker, 1862

*Eutropiichthys* Bleeker, 1862b: 398. Type species: *Pimelodus vacha* Hamilton, 1822. Type by original designation.

Gender: Masculine. Also proposed as new in Bleeker (1862–63: 14).

Revision: Hora (1937e).

***Eutropiichthys burmannicus*** Day, 1877

*Eutropiichthys burmannicus* Day, 1877 (in Day, 1875–78): 490. Type locality: Burma. Possible syntypes: ZSI B.38–39 (2), ZSI B.219 (1, lost), ZSI B.306 (1). Originally as: “Variety *Eutropiichthys burmannicus*,” in the account of *Eutropiichthys vacha*.

Distribution: Irrawaddy, lower Salween and smaller intervening river basins.

***Eutropiichthys murius*** (Hamilton, 1822)

*Pimelodus murius* Hamilton, 1822: 195, 378. Type locality: Mahananda river [Bengal]. No types known. Unpublished Hamilton illustration reproduced in Hora (1929: pl. 22, fig. 2).

*Pachypterus melanurus* Swainson, 1839: 306. Type locality: Mahananda river [Bengal]. No types known. Unneeded new name for *Pimelodus murius* Hamilton, 1822.

Distribution: Northern India, Bangladesh and Pakistan (Jayaram, 1999).

***Eutropiichthys vacha*** (Hamilton, 1822)

*Pimelodus vacha* Hamilton, 1822: 196, 378, pl. 19 (fig. 64). Type locality: Larger fresh water rivers of the Gangetic provinces. No types known.

*Pachypterus punctatus* Swainson, 1839: 306. Type locality: Larger fresh water rivers of the Gangetic provinces. No types known. Made available by reference to “Ham. p. 196, f. 64 ” [= Hamilton, 1822: 196, p. 19, fig. 64)]. Unneeded new name for *Pimelodus vacha* Hamilton, 1822.

Distribution: Northern India, south to the Mahanadi River, Bangladesh, Nepal and Pakistan (Jayaram, 1999).

***IRVINEIA*** Trewavas, 1943

*Irvineia* Trewavas, 1943: 165. Type species: *Irvineia voltae* Trewavas, 1943. Type by monotypy. Gender: Feminine.

***Irvineia orientalis*** Trewavas, 1964

*Irvineia orientalis* Trewavas, 1964: 390, figs. 1, 2, 3 b–c. Type locality: Villaggio Duca delgi Abruzzi, Uebi Scebeli (Shebeli) system. Holotype: MSNG 39551; holotype illustrated in De Vos (1995: 358, fig. 226).

Distribution: Juba-Uebi Shebeli system (De Vos, 1995).

***Irvineia voltae*** Trewavas, 1943

*Irvineia voltae* Trewavas, 1943: 165, fig. 1. Type locality: Above the Senchi Rapids, River Volta, Gold Coast. Syntypes (3): BMNH 1944.2.9.19–21 (3); one syntype illustrated in De Vos (1995: 362, fig. 229).

Distribution: lower Volta River basin (De Vos, 1995).

***LAIDES*** Jordan, 1919

*Lais* Bleeker, 1857b: 473. Type species: *Pangasius hexanema* Bleeker, 1852. Type by monotypy. Gender: Masculine. Preoccupied by *Lais* Gistel, 1848, in Tunicata, replaced by *Laides* Jordan, 1919.

*Laides* Jordan, 1919b: 293. Type species: *Pangasius hexanema* Bleeker, 1852. Type by being a replacement name. Gender: Masculine. Replacement for *Lais* Bleeker, 1857; preoccupied by *Lais* Gistel, 1848, in Tunicata.

***Laides hexanema*** (Bleeker, 1852)

*Pangasius hexanema* Bleeker, 1852d: 588. Type locality: Palembang, Batavia. Syntypes (2, 102–152 mm TL): pos-

sibly BMNH 1863.12.4.1007 (1, 157 mm TL), NMV A928 (1).

Distribution: Thailand to Indonesia, in large rivers, including the Mekong (Rainboth, 1996).

***Laides longibarbis*** (Fowler, 1934)

*Pangasius longibarbis* Fowler, 1934a: 87, fig. 27. Type locality: Me Kong at Chieng Sen, North Siam. Holotype: ANSP 59441.

Distribution: Mekong, Mehklong, and Chao Phraya River basins (Ng, 1999b).

Remarks: Redescribed by Ng (1999b).

**NEOTROPIUS** Kulkarni, 1952

*Pachypterus* Swainson, 1838: 346 et seq. Type species: *Silurus atherinoides* Bloch, 1794. Type by subsequent designation by Swain (1882: 281). Gender: Masculine. Originally without any included species. Species first added in Swainson (1839: 306).

*Neotropius* Kulkarni, 1952: 231. Type species: *Neotropius khavalchor* Kulkarni, 1952. Type by monotypy. Gender: Masculine.

Review: Hora (1941).

Remarks: Swain (1882: 281) and (following Swain) Jordan (1919a: 205) treated *Pachypterus* Swainson as preoccupied in Coleoptera, presumably basing their decision on the following notation in Agassiz (1846: 271): “*Pachypterus Sol. Col.*, 1833.” However, it appears that Agassiz was referring to usage of the name in Dejean, 1834, in which a manuscript by Solier was cited as the source of *Pachypterus*. According to Neave (1940: 515) Dejean’s use of the name was as a *nomen nudum* and *Pachypterus* was not used in a way that would have made it available in Coleoptera until Lucas, 1846, which postdates the first proposal of *Pachypterus*. However, the writings of Swain and Jordan may have stifled use of *Pachypterus* Swainson as valid, and the younger name *Neotropius*, which has been in widespread usage for the past one-half century, is used here. The species listed below are similar overall to those of *Pseudeutropius* and the two genera may not both represent natural groups.

***Neotropius acutirostris*** (Day, 1870)

*Pseudeutropius acutirostris* Day, 1870c: 618. Type locality: Throughout Burma. Syntypes: AMS B.7967 (1), BMNH 1889.2.1.2413 (1), BMNH 1889.2.1.2462 (1), NMW 48327 (1), ZSI F484 (1), ZSI A.505 (1 lost).

Distribution: Irrawaddy, Sittang, and Bago Rivers, Myanmar.

***Neotropius atherinoides*** (Bloch, 1794)

*Silurus atherinoides* Bloch, 1794: 48, pl. 371 (fig. 1). Type locality: Tranquebar. Holotype: ZMB 3013.

*Pimelodus angius* Hamilton, 1822: 180, 377, pl. 29 (fig. 59). Type locality: Rivers of Bengal. No types known.

*Pimelodus urua* Hamilton, 1822: 177, 377. Type locality: Rivers and ponds of the northern parts of Bengal. No types known. Unpublished Hamilton illustration reproduced in Hora (1929: pl. 21, fig. 4).

*Pachypterus trifasciatus* Swainson, 1839: 306. Type locality: Rivers of Bengal. No types known. Name made available by reference to “Ham. P. 180, f. 59” [= Hamilton (1822: 180, pl. 29, fig. 59)]. Unneeded new name for *Pimelodus angius* Hamilton, 1822.

*Pseudeutropius atherinoides walkeri* Chaudhuri, 1912: 444, pl. 41 (fig. 3). Type locality: Siripur, Saran, Bihar [North India]. Syntypes (2): at ZSI. Originally as *Pseudeutropius atherinoides* var. *walkeri*.

Distribution: Widely distributed in India, except for Assam and Kerala; also in Pakistan, Nepal, and Bangladesh (Jayaram, 1999).

***Neotropius khavalchor*** Kulkarni, 1952

*Neotropius khavalchor* Kulkarni, 1952: 232, fig. 1. Type locality: Panchaganga River, near Kolhapur, Bombay State, India. Holotype: ZSI F647/2.

Distribution: Krishna River basin, Maharashtra and Andhra Pradesh, India (Jayaram, 1999).

***Species inquirenda, Neotropius***

*Bagrus Exodon* Cuvier & Valenciennes, in Valenciennes, 1832b: 385, pl. 4 (fig. 1). Type locality: Bengal. Syntypes: MNHN a-8960 (2), MNHN b-0680 (1). Also in Cuvier & Valenciennes (1840a: 395).

**PARAILIA** Boulenger, 1899

*Parailia* Boulenger, 1899b: 105. Type species: *Parailia congica* Boulenger, 1899. Type by monotypy. Gender: Feminine.

*Physailia* Boulenger, 1901e: 445. Type species: *Physailia pellucida* Boulenger, 1901. Type by monotypy. Gender: Feminine.

***Parailia congica*** Boulenger, 1899

*Parailia congica* Boulenger, 1899b: 106, pl. 41 (fig. 2). Type locality: Ebinga (rivière du lac Léopold II). Lectotype: MRAC 942, designated by De Vos (1995: 297).

*Parailia longifilis* Boulenger, 1902d: 37, pl. 10 (fig. 3). Type locality: l'Ubangi à Banzyville. Lectotype: MRAC 1309 (1), designated by De Vos (1995: 295).

Distribution: Congo River basin (De Vos, 1995).

***Parailia occidentalis*** (Pellegrin, 1901)

*Ailia occidentalis* Pellegrin, 1901: 331. Type locality: Cap Lopez, Congo français. Holotype: MNHN 1885-0404.

*Physailia ansorgii* Boulenger, 1910: 557. Type locality: Quanza River at Cunga, Angola. Syntypes (2): BMNH 1911.6.1.107 (1), NMW 45490 (1); NMW syntype illustrated in De Vos (1995: 305, fig. 208).

*Physailia villiersi* Boulenger, 1912b: 17, pl. 17 (fig. 6). Type locality: de la Lucala près de Cabinda, du Chiloango à Mayili, de la Luali à Lundo, et de la Luculla. Syntypes: ANSP 38756–58 (3), BMNH 1912.4.1.419–420 (2), BMNH 1912.4.1.421 (1), BMNH 1912.4.1.422–424 (3), BMNH 1912.4.1.425–429 (5), FMNH 56151 (2), MRAC 1656–1659 (4), MRAC 1660–1661 (2), MRAC 1662 (1), NMW 45489 (16), ZMB 18818 (9).

Distribution: Ogowe, Congo, Quanza, Luculla, Chiloango Rivers (De Vos, 1995).

***Parailia pellucida*** (Boulenger, 1901)

*Physailia pellucida* Boulenger, 1901e: 445. Type locality: Omdurman, Nile River. Syntypes (numerous): BMNH 1907.12.2.1942–1956 (14 or 15), BMNH 1907.12.2.1940–1941 (2), ? MCZ 32074 (1), MNHN 1907-0215 (3), MNHN 1907-0216 (3).

Distribution: Nile River, Chad Basin, several west African river basins (De Vos, 1995).

***Parailia somalensis*** (Vinciguerra, 1897)

*Ailia somalensis* Vinciguerra, 1897: 346. Type locality: Lugh, Fl. Ganana, Somaliland. Syntypes: BMNH 1961.5.3.12 (1), MSNG 14612 (4); one MSNG syntype illustrated in de Vos (1995: 321, fig. 212).

*Physailia somalensis tanensis* Whitehead, 1962a: 101, fig. 2. Type locality: Tana River at Hola, Kenya. Holotype: BMNH 1961.5.3.7.

Distribution: Ganana and lower Tana Rivers (De Vos, 1995).

***Parailia spiniserrata*** Svensson, 1933

*Parailia spiniserrata* Svensson, 1933: 73, pl. 4 (fig. 2); fig. 24. Type locality: MacCarthy Island Area, Gambia River, British West Africa. Syntypes (about 25): NRM 11144 (4), NRM 14453 (1), NRM 14454 (8), NRM 21144 (2), NRM 31144 (1), NRM 31145 (1), NRM 31146 (4), NRM 31147 (1); one syntype illustrated in De Vos (1995: 326, fig. 215).

Distribution: Gambia, Geba, and Jong River basins (De Vos, 1995).

**PAREUTROPIUS** Regan, 1920

*Ansorgia* Boulenger, 1912b: 17. Type species: *Ansorgia vittata* Boulenger, 1912. Type by monotypy. Gender: Feminine. Preoccupied by *Ansorgia* Warren, 1899, in Lepidoptera; replaced by *Ansorgüichthys* Whitley, 1935.

*Pareutropius* Regan, 1920a: 105. Type species: *Pareutropius micristius* Regan, 1920. Type by monotypy. Gender: Masculine.

*Eutropiellus* Nichols & La Monte, 1933b: 5. Type species: *Eutropiellus kasai* Nichols & La Monte, 1933. Type by original designation. Gender: Masculine.

*Ansorgüichthys* Whitley, 1935: 249. Type species: *Ansorgia vittata* Boulenger, 1912. Type by being a replacement name. Gender: Masculine. Replacement for *Ansorgia* Boulenger, 1912; preoccupied by *Ansorgia* Warren, 1899, in Lepidoptera.

Revision: Thys van den Audenaerde (1964, as *Eutropiellus*).

***Pareutropius buffei*** (Gras, 1961)



*Eutropiellus buffei* Gras, 1961: 406, fig. 3. Type locality: Bas-Ouémé, Bas-Dahomey. Syntypes (5): Lab. d'Hydrobiol. Cotonou, Benin (1), MNHN 1958-0001 (4).

*Eutropiellus vandeweyeri* Thys van den Audenaerde, 1964: 225, fig. 3. Type locality: Environment de Aba, Lower Nigeria Delta, Nigeria. Holotype: MRAC 140281.

Distribution: Lower Ouémé River, Cross and Niger Rivers (De Vos, 1995).

***Pareutropius debauwi*** (Boulenger, 1900)

*Eutropius debauwi* Boulenger, 1900a: 138, pl. 50 (fig. 2). Type locality: Uerre. Syntypes: BMNH 1900.12.13.8 (1), MRAC 347 (1).

*Ansorgia vittata* Boulenger, 1912b: 17, pl. 19 (fig. 2). Type locality: Lower Congo. Syntypes: ANSP 38734–35 (2), BMNH 1912.4.1.414 (1), BMNH 1912.4.1.415–417 (3), BMNH 1912.4.1.418 (1, skeleton), MRAC 1653 (1), MRAC 1654 (1), MRAC 1655 (1), ZMB 18817 (1). Name as *Ansorgia vitata* on p. 17, *A. vittata* on plate legend (p. 28) and on plate; De Vos (1986: 37) cited both spellings and used *Ansorgia vittata*, thereby acting as first reviser.

*Ansorgia vittata bistriata* Giltay, 1930b: 393, fig. 1. Type locality: Buta. Holotype: MRAC 20584.

*Eutropiellus kasai* Nichols & La Monte, 1933b: 5, fig. 4. Type locality: Luluabourg, Kasai, Belgian Congo. Holotype: AMNH 12338.

Distribution: Congo River system, Chiloango River, the Kouilou and Ogowe Rivers (De Vos, 1995).

***Pareutropius longifilis*** (Steindachner, 1914)

*Eutropius longifilis* Steindachner, 1914: 537. Type locality: Deutsch-Ostafrika [Kiperege]. Syntypes: NMW 46507 (2). Species illustrated and described in more detail in Steindachner (1915d: 75, pl. 3, fig. 2), with locality as: Wasserlauf bei dem Dorfe Kiperege; one syntype illustrated in De Vos (1995: 347, fig. 222).

*Pareutropius micristius* Regan, 1920a: 105. Type locality: Tanganyika Territory, Morogoro. Syntypes (7): BMNH 1920.3.8.10–12 (3).

Distribution: eastward flowing rivers north of the Ruvuma, Lake Chiuta, Ruvuma system, Lake Chilwa (De Vos, 1995).

***Pareutropius mandevillei*** Poll, 1959

*Pareutropius mandevillei* Poll, 1959: 92, pl. 16 (fig. 4a). Type locality: Stanley Pool. Holotype: MRAC 98387.

Distribution: Congo River basin (De Vos, 1995).

**PLATYTROPIUS** Hora, 1937

*Platytrapius* Hora, 1937a: 352. Type species: *Pseudeutropius siamensis* Sauvage, 1883. Type by original designation. Gender: Masculine.

*Nemasiluroides* Fowler, 1937: 137. Type species: *Nemasiluroides furcatus* Fowler, 1937. Type by original designation. Gender: Masculine.

Remarks: *Platytrapius* Hora was published in January, 1937, and therefore has priority over *Nemasiluroides* Fowler, 1937, which was published on 19 May, 1937. A second paper by Hora (1937c: 39) which has been cited as the original proposal of *Platytrapius* (e. g., Eschmeyer, 1990) was not published until November, 1937.

***Platytrapius siamensis*** (Sauvage, 1883)

*Pseudeutropius siamensis* Sauvage, 1883b: 154. Type locality: Mé-Nam, Siam. Holotype: MNHN a-5002.

*Nemasiluroides furcatus* Fowler, 1937: 138, figs. 16–19. Type locality: Bangkok, Siam. Holotype: ANSP 67893.

Distribution: Chao Phraya River basin, Thailand.

**PROEUTROPIICHTHYS** Hora, 1937

*Proeutropiichthys* Hora, 1937a: 353. Type species: *Eutropius macrophthalmos* Blyth, 1860. Type by original designation. Gender: Masculine.

Review: Hora (1941).

? ***Proeutropiichthys buchanani*** (Valenciennes, 1840)

*Bagrus Buchanani* Valenciennes, 1840, in Jacquemont, 1835–44: pl. 16 (fig. 3). Type locality: Hindustan, India. Holotype: MNHN a-5721(1 of 3) or MNHN a-5722 (1 of 3). Name made available by figure caption.

Distribution: Hindustan, India.

Remarks: Illustrated specimen should be treated as the holotype, if identifiable from among the specimens listed herein. Inclusion into *Proeutropiichthys* based on personal observation of types.

? *Proeutropiichthys goongwaree* (Sykes, 1839)

*Hypophthalmus Goongwaree* Sykes, 1839: 163. Type locality: the Mota Mola near Poona, India. No types known. Also described as new in Sykes (1840: 60); illustrated and described in more detail in Sykes (1841: 369, pl. 64, fig. 3).

Distribution: Southern India (Jayaram, 1999).

Remarks: Placed in *Pseudeutropius* by Günther (1864) and Day (1875–78), then into *Eutropiichthys* by Hora (1937e), where it has remained until now. However, the described species and illustrations are clearly not of a species of either of these genera and more likely that of a species of *Proeutropiichthys*.

*Proeutropiichthys macrophthalmos* (Blyth, 1860)

*Eutropius macrophthalmos* Blyth, 1860: 156. Type locality: Tenasserim [Myanmar]. Type(s): Whereabouts unknown. *Proeutropiichthys taakree burmanicus* Tilak, 1982: 35, figs. 1, 3, 5. Type locality: Burma. Holotype: ZSI FF771.

Distribution: Irrawaddy, Sittang, and Bago River basins, Myanmar.

*Proeutropiichthys taakree* (Sykes, 1839)

*Hypophthalmus taakree* Sykes, 1839: 163. Type locality: Deccan, India. No types known. Also described as new in Sykes (1840: 60); illustrated and described more fully in Sykes (1841: 369, pl. 64, fig. 4).

*Schillee Sykesii* Jerdon, 1849: 335. Type locality: Cavery River, southern India. No types known.

*Pseudeutropius longimanus* Günther, 1864: 60. Type locality: India. Holotype: BMNH 1857.6.13.88 (skin).

*Pseudeutropius megalops* Günther, 1864: 60. Type locality: Godaverri at Mahadespur, Orissa, Central India. Holotype: BMNH 1860.3.19.784.

Distribution: Western Ghats, Kerala, Maharashtra, India (Jayaram, 1999).

**PSEUDEUTROPIUS** Bleeker, 1862

*Pseudeutropius* Bleeker, 1862b: 398. Type species: *Eutropius brachyopterus* Bleeker, 1858. Type by original designation. Gender: Masculine. Also in Bleeker (1862–63: 14, 74).

*Pseudeutropius brachyopterus* (Bleeker, 1858)

*Eutropius brachyopterus* Bleeker, 1858b: 169. Type locality: Palembang [Sumatra]. Holotype (115 mm TL): Whereabouts unknown; holotype illustrated in Bleeker (1862–63: 71, pl. 75 [= Silur. pl. 27], fig. 1).

Distribution: Kapuas River (Roberts, 1989a); Sumatra.

*Pseudeutropius mitchelli* Günther, 1864

*Pseudeutropius mitchelli* Günther, 1864: 59. Type locality: Madras Presidency [India]. Syntypes: BMNH 1863.12.18.134–135 (2).

Distribution: Kerala, India (Jayaram, 1999).

*Pseudeutropius moolenburghae* Weber & de Beaufort, 1913

*Pseudeutropius moolenburghae* Weber & de Beaufort, 1913: 249, fig. 100. Type locality: Sumatra (Batang Hari river) [Indonesia]. Syntypes: AMNH 9283 (1), ZMA 112681 (6).

Distribution: Batang Hari River, Sumatra (Weber & de Beaufort, 1913); Kapuas River (Roberts, 1989a).

**SCHILBE** Oken, 1817

*Schilbe* Oken, 1817: 1183. Type species: *Silurus mystus* Linnaeus, 1758. Type by monotypy. Gender: Masculine.

*Pusichthys* Swainson, 1838: 348, et seq. Type species: *Schilbe uranoscopus* Rüppell, 1832. Type by subsequent monotypy. Gender: Masculine. Originally proposed as a subgenus of *Silurus*, without any included species. Species first added in Swainson (1839: 307).

*Eutropius* Müller & Troschel, 1849: 6. Type species: “*Bagrus schilboides* Val. (*Hypophthalmus niloticus* Rüppell)” [= *Bagrus schilbeides* Valenciennes, 1840]. Type by monotypy. Gender: Masculine. Originally proposed as a subgenus of *Bagrus*.

*Proeutropius* Fowler, 1936b: 307. Type species: *Silurus congensis* Leach, 1818. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Eutropius*.

Review: De Vos & Lévêque (1983), west Africa (as *Eutropius*).

Key: De Vos (1984a) Quanza and Bengo rivers, Angola (as *Eutropius*).

***Schilbe angolensis*** (De Vos, 1984)

*Eutropius angolensis* De Vos, 1984a: 13, figs. 4, 5d. Type locality: Quanza river at Quimbango, Angola, 10°51'S, 17°30'E. Holotype: MRAC 78-6-P-899.

Distribution: Upper Quanza River, Angola (De Vos, 1995).

***Schilbe banguelensis*** (Boulenger, 1911)

*Eutropius banguelensis* Boulenger, 1911a: 282, fig. 231. Lake Bangwelu. Holotype: BMNH 1907.9.30.8.

*Eutropius nasalis* Boulenger, 1915: 169. Type locality: Lac Moero. Lectotype: MRAC 14163; lectotype designated by, and illustrated in, De Vos (1995: 124, fig. 158, bottom) as lectoholotype.

Distribution: Chambezi River, Lake Bangweulu, Luapula River and Lake Mweru (De Vos, 1995).

***Schilbe bocagii*** (Guimarães, 1884)

*Eutropius Bocagii* Guimarães, 1884a: 85, unnumbered pl. Type locality: Dondo (Quanza fl.), Angola. Holotype: MB (destroyed, De Vos, 1995: 128). Illustration of holotype reproduced in De Vos (1984a: 5, fig. 1a).

*Eutropius ansorgii* Boulenger, 1910: 555. Type locality: Quanza River at Cunga, Angola. Syntypes (3): BMNH 1911.6.1.100–101 (2), NMW 46502 (1).

*Eutropius seraoui* Boulenger, 1910: 556. Type locality: Bengo River and from the Lucalla River at Lucalla, Angola. Syntypes (10): ANSP 37956 (1), BMNH 1911.6.1.102–105 (4), BMNH 1911.6.1.106 (1), NMW 46524 (2), ZMB 18226 (1); one NMW syntype illustrated in De Vos (1984a: fig. 3, and 1995: 129, fig. 160f).

*Eutropius eclipsis* Fowler, 1919b: 270, fig. 12. Type locality: Quanza River at Cunga, Angola. Holotype: USNM 42342. Illustration of holotype reproduced in De Vos (1984a: 5, fig. 1b).

Distribution: Lower Quanza River and Bengo Rivers, Angola (De Vos, 1995).

***Schilbe brevianalis*** (Pellegrin, 1929)

*Eutropius brevianalis* Pellegrin, 1929b: 362. Type locality: Dehane (Nyong), Cameroun. Syntypes: MNHN 1928-0354 (1), MNHN 1928-0355 (1).

Distribution: coastal rivers in Nigeria and Cameroon (De Vos, 1995).

***Schilbe congensis*** (Leach, 1818)

*Silurus Congensis* Leach, in Tuckey, 1818: 409. Type locality: Lower Congo. Holotype: BMNH 2005.5.17.6.

*Eutropius congoensis* Boulenger, 1899b: 105. Type locality: Lower Congo. Holotype: BMNH 2005.5.17.6. Unjustified emendation of *Silurus congensis* (De Vos, 1995).

*Eutropius congolensis* Boulenger, 1901a: 268. Type locality: Lower Congo. Holotype: BMNH 2005.5.17.6. Unjustified emendation of *Silurus congensis* Leach, 1818.

Distribution: Congo River system (De Vos, 1995).

***Schilbe djemeri*** (Thys van den Audenaerde & De Vos, 1982)

*Eutropius djemeri* Thys van den Audenaerde & De Vos, 1982: 179, figs. 1–2. Type locality: River Djerem, below falls at the rapids, 6–7 km south of Mbakaou, Cameroon. Holotype: MRAC 73-18-P-2310.

Distribution: Upper Sanaga River basin, Cameroon (De Vos, 1995).

***Schilbe durinii*** (Gianferrari, 1932)

*Eutropius Durinii* Gianferrari, 1932: 141. Type locality: Lago Tanganyika. Holotype: MSNM 36; illustrated in De Vos (1995: 146, fig. 169).

Distribution: Unknown (De Vos, 1995).

Remarks: Validity of species questioned by De Vos (1986, 1995), who indicated that the type locality is almost certainly wrong.

***Schilbe grenfelli*** (Boulenger, 1900)

*Eutropius grenfelli* Boulenger, 1900a: 137, pl. 50 (fig. 1). Type locality: Bolobo. Holotype: BMNH 1900.6.23.6.

*Eutropius gastratus* Nichols & Griscom, 1917: 708, fig. 20. Type locality: Rungu, Congo. Holotype: AMNH 6404.

*Eutropius bomae* Lönnberg & Rendahl, 1922: 126. Type locality: Boma, lower Congo. Holotype: NRM 6024.

Distribution: Congo River basin, Ogowe, Nyanga, and Ntem-Campo River basins, Nyong and Lokondje basins (De Vos, 1995).

***Schilbe intermedius*** Rüppell, 1832

*Schilbe intermedius* Rüppell, 1832: 6. Type locality: Nil. Syntypes: BMNH 1850.7.29.14 (1), SMF 202 (1), SMF

2625 (1, dry), SMF 6403 (1, skeleton). BMNH specimen illustrated by Seegers (1996: 184, fig. 129) as holotype.

*Schilbe auratus* Joannis, 1835: [Cl. IV, pl. 5]. Type locality: Nil. Possible holotype: MNHN b-0346.

*Schilbe Senegallus* Valenciennes, in Cuvier & Valenciennes, 1840a: 378 (281 of Strasbourg deluxe edition). Type locality: Sénégal. Syntypes (huit pouces): at MNHN.

*Bagrus depressirostris* Peters, 1852: 682. Type locality: Mozambique. Syntypes: BMNH 1863.4.30.15 (1), ZMB 3015 (2), ZMB 3016 (1). Illustrated and described in more detail in Peters (1868c: 25, pl. 4, fig. 5) as *Eutropius depressirostris*.

*Schilbe dispila* Günther, 1864: 51. Type locality: River Niger, West Africa; Upper Nile, 500 miles south of Chartoum. Syntypes: BMNH 1852.2.22.17 (1), BMNH unregistered (2).

*Schilbe senegalensis* Günther, 1864: 51. Type locality: Senegal. Syntypes: at MNHN (not found). Unjustified emendation of *Schilbe senegallus* Valenciennes, 1840.

*Schilbe senegalensis fasciata* Steindachner, 1870: 983, pl. 6 (figs. 1–2). Type locality: Senegal bei St. Louis, Dagana, Podor, und Bakel. Syntypes: NMW 44579–81 (61). Originally as *Schilbe senegalensis* var. *fasciata*.

*Schilbe steindachneri* Guimaraes, 1884b: 1, pl. 1 (figs. 1–2). Type locality: Cunene. Holotype: MB (destroyed; De Vos, 1995: 162).

*Schilbe bouvieri* Rochebrune, 1885: 95. Type locality: [Casamance R., Senegal, w. Africa]. Type(s): at Museo Bouvieri.

*Schilbe Emini* Pfeffer, 1896: 32. Type locality: Muhale-Bach, Uniamwesi. Holotype: ZMB 12851.

*Eutropius lemairii* Boulenger, 1900a: 138, pl. 50 (fig. 3). Type locality: Lofoi, Katanga. Syntypes: BMNH 1900.12.13.24 (1), MRAC 293 (1).

*Schilbe palmeri* Svensson, 1933: 71, pl. 3 (fig. 4). Type locality: Gambia River, Mc Carthy Island area. Syntypes: NRM 11145 (3), NRM 14452 (1), NRM 21145 (1).

Distribution: Widely distributed in Sub-Saharan Africa (De Vos, 1995).

Remarks: See De Vos & Skelton (1990) for discussion of validity and correct name of the species.

***Schilbe laticeps*** (Boulenger, 1899)

*Eutropius laticeps* Boulenger, 1899b: 105, pl. 41 (fig. 3) [not fig. 2 as stated in text]. Type locality: Kutu, Lac Léopold II. Holotype: MRAC 941.

Distribution: Congo River basin (De Vos, 1995).

***Schilbe mandibularis*** (Günther, 1867)

*Eutropius mandibularis* Günther, 1867b: 112. Type locality: Bossumprah River, Gold Coast. Holotype: deposited at Liverpool Museum. Holotype considered to be lost by Boulenger (1911: 290) and Trewavas (1943: 168).

*Eutropius liberiensis* Hubrecht, 1881: 69. Type locality: St. Paul's River, Liberia. Holotype: RMNH 5328.

*Eutropius mentalis* Boulenger, 1901a: 269. Type locality: River Prah, Gold Coast. Syntypes: BMNH 1899.12.22.8–10 (3).

Distribution: West Africa, from the St. Paul to the Prah River (De Vos, 1995).

Remarks: See De Vos (1983) for comments on taxonomy.

***Schilbe marmoratus*** Boulenger, 1911

*Schilbe marmoratus* Boulenger, 1911f: 222. Type locality: la rivière Sankuru (Kasaï). Holotype (70 mm): at MHNL.

*Schilbe congolensis* Steindachner, 1912: 445. Type locality: Moloundou, Dscha, Kamerun. Syntypes: NMW 10698–99 (2). Species described in more detail in Steindachner (1913: 30). Preoccupied in *Schilbe* by *Eutropius congolensis* Boulenger, 1901.

Distribution: Congo River basin and Shiloango system (De Vos, 1995).

***Schilbe micropogon*** (Trewavas, 1943)

*Eutropius micropogon* Trewavas, 1943: 168. Type locality: River Volta, Gold Coast. Syntypes (3): BMNH 1944.2.9.16–17 (2), BMNH 1944.2.9.18 (1).

Distribution: lower course of west African rivers, from Senegal to Cameroon (De Vos, 1995).

***Schilbe moebiusii*** (Pfeffer, 1896)

*Eutropius möbiusii* Pfeffer, 1896: 30. Type locality: Kingani-Fluss. Syntypes: ZMB 13680 (8, ? now 3); one syntype illustrated in De Vos (1995: 235, fig. 185).

*Eutropius moebii* Boulenger, 1911a: 293. Type locality: Kingani -Fluss. Syntypes: ZMB 13680 (8, ? now 3). Unjustified emendation of *Eutropius möbiusii* Pfeffer, 1896.

Distribution: Coastal rivers of Tanzania, including the Kingani, Rufiji, and Wani basins (De Vos, 1995).

***Schilbe multitaeniatus*** (Pellegrin, 1913)

*Eutropius multitaeniatus* Pellegrin, 1913b: 273. Type locality: l'Ogôoué (Ngomo). Syntypes: MNHN 1908-0230 (1), MNHN 1908-0231 (1), MNHN 1913-0266 (1).

*Eutropius multilineatus* Boulenger, 1916: 293. Unjustified emendation of *Eutropius multitaeniatus* Pellegrin, 1913 (de Vos, 1995).

*Eutropius cameronensis* Pellegrin, 1929b: 361. Type locality: Akonolinga (Nyong), ... Mfida (Nyong), ... Nyabessan (Ntem); Cameroun. Syntypes: MNHN 1928-0351 (1), MNHN 1928-0352 (1), MNHN 1928-0353 (1).

Distribution: Dja, Nyong, Igowe, Nyang, and N'dogo Rivers (De Vos, 1995).

Remarks: See De Vos (1983) for comments on taxonomy.

***Schilbe mystus*** (Linnaeus, 1758)

*Silurus mystus* Linnaeus, 1758: 305. Type locality: In Nilo. Holotype: NRM 70; illustrated in De Vos (1995: 247, fig. 191).

*Hypophthalmus niloticus* Rüppell, 1829: 6, pl. 1 (fig. 1). Type locality: Nil. Syntypes: BMNH 1850.7.29.16 (1), possibly RMNH 2985 (1), SMF 752 [or 725] (1), SMF 2637 (1, dry), SMF 6050 (1, skeleton), SMF 6051 (1, skeleton), SMF 6053 (1).

*Bagrus Adansonii* Valenciennes, in Cuvier & Valenciennes, 1840a: 391 (290 of Strasbourg deluxe edition), pl. 414. Type locality: Sénégal. Holotype: MNHN a-8670 (dry).

*Schilbe Hasselquistii* Valenciennes, in Cuvier & Valenciennes, 1840a: 377 (280 of Strasbourg deluxe edition). Type locality: Nil. Holotype: MNHN b-0599.

*Bagrus schilbeides* Valenciennes, in Cuvier & Valenciennes, 1840a: 389 (289 of Strasbourg deluxe edition). Type locality: Nil. Syntypes: MNHN b-0600 (1), MNHN b-0601 (1). Unneeded new name for *Hypophthalmus niloticus* Rüppell, 1829.

*Eutropius obtusirostris* Günther, 1864: 53. Type locality: India [in error]. Syntypes: BMNH 1842.3.26.28–29 (2).

*Eutropius altipinnis* Steindachner, 1894: 57, pl. 1 (fig. 1). Type locality: St. Paul -Flusse, bei Soforch Place. Syntypes: NMW 46501 (1), RMNH 5397 (2).

Distribution: Nile River basin and West Africa (De Vos, 1995).

Remarks: De Vos & Skelton (1990: 324, fig. 1) illustrated the holotype of *Silurus mystus* Linnaeus, and discussed nomenclatural history of the specimen but, unfortunately, mislabeled the photographed specimen as NRM 63 (rather than the correct number: NRM 70). De Vos (1995) concluded that *Eutropius obtusirostris* types probably originated in West Africa.

***Schilbe nyongensis*** (De Vos, 1981)

*Eutropius nyongensis* De Vos, 1981: 968, fig. 4. Type locality: Nyong river, above falls at 12 km. S.-E. of Eseka, Cameroon. Holotype: MRAC 75-4-P-43.

Distribution: Nyong River, Cameroon, known only from type locality (De Vos, 1995).

***Schilbe tumbanus*** (Pellegrin, 1926)

*Eutropius tumbanus* Pellegrin, 1926: 203. Type locality: Tondu (Lac Tumba); Congo belge. Syntypes (7): MNHN 1926-0161(1), MNHN 1926-0162 (1), MNHN 1926-0163 (1), MRAC 19685-86 (1), MRAC 19686 (1), MRAC 19687 (1), MRAC 19688 (1).

Distribution: Middle Congo River basin, abundant in Lake Tumba (De Vos, 1995).

***Schilbe uranoscopus*** Rüppell, 1832

*Schilbe uranoscopus* Rüppell, 1832: 4, pl. 1 (fig. 1). Type locality: Ägypten, Nil bei Cairo. Lectotype: BMNH 1850.7.29.22, designated by De Vos (1986: 45).

*Schilbe Isidori* Valenciennes, in Cuvier & Valenciennes, 1840a: 375 (278 of Strasbourg deluxe edition), pl. 412. Type locality: Egypte. Syntypes (no larger than 10 pouces): at MNHN.

Distribution: Nile River basin, Turkana system, Chad basin, Niger system, and Cross River (De Vos, 1995).

***Schilbe yangambianus*** (Poll, 1954)

*Eutropius yangambianus* Poll, 1954: 61, fig. 4. Type locality: riv. Lubulu Iles du fleuve. Holotype: MRAC 123625.

Distribution: Congo River basin and one location in upper Zambezi River (Skelton, 1993; De Vos, 1995).

***Schilbe zairensis*** De Vos, 1995

*Schilbe zairensis* De Vos, 1995: 285, fig. 201. Type locality: Lemfu, Inkisi River, Lower Zaire Basin, Zaire, ca. 5°18'S, 15°13'E. Holotype: MRAC 86-21-P-98.

Distribution: Lower Congo River basin (De Vos, 1995).

**SILONIA** Swainson, 1838

*Silonia* Swainson, 1838: 345 et seq. Type species: *Ageniosus (Silonia) lurida* Swainson, 1838. Type by monotypy.

Gender: Feminine. Originally proposed as a subgenus of *Ageniosus*.

*Silundia* Valenciennes, in Cuvier & Valenciennes, 1840b: 48 (36 of Strasbourg deluxe edition). Type species: *Silundia gangetica* Valenciennes, 1840. Type by subsequent designation by Bleeker (1862b: 399). Gender: Feminine.

*Silondia* Günther, 1864: 65. Type species: *Silundia gangetica* Valenciennes, 1840. Unjustified emendation of *Silundia* Valenciennes, 1840. Gender Feminine.

*Silonopangasius* Hora, 1937a: 352. Type species: *Ageneiosus childreni* Sykes, 1839. Type by original designation.

Gender: Masculine.

***Silonia childreni*** (Sykes, 1839)

*Ageneiosus childreni* Sykes, 1839: 165. Type locality: Deccan, India. No types known. Also proposed as new in Sykes (1840: 62). Illustrated and described in more detail in Sykes (1841: 375, pl. 66, fig. 3).

*Silundia Sykesii* Day, 1876: 569. Type locality: Deccan and Kurnool, India. Syntypes: AMS B.8084 (1), NMW 44624 (1), ZSI F1230 (1). Originally as “*Silundia Sykesii*, n.s.? = ? *Ageneiosus Childreni*, Sykes, Bleeker, & Jerdon.”

Distribution: Cauvery, Godavari and Krishna River basins, India (Jayaram, 1999).

***Silonia silondia*** (Hamilton, 1822)

*Pimelodus silondia* Hamilton, 1822: 160, 375, pl. 7 (fig. 50). Type locality: Gangetic estuaries. No types known.

*Ageniosus (Silonia) lurida* Swainson, 1838: 345, fig. 85. Type locality: Gangetic estuaries. No types known. Name made available to reference to Ham. pl. 7 fig. 50 [= Hamilton, 1822, pl. 7, fig. 50]. Unneeded new name for *Pimelodus silondia* Hamilton.

*Silundia Gangetica* Valenciennes, in Cuvier & Valenciennes, 1840b: 49 (36 of Strasbourg deluxe edition), pl. 426. Unneeded new name for *Pimelodus silondia* Hamilton, 1822, apparently to avoid tautonymy.

Distribution: Northern India, Bangladesh, Myanmar and Nepal (Jayaram, 1999).

Remarks: Redescribed in Hora (1938a).

**SILURANODON** Bleeker, 1858

*Siluranodon* Bleeker, 1858b: 253, 255, 256. Type species: *Silurus auritus* Geoffroy St. Hilaire, 1809. Type by monotypy. Gender: Masculine.

***Siluranodon auritus*** (Geoffroy Saint-Hilaire, 1809)

*Silurus auritus* Geoffroy Saint-Hilaire, 1809: pl. 11 (figs. 1–2). Type locality: fl. Nil, Egypt. Possible holotype or syntypes: MNHN a-8954 (4), MNHN a-8956 (1). Name available from caption on plate, with illustrated specimen the holotype, if identifiable. Description of species in Geoffroy St. Hilaire (1827: 291–299).

Distribution: Nile, Chad, Niger, Volta, Comoe Rivers (De Vos, 1995).

**Genus *inquirendum*, Schilbidae**

*Schillee* Jerdon, 1849: 335. Type species: apparently not designated; name based on two species. Name credited to Cuvier, which may refer to *Schilbe*, but included species belong to two other genera.

**SCOLOPLACIDAE** Bailey & Baskin, 1976

Scoloplacinae Bailey & Baskin, 1976: 5. Type genus: *Scoloplax* Bailey & Baskin, 1976.

Revision: Schaefer *et al.* (1989).

Phylogeny: Schaefer (1990).  
Taxonomic summary: Schaefer (2003a).  
1 genus, 4 species; no named fossil taxa.

**SCOLOPLAX** Bailey & Baskin, 1976

*Scoloplax* Bailey & Baskin, 1976: 5. Type species: *Scoloplax dicra* Bailey & Baskin, 1976. Type by original designation. Gender: Feminine.

***Scoloplax dicra*** Bailey & Baskin, 1976

*Scoloplax dicra* Bailey & Baskin, 1976: 7, figs. 1–3. Type locality: Isolated Ox-Bow lagoon off the Río Iténez, ca. 400 m southwest of the river at a point opposite Costa Marques (Brazil), Dept. of Beni, Bolivia, 12°28.38'S, 64°16.59'W. Holotype: AMNH 32482.

Distribution: Amazon and Paraguay River basins (Schaefer, 2003a).

***Scoloplax distolothrix*** Schaefer, Weitzman & Britski, 1989

*Scoloplax distolothrix* Schaefer, Weitzman & Britski, 1989: 191, figs. 5, 6. Type locality: Small tributary of Rio Batovi, upper Rio Xingu, Mato Grosso, Brazil, approx. 12°58'S, 53°37'W. Holotype: MZUSP 39065.

Distribution: Tocantins/Araguaia, Xingu and Paraguay River basins (Schaefer, 2003a).

***Scoloplax dolicholophia*** Schaefer, Weitzman & Britski, 1989

*Scoloplax dolicholophia* Schaefer, Weitzman & Britski, 1989: 196, figs. 9, 10. Type locality: In igarapé, trib. of Rio Tarumãzinho, approximately 45 km north of Manaus, Amazonas, Brazil, 2°42'S, 60°03'W. Holotype: MZUSP 6788.

Distribution: Negro River basin, Brazil (Schaefer, 2003a).

***Scoloplax empousa*** Schaefer, Weitzman & Britski, 1989

*Scoloplax empousa* Schaefer, Weitzman & Britski, 1989: 194, figs. 7, 8. Type locality: Rio Ivinheima 70 km upstream from its confluence with Rio Paraná and Rio dos Bandeirantes, Mato Grosso, Brazil, approx. 22°35'S, 53°30'W. Holotype: MZUSP 39075.

Distribution: Amazon and Paraguay/Paraná River basins (Schaefer, 2003a).

**SILURIDAE** Cuvier, 1816

Siluroïdes Cuvier, 1816: 199. Type genus: *Silurus* Linnaeus, 1758.

Kryptopterini Bleeker, 1862 (in Bleeker, 1862–63): 18, 85. Type genus: *Kryptopterus* Bleeker, 1857.

Phalacronotini Bleeker, 1862 (in Bleeker, 1862–63): 18, 90. Type genus: *Phalacronotus* Bleeker, 1857.

Monophyly: Bornbusch (1991b).

Phylogeny: Bornbusch (1991b; 1995).

Revision: Kobayakawa (1989, *Silurus* sensu lato, including *Pterocryptis*).

Review: Chen (1977, China).

Checklist: Haig (1952, with key to genera).

Identification guide: Jayaram (1977d, South Asia).

Remarks: Although the monophyly of the family appears to be well supported (see Bornbusch, 1991b), the limits of many of the included genera are not clear. As such, the composition of the genera as listed herein are likely to change with additional study.

12 genera, 94 species; 3 named fossil species of uncertain status.

***Incertae sedis***

***Kryptopterus indicus*** Datta, Barman & Jayaram, 1987

*Kryptopterus indicus* Datta, Barman & Jayaram, 1987: 29, fig. 1. Type locality: Hornbill Point, Namdapha River, Namdapha Wildlife Sanctuary, Arunachal Pradesh, India. Holotype: ZSI FF1699.

Distribution: Known only from type locality (Jayaram, 1999).

Remarks: Generic placement undetermined. Illustration of type clearly not that of a species of *Kryptopterus*.

**BELODONTICHTHYS** Bleeker, 1857

*Belodontichthys* Bleeker, 1857b: 472. Type species: *Belodontichthys macrochir* Bleeker, 1857. Type by monotypy.  
Gender: Masculine.

Phylogeny: Howes & Fumihito (1991).

***Belodontichthys dinema*** (Bleeker, 1851)

*Wallago dinema* Bleeker, 1851d: 202. Type locality: Banjarmasin. Syntypes (2, 190, 195 mm TL): possibly RMNH 6834 (1 or 2 of 5. Syntype illustrated in Bleeker (1862–63: pl.86 [= Silur. 38], fig. 2) as *Belodontichthys macrochir*.

*Belodontichthys macrochir* Bleeker, 1857b: 472. Type locality: Banjarmasin. Syntypes (2, 190, 195 mm TL): possibly RMNH 6834 (1 or 2 of 5). Unneeded new name for *Wallago dinema* Bleeker, 1851.

Distribution: Laos, Vietnam, Thailand, Malay Peninsula, Sumatra and Borneo (Roberts, 1989a).

Remarks: BMNH 1863.12.4.54 (1, 272 mm SL) is incorrectly registered as a type of *Belodontichthys macrochir* [= *Wallago dinema*], but is too long to be either of the syntypes.

***Belodontichthys truncatus*** Kottelat & Ng, 1999

*Belodontichthys truncatus* Kottelat & Ng, 1999: 388, fig. 1. Type locality: Chao Phraya River, flood-waters 17.5 km north of Ayuthya, Maharaj Prov., Thailand. Holotype: UMMZ 235105.

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

**CERATOGLANIS** Myers, 1938

*Ceratoglanis* Myers, 1938: 98. Type species: *Hemisilurus scleronema* Bleeker, 1863. Type by original designation.  
Gender: Masculine.

***Ceratoglanis pachynemus*** Ng, 1999

*Ceratoglanis pachynema* Ng, 1999c: 390, figs. 3, 5, 6. Type locality: Prachinburi Market, Thailand. Holotype: CAS 96577.

Distribution: Chao Phraya and Mekong River basins (Ng, 1999c).

***Ceratoglanis scleronemus*** (Bleeker, 1863)

*Hemisilurus scleronema* Bleeker, 1863 (in Bleeker, 1862–63): 93, pl. 101 [= Silur. pl. 53]. Type locality: Java (Krawang). Holotype (399 mm TL): possibly RMNH 2918 (1). Also described as new in Bleeker (1863e and 1863f).

Distribution: Pahang River basin, peninsular Malaysia, Baram, Barito, Kapuas and Rejang river basins, Borneo, Citarum River basin, Java, and the Batang Hari and Siak River basins, Sumatra (Ng, 1999c).

**HEMISILURUS** Bleeker, 1857

*Hemisilurus* Bleeker, 1857b: 472. Type species: *Wallago heterorhynchus* Bleeker, 1853. Type by monotypy. Gender: Masculine.

*Diastatomycter* Vaillant, 1891: 182. Type species: *Diastatomycter chaperi* Vaillant, 1891. Type by monotypy. Gender: Masculine. Also appeared in Vaillant (1893c: 61).

Phylogeny and biogeography: Bornbusch & Lundberg (1989).

***Hemisilurus heterorhynchus*** (Bleeker, 1853)

*Wallago heterorhynchus* Bleeker, 1853b: 514. Type locality: Moara kompeh, Sumatrae orientalis, in fluviiis. Holotype (326 mm TL): RMNH 6849.

*Diastatomycter Chaperi* Vaillant, 1891: 182. Type locality: Knapei River, Borneo. Holotype: MNHN 1891-0458. Also described as new in Vaillant (1893c: 61); redescribed and illustrated in Vaillant (1894b: 70, pl. 2, fig. 2).

Distribution: Sumatra, and Borneo (Roberts, 1989a).

Remarks: BMNH 1863.12.4.58 (~205 mm SL) is incorrectly listed as a type of *Wallago heterorhynchus* as the species was named on a single individual and this specimen is too small.

***Hemisilurus mekongensis*** Bornbusch & Lundberg, 1989

*Hemisilurus mekongensis* Bornbusch & Lundberg, 1989: 435, figs. 1–4. Type locality: Thailand, Ubon Ratchathani



Province, Khong Chiam District, Mun River at Ban Dan, upstream of confluence with Mekong River, 15°18'N, 105°31'E. Holotype: UMMZ 214565.

Distribution: Mekong River basin (Kottelat, 2001b).

***Hemisilurus moolenburghi*** Weber & de Beaufort, 1913

*Hemisilurus moolenburghi* Weber & de Beaufort, 1913: 212, figs. 84–85. Type locality: Batang Hari, Sumatra. Syntypes: ZMA 113564 (2).

Distribution: Batang Hari, Sumatra, and western Borneo (Roberts, 1989a).

**KRYPTOPTERUS** Bleeker, 1857

*Kryptopterus* Bleeker, 1857b: 472. Type species: *Kryptopterus micropus* Bleeker, 1857. Type by subsequent designation by Bleeker (1862: 395, or 1862–63: 18). Gender: Masculine.

*Kryptoptericthys* Bleeker, 1857b: 472. Type species: *Silurus Palembangensis* Bleeker, 1852. Type by subsequent designation by Bleeker (1862: 395, or 1862–63: 18). Gender: Masculine.

*Cryptopterus* Günther, 1864: 6, 38. Type species: *Kryptopterus micropus* Bleeker, 1857. Type by being a replacement name. Gender: Masculine. Unjustified emendation of *Kryptopterus*. Preoccupied by *Cryptopterus* Kaup, 1860, in fishes.

*Cryptoptarella* Fowler, 1944a: 1. Type species: *Cryptoptarella beldti* Fowler, 1944. Type by original designation. Gender: Feminine.

Remarks: First reviser action in making *Kryptopterus* the valid name for this taxon appears to have been accomplished in Haig (1952: 106), in which *Kryptoptericthys* is treated as a junior synonym of *Kryptopterus*, although the names were attributed to Bleeker (1858) which was, until recently, thought to be the source of both names.

***Kryptopterus baramensis*** Ng, 2002

*Kryptopterus baramensis* Ng, 2002c: 68, figs. 1–2. Type locality: Borneo: Sarawak, Sungai Akah, above Long Tebangan, 300 m below confluence with Sungai Pahang, below falls, 3°22'12"N, 114°56'06"E. Holotype: ROM 72477.

Distribution: Baram River basin, northern Borneo (Ng, 2002c).

***Kryptopterus bicirrhis*** (Valenciennes, 1840)

*Silurus bicirrhis* Valenciennes, in Cuvier & Valenciennes, 1840a: 367 (272 of Strasbourg deluxe edition), pl. 411. Type locality: Java. Holotype: MNHN a-9932; radiograph of holotype in Roberts (1989a: fig. 113, lower).

*Cryptopterus amboinensis* Günther, 1864: 40, 429. Type locality: Amboyna [apparently in error]. Syntypes (2): BMNH 1855.3.24.14 (1).

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

***Kryptopterus kryptopterus*** (Bleeker, 1851)

*Silurus kryptopterus* Bleeker, 1851b: 270. Type locality: Bandjarmassing. Holotype (110 mm TL): RMNH 6840 (1 of 16).

*Kryptopterus micropus* Bleeker, 1857b: 472. Type locality: Bandjarmassing. Holotype (110 mm TL): RMNH 6840 (1 of 16). Unneeded replacement name for *Silurus kryptopterus* Bleeker, 1851, apparently to avoid tautonymy.

Distribution: Borneo and Sumatra, and possibly Tapi River (Ng, 2003i: 8).

***Kryptopterus dissitus*** Ng, 2001

*Kryptopterus dissitus* Ng, 2001a: 198, fig. 1. Type locality: Laos: Champasak Province, Mekong River at Ban Hang Khone, just downstream from Khone falls. Holotype: UMMZ 238017.

Distribution: Chao Phraya and Mekong River basins (Ng, 2001a).

***Kryptopterus eugeneiatus*** (Vaillant, 1893)

*Callichrous eugeneiatus* Vaillant, 1893c: 61. Type locality: riv. Knapei et Sebroeang, près Smitow, Bornéo. Syntypes: MNHN 1891-0459 (1), MNHN 1891-0460 (1).

Distribution: Kapuas River basin (Roberts, 1989a).

***Kryptopterus geminus*** Ng, 2003

*Kryptopterus geminus* Ng, 2003i: 2, figs 1, 2a. Type locality: Cambodia: Stung Treng, Mekong River 2 km downstream from mouth of Tonle San on sandbars, Mekong River drainage, 13°31'N, 105°56'E. Holotype: UMMZ

234664.

Distribution: Mekong, Mae Khlong, Bang Pakong and Chao Phraya River basins (Ng, 2003i).

***Kryptopterus hesperius*** Ng, 2002

*Kryptopterus hesperius* Ng, 2002c: 70, fig. 3. Type locality: Thailand: Kanchanaburi Province, Kwa Noi River at Sai Yok. Holotype: ZMUC P28551.

Distribution: Mae Khlong River basin, western Thailand (Ng, 2002c).

***Kryptopterus lais*** (Bleeker, 1851)

*Silurus lais* Bleeker, 1851e: 428. Type locality: Sambas, in fluviis. Holotype (125 mm TL): RMNH 6839 (larger of 2).

Distribution: Sambas, Kapuas, Kahajan and Barito rivers, Borneo (Roberts, 1989a).

***Kryptopterus limpok*** (Bleeker, 1852)

*Silurus limpok* Bleeker, 1852d: 583. Type locality: Palembang, Sumatra. Holotype (175 mm TL): possibly BMNH 1863.12.4.100 (150 mm SL).

Distribution: Mekong and Chao Phraya River basins, Malay Peninsula, Sumatra and Borneo (Kottelat, 2001b).

***Kryptopterus lumholtzi*** Rendahl, 1922

*Cryptopterus lumholtzi* Rendahl, 1922: 200. Type locality: Bulungan, northeastern Borneo. Holotype: ZMUO J5310.

Distribution: Bulungan, northeastern Borneo (Rendahl, 1922).

***Kryptopterus macrocephalus*** (Bleeker, 1858)

*Kryptopterichthys macrocephalus* Bleeker, 1858b: 293. Type locality: Sumatra ?; Padang ?, in fluviis. Holotype (113 mm TL): possibly BMNH 1863.12.4.99 (96 mm SL) or BMNH 1863.12.4.101. Illustrated in Bleeker (1862–63: pl. 89 [= Silur. pl. 41], fig. 1).

Distribution: Peninsular Thailand, Malay Peninsula, Sumatra and Borneo (Roberts, 1989a).

***Kryptopterus minor*** Roberts, 1989

*Kryptopterus minor* Roberts, 1989a: 149, fig. 115. Type locality: Mainstream of Sungai Pinoh at Nanga Saian, 45 km S of Nangapinoh, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3638. Name spelled *Kryptopterus minimus* on p. 146. As there has not been a first reviser action to fix the name, it is done here, with *Kryptopterus minor* as the valid name.

Distribution: Kapuas River, western Borneo (Roberts, 1989a).

***Kryptopterus mononema*** (Bleeker, 1847)

*Silurus mononema* Bleeker, 1847b: 8. Type locality: Surakarta, Java. Syntypes: possibly BMNH 1863.12.4.93 (1, 145 mm SL), RMNH 6835 (2). One syntype illustrated in Bleeker (1862–63: 87, pl. 91 [= Silur pl. 43], fig. 1). Also described as new in Bleeker (1847: 166).

Distribution: Java, Indonesia.

***Kryptopterus Palembangensis*** (Bleeker, 1852)

*Silurus Palembangensis* Bleeker, 1852d: 584. Type locality: Palembang, in fluviis. Holotype (169 mm TL): Whereabouts unknown.

Distribution: Sumatra.

Remarks: BMNH 1863.12.4.101 (120 mm SL) is incorrectly registered as a type of *Silurus Palembangensis* but appears to be too small to be the holotype.

***Kryptopterus paraschilbeides*** Ng, 2003

*Kryptopterus paraschilbeides* Ng, 2003d: 3, fig. 1. Type locality: Cambodia: Kompong Chhnang, Tonle Sap River, 17 km upstream from Kompong Chhnang. Holotype: UMMZ 238788.

Distribution: Mekong River basin (Ng, 2003d).

***Kryptopterus piperatus*** Ng, Wirjoatmodjo & Hadiaty, 2004

*Kryptopterus piperatus* Ng, Wirjoatmodjo & Hadiaty, 2004: 92, fig. 1. Type locality: Indonesia, Sumatra: Aceh Selatan: Sungai Lembang in front of camp, Suag Balimbing Research Station, Gunung Leuser National Park. Holotype: MZB 8717.

Distribution: Lembang River, Alas River basin, Sumatra, Indonesia (Ng *et al.*, 2004).

***Kryptopterus sabanus*** (Inger & Chin, 1959)

*Ompok sabanus* Inger & Chin, 1959: 282. Type locality: Segama River at the Segama Estate near Lahad Datu, Lahad Datu District, East Coast Residency, North Borneo. Holotype: FMNH 44828.

Distribution: Kapuas and Kinabatangan Rivers, northern Borneo (Roberts, 1989a).

***Kryptopterus schilbeides*** (Bleeker, 1858)

*Hemisilurus schilbeides* Bleeker, 1858b: 297. Type locality: Palembang, Sumatra; Bandjermassin, Borneo. Syntypes (2: 96–99 mm TL): possibly BMNH 1863.12.4.157 (1, 79 mm SL, 91 mm TL), BMNH 1864.5.15.6 (1). Illustrated in Bleeker (1862–63: pl. 90 [=Silur. pl. 42], fig. 4).

Distribution: Lower Mekong River to Indonesia, in rivers, canals, ditches and swamps (Rainboth, 1996).

Remarks: Register number of syntype of *Hemisilurus schilbeides* incorrectly reported as BMNH 1863.12.11.157 in Eschmeyer *et al.* (1998).

***Species inquirendae, Kryptopterus***

*Cryptopterella beldti* Fowler, 1944a: 2, unnumbered figure. Type locality: Borneo (aquarium fish). Holotype: ANSP 71571.

**MICRONEMA** Bleeker, 1857

*Micronema* Bleeker, 1857b: 472. Type species: *Silurus hexapterus* Bleeker, 1851. Type by monotypy. Gender: Neuter.

***Micronema cheveyi*** (Durand, 1940)

*Cryptopterus Cheveyi* Durand, 1940: 19, pl. 4. Type locality: Rivière de Kaskos [Cambodia]. Holotype: possibly at Institut Océanographique Nhatrang.

Distribution: Mekong River basin (Chu *et al.*, 1999), in rivers and canals (Rainboth, 1996).

***Micronema hexapterus*** (Bleeker, 1851)

*Silurus hexapterus* Bleeker, 1851d: 203. Type locality: Bandjermassing. Holotype (145 mm TL): Whereabouts unknown.

Distribution: Thailand to Indonesia, in rivers, streams, and canals (Rainboth, 1996).

Remarks: BMNH 1863.12.4.73 is incorrectly registered as the holotype of *Silurus hexapterus* Bleeker, but it is much larger (159 mm SL) than the listed length of the holotype.

***Micronema moorei*** (Smith, 1945)

*Kryptopterus moorei* Smith, 1945: 342, fig. 78. Type locality: Menam Chao Phya, near Paknam, central Thailand. Holotype: USNM 109787.

Distribution: Chao Phraya and lower Mekong River basins, in streams and canals of the floodplain (Rainboth, 1996).

Remarks: Treated as a probable synonym of *Kryptopterus cheveyi* in Kottelat (2001b).

***Micronema platypogon*** (Ng, 2004)

*Kryptopterus platypogon* Ng, 2004f: 2, figs. 1, 2a. Type locality: Borneo: Sarawak, Rajang River drainage, market at Sibü, 2°17'18.6"N 111°49'49.2"E. Holotype: ZRC 45838.

Distribution: Rajang River basin, northern Borneo (Ng, 2004f).

**OMPOK** La Cepède, 1803

*Ompok* La Cepède, 1803: 49. Type species: *Ompok siluroides* La Cepède, 1803. Type by monotypy. Gender: Masculine.

*Callichrous* Hamilton, 1822: 149. Type species: *Silurus pabda* Hamilton, 1822. Type by subsequent designation by Bleeker (1862: 395 or 1862–63: 17). Gender: Masculine. Originally proposed as a subgenus of *Silurus*.

*Pseudosilurus* Bleeker, 1857b: 472. Type species: *Wallago leiacanthus* Bleeker, 1853. Type by monotypy. Gender: Masculine.

*Silurodes* Bleeker, 1857b: 472. Type species: *Silurus macronema* Bleeker, 1851. Type by monotypy. Gender: Masculine. Also in Bleeker (1858b: 255, 256, 271).

Revision: Ng (2003b, *Ompok hypophthalmus* group); Tan & Ng (1996, *Ompok leiacanthus* species group).

Review: Parameswaran *et al.* (1967, Indian species).

***Ompok bimaculatus*** (Bloch, 1794)

*Silurus bimaculatus* Bloch, 1794: 24, pl. 364. Type locality: Tranquebar. Lectotype: ZMB 2916, designated by, and illustrated in, Paepke (1999: 139, pl. 25, fig. 2).

*Callichrous ceylonensis* Günther, 1864: 46. Type locality: Ceylon. Syntypes: BMNH 1852.2.19.107–108 (2), BMNH 1853.3.30.60 (1).

Distribution: Widely distributed in south and Southeast Asia, including Mekong River (Kottelat, 2001b), but probably more restricted to just south Asia and Sri Lanka.

Remarks: See Jayaram (1977a) for comments on type locality of *Silurus bimaculatus*, and Rema Devi & Emilyamma (1997) for comments on its identity.

***Ompok binotatus*** Ng, 2002

*Ompok binotatus* Ng, 2002b: 26, fig. 1. Type locality: Indonesia: Borneo, Kalimantan Barat, Sungai Mandai Kechil near its confluence with Kapuas mainstream, 18 km west southwest of Putussibau, 0°48'N, 112°47'E. Holotype: FMNH 94243.

Distribution: Kapuas River basin, Borneo (Ng, 2002b).

***Ompok borneensis*** (Steindachner, 1901)

*Callichrous (Silurodes) borneensis* Steindachner, 1901: 445, pl. 18 (fig. 3). Type locality: Baram-Flusse, Borneo. Holotype (8.4 cm): at NMW or SMF.

Distribution: Baram River basin, Borneo (Steindachner, 1901).

***Ompok fumidus*** Tan & Ng 1996

*Ompok fumidus* Tan & Ng 1996: 537, figs. 3, 4c. Type locality: North Selangor peat swamp forest, 43 km on road from Tanjong Malim to Sungai Besar, Selangor, Malaysia. Holotype: ZRC 15049.

Distribution: peninsular Malaysia (Tan & Ng, 1996).

***Ompok hypophthalmus*** (Bleeker, 1846)

*Silurus hypophthalmus* Bleeker, 1846a: 149. Type locality: Batavia. Type(s) (size and number not stated): Whereabouts unknown.

*Silurus macronema* Bleeker, 1851: 203. Type locality: Bandjermassing. Holotype (140 mm TL): possibly BMNH 1863.12.4.155 (121 mm SL); illustrated in Bleeker (1862–63: 83, pl. 88 [= Silur. pl. 40], fig. 2), as *Silurodes macronema*.

Distribution: Ciliwung and Brantas River basins, Java, and Barito River basin, southern Borneo (Ng, 2003b).

***Ompok jaynei*** Fowler, 1905

*Ompok jaynei* Fowler, 1905: 466, fig. 3. Type locality: Baram basin, Baram region of Sarawak, Borneo. Holotype: ANSP 114890.

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

***Ompok leiacanthus*** (Bleeker, 1853)

*Wallago leiacanthus* Bleeker, 1853a: 189. Type locality: Marwang, in fluviiis [now: East end of Danau Arang Arang, Jambi Prov., Sumatra, Indonesia, by neotype designation]. Neotype: ZRC 38538, designated by Tan & Ng (1996: 532).

Distribution: Sumatra.

***Ompok malabaricus*** (Valenciennes, 1840)

*Silurus Malabaricus* Valenciennes, in Cuvier & Valenciennes, 1840a: 353 (262 of Strasbourg deluxe edition). Type locality: Malabar. Syntypes: MNHN b-0607 (2).

Distribution: Goa, Kerala, India (Jayaram, 1999).

***Ompok miostomus*** Vaillant, 1902

*Wallago miostoma* Vaillant, 1902: 44. Type locality: Tepoe, bords du Mahakam, Bornéo central. Syntypes: RMNH 7811 (2); syntype illustrated in Roberts (1982b: fig. 3b).

Distribution: Mahamam River basin, central Borneo (Vaillant, 1902).

***Ompok pabda*** (Hamilton, 1822)

*Silurus pabda* Hamilton, 1822: 150, 374, pl. 25 (fig. 47). Type locality: ponds and rivers of Bengal. No types known.

*Silurus (Callichrus) vittatus* Swainson 1839: 306. Type locality: ponds and rivers of Bengal. No types known. Name made available by reference to "Ham. pl. 25, f. 47" [= Hamilton (1822: p. 25, fig. 47)]. Unneeded new name for

*Silurus pabda* Hamilton, 1822.

Distribution: Brahmaputra and Ganges River basins, India and Bangladesh; Pakistan; Myanmar (Jayaram, 1999).

***Ompok pabo*** (Hamilton, 1822)

*Silurus pabo* Hamilton, 1822: 153, 375, pl. 22 (fig. 48). Type locality: Brahmaputra River, towards Assam. No types known.

*Silurus (Callichrus) erythrogaster* Swainson, 1839: 306. Type locality: Brahmaputra River, towards Assam. No types known. Name made available by reference to "Ham. pl. 17 f. 48" [sic pl. 22, fig. 48] (= Hamilton, 1822: pl. 22, fig. 48). Unneeded new name for *Silurus pabo* Hamilton, 1822.

Distribution: Brahmaputra, Ganges, and Yamuna River basins, India and Bangladesh; Pakistan; Myanmar (Jayaram, 1999).

***Ompok pinnatus*** Ng, 2003

*Ompok pinnatus* Ng, 2003f: 48, fig. 1. Type locality: Cambodia, Tonle Sap at Koompong Chhnang, fishing lot 9 in second channel E of town. Holotype: UMMZ 232679.

Distribution: Chao Phraya River, Thailand and Mekong River basin, Cambodia (Ng, 2003f).

***Ompok platyrhynchus*** Ng & Tan, 2004

*Ompok platyrhynchus* Ng & Tan, 2004: 2, figs. 1, 2a. Type locality: Borneo: Brunei Darussalam, Temburong district: Belalong sub-basin Sungai Esu, about 15 minutes upstream of Kuala Belalong Field Studies Centre (04°32'17.9"N 115°09'35.2"E). Holotype: ZRC 48678.

Distribution: Temburong River basin, northern Borneo (Ng & Tan, 2004).

***Ompok pluriradiatus*** Ng, 2002

*Ompok pluriradiatus* Ng, 2002b: 28, fig. 3. Type locality: Indonesia: Borneo: Kalimantan Timur: Mahakam River drainage, a swift blackwater stream entering Mahakam River from the left side downriver of Nuarapahu (0°14'S, 116°07'E). Holotype: MZB 5951.

Distribution: Mahakam River basin, eastern Borneo (Ng, 2002b).

***Ompok rhadinurus*** Ng, 2003

*Ompok rhadinurus* Ng, 2003b: 1299, figs. 3, 5b. Type locality: Peninsular Malaysia, Selangor, North Selangor Peat Swamp Forest, irrigation canal on western boundary. Holotype: ZRC 14897.

Distribution: Bernam, Endau, Pahang, Pattani and Perak River basins, peninsular Malaysia, Kapuas River basin, Borneo, and Batang Hari, Deli, Indragiri and Musi River basins, Sumatra (Ng, 2003b).

***Ompok sindensis*** (Day, 1877)

*Callichrous Sindensis* Day, 1877 (in Day, 1875–78): 476, pl. 110 (fig. 1). Type locality: Sind, from the Indus [Pakistan]. Holotype: ZSI 505.

Distribution: Sindh, Pakistan (Mirza, 2003).

***Ompok urbaini*** (Fang & Chaux, 1949)

*Cryptopterus urbaini* Fang & Chaux, in Chaux & Fang, 1949a: 197, fig. 2. Type locality: Cambodia. Holotype: MNHN 1966-0706.

Distribution: Mekong, Chao Phraya and Pasak River basins, Southeast Asia (Ng, 2003b).

Remarks: Ng (2003b) lists three syntypes, but a holotype was clearly indicated in the description.

***Ompok weberi*** (Hardenberg, 1936)

*Callichrous weberi* Hardenberg, 1936a: 232. Type locality: Padang Tikarbay, Kapuas River basin, western Borneo. Holotype (79 mm): Whereabouts unknown (see Ng & Siebert, 2002, for comments).

Distribution: Kapuas River, Borneo (Ng & Siebert, 2002).

Remarks: Redescribed in Ng & Siebert (2002).

***Species inquirendae, Ompok***

*Ompok siluroides* La Cepède, 1803: 49, 50, pl. 1 (fig. 2). Type locality: not stated [Asia]. Holotype: MNHN a-8669.

*Silurus lamghur* Heckel, 1838: 82, pl. 12 (figs. 5–6). Type locality: Kashmir. Holotype: NMW 44689.

*Silurus canio* Hamilton, 1822: 151, 374. Type locality: Ponds in the north-east parts of Bengal. No types known. Unpublished Hamilton illustration reproduced in Hora (1929: pl. 20, fig. 5).

- Silurus chechra* Hamilton, 1822: 152, 375. Type locality: Kusi river [India]. No types known.
- Silurus duda* Hamilton, 1822: 152, 375. Type locality: river Kusi [India]. No types known.
- Silurus (Callichrus) affinis* Swainson, 1839: 306. Type locality: Kusi River [India]. No types known. Name made available by reference to “Ham. 152 (duda)” [= Hamilton, 1822: 152]. Unneeded new name for *Silurus duda* Hamilton, 1822.
- Silurus (Callichrus) immaculatus* Swainson, 1839: 306. Type locality: Bengal. No types known. Name made available by reference to “Ham. 151 (canio)” [= Hamilton, 1822: 151]. Unneeded new name for *Silurus canio* Hamilton, 1822.
- Silurus (Callichrus) nebulosus* Swainson, 1839: 306. Type locality: Kusi River [India]. No types known. Name made available by reference to “Ham. 152 (nebulosus)” [=Hamilton, 1822: 152)]. Unneeded new name for *Silurus chechra* Hamilton, 1822.
- Silurus anostomus* Valenciennes, in Cuvier & Valenciennes, 1840a: 363 (269 of Strasbourg deluxe edition), pl. 410. Type locality: Bengale. Syntypes: MNHN a-8949 (2), MNHN a-8950 (2).
- Silurus microcephalus* Valenciennes, in Cuvier & Valenciennes, 1840a: 365 (271 of Strasbourg deluxe edition). Type locality: Bengale. Holotype (6 pouces): at MNHN.
- Silurus Mysoricus* Valenciennes, in Cuvier & Valenciennes, 1840a: 364 (270 of Strasbourg deluxe edition). Type locality: Mysore. Syntypes: MNHN 0000-3107 (2).
- Silurus indicus* M’Clelland & Griffith, in M’Clelland, 1842: 583. Type locality: Loodianah, the Punjab, and Cabool River at Jullalabad. Holotype: Whereabouts unknown, possibly at BMNH.
- Cryptopterus latovittatus* Playfair, 1867: 16. Type locality: Cachar, eastern provinces of British India, within the watershed of the Burhampooter. Syntypes: BMNH 1867.2.14.72–73.
- Pseudosilurus macrophthalmos* Blyth, 1860: 156. Type locality: Tenasserim. Holotype: Whereabouts unknown.
- Callichrous nigrescens* Day, 1870c: 616. Type locality: Throughout the branches of the Irrawaddi, in the Pegu and Sit-toung rivers, Burma. Syntypes: AMS B.7636 (1), ZSI A.500 (2, lost).
- Callichrous notatus* Day, 1870c: 616. Type locality: Rivers of Burma. Possible syntypes: AMS B.7982 (2), ZSI 1275 (1), ZSI A.499 (2, lost).
- Callichrous egertonii* Day, 1872: 710. Type locality: Subhimalayan range in the Punjab. Syntype: AMS B.8065 (1).
- Wallago krattensis* Fowler, 1934b: 335, fig. 1. Type locality: Kratt, southeast Siam. Holotype: ANSP 60177.
- Silurus goae* Haig, 1952: 77, fig. on p. 78. Type locality: Goa, India. Holotype: SU 41889. Referred to *Ompok* rather than *Silurus* by Kobayakawa (1989: 176).

#### **PHALACRONOTUS** Bleeker, 1857

*Phalacronotus* Bleeker, 1857b: 472. Type species: *Silurus phalacronotus* Bleeker, 1851. Type by absolute tautonymy. Gender: Masculine. Type designations of *Silurus leptonema* in Bleeker (1862: 395 and 1862–63: 18) are invalid.

#### ***Phalacronotus apogon*** (Bleeker, 1851)

*Silurus apogon* Bleeker, 1851c: 67. Type locality: Banjarmasin. Syntypes (4, 118–175 mm TL): RMNH 6843 (in part).

*Silurus leptonema* Bleeker, 1852: 584. Type locality: Palembang, Sumatra. Holotype (268 mm TL): possibly at RMNH.

*Silurus micropogon* Bleeker, 1855: 418, 419. Type locality: Pontianak; Bandjermasin, Borneo. Apparently an unneeded new name for *Silurus apogon* Bleeker, 1851.

Distribution: Mekong and Chao Phraya river basins, Malay Peninsula, Sumatra and Borneo (Kottelat, 2001b).

#### ***Phalacronotus bleekeri*** (Günther, 1864)

*Cryptopterus bleekeri* Günther, 1864: 44. Type locality: Siam. Syntypes (2): BMNH 1863.12.4.105, and possibly BMNH 1862.11.1.208.

*Micronema bleekeri* Bocourt, 1866: 17, pl. 1 (figs. 3, 3a–c). Type locality: [Menam R. at Bangkok]. Syntypes: MNHN 0000-1546 (3).

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

Remarks: Günther (1864) cited *Micronema bleekeri* Bocourt in his account of *Cryptopterus bleekeri*. However, he did not cite a Bocourt publication in his list of cited literature (pp. vii–x) and available evidence indicates that

Bocourt's publication did not appear until 1866. Therefore, Günther's name has priority and Bocourt's must be treated as independently proposed and available.

***Phalacronotus micronemus*** (Bleeker, 1846)

*Silurus micronemus* Bleeker, 1846b: 289. Type locality: Batavia. Holotype: RMNH 6841.

*Silurus phalacronotus* Bleeker, 1851e: 429. Type locality: Sambas. Holotype (220 mm TL): Whereabouts unknown.

*Phalacronotus micruropterus* Bleeker, 1857b: 473. Type locality: Sambas, in fluviis. Holotype (220 mm TL): Whereabouts unknown. Unneeded replacement name for *Silurus phalacronotus* Bleeker, 1851, to avoid Stricklandian tautonymy.

*Micronema typus* Bleeker, 1858b: 300. Type locality: Batavia. Holotype: RMNH 6841. Unneeded new name for *Silurus micronemus* Bleeker, 1846.

*Kryptopterus deignani* Fowler, 1937: 136, figs. 10–12. Type locality: Me Poon, Siam. Holotype: ANSP 67884.

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

Remarks: BMNH 1863.12.4.75 (209 mm SL), BMNH 1863.12.4.95 (222 mm SL, 249 mm TL), and BMNH 1863.12.4.96 (122 mm SL) are incorrectly registered as the types of *Silurus micronemus*.

***Phalacronotus parvanalis*** (Inger & Chin, 1959)

*Kryptopterus parvanalis* Inger & Chin, 1959: 284, fig. 46. Type locality: Kinabatangan River at Deramakot, Kinabatangan District, North Borneo. Holotype: FMNH 68014.

Distribution: Kinabatangan River at Deramakot, North Borneo, Malaysia (Inger & Chin, 1959).

**PINNIWALLAGO** Gupta, Jayaram & Hajela, 1981

*Pinniwallago* Gupta, Jayaram & Hajela, 1981: 291. Type species: *Pinniwallago kanpurensis* Gupta, Jayaram & Hajela, 1981. Type by original designation. Gender: Masculine.

***Pinniwallago kanpurensis*** Gupta, Jayaram & Hajela, 1981

*Pinniwallago kanpurensis* Gupta, Jayaram & Hajela, 1981: 290, fig. 1. Type locality: 'Bara Tal' near village of Bhitargaon, Tehsil, Ghatampur, Kanpur, Uttar Pradesh, India. Holotype: ZSI FF1443.

Distribution: Known only from the type locality in Uttar Pradesh, India (Jayaram, 1999).

**PTEROCRYPTIS** Peters, 1861

*Pterocryptis* Peters, 1861: 712. Type species: *Pterocryptis gangelica* Peters, 1861. Type by monotypy. Gender: Feminine.

*Apodoglanis* Fowler, 1905: 463. Type species: *Apodoglanis furnessi* Fowler, 1905. Type by original designation. Gender: Masculine.

*Hito* Herre, 1924a: 702. Type species: *Hito taytayensis* Herre, 1924. Type by original designation. Gender: Masculine.

*Hitoichthys* Herre 1924b: 1570. Type species: *Hitoichthys taytayensis* Herre, 1924. Type by original designation. Gender: Masculine.

*Penesilurus* Herre, 1924a: 703. Type species: *Penesilurus palavanensis* Herre, 1924. Type by original designation. Gender: Masculine. Also described as new in Herre (1924b: 1570); earliest publication not established.

*Herklotsella* Herre, 1933: 179. Type species: *Herklotsella anomala*, Herre, 1933. Type by original designation. Gender: Feminine. Publication date stated to be Dec. 1933, but perhaps did not appear until later (Eschmeyer, 1998); priority over *Herklotsella* Fowler, 1934, which was published in January, 1934, is not clearly established.

Review: Ng & Freyhof (2001a), Vietnam.

Remarks: The revision by Kobayakawa (1989) included many of these species in an expanded *Silurus* sensu lato. Haig (1952: 82) gave precedence to *Hito* over *Hitoichthys*, after concluding that priority of publication could not be determined.

***Pterocryptis anomala*** (Herre, 1933)

*Herklotsella anomala* Herre, 1933: 179. Type locality: Hong Kong market. Holotype: SU 26769.

*Silurus sinensis* Hora, 1937d: 343, figs. 8 (c–d). Type locality: Lunchow, China. Holotype: Originally ZMFMIB 13692, apparently now at ASIZB. Name proposed for specimen identified as *Silurus wynaadensis* in Tchang (1936: 35). Preoccupied by *Silurus sinensis* La Cèpède, 1803; replaced by *Silurus gilberti* Hora, 1938.

*Silurus gilberti* Hora, 1938c: 243. Type locality: Luchow, China. Holotype: Originally ZMFMIB 13692, apparently now at ASIZB. Replacement name for *Silurus sinensis* Hora, 1937.

Distribution: Rivers draining southeastern China, from Minjiang and Pearl Rivers to vicinity of Hong Kong (Ng & Chan, 2005).

Remarks: Synonymy follows Ng & Chan (2005).

***Pterocryptis bermorei*** (Blyth, 1860)

*Silurichthys Bermorei* Blyth, 1860: 156. Type locality: Tenasserim provinces. Holotype: ZSI 481 (whereabouts unknown).

*Silurus morehensis* Arunkumar & Tombi Singh, 1997: 73, fig. 1. Type locality: Moreh Bazar, Moreh, Manipur, India. Holotype: MUMF 2211/1A.

Distribution: Southeastern Myanmar and possibly western Thailand (Ng & Freyhof, 2001a), Manipur, India (Arunkumar & Tombi Singh, 1997).

***Pterocryptis bokorensis*** (Pellegrin & Chevey, 1937)

*Penesilurus bokorensis* Pellegrin & Chevey, 1937: 315. Type locality: [Bokor, Cambodia, elev. 800–1000 m]. Holotype: MNHN 1936-0167.

Distribution: Cambodia.

Remarks: Ng & Kottelat (1998b) indicate that the species is known only from holotype, but Rainboth (1996) implies that it is a food fish, known from upland streams of the Mekong basin in Cambodia.

***Pterocryptis buccata*** Ng & Kottelat, 1998

*Pterocryptis buccata* Ng & Kottelat, 1998b: 394, figs. 1, 2a, 3a–b. Type locality: Thailand: Kanchanaburi Province, Amphoe Sai Yok, Mae Khlong basin. Holotype: ZRC 41496.

Distribution: Meklong River basin, Kanchanaburi Province, Thailand; in caves and epigeal habitats (Ng & Kottelat, 1998b).

***Pterocryptis burmanensis*** (Khin-Thant, 1966)

*Silurus burmanensis* Khin-Thant, 1966: 219, pls. 1–3. Type locality: Inlé Lake, s. Shan State, 23°35'N, 96°57'E, Burma, elev. 2915 ft. Holotype: Zoological Museum, Art and Sciences University of Rangoon 332.

Distribution: Inle Lake, Myanmar.

***Pterocryptis cochinchinensis*** (Valenciennes, 1840)

*Silurus Cochinchinensis* Valenciennes, in Cuvier & Valenciennes, 1840a: 352 (262 of Strasbourg deluxe edition). Type locality: [Cochinchine]. Syntypes: MNHN 0000-0573 (1), MNHN b-0602 (1).

Distribution: Coastal Rivers of central Vietnam, between Vinh and An Lao (Ng & Freyhof, 2001a); Xijiang [= West River], Jiulongjiang, Hainan Island (Chu *et al.*, 1999); Nam Xam basin, Laos (Kottelat, 2001b).

***Pterocryptis crenula*** Ng & Freyhof, 2001

*Pterocryptis crenula* Ng & Freyhof, 2001a: 630, fig. 6. Type locality: Vietnam: Quang Ninh province, Hai Ninh district, torrent at km 5 on road from Bac Phong Sinh to Mong Cai, 21°35'31"N, 107°43'52"E. Holotype: ZRC 46317.

Distribution: coastal rivers of northeastern Vietnam (Ng & Freyhof, 2001a).

***Pterocryptis cucphuongensis*** (Mai, 1978)

*Silurus cucphuongensis* Mai, 1978: 245, fig. 112. Type locality: Cuc Phurong, Vietnam. Holotype: DVZUT 345.

Distribution: Song Luong drainage, northern Vietnam (Ng & Freyhof, 2001a).

***Pterocryptis furnessi*** (Fowler, 1905)

*Apodoglanis furnessi* Fowler, 1905: 463, fig. 2. Type locality: Baram River, Borneo. Holotype: ANSP 114894; holotype illustrated in Bornbusch (1991a: 1071, fig. 1).

Distribution: Niah and Baram River basins, Sarawak (Bornbusch, 1991a).

Remarks: Redescribed in Bornbusch (1991a).

***Pterocryptis gangelica*** Peters, 1861

*Pterocryptis gangelica* Peters, 1861: 712. Type locality: Ganges River. Holotype: ZMB 4796; holotype illustrated in Bornbusch (1991a: 1077, fig. 4).

*Silurus afghana* Günther, 1864: 34. Type locality: Afghanistan [in error: Assam, India]. Holotype: BMNH 1860.3.19.755.



*Silurus dukai* Day, 1873: 239. Type locality: Darjeeling, India. Syntypes: AMS B.7571 (1), ZSI 1118 (1, lost), ZSI 1232 (1, lost).

Distribution: Northern India (Ng & Chan, 2005).

Remarks: Coad (1981b: 16) discussed the mistake in the reported type locality of *Silurus afghana*. Synonymy of *P. gangelica* and *S. afghana* follows Ng & Chan (2005).

***Pterocryptis inusitata*** Ng, 1999

*Pterocryptis inusitata* Ng, 1999a: 372, figs. 1–2. Type locality: Laos: Mekong Basin, Nam Theun watershed, Nam Ong at Ban Don. Holotype: ZRC 41455.

Distribution: Nam Kading basin, Mekong River system, Laos (Ng, 1999a).

***Pterocryptis taytayensis*** (Herre, 1924)

*Hito taytayensis* Herre, 1924a: 703. Type locality: Small fresh-water creek, near Taytay, Palawan, Philippines. Holotype: BSMP 9357 (presumed destroyed).

*Hitoichthys taytayensis* Herre 1924b: 1570. Type locality: Small fresh-water creek, near Taytay, Palawan, Philippines. Holotype: BSMP 9357 (presumed destroyed).

*Penesilurus palawanensis* Herre, 1924a: 704. Type locality: Lake Manguao, Palawan, Philippines. Holotype: BSMP (considered destroyed). Also described as new in Herre (1924b: 1570), earliest not established.

Distribution: Palawan, Philippines.

***Pterocryptis torrentis*** (Kobayakawa, 1989)

*Silurus torrentis* Kobayakawa, 1989: 171, fig. 33. Type locality: Lampae stream, Khaoluk village, Trang, Thailand. Holotype: NSMT-P 50234.

Distribution: Trang and Chataburi, Thailand (Kobayakawa, 1989); Myanmar localities reported by Kobayakawa may refer to specimens of *Pterocryptis berdmorei* (Ng & Freyhof, 2001a).

***Pterocryptis verecunda*** Ng & Freyhof, 2001

*Pterocryptis verecunda* Ng & Freyhof, 2001a: 636, fig. 9. Type locality: Vietnam: Hai Phong province, Cat Ba Island, Stream near entrance of Trung Trang cave, (20°47'17"N, 107°00'04"E). Holotype: ZRC 46316.

Distribution: Cat Ba Island, northeastern Vietnam (Ng & Freyhof, 2001a).

***Pterocryptis wynaadensis*** (Day, 1873)

*Silurus punctatus* Day, 1868: 155. Type locality: Stream in Wynaad, India, elev. 3000 ft. Possible syntypes: AMS B.7990 (1), BMNH 1868.5.14.6–7 (2), BMNH 1889.2.1.2521–2522 (2), NMW 77251 (1), ZMB 11221 (1), ZSI 461 (1), ZSI 1233 (1), ZSI A.480 (1). Preoccupied by *Silurus punctatus* Rafinesque, 1818, and *Silurus punctatus* Cantor, 1842.

*Silurus wynaadensis* Day, 1873c: 237. Type locality: in the Wynaad, in a stream about 3000 ft. above the level of the sea [India]. Possible syntypes: AMS B.7990 (1), BMNH 1868.5.14.6–7 (2), BMNH 1889.2.1.2521–2522 (2), NMW 77251 (1), ZMB 11221 (1), ZSI 461 (1), ZSI 1233 (1), ZSI A.480 (1). Replacement for *Silurus punctatus* Day, 1868.

Distribution: Kerala, India (Ng & Kottelat, 1998b; Jayaram, 1999).

***SILURICHTHYS*** Bleeker, 1856

*Silurichthys* Bleeker, 1856: 417, 418. Type species: *Silurus phaiosoma* Bleeker, 1851. Type by monotypy. Gender: Masculine.

Revision: Ng & Ng (1998).

***Silurichthys citatus*** Ng & Kottelat, 1997

*Silurichthys citatus* Ng & Kottelat, 1997: 204, fig. 1. Type locality: Kalimantan Barat, Sungai Sekumpai, a small forest stream flowing into Sungai Pinoh, 0°32'S, 111°39.5'E, Borneo. Holotype: MZB 3670.

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

***Silurichthys gibbiceps*** Ng & Ng, 1998

*Silurichthys gibbiceps* Ng & Ng, 1998: 301, figs. 1b, 1j, 2b, 3b, 6. Type locality: Kalimantan Tengah, Sungai Barito basin, Sungai Paku-merah (0°35.171'S, 115°11.398'E) [Indonesia]. Holotype: MZB 6101.

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

***Silurichthys hasseltii*** Bleeker, 1858

*Silurichthys Hasseltii* Bleeker, 1858: 270. Type locality: Tjisekat, in fluviis. Neotype: RMNH 2992. Illustrated in Bleeker (1862–63: pl. 87 [= Silur. pl. 39], fig. 1).

Distribution: Western Java, Bangka, Bintan, Batam, Singapore, and southern peninsular Malaysia (Ng & Ng, 1998).

Remarks: Species named on illustration that may have been based on RMNH 2992 or on another specimen that was not preserved. In the absence of conclusive evidence that the RMNH specimen was the basis of the illustration, Ng & Ng (1998: 305) selected RMNH 2992 as the neotype of the species.

***Silurichthys indragiriensis* Volz, 1904**

*Silurichthys indragiriensis* Volz, 1904: 464. Type locality: Kwintang River, near Djapura (Indragari), Sumatra. Holotype: NMW 44622.

Distribution: Central Sumatra, Bintan, Bangka, Billiton and peninsular Malaysia (Ng & Ng, 1998).

***Silurichthys marmoratus* Ng & Ng, 1998**

*Silurichthys marmoratus* Ng & Ng, 1998: 310, figs. 1e, 1f, 2e, 3e, 11. Type locality: Sarawak: Sungai Sebiris, 13.8 km after Kampung Puteh turnoff, towards Lundu on Sematan-Lundu road (1°41'32"N, 109°47'0.8"E). Holotype: ZRC 40293.

Distribution: Northern and western Borneo (Sarawak, Brunei, and Kalimantan Barat) (Ng & Ng, 1998).

***Silurichthys phaiosoma* (Bleeker, 1851)**

*Silurus phaiosoma* Bleeker, 1851: 428. Type locality: Sambas, in fluviis. Holotype (82 mm TL): RMNH 6831.

Distribution: Northwestern Borneo (Ng & Ng, 1998).

Remarks: BMNH 1863.12.4.109 (102 mm SL) and BMNH 1864.5.15.5 (79 mm SL, 100 mm TL) are registered as types, but are too large to be the holotype.

***Silurichthys sanguineus* Roberts, 1989**

*Silurichthys sanguineus* Roberts, 1989a: 151, fig. 119. Type locality: Sungai Tekam, a small forest stream, where it enters Kapuas mainstream about 5–6 km upstream from Sanggau, Western Borneo (Kalimantan Barat, Indonesia). Holotype: MZB 3673; holotype illustrated in Ng & Ng (1998: fig. 13).

Distribution: Kapuas River basin, western Borneo; known only from holotype (Ng & Ng, 1998).

***Silurichthys schneideri* Volz, 1904**

*Silurichthys schneideri* Volz, 1904: 463. Type locality: Upper Langkat, Danau near Sukaranda [Sumatra]. Holotype: NMW 44623.

*Silurichthys leucopodus* Fowler, 1939: 56, figs. 4–6. Type locality: Waterfall at Trang, Siam. Holotype: ANSP 68463.

Distribution: Northern Sumatra, northern peninsular Malaysia, southern and southeastern Thailand, and southern Cambodia (Ng & Ng, 1998).

***SILURUS* Linnaeus, 1758**

*Silurus* Linnaeus, 1758: 304. Type species: *Silurus glanis* Linnaeus, 1758. Type by Linnaean tautonymy. On Official List (ICZN Opinion 77 and Direction 56). Gender: Masculine.

*Glanis* Agassiz, 1857: 333. Type species: *Glanis aristotelis* Agassiz, 1857. Type by monotypy. Gender: Masculine. Preoccupied by *Glanis* Spix & Agassiz, 1829, in fishes.

*Parasilurus* Bleeker, 1862b: 392, 394. Type species: *Silurus japonicus* Temminck & Schlegel, 1846. Type by original designation. Gender: Masculine. Also in Bleeker (1862–63: 17).

Revision: Kobayakawa (1989), *Silurus* sensu lato, including *Pterocryptis*.

Remarks: The name *Duanensis* appears in the title of Hu *et al.* (2004) as a generic name for a species referred to in the text as a species of *Silurus*. *Duanensis* is considered a *lapsus calami* and, therefore, a *nomen nudum*.

***Silurus aristotelis* Agassiz, 1857**

*Glanis Aristotelis* Agassiz, 1857: 333. Type locality: Greece. Syntypes: MCZ 7938 (6), USNM 55895 (1).

*Silurus (Parasilurus) aristotelis* Garman, 1890: 56. Type locality: Achelouïs River, Acarnania, Greece. Syntypes: MCZ 7938 (6), USNM 55895 (1).

Distribution: Balkan Peninsula, Greece (Kobayakawa, 1989).

***Silurus asotus* Linnaeus, 1758**

*Silurus Asotus* Linnaeus, 1758: 304. Type locality: Asia. Type(s): Whereabouts unknown. Neotype designation by

Chen (1977: 206, 216) apparently valid inasmuch as ten specimens were all designated as a collective neotype (M. Kottelat, pers. commun.).

*Silurus inermis* Houttuyn, 1782: 338. Type locality: Japanese. No types known. Preoccupied by *Silurus inermis* Linnaeus, 1766; effectively replaced by *Silurus imberbis* Gmelin, 1789.

*Silurus dauuricus* Pallas 1787: 359, pl. 11 (fig. 11). Type locality: Ingoda, Onone et Arguno Dauuriae fluiis. Type(s) (20" 3" TL): possibly at ZIN or ZMB.

*Silurus imberbis* Gmelin, 1789:1361. Type locality: Japonia. On *Silurus inermis* Houttuyn and effectively replacing that name. Apparently intended as a new name to avoid the homonymy with *Silurus inermis* Linnaeus, 1766.

*Centranodon japonicus* La Cepède, 1803: 138, 139. Type locality: Japan. On *Silurus inermis* Houttuyn (1782: 338, no. 27) and *Silurus imberbis* Gmelin.

*Silurus punctatus* Cantor, 1842: 485. Type locality: Chusan [China]. Syntypes: BMNH 1968.3.11.29 (3); possibly BMNH 1843.7.21.6, BMNH 1843.7.21.24, and BMNH 1843.7.21.25 (not found), also BMNH 1860.3.19.736–737 (2), BMNH 1860.3.19.785–786 (2). Preoccupied by *Silurus punctatus* Rafinesque, 1818; apparently not replaced.

*Silurus xanthosteus* Richardson, 1845: 133, pl. 56 (figs. 12–14). Type locality: Chusan, Canton, China. Syntypes (3): BMNH 1968.3.11.29 (1) and specimen used for drawing by Reeves.

*Silurus japonicus* Temminck & Schlegel, 1846, in Temminck & Schlegel, 1843–50: 226, pl. 104 (fig. 1). Type locality: Nagasaki, Japan. Lectotype: RMNH D675, designated by Boeseman (1947: 169).

*Silurus cinereus* Dabry de Thiersant, 1872: 189, pl. 47 (fig. 1). Type locality: Yang-tsee-kiang [China]. Type(s): possibly at MNHN.

*Silurus bedfordi* Regan, 1908g: 61, pl. 2 (fig. 3). Type locality: Kimhoa [and] Chong-ju, Corea. Syntypes: BMNH 1907.12.10.66 (1), BMNH 1907.12.10.67 (1).

? *Parasilurus asotus longus* Wu, 1930a: 255, fig. 1. Type locality: Creek at Tian-Tai Mountain, Chekiang [Zhejiang], China. Syntypes (2): possibly at MNHN. Originally as *Parasilurus asotus* var. *longus*.

Distribution: Zhujiang [= Pearl River], Changjiang [=Yangtze River], Huanghe [= Yellow River], Heilongjiang [= Amur River], China (Chu *et al.*, 1999); Southern Hokkaido to Kyushu, Japan, as well as Taiwan, and northern Vietnam (Matsuura *et al.*, 2000); Common throughout Korea (Mori, 1952).

Remarks: Treated as valid as *Parasilurus asotus* in some recent publications.

#### ***Silurus biwaensis*** (Tomoda, 1961)

*Parasilurus biwaensis* Tomoda, 1961: 348, fig. 1. Type locality: Offshore of Onoé, Lake Biwa-ko, Japan. Holotype: MIKU 34407 [now at FAKU].

Distribution: Lake Biwa, Japan (Matsuura *et al.* 2000); reported from the Ueno Formation, Pliocene of ancient Lake Biwa, by Kobayakawa & Okuyama (1994a, b).

#### ***Silurus duanensis*** Hu, Lan & Zhang, 2004

*Silurus duanensis* Hu, Lan & Zhang, 2004: 586, 589, figs. 1–2. Type locality: underground rivers of Disu Town (23°34'N, 108°01'E), Du'an County, Guangxi [China]. Holotype: ASIZB 73176.

Distribution: Hongshui River basin, Pearl River drainage, China (Hu *et al.*, 2004).

#### ***Silurus glanis*** Linnaeus, 1758

*Silurus glanis* Linnaeus, 1758: 304. Type locality: Oriente, minus frequens in Europae lacubus. Syntypes: BMNH 1853.11.12.168 (1, skin), NRM 59 (1). Placed on Official List as type of *Silurus* (ICZN Direction 57).

*Silurus silurus* Wulff, 1765: 33. Type locality: Germany. No types known.

*Silurus glanis aralensis* Kessler, 1872: 48. Type locality: Amu-Darya, Syr-Darya, and Zeravshan rivers, cent. Asia. Syntype (3): ZISP 2071 (1). Originally as *Silurus glanis* var. *aralensis*.

? *Silurus chantrei* Sauvage, 1882: 163. Type locality: Fleuve Koura à Tiflis. Syntypes: MNHN a-3932 (2); described in more detail and illustrated in Sauvage (1884b: 19, pl. 1, fig. 1).

Distribution: Danube basin, all Baltic basin drainages, Elbe River, Lake Constance, Murtensee, and Rivers draining the Caspian, Azov and Aral Seas (Lelek, 1987); Lake Urmia, Tedhzen River and possibly Tigris River basin (Coad, 1995), widely introduced elsewhere in Europe, including Great Britain, France, Italy, the Iberian Peninsula, and rivers flowing into the Arctic Ocean.

#### ***Silurus grahami*** Regan, 1907

*Silurus grahami* Regan, 1907a: 64. Type locality: Chien Kiung Lake, 30 mi. southeast of Yunnan Fu, China. Holotype: BMNH 1907.5.4.46.

Distribution: Fuxian Lake, Yunnan, China (Chu *et al.*, 1999)

***Silurus lanzhouensis*** Chen, 1977

*Silurus lanzhouensis* Chen, 1977: 210, pl. 2 (fig. 8). Type locality: [Yellow River system, Lanchow and Inner Mongolia, China]. Syntypes: Mus. Inst. Hydrobiol. Acad. Sinica, Hupei [LAN] 001-003 (3), [NEI] 004-005 (2), [NEI] 769739-42 (4).

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

***Silurus lithophilus*** (Tomoda, 1961)

*Parasilurus lithophilus* Tomoda, 1961: 350, fig. 2. Type locality: Near Onoé, Lake Biwa-ko, Japan. Holotype: MIKU 34411 [now at FAKU].

Distribution: Lake Biwa and Lake Yogo, Japan (Masuda *et al.*, 1984).

***Silurus mento*** Regan, 1904

*Silurus mento* Regan, 1904a: 192. Type locality: Sea of Tien [Tien Chih], Yunnan Fu, China, elev. 6000 ft. Syntypes: BMNH 1904.1.26.40–41 (2).

Distribution: Lakes of Dianchi and Yilong, Yunnan, China (Chu *et al.*, 1999)

***Silurus meridionalis*** Chen, 1977

*Silurus soldatovi meridionalis* Chen, 1977: 209, pl. 2 (fig. 7). Type locality: [Yangtze R. system, China]. Syntypes: ? Mus. Inst. Hydrobiol. Acad. Sinica, Hupei 101–102 (2), 0719 (1), 66.5.194–195 (2), 731419 (1), 731494 (1), 746003 (1), 746008–09 (2).

Distribution: Yangtze River basin, China.

***Silurus microdorsalis*** (Mori, 1936)

*Parasilurus microdorsalis* Mori, 1936: 671, pl. 24 (fig. 1). Type locality: River Rakuto at Ei-yo, South Chosen [Korea]. Holotype: At Preparatory Department of Keijo Imperial University.

Distribution: Yalujiang [= Amnok River], China (Chu *et al.*, 1999); Upper reaches of the Yalu, Han, Kim, Naktong and Anpyeng Rivers, Korea (Mori, 1952).

***Silurus soldatovi*** Nikolsky & Soin, 1948

*Silurus soldatovi* Nikolsky & Soin, 1948: 1359, fig. 1. Type locality: [Amur River, Lake Kabar at Elabuga, Khabarovskiy Krai, Russia]. Holotype: ZMMU P-6505.

Distribution: Heilongjiang [=Amur River] China and Russia; Liaohe, China (Chu *et al.*, 1999)

***Silurus triostegus*** Heckel, 1843

*Silurus triostegus* Heckel, 1843: 1090, pl. 13 (fig. 1). Type locality: dem Tigris bei Mossul. Syntypes (4): at NMW, SMF 2623 (1).

Distribution: Tigris River basin (Coad, 1995); Euphrates River, Turkey (Ünlü & Bozkurt, 1996).

**WALLAGO** Bleeker, 1851

*Wallago* Bleeker, 1851b: 265. Type species: *Silurus Mülleri* Bleeker, 1846. Type by subsequent designation by Bleeker (1862: 17, 79). Gender: Masculine.

*Silurodon* Kner, 1866: 546. Type species: *Silurodon hexanema* Kner, 1866. Type by monotypy. Gender: Masculine. Also described as new in Kner (1867: 305).

*Wallagonia* Myers, 1938: 98. Type species: *Wallago leerii* Bleeker, 1851. Type by original designation. Gender: Feminine.

Remarks: See Myers (1938: 98, 1948: 19) and Kottelat (2000b: 87) concerning the history of problems surrounding designation of type species of *Wallago*.

Revision, with key to species: Roberts (1982b).

***Wallago attu*** (Bloch & Schneider, 1801)

*Silurus attu* Bloch & Schneider, 1801: 378, pl. 75. Type locality: in lacubus Malabaricae. Holotype: ZMB 8783 (dry, lost). As *Silurus athu* in text and index, *Silurus attu* on plate; first reviser apparently Bleeker (1862–63: 79) in which *Wallago attu* is treated as valid over *Wallago athu* [sic.].

*Silurus boalis* Hamilton, 1822: 154, 375, pl. 29 (fig. 49). Type locality: Rivers not only of the Gangetic provinces,

but all over India, and is occasionally found in ponds. No types known.

*Silurus (Callichrus) macrostomus* Swainson, 1839: 306. Type locality: Rivers not only of the Gangetic provinces, but all over India, and is occasionally found in ponds. No types known. Name made available by reference to "Ham. 154, pl. 29, fig. 49" [= Hamilton, 1822: 154, 375, pl. 29 (fig. 49)]. Unneeded new name for *Silurus boalis* Hamilton, 1822.

*Silurus Wallagoo* Valenciennes, in Cuvier & Valenciennes, 1840a: 354. Type locality: Bengale, .... la côte de Coromandel, .... pays des Birmans. Syntypes: based on specimens at MNHN and literature accounts in Bloch & Schneider (1801), Russell (1803), and Hamilton (1822).

*Silurus Mülleri* Bleeker, 1846b: 289. Type locality: Batavia. Type(s): Whereabouts unknown.

*Wallago Russellii* Bleeker, 1854c: 108. Type locality: Calcutta, in fluminae Hooghly ... Batavia, in fluviis. Syntypes (4, 285–485 mm TL): Whereabouts unknown, and numerous literature citations.

*Wallago attu valeyae* Deraniyagala, 1953: 45. Type locality: Yakvala, Ceylon. Holotype: NMSL FF187; illustrated in Deraniyagala (1952: pl. 13, as *Wallagonia attu*).

Distribution: India, Malay Peninsula, Sumatra, Java, and Mekong and Chao Phraya River basins (Kottelat, 2001b).

Remarks: Redescribed in Hora (1939b) as *Wallagonia attu*.

***Wallago leerii*** Bleeker, 1851

*Wallago Leerii* Bleeker, 1851e: 427. Type locality: Sambas et Palembang, in fluviis. Syntypes (2, 225, 230 mm TL): RMNH 6833 (2 of 4).

*Wallago nebulosus* Vaillant, 1902: 46. Type locality: Tepoe, bords du Mahakam, Bornéo central. Holotype: RMNH 7812; holotype illustrated by Roberts (1982b: fig. 3a).

*Wallagonia tweediei* Hora & Misra, in Hora & Gupta, 1941: 18, figs. 2–3. Type locality: Kuala Tahan, Pahang, Malaysia. Holotype: ZRC 350 (plaster cast with head and fins built in); ZSI F13365/1 (right anterior gill arch of holotype).

Distribution: Malay Peninsula, Sumatra and Borneo (Kottelat, 2001b; Ng, 2004a).

***Wallago maculatus*** Inger & Chin, 1959

*Wallago maculatus* Inger & Chin, 1959: 279. Type locality: Kinabatangan River at Deramakot, Kinabatangan District, North Borneo. Holotype: FMNH 68038.

Distribution: Kinabatangan River, Borneo; known only from type series (Roberts (1982b)).

***Wallago micropogon*** Ng, 2004

*Wallago micropogon* Ng, 2004a: 93, fig. 1. Type locality: Cambodia: Stung Treng morning market (13°30.0'N, 105°58.0'E). Holotype: UMMZ 232320.

Distribution: Mekong River basin of Cambodia, Laos and Vietnam, and middle Chao Phraya River basin (Ng, 2004a).

***Species inquirenda, Wallago***

*Silurodon hexanema* Kner, 1866: 546. Type locality: Von Schanghai. Holotype (6 1/3"): at NMW. Described in more detail and illustrated in Kner (1867: 305, pl. 12, fig. 2 [as *Wallago attu* ?]).

***Species inquirendae, Siluridae***

*Silurus sinensis* La Cepède, 1803: 58, 82, pl. 2 (fig. 1). Type locality: China. No types known: based on an unpublished drawing.

*Silurus sinensis* M'Clelland, 1844a: 402. Type locality: China. No types known. Preoccupied by *Silurus sinensis* La Cepède, 1803.

*Silurichthys basilewskii* Bleeker, 1858b: 256. Type locality: China borealis. Based on specimens identified as *Silurus asotus* in Basilewsky (1855). Originally *Silurichthys ? basilewskii*.

*Belodontichthys javanensis* Hardenberg, 1938: 311. Type locality: Fish market of Batavia. Holotype (215 mm): Whereabouts unknown.

† *Silurus altus* Sytchevskaya, 1989. [No other information; in Gayet & Meunier, 2003].

Distribution: middle Miocene to lower Pliocene, Russia; Lower/Middle Miocene, China; Miocene or Pliocene of Tueirusia Formation, Russia (Gayet & Meunier, 2003).

† *Heterobranchus austriacus* Thenius, 1952. [No other information; in Gayet & Meunier, 2003].

Distribution: Bruun-Vösendorf, Austria, Pannonian (Gayet & Meunier, 2003).

Remarks: Included in Siluridae and probably *Silurus* by Gayet & Meunier (2003), following Gaudant (1994).

† *Silurus glanis atavus* Bogačew, 1924. [No additional information; from Weiler, 1956: 187.]

## **SISORIDAE Bleeker, 1858**

Sisorichthyoidei Bleeker, 1858b: 48, 50. Type genus: *Sisor* Hamilton, 1822.

Glyptosterni Gill, 1861c: 53. Type genus: *Glyptosternon* M'Cllelland, 1842.

Erethistides Bleeker, 1862 (in Bleeker, 1862–63): 13. Type genus: *Erethistes* Müller & Troschel, 1849.

Bagarina Günther, 1864: 3, 9, 183. Type genus: *Bagarius* Bleeker, 1854.

Exostomatina Günther, 1864: 264. Type genus: *Exostoma* Blyth, 1860.

Continae de Pinna, 1996: 64. Type genus: *Conta* Hora, 1950.

Glyptothoracini de Pinna, 1996: 64. Type genus: *Glyptothorax* Blyth, 1860.

Laguvia de Pinna, 1996: 65. Type genus: *Laguvia* Hora, 1921.

Pseudecheneidina de Pinna, 1996: 64. Type genus: *Pseudecheneis* Blyth, 1860.

Revision: Hora & Silas (1952a, glyptosternoids).

Review: Chu (1986, western China); Chu & Kuang (1990, Yunnan, China); Chu & Mo (1999, China); Menon (1999, India); Mirza & Hameed (1974, Pakistan).

Phylogeny: de Pinna (1996); Diogo *et al.* (2002, 2003b); Hora & Silas (1952b, glyptosternoids), Chu (1979, glyptosternoids), He (1996b, glyptosternoids), Peng *et al.* (2004, glyptosternoids), Guo *et al.* (2005, glyptosternoids).

Identification guide: Jayaram (1979, South Asia).

Historical biogeography: Hora & Silas (1952b), He (1995, glyptosternoids).

Remarks: In 1996, de Pinna removed several taxa from the Sisoridae and placed them into the family Erethistidae. Those taxa, placed herein within the genera *Conta*, *Erethistes*, *Erethistoides*, *Hara* and *Pseudolaguvia*, together with the subsequently named genera *Ayarnangra* and *Caelatoglanis*, appear instead to be part of a natural subgroup within the Sisoridae that includes the genus *Glyptothorax* and possibly others, but not the glyptosternoid genera (Ferraris & Britz, 2005; pers. obs.; and pers. commun., H. H. Ng, 2005). Therefore, the taxa placed in the Erethistidae by de Pinna are returned to the Sisoridae.

22 genera, 167 species; 1 named fossil species.

### ***Incertae sedis***

*Laguvia manipurensis* Arunkumar, 2000

*Laguvia manipurensis* Arunkumar, 2000: 194, fig. 1. Type locality: Lairaok Maru stream near Moreh, 110 km from Imphal City, Manipur, India. Holotype: MUMF 3001/1A.

Distribution: Yu River basin, Chindwin River basin, Manipur, India (Arunkumar, 2000).

Remarks: Although described as a species of *Laguvia*, neither the description nor the illustration are sufficient to assign this species to genus or even family.

**AYARNANGRA** Roberts, 2001

*Ayarnangra* Roberts, 2001: 83. Type species: *Ayarnangra estuarius* Roberts, 2001. Type by original designation.

Gender: Masculine.

*Ayarnangra estuarius* Roberts, 2001

*Ayarnangra estuarius* Roberts, 2001: 84, figs. 1–3. Type locality: Pathein Chaung (=Ngawan Chaung) near Pathein, lower Ayeyarwaddy basin, Myanmar. Holotype: KUMF 3190.

Distribution: Coastal portions of Irrawaddy and Bago rivers, Myanmar.

**BAGARIUS** Bleeker, 1854

*Bagarius* Bleeker, 1854c: 121. Type species: *Pimelodus bagarius* Hamilton, 1822. Type by monotypy. Gender: Masculine.

Revision: Roberts (1983).

***Bagarius bagarius*** (Hamilton, 1822)

*Pimelodus bagarius* Hamilton, 1822: 186, 378, pl. 7 (fig. 62). Type locality: Ganges River. No types known.

*Pimelodus platespogon* Valenciennes, 1840, in Jacquemont, 1835–44: pl. 18 (fig. 3). Type locality: l'Inde. Holotype: MNHN 0000-2904 (1 of 2). Name made available by plate caption, therefore the illustrated specimen is the holotype if distinguishable.

*Bagarius Buchanani* Bleeker, 1854c: 121. Type locality: Calcutta, in flumine Hooghly; Surakata, Javae centrals, in flumine Pepeh. Syntype (3): possibly NMV 46015 (1). Considered to be an unneeded new name for *Pimelodus bagarius* Hamilton by Roberts (1983), to avoid Stricklandian tautonymy.

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

Remarks: Redescribed in Hora (1939a).

† ***Bagarius gigas*** Gunther, 1876

† *Bagarius gigas* Gunther, 1876: 436, pl. 16, fig. 1. Type locality: Highlands of Padang, Sumatra; Tertiary. Holotype BMNH 47513 (Imperfect pectoral arch, etc.).

Distribution: Highlands of Padang, Sumatra; reportedly from Eocene, but age questioned by Gayet & Meunier (2003).

Remarks: See Sanders (1934) for additional information.

***Bagarius rutilus*** Ng & Kottelat, 2000

*Bagarius rutilus* Ng & Kottelat, 2000b: 10, fig. 3. Type locality: Market in Hanoi, Viet Nam. Holotype: ZRC 40440.

Distribution: Nam Xan and Nam Ma basins, Laos, and Red River basin, Viet Nam and China (Kottelat, 2001b).

***Bagarius suchus*** Roberts, 1983

*Bagarius suchus* Roberts, 1983: 442, figs. 2c, 4. Type locality: Thailand, Kemrat. Holotype: ANSP 89521.

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

***Bagarius yarrelli*** (Sykes, 1839)

*Bagrus Yarrelli* Sykes, 1839: 163. Type locality: Mota Mola at Poona, Deccan, India. Type(s): Whereabouts unknown. Also described as new in Sykes (1840: 60); illustrated and described in more detail in Sykes (1841: 370, pl. 65, fig. 1).

*Pimelodus Carnaticus* Jerdon, 1849: 341. Type locality: Bowany River, southern India. No types known.

*Bagarius lica* Volz, 1903a: 557. Type locality: Moresi R. at Palembang, Sumatra. Holotype: at NMBE. Described in more detail in Volz (1903b: 391).

*Bagarius Nieuwenhuisii* Popta, 1904: 190. Type locality: le Bo, Bornéo central. Holotype: RMNH 7561; described in more detail, with illustration of holotype, in Popta (1906: 66, pl. 4, fig. 14).

Distribution: Widely distributed in southern and southeastern Asia (Kottelat, 2001b).

**CAELATOGLANIS** Ng & Kottelat, 2005

*Caelatoglanis* Ng & Kottelat, 2005: 14. Type species: *Caelatoglanis zonatus* Ng & Kottelat, 2005. Type by original designation. Gender: Masculine.

***Caelatoglanis zonatus*** Ng & Kottelat, 2005

*Caelatoglanis zonatus* Ng & Kottelat, 2005: 14, fig. 2. 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 49885.

Distribution: Ataran River basin, Myanmar (Ng & Kottelat, 2005).

**CONTA** Hora, 1950

*Conta* Hora, 1950: 194. Type species: *Pimelodus conta* Hamilton, 1822. Type by original designation. Gender: Fem-

inine.

***Conta conta*** (Hamilton, 1822)

*Pimelodus conta* Hamilton, 1822: 191, 378. Type locality: River Mahananda [Bengal]. No types known. Previously unpublished Hamilton illustration reproduced in Hora (1929: pl. 21, fig. 8), and subsequently reproduced in Hora (1950: 297, fig. 4a) and Ng (2005a: 28, fig. 6).

*Hara elongata* Day, 1872: 704. Type locality: Stream near Garrow hills. Holotype: ZSI 436. Illustration of holotype first published in Day (1877: pl. 92, fig. 5) and reproduced in Ng (2005a: 28, fig. 7).

Distribution: Bhareli and Mahananda Rivers, northeast Bengal, Garo Hills, Meghalaya; and Bangladesh (Jayaram, 1979); also Sarda River, Uttar Pradesh (Tilak, 1987).

***Conta pectinata*** Ng, 2005

*Conta pectinata* Ng, 2005a: 24, fig. 1. Type locality: India: Assam: Dibrugarh. Holotype: ZRC 49672.

Distribution: Middle Brahmaputra River basin, Assam, India (Ng, 2005a).

**ERETHISTES** Müller & Troschel, 1849

*Erethistes* Müller & Troschel, 1849: 12. Type species: *Erethistes pusillus* Müller & Troschel, 1849. Type by monotypy. Gender: Masculine.

***Erethistes maesotensis*** Kottelat, 1983

*Erethistes maesotensis* Kottelat, 1983: 71, figs. 1–2. Type locality: Thailand: Tak province: Mae Nam Moei, 5 km W of Mae Sot (16°41'N, 98°31'E). Holotype: MHNG 2096.63.

Distribution: Mae Nam Moei, Salween River basin, Thailand (Kottelat, 1983).

***Erethistes pusillus*** Müller & Troschel, 1849

*Erethistes pusillus* Müller & Troschel, 1849: 12, pl. 1 (fig. 3). Type locality: Assam. Holotype: ZMB 3102; holotype illustration reproduced by Hora (1950: 187, pl. 1, fig. 5, as *Erethistes pussilus*).

Distribution: Ganges River basin, Assam, India.

**ERETHISTOIDES** Hora, 1950

*Erethistoides* Hora, 1950: 190. Type species: *Erethistoides montana* Hora, 1950. Type by original designation. Gender: Masculine.

***Erethistoides ascita*** Ng & Edds, 2005

*Erethistoides ascita* Ng & Edds, 2005a: 240, fig. 1. Type locality: Nepal: Jhapa, Bhadrapur, Mechi River at Bhadrapur, 26°32'17.9"N, 88°6'6.1"E. Holotype: KU 35016.

Distribution: Rivers of lowland plains of southeastern Nepal (Ng & Edds, 2005a).

***Erethistoides cavatura*** Ng & Edds, 2005

*Erethistoides cavatura* Ng & Edds, 2005a: 243, fig. 5. Type locality: Nepal: Chitawan, Dhungre River at Sauraha. Holotype: OSUS 15572.

Distribution: Narayani River basin, Nepal (Ng & Edds, 2005a).

***Erethistoides montana*** Hora, 1950

*Erethistoides montana* Hora, 1950: 191, pl. 1 (figs. 10–12). Type locality: Streamlets round about Tangla, Darrang district, Assam [India]. Holotype: ZSI F314/2.

Distribution: Brahmaputra River basin, India (Ng, 2005f).

***Erethistoides pipri*** Hora, 1950

*Erethistoides montana pipri* Hora, 1950: 193, pl. 1 (figs. 7–9). Type locality: Pipri, Rihand River, Mirzapur district, U. P. [India]. Holotype: ZSI F315/2.

Distribution: Rihand River, Uttar Pradesh, India (Hora, 1950); known only from holotype (Jayaram, 1979).

***Erethistoides sicula*** Ng, 2005

*Erethistoides sicula* Ng, 2005f: 2, fig. 1. Type locality: India: West Bengal, Schutunga River (tributary of the Mansai River) as Ansole, 26°22'24"N 89°11'17"E. Holotype: UMMZ 243718.

Distribution: Mansai River drainage, Brahmaputra River basin, India (Ng, 2005f: 6).

**EUCHILOGLANIS** Regan, 1907



*Chimarrichthys* Sauvage, 1874: 332. Type species: *Chimarrichthys davidi* Sauvage, 1874. Type by monotypy. Gender: Masculine.

*Euchiloglanis* Regan, 1907c: 158. Type species: *Chimarrichthys davidi* Sauvage, 1874. Type by being a replacement name. Gender: Masculine. Proposed as a replacement for *Chimarrichthys* Sauvage, 1874, then considered to be preoccupied by *Cheimarrichthys* Haast, 1874, in fishes.

*Coraglanis* Hora & Silas, 1952a: 12. Type species: *Euchiloglanis kishinouyei* Kimura, 1934. Type by original designation. Gender: Masculine.

Remarks: *Chimarrichthys* Sauvage, 1874, is not actually preoccupied by *Cheimarrichthys* Haast, 1874, but the name has apparently not been used as valid since Regan (1907c) proposed *Euchiloglanis* as a replacement. The prevailing usage requirements of the Code require that *Euchiloglanis* be treated as valid here. *Coraglanis* Hora & Silas is generally treated as valid as a monotypic genus for *Coraglanis kishinouyei* in Indian literature. He (1996b) indicated that *Euchiloglanis kishinouyei* shared derived characters uniquely with *Euchiloglanis davidi* and placed the two into *Euchiloglanis*.

***Euchiloglanis davidi*** (Sauvage, 1874)

*Chimarrichthys Davidi* Sauvage, 1874: 333. Type locality: Yao-Tchy, Thibet oriental. Syntypes: BMNH 1923.3.13.1 (1), MNHN 0000-6273 (3), MNHN 0000-6274 (3).

Distribution: Chinijiang, Sichuan (Chu *et al.*, 1999); eastern Tibet.

***Euchiloglanis kishinouyei*** Kimura, 1934

*Euchiloglanis Kishinouyei* Kimura, 1934: 178, pl. 6. Type locality: Kwan-hsien, Szechwan Province, China. Holotype: at Laboratory of Biological Department of the Shanghai Science Institute, Shanghai.

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

**EXOSTOMA** Blyth, 1860

*Exostoma* Blyth, 1860: 155. Type species: *Exostoma berdmorei* Blyth, 1860. Type by subsequent designation, by Bleeker (1862–1863: 13). Gender: Neuter.

Remarks: See Regan (1923) for comments on this genus.

***Exostoma berdmorei*** Blyth, 1860

*Exostoma Berdmorei* Blyth, 1860: 155. Type locality: Tenasserim [Burma]. Syntypes: ASB 597 (2), (now at ZSI). Possible syntype: ASB 600.

Distribution: Eastern Myanmar.

***Exostoma labiatum*** (M'Clelland, 1842)

*Glyptosternon labiatum* M'Clelland, 1842: 588. Type locality: Mishmee Hills Upper Assam [India]. Holotype: BMNH 1860.3.19.97.

Distribution: Yaluzangbujiang [= upper Brahmaputra River], and Irrawaddy River (Chu *et al.*, 1999).

***Species inquirendae, Exostoma***

*Glyptosternum chaudhuri* Hora, 1923b: 41, fig. 7. Type locality: Putao Plains, northern frontier of Burma. Holotype: ZSI F9741/1. Treated as a synonym of either *E. labiatum* or *E. vinciguerrae*.

*Glyptosternum stuarti* Hora, 1923b: 39, pl. 2 (figs. 4–6). Type locality: Nam-Yak River at Tanja, on the northern frontier of Burma. Holotype: ZSI F9742/1. Treated either as valid or as a synonym of *E. labiatum*.

*Exostoma Vinciguerrae* Regan, 1905a: 184. Type locality: Khakhyen Hills, upper Burma. Holotype: BMNH 1893.2.16.17. Treated either as valid or as a synonym of *E. labiatum*. See Steinitz (1961) for comments on taxonomy.

**GAGATA** Bleeker, 1858

*Gagata* Bleeker, 1858b: 204, 206. Type species: *Pimelodus gagata* Hamilton, 1822. Type by absolute tautonymy. Gender: Feminine.

*Callomystax* Günther, 1864: 218. Type species: *Pimelodus gagata* Hamilton, 1822. Type by being a replacement name. Gender: Masculine. Unneeded replacement for *Gagata* Bleeker, 1858.

Revision: Hora & Law (1941); Roberts & Ferraris (1998).

***Gagata cenia*** (Hamilton, 1822)

*Pimelodus cenia* Hamilton, 1822: 174, 376, pl. 31 (fig. 57). Type locality: Northern parts of Bengal, where it frequents rivers. No types known.

Distribution: Ganges, Indus and Mahanadi river basins (Roberts & Ferraris, 1998).

***Gagata dolichonema*** He, 1996

*Gagata dolichonema* He, 1996a: 380, fig. 1. Type locality: Daojieba of Baoshan County, (24°41'N, 99°10'E), Yunnan Province, China. Holotype: IHASW 791.

*Gagata gasawuyuh* Roberts & Ferraris, 1998: 325, figs. 6–7. Type locality: Myanmar, Tenasserim River mainstream upstream from Kita (or Htee-tah). Holotype: CAS 95544.

Distribution: Upper Salween River basin, China and Irrawaddy, Salween and Tenasserim River basins, Myanmar (Roberts & Ferraris, 1998).

Remarks: Synonymy based on recent examination of specimens from the vicinity of the type locality of *Gagata dolichonema*, and photograph of the holotype.

***Gagata gagata*** (Hamilton, 1822)

*Pimelodus gagata* Hamilton, 1822: 197, 379, pl. 39 (fig. 65). Type locality: Fresh water rivers and estuaries of Bengal. No types known.

*Gagata typus* Bleeker, 1863c: 90. Type locality: Fresh water rivers and estuaries of Bengal. No types known. Unneeded new name for *Pimelodus gagata* Hamilton, 1822.

Distribution: Ganges River basin, India and Bangladesh (Roberts & Ferraris, 1998).

***Gagata itchkeea*** (Sykes, 1839)

*Phractocephalus itchkeea* Sykes, 1839: 164. Type locality: Deccan, India. Type(s): at BMNH. Also described as new in Sykes (1840: 61) Illustrated and described in more detail in Sykes (1841: 373, pl. 67, fig. 1).

*Arius pumilus* Valenciennes, 1840, in Jacquemont, 1835–44: pl. 18 (fig. 1). Type locality: Inde. Syntypes: MNHN 0000-1208 (8). Name made available from caption on plate.

Distribution: Narmada, Krishna and Cauvery River basins, India (Roberts & Ferraris, 1998).

Remarks: Synonymy of *Arius pumilus* based on examination of types; illustrated specimen of *A. pumilus* is arguably a holotype, but it could not be readily distinguished from remaining specimens.

***Gagata melanoptera*** Roberts & Ferraris, 1998

*Gagata melanopterus* Roberts & Ferraris, 1998: 330, fig. 10. Type locality: Myanmar: Yangon Division, Hlaing River, 16°53'41"N, 96°05'28"E. Holotype: USNM 348852.

Distribution: Irrawaddy, Rangoon, Sittang and lower Salween River basins, Myanmar (Roberts & Ferraris, 1998).

***Gagata pakistanica*** Mirza, Parveen & Javed, 1999

*Gagata pakistanica* Mirza, Parveen & Javed, 1999: 1, fig. 1. Type locality: River Indus near Ghazi, Pakistan. Holotype: Disposition not stated in publication, but presumably deposited at GCM.

Distribution: Indus River, Pakistan (Mirza, 2003).

***Gagata sexualis*** Tilak, 1970

*Gagata sexualis* Tilak, 1970b: 207, fig. 1. Type locality: North Koel River at Daltonganj (Chotanagpur) [South Bihar, India]. Holotype: ZSI F5592/2.

*Gagata youssoufi* Aatur Rahman, 1976: 5, fig. 1. Type locality: river Meghna near Chandpur, Bangladesh. Holotype: at Museum of Freshwater Fisheries Research Station, Chandpur, Bangladesh.

Distribution: Ganges and Brahmaputra River basins (Roberts & Ferraris, 1998).

Remarks: Synonymy based on Heok Hee Ng (pers. comm., 2003).

***GLARIDOGLANIS*** Norman, 1925

*Glaridoglanis* Norman, 1925b: 574. Type species: *Exostoma andersonii* Day, 1870. Type by monotypy. Gender: Masculine.

***Glaridoglanis andersonii*** (Day, 1870)

*Exostoma andersonii* Day, 1870b: 524. Type locality: Hotham; and Pensee, China. Possible syntypes: ZSI F9173-74/1 [? = A.595] (2), ZSI A.596 (2, lost), AMS B.8081 (1).

Distribution: Yaluzangbujiang [= upper Brahmaputra River], and Irrawaddy River, China (Chu *et al.*, 1999).

**GLYPTOSTERNON** M'Clelland, 1842

*Glyptosternon* M'Clelland, 1842: 584. Type species: *Glyptosternon reticulatus* M'Clelland, 1842. Type by subsequent designation by Bleeker (1862–63: 12). Gender: Neuter

*Glyptosternum* Agassiz, 1846: 164. Type species: *Glyptosternon reticulatus* M'Clelland, 1842. Unjustified emendation of *Glyptosternon* M'Clelland, 1842. Gender: Neuter.

*Parexostoma* Regan, 1905a: 182. Type species: *Exostoma stoliczkae* Day, 1877. Type by subsequent designation, apparently by Jordan (1920: 515). Gender: Neuter.

Remarks: Blyth (1860: 154) restricted *Glyptosternon* to a single species, but did not, by that action, designate that species, *G. reticulatus*, as type. See Regan (1923) for comments on this genus.

***Glyptosternon akhtari*** Silas, 1952

*Glyptosternum akhtari* Silas, in Hora & Silas, 1952a: 11, pl. 1 (figs. 4–6). Type locality: Bamian River, Oxus watershed, Afghanistan. Holotype: ZSI F643/2.

Distribution: Bamian River, Oxus watershed, Afghanistan (Hora & Silas, 1952a).

***Glyptosternon maculatum*** (Regan, 1905)

*Parexostoma maculatum* Regan, 1905a: 183. Type locality: Lhasa, Tibet. Syntypes: BMNH 1904.12.28.87–88 (2).

Distribution: Yaluzangbujiang [= upper Brahmaputra River] (Chu *et al.*, 1999).

***Glyptosternon malaisei*** Rendahl & Vestergren, 1941

*Glyptosternon malaisei* Rendahl & Vestergren, 1941: 213. Type locality: Kambaiti, Kachin State, Irrawaddy River drainage, Burma, 7000 ft. elev. Holotype: NRM 10721.

Distribution: Irrawaddy River drainage, northern Myanmar (Rendahl & Vestergren, 1941).

***Glyptosternon reticulatum*** M'Clelland, 1842

*Glyptosternon reticulatus* M'Clelland, 1842: 584. Type locality: Sir-i-Chusma, at the source of the Cabul River [Afghanistan]. No types preserved. Name spelled *Glyptosternon retuculatus* and *Glyptosternon reticulatus* in original description; Kullander *et al.* (1999: 146) apparently serve as first revisers in selecting *reticulatus*.

*Exostoma stoliczkae* Day, 1877b: 782. Type locality: Upper waters of the Indus River. Possible syntypes: AMS I.122 (1), ZSI F497 (1), ZSI 1196–98 (3, lost).

*Exostoma gracile* Gratzianov, 1907: 58. Type locality: Naryn R. drainage, upper Syr-Darya R. basin, Namangan-skaya Obl., Uzbekistan. Holotype: ZMMU P-785.

*Exostoma labrax* Gratzianov, 1907: 59. Type locality: Garm dist., mountain spring Kartveng at kishlak Shulmak, Garmaskaya Obl., Tadzhikistan. Syntypes: ZMMU P-2034 (2).

Distribution: Upper Jhelum basin and Gilgit River, Indus River drainage, Pakistan and Kashmir (Kullander, 1999).

Remarks: See Steinitz (1961) for comments on taxonomy. Redescribed in Hora (1932).

**GLYPTOTHORAX** Blyth, 1860

*Glyptothorax* Blyth, 1860: 154. Type species: *Glyptosternon striatus* M'Clelland, 1842. Type by subsequent designation by Bleeker (1862–1863: 13). Gender: Masculine.

*Aglyptosternon* Bleeker, 1862 (in Bleeker, 1862–63): 12. Type species: *Silurus cous* Linnaeus, 1766. Type by original designation. Gender: Neuter.

*Eucliptosternum* Günther, 1864: 183. Type species: *Silurus cous* Linnaeus, 1766. Unjustified emendation of *Acliptosternon* [sic, *Aglyptosternon* Bleeker, 1862]. Gender: Neuter.

*Pteroglanis* Fowler, 1934a: 92. Type species: *Pteroglanis horai* Fowler, 1934. Type by original designation. Preoccupied by *Pteroglanis* Eigenmann & Pearson, 1924, in fishes, replaced by *Pteropsoglanis* Fowler, 1934. Gender: Masculine.

*Pteropsoglanis* Fowler, 1934b: 351. Type species: *Pteroglanis horai* Fowler, 1934. Type by being a replacement name. Replacement for *Pteroglanis* Fowler, 1934; preoccupied by *Pteroglanis* Eigenmann & Pearson, 1924. Gender: Masculine.

*Sundagagata* Boeseman, 1966: 243. Type species: *Sundagagata robusta* Boeseman, 1966. Type by original designation. Gender: Feminine.

*Paraglyptothorax* Li, 1986: 524. Type species: *Glyptosternum pallozonum* Lin, 1934. Type by original designation.

Gender: Masculine. Originally proposed as a subgenus of *Glyptothorax*.

*Superglyptothorax* Li, 1986: 524. Type species: *Glyptothorax coheni* Ganguly, Datta & Sen, 1972. Type by original designation. Gender: Masculine. Originally proposed as a subgenus of *Glyptothorax*.

Key: Mo & Chu (1986, Chinese species).

Review: Menon, M. A. S. (1955, India and Burma, with key), Sufi (1963, Pakistan).

Remarks: Extension of the eastern limit of the distribution of this genus into the Black Sea of Turkey noted by Coad & Delmastro (1985).

***Glyptothorax alaknandi*** Tilak, 1969

*Glyptothorax brevipinnis alaknandi* Tilak, 1969: 42, figs. 8–11. Type locality: Alaknanda River, near Srinagar, dist. Pauri Garhwal, Uttar Pradesh, India. Holotype: ZSI F6154/2.

Distribution: Alaknanda River, Uttar Pradesh, India (Jayaram, 1999).

***Glyptothorax anamalaiensis*** Silas, 1951

*Glyptothorax anamalaiensis* Silas, 1951b: 370. Type locality: Streams at base of Anamalai Hills, South India. Holotype: ZSI F629/2; illustrated in Silas (1951a: pl. 1, figs 1–3), as *Glyptothorax prox. madraspatanus* Day.

Distribution: Anamalai Hills, Kerala, India (Jayaram, 1999).

***Glyptothorax annandalei*** Hora, 1923

*Glyptothorax annandalei* Hora, 1923b: 14, pl. 1 (fig. 3). Type locality: Nierolay stream, Bhavani River at the base of Nilgiri Hills [India]. Holotype: ZSI F10135/1.

Distribution: Yaluzanbujiang [= Brahmaputra River], China (Chu & Mo, 1999).

***Glyptothorax armeniacus*** (Berg, 1918)

*Glyptosternum armeniacum* Berg, 1918: 146. Type locality: River Mukhlassi-darasi, headwaters of Euphrates. Syntypes (5): possibly ZSI F11319/1 (1), ZIN 20806 (4); ZIN syntype illustrated in Berg (1931: pl. 1, figs. 3–5; fig. 6).

Distribution: Tigris River basin, Iran (Coad, 1995); Euphrates River basin, Turkey (Berg, 1918).

***Glyptothorax botius*** (Hamilton, 1822)

*Pimelodus botius* Hamilton, 1822: 192, 378. Type locality: Northern rivers of Bengal [now India: west Bengal: Hooghly River at Kalna, 23°13'30.0"N, 88°22'39.0"E by neotype designation]. Neotype: ZRC 50223; designated by, and illustrated in, Ng (2005e: 3, fig. 1).

Distribution: Hooghly River, India (Ng, 2005e: 8).

Remarks: Redescribed in Ng (2005e).

***Glyptothorax brevipinnis*** Hora, 1923

*Glyptothorax brevipinnis* Hora, 1923b: 16, pl. 1 (fig. 4). Type locality: Unknown locality [probably India]. Syntypes: ZSI F10134/1 (4).

Distribution: Not known (Jayaram, 1999).

***Glyptothorax buechanani*** Smith, 1945

*Glyptothorax buechanani* Smith, 1945: 402, fig. 89. Type locality: The Metum, a small swift affluent of the Mechem, tributary of the Meping, in northern Thailand. Holotype: USNM 117754.

Distribution: Me Ping, Chao Phraya Basin, Thailand (Smith, 1945).

***Glyptothorax burmanicus*** Prashad & Mukerji, 1929

*Glyptothorax burmanicus* Prashad & Mukerji, 1929: 184, pl. 7 (fig. 3); fig. 5. Type locality: Sankha, a large hill-stream, midway between Kamaing and Mogaung, Myitkyina dist. [Burma]. Holotype: ZSI F10877/1.

Distribution: Irrawaddy and Salween Rivers (Chu & Mo, 1999).

***Glyptothorax callopterus*** Smith, 1945

*Glyptothorax callopterus* Smith, 1945: 400, fig. 87. Type locality: Waterfall stream on Kao Chong, near Trang, in Peninsular Thailand. Holotype: USNM 109820.

Distribution: Peninsular Thailand.

***Glyptothorax cavia*** (Hamilton, 1822)

*Pimelodus cavia* Hamilton, 1822: 188, 378. Type locality: Northern rivers of Bengal. No types known.

*Euglyptosternum lineatum* Day, 1877 (in Day, 1875–78): 500, pl. 116 (fig. 7). Type locality: Jumna, near Suddya in

upper Assam. Possible syntypes: AMS B.7509 (1), ZSI F1312 (1).

Distribution: Ganges River basin.

***Glyptothorax coheni*** Ganguly, Datta & Sen, 1972

*Glyptothorax coheni* Ganguly, Datta & Sen, 1972: 342, figs. 3–4. Type locality: Subarnarekha River, Chotanagpur Plateau, Bihar, India. Holotype: USNM 205612.

Distribution: Subarnarekha River, Bihar, India (Jayaram, 1999).

***Glyptothorax conirostris*** (Seindachner, 1867)

*Glyptosternum conirostre* Steindachner, 1867e: 532, pl. 6 (fig. 2). Type locality: Simla. Holotype: at NMW.

*Glyptosternum modestum* Day, 1872: 714. Type locality: upper portion of the Jumna. Possible syntypes: AMS B.7562 (1), AMS B.7564 (1), ZMB 2765 (1).

Distribution: Jamuna River, Mahananda River basin and Indus River basin (Jayaram, 1999).

***Glyptothorax cous*** (Linnaeus, 1766)

*Silurus cous* Linnaeus, 1766: 504. Type locality: Syria. Possible syntype: BMNH 1955.6.25.2 (1).

Distribution: Tigris River basin, Iran (Coad, 1995).

***Glyptothorax dakpathari*** Tilak & Husain, 1976

*Glyptothorax dakpathari* Tilak & Husain, 1976: 229, figs. 1–8. Type locality: Yamuna R., below Barrage, Dakpathar, District Dehra Dun, Uttar Pradesh, India. Holotype: ZSI NRS V-988.

Distribution: Yamuna River, Uttar Pradesh, India (Jayaram, 1999).

Remarks: Treated as a synonym of *Glyptothorax gracilis* by Menon (1999).

***Glyptothorax davissinghi*** Manimekalan & Das, 1998

*Glyptothorax davissinghi* Manimekalan & Das, 1998: 87, unnumbered figure. Type locality: Karim Puzha, Maancheri, Nilambur Reserve Forest, Kerala, India. Holotype: ZSIC 6008.

Distribution: Kerala, India (Manimekalan & Das, 1998).

***Glyptothorax deqinensis*** Mo & Chu, 1986

*Glyptothorax deqinensis* Mo & Chu, 1986: 345, 350, fig. 6. Type locality: Deqin county (28°30'N, 99°00'E) Yunnan [China]. Holotype: KIZ 748621.

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

***Glyptothorax dorsalis*** Vinciguerra, 1890

*Glyptothorax dorsalis* Vinciguerra, 1890: 246, pl. 7 (fig. 4). Type locality: Meetan, Birmania [Myanmar]. Holotype: MSNG 14417.

Distribution: Upper Irrawaddy River basin (pers. obs.); Nujiang [= Salween River], China (Chu *et al.*, 1999).

***Glyptothorax exodon*** Ng & Rachmatika, 2005

*Glyptothorax exodon* Ng & Rachmatika, 2005: 251, fig. 1. Type locality: Borneo: Kalimantan Barat, Sungai Tekelan. Holotype: MZB 9940.

Distribution: Kapuas River basin, western Borneo (Ng & Rachmatika, 2005).

***Glyptothorax fokiensis*** (Rendahl, 1925)

*Glyptosternum fokiensis* Rendahl, 1925: 307. Type locality: Lan-Hao, Lien-Cheng-Hsien, Fokien, s. China. Syntypes: NRM 10018 (2).

*Glyptosternon punctatum* Nichols, 1941: 1, figs. 1–2. Type locality: Kiating (Loshan), Szechwan Prov., China, elev. 1100 ft. Holotype: AMNH 15218.

Distribution: Changjiang [= Yangtze River], rivers east of Yuanjiang (Chu *et al.*, 1999; as *Glyptothorax fukiensis fukiensis*).

Remarks: Redescribed as *Glyptothorax fukiensis* in Xie *et al.* (2001).

***Glyptothorax fuscus*** Fowler, 1934

*Glyptothorax fuscus* Fowler, 1934a: 89, figs. 31–33. Type locality: Chantaboon, Southeast Siam. Holotype (59 mm): ANSP 59358.

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

***Glyptothorax garhwali*** Tilak, 1969

*Glyptothorax garhwali* Tilak, 1969: 37, figs. 1–4. Type locality: Alaknanda River, near Srinagar, dist. Pauri Garhwal, Uttar Pradesh, India. Holotype: ZSI F6152/2.

Distribution: Alaknanda River, Uttar Pradesh, India (Jayaram, 1999).

***Glyptothorax gracilis*** (Günther, 1864)

*Glyptosternum gracile* Günther, 1864: 186. Type locality: Nepal. Holotype: BMNH 1845.1.9.846.

Distribution: Sikkim, India and Nepal (Jayaram, 1999).

***Glyptothorax hainanensis*** (Nichols & Pope, 1927)

*Glyptosternon hainanensis* Nichols & Pope, 1927: 333, fig. 7. Type locality: Nodoo, Hainan [China]. Holotype: AMNH 8362.

Distribution: Hainan Island, China (Chu *et al.*, 1999, as *Glyptothorax fukiensis hainanensis*).

***Glyptothorax honghensis*** Li, 1984

*Glyptothorax fukiensis honghensis* Li, 1984a: 66, fig. 1. Type locality: Hekou, Weishan, Nanjian, Hong River basin, Yunnan Province, China. Syntypes: KIZ 6440430 (1), KIZ 6440474 (1), KIZ 6507022 (1), KIZ 6507133 (1), KIZ 6507134 (1), KIZ 6507137 (1). Name spelled *Glyptothorax fukiensis honghensis* on p. 66 and *Glyptothorax fukiensis honghenensis* on p. 69; *G. honghensis* treated as the valid spelling here, based on presumed etymology of name.

Distribution: Northeastern Laos, and Red River basin of Vietnam and China (Kottelat, 2001b).

***Glyptothorax horai*** (Fowler, 1934)

*Pteroglanis horai* Fowler, 1934a: 92, figs. 37–40. Type locality: Sop Lao, in Maun Luang, Southeast Shan States [Burma]. Holotype: ANSP 59462.

Distribution: Mekong River basin, Myanmar.

***Glyptothorax housei*** Herre, 1942

*Glyptothorax housei* Herre, 1942: 117, fig. 1. Type locality: Rapids in a mountain stream in the Anamallai Hills, Puthototam Estate, four miles east of Valparai, Pollachi district, South India. Holotype: SU 36531.

Distribution: Kerala, India (Jayaram, 1999).

***Glyptothorax indicus*** Talwar, 1991

*Glyptothorax horai* Shaw & Shebbeare, 1936: 188, unnumbered pl. Type locality: Streams of Terai, northern Bengal. Holotype: ZSI F11376/1. Preoccupied in *Glyptothorax* by *Pteroglanis horai* Fowler, 1934; replaced by *Glyptothorax indicus* Talwar, 1991.

*Glyptothorax indicus* Talwar, in Talwar & Jhingran, 1991: 654, fig. 210. Type locality: Streams of Terai, n. Bengal. Holotype: ZSI F11376/1. Replacement name for *Glyptothorax horai* Shaw & Shebbeare, 1936, preoccupied in *Glyptothorax* by *Pteroglanis horai* Fowler, 1934.

Distribution: Kosi River, Rihand River and rivers of the Vindhya Mountain range, India, as well as the Punjab and Nepal (Jayaram, 1999).

***Glyptothorax interspinalus*** (Mai, 1978)

*Glyptosternon interspinalum* Mai, 1978: 271, fig. Type locality: Creeks in n. Vietnam. Syntypes: probably at DVZUT.

? *Glyptothorax merus* Li, 1984b: 79, fig. 2. Type locality: Jingdong Co., Yunnan, China. Holotype: KIZ 737159.

Distribution: Nam Ma Basin, Laos, and Red River basin of China and Vietnam (Kottelat, 2001b).

***Glyptothorax jalalensis*** Balon & Hensel, 1970

*Glyptothorax jalalensis* Balon & Hensel, 1970: 160, fig. 1. Type locality: Kabul River tributary, near Jalal-Abad, Afghanistan. Holotype: SNMB RY 2176.

Distribution: Kabul River basin, Afghanistan (Balon & Hensel, 1970).

***Glyptothorax kashmirensis*** Hora, 1923

*Glyptothorax kashmirensis* Hora, 1923b: 22, fig. 2. Type locality: Kashmir Valley. Syntypes: ZSI F10270/1 (2).

Distribution: Jhelum River, Kashmir (Kullander, 1999); NWFP, Azad Kashmir (Mirza, 2003).

Remarks: See Rashida *et al.* (1996) for comments on the taxonomic position of this species.

***Glyptothorax kurdistanicus*** (Berg, 1931)

*Glyptosternum kurdistanicum* Berg, 1931: 1267, fig. 1; pl. 1 (fig. 2). Type locality: Kurdistan, at the village of Germau (or Germav), at the height of 1500 m, ... Germau is situated in latitude 36° southeast of Serdesht on the Western slope of the Sur-kei Range, in the basin of the river Bané, tributary to the Little Zab, which is a tributary to the Tigris R. Holotype: ZIN 20780.

Distribution: Tigris River basin, Iran (Coad, 1995).

***Glyptothorax lampris*** Fowler, 1934

*Glyptothorax lampris* Fowler, 1934a: 91, figs. 34–36. Type locality: Chieng Mai, North Siam. Holotype: ANSP 59357.

Distribution: Mekong and Chao Phraya River basins, and rivers of southeastern Thailand (Kottelat, 2001b); in medium-sized upland rivers (Rainboth, 1996).

***Glyptothorax laosensis*** Fowler, 1934

*Glyptothorax laosensis* Fowler, 1934a: 88, figs. 28–30. Type locality: Bua Yai, East Siam. Holotype: ANSP 59412.

Distribution: Mekong and Chao Phraya River basins (Kottelat, 2001b); in small to medium-sized streams (Rainboth, 1996).

***Glyptothorax lonah*** (Sykes, 1839)

*Bagrus lonah* Sykes, 1839: 164. Type locality: Deccan, India. Holotype: BMNH 1860.3.19.756 or BMNH 1860.3.19.757. Also described as new in Sykes (1840: 61); illustrated and described in more detail in Sykes (1841: 371).

*Glyptosternum dekkanense* Günther, 1864: 187. Type locality: Dekkan. Holotype: BMNH 1860.3.19.757.

Distribution: Deccan, Godavari and Krishna River basins, India (Jayaram, 1999).

Remarks: Holotype of *Bagrus lonah* Sykes has not been clearly established; see Günther (1864: 187), and Day (1873d: 748) for comments.

***Glyptothorax longicauda*** Li, 1984

*Glyptothorax longicauda* Li, 1984b: 82, fig. 3. Type locality: Tengchong, Yunnan, China. Holotype: KIZ 764126.

Distribution: Irrawaddy River basin, China (Chu *et al.*, 1999).

***Glyptothorax longjiangensis*** Mo & Chu, 1986

*Glyptothorax longjiangensis* Mo & Chu, 1986: 344, 349, fig. 5. Type locality: Longjiang river (upper tributary of Irrawaddy river), Tengchong County (25°00'N, 98°30'E), Yunnan, China. Holotype: KIZ 764246.

Distribution: Irrawaddy River basin, Yunnan, China (Chu *et al.*, 1999).

***Glyptothorax macromaculatus*** Li, 1984

*Glyptothorax macromaculatus* Li, 1984b: 82, fig. 7. Type locality: Yangbi Xian, Yunnan, China. Holotype: KIZ 748804.

Distribution: Mekong River basin (Chu *et al.*, 1999; Kottelat, 2001b).

***Glyptothorax madraspatanus*** (Day, 1873)

*Glyptosternum madraspatanum* Day, 1873b: 526. Type locality: Bowany River, Neilgherries, Madras State, India. Possible syntypes: AMS B.7759 (1), AMS B.8004 (1), NMW 46582–83 (2), RMNH 2739 (1), ZMB 10798 (1), ZMB 10829 (1), ZMB 11208 (1), ZSI F1235 (1), ZSI F1313 (1).

Distribution: Western Ghats, Anaimalai Hills, Nilgiri Hills, and Cauvery River (Jayaram, 1999).

***Glyptothorax major*** (Boulenger, 1894)

*Akysis major* Boulenger, 1894a: 246. Type locality: Senah, Tagora and Baram rivers, Sarawak. Syntypes: BMNH 1892.9.2.59 (1), BMNH 1892.10.7.26 (1), BMNH 1893.3.6.173–177 (5), BMNH 1893.3.6.178 (1, skeleton).

*Glyptosternum kükenthali* Steindachner, 1901: 448, pl. 18 (figs. 5, 5a). Type locality: Baram-Flusse, Borneo. Holotype: SMF 752.

Distribution: Malay Peninsula and western Borneo (Roberts, 1989a).

***Glyptothorax manipurensis*** Menon, 1955

*Glyptothorax manipurensis* Menon (A. G. K.), 1955: 23, fig. 1. Type locality: Barak River at Karong, Naga Hills, Manipur State, India. Holotype: ZSI F738/2.

Distribution: Barak River, Manipur, India (Jayaram, 1999).

Remarks: Redescribed in Kosygin & Vishwanath (2005).

***Glyptothorax minimaculatus*** Li, 1984

*Glyptothorax minimaculatus* Li, 1984b: 81, fig. 5. Type locality: Tengchong Xian, Yunnan, China. Holotype: KIZ 764336.

Distribution: Irrawaddy River basin, Yunnan, China (Chu *et al.*, 1999).

***Glyptothorax minutus*** Hora, 1921

- Glyptothorax minutus* Hora, 1921a: 180, fig. 1. Type locality: Imphal stream near Karong [Kameng], Manipur Valley, India. Syntypes (4): lost (Hora, 1921a: 182).  
Distribution: Manipur, India (Hora, 1921a).
- Glyptothorax naziri*** Mirza & Naik, 1969  
*Glyptothorax naziri* Mirza & Naik, 1969: 123, figs. 1–2. Type locality: Zhob River, Baluchistan, Pakistan. Holotype: GCM 6.  
Distribution: NWFP, Punjab, Balochistan, Azad Kashmir, Pakistan (Mirza, 2003).
- Glyptothorax nelsoni*** Ganguly, Datta & Sen, 1972  
*Glyptothorax nelsoni* Ganguly, Datta & Sen, 1972: 341, fig. 1. Type locality: Subarnarekha River, Chotanagpur Plateau, Bihar, India. Holotype: USNM 205611.  
Distribution: Subarnarekha River, Bihar, India (Jayaram, 1999).
- Glyptothorax nieuwenhuisi*** (Vaillant, 1902)  
*Glyptosternon Nieuwenhuisi* Vaillant, 1902: 72, 162, figs. 14–15. Type locality: Le Blooeoe, Bornéo central. Syntypes: MNHN 1891-0484 (1), MNHN 1891-0485 (1), MNHN 1891-0486 (1), MNHN 1891-0487 (1), MNHN 1903-0189 (1).  
Distribution: Bloeoe River, Borneo.
- Glyptothorax obscurus*** Li, 1984  
*Glyptothorax obscura* Li, 1984b: 86, fig. 1. Type locality: Jingdon Xian, Yunnan, China. Holotype: KIZ 737197.  
Distribution: Upper Red River basin, China (Li, 1984b).
- Glyptothorax pallozonus*** (Lin, 1934)  
*Glyptosternum pallozonum* Lin, 1934: 228, figs. 7–8. Type locality: Loh Fau Shan, Poh-lo District, Kwangtung, China. Holotype: Fisheries Experiment Station, Canton G10.  
Distribution: Dongjiang, Guandong, China (Chu *et al.*, 1999).
- Glyptothorax panda*** Ferraris & Britz, 2005  
*Glyptothorax panda* Ferraris & Britz, 2005: 376, fig. 1. Type locality: Myanmar, Kachin State: Upper Irrawaddy River drainage, hill stream 8 miles from Kamaing on road to Tanai, vicinity of Myitkyina. Holotype: USNM 384824.  
Distribution: Upper Irrawaddy River basin, Myanmar (Ferraris & Britz, 2005).
- Glyptothorax pectinopterus*** (M'Clelland, 1842)  
*Glyptosternon pectinopterus* M'Clelland, 1842: 587. Type locality: The mountains of Simla. No types known.  
Distribution: Ganges, Sutlej and upper Indus River basins, south Asia (Kullander, 1999).
- Glyptothorax platypogon*** (Valenciennes, 1840)  
*Pimelodus platypogon* Valenciennes, in Cuvier & Valenciennes, 1840b: 152 (113 of Strasbourg deluxe edition). Type locality: Java. Possible syntypes: MNHN b-0196 (2), MNHN 0000-2903 (2), MNHN 0000-2904 (2); RMNH (not found); SMF 649 (2).  
*Pimelodus cyanochloros* Bleeker, 1847b: 11. Type locality: Java. Syntypes: SMNS 10569 (6). Also described as new in Bleeker (1847a: 168).  
*Sundagagata robusta* Boeseman, 1966: 243, fig. 1. Type locality: River near Buitenzorg, Java. Holotype: RMNH 25264.  
Distribution: Java; western Borneo (Roberts, 1989a).  
Remarks: *Sundagagata robusta* Boeseman, 1966, was considered by Kottelat *et al.* (1993: 76) to be an abnormal specimen of *Glyptothorax platypogon* (Valenciennes, 1840).
- Glyptothorax platypogonides*** (Bleeker, 1855)  
*Pimelodus platypogonides* Bleeker, 1855a: 272. Type locality: Lahat, in fluviis. Syntypes (4, 70–85 mm TL): possibly BMNH 1863.12.4.154 (1), RMNH 6912 (4), RMNH 15289 (3).  
*Callomystax Schmidti* Volz, 1904: 470. Type locality: Simbolon Gebirge, cent. Sumatra, Indonesia, elev. 1400 m. Syntypes (5): MHNG 683.22 (1), NMBA 2827 (1).  
Distribution: Sumatra (Ng & Rachmatika, 2005).  
Remarks: Register number of syntype of *Pimelodus platypogonides* incorrectly reported as BMNH 1863.12.11.154 in Eschmeyer *et al.* (1998). Name of species frequently cited as *Glyptothorax platypogonoides*.



***Glyptothorax prashadi* Mukerji, 1932**

*Glyptothorax prashadi* Mukerji, 1932: 281, fig. 1. Type locality: Kyenchaung, Mergui District, Lower Burma. Holotype: ZSI F11334/1.

Distribution: Southeastern Myanmar and Peninsular Thailand (Jayaram, 1999).

***Glyptothorax punjabensis* Mirza & Kashmiri, 1971**

*Glyptothorax conirostris punjabensis* Mirza & Kashmiri, 1971: 88, fig. 1. Type locality: Rawal Dam, Rawalpindi, Pakistan. Holotype: GCM 7.

Distribution: Soan River, Jhelum canal, Kabul River, and Siran River, Pakistan, and Kotli, Azad Kashmir (Jayaram, 1999).

Remarks: Treated as a possible synonym of *Glyptothorax kashmirensis* Hora, 1923, by Kullander (1999).

***Glyptothorax quadriocellatus* (Mai, 1978)**

*Glyptosternon quadriocellatum* Mai, 1978: 272, fig. 121. Type locality: Fast-running creeks, n. Vietnam. possibly at DVZUT.

*Glyptosternon minutum* Mai, 1978: 274, fig. 122. Type locality: Fast-running creeks, n. Vietnam. Type (s): at DVZUT. Preoccupied in *Glyptothorax* by *Glyptothorax minutus* Hora, 1921; replaced by *Glyptothorax spectrum* Kottelat, 2001.

*Glyptothorax spectrum* Kottelat, 2001a: 55. Type locality: Fast-running creeks, n. Vietnam. Type (s): at DVZUT. Replacement name for *Glyptosternon minutum* Mai, 1978, preoccupied in *Glyptothorax* by *Glyptothorax minutus* Hora, 1921.

Distribution: Yuanjiang, China (Chu *et al.*, 1999); northern Viet Nam (Kottelat, 2001a).

Remarks: Kottelat (2001a: 54) synonymized *G. quadriocellatum* and *G. minutum* and selected *G. quadriocellatum* as the valid name.

***Glyptothorax saisii* (Jenkins, 1910)**

*Glyptosternum saisii* Jenkins, 1910: 128, fig.; pl. 6 (fig. 6). Type locality: Sita Nullah stream, Paresnath Hills, Bihar, w. Bengal, elev. 2150 ft. Holotype: ZSI F2583/1.

Distribution: Bihar, Uttar Pradesh, and Maharashtra, India (Jayaram, 1999).

Remarks: Redescribed in Tilak & Husain (1978).

***Glyptothorax siamensis* Hora, 1923**

*Glyptothorax siamensis* Hora, 1923a: 168, pl. 12 (figs. 1–3). Type locality: Nakon Sritamarat Hills, Siam. Holotype: ZSI F10548/1.

Distribution: Thailand and Peninsular Malaysia (Ng & Rachimatika, 2005).

***Glyptothorax silviae* Coad, 1981**

*Glyptothorax silviae* Coad, 1981a: 291, figs. 1–3. Type locality: Iran, Khuzestan, stream 3 km south of Bagh-e Malek, tributary to Rud-e Zard or Ab-e Ala in the drainage of the Jarrahi River, 31°29'N, 49°54'30"E, elev. 660 m. Holotype: NMC 79-0390A.

Distribution: Tigris River and possibly Gulf basins (Coad, 1995).

***Glyptothorax sinensis* (Regan, 1908)**

*Glyptosternum sinense* Regan, 1908a: 110, pl. 4 (fig. 3). Type locality: Tunting [=Tungting], China. Holotype: BMNH 1907.11.26.4.

Distribution: lower and middle Changjiang [= Yangtze River], China (Chu *et al.*, 1999); also reported from Manipur, India (Kosygin & Vishwanath, 2005).

Remarks: Redescribed as *Glyptothorax sinense* in Xie *et al.* (2001).

***Glyptothorax steindachneri* (Pietschmann, 1913)**

*Glyptosternum steindachneri* Pietschmann, 1913a: 93. Type locality: dem Tigris, Mosul. Syntypes (2): at NMW.

Distribution: Tigris River basin (Coad, 1995).

***Glyptothorax stocki* Mirza & Nijssen, 1978**

*Glyptothorax stocki* Mirza & Nijssen, 1978: 79, fig. 1. Type locality: Bhed Nullah, small stream on G.T. road to Rawalpindi, 7 mi. from Lahore, Pakistan. Holotype: ZMA 114763.

Distribution: NWFP, Punjab, Azad Kashmir, Pakistan (Mirza, 2003).

***Glyptothorax stoliczkae* (Steindachner, 1867)**

*Glyptosternum Stoličcae* Steindachner, 1867e: 533, pl. 6 (fig. 1). Type locality: Simla. Syntypes: NMW 76606 (3).  
Distribution: Western Himalaya, Shimla, Ganga, India (Jayaram, 1999).

***Glyptothorax striatus*** (M'Clelland, 1842)

*Glyptosternon Striatus* M'Clelland, 1842: 587, pl. 6 (in part). Type locality: Kasyah mountains. Syntypes (3):  
BMNH 1860.3.19.95 (1, 78 mm SL).

Distribution: Kashi and Garro Hills, India (Jayaram, 1999).

***Glyptothorax sufii*** Bashir & Mirza, 1975

*Glyptothorax telchitta sufii* Bashir & Mirza, 1975: 96, fig. 1. Type locality: River Sutlej, Lahore District, Pakistan.  
Holotype: GCM F-13.

Distribution: Indus River basin, Pakistan (Bashir & Mirza, 1975).

***Glyptothorax sykesi*** (Day, 1873)

*Glyptosternum sykesi* Day, 1873d: 748. Type locality: Deccan, India. Holotype: BMNH 1860.3.19.756. Name proposed conditionally for specimen in Günther (1864: 187) identified as *Glyptosternum lonah*, which Day contended was not the holotype and, in fact, not even conspecific with *G. lonah*.

Distribution: Peninsular India.

***Glyptothorax telchitta*** (Hamilton, 1822)

*Pimelodus telchitta* Hamilton, 1822: 185, 378. Type locality: Fresh water rivers of Bengal and Behar [now: India: west Bengal: Hooghly River at Kalna, 23°13'30.0"N, 88°22'39.0"E, by neotype designation]. Neotype: UMMZ 244946; designated by, and illustrated in, Ng (2005e:10, fig. 5). Unpublished Hamilton illustration reproduced in Hora (1929: pl. 21, fig. 3). Name spelled *Pimelodus telchita* on p. 378; first reviser may be Eschmeyer *et al.* (1998), but not yet clearly established to be earliest.

Distribution: Widely distributed in India (Jayaram, 1999).

***Glyptothorax trewasasae*** Hora, 1938

*Glyptothorax trewasasae* Hora, 1938d: 373, pl. 7 (figs. 3–4). Type locality: Yenna Valley, Satara dist., Maharashtra, India. Holotype: ZSI F9723/1.

Distribution: Krishna River basin, Yenna, Kayana, and Tunga Rivers, India (Jayaram, 1999).

***Glyptothorax trilineatus*** Blyth, 1860

*Glyptothorax trilineatus* Blyth, 1860: 154. Type locality: Tenasserim [Burma]. Syntypes: ZSI F10380/1 (2).

*Glyptothorax trilineatoides* Li, 1984b: 87, fig. 5. Type locality: Tengchong Xian, Yunnan, China. Holotype: KIZ 764336.

Distribution: Nujiang [=Salween River], Irrawaddy River (Chu *et al.*, 1999).

***Glyptothorax ventrolineatus*** Vishwanath & Linthoingambi, 2005

*Glyptothorax ventrolineatus* Vishwanath & Linthoingambi, 2005: 201, fig. 1. Type locality: Iril river, Ukhrul district, Manipur, India. Holotype: MUMFL022I.

Distribution: Iril River, Chindwin River basin, Manipur, India (Vishwanath & Linthoingambi, 2005).

***Glyptothorax zanaensis*** Wu, He & Chu, 1981

*Glyptothorax zanaensis* Wu, He & Chu, 1981: 74, fig. 1 (1-b). Type locality: Qinghai-Xizang plateau region, China. Syntypes: IHASW 606164–66 (3), IHASW 606168 (1), IHASW 606170–74 (5), IHASW 606178 (1), IHASW 6006651–53 (3).

*Glyptothorax longinema* Li, 1984b: 81, fig. 6. Type locality: Lushui Xian, Yunnan, China. Holotype: KIZ 741097.

*Glyptothorax rubermentus* Li, 1984b: 83, 88, fig. 8. Type locality: Baoshan Xian, Yunnan, China. Holotype: KIZ 749356.

Distribution: Mekong and Salween River basins, China (Chu *et al.*, 1999, as *Glyptothorax zainaensis*; Kottelat, 2001b).

***Glyptothorax zhujiangensis*** Lin, 2003

*Glyptothorax zhujiangensis* Lin, 2003: 159, 161. Type locality: Baishuidai Streamin Yaxi Town (22°15'N, 112°59'25"E), Xinhui City, middle-southern Guandong, China. Holotype: ZX 970901 (housed in IHASW).

Distribution: Zhujiang [= Pearl River] China (Lin, 2003).

***Species inquirendae, Glyptothorax***

*Glyptosternum laak* Popta, 1904: 190. Type locality: le Howong, Bornéo central. Syntypes: RMNH 7562 (3); described in more detail, with an illustration of one of the syntypes, in Popta (1906: 71, pl. 4, figs. 15a, 15b).

*Glyptosternum tiong* Popta, 1904: 191. Type locality: le Kajan, Bornéo central. Syntypes: RMNH 7564 (2); described in more detail, with an illustration of one of the syntypes in Popta (1906: 75, pl. 4, fig. 16).

*Glyptothorax conirostre poonaensis* Hora, 1938d: 368, pl. 7 (figs. 5–6). Type locality: Mula Mutha R. at Poona, Maharashtra, Bombay State, India. Holotype: ZSI F12126/1. Originally as *Glyptothorax conirostre* var. *poonaensis*. Treated as valid or as a synonym of *Glyptothorax conirostris* (Steindachner, 1867).

#### **GOGANGRA** Roberts, 2001

*Gangra* Roberts & Ferraris, 1998: 333. Type species: *Pimelodus viridescens* Hamilton, 1822. Type by original designation. Gender: Feminine. Preoccupied by *Gangra* Walker, 1862; in Lepidoptera, replaced by *Gogangra* Roberts, 2001.

*Gogangra* Roberts, 2001: 83. Type species: *Pimelodus viridescens* Hamilton, 1822. Type by being a replacement name. Gender: Feminine. Replacement for *Gangra* Roberts & Ferraris, 1998; preoccupied by *Gangra* Walker, 1862, in Lepidoptera.

#### **Gogangra laevis** Ng, 2005

*Gogangra laevis* Ng, 2005c: 280, fig. 1. Type locality: Bangladesh: Gowain River and Khal at Gowainghat. Holotype: UMMZ 244603.

Distribution: Yamuna and Meghna Rivers, lower Brahmaputra River basin, Bangladesh (Ng, 2005c).

#### **Gogangra viridescens** (Hamilton, 1822)

*Pimelodus viridescens* Hamilton, 1822: 173, 377, pl. 11 (fig. 56). Type locality: Rivers in the northern parts of Bengal. No types known.

*Nangra punctata* Day, 1877 (in Day, 1875–78): 494, pl. 115 (fig. 8). Type locality: Sone River at Bheer Bhoom in Bengal, India. Syntype: AMS B.7566 (1).

Distribution: Ganges and Brahmaputra River basins (Roberts & Ferraris, 1998; Ng, 2005c).

#### **HARA** Blyth, 1860

*Hara* Blyth, 1860: 152. Type species: “*Hara buchanani* nobis; *Pimelodus hara*, B.H.” [= *Pimelodus hara* Hamilton, 1822]. Type by original designation. Gender: Feminine.

*Laguvia* Hora, 1921b: 739. Type species: *Pimelodus asperus* M’Clelland, 1844. Type by subsequent designation, by Jordan (1923: 148). Gender: Feminine.

Remarks: Jayaram (1973c, 1999) lists *Laguvia shawi* as the type species of *Laguvia*, by subsequent designation, but it is not stated where this designation was published. If published before 1923, it would have priority over the designation by Jordan (1923). Therefore, the type species as stated above must be considered tentative until the details of the designation of *L. shawi* are clarified. Synonymy of *Laguvia* in *Hara* follows Ng & Kottelat (2005: 20).

#### **Hara filamentosa** Blyth, 1860

*Hara filamentosa* Blyth, 1860: 152. Type locality: Tenasserim [Burma]. Syntypes: ZSI 585 (6).

Distribution: Widely distributed in Myanmar.

#### **Hara hara** (Hamilton, 1822)

*Pimelodus hara* Hamilton, 1822: 190, 378. Type locality: River Kosi [now Hooghly River south of Ranaghat, by neotype designation]. Neotype: UMMZ 244697, designated by, and illustrated in, Ng & Kottelat (2005: 20, fig. 5). Previously unpublished Hamilton illustration reproduced in Hora (1929: pl. 21, fig. 5) and reproduced in Ng & Kottelat (2005: 20, fig. 6).

*Pimelodus asperus* M’Clelland, 1844a: 404, pl. 24 (fig. 2). Type locality: Chusan, China [now Hooghly River south of Ranaghat, by neotype designation]. Neotype: UMMZ 244697, designated by, and illustrated in, Ng & Kottelat (2005: 19, fig. 5).

*Hara buchanani* Blyth, 1860: 152. Type locality: River Kosi [now Hooghly River south of Ranaghat, by neotype designation]. Neotype: UMMZ 244697, designated by, and illustrated in, Ng & Kottelat (2005: 20, fig. 5) as

neotype of *Pimelodus hara*. Unneeded new name for *Pimelodus hara* Hamilton, 1822.

Distribution: Bihar, Uttar Pradesh, Orissa, northern Bengal and Assam, India; Bangladesh and Myanmar [questionable] (Jayaram, 1979).

Remarks: Redescribed in Tilak (1978).

***Hara horai*** Misra, 1976

*Hara horai* Misra, 1976: 245, pl. 9 (figs. 1–3). Type locality: Terai and Duars, n. Bengal. Syntype: ZSI FF955 (formerly ZSI F 11390/1), illustrated in Hora (1950: pl. 2, figs. 1–3) as *Hara hara*.

Distribution: Terai Duars, northern Bengal, India (Misra, 1976).

Remarks: Neotype designation by Tilak & Talwar (1976: 246) [ZSI FF955] invalid inasmuch as that specimen is apparently one of the original syntypes (M. Kottelat, pers. commum.). Redescribed in Tilak (1978).

***Hara jerdoni*** Day, 1870

*Hara jerdoni* Day, 1870a: 39, pl. 4 (figs. 2a–c). Type locality: Sylhet district. Syntypes (2): ZSI 431 (1).

Distribution: Sylhet district, Bangladesh (Jayaram, 1979).

Remarks: Redescribed in Husain & Tilak (1978).

***Hara sahasai*** Datta Munshi & Srivastava, 1988

*Hara sahasai* Datta Munshi & Srivastava, 1988: 265, fig. 5. Type locality: Kosi Belt, n. Bihar, India. Syntypes: Bhagalpur Univ., Dept. Zool. Mus. 67 (13). Also appeared as new in Srivastava (1989: 121, fig. 1).

Distribution: northern Bihar, India (Datta Munshi & Srivastava, 1988).

***Hara serrata*** Vishwanath & Kosygin, 2000

*Hara serratus* Vishwanath & Kosygin, 2000: 143, figs. 2–5. Type locality: Jiri river at Jiribam, Manipur, India. Holotype: MUMF 2508.

Distribution: Barak and Jiri Rivers, Manipur, India (Vishwanath & Kosygin, 2000).

**MYERSGLANIS** Hora & Silas, 1952

*Myersglanis* Hora & Silas, 1952a: 19. Type species: *Exostoma blythii* Day, 1870. Type by original designation. Gender: Masculine.

Key: Vishwanath & Kosygin (1999: 296).

***Myersglanis blythii*** (Day, 1870)

*Exostoma Blythii* Day, 1870b: 525. Type locality: not stated. Syntypes (2): Asiatic Society of Bengal 599 (2) [now at ZSI] (2), possibly ZSI 2361 (1).

Distribution: Possibly Pharping, Nepal (Regan, 1907c; Hora & Silas, 1952a).

***Myersglanis jayarami*** Vishwanath & Kosygin, 1999

*Myersglanis jayarami* Vishwanath & Kosygin, 1999: 291, pl. 1. Type locality: Laniye river at Jessami, Manipur, India (94°32'E, 25°38'N). Holotype: MUMF 2138.

Distribution: Laniye River, Chindwin River basin, Manipur, India (Vishwanath & Kosygin, 1999).

**NANGRA** Day, 1877

*Nangra* Day, 1877 (in Day, 1875–78): 493. Type species: *Pimelodus nangra* Hamilton, 1822. Type by absolute tautonymy. Gender: Feminine.

Revision: Hora & Law (1941); Roberts & Ferraris (1998).

Remarks: See Jayaram (1972a) for comments on the validity of the genus.

***Nangra assamensis*** Sen & Biswas, 1994

*Nangra assamensis* Sen & Biswas, 1994: 441, fig. 1; pl. 1. Type locality: Brahmaputra River at Neematighat, 14 kms. from Jorhat, Assam [India]. Holotype: ZSI V/F/ERS/53.

*Nangra carcharhinoides* Roberts & Ferraris, 1998: 338, fig. 16. Type locality: Ganges River at Patna, India. Holotype: CAS 95566.

Distribution: Ganges and Brahmaputra Rivers, India (Roberts & Ferraris, 1998).

***Nangra bucculenta*** Roberts & Ferraris, 1998

*Nangra bucculenta* Roberts & Ferraris, 1998: 336, fig. 14. Type locality: Ganges River delta, Tangail District, North Central Region, Bangladesh. Holotype: CAS 95564.

Distribution: Ganges River delta, Bangladesh (Roberts & Ferraris, 1998).

***Nangra nangra*** (Hamilton, 1822)

*Pimelodus nangra* Hamilton, 1822: 193, 378, pl. 11 (fig. 63). Type locality: Kosi River [now: Ganges River at Patna, India, by neotype designation]. Neotype: CAS 96626, designated by Roberts & Ferraris (1998: 341).

*Nangra Buchananii* Day, 1877 (in Day, 1875–78): 494, pl. 113 (fig. 3). Kosi River [now: Ganges River at Patna, India, by neotype designation]. Neotype: CAS 96626. Replacement for *Pimelodus nangra* Hamilton, 1822, to avoid tautonymy.

Distribution: Ganges and Indus River basins (Roberts & Ferraris, 1998).

***Nangra ornata*** Roberts & Ferraris, 1998

*Nangra ornata* Roberts & Ferraris, 1998: 341, fig. 19. Type locality: Bangladesh: Gowain River and Khal at Gowainghat, northern Sylhet Province (Surma or Meghna watershed). Holotype: UMMZ 233236.

Distribution: Surma or Meghna watershed, Bangladesh (Roberts & Ferraris, 1998).

***Nangra robusta*** Mirza & Awan, 1973

*Nangra robusta* Mirza & Awan, 1973: 145, fig. 1. Type locality: Indus River at Jinnah Barrage near Kalabagh, Pakistan. Holotype: GCM 9.

Distribution: Indus River, Pakistan (Mirza & Awan, 1973).

**OREOGLANIS** Smith, 1933

*Oreoglanis* Smith, 1933: 70. Type species: *Oreoglanis siamensis* Smith, 1933. Type by original designation. Gender: Masculine.

*Paroreoglanis* Pellegrin, 1936: 244. Type species: *Paroreoglanis delacouri* Pellegrin, 1936. Type by monotypy. Gender: Masculine.

***Oreoglanis delacouri*** (Pellegrin, 1936)

*Paroreoglanis delacouri* Pellegrin, 1936b: 244. Type locality: Xieng Khouang in upper Laos. Lectotype: MNHN 1936-0031 (103.4 mm SL), designated by Ng & Kottelat (1999: 379).

Distribution: Nam Ngai basin, Mekong drainage, Laos (Ng & Rainboth, 2001).

***Oreoglanis frenatus*** Ng & Rainboth, 2001

*Oreoglanis frenatus* Ng & Rainboth, 2001: 7, fig. 6. Type locality: Laos: Xieng Khouang Province, Nam Ka basin, Houay Kheua at Hwy 7 bridge, 19°38'N, 103°28'E. Holotype: UMMZ 236811.

Distribution: Nam Ka Basin, Mekong drainage, Laos (Ng & Rainboth, 2001).

***Oreoglanis hypsiurus*** Ng & Kottelat, 1999

*Oreoglanis hypsiurus* Ng & Kottelat, 1999: 376, fig. 1. Type locality: Upper Nam Theun, ca. 1 km upstream of confluence with Houay Nuok Lan, 18°04'09"N, 105°29'44"E, Kham-mouan Province, Laos. Holotype: ZRC 40440.

Distribution: Nam Kading basin, Mekong drainage, Laos (Kottelat, 2001b).

***Oreoglanis infulatus*** Ng & Freyhof, 2001

*Oreoglanis infulatus* Ng & Freyhof, 2001b: 1165, figs. 1–3. Type locality: Vietnam: Ha Tinh Province, stream at Son Kim, a tributary of Song Lam (18°24'25"N, 105°11'10"E). Holotype: ZFMK 35719.

Distribution: Lam River headwaters, central Vietnam (Ng & Freyhof, 2001b).

***Oreoglanis insignis*** Ng & Rainboth, 2001

*Oreoglanis insignis* Ng & Rainboth, 2001: 15, fig. 8. Type locality: China: Yunnan Province, Baoshan Prefecture, Longchuanjiang and Dajiang, near Qushi. Holotype: KIZ 9810191.

Distribution: Upper Irrawaddy River basin, China and Myanmar, possibly upper Salween basin (Ng & Rainboth, 2001).

***Oreoglanis lepturus*** Ng & Rainboth, 2001

*Oreoglanis lepturus* Ng & Rainboth, 2001: 17, fig. 10. Type locality: Laos: Bolikamsai Province, Nam Phao about 2 km from Vietnam border, 18°23'N, 105°19'E. Holotype: UMMZ 236814.

Distribution: Nam Phao basin, Mekong drainage, northeastern Laos (Ng & Rainboth, 2001).

***Oreoglanis macronemus*** Ng, 2004

*Oreoglanis macronemus* Ng, 2004e: 209, fig. 1. Type locality: Laos: Xieng Khouang. Holotype: BMNH 1933.8.19.51.

Distribution: Nam Ngiap or Nam Sen River basins, Xieng Khouang region, Laos (Ng, 2004e).

***Oreoglanis macropterus*** (Vinciguerra, 1890)

*Exostoma macropterus* Vinciguerra, 1890: 253, pl. 8 (fig. 5). Type locality: Paese dei Catcin, Birmania [Myanmar].

Syntypes: BMNH 1893.2.16.18 (1), MSNG 14410 (3), NMW 46488 (1), RMNH 10236 (1), USNM 44805 (1)

Distribution: Irrawaddy River basin; Salween River, China (Ng & Rainboth, 2001).

Remarks: See Steinitz (1961) for comments on taxonomy.

***Oreoglanis setiger*** Ng & Rainboth, 2001

*Oreoglanis setiger* Ng & Rainboth, 2001: 23, fig. 12. Type locality: Laos: Louang Namtha Province, Nam Ma Oun, 21°05'N, 101°04'E. Holotype: UMMZ 236813.

Distribution: Nam Oun basin, Mekong River drainage, Laos, and upper Mekong River southwestern China (Ng & Rainboth, 2001).

***Oreoglanis siamensis*** Smith, 1933

*Oreoglanis siamensis* Smith, 1933: 72, pl. 3 (figs. 1–2); fig. 4. Type locality: Kang River near the base of Doi Angka, northern Siam. Holotype: KUMF 0172.

Distribution: Mae Nam Ping basin, Chao Phraya drainage, northern Thailand (Ng & Rainboth, 2001).

Remarks: Statements in Menon & Yazdani (1968) and Eschmeyer *et al.* (1998) which indicated that ZSI F12233/1 might be the holotype of *Oreoglanis siamensis* are in error. Smith (1933: 74) clearly stated that two specimens were examined, which he identified as the “type” and “topotype,” and that the specimen deposited in the Indian Museum (now ZSI) was the topotype.

**PARACHILOGLANIS** Wu, He & Chu, 1981

*Parachiloglanis* Wu, He & Chu, 1981: 76, 79. *Glyptosternum hodgarti* Hora, 1923. Type by original designation. Gender: Masculine.

***Parachiloglanis hodgarti*** (Hora, 1923)

*Glyptosternum hodgarti* Hora, 1923b: 38, pl. 2 (figs. 1–3). Type locality: Pharping, Nepal. Holotype: ZSI F1553/1.

Distribution: Yaluzangbujiang [= upper Brahmaputra River] (Chu *et al.*, 1999); Abor Hills, Meghalaya, Darjeeling, Kali River, Teesta valley and Nepal (as *Euchiloglanis hodgarti*) (Jayaram, 1999).

**PAREUCHILOGLANIS** Pellegrin, 1936

*Pareuchiloglanis* Pellegrin, 1936b: 245. Type species: *Pareuchiloglanis poilanei* Pellegrin, 1936. Type by monotypy. Gender: Masculine.

Remarks: Included species follows He (1996b).

Review: Ding (2003, western China).

***Pareuchiloglanis anteanalis*** Fang, Xu & Cui, 1984

*Pareuchiloglanis anteanalis* Fang, Xu & Cui, 1984: 209, fig. 1. Type locality: Wudu County, Gansu Province, China. Holotype: Shaanxi Inst. Zool. 82VI9565.

Distribution: Wudu County, Gansu Province, China (Fang, *et al.*, 1984).

***Pareuchiloglanis feae*** (Vinciguerra, 1890)

*Exostoma Feae* Vinciguerra, 1890: 256, pl. 8 (fig. 6). Type locality: Taó, e Iadó, Birmania [Myanmar]. Syntypes: BMNH 1893.2.16.19–20 (2), BMNH 1893.2.16.21–22 (2), BMNH 1893.2.16.23 (1, skeleton), MSNG 14411 (4), MSNG 14412 (3), MSNM 38 (1), NMW 9064–65 (2), RMNH 10237 (3), USNM 44743 (3).

Distribution: Irrawaddy and Salween Rivers, China (Chu *et al.*, 1999).

***Pareuchiloglanis gongshanensis*** Chu, 1981

*Pareuchiloglanis gongshanensis* Chu, 1981: 28, 31, fig. 2. Type locality: Gongshan Xian, Yunnan, China. Holotype: KIZ 731202.

Distribution: Upper Nujiang [= Salween River], China (Chu *et al.*, 1999).

***Pareuchiloglanis gracilicaudatus*** (Wu & Chen, 1979)

*Euchiloglanis gracilicaudata* Wu & Chen, 1979: 294, fig. 4. Type locality: Za-Qu, upper Lancang Jiang, Nangqen, Qinghai, China. Syntypes: Qinghai Inst. Biol. (12).

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

***Pareuchiloglanis kamengensis*** (Jayaram, 1966)

*Euchiloglanis kamengensis* Jayaram, 1966d: 85, fig. 1. Type locality: Norgum River at Kalaktang, 1370 m alt., Kameng Frontier Division, N.E.F.A. Holotype: ZSI F2105/2.

Distribution: Yaluzangbujiang [= upper Brahmaputra River], Irrawaddy, Nujiang [= Salween River], Lancangjiang [= Mekong River], China (Chu *et al.*, 1999).

***Pareuchiloglanis longicauda*** (Yue, 1981)

*Euchiloglanis longicauda* Yue, in Zheng, 1981: 183, fig. 151. Type locality: Panyang R. (Hong-Shui R. system), Bama Co., Guangxi Prov., China. Holotype: ASIZB and Fish. Res. Inst., Guangxi Zhuangzu Autonomous Region 750443.

Distribution: Nanpanjiang, Beipaniang, Hongshuihe, China (Chu *et al.*, 1999).

***Pareuchiloglanis macropterus*** Ng, 2004

*Pareuchiloglanis macropterus* Ng, 2004g: 3, fig. 1. Type locality: China, Yunnan province, Salween River (Nujiang) drainage; Laowo River, a tributary of Salween River (Nujiang), ca. 5 km to Liuku on Yongping–Liuku Road, 25°50'18.6"N 98°53'46.8"E; 900 m asl. Holotype: ZRC 49124.

Distribution: Salween and Irrawaddy River basins, southern China (Ng, 2004g).

***Pareuchiloglanis macrotremus*** (Norman, 1925)

*Euchiloglanis macrotrema* Norman, 1925b: 570. Type locality: Ngoi-Tio, Col des Nuages, Tonkin, Vietnam, elev. 4500–6500 ft. Syntypes: BMNH 1925.2.19.5–6 (2).

Distribution: Yuanjiang, China (Chu *et al.*, 1999); Tonkin, Vietnam.

***Pareuchiloglanis myzostomus*** (Norman, 1923)

*Euchiloglanis myzostoma* Norman, 1923a: 562. Type locality: Yunnan, China. Syntypes: BMNH 1923.2.21.40–49 (10).

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

***Pareuchiloglanis nebulifer*** Ng & Kottelat, 2000

*Pareuchiloglanis nebulifer* Ng & Kottelat, 2000b: 11, fig. 4. Type locality: Small creek, trib. of Houai Siam, upstream of Ban Kangpabong, Houaphan Prov., Laos, 20°19'36"N, 104°25'01"E. Holotype: ZRC 45706.

Distribution: Nam Xam and Nam Ma basins, Ma River Drainage, Laos (Kottelat, 2001b).

***Pareuchiloglanis poilanei*** Pellegrin, 1936

*Pareuchiloglanis poilanei* Pellegrin, 1936b: 246. Type locality: Annam [Vietnam]. Syntypes: MNHN 1936-0005 (1), MNHN 1936-0006 (1), MNHN 1936-0007 (1), MNHN 1936-0008 (1), MNHN 1936-0009 (1), MNHN 1936-0010 (1), MNHN 1936-0011 (1), MNHN 1936-0012 (1), MNHN 1936-0013 (1), MNHN 1936-0014 (1), MNHN 1936-0015 (1), MNHN 1935-0016 (1), MNHN 1936-0017 (1), MNHN 1936-0018 (1), MNHN 1936-0019 (1), MNHN 1936-0020 (4).

Distribution: Central Vietnam.

***Pareuchiloglanis rhabdurus*** Ng, 2004

*Pareuchiloglanis rhabdurus* Ng, 2004g: 7, fig. 3. Type locality: Vietnam: Ha Giang province, Red River (Song Hong) drainage, Vi Xuyen district, Cao Bo stream (Bac Trao river) near camp 1, 22°45'18.0"N, 104°52'11'4"E. Holotype: AMNH 211153.

Distribution: Song Lo River, Red River basin, northern Vietnam (Ng, 2004g).

***Pareuchiloglanis robustus*** Ding, Fu & Ye, 1991

*Pareuchiloglanis robusta* Ding, Fu & Ye, 1991: 369, fig. 1. Type locality: a stream (Qing Yijing), Sichuan, China. Holotype: SPNRI 8801.

Distribution: Yangtze River basin, China (Ding *et al.*, 1991).

***Pareuchiloglanis sichuanensis*** Ding, Fu & Ye, 1991

*Pareuchiloglanis sichuanensis* Ding, Fu & Ye, 1991: 371, fig. 2. Type locality: Baoxing, Sichuan Province, China. Holotype: Sichuan Agric. Univ. 6-1481.

Distribution: Yangtze River basin, China (Ding *et al.*, 1991).

***Pareuchiloglanis sinensis*** (Hora & Silas, 1952)

*Euchiloglanis sinensis* Hora & Silas, 1952a: 17, fig. 2. Type locality: presumably .... from some part of China, possibly Yunnan. Holotype: ZSI F12208/1.

Distribution: Jinshajiang, China (Chu *et al.*, 1999).

***Pareuchiloglanis songdaensis*** Nguyen & Nguyen, 2001

*Pareuchiloglanis songdaensis* Nguyen & Nguyen, 2001: 67, fig. 1. Type locality: [Da River, Muong Te, Lai Chau Town and Phong Tho, Vietnam]. Holotype (115 mm SL): LM 2001.01 H.

Distribution: Da River, Vietnam (Nguyen & Nguyen, 2001).

***Pareuchiloglanis songmaensis*** Nguyen & Nguyen, 2001

*Pareuchiloglanis songmaensis* Nguyen & Nguyen, 2001: 68, fig. 2. Type locality: [Ma River, Song Ma district, Son La Province, Vietnam]. Holotype (82 mm SL): LM 2001.02H.

Distribution: Ma River, Vietnam (Nguyen & Nguyen, 2001).

***Pareuchiloglanis tianquanensis*** Ding & Fang, 1997

*Pareuchiloglanis tianquanensis* Ding & Fang, 1997: 17, fig. 1. Type locality: a stream (Upper Qing Yi River), altitude 2010 m., Tianquan County, Sichuan Province [China]. Holotype: SPNRI 920185.

Distribution: Upper Qing Yi River basin, Sichuan, China (Ding & Fang, 1997).

**PSEUDECHENEIS** Blyth, 1860

*Pseudecheneis* Blyth, 1860: 154. Type species: *Glyptosternon sulcatus* M'Clelland, 1842. Type by monotypy. Gender: Feminine.

*Parapseudecheneis* Hora, in Hora & Chabanaud, 1930: 216. Type species: *Pseudecheneis paviei* Vaillant, 1892. Type by monotypy. Gender: Feminine.

*Propseudecheneis* Hora, 1937d: 348. Type species: *Propseudecheneis tchangii* Hora, 1937. Type by original designation. Gender: Feminine.

Review: Hora (1952); Hora & Chabanaud (1930); Chu (1982), China.

Phylogeny: Chu (1982), Zhou & Zhou (2005).

***Pseudecheneis crassicauda*** Ng & Edds, 2005

*Pseudecheneis crassicauda* Ng & Edds, 2005b: 2, fig. 1. Type locality: Nepal: Mewa Khola (River), Dhakuta District, 27°0'N, 87°20'E. Holotype: BMNH 1958.9.1.8.

Distribution: Tamur River basin, Kosi drainage, Nepal (Ng & Edds, 2005b).

***Pseudecheneis immaculata*** Chu, 1982

*Pseudecheneis immaculatus* Chu, 1982: 428, 447, fig. 1. Type locality: Baijixun (upper Lancang River), Weixi County, Yunnan, China. Holotype: KIZ 748742.

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

***Pseudecheneis paviei*** Vaillant, 1892

*Pseudecheneis paviei* Vaillant, 1892a: 126. Type locality: Near Lai Chau, Tonkin, northern Vietnam. Holotype: MNHN 1892-0049; redescribed and illustrated in Vaillant (1904: 464, pl. 22, fig. 3). Holotype illustrated in Hora & Chabanaud (1930: 217, fig. 2).

*Pseudecheneis intermedius* Chu, 1982: 430, 447, fig. 2. Type locality: Dongbao (a stream at upper reaches of Babian River, belonging to the Red River drainage), Jingdong County [Yunnan, China]. Holotype: KIZ 737173.

Distribution: Northern Vietnam and Yunnan, China (Kottelat, 2001a).

Remarks: Synonymy follows Ng & Edds (2005b: 12).

***Pseudecheneis serracula*** Ng & Edds, 2005

*Pseudecheneis serracula* Ng & Edds, 2005b: 6, fig. 3. Type locality: Nepal: Mugu/Bajura, Jhugala, Karnali River, purchased at Jhugala, 29°31'18.0"N, 81°46'48.0"E. Holotype: KU 29554.

Distribution: Karnali and Gandaki River basins, Nepal (Ng & Edds, 2005).

***Pseudecheneis sulcata*** (M'Clelland, 1842)

*Glyptosternon sulcatus* M'Clelland, 1842: 587, pl. 6 (in part). Type locality: Kasyah Hills. Holotype: BMNH 2005.5.17.5 (76 mm SL).

Distribution: Lancangjiang [= Mekong River], Nujiang [= Salween River], Yaluzangbujiang [= upper Brahmaputra River], Irrawaddy River, China (Chu *et al.*, 1999).

***Pseudecheneis sulcatoides*** Zhou & Chu, 1992

*Pseudecheneis sulcatoides* Zhou & Chu, 1992: 111, 115, figs. 1–3. Type locality: Yangbi (25°40'N, 99°57'E), [Lan-



cangjiang River (=upper Mekong)] Yunnan Province, China. Holotype: KIZ 839059.

Distribution: Upper Mekong River basin, Yunnan, China (Zhou & Chu, 1992).

***Pseudecheneis sympelvica*** Roberts, 1998

*Pseudecheneis sympelvicus* Roberts, 1998: 290, fig. 1. Type locality: Nam Veo, tributary of Nam Phao 25 km east of Lak Sao, Nam Theun watershed, Mekong Basin, central Laos. Holotype: ZRC 40359.

Distribution: Nam Theun watershed, Mekong River basin, Laos (Roberts, 1998).

***Pseudecheneis tchangi*** Hora, 1937

*Propseudecheneis tchangi* Hora, 1937d: 348, fig. 11b. Type locality: Yunnan, China. Holotype: Zoological Museum of Fan Memorial Institute, Beijing, 12016.

Distribution: Red River, Yunnan, China (Hora, 1937d).

**PSEUDEXOSTOMA** Chu, 1979

*Pseudexostoma* Chu, 1979: 78, 81. Type species: *Glyptosternum yunnanensis* Tchang, 1935. Type by original designation. Gender: Neuter.

***Pseudexostoma brachysoma*** Chu, 1979

*Pseudexostoma yunnanensis brachysoma* Chu, 1979: 78, 81, fig. 3. Type locality: Hill stream running into the Nu River, near Laowo, Yunlong Xian [Yunnan, China]. Holotype: KIZ 742093.

Distribution: Nujiang [= Salween River], China (Chu *et al.*, 1999).

***Pseudexostoma yunnanense*** (Tchang, 1935)

*Glyptosternum yunnanensis* Tchang, 1935b: 174, fig. 1. Type locality: Yunnan, China. Holotype: ASIZB [= ZMFMIB] 12027.

Distribution: Irrawaddy River, China (Chu *et al.*, 1999).

**PSEUDOLAGUVIA** Misra, 1976

*Pseudolaguvia* Misra, 1976: 253. Type species: *Glyptothorax tuberculatus* Prashad & Mukerji, 1929. Type by original designation. Gender: Feminine.

Remarks: See Jayaram (1973c) for comments on this genus, but as *Laguvia*.

***Pseudolaguvia foveolata*** Ng, 2005

*Pseudolaguvia foveolata* Ng, 2005b: 174, fig. 1. Type locality: India: West Bengal: Tista River at Tista barrage, 26°45'10"N, 88°34'11"E. Holotype: UMMZ 244867.

Distribution: Tista River, Brahmaputra River basin, India (Ng, 2005b).

***Pseudolaguvia inornata*** Ng, 2005

*Pseudolaguvia inornata* Ng, 2005g: 36, fig. 1. Type locality: Bangladesh: Chittagong District, Koilla Khal (creek), 10 km E of Feni-Chittagong highway on road to Ramgarh, 22°55'N, 91°36'E. Holotype: UMMZ 245580.

Distribution: Feni River basin, Bangladesh (Ng, 2005g).

***Pseudolaguvia kapuri*** (Tilak & Husain, 1975)

*Laguvia ribeiroi kapuri* Tilak & Husain, 1975: 1, figs. 1–3. Type locality: Padhoi river, near Kalsia Ghat, Saharanpur, (U. P.) [India]. Holotype: ZSI/NRS 836.

Distribution: Padhoi River and Dhamola River, Saharanpur, Uttar Pradesh (Jayaram, 1999).

Remarks: Redescribed in Gupta (1982).

***Pseudolaguvia muricata*** Ng, 2005

*Pseudolaguvia muricata* Ng, 2005g: 41, fig. 3. Type locality: Bangladesh: Sylhet District, Rangapani Khal (creek), 6 km WNW of Sylhet-Shillong highway, 25°10'N, 92°6'E. Holotype: UMMZ 245581.

Distribution: Brahmaputra River basin, Bangladesh (Ng, 2005g).

***Pseudolaguvia ribeiroi*** (Hora, 1921)

*Laguvia ribeiroi* Hora, 1921b: 741, pl. 29 (fig. 3). Type locality: Khoila River, tributary of Teesta at Jalpaiguri [India]. Holotype: ZSI F 10086/1.

Distribution: Teesta River system, north Bengal; Kosi River system Behar; Rihand River system, Uttar Pradesh, and rivers of Nepal (Jayaram, 1979, 1999).

***Pseudolaguvia shawi*** (Hora, 1921)

*Laguvia shawi* Hora, 1921b: 740, pl. 29 (fig. 2). Type locality: Mahanadi River below Darjeeling, India. Holotype: ZSI F10085/1.

Distribution: North Bengal, India, and Bangladesh (Jayaram, 1999); Brahmaputra River basin, Assam, India (Arun-kumar, 2000).

***Pseudolaguvia tenebricosa* Britz & Ferraris, 2003**

*Pseudolaguvia tenebricosa* Britz & Ferraris, 2003: 2, fig. 1. Type locality: Myanmar, Kayin Division, Pathe Chaung, hill stream, 13 miles east of Taungoo, 19°01'11"N, 96°35'33"E. Holotype: USNM 373293.

Distribution: Sittang and upper Irrawaddy River basins, Myanmar (Britz & Ferraris, 2003).

***Pseudolaguvia tuberculata* (Prashad & Mukerji, 1929)**

*Glyptothorax tuberculatus* Prashad & Mukerji, 1929: 182, pl. 7 (fig. 2); fig. 4. Type locality: Sankha, a large hill-stream, midway between Kamaing and Mogaung, Myitkyina dist., Upper Burma. Holotype: ZSI F10876/1.

Distribution: Myitkyina District, Kachin State, Myanmar (Prashad & Mukerji, 1929).

***Sisor* Hamilton, 1822**

*Sisor* Hamilton, 1822: 208, 379. Type species: *Sisor rabdophorus* Hamilton, 1822. Type by monotypy. Gender: Masculine.

Revision: Ng (2003c).

***Sisor barakensis* Vishwanath & Darshan, 2005**

*Sisor barakensis* Vishwanath & Darshan, 2005: 1952, fig. 1a. Type locality: River Barak, Jiri, Manipur, India. Holotype: MUMF 3131. Holotype illustrated as Image 1 on web version of paper.

Distribution: Barak River, Brahmaputra River basin, India (Vishwanath & Darshan, 2005).

***Sisor chennuah* Ng & Lahkar, 2003**

*Sisor chennuah* Ng & Lahkar, in Ng, 2003c: 2876, fig. 5. Type locality: India, Assam State, Brahmaputra River drainage, Dibrugarh. Holotype: NRM 40420.

Distribution: Brahmaputra River basin, India and Bangladesh (Ng, 2003c).

***Sisor rabdophorus* Hamilton, 1822**

*Sisor rabdophorus* Hamilton, 1822: 208, 379. Type locality: Northern rivers of Bengal and Behar [now India: West Bengal State, Bhagirathi River at crossing point between Kalna (Bardhaman District) and Nisinghapur (Nadia District) (23°13'33" N, 88°32'41.4"E), by neotype designation]. Neotype: ZRC 45829, designated by Ng (2003c: 2873, 2881).

Distribution: Ganges River basin, West Bengal, India (Ng, 2003c).

Remarks: Name often misspelled *Sisor rhabdophorus*, following the incorrect subsequent spelling in Cuvier & Valenciennes (1840).

***Sisor rheophilus* Ng, 2003**

*Sisor rheophilus* Ng, 2003c: 2877, fig. 6. Type locality: India: Uttar Pradesh State, Kali Nadi River, near Muzaffarnagar. Holotype: UMMZ 189651.

Distribution: Upper and middle Ganges River basin, Bihar State and Uttar Pradesh, India (Ng, 2003c).

***Sisor tortosus* Ng, 2003**

*Sisor tortosus* Ng, 2003c: 2878, fig. 7. Type locality: India: Bihar State, Ganges River at Patna. Holotype: CAS 96629.

Distribution: Middle Ganges River basin, Bihar and Delhi States, India (Ng, 2003c).

***Species inquirenda, Sisoridae***

*Exostoma Oschanini* Herzenstein, 1889a: 70. Upper Amu-Darya R., upper Syr-Derya R. basin (Ugam R, Tashkent), Uzbekistan. Syntypes: BMNH 1888.11.24.1 (1), ZIN 8055 (1), ZIN 8056 (1), ZIN 8057 (2). Also in Herzenstein (1889b:120).

**TRICHOMYCTERIDAE Bleeker, 1858**

Eremophilini Bonaparte, 1846: 5. Type genus: *Eremophilus* Humboldt, 1805.  
Trichomycterini Bleeker, 1858b: 49, 250, 257. Type genus: *Trichomycterus* Valenciennes, 1832.  
Vandelliini Bleeker, 1862 (in Bleeker, 1862–63): 17. Type genus: *Vandellia* Valenciennes, 1846.  
Stegophilina Günther, 1864: 5, 12, 276. Type genus: *Stegophilus* Reinhardt, 1859.  
Pareiodontinae Eigenmann, 1918c: 261. Type genus: *Pareiodon* Kner, 1855.  
Tridentinae Eigenmann, 1918c: 275. Type genus: *Tridens* Eigenmann & Eigenmann, 1889.  
Glanapteryginae Myers, 1944: 592. Type genus: *Glanapteryx* Myers, 1927.  
Sarcoglanidinae Myers & Weitzman, 1966: 278. Type genus: *Sarcoglanis* Myers & Weitzman, 1966.  
Trichogeninae Isbrücker, 1986: 276. Type genus: *Trichogenes* Britski & Ortega, 1983.  
Copionodontinae de Pinna, 1992b: 179. Type genus: *Copionodon* de Pinna, 1992.  
Taxonomic summary: de Pinna & Wosiacki (2003).  
Biogeography: Arratia (1990).  
Revision: Eigenmann (1918a); Tchernavin (1944, Trichomycterinae).  
Phylogeny: Baskin (1973), de Pinna (1989b, Glanapteryginae); de Pinna (1992b); Costa (1994); Bockmann *et al.* (2004).  
Review: Miranda Ribeiro (1946, 1951b, Brazilian Stegophilinae); Miranda Ribeiro (1947, Brazilian Vandelliinae);  
Miranda Ribeiro (1949b, 1956, 1957, Brazilian Trichomycterinae).  
41 genera, 207 species; no named fossil taxa (but see *Propygidium* in section below entitled “Names wrongly treated as Siluriformes”).

#### **ACANTHOPOMA** Lütken, 1892

*Acanthopoma* Lütken, 1892: 57. Type species: *Acanthopoma annectens* Lütken, 1892. Type by monotypy. Gender: Neuter.

#### ***Acanthopoma annectens*** Lütken, 1892

*Acanthopoma annectens* Lütken, 1892: 53, figures on p. 56. Type locality: Huallaga. Holotype: MTD F5245.  
Distribution: Upper and middle Amazon River basin, Brazil and Peru (de Pinna & Wosiacki, 2003).

#### **AMMOGLANIS** Costa, 1994

*Ammoglanis* Costa, 1994: 208. Type species: *Ammoglanis diaphanus* Costa, 1994. Type by original designation.  
Gender: Masculine.

#### ***Ammoglanis diaphanus*** Costa, 1994

*Ammoglanis diaphanus* Costa, 1994: 208, fig. 1. Type locality: Stream trib. to Rio Javaés, Rio Araguaia basin, ca. 40 km north of Araguaçu, 12°24'S, 49°58'W, Tocantin state, Brazil. Holotype: MNRJ 12442.  
Distribution: Stream tributary to Javaés River, Araguaia River basin, Brazil (de Pinna & Wosiacki, 2003).

#### ***Ammoglanis pulex*** de Pinna & Winemiller, 2000

*Ammoglanis pulex* de Pinna & Winemiller, 2000: 257, fig. 1. Type locality: Venezuela: Estado Amazonas: Río Paria Grande at bridge on road between Pto. Ayacucho and Samariapo (5°23'N 67°37'W). Holotype: MBUCV V-29040.  
Distribution: Paria Grande River, Pamoni River and Caño Garrapata, Venezuela (de Pinna & Wosiacki, 2003).

#### **APOMATOCEROS** Eigenmann, 1922

*Apomatoceros* Eigenmann, 1922a: 113. Type species: *Apomatoceros alleni* Eigenmann, 1922. Type by monotypy.  
Gender: Masculine.

#### ***Apomatoceros alleni*** Eigenmann, 1922

*Apomatoceros alleni* Eigenmann, 1922a: 113, pls. 3 (figs. 1–4), 4 (fig. 9). Type locality: Río Morona, upper Amazon system, Peru. Holotype: CAS 56174.  
Distribution: Amazon River basin, Peru (de Pinna & Wosiacki, 2003).

#### **BULLOCKIA** Arratia, Chang, Menu-Marque & Rojas, 1978

*Bullockia* Arratia, Chang, Menu-Marque & Rojas, 1978: 162, 187. Type species: *Hatcheria maldonadoi* Eigenmann, 1920. Type by monotypy. Gender: Feminine.

***Bullockia maldonadoi*** (Eigenmann, 1920)

*Hatcheria Maldonadoi* Eigenmann, 1920c: 53. Type locality: lower course of the Rio Nonguen where it passes through the ground of the Agricultural School, at the outskirts of Concepción, Chile. Lectotype: CAS 63842. Illustrated and described in more detail in Eigenmann (1927: 39, pl. 8, figs. 2–2b); with the lectotype established in caption to pl. 8.

*Hatcheria bullocki* Fowler, 1940b: 180, figs. 14–15. Type locality: Angol, Chile. Holotype: ANSP 69145. Böhlke (1984: 163) noted that stated locality in the original description is Angol, but catalog and label say “El Vergal.”

Distribution: Chile (de Pinna & Wosiacki, 2003).

Remarks: The description of *Hatcheria maldonadoi* stated that the Type (= Holotype) was illustrated. However, there was no illustration associated with that publication, so all of the examined specimens need to be treated as syntypes. The illustrated specimen in Eigenmann (1927) was labeled as the type, which is sufficient to be treated as a lectotype designation.

**COPIONODON** de Pinna, 1992

*Copionodon* de Pinna, 1992b: 181. Type species: *Copionodon pecten* de Pinna, 1992. Type by original designation. Gender: Masculine.

***Copionodon lianae*** Campanario & de Pinna, 2000

*Copionodon lianae* Campanario & de Pinna, 2000: 370, figs. 1–2. Type locality: Brazil: Bahia: Rio Grisante (Rio Mucujê basin), approx. 13°08'S 41°17'W. Holotype: MZUSP 42469.

Distribution: Grisante River, tributary to Mucujê River, Paraguaçu River basin, Brazil (de Pinna & Wosiacki, 2003).

***Copionodon orthiocarinatus*** de Pinna, 1992

*Copionodon orthiocarinatus* de Pinna, 1992b: 188, figs. 3–4. Type locality: Rio Mucujê, trib. of Rio Paraguaçu, Bahia, Brazil, ca. 13°00'S, 41°23'W, elev. 1200 m. Holotype: MZUSP 42463.

Distribution: Mucujê River, tributary of Paraguaçu River, Brazil (de Pinna & Wosiacki, 2003).

***Copionodon pecten*** de Pinna, 1992

*Copionodon pecten* de Pinna, 1992b: 182, figs. 1–2. Type locality: Rio Mucujê, trib. of R. Paraguaçu, Bahia, Brazil, ca. 13°00'S, 41°23'W, elev. 1200 m. Holotype: MZUSP 42461.

Distribution: Mucujê River, tributary of Paraguaçu River, Brazil (de Pinna & Wosiacki, 2003).

**EREMOPHILUS** Humboldt, 1805

*Eremophilus* Humboldt, 1805a: 17. Type species: *Eremophilus mutisii* Humboldt, 1805. Type by monotypy. Gender: Masculine.

*Thrichomycterus* Humboldt, 1805a: 18. Type species: *Eremophilus mutisii* Humboldt, 1805. Type by monotypy. Gender: Masculine. Given as an alternative name, but never used subsequently, for *Eremophilus* Humboldt.

*Trachypoma* Giebel, 1871: 97. Type species: *Trachypoma marmoratum* Giebel, 1871. Type by original designation. Gender: Neuter. Preoccupied by *Trachypoma* Günther, 1859, in fishes; apparently not replaced.

***Eremophilus mutisii*** Humboldt, 1805

*Eremophilus mutisii* Humboldt, 1805a: 18, pl. 6. Type locality: petite rivière de Bogota, qui forme la fameuse catarate de Tequendama, Colombia. No types known.

? *Trachypoma marmoratum* Giebel, 1871: 97. Type locality: obern Amazonenstrom. Type(s): Whereabouts unknown.

Distribution: Bogotá River basin; probably introduced to Ubaté, Chinquinquirá and Tundama valleys, Colombia (de Pinna & Wosiacki, 2003).

**GLANAPTERYX** Myers, 1927

*Glanapteryx* Myers, 1927: 128. Type species: *Glanapteryx anguilla* Myers, 1927. Type by original designation. Gender: Feminine.

***Glanapteryx anguilla*** Myers, 1927

*Glanapteryx anguilla* Myers, 1927: 129. Type locality: Rapids of São Gabriel, Rio Negro system, Brazil. Holotype: CAS 56048.

Distribution: Negro and Orinoco River basins, Brazil and Venezuela (Nico & de Pinna, 1996; de Pinna & Wosiacki, 2003).

Remarks: Redescribed in de Pinna (1989b), with notes on distribution in Nico & de Pinna (1996).

***Glanapteryx niobium*** de Pinna, 1998

*Glanapteryx niobium* de Pinna, 1998b: 36, fig. 1. Type locality: Brazil, State of Amazonas, Pico da Neblina National Park, Morro dos Seis Lagos (approx. 0°17'N 66°41'W), Lago Esperança. Holotype: INPA 12421.

Distribution: Morro dos Seis Lagos, Negro River basin, Brazil (de Pinna & Wosiacki, 2003).

**GLAPHYROPOMA** de Pinna, 1992

*Glaphyropoma* de Pinna, 1992b: 194. Type species: *Glaphyropoma rodriguesi* de Pinna, 1992. Type by original designation. Gender: Feminine.

***Glaphyropoma rodriguesi*** de Pinna, 1992

*Glaphyropoma rodriguesi*, 1992b: 196, figs. 7–8. Type locality: Rio Mucujê, trib. of Rio Paraguaçu, Bahia, Brazil, ca. 13°00'S, 41°23'W, elev. 1200 m. Holotype: MZUSP 42465.

Distribution: Mucujê River, tributary of Paraguaçu River, Brazil (de Pinna & Wosiacki, 2003).

**HAEMOMASTER** Myers, 1927

*Haemomaster* Myers, 1927: 131. Type species: *Haemomaster venezuelae* Myers, 1927. Type by original designation. Gender: Masculine.

***Haemomaster venezuelae*** Myers, 1927

*Haemomaster venezuelae* Myers, 1927: 131. Type locality: Venezuela, Playa Matepalma, Orinoco. Holotype: CAS 55882.

Distribution: Amazon and Orinoco River basins, Brazil and Venezuela (de Pinna & Wosiacki, 2003).

Remarks: Redescribed in Schmidt (1985).

**HATCHERIA** Eigenmann, 1909

*Hatcheria* Eigenmann, 1909b: 250. Type species: *Hatcheria patagoniensis* Eigenmann, 1909. Type by original designation. Gender: Feminine.

Revision: Arratia & Menu-Marque (1981).

***Hatcheria macraei*** (Girard, 1855)

*Thrichomycterus macraei* Girard, 1855: 245. Type locality: Near Uspullata, east side of the Cordilleras, Argentina, elev. 7000 ft. Syntypes: MCZ 8298 (1), USNM 1546 (orig. 3, now 1).

*Pygidium Burmeisteri* Berg, 1895: 128, pl. 2 (fig. 1). Type locality: Provincia Mendoza (Río Mendoza), Argentina. Holotype: at MACN.

*Hatcheria patagoniensis* Eigenmann, 1909b: 250, pl. 33 (fig. 2), pl. 34 (fig. 1). Type locality: Río Blanco at base of Andes, Patagonia, Argentina, 47°30'S, 72°W. Holotype: Whereabouts unknown.

*Hatcheria titcombi* Eigenmann, 1918c: 692. Type locality: Rio Comajo; tributary of Lake Traftul, tributary to Rio Limay, Argentina. Holotype: CAS 28557; holotype illustrated in Eigenmann (1918a: 284, pl. 44, fig. 2).

*Hatcheria pique* MacDonagh, 1938: 171, figs. 23–24. Type locality: Río Colorado cerca de su desembocadura, vecino a la estación Pedro Luro del F. C. S., Argentina. Holotype: MLP 15.X.36.

Distribution: Cis-Andean rivers of Argentina, between 29° and 45°30'S (de Pinna & Wosiacki, 2003).

**HENONEMUS** Eigenmann & Ward, 1907

*Henonemus* Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 118. Type species: *Stegophilus intermedius* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

*Cobitiglanis* Fowler, 1914: 268. Type species: *Ochmacanthus taxistigma* Fowler, 1914. Type by original designation. Gender: Masculine. Proposed originally as a subgenus of *Ochmacanthus*.

***Henonemus intermedius*** (Eigenmann & Eigenmann, 1889)

*Stegophilus intermedius* Eigenmann & Eigenmann, 1889b: 54. Type locality: Goyaz [Brazil]. Holotype: MCZ 9842. Distribution: Araguaia River basin, Brazil (de Pinna & Wosiacki, 2003).

***Henonemus macrops*** (Steindachner, 1882)

*Stegophilus macrops* Steindachner, 1882b: 178. Type locality: Amazonenstrom. Holotype: at NMW. Species illustrated and described in more detail in Steindachner (1882c: 28, pl. 6, figs. 2, 2a).

Distribution: Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

***Henonemus punctatus*** (Boulenger, 1887)

*Stegophilus punctatus* Boulenger, 1887c: 279, pl. 21 (fig. 4). Type locality: Canelos. Holotype: BMNH 1880.12.8.89.

Distribution: Amazon River basin of Brazil, Ecuador and Peru (de Pinna & Wosiacki, 2003).

***Henonemus taxistigma*** (Fowler, 1914)

*Ochmacanthus taxistigma* Fowler, 1914: 268, fig. 16. 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 39344.

Distribution: Rupununi River basin, Guyana (de Pinna & Wosiacki, 2003).

**HOMODIAETUS** Eigenmann & Ward, 1907

*Homodiaetus* Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 117. Type species: *Homodiaetus anisitsi* Eigenmann & Ward, 1907. Type by original designation. Gender: Masculine.

Revision: Koch (2002).

***Homodiaetus anisitsi*** Eigenmann & Ward, 1907

*Homodiaetus anisitsi* Eigenmann & Ward, in Eigenmann, McAtee & Ward, 1907: 119, pl. 34 (figs. 2–3). Type locality: small creek at Villa Rica, Paraguay. Holotype: CAS 37276; holotype illustrated in Eigenmann (1918a: 351; pl. 56, fig. 3, 5).

*Homodiaetus vazferreirai* Devincenzi, in Devincenzi & Vaz-Ferreira, 1939: 168, figured. Type locality: río Uruguay, en las inmediaciones de la ciudad de Paysandú, Uruguay. Holotype: MHNM CI 345.

Distribution: Paraná-Paraguay River basin (Koch, 2002).

***Homodiaetus banguela*** Koch, 2002

*Homodiaetus banguela* Koch, 2002: 42, fig. 4. Type locality: Brasil, Rio de Janeiro: Silva Jardim (rio São João, no cruzamento com a BR-101). Holotype: MCP 19619.

Distribution: São João River, State of Rio de Janeiro, southeastern Brazil (Koch, 2002).

***Homodiaetus graciosa*** Koch, 2002

*Homodiaetus graciosa* Koch, 2002: 44, fig. 5. Type locality: Brasil, Paraná, Morretes (rio Sagrado, posto florestal). Holotype: MCP 19618.

Distribution: Coastal basins of southeastern Brazil in states of Paraná and São Paulo (Koch, 2002).

***Homodiaetus passarellii*** (Miranda Ribeiro, 1944)

*Stegophilus passarellii* Miranda Ribeiro, 1944c: 1, fig. on p. 2. Type locality: Córrego do Barro Branco (conhecido atualmente como Roncador) com nascentes na Serra do Barro Branco e desaguando no canal Saracuruna— um dos formadores do rio Estrêla (hoje também conhecido como Canal), e que se lança no fundo de baía de Guanabara no local denominado “Boqueirão” estrada de Magé, Estado do Rio de Janeiro [Brazil]. Holotype: MNRJ 3783.

Distribution: Coastal basins of Rio de Janeiro State, southeastern Brazil (Koch, 2002).

**ITUGLANIS** Costa & Bockmann, 1993

*Ituglanis* Costa & Bockmann, 1993: 44. Type species: *Pygidium proops parahybae* Eigenmann, 1918. Type by original designation. Gender: Masculine.

***Ituglanis amazonicus*** (Steindachner, 1882)

*Trichomycterus amazonicus* Steindachner, 1882b: 178. Type locality: Cudajas [Brazil]. Holotype: NMW 43306. Species illustrated and described in more detail in Steindachner (1882c: 29, pl. 6, figs. 4, 4a).

Distribution: Amazon River basin, Brazil, and rivers of French Guiana (de Pinna & Wosiacki, 2003).

***Ituglanis bambui*** Bichuette & Trajano, 2004

*Ituglanis bambui* Bichuette & Trajano, 2004: 245, fig. 1. Type locality: Brazil: Goiás: São Domingos: Terra Ronca

State Park: Angélica Cave: upper tributary of main subterranean stream, formed by infiltration of epikarstic water, 13°31'W, 46°23'W. Holotype: MZUSP 79860.

Distribution: São Domingos karst area, Tocantins River basin, Brazil (Bichuette & Trajano, 2004).

***Ituglanis eichorniarum*** (Miranda Ribeiro, 1912)

*Trichomycterus eichorniarum* Miranda Ribeiro, 1912: 27. Type locality: Cáceres, nas margens do Paraguay (M. Grosso) [Brazil]. Lectotype: MNRJ 780A, designated by Miranda Ribeiro (1953: 405).

Distribution: Upper Paraguay River basin, Brazil (de Pinna & Wosiacki, 2003).

***Ituglanis epikarsticus*** Bichuette & Trajano, 2004

*Ituglanis epikarsticus* Bichuette & Trajano, 2004: 248, fig. 4. Type locality: Brazil: Goiás: São Domingos: Terra Ronca State Park: São Mateus Cave: rimstone dams (travertine basins) fed by infiltration of epikarstic water (13°40'S, 46°22'W). Holotype: MZUSP 79869.

Distribution: São Domingos karst area, Tocantins River basin, Brazil (Bichuette & Trajano, 2004).

***Ituglanis gracilior*** (Eigenmann, 1912)

*Pygidium gracilior* Eigenmann, 1912b: 213. Type locality: Erukin, British Guiana. Holotype: FMNH 53264; holotype illustrated in Eigenmann (1918a: 326; pl. 50, fig. 3).

Distribution: Guyana (de Pinna & Wosiacki, 2003).

***Ituglanis guayaberensis*** (Dahl, 1960)

*Pygidium metae guayaberensis* Dahl, 1960b: 307, fig. 2. Type locality: Small pond in a brook trib. to Río Guayabero, ca. 1 km from mouth of the brook In a brook approx. 1500 m. from Camp 1, same locality as the holotype of *Leyvaichthys castaneus*, Orinoco System, Colombia. Holotype: Whereabouts unknown (possibly at ICN-MHN).

Distribution: Guayabero River basin, Orinoco drainage, Colombia (de Pinna & Wosiacki, 2003).

***Ituglanis herberti*** (Miranda Ribeiro, 1940)

*Trichomycterus Herberti* Miranda Ribeiro, 1940: 60, fig. Type locality: Rio Bodoquena, Pantanal, sur de Mato Grosso [Brazil]. Syntypes (7): MNRJ 1428 (2), MNRJ 1429 (5).

Distribution: Bodoquena River, Paraguay River basin, Brazil (de Pinna & Wosiacki, 2003).

***Ituglanis laticeps*** (Kner, 1863)

*Trichomycterus laticeps* Kner, 1863: 228, fig. 17. Type locality: Fundort, wie die vorige Art [in reference to *Trichomycterus taenia*, from "Westabhänge der Andes im Staate Ecuador"]. Also described in Kner & Steindachner (1864: 54, pl. 6, fig. 2).

Distribution: Ecuador (de Pinna & Wosiacki, 2003).

***Ituglanis macunaima*** Datovo & Landim, 2005

*Ituglanis macunaima* Datovo & Landim, 2005: 456, fig. 1. Type locality: Brazil, Mato Grosso, Cocalinho; rio Araguaia basin, Corixo da Saudade (Corixinho); 14°17'20.6"S 51°9'12.1"W. Holotype: MZUSP 88452.

Distribution: Araguaia River basin, Brazil (Datovo & Landim, 2005).

***Ituglanis metae*** (Eigenmann, 1918)

*Pygidium metae* Eigenmann, 1918c: 694. Type locality: Barrigona, Colombia. Holotype: CAS 58138; holotype illustrated in Eigenmann (1918a: 312, pl. 47, fig. 5).

Distribution: Colombia (de Pinna & Wosiacki, 2003).

***Ituglanis nebulosus*** de Pinna & Keith, 2003

*Ituglanis nebulosus* de Pinna & Keith, 2003: 874, figs. 1, 2. Type locality: French Guiana, Arataye river (Tributary of Approuague river), near the natural preserve "Reserve naturelle des Nouragues" (04°00'22"N, 52°36'34"W). Holotype: MNHN 2001-1128.

Distribution: Approuague River basin, French Guiana (de Pinna & Keith, 2003).

***Ituglanis parahybae*** (Eigenmann, 1918)

*Pygidium proops parahybae* Eigenmann, 1918a: 332. Type locality: Rio Parahyba, Brazil. Holotype: FMNH 58576.

Distribution: Paraíba do Sul and São João River basins, Brazil (de Pinna & Wosiacki, 2003).

***Ituglanis parkoi*** (Miranda Ribeiro, 1944)

*Pygidium parkoi* Miranda Ribeiro, 1944b: 1, fig. Type locality: rio Iticoaí (entre os rios das Pedras e Ituí) que deságua no Javari, afluente do Amazonas, Benjamin Constant, Estados do Amazonas [Brazil]. Holotype: MNRJ

3849.

Distribution: Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

***Ituglanis passensis*** Fernández & Bichuette, 2002

*Ituglanis passensis* Fernández & Bichuette, 2002: 274, fig. 1. Type locality: Brazil: Goiás: São Domingos: Passa Três cave: subterranean stream in the Tocantins drainage, 13°36'S 46°23'W. Holotype: MCP 27382.

Distribution: Passa Três cave system in São Domingos, Goiás, Brazil (de Pinna & Wosiacki, 2003).

***Ituglanis proops*** (Miranda Ribeiro, 1908)

*Trichomycterus proops* Miranda Ribeiro, 1908b: [3], fig. 4. Type locality: Rio Ribeira, Iguape, [Brazil]. Lectotype: MNRJ 781A, designated by Miranda Ribeiro (1953: 405).

Distribution: Ribeira de Iguape River basin, Brazil (de Pinna & Wosiacki, 2003).

***Ituglanis ramiroi*** Bichuette & Trajano, 2004

*Ituglanis ramiroi* Bichuette & Trajano, 2004: 250, fig. 7. Type locality: Brazil: Goiás: São Domingos: Terra Ronca State Park: São Bernardo Cave: side pool fed by small water inlet (13°49'S, 46°21'W), for about 700 m from cave entrance. Holotype: MZUSP 79865.

Distribution: São Domingos karst area, Tocantins River basin, Brazil (Bichuette & Trajano, 2004).

**LISTRURA** de Pinna, 1988

*Listrura* de Pinna, 1988: 114. Type species: *Listrura nematopteryx* de Pinna, 1988. Type by original designation. Gender: Feminine.

***Listrura boticario*** de Pinna & Wosiacki, 2002

*Listrura boticario* de Pinna & Wosiacki, 2002: 721, fig. 1. Type locality: Brazil, State of Paraná, Município de Guaraqueçaba, pool adjacent to Rio da Figueira (tributary of Rio Morato, itself tributary to Rio Guaraqueçaba, an isolated coastal basin that drains directly into the Baía das Laranjeiras), inside the nature preserve “Reserva Particular do Patrimônio Natural Salto Morato” (25°16'S, 48°12'W, UTM: 7.212.500–7.215.400). Holotype: MZUSP 69573.

Distribution: Da Figueira and Guaraqueçaba River basins, Paraná State, Brazil (de Pinna & Wosiacki, 2003).

***Listrura camposi*** (Miranda Ribeiro, 1957)

*Eremophilus camposi* Miranda Ribeiro, 1957: 72, fig. Type locality: Rio Poço Grande, [trib. of the Rio Juquiá, Fazenda Poço Grande, Juquiá, ca. 24°15'S, 47°37'W, Sao Paulo State, Brazil]. Holotype: MZUSP 3426.

Distribution: Poço Grande River, tributary of the Juquiá River, São Paulo State, and Ribeirão da Ilha, Florianópolis, Santa Catarina State, Brazil (de Pinna & Wosiacki, 2003).

***Listrura nematopteryx*** de Pinna, 1988

*Listrura nematopteryx* de Pinna, 1988: 115, figs. 1–2. Type locality: Small marsh which is source of creek later joining Ribeirão Imbariê, trib. of Rio Estrela, near 58 km mark of old road leading to Petrópolis (Antiga Rio-Petrópolis, also called “Estrada Automóvel Club”), Município de Magé, Localidade de Piabetá, Rio de Janeiro, Brazil (22°36'36"S 43°11'26"W). Holotype: MZUSP 36974.

Distribution: Imbariê Creek, basin, Estrela River system, Piabetá, Rio de Janeiro State, and Picinguaba, São Paulo State, Brazil (de Pinna & Wosiacki, 2003).

***Listrura tetaradiata*** Landim & Costa, 2002

*Listrura tetaradiata* Landim & Costa, 2002: 152, fig. 1. Type locality: Brazil: Estado do Rio de Janeiro: Município de Saquarema, rio da Represa, a tributary of rio Bom Sucesso, rio Ibicuíba basin of the Lagoa de Araruama system, Palmital, approximately 5 km north from Bacaxá, about 22°50'S, 42°28'W. Holotype: MZUSP 52572.

Distribution: Ibicuíba River, Araruama Lagoon system, Brazil (de Pinna & Wosiacki, 2003).

**MALACOGLANIS** Myers & Weitzman, 1966

*Malacoglanis* Myers & Weitzman, 1966: 281. Type species: *Malacoglanis gelatinosus* Myers & Weitzman, 1966. Type by original designation. Gender: Masculine.

***Malacoglanis gelatinosus*** Myers & Weitzman, 1966

*Malacoglanis gelatinosus* Myers & Weitzman, 1966: 282, figs. 3–4. Type locality: Small caño of the Río Orteguzá, a short distance above its junction with the Rio Caquetá, Caquetá Province, Colombia. Holotype: SU 50754.



Distribution: Caquetá River basin, Colombia (de Pinna & Wosiacki, 2003).

**MEGALOCENTOR** de Pinna & Britski, 1991

*Megalocentor* de Pinna & Britski, 1991: 115. Type species: *Megalocentor echthrus* de Pinna & Britski, 1991. Type by original designation. Gender: Masculine.

***Megalocentor echthrus*** de Pinna & Britski, 1991

*Megalocentor echthrus* de Pinna & Britski, 1991: 116, figs. 3, 4 (a–b). Type locality: Rio Madeira, Calama, Praia do Caraparu, Estado do Amazonas, Brazil. Holotype: MZUSP 41879.

Distribution: Amazon and Orinoco River basins (de Pinna & Wosiacki, 2003).

**MICROCAMBEVA** Costa & Bockmann, 1994

*Microcambeva* Costa & Bockmann, 1994a: 718. Type species: *Microcambeva barbata* Costa & Bockmann, 1994. Type by original designation. Gender: Feminine.

***Microcambeva barbata*** Costa & Bockman, 1994

*Microcambeva barbata* Costa & Bockmann, 1994a: 718, figs. 2–3. Type locality: Brazil: Estado do Rio de Janeiro: rio São João, near Gaviões, Município de Silva Jardim. Holotype: MZUSP 43678.

Distribution: Atlantic coastal drainages of Rio de Janeiro and Espírito Santo states, Brazil (de Pinna & Wosiacki, 2003).

***Microcambeva ribeirae*** Costa, Lima & Bizerril, 2004

*Microcambeva ribeirae* Costa, Lima & Bizerril, 2004: 3, figs. 1, 2. Type locality: Brazil: Estado de São Paulo: Município de Pedro de Toledo, Rio São Lourençinho, no Bairro São Lourenço. Holotype: MZUSP 84301.

Distribution: Ribeira do Iguape River basin, SE Brazil (Costa *et al.*, 2004).

**MIUROGLANIS** Eigenmann & Eigenmann, 1889

*Miuroglanis* Eigenmann & Eigenmann, 1889b: 55. Type species: *Miuroglanis platycephalus* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

***Miuroglanis platycephalus*** Eigenmann & Eigenmann, 1889

*Miuroglanis platycephalus* Eigenmann & Eigenmann, 1889b: 56. Type locality: Jutahy [Brazil]. Holotype: MCZ 8172.

Distribution: upper Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

**OCHMACANTHUS** Eigenmann, 1912

*Ochmacanthus* Eigenmann, 1912: 213. Type species: *Ochmacanthus flabelliferus* Eigenmann, 1912. Type by original designation. Gender: Masculine.

*Gyrinurus* Miranda Ribeiro, 1912: 27. Type species: *Gyrinurus batrachostoma* Miranda Ribeiro, 1912. Type by monotypy. Gender: Masculine.

***Ochmacanthus alternus*** Myers, 1927

*Ochmacanthus alternus* Myers, 1927: 129. Type locality: Venezuela: Caño de Quiribana, near Caicara. Lectotype: CAS 13522.

Distribution: Negro and Orinoco River basins, Brazil and Venezuela (de Pinna & Wosiacki, 2003).

***Ochmacanthus batrachostoma*** (Miranda Ribeiro, 1912)

*Gyrinurus batrachostoma* Miranda Ribeiro, 1912: 28, pl. Type locality: rio Paraguay em S. Luiz de Cáceres [Mato Grosso, Brazil]. Holotype: MNRJ 786.

Distribution: Paraguay River basin, Brazil (de Pinna & Wosiacki, 2003); la Plata basin, Argentina (Casciotta & Almirón, 1996).

***Ochmacanthus flabelliferus*** Eigenmann, 1912

*Ochmacanthus flabelliferus* Eigenmann, 1912b: 213. Type locality: Konawaruk, British Guiana. Holotype: FMNH 53263; holotype illustrated in Eigenmann (1918a: 357; pl. 55, fig. 5).

Distribution: River drainages in Guyana and Venezuela (de Pinna & Wosiacki, 2003).

***Ochmacanthus orinoco*** Myers, 1927

*Ochmacanthus orinoco* Myers, 1927: 130. Type locality: Venezuela: Playa Matepalma, Orinoco. Holotype: CAS 76355.

Distribution: Negro and Orinoco River basins, Brazil and Venezuela (de Pinna & Wosiacki, 2003).

***Ochmacanthus reinhardtii*** (Steindachner, 1882)

*Stegophilus Reinhardtii* Steindachner, 1882b: 178. Type locality: Amazonenstrom und Rio Iça. Syntypes: NMW 44735 (2), NMW 50603 (3). Species illustrated and described in more detail in Steindachner (1882c: 28, pl. 6, fig. 1).

Distribution: Amazon River basin, Brazil, and drainages in French Guyana (de Pinna & Wosiacki, 2003).

**PARACANTHOPOMA** Giltay, 1935

*Paracanthopoma* Giltay, 1935: 1. Type species: *Paracanthopoma parva* Giltay, 1935. Type by original designation. Gender: Neuter.

Phylogeny: Schmidt (1993).

***Paracanthopoma parva*** Giltay, 1935

*Paracanthopoma parva* Giltay, 1935: 1, figs. 1–3. Type locality: Rio Catrymany supérieur [Brazil]. Holotype: IRSNB 43.

Distribution: Amazon basin, Brazil, and Essequibo River basin, Guyana (de Pinna & Wosiacki, 2003).

Remarks: Redescribed, with notes on biology, in Schmidt (1993).

**PARASTEGOPHILUS** Miranda Ribeiro, 1946

*Parastegophilus* Miranda Ribeiro, 1946: 12. Type species: *Stegophilus maculatus* Steindachner, 1879. Type by original designation. Gender: Masculine.

***Parastegophilus maculatus*** (Steindachner, 1879)

*Stegophilus maculatus* Steindachner, 1879a: 32. Type locality: La Plata, Prov. of Buenos Aires, Argentina. Holotype: NMW 57222. Species illustrated and described in more detail in Steindachner (1879e: 25, pl. 4, fig. 2).

Distribution: Lower Paraná and Uruguay River basins, Argentina (de Pinna & Wosiacki, 2003).

***Parastegophilus paulensis*** (Miranda Ribeiro, 1918)

*Pseudostegophilus paulensis* Miranda Ribeiro, 1918e: 727. Type locality: Avandava, Rio Tieté, Estado de São Paulo [Brazil]. Holotype: MZUSP 2272.

*Pseudostegophilus scarificator* Ihering, 1930: 100, pl. 13 (fig. 2). Type locality: São Paulo [Brazil]. Syntypes (2): Whereabouts unknown.

Distribution: Upper Paraná River basin, Brazil (de Pinna & Wosiacki, 2003).

**PARAVANDELLIA** Miranda Ribeiro, 1912

*Paravandellia* Miranda Ribeiro, 1912: 28. Type species: *Paravandellia oxyptera* Miranda Ribeiro, 1912. Type by monotypy. Gender: Feminine.

*Branchioica* Eigenmann, 1918c: 702. Type species: *Branchioica bertonii* Eigenmann, 1918. Type by original designation. Gender: Feminine.

*Pleurophysus* Miranda Ribeiro, 1918d: 636. Type species: *Pleurophysus hydrostaticus* Miranda Ribeiro, 1918. Type by monotypy. Gender: Masculine.

*Parabranchoica* Devincenzi & Vaz-Ferreira, 1939: 5. Type species: *Parabranchoica teaguei* Devincenzi & Vaz-Ferreira, 1939. Type by monotypy. Gender: Feminine.

***Paravandellia oxyptera*** Miranda Ribeiro, 1912

*Paravandellia oxyptera* Miranda Ribeiro, 1912: 29. Type locality: Cáceres, margens do Rio Paraguai [Brazil]. Holotype: MNRJ 790.

*Branchioica bertonii* Eigenmann, 1918c: 703. Type locality: Asuncion, Paraguay. Holotype: CAS 63840; holotype illustrated in Eigenmann (1918a: 368, pl. 53, figs. 3–5) as *Branchioica bertonii*.

*Pleurophysus hydrostaticus* Miranda Ribeiro, 1918d: 636. Type locality: Rio Claro [Brazil]. Lectotype: MZUSP 2214, designated by Britski (1969: 206).

*Vandellia hematophaga* Guimarães, 1935: 300, figs. 1–4. Type locality: Ríó Tietê, Salto, São Paulo [Brazil]. Lecto-

type: SU 16766, designated by Böhlke (1953: 45).

*Parabranchioica teaguei* Devincenzi & Vaz-Ferreira, 1939: 5, unnumbered figure. Type locality: río Uruguay, en las inmediaciones de la ciudad de Paysandú [Uruguay]. Type(s): at MHNM.

Distribution: Paraná, Paraguay and Uruguay River basins, Brazil, Paraguay, and Uruguay (de Pinna & Wosiacki, 2003).

***Paravandellia phaneronema*** (Miles, 1943)

*Branchioica phaneronema* Miles, 1943a: 32, fig. 8. Type locality: various points in the Upper Cauca valley. Holotype: lost (Román-Valencia, 1998). Described again in Miles (1943b: 367, figs. 1–3).

*Branchioica magdalenae* Miles, 1943a: 33. Type locality: Río Magdalena, Colombia. Holotype: lost (Román-Valencia, 1998). Described again in Miles (1943b: 368).

Distribution: Magdalena and Cauca River basins, Colombia (de Pinna & Wosiacki, 2003).

Remarks: Although both of these nominal species were described twice in 1943, the text of Miles (1943b) indicates that the names were first made available in Miles (1943a). Román-Valencia (1998) treated *Branchioica magdalenae* as a junior synonym of *Paravandellia phaneronema*, thereby acting as first reviser.

**PAREIODON** Kner, 1855

*Pareiodon* Kner, 1855a: 160. Type species: *Pareiodon microps* Kner, 1855. Type by monotypy. Gender: Masculine.

*Centrophorus* Kner, 1859: 167 (footnote). Type species: *Pareiodon microps* Kner, 1855. Type by being a replacement name. Gender: Masculine. Unneeded replacement for *Pareiodon* Kner, 1855, then considered preoccupied by *Parodon*. Preoccupied by *Centrophorus* Müller & Henle, 1837, in Elasmobranchs.

*Astemomycterus* Guichenot, 1860: 525. Type species: *Trichomycterus pusillus* Castelnau, 1855. Type by original designation. Gender: Masculine.

***Pareiodon microps*** Kner, 1855

*Pareiodon microps* Kner, 1855a: 160, fig. 2. Type locality: Borba (?) [Río Madeira]. Syntypes: NMW 45486 (2).

*Trichomycterus pusillus* Castelnau, 1855: 50, pl. 24 (fig. 4). Type locality: l'Araguay et [...] l'Amazone. Syntypes: MNHN 0000-1210 (4).

Distribution: Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

Remarks: Priority of publication of the two included synonyms may not have yet been established, inasmuch as the precise dates of publication of the two works were not listed in Eschmeyer *et al.* (1998) or other relevant publications. If priority cannot be used to resolve this issue, precedence must be given to *Pareiodon microps* by first reviser action of Eigenmann & Eigenmann (1889: 346).

**PLECTROCHILUS** Miranda Ribeiro, 1917

*Plectrochilus* Miranda Ribeiro, 1917: 50. Type species: *Plectrochilus machadoi* Miranda Ribeiro, 1917. Type by monotypy. Gender: Masculine.

***Plectrochilus diabolicus*** (Myers, 1927)

*Urinophilus diabolicus* Myers, 1927: 132. Type locality: Iquitos, Peru. Holotype: CAS 59940.

Distribution: Amazon River basin, Brazil and Peru (de Pinna & Wosiacki, 2003).

***Plectrochilus machadoi*** Miranda Ribeiro, 1917

*Plectrochilus machadoi* Miranda Ribeiro, 1917: 50, three unnumbered figures. Type locality: Fluvio Solimões, [Brazil]. Holotype: MNRJ 978.

*Vandellia hasemani* Eigenmann, 1918a: 363, figs. 33–35, pl. 53 (fig. 3). Type locality: Río Mamoré, Alto Amazonas, Bolivia. Holotype: FMNH 58523.

Distribution: Amazon River basin, Brazil and Peru (de Pinna & Wosiacki, 2003).

***Plectrochilus wieneri*** (Pellegrin, 1909)

*Vandellia wieneri* Pellegrin, 1909e: 199, unnumbered figure. Type locality: [Río Napo, near mouth of Río Misahuallí, Ecuador]. Holotype: MNHN a-9934.

Distribution: Napo River basin, Ecuador (de Pinna & Wosiacki, 2003).

**PSEUDOSTEGOPHILUS** Eigenmann & Eigenmann, 1889

*Pseudostegophilus* Eigenmann & Eigenmann, 1889b: 54. Type species: *Stegophilus nemurus* Günther, 1869. Type by original designation. Gender: Masculine.

***Pseudostegophilus haemomyzon*** (Myers, 1942)

*Homodiaetus haemomyzon* Myers, 1942: 98, fig. 4. Type locality: Río Guarico at Calabozo, Venezuela. Holotype: SU 36500.

Distribution: Orinoco River basin, Venezuela (de Pinna & Wosiacki, 2003).

***Pseudostegophilus nemurus*** (Günther, 1869)

*Stegophilus nemurus* Günther, 1869: 429. Type locality: Upper Amazon River, Peru. Holotype: BMNH 1869.5.21.9.

Distribution: Amazon River basin, Brazil and Peru (de Pinna & Wosiacki, 2003).

**PYGIDIANOPS** Myers, 1944

*Pygidianops* Myers, 1944: 592. Type species: *Pygidianops eigenmanni* Myers, 1944. Type by original designation. Gender: Masculine.

Key: Schaefer *et al.* (2005: 5).

***Pygidianops cuao*** Schaefer, Provenzano, de Pinna & Baskin, 2005

*Pygidianops cuao* Schaefer, Provenzano, de Pinna & Baskin, 2005: 5, figs. 1, 2. Type locality: Venezuela, Estado Amazonas, Río Cuao at Raudal Guacamaya, 8.1 miles upstream from Raudal El Danto, 05°07.71'N, 67°31.53'W. Holotype: MBUCV V-30917.

Distribution: Cuao River, Orinoco basin, Venezuela (Schaefer *et al.*, 2005).

***Pygidianops eigenmanni*** Myers, 1944

*Pygidianops eigenmanni* Myers, 1944: 592, pl. 52 (fig. 1), pl. 53 (figs. 3–5). Type locality: Rock pools below São Gabriel Rapids, Rio Negro, Brazil. Holotype: CAS 11120.

Distribution: Negro River basin, Brazil (de Pinna & Wosiacki, 2003).

***Pygidianops magoi*** Schaefer, Provenzano, de Pinna & Baskin, 2005

*Pygidianops magoi* Schaefer, Provenzano, de Pinna & Baskin, 2005: 10, figs. 5, 6. Type locality: Venezuela, Estado Delta Amacuro, Río Orinoco at Puerto Cabrian, 8°34.8'N, 62°15.9'W. Holotype: MBUCV V-31035.

Distribution: Lower Orinoco River, between Ciudad Bolívar and Barrancas, Venezuela (Schaefer *et al.*, 2005).

**RHIZOSOMICHTHYS** Miles, 1943

*Bathophilus* Miles, 1942: 57. Type species: *Pygidium totae* Miles, 1942. Type by monotypy. Gender: Masculine. Preoccupied by *Bathophilus* Giglioli, 1882, in fishes; replaced by *Rhizosomichthys* Miles, 1943, and *Bathypygidium* Whitley, 1947.

*Rhizosomichthys* Miles, 1943b: 369. Type species: *Pygidium totae* Miles, 1942. Type by being a replacement name. Gender: Masculine. Replacement for *Bathophilus* Miles, 1942; preoccupied by *Bathophilus* Giglioli, 1882.

*Bathypygidium* Whitley, 1947: 150. Type species: *Pygidium totae* Miles, 1942. Type by being a replacement name. Gender: Neuter. Replacement for *Bathophilus* Miles, 1942; preoccupied by *Bathophilus* Giglioli, 1882.

***Rhizosomichthys totae*** (Miles, 1942)

*Pygidium totae* Miles, 1942: 55, unnumbered figure. Type locality: Lago de Tota, Boyacá, Cordillera Oriental, Colombia, 3060 metros. Holotype: ICNMNH 20 [? now ICNMHN 353].

Distribution: Lake Tota basin, Colombia (de Pinna & Wosiacki, 2003).

**SARCOGLANIS** Myers & Weitzman, 1966

*Sarcoglanis* Myers & Weitzman, 1966: 279. Type species: *Sarcoglanis simplex* Myers & Weitzman, 1966. Type by original designation. Gender: Masculine.

***Sarcoglanis simplex*** Myers & Weitzman, 1966

*Sarcoglanis simplex* Myers & Weitzman, 1966: 279, figs. 1–2. Type locality: Rock pools below São Gabriel Rapids, of the Rio Negro (below the town of Uaupés, formerly São Gabriel), Estado de Amazonas, Brazil. Holotype: SU 50189.

Distribution: Upper Negro River basin, Brazil (de Pinna & Wosiacki, 2003).

**SCHULTZICHTHYS** Myers & Weitzman, 1966

*Schultzichthys* Dahl, 1960b: 312. Type species: *Schultzichthys gracilis* Dahl, 1960. Type by monotypy. Gender: Masculine.

***Schultzichthys bondi*** (Myers, 1942)

*Acanthopoma bondi* Myers, 1942: 97, fig. 5. Type locality: Río Apuré at San Fernando de Apuré, Venezuela. Holotype: SU 36498.

Distribution: Amazon and Orinoco River basins (de Pinna & Wosiacki, 2003).

***Schultzichthys gracilis*** Dahl, 1960

*Schultzichthys gracilis* Dahl, 1960b: 312, figs. 4–5. Type locality: foot of a rapid in Caño Lozada, about 15 km above its junction with the Guayabero River [Río Orinoco system, Colombia]. Holotype: Whereabouts unknown (possibly at ICNMHN).

Distribution: Guayabero River, Orinoco River basin, Colombia (de Pinna & Wosiacki, 2003).

**SCLERONEMA** Eigenmann, 1918

*Scleronema* Eigenmann, 1918c: 691. Type species: *Scleronema operculatum* Eigenmann, 1918. Type by original designation. Gender: Neuter.

***Scleronema angustirostre*** (Devincenzi, 1942)

*Pygidium angustirostris* Devincenzi, in Devincenzi & Teague, 1942: 30, pl. 4 (fig. 3). Type locality: La Cañeda de las Piedras, Uruguay. Holotype: at MHNM (not found).

Distribution: Uruguay (de Pinna & Wosiacki, 2003).

***Scleronema minutum*** (Boulenger, 1891)

*Trichomycterus minutus* Boulenger, 1891: 235, pl. 26 (fig. 3). Type locality: San Lorenzo district [= São Lourenço das Missões], Brazil. Syntypes: BMNH 1891.3.16.84–86 (3).

Distribution: Rio Grande do Sul State, Brazil (de Pinna & Wosiacki, 2003); la Plata basin, Argentina (Casciotta & Almirón, 1996).

***Scleronema operculatum*** Eigenmann, 1918

*Scleronema operculatum* Eigenmann, 1918c: 691. Type locality: Cacequy, Brazil. Holotype: FMNH 58080; holotype illustrated in Eigenmann (1918a: 281, pl. 44, fig. 1).

Distribution: Rio Grande do Sul State, Brazil (de Pinna & Wosiacki, 2003).

**SILVINICHTHYS** Arratia, 1998

*Silvinichthys* Arratia, 1998: 356. Type species: *Trichomycterus mendozensis* Arratia, Chang, Menu-Marque & Rojas, 1978. Type by monotypy. Gender: Masculine.

***Silvinichthys bortayro*** Fernández & de Pinna, 2005

*Silvinichthys bortayro* Fernández & de Pinna, 2005: 101, figs. 1–2. Type locality: Argentina, Provincia de Salta, Departamento Capital, artificial well near Río Arenales at San Luis, 1273 m elevation, 12 m depth, 24°50'S, 65°30'W. Holotype: FML 2590.

Distribution: Artificial wells in Salta Province, Argentina (Fernández & de Pinna, 2005).

***Silvinichthys mendozensis*** (Arratia, Chang, Menu-Marque & Rojas, 1978)

*Trichomycterus mendozensis* Arratia, Chang, Menu-Marque & Rojas, 1978: 170, figs. 8–10. Type locality: freshwater of the preandean range of Mendoza, Argentina ..., where it occupies a restricted environment between 1,500 to 1,700 m above sea level. Holotype: FFSUC IC 118-27.

Distribution: Mendoza River basin, Argentina (de Pinna & Wosiacki, 2003).

**STAUROGLANIS** de Pinna, 1989

*Stauroglanis* de Pinna, 1989a: 6. Type species: *Stauroglanis gouldingi* de Pinna, 1989. Type by original designation. Gender: Masculine.

***Stauroglanis gouldingi*** de Pinna, 1989

*Stauroglanis gouldingi* de Pinna, 1989a: 7, figs. 1–3. Type locality: Cachoeira do Aracu, R. Daraá (R. Negro drainage system), Estado do Amazonas, Brazil. Holotype: MZUSP 31088.

Distribution: Daraá River, Negro River basin, Brazil (de Pinna & Wosiacki, 2003).

**STEGOPHILUS** Reinhardt, 1859

*Stegophilus* Reinhardt, 1859: 5 Type species: *Stegophilus insidiosus* Reinhardt, 1859. Type by monotypy. Gender: Masculine.

***Stegophilus insidiosus*** Reinhardt, 1859

*Stegophilus insidiosus* Reinhardt, 1859: 5, pl. 2. Type locality: Rio das Velhas, Rio São Francisco system, Brazil.

Syntypes: BMNH 1875.5.22.1 (1), ZMUC P 30152 (1), ZMUC P 30153 (1).

Distribution: São Francisco River basin, Brazil (de Pinna & Wosiacki, 2003).

***Stegophilus panzeri*** (Ahl, 1931)

*Henonemus panzeri* Ahl, 1931: 210, fig. 3. Type locality: Rio Capim [Brazil]. Holotype: at ZMB (orig. no. 656).

Distribution: Lower Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

***Stegophilus septentrionalis*** Myers, 1927

*Stegophilus septentrionalis* Myers, 1927: 130. Type locality: Venezuela: Santa Barbara, Orinoco. Holotype: CAS 64597.

Distribution: Orinoco River basin, Venezuela (de Pinna & Wosiacki, 2003).

**STENOLICMUS** de Pinna & Starnes, 1990

*Stenolicmus* de Pinna & Starnes, 1990: 77. Type species: *Stenolicmus sarmientoi* de Pinna & Starnes, 1990. Type by original designation. Gender: Masculine.

***Stenolicmus sarmientoi*** de Pinna & Starnes, 1990

*Stenolicmus sarmientoi* de Pinna & Starnes, 1990: 77, fig. 1–2. Type locality: Río Matos, trib. of Río Apere, 48 km east of San Borja, Ballivia Prov., Depto. Beni, Bolivia, 14°55'S, 66°17'W. Holotype: USNM 301664.

Distribution: Upper Apere River basin, Bolivia (de Pinna & Wosiacki, 2003).

**TRICHOGENES** Britski & Ortega, 1983

*Trichogenes* Britski & Ortega, 1983: 211. Type species: *Trichogenes longipinnis* Britski & Ortega, 1983. Type by original designation. Gender: Masculine.

***Trichogenes longipinnis*** Britski & Ortega, 1983

*Trichogenes longipinnis* Britski & Ortega, 1983: 212, figs. 1–2. Type locality: Cachoeira do Amor, km 3 da estrada Parati-Ubatuba, SP [Brazil] Holotype: MZUSP 16099.

Distribution: Atlantic coastal drainages, northern São Paulo State, Brazil (de Pinna & Wosiacki, 2003).

**TRICHOMYCTERUS** Valenciennes, 1832

*Trichomycterus* Valenciennes, 1832a: 348. Type species: *Trichomycterus nigricans* Valenciennes, 1832. Type by monotypy. Gender: Masculine.

Review: Fernández (1999, Argentina).

***Trichomycterus albinotatus*** Costa, 1992

*Trichomycterus albinotatus* Costa, 1992: 102, figs. 1–2. Type locality: Estado do Rio de Janeiro: Visconde de Maua, 1 km O de la Ville de Maromba, rio Preto, bassin du rio Paraíba [22°30'S 44°15'], Brazil. Holotype: MZUSP 42312.

Distribution: Preto River, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus alternatus*** (Eigenmann, 1918)

*Pygidium alternatum* Eigenmann, 1918c: 700. Type locality: Rio Doce, Brazil. Holotype: FMNH 58082; holotype illustrated in Eigenmann (1918a: 336, pl. 52, fig. 3).

*Pygidium florense* Miranda Ribeiro, 1943: 1, fig. Type locality: rio das Flores, próximo a Ipiabas (estação de Pandiá Calógeras), Estado do Rio de Janeiro [Brazil]. Holotype: MNRJ 3751.

*Pygidium travassosi* Miranda Ribeiro, 1949a: 145, fig. 2. Type locality: Rio das Pedras, Fazenda Penedo, Agulhas Negras, Estado do Rio, Rio de Janeiro, Brazil. Holotype: MNRJ 5424.

Distribution: Atlantic coastal river basins, Rio de Janeiro and Espírito Santo States, Brazil (de Pinna & Wosiacki,

2003), Jequitinhonha River basin, Minas Gerais (Triques & Vono, 2004).

***Trichomycterus alterus*** (Marini, Nichols & La Monte, 1933)

*Pygidium alterum* Marini, Nichols & La Monte, 1933: 2, fig. 2. Type locality: Rio de los Sauces, La Rioja, Argentina. Holotype: AMNH 12241.

Distribution: Humahuaca, Los Sauces River and Valle Guanchin (La Rioja), Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus areolatus*** Valenciennes, 1846

*Trichomycterus areolatus* Valenciennes, in Cuvier & Valenciennes, 1846: 492. Type locality: la rivière de San Jago, Santiago. Syntypes: MNHN 0000-3167 (3), MNHN a-6310 (2).

*Trichomycterus maculatus* Valenciennes, in Cuvier & Valenciennes, 1846: 493. Type locality: Santiago du Chili. Syntypes: MNHN 0000-3166 (1), MNHN 0000-4236 (10).

*Trichomycterus marmoratus* Philippi, 1866: 714. Type locality: Chile. No types known.

*Trichomycterus palleus* Philippi, 1866: 715. Type locality: Chile. No types known.

*Trichomycterus tigrinus* Philippi, 1866: 714. Type locality: Chile. No types known.

Distribution: Pacific draining rivers of Central Chile (de Pinna & Wosiacki, 2003).

***Trichomycterus arleoi*** (Fernández-Yépez, 1972)

*Pygidium arleoi* Fernández-Yépez, 1972a: 21, pl. 34. Type locality: Estación -140 — de la Cuenca del Rio Yaracuy, Venezuela. Holotype: collection of author, whereabouts unknown.

Distribution: Yaracuy River basin, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus auroguttatus*** Costa, 1992

*Trichomycterus auroguttatus* Costa, 1992: 105, fig. 6. Type locality: Rio de Janeiro Estado do Rio de Janeiro: 1 km à l'ouest de la ville de Visconde de Mauá, rio Marimbondo, affluent du rio Preto, bassin du rio Paraíba, Brazil. Holotype: MZUSP 43341.

Distribution: Marimbondo River, Preto River system, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus bahianus*** Costa, 1992

*Trichomycterus bahianus* Costa, 1992: 105, fig. 5. Type locality: Estado da Bahia: Una, 6,5 km au sud-est de la ville de Sao José, dans un ruisseau affluent du ribeirão Caveira, bassin du rio Una, Bahia, Brazil. Holotype: MZUSP 43340.

Distribution: Ribeirão Caveira tributary, Una River basin, State of Bahia, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus banneai*** (Eigenmann, 1912)

*Pygidium banneai* Eigenmann, 1912a: 19. Type locality: Bernal Creek near Honda, Colombia. Holotype: FMNH 56025; holotype illustrated in Eigenmann (1918a: 318, pl. 48, fig. 1).

Distribution: River drainages of Tolima and Cundinamarca, Colombia (Maldonado-Ocampo *et al.*, 2005).

Remarks: Treated as a junior synonym of *Trichomycterus bogotensis* (Eigenmann, 1912), in de Pinna & Wosiacki (2003), who also apparently acted as first reviser, but treated as a valid species in Maldonado-Ocampo *et al.* (2005).

***Trichomycterus barbouri*** (Eigenmann, 1911)

*Pygidium barbouri* Eigenmann, 1911: 214, pl. 32. Type locality: Río Beni, e. Bolivia. Holotype: MCZ 29313.

Distribution: Amazon River basin, Bolivia, and la Plata River basin, Argentina (Fernández, 2000b); Beni River basin, Bolivia (de Pinna & Wosiacki, 2003).

Remarks: Redescribed in Fernández (2000).

***Trichomycterus belensis*** Fernández & Vari, 2002

*Trichomycterus belensis* Fernández & Vari, 2002: 739, fig. 1. Type locality: Argentina, Provincia de Catamarca, Departamento Belén, stream tributary to Laguna Blanca, 11 km northeast from Belén on provincial road 43 along route from Belén to Antogagasta de la Sierra, near Los Nacimientos de San Antonio (approximately 26°30'S, 67°03'W). Holotype: FML 2530.

Distribution: Laguna Blanca basin, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus bogotensis*** (Eigenmann, 1912)

*Pygidium bogotense* Eigenmann, 1912a: 18. Type locality: On the plains of Bogota, at an elevation of nearly nine thousand feet, ..., Chapinero, Colombia. Holotype: FMNH 56030; holotype illustrated in Eigenmann (1918a:

315, pl. 49, fig. 3).

Distribution: Upper Cauca, Calima and San Juan rivers, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus bomboizanus*** (Tortonese, 1942)

*Pygidium bomboizanum* Tortonese, 1942: 113, pl. 1. Type locality: Rio Bomboiza (Ecuador merid.) Ecuador. Holotype: MZUT 3553.

Distribution: Bomboiza River basin, Ecuador (de Pinna & Wosiacki, 2003).

***Trichomycterus borellii*** Boulenger, 1897

*Trichomycterus borellii* Boulenger, 1897c: 3. Type locality: Mission d'Aguaienda, Tala, and Lesser, Argentina. Syntypes: BMNH 1897.1.27.26 (1), ZMUT 1396 (6), ZMUT 1397 (2), ZMUT 13998 (1).

*Pygidium Schmidti* Berg, 1897: 266. Type locality: Río de Belén (Provincia de Catamarca), Argentina. Syntypes: BMNH 1898.9.23.3 (1), MACN 2361 (1), MACN 4595 (1), MACN 5164 (2), MACN 5176 (1).

Distribution: Salta, Catamarca and Mendoza, Argentina; Aguaienda, Bolivia (de Pinna & Wosiacki, 2003).

***Trichomycterus boylei*** Nichols, 1956

*Pygidium boylei* Nichols, 1956: 1, fig. 1. Type locality: dry country at Tilcara, Argentina, elevation 8000 feet, Argentina. Holotype: AMNH 20299.

Distribution: Grande River basin, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus brasiliensis*** Reinhardt, 1874

*Trichomycterus brasiliensis* Reinhardt, in Lütken, 1874c: 29. Type locality: in Rio das Velhas. Syntypes: NMW 85270 (3), SMNS 2021 (1), ZMB 9171 (2), ZMUC P 30154–ZMUC P 30166 (1 each).

*Trichomycterus brasiliensis tristis* Lütken, 1875: 137. Type locality: Rio das Velhas, Minas Gerais, Brazil. Holotype: ZMUC P 30167.

Distribution: Upper São Francisco River, State of Minas Gerais and in smaller adjoining basins in Southeastern Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus caliense*** (Eigenmann, 1912)

*Pygidium caliense* Eigenmann, 1912a: 18. Type locality: Cali, Colombia. Holotype: FMNH 56029.

Distribution: Calima River basin, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus candidus*** (Miranda Ribeiro, 1949)

*Eremophilus candidus* Miranda Ribeiro, 1949b: 2, unnumbered plate. Type locality: pequeno córrego que cai no ribeirão Espírito Santo, afluente do Rio Claro e este do Sapucaí, que deságua no Rio Grande — Município de Conceição Aparecida, Estado de Minas Gerais, Brazil. Holotype: MNRJ 5209.

Distribution: Grande River basin, Minas Gerais State, Brazil (de Pinna & Wosiacki, 2003).

Remarks: Redescribed as *Eremophilus candidus* in Barbosa & Costa (2003a).

***Trichomycterus castroi*** de Pinna, 1992

*Trichomycterus castroi* de Pinna, 1992a: 90, figs. 1–3. Type locality: Branch of the Rio Iguaçú, near the point crossed by Curitiba-Paranaguá Road, State of Paraná, Brazil, ca. 25°26'S, 49°06'W. Holotype: MZUSP 36964.

Distribution: Iguaçú River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus catamarcensis*** Fernández & Vari, 2000

*Trichomycterus catamarcensis* Fernández & Vari, 2000: 990. Type locality: Provincia de Catamarca, Departamento Belén, stream tributary to Laguna Blanca, 11 km northeast from Belén on provincial road 43 along route from Belén to Antofagasta de la Sierra, near Los Nacimientos de San Antonio (approximately 26° 30'S, 67°03'W), elevation 3500m, Argentina. Holotype: FML 2507.

Distribution: Laguna Blanca basin in Catamarca Province, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus caudofasciatus*** Alencar & Costa, 2004

*Trichomycterus caudofasciatus* Alencar & Costa, 2004: 5, fig. 2. Type locality: Brazil: Estado de Minas Gerais: Município de Alto Caparaó, Rio Caparaó, Rio Itabapoana basin, Alto Caparaó, 20°25'53.9"S, 41°51'56.8"W. Holotype: UFRJ 6002.

Distribution: Upper Itabapoana River basin, southeastern Brazil (Alencar & Costa, 2004).

***Trichomycterus celsae*** Lasso & Provenzano, 2003

*Trichomycterus celsae* Lasso & Provenzano, 2003: 1140, fig. 1. Type locality: Venezuela, Estado Bolívar, río Kukenán, cabeceras, valle entre los tepuyes Roraima y Kukenán, Gran Sabana (05°06'30"N, 60°49'48"O). Holo-



type: MHNLS 6453.

Distribution: Kukenán River, Caroní River basin, Venezuela; known only from type locality (Lasso & Provenzano, 2003).

***Trichomycterus chaberti*** Durand, 1968

*Trichomycterus chaberti* Durand, 1968: 344, fig. 3. Type locality: Umayalanta [Cave], Bolivia. Holotype: MNHN 1968-0217.

Distribution: Umayalanta Cave system, Bolivia (de Pinna & Wosiacki, 2003).

***Trichomycterus chapmani*** (Eigenmann, 1912)

*Pygidium chapmani* Eigenmann, 1912a: 18. Type locality: Boquia, Colombia. Holotype: FMNH 56027; holotype illustrated in Eigenmann (1918a: 309, fig. 13; pl. 47, fig. 2).

Distribution: Upper Cauca River basin, and Dagua, Calima and San Juan Rivers, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus chiltoni*** (Eigenmann, 1920)

*Pygidium chiltoni* Eigenmann, 1920c: 54. Type locality: lower course of the Rio Nonguen where it passes through the ground of the Agricultural School, at the outskirts of Concepción, Chile. Lectotype: CAS 57596. Also described as new in Eigenmann (1927: 40, pl. 8, figs. 1, 1a, and pl. 13, figs. 5–6), with lectotype indicated in caption of pl. 8: “Type: 15059 I. U. M., 168 mm.”

Distribution: Western drainages in central Chile (de Pinna & Wosiacki, 2003).

***Trichomycterus chungaraensis*** Arratia, 1983

*Trichomycterus chungaraensis* Arratia, 1983: 67, fig. 2. Type locality: Streams of Vertiente de Mal Paso, Chungará Lake, 4500 m above sea level, North Chile, South America, Chile. Holotype: FFSUC IC 290878A.

Distribution: Streams of Chungará Lake, Chile (de Pinna & Wosiacki, 2003).

***Trichomycterus concolor*** Costa, 1992

*Trichomycterus concolor* Costa, 1992: 107, fig. 9. Type locality: ruisseau 20 km au sud de la ville de Garapuava, bassin du rio São Francisco, Minas Gerais, Brazil. Holotype: MZUSP 43347.

Distribution: Upper São Francisco River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus conradi*** (Eigenmann, 1912)

*Pygidium conradi* Eigenmann, 1912b: 212. Type locality: Amatuk, British Guiana. Holotype: FMNH 53721; holotype illustrated in Eigenmann (1918a: 325; pl. 50, fig. 2).

Distribution: River drainages in Guyana and Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus corduensis*** Weyenbergh, 1877

*Trichomycterus corduensis* Weyenbergh, 1877: 11, pl. 3 (figs. 1–2). Type locality: Rio Primero, y en las acequias de Córdoba, Argentina. Syntype: MSNG 9020 (1).

Distribution: Primeiro River basin, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus davisi*** (Haseman, 1911)

*Pygidium davisi* Haseman, 1911b: 380, pl. 77; fig. 1. Type locality: Serrinha Paraná, Rio Iguazu system, Brazil. Holotype: FMNH 60309; holotype illustrated in Eigenmann (1918a: 334; pl. 51, fig. 5).

Distribution: Iguazu and Ribeira de Iguape River basins, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus diabolus*** Bockmann, Casatti & de Pinna, 2004

*Trichomycterus diabolus* Bockmann, Casatti & de Pinna, 2004: 227, figs. 1–2. Type locality: Brazil: São Paulo: Rio Parapanema basin, município de Teodoro Sampaio, Morro do Diabo State Park, Córão Carlos (22°35'28.0"S, 52°14'38.1"W). Holotype: MZUSP 78860.

Distribution: Parapanema River basin, southeastern Brazil (Bockmann *et al.*, 2004).

***Trichomycterus dispar*** (Tschudi, 1846)

*Pygidium dispar* Tschudi, 1846: 22, pl. 3. Type locality: ... meisten Flüssen der Cordillera; ich habe ein Exemplar ahf einer Höhe von mehr als 14000 Fussü. M. gefangen; aber immer nur auf dem Hochlande zwischen den beiden Gebirgsketten und am Ostabhange der Anden wie an dem der Cordillera, Peru. Syntype: MHNN 767 (1).

Distribution: Peruvian Andes (de Pinna & Wosiacki, 2003).

***Trichomycterus dorsotriatus*** (Eigenmann, 1918)

*Pygidium dorsotriatum* Eigenmann, 1918c: 695. Type locality: Villavicencio, Colombia. Holotype: FMNH 58096;

holotype illustrated in Eigenmann (1918a: 320, pl. 48, fig. 3). Appeared only as *Pygidium dorsotriatum* in Eigenmann (1918c) but as *Pygidium dorsostriatum* in later Eigenmann publications (e. g., Eigenmann, 1918a: 320); *dorsotriatum* regarded as a typographical error in Eschmeyer *et al.* (1998) and de Pinna & Wosiacki (2003), but no corrigendum by Eigenmann has been reported.

Distribution: River drainages in Villavicencio, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus duellmani*** Arratia & Menu-Marque, 1984

*Trichomycterus duellmani* Arratia & Menu-Marque, 1984: 510, figs. 14–15. Type locality: Río Tupiza, 12.5 km SE Tupiza, Bolivia, ... 22°33'S, 65°45'W. Holotype: KU 20191.

Distribution: Tupiza River basin, Bolivia (de Pinna & Wosiacki, 2003).

***Trichomycterus emanueli*** (Schultz, 1944)

*Pygidium emanueli emanueli* Schultz, 1944c: 259, pl. 5 (fig. c). Type locality: Río Chama at Estanques, Estado de Mérida, Venezuela. Holotype: USNM 121223.

Distribution: Chama River basin, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus fassli*** (Steindachner, 1915)

*Pygidium fassli* Steindachner, 1915a: 200. Type locality: Rio Songo im Distrikt Nord-Yungas, Bolivia. Syntypes (4): NMW 44470 (1). Illustrated and described in more detail as *Pygidium fasslii* in Steindachner (1915e: 97, pl. 13, figs. 1–2).

Distribution: Songo River basin, Bolivia (de Pinna & Wosiacki, 2003).

***Trichomycterus gabrieli*** (Myers, 1926)

*Pygidium gabrieli* Myers, 1926: 151. Type locality: São Gabriel rapids, Rio Negro, in rock-pools, Amazon system, Brazil. Syntypes: CAS 64583 (4), SU 36556 (1).

Distribution: Upper Negro River, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus giganteus*** Lima & Costa, 2004

*Trichomycterus giganteus* Lima & Costa, 2004: 1, fig. 1. Type locality: Brazil: Estado do Rio de Janeiro: Município do Rio de Janeiro, Campo Grande, Rio Guandu-Mirim, Rio Guandu basin. Holotype: UFRJ 5999.

Distribution: Upper Guandu River basin, southeastern Brazil (Lima & Costa, 2004).

***Trichomycterus goeldii*** Boulenger, 1896

*Trichomycterus goeldii* Boulenger, 1896b: 154. Type locality: Colonia Alpina, Organ Mts in the Province Rio Janeiro, at an altitude of nearly 2600 feet, Brazil. Syntypes: BMNH 1896.4.4.7–8 (2).

Distribution: Mountain ranges of coastal basins of Rio de Janeiro State, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus gorgona*** Fernández & Schaefer, 2005

*Trichomycterus gorgona* Fernández & Schaefer, 2005: 69, figs. 1–3. Type locality: Colombia, Departamento Cauca, Isla Gorgona, freshwater stream near northeast end of island, 02°59'N, 78°11'30"W. Holotype: ANSP 149946.

Distribution: Gorgona Island, Pacific coast of Colombia (Fernández & Schaefer, 2005).

***Trichomycterus guaraquessaba*** Wosiacki, 2005

*Trichomycterus guaraquessaba* Wosiacki, 2005: 51, fig. 2. Type locality: rio Bracinho, Fazenda Salto Dourado, Município de Guaraqueçaba, Paraná, Brazil. Holotype: MPEG 7916.

Distribution: Bracinho River, Atlantic coastal basin, southern Brazil (Wosiacki, 2005).

***Trichomycterus guianensis*** (Eigenmann, 1909)

*Pygidium guianensis* Eigenmann, 1909a: 11. Type locality: Aruataima Falls, Upper Potaro, British Guiana. Holotype: FMNH 52676; holotype illustrated in Eigenmann (1918a: 325, pl. 50, fig. 1) as *Pygidium guianense*.

Distribution: Rivers of the Guianas and Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus hasemani*** (Eigenmann, 1914)

*Pygidium hasemani* Eigenmann, 1914a: 48. Type locality: Santarem, Pará, Brazil. Holotype: FMNH 56424; holotype illustrated in Eigenmann (1918a: 326, pl. 50, fig. 4).

Distribution: Amazon River basin (de Pinna & Wosiacki, 2003).

***Trichomycterus heterodontus*** (Eigenmann, 1918)

*Pygidium heterodontum* Eigenmann, 1918c: 692. Type locality: Rio Mendoza, Palmira, Argentina, 900 m, Argentina. Holotype: CAS 58139; holotype illustrated in Eigenmann (1918a: 296, pl. 44, fig. 4).

Distribution: Mendoza River basin, Argentina (de Pinna & Wosiacki, 2003).

- Trichomycterus iheringi*** (Eigenmann, 1918)  
*Pygidium iheringi* Eigenmann, 1918c: 697. Type locality: São Paulo in coastal streams and Parana basin, Brazil.  
 Holotype: CAS 64585; holotype illustrated in Eigenmann (1918a: 330, pl. 50, fig. 5) and Wosiacki (2005: 58, fig. 3).  
 Distribution: Ribeira do Iguape River basin, Brazil (de Pinna & Wosiacki, 2003).  
 Remarks: Redescribed in Wosiacki (2005: 56).
- Trichomycterus immaculatus*** (Eigenmann & Eigenmann, 1889)  
*Pygidium immaculatum* Eigenmann & Eigenmann, 1889b: 52. Type locality: Juiz de Fora, Rio Parahybuna, Sao Matheos, Goyaz [Brazil]. Syntypes (14): MCZ 8266 (1), MCZ 8300 (10), MCZ 8302 (1), MCZ 8305 (1), MCZ 8307 (1). Species illustrated in Eigenmann (1918a: 334, pl. 52, fig. 1).  
 Distribution: Paraíbuna River, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).
- Trichomycterus itacambirussu*** Triques & Vono, 2004  
*Trichomycterus itacambirussu* Triques & Vono, 2004: 165, fig. 2. Type locality: Brazil: Minas Gerais: County of Grão Mogol, Rio Jequitinhonha basin: drainage of Rio Itacambiruçu: Córrego do Cambral, 42°45'W 16°33'S.  
 Holotype: MZUSP 58493.  
 Distribution: Jequitinhonha River basin, Minas Gerais, Brazil (Triques & Vono, 2004).
- Trichomycterus itacarambiensis*** Trajano & de Pinna, 1996  
*Trichomycterus itacarambiensis* Trajano & de Pinna, 1996: 86, figs. 1–2. Type locality: Creek inside Olhos d'Água cave, Município de Itacarambi, Minas Gerais, Brazil, 15°06'06"S, 44°09'30"W. Holotype: MZUSP 42469.  
 Distribution: Olhos d'Água Cave in State of Minas Gerais, Brazil (de Pinna & Wosiacki, 2003).
- Trichomycterus itatiayae*** Miranda Ribeiro, 1906  
*Trichomycterus brasiliensis itatiayae* Miranda Ribeiro, 1906: 178, pl. 1 (figs. a–c). Type locality: ... do Itatiaya, ... em afluyente do Parahyba, Rio de Janeiro State, Brazil. Lectotype: MNRJ 792, designated by Caramaschi & Caramaschi (1991: 223).  
 Distribution: Rivers in Itatiaia Mountains, upper reaches of Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).  
 Remarks: Type locality was interpreted by Caramaschi & Caramaschi (1991: 223) as: Ribeirão da Tapera (tributary of the Ribeirão Bonito, Rio Paraíba do Sul drainage), Mont-Serrat, Itatiaia (ca. 22°27'S, 44°50'W, ca. 800 m a.s.l.), Rio de Janeiro State, Brazil.
- Trichomycterus jacupiranga*** Wosiacki & Oyakawa, 2005  
*Trichomycterus jacupiranga* Wosiacki & Oyakawa, 2005: 469, figs. 5–6. Type locality: rio do Queimado, Parque Estadual de Jacupiranga, Cajati [São Paulo, Brazil]. Holotype: MZUSP 67818.  
 Distribution: Queimado River, São Paulo, Brazil (Wosiacki & Oyakawa, 2005).
- Trichomycterus jequitinhonhae*** Triques & Vono, 2004  
*Trichomycterus jequitinhonhae* Triques & Vono, 2004: 167, fig. 3. Type locality: Brazil: Minas Gerais: County of Coronel Murta: Rio Jequitinhonha basin: Córrego Laranjeiras, 42°18'W 16°45'S. Holotype: MZUSP 58497.  
 Distribution: Jequitinhonha River basin, Minas Gerais, Brazil (Triques & Vono, 2004).
- Trichomycterus johnsoni*** (Fowler, 1932)  
*Pygidium johnsoni* Fowler, 1932a: 367, figure on p. 364. Type locality: Descalvados, Matto Grosso, Brazil. Holotype: ANSP 53873.  
 Distribution: Paraná River basin, Mato Grosso, Brazil, and Corrientes, Argentina (de Pinna & Wosiacki, 2003).
- Trichomycterus knerii*** Steindachner, 1882  
*Trichomycterus Knerii* Steindachner, 1882a: 142. Type locality: Canelos [Ecuador]. Syntype: NMW 43328 (1). Species illustrated and described in more detail in Steindachner (1882d: 81, pl. 5, figs. 1, 1a).  
 Distribution: Canelos, Ecuador (de Pinna & Wosiacki, 2003).
- Trichomycterus landinga*** Triques & Vono, 2004  
*Trichomycterus landinga* Triques & Vono, 2004: 162, fig. 1. Type locality: Brazil: Minas Gerais: County of Coronel Murta: Rio Jequitinhonha basin: Córrego Moquém, 42°35'W 16°45'S. Holotype: MZUSP 58496.  
 Distribution: Jequitinhonha River basin, Minas Gerais, Brazil (Triques & Vono, 2004).
- Trichomycterus latidens*** (Eigenmann, 1918)

*Pygidium latidens* Eigenmann, 1918c: 693. Type locality: Small creek near mouth of Rio Calima, Colombia. Holotype: IU 13801 (whereabouts unknown); holotype illustrated in Eigenmann (1918a: 312, pl. 47, fig. 4).

Distribution: Calima River basin, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus latistriatus*** (Eigenmann, 1918)

*Pygidium latistriatum* Eigenmann, 1918c: 696. Type locality: Quebrada de Pinchote, Santander, Colombia. Holotype: FMNH 58449; holotype illustrated in Eigenmann (1918a: 321, pl. 48, fig. 4).

Distribution: Gaira, Cesar and Ariguani rivers, Magdalena River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus laucaensis*** Arratia, 1983

*Trichomycterus laucaensis* Arratia, 1983: 74, fig. 8. Type locality: System of Lauca River, Parinacota, 4,390 m above sea level, northern Chile. Holotype: FFSUC IC 160878A.

Distribution: Lauca River basin, Chile (de Pinna & Wosiacki, 2003).

***Trichomycterus lewi*** Lasso & Provenzano, 2003

*Trichomycterus lewi* Lasso & Provenzano, 2003: 1144, fig. 7. Type locality: Venezuela, Estado Bolívar, río Kukenán, cabeceras, valle entre los tepuyes Roraima y Kukenán, Gran Sabana (05°06'30"N, 60°49'48"O). Holotype: MHNLS 6454.

Distribution: Kukenán River, Caroni River basin, Venezuela; known only from type locality (Lasso & Provenzano, 2003).

***Trichomycterus longibarbatu***s Costa, 1992

*Trichomycterus longibarbatu*s Costa, 1992: 104, fig. 4. Type locality: près de la ville de Santa Tereza, Espirito Santo, Brazil. Holotype: MZUSP 43339.

Distribution: Near Santa Tereza, Espirito Santo State, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus maracaiboensis*** (Schultz, 1944)

*Pygidium banneui maracaiboensis* Schultz, 1944c: 262, pl. 6 (fig. b). Type locality: Río San Juan near bridge, south of Mene Grande, tributary to Río Motatán, Maracaibo basin, Venezuela. Holotype: USNM 121227.

Distribution: San Juan River, tributary to Motatán River, Lake Maracaibo basin, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus mboy***cy Wosiacki & Garavello, 2004

*Trichomycterus mboy*cy Wosiacki & Garavello, 2004: 8, fig. 5. Type locality: Brazil: State of Paraná: município de Foz do Jordão, Jordão reservoir, rio Jordão near at its mouth, tributary of rio Iguazu (rio Paraná Basin), 25°45'S, 52°10'W. Holotype: MPEG 6695.

Distribution: Jordão River, Iguazu River basin, Brazil (Wosiacki & Garavello, 2004).

***Trichomycterus meridae*** Regan, 1903

*Trichomycterus meridae* Regan, 1903b: 624. Type locality: Merida, Venezuela, and from the Rio Albireggas above Merida, altitude 3500 metres, Venezuela. Syntypes: BMNH 1903.4.28.35-38 (4), BMNH 1906.6.30.77-79 (3), USNM 133136 (1).

Distribution: Albirregas River basin, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus migrans*** (Dahl, 1960)

*Pygidium migrans* Dahl, 1960b: 309, fig. 3. Type locality: in front of Camp 1, in the Guayabero River [Orinoco System, Colombia]. Holotype: ICNMHN 399.

Distribution: Guayabero River, Orinoco River basin, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus mimonha*** Costa, 1992

*Trichomycterus mimonha* Costa, 1992: 106, fig. 7. Type locality: 2 km au nord de la ville de Piquete, rio Benfica, bassin du rio Paraíba, Sao Paulo, Brazil. Holotype: MZUSP 43343.

Distribution: Benfica River, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus mirissumba*** Costa, 1992

*Trichomycterus mirissumba* Costa, 1992: 107, fig. 8. Type locality: Visconde de Mauá, 1 km à l'est de la ville de Maromba, rio Preto, près du confluent avec le ruisseau Santa Clara, bassin du rio Paraíba, Rio de Janeiro, Brazil. Holotype: MZUSP 43345.

Distribution: Preto River, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus mondolfi*** (Schultz, 1945)

*Pygidium mondolfi* Schultz, 1945: 29, fig. 1. Type locality: Quebrado Chacaito near Caracas but in Estado de Miranda, Río Tuy system, Venezuela. Holotype: USNM 120377.

Distribution: Tuy River basin, Caribbean Drainage, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus motatanensis*** (Schultz, 1944)

*Pygidium emanueli motatanensis* Schultz, 1944c: 260, pl. 6 (fig. a). Type locality: Río San Juan at the bridge south of Mene Grande, Motatán system, Maracaibo basin Venezuela. Holotype: USNM 121232.

Distribution: San Juan River, Motatán drainage, Lake Maracaibo basin, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus naipi*** Wosiacki & Garavello, 2004

*Trichomycterus naipi* Wosiacki & Garavello, 2004: 2, fig. 2. Type locality: Brazil: State of Paraná: município de Tijucas do Sul, rio São João, tributary of rio da Várzea (Iguaçu Basin), near Lagoinha, 25°55'S, 49°11'W. Holotype: MPEG 6699.

Distribution: da Várzea River, Iguaçu River basin, Brazil (Wosiacki & Garavello, 2004).

***Trichomycterus nigricans*** Valenciennes, 1832

*Trichomycterus nigricans* Valenciennes, 1832a: 348. Type locality: ruisseaux de Sainte-Catherine du Brèsil, Santa Catarina, Brazil. Holotype: apparently MNHN b-0251.

Distribution: Coastal drainages in Santa Catarina State, Brazil (de Pinna & Wosiacki, 2003).

Remarks: Species redescribed by Arratia (1998) with MNHN b-0251 listed as the holotype.

***Trichomycterus nigromaculatus*** Boulenger, 1887

*Trichomycterus nigromaculatus* Boulenger, 1887b: 349. Type locality: Andes of Columbia. Syntypes: BMNH 1880.2.26.16–17 (2).

Distribution: Colombian Andes (de Pinna & Wosiacki, 2003).

***Trichomycterus pantherinus*** Alencar & Costa, 2004

*Trichomycterus pantherinus* Alencar & Costa, 2004: 2, fig. 1. Type locality: Brazil: Estado do Espírito Santo: Município de Sant Leopoldina, below waterfall near Fazenda Sete Quedas, Rio da Prata, Rio Santa Maria da Vitória basin, 20°03'15.9"S, 40°32'20.5"W. Holotype: UFRJ 6001.

Distribution: Santa Maria da Vitória River basin, Southeastern Brazil (Alencar & Costa, 2004).

***Trichomycterus paolencis*** (Eigenmann, 1918)

*Pygidium paolence* Eigenmann, 1918c: 698. Type locality: São Paulo in the Parana basin and (?) in coastal streams. ... Alto da Serra, Rio Tieté, São Paulo. ... Mogy das Cruces, Rio Tieté, São Paulo, Brazil. Holotype: FMNH 58085; holotype illustrated in Eigenmann (1918a: 332, pl. 51, fig. 3).

Distribution: Paraná River basin, São Paulo State, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus papilliferus*** Wosiacki & Garavello, 2004

*Trichomycterus papilliferus* Wosiacki & Garavello, 2004: 5, figs. 3, 4. Type locality: Brazil: State of Paraná: município de Foz do Jordão, Jordão reservoir, rio Jordão near at its mouth, tributary of rio Iguaçu (rio Paraná Basin), 25°45'S, 52°10'W. Holotype: MPEG 6692.

Distribution: Jordão River, Iguaçu River basin, Brazil (Wosiacki & Garavello, 2004).

***Trichomycterus paquequerensis*** (Miranda Ribeiro, 1943)

*Pygidium paquequerense* Miranda Ribeiro, 1943: 2, fig. Type locality: rio Paquequer Grande, Estado do Rio de Janeiro [Brazil]. Holotype: MNRJ 1159.

Distribution: Paquequer River, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus piurae*** (Eigenmann, 1922)

*Pygidium punctulatum piurae* Eigenmann, 1922b: 63. Type locality: Piura, Peru. Holotype: CAS 58119.

Distribution: Piura River basin, Peru (de Pinna & Wosiacki, 2003).

***Trichomycterus plumbeus*** Wosiacki & Garavello, 2004

*Trichomycterus plumbeus* Wosiacki & Garavello, 2004: 13, fig. 8. Type locality: Brazil: State of Paraná: município de Foz do Jordão, Jordão reservoir, rio Jordão near at its mouth, tributary of rio Iguaçu (rio Paraná Basin), 25°45'S, 52°10'W. Holotype: MPEG 6689.

Distribution: Jordão River, Iguaçu River basin, Brazil (Wosiacki & Garavello, 2004).

***Trichomycterus potschi*** Barbosa & Costa, 2003

*Trichomycterus potschi* Barbosa & Costa, 2003b: 282, fig. 1. Type locality: Brazil: Estado do Rio de Janeiro: rio das Cachoeiras, serra do Matutu, Município de Mangaratiba. Holotype: MCP 29061.

Distribution: Coastal river basins between Mangaratiba and Itaguaí, Rio de Janeiro State, Brazil (Barbosa & Costa, 2003b).

***Trichomycterus pradensis*** Sarmiento-Soares, Martins-Pinheiro, Aranda & Chamon, 2005

*Trichomycterus pradensis* Sarmiento-Soares, Martins-Pinheiro, Aranda & Chamon, 2005: 291, fig. 1. Type locality: Brazil: Bahia: Jucuruçu, rio Jucuruçu, 2 km before the city of Jucuruçu on road Itamaraju-Jucuruçu, middle of rio Jucuruçu basin, 16°50'10"S 40°08'40"W. Holotype: MNRJ 28483.

Distribution: Jucuruçu River, a coastal river basin of SE Brazil (Sarmiento-Soares *et al.*, 2005).

***Trichomycterus pseudosilvinichthys*** Fernández & Vari, 2004

*Trichomycterus pseudosilvinichthys* Fernández & Vari, 2004: 876, figs. 1–2. Type locality: Argentina, Provincia de La Rioja, Departamento Chilecito, Río Amarillo at Famatina, a small assemblage of houses near Fundición de Oro Santa Florentina (28°55'S, 67°31'W), on east slope of Sierra de Famatina. Holotype: FML 2588.

Distribution: La Rioja province, Argentina (Fernández & Vari, 2004).

***Trichomycterus punctatissimus*** Castelnau, 1855

*Trichomycterus punctatissimus* Castelnau, 1855: 49, pl. 24 (fig. 3). Type locality: De l'Araguay. Holotype: MNHN b-0610.

Distribution: Araguaia River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus punctulatus*** Valenciennes, 1846

*Trichomycterus punctulatus* Valenciennes, in Cuvier & Valenciennes, 1846: 488, pl. 552. Type locality: la rivière de Lima, Peru. Syntypes: MNHN 0000-3168 (5).

Distribution: Western Peru (de Pinna & Wosiacki, 2003).

***Trichomycterus ramosus*** Fernández, 2000

*Trichomycterus ramosus* Fernández, 2000a: 350, fig. 1. Type locality: Catamarca: Departamento Belém: Laguna Blanca, 3680 m elevation, approximately 26°30'S, 67°03'W, Argentina. Holotype: FML 2070.

Distribution: Laguna Blanca basin, Catamarca Province, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus regani*** (Eigenmann, 1918)

*Pygidium regani* Eigenmann, 1918c: 696. Type locality: Tado, Rio San Juan, Colombia. Holotype: CAS 64591; holotype illustrated in Eigenmann (1918a: 323, pl. 48, fig. 5).

Distribution: San Juan River basin, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus reinhardti*** (Eigenmann, 1918)

*Pygidium reinhardti* Eigenmann, 1918c: 699. Type locality: Burmier on the Rio Itabira, a tributary of the Rio das Velhas, Brazil. Holotype: FMNH 58081; holotype illustrated in Eigenmann (1918a: 333, pl. 51, fig. 4).

Distribution: Upper São Francisco River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus retropinnis*** Regan, 1903

*Trichomycterus retropinnis* Regan, 1903b: 624. Type locality: St. Augustin, Andes of Colombia, elev. 5000 feet. Syntypes (2): BMNH 1899.8.21.12–13 (2).

Distribution: Upper Magdalena River basin, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus riojanus*** (Berg, 1897)

*Pygidium riojanum* Berg, 1897: 269. Type locality: un arroyo de la Cordillera de La Rioja, Argentina. Holotype: MACN 5175 (destroyed, Fernández & Schaefer, 2003: 357).

Distribution: La Rioja Range, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus rivulatus*** Valenciennes, 1846

*Trichomycterus rivulatus* Valenciennes, in Cuvier & Valenciennes, 1846: 495. Type locality: ruisseaux qui se jettent dans le lac de Titicaca, vaste mer alpine, peuplée par les Orestias sans ventrales, ou dans les affluents de l'Apurimac, l'une des sources de l'Amazone ... du Guasacona, Peru. Syntype: MNHN b-0586 (1).

*Trichomycterus barbatula* Valenciennes, in Cuvier & Valenciennes, 1846: 498. Type locality: Guasacona et du Rio de Pontezualo près coroico, par une hauteur de terize à quatorze milles pieds et à una latitude de seize à dix-sept degrés nord. Syntypes: MNHN 0000-4077 (1), MNHN 0000-4078 (5) and MNHN b-0587 (3).

*Trichomycterus gracilis* Valenciennes, in Cuvier & Valenciennes, 1846: 497. Type locality: Rio de Azangaro près de

Guasacona, dans le Rio de Pontezualo près de Coroico, et enfin dans le lac de la Compucila dans les Andes, à l'ouest de Cuzco, par la hautes de quatorze mille pieds, Peru. Syntypes: MNHN 0000-3129 (2), MNHN 0000-4063 (2), MNHN a-9766 (6), MNHN b-0588 (2).

*Trichomycterus incae* Valenciennes, in Cuvier & Valenciennes, 1846: 496. Type locality: Rio Guatanai à Cuzco, Peru. Syntype: MNHN a-8986 (1).

*Trichomycterus pentlandi* Castelnau, 1855: 49, pl. 24 (fig. 1). Type locality: lac situé près de la mission de Sarayacu, qui communiqué avec la riviér d'Ucayale, Peru. Holotype: MNHN b-0608.

*Trichomycterus pictus* Castelnau, 1855: 50, pl. 24 (fig. 2). Type locality: grand lac de Titicaca. Syntypes: MNHN b-0609 (3).

*Trichomycterus pardus* Cope, 1874b: 132. Type locality: Upper Amazon. Possible holotype: ANSP 22004.

*Trichomycterus poeyanus* Cope, 1877: 47. Type locality: Arequipa, Peru. Syntypes: ANSP 21382-83 (2).

*Pygidium oroyae* Eigenmann & Eigenmann, 1889b: 51. Type locality: Pochachara, Oroya River [Brazil]. Syntypes (8): MCZ 3955 (8).

*Trichomycterus eigenmanni* Boulenger, 1898c: 8. Type locality: Cumbaca [Brazil]. Holotype: MCZ 8301.

*Pygidium quechuorum* Steindachner, 1900: 207. Type locality: Arequipa, Río Chile, Südperu. Syntypes (5): at NMW.

*Pygidium tiraquae* Fowler, 1940c: 92, fig. 52. Type locality: Tiraque, Cochabamba Department, Bolivia. Holotype: ANSP 69126.

*Pygidium atochae* Allen, in Eigenmann & Allen, 1942: 156, pl. 13 (figs. 3–5). Type locality: Rio de Atocha, Atocha, Bolivia. Holotype: CAS 64576.

Distribution: High-altitude lakes and streams in the central Andean range (including Lakes Titicaca and Poopó), from Lake Junin in the north to Chilean region of Tarapacá in the south, spanning Western Bolivia, Peru and Northern Chile (de Pinna & Wosiacki, 2003).

***Trichomycterus roigi*** Arratia & Menu-Marque, 1984

*Trichomycterus roigi* Arratia & Menu-Marque, 1984: 494, figs. 1–10. Type locality: Río Pastos Chicos, Jujuy, north of Argentina; 23°24'S —66°35'W. Holotype: MLP 29-8-83-1.

Distribution: Pastos Chicos River basin, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus romeroi*** (Fowler, 1941)

*Pygidium romeroi* Fowler, 1941c: 4, figs. 6–8. Type locality: Honda, Colombia. Holotype: ANSP 69331.

Distribution: Honda River basin, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus santaeritae*** (Eigenmann, 1918)

*Pygidium santae-ritae* Eigenmann, 1918a: 341, pl. 52 (fig. 5). Type locality: Santa Rita, Rio Preto, Brazil. Holotype: FMNH 58577.

Distribution: Preto River, Paraíba do Sul River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus spgazzinii*** (Berg, 1897)

*Pygidium Spgazzinii* Berg, 1897: 267. Type locality: Río de Cachi (Provincia de Salta), ..., á una altura de 2500 á 2800 metros sobre el nivel del mar, Argentina. Syntypes: BMNH 1898.9.23.1–2 (2), MACN 4925 (19), MACN 5173 (2), SMF 831 (1).

Distribution: Provinces of Salta and Catamarca in Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus spelaeus*** Do Nascimento, Villarreal & Provenzano, 2001

*Trichomycterus spelaeus* Do Nascimento, Villarreal & Provenzano, 2001: 21, fig. 1. Type locality: Cueva Punto Fijo, en el caserío Punto Fijo a 7,5 km al N. del Cerro Yolanda. 590 m.s.n.m., cuenca del Río Guasare, Edo. Zulia, Venezuela (10°57'10"N 72°28'06"O). Holotype: MBUCV V-29602.

Distribution: Punto Fijo Cave, upper Guasare River basin, Venezuela (de Pinna & Wosiacki, 2003).

***Trichomycterus spilosoma*** (Regan, 1913)

*Pygidium spilosoma* Regan, 1913d: 468. Type locality: Rio Sipi and Rio Tamana, Colombia. Syntypes (3, 130–250 mm TL): BMNH 1910.7.11.106–107 (2), BMNH 1910.7.11.108 (1, skeleton), BMNH 1910.7.11.15 (1).

Distribution: Sipi and Tamana River basins, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus stawiarski*** (Miranda Ribeiro, 1968)

*Pygidium stawiarski* Miranda Ribeiro, 1968: 1. Type locality: Pequeno córrego pertencente á bacia do Rio Paraná —

localidade de Bituruna —Est. do Paraná, Paraná, Brazil. Holotype: MNRJ 9739.

Distribution: Iguaçu River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus stellatus*** (Eigenmann, 1918)

*Pygidium stellatum* Eigenmann, 1918a: 308, pl. 47 (fig. 1). Type locality: Quebrada Sarjento, Colombia. Holotype: FMNH 58101.

Distribution: Rivers of Andean eastern cordillera, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus straminus*** (Eigenmann, 1918)

*Pygidium straminium* Eigenmann, 1918c: 694. Type locality: Quebrada del Mango, Santander, Colombia. Holotype: FMNH 58105; holotype illustrated in Eigenmann (1918a: 313, pl. 49, fig. 1) as *Pygidium stramineum*.

Distribution: Andean streams of Cundinamarca and Santander, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus striatus*** (Meek & Hildebrand, 1913)

*Pygidium striatum* Meek & Hildebrand, 1913: 78. Type locality: Río Cana at Cana, Panama. Holotype: FMNH 7579.

*Pygidium septentrionale* Behre, 1928: 309, pl. 18. Type locality: small streams tributary to Rio Chiriqui del Tire above Caldera, Pacific slope of Panama, altitude about 4,000 feet ... Quebrada Salão, Panama, ca. elev. 4000 ft. Holotype: FMNH 59522.

Distribution: Rivers of Panama and Costa Rica (de Pinna & Wosiacki, 2003); Catatumbo, Magdalena, Cauca and Dagua rivers, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus taczanowskii*** Steindachner, 1882

*Trichomycterus Taczanowskii* Steindachner, 1882b: 177. Type locality: Rio Huambo, Rio de Tortora [Peru]. Syntype: NMW 43387 (1). Species illustrated and described in more detail in Steindachner (1882c: 22, pl. 4, figs. 1, 1a, 1b).

Distribution: Peru (de Pinna & Wosiacki, 2003).

***Trichomycterus taenia*** Kner, 1863

*Trichomycterus taenia* Kner, 1863: 228, fig. 16. Type locality: Vom Westabhange der Andes im Staate Ecuador, Ecuador. Holotype: at NMW. Also appeared in Kner & Steindachner (1864: 52, pl. 6, fig. 1).

Distribution: Ecuadorian Andes (de Pinna & Wosiacki, 2003); Magdalena and Patia River basins, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus taeniops*** Fowler, 1954

*Pygidium tenue* Fowler, 1945c: 6, figs. 7–9. Type locality: Acobamba, near Tarma at 2000 meters elevation, Rio Ucayali basin, Peru. Holotype: ANSP 71638. Preoccupied in *Trichomycterus* by *Trichomycterus tenuis* Weyenbergh, 1877; replaced by *Trichomycterus taeniops* Fowler, 1954.

*Trichomycterus taeniops* Fowler, 1954: 36, fig. 635. Type locality: Acobamba, near Tarma, at 2000 meters elevation, Rio Ucayali basin, Peru, elev. 2000 m, Peru. Replacement for *Pygidium tenue* Fowler, 1945; preoccupied in *Trichomycterus* by *Trichomycterus tenuis* Weyenburgh, 1877.

Distribution: Ucayali River basin (elevation 2000 m), Peru (de Pinna & Wosiacki, 2003).

***Trichomycterus taroba*** Wosiacki & Garavello, 2004

*Trichomycterus taroba* Wosiacki & Garavello, 2004: 10, fig. 6. Type locality: Brazil: State of Paraná: município de Foz do Jordão, Jordão reservoir, rio Jordão near at its mouth, tributary of rio Iguaçu (rio Paraná Basin), 25°45'S, 52°10'W. Holotype: MPEG 6689.

Distribution: Jordão River, Iguaçu River basin, Brazil (Wosiacki & Garavello, 2004).

***Trichomycterus tenuis*** Weyenbergh, 1877

*Trichomycterus tenuis* Weyenbergh, 1877: 12, pl. 3 (figs. a–c). Type locality: una pequeña laguna, en la Sierra de Córdoba, cerca de la Villa Cruz-del-eje, Argentina. Syntypes: MSNG 8852 (2).

Distribution: Córdoba Sierra, Argentina (de Pinna & Wosiacki, 2003).

***Trichomycterus transandianus*** (Steindachner, 1915)

*Pygidium taenia transandianum* Steindachner, 1915e: 100, pl. 12 (fig. 6). Type locality: Gebirgsbach im Cañon del Gallo, einem rechten Seitentale des Rio Combeima in der Zentral-Cordillere, Columbien, in einer Höhe von 1800 m. Syntypes (2): NMW 44475. Originally as *Pygidium taenia* Var. nova *transandianum*.

Distribution: Combeima River basin, central Andean cordillera, Colombia (de Pinna & Wosiacki, 2003).



***Trichomycterus trefauti*** Wosiacki, 2004

*Trichomycterus trefauti* Wosiacki, 2004: 3, fig. 2. Type locality: riacho Andrequicé, tributary of rio Paraúna, itself a tributary of rio das Velhas (rio São Francisco basin), approximately 18°30'S, 43°30'W, Município de Trinta Réis, Minas Gerais, Brazil. Holotype: MZUSP 79911.

Distribution: Upper São Francisco River basin, Brazil (Wosiacki, 2004).

***Trichomycterus triguttatus*** (Eigenmann, 1918)

*Pygidium triguttatum* Eigenmann, 1918a: 339, pl. 52 (fig. 4). Type locality: Jacarehy, São Paulo, Brazil. Holotype: FMNH 58670.

Distribution: São Paulo State, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus tupinamba*** Wosiacki & Oyakawa, 2005

*Trichomycterus tupinamba* Wosiacki & Oyakawa, 2005: 466, figs. 2–4. Type locality: Brazil, São Paulo: rio Betari, tributary of rio Ribeira de Iguape, in front of the camping area of Núcleo Santana, Parque Estadual Turístico do Alto Ribeira. Holotype: MZUSP 62382.

Distribution: Betari and Iporanga rivers, Ribeira de Iguape River basin, Brazil (Wosiacki & Oyakawa, 2005).

***Trichomycterus unicolor*** (Regan, 1913)

*Pygidium unicolor* Regan, 1913d: 468. Type locality: Condoto, Colombia. Syntypes: BMNH 1913.10.1.42–43 (2).

Distribution: San Juan River basin, Colombia (de Pinna & Wosiacki, 2003).

***Trichomycterus variegatus*** Costa, 1992

*Trichomycterus variegatus* Costa, 1992: 103, fig. 3. Type locality: Estado de Minas Gerais: ville de São Roque de Minas, rio do Peixe, affluent du haut rio Sao Francisco [Brazil]. Holotype: MZUSP 42316.

Distribution: Upper São Francisco River basin, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus venulosus*** (Steindachner, 1915)

*Pygidium venulosum* Steindachner, 1915a: 199. Type locality: Paramo de Cruz verde, östliche Cordillere, Columbien, in 3000 m. Syntypes: NMW 44476 (2). Species illustrated and described in more detail in Steindachner (1915e: 85, pl. 121, figs. 3–4).

Distribution: Streams of eastern Andean cordillera, Colombia (Maldonado-Ocampo *et al.*, 2005).

***Trichomycterus vermiculatus*** (Eigenmann, 1918)

*Pygidium vermiculatum* Eigenmann, 1918c: 699. Type locality: Juiz de Fora, Rio Parahyba, Brazil. Holotype: FMNH 58077; holotype illustrated in Eigenmann (1918a: 335, pl. 52, fig. 2).

Distribution: Paraíba do Sul River, State of Minas Gerais, Brazil (de Pinna & Wosiacki, 2003).

***Trichomycterus vittatus*** Regan, 1903

*Trichomycterus vittatus* Regan, 1903b: 623. Type locality: Marcapata Valley, E. Peru. Holotype: BMNH 1902.5.29.210.

Distribution: Eastern Peru (de Pinna & Wosiacki, 2003).

***Trichomycterus weyrauchi*** (Fowler, 1945)

*Pygidium weyrauchi* Fowler, 1945c: 7, figs. 10–12. Type locality: Acobamba, near Tarma, at 2200 meters elevation, Rio Ucayali drainage, Peru. Holotype: ANSP 71639.

Distribution: Ucayali River basin (elev. 2900 m), Peru (de Pinna & Wosiacki, 2003).

***Trichomycterus yuska*** Fernández & Schaefer, 2003

*Trichomycterus yuska* Fernández & Schaefer, 2003: 355, figs. 1–2. Type locality: Argentina: Provincia de Catamarca, Departamento Tinogasta, Arroyo Aguas Calientes, 4050 m elevation. Holotype: FML 2535.

Distribution: Known only from the type locality, a high elevation stream in western Argentina (Fernández & Schaefer, 2003).

***Trichomycterus zonatus*** (Eigenmann, 1918)

*Pygidium zonatum* Eigenmann, 1918a: 330, pl. 51 (fig. 1). Type locality: Agua Quente, São Paulo, Brazil. Holotype: FMNH 58573.

*Trichomycterus cubataonis* Bizerril, 1994: 618, figs. 1–3. Type locality: Rio Cubatão, Joinville, Estado de Santa Catarina [Brazil]. Holotype: MNRJ 12490.

Distribution: Coastal rivers from Santa Catarina to São Paulo States, Brazil (de Pinna & Wosiacki, 2003).

**TRIDENS** Eigenmann & Eigenmann, 1889

*Tridens* Eigenmann & Eigenmann, 1889b: 53. Type species: *Tridens melanops* Eigenmann & Eigenmann, 1889. Type by original designation. Gender: Masculine.

***Tridens melanops*** Eigenmann & Eigenmann, 1889

*Tridens melanops* Eigenmann & Eigenmann, 1889b: 53. Type locality: Iça [Brazil]. Syntypes (27): CAS 64598 (1), BMNH 1889.11.14.73 (1), MCZ 8137 (1), MCZ 1566385 (6), MCZ 156639 (2, c&s), MZUSP uncat [ex. MCZ 156638] (1), USNM 41522 (1), USNM 120296 (3).

Distribution: Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

**TRIDENSIMILIS** Schultz, 1944

*Tridensimilis* Schultz, 1944c: 266. Type species: *Tridensimilis venezuelae* Schultz, 1944. Type by original designation. Gender: Masculine.

***Tridensimilis brevis*** (Eigenmann & Eigenmann, 1889)

*Tridens brevis* Eigenmann & Eigenmann, 1889b: 54. Type locality: Tabatinga [Brazil]. Holotype: MCZ 8160.

Distribution: Amazon River basin, Brazil (de Pinna & Wosiacki, 2003).

***Tridensimilis venezuelae*** Schultz, 1944

*Tridensimilis venezuelae* Schultz, 1944c: 267, pl. 6 (fig. c). Type locality: Río Negro, below the mouth of the Río Yasa, Maracaibo basin, Venezuela. Holotype: USNM 121290.

Distribution: Orinoco River basin, Venezuela (de Pinna & Wosiacki, 2003).

**TRIDENTOPSIS** Myers, 1925

*Tridentopsis* Myers, 1925b: 84. Type species: *Tridentopsis pearsoni* Myers, 1925. Type by original designation. Gender: Feminine.

***Tridentopsis cahuali*** Azpelicueta, 1990

*Tridentopsis cahuali* Azpelicueta, 1990: 982, figs. 1–4. Type locality: Estancia El Bagual, Formosa Province, Argentina, 26°10'53"S, 58°56'39"W. Holotype: MLP 5-IX-89-1.

Distribution: Paraguay River basin, Argentina (de Pinna & Wosiacki, 2003).

***Tridentopsis pearsoni*** Myers, 1925

*Tridentopsis pearsoni* Myers, 1925b: 84. Type locality: Lagoons at Lake Rogoagua, Bolivia. Holotype: CAS 28258. Distribution: Upper Amazon River basin, Bolivia (de Pinna & Wosiacki, 2003).

***Tridentopsis tocantinsi*** La Monte, 1939

*Tridentopsis tocantinsi* La Monte, 1939: 1. Type locality: Rio Tocantins, northeastern Brazil. Holotype: AMNH 13967.

Distribution: Tocantins River basin, Brazil (de Pinna & Wosiacki, 2003).

**TYPHLOBELUS** Myers, 1944

*Typhlobelus* Myers, 1944: 593. Type species: *Typhlobelus ternetzi* Myers, 1944. Type by original designation. Gender: Masculine.

Key: Schaefer *et al.* (2005).

***Typhlobelus guacamaya*** Schaefer, Provenzano, de Pinna & Baskin, 2005

*Typhlobelus guacamaya* Schaefer, Provenzano, de Pinna & Baskin, 2005: 14, figs. 7, 8. Type locality: Venezuela, Estado Amazonas, Río Cuao at Raudal Guacamaya, 8.1 miles upstream from Raudal El Danto, 05°07.71'N, 67°31.53'W. Holotype: MBUCV V-30936.

Distribution: Cuao River, Orinoco River basin, Venezuela (Schaefer *et al.*, 2005).

***Typhlobelus lundbergi*** Schaefer, Provenzano, de Pinna & Baskin, 2005

*Typhlobelus lundbergi* Schaefer, Provenzano, de Pinna & Baskin, 2005: 10, figs. 5, 6. Type locality: Venezuela, Estado Delta Amacuro, Río Orinoco at Los Castillos, upstream of east end of Caño Limon, 8°31.2'N, 62°35.1'W. Holotype: MBUCV V-31040.

Distribution: Lower Orinoco River, between Ciudad Bolivar and Los Castillos, Venezuela (Schaefer *et al.*, 2005).

***Typhlobelus macromycterus*** Costa & Bockmann, 1994

*Typhlobelus macromycterus* Costa & Bockmann, 1994b: 68, figs. 1–3. Type locality: Brazil: Estado do Pará, Rio Tocantins near Tucuruí. Holotype: MNRJ 12129.

Distribution: Tocantins River near Tucuruí, Pará State, Brazil (de Pinna & Wosiacki, 2003).

***Typhlobelus ternetzi* Myers, 1944**

*Typhlobelus ternetzi* Myers, 1944: 593, pl. 52 (fig. 2), pl. 53 (figs. 6–8). Type locality: Rock pools below São Gabriel Rapids, Rio Negro, Brazil. Holotype: CAS 11118.

Distribution: Upper Negro River basin, Brazil (de Pinna & Wosiacki, 2003).

**VANDELLIA Valenciennes, 1846**

*Vandellia* Valenciennes, in Cuvier & Valenciennes, 1846: 386. Type species: *Vandellia cirrhosa* Valenciennes, 1846. Type by monotypy. Gender: Feminine.

*Urinophilus* Eigenmann, 1918a: 358. Type species: *Vandellia sanguinea* Eigenmann, 1918. Type by subsequent designation by Eigenmann (1920d: 441). Gender: Masculine. Originally proposed without any included species; species first assigned, and a type species designated, in Eigenmann (1920d).

***Vandellia beccarii* Di Caporiacco, 1935**

*Vandellia beccarii* Di Caporiacco, 1935: 59. Type locality: Rockstone, in flumine Essequibo dicto, in Guiana Britannica. Holotype: MZUF 5506.

Distribution: Orinoco River basin and rivers of Guyana (de Pinna & Wosiacki, 2003).

Remarks: Redescribed in Schmidt (1987).

***Vandellia cirrhosa* Valenciennes, 1846**

*Vandellia cirrhosa* Valenciennes, in Cuvier & Valenciennes, 1846: 386, pl. 547. Type locality: [Probably from America]. Syntypes (2): MNHN a-6308.

*Vandellia gigantea* Cornalia, 1849: 15, figs. 4–5. Type locality: [Fl. Amazonum et Napo]. Type(s): lost (Cagnolaro & Violani, 1988).

*Vandellia plazaii* Castelnau, 1855: 51, pl. 28 (fig. 1). Type locality: rio Ucayale (Pérou). Holotype: MNHN a-6309.

*Vandellia Balzanii* Perugia, 1897: 23. Type locality: Rio Beni, Missioni Mosetenes, Bolivia. Holotype: MSNG 8848.

*Urinophilus erythrurus* Eigenmann, 1922b: 114, pls. 3 (figs. 5–7), 4 (10–16). Type locality: Río Morona, Peru. Holotype: CAS 64599.

Distribution: Amazon River basin (de Pinna & Wosiacki, 2003).

Remarks: *Vandellia gigantea* Cornalia, 1849, was treated as a *nomen oblitum* by Cagnolaro & Violani (1988), but considered to be available, albeit a junior synonym, in de Pinna & Wosiacki (2003).

***Vandellia sanguinea* Eigenmann, 1918**

*Vandellia sanguinea* Eigenmann, 1918c: 701. Type locality: San Antonio de Rio Madeira. Holotype: FMNH 58086; holotype illustrated in Eigenmann (1918a: 365, pl. 53, fig. 2).

Distribution: Amazon, Orinoco and Essequibo River basins (de Pinna & Wosiacki, 2003).

**Genus *inquirendum*, Trichomycteridae**

*Pygidium* Meyen, 1835, in Meyen, 1834–35: 475. Type species: *Pygidium fuscum* Meyen, 1835. Type by monotypy. Gender: Neuter. Familial assignment of this genus is uncertain (cf. Tchernavin, 1944).

Remarks: The family group name Pygidiidae was proposed in Eigenmann & Eigenmann (1888a: 649) on *Pygidium* Meyen, 1835.

**Species *inquirenda*, Trichomycteridae**

*Pygidium fuscum* Meyen, 1835, in Meyen, 1834–35: 369. Type locality: Peru. Holotype: Whereabouts unknown. Familial assignment of this species is uncertain (see Tchernavin, 1944).

**UNPLACED NAMES**

**SILURIFORMES *Incertae sedis***

† **BACHMANNIA** Dolgopol de Saez, 1945

† *Bachmannia* Dolgopol de Saez, 1945: 453. Type species: † *Bachmannia chabutensis* Dolgopol de Saez, 1945. Type by Monotypy. Gender: Feminine.

† ***Bachmannia chabutensis*** Dolgopol de Saez, 1945

† *Bachmannia chabutensis* Dolgopol de Saez, 1945: 453, figure on p. 453. Type locality: de la laguna del Hunco y del Mirador de Chubut [Argentina]; Tertiary. Holotype: MLP 40-V-17-1a (impression).

† *Arius argentinus* Dolgopol de Saez, 1945: 455, figure on p. 455. Type locality: La Laguna del Huncho y del Niradorde, Chabut, Argentina; Tertiary. Holotype: MLP 40-V-17-3 (impression of cranium and partial vertebral column).

Distribution: Miocene of Argentina (Gayet & Meunier, 2003).

Remarks: Synonymy from Gayet & Meunier (2003), which appears to be based on Arratia & Cione (1996).

**CONORHYNCHOS** Bleeker, 1858

*Conostome* Duméril, 1856: 484. Type species: *Pimelodus conirostris* Cuvier, 1836. Type by original designation. Gender: Feminine. Possibly preoccupied by *Conostoma* Hodgson, 1842, in birds and not treated as valid in recent times. Considered a *nomen oblitum*.

*Conorhynchos* Bleeker, 1858: 191, 205, 209. Type species: *Pimelodus conirostris* Cuvier, 1836. Type by monotypy. Gender: Neuter. New name for *Conostome* Duméril, which is apparently preoccupied by *Conostoma* Hodgson, 1842, in birds. Name often misspelled *Conorhynchus* following the spelling in Bleeker (1862-63).

*Conorhynchus* Bleeker, 1863 (in Bleeker, 1862-63): 12. Type species: *Pimelodus conirostris* Cuvier, 1836. Type by original designation. New spelling for *Conorhynchos*. Preoccupied by *Conorhynchus* Motschousky, 1860, in Coleoptera.

*Conorhynchichthys* Regan, 1908, in Regan, 1906-08: 192. Type species: *Pimelodus conirostris* Cuvier, 1836. Type by being a replacement name. Gender: Masculine. Replacement for *Conorhynchus* Bleeker, 1863 [= *Conorhynchos* Bleeker, 1858], preoccupied by *Conorhynchus* Motschousky, 1860.

Remarks: Initially included in the Pimelodidae, but that placement questioned in Reis *et al.* (2003).

***Conorhynchus conirostris*** (Cuvier, 1836)

*Pimelodus conirostris* Cuvier, 1836: 541, footnote 12. Type locality: rivière de Saint-François. Holotype: MNHN a-9413. Described and illustrated in Cuvier & Valenciennes (1840b: 204 (156 in Strasbourg deluxe edition), pl. 436).

*Conorhynchus glaber* Steindachner, 1877b: 637, pl. 8. Type locality: einem flusse bei Porto Seguro [apparently in error]. Holotype: at NMW.

Distribution: São Francisco River basin, Brazil.

† **EOPEYERIA** Whitley, 1947

† *Ariopsis* Peyer, 1928: 43. Type species: † *Ariopsis aegyptiacus* Peyer, 1928. Type by monotypy. Gender: Feminine. Preoccupied by *Ariopsis* Gill, 1861, in Recent fishes. Replaced by † *Peyeria* Whitley, 1940.

† *Peyeria* Whitley, 1940a: 242. Type species: † *Ariopsis aegyptiacus* Peyer, 1928. Type by being a replacement name. Gender: Feminine. Replacement for † *Ariopsis* Peyer, 1928, preoccupied by *Ariopsis* Gill, 1861, in Recent fishes. But, † *Peyeria* Whitley preoccupied by † *Peyeria* Weiler, 1935, in fossil Chondrichthyes.

† *Eopeyeria* Whitley, 1947: 150. Type species: † *Ariopsis aegyptiacus* Peyer, 1928. Type by being a replacement name. Gender: Feminine. Replacement for † *Peyeria* Whitley, 1940, preoccupied by † *Peyeria* Weiler, 1935, in fossil Chondrichthyes.

† ***Eopeyeria aegyptiaca*** (Peyer, 1928)

† *Ariopsis aegyptiacus* Peyer, 1928: 43, pl. 5, pl. 6 (fig. 1). Type locality: Qasr-es-Sagha-Stufe, Norden des Fajum. Ägyptens; Eocene. Holotype: at Bayerische Staatssammlung, München.

Distribution: Fajum, Egypt; Eocene.

† **FAJUMIA** Stromer, 1904

† *Fajumia* Stromer, 1904: 3. Type species: † *Fajumia schweinfurthi* Stromer, 1904. Type by monotypy. Gender:

Feminine.

Remarks: Placed by Jordan (1923) into the Bagridae, but placed in the Ariidae by Peyer (1928). Gayet & Meunier (2003) place this genus as Siluriformes *incertae sedis*, possibly belonging within the Arioida.

† ***Fajumia menoni*** Sahni & Mishra, 1975

† *Fajumia menoni* Sahni & Mishra, 1975: 7, pl. 1 (figs. 3 a–c). Type locality: Bluish-grey stage (Middle Eocene) at Gabhatad, Western India; Middle-Eocene. Holotype: LUVF 11140 (cranium).

Distribution: Western India, middle Eocene (Sahni & Mishra, 1975).

Remarks: Placed in the Bagridae by Sahni & Mishra (1975), following placement of genus in that family by Jordan (1923).

† ***Fajumia misrai*** Sahni & Mishra, 1975

† *Fajumia misrai* Sahni & Mishra, 1975: 8, pl. 1 (figs. 4–5). Type locality: Bluish-grey shales of Babia Stage (Middle Eocene) at Nareda, Western India. Holotype: LUVF 11142 (cranium).

Distribution: Western India; middle Eocene (Sahni & Mishra, 1975).

Remarks: Placed in the Bagridae by Sahni & Mishra (1975), following placement of genus in that family by Jordan (1923).

† ***Fajumia schweinfurthi*** Stromer, 1904

† *Fajumia Schweinfurthi* Stromer, 1904: 3, pl. 1 (figs. 1–2). Type locality: Mitteleocän am Nordrande des Fajûm, Aegypten. Holotype: in Munich (? at Bayerische Staatssammlung, München) (nearly complete cranium).

Distribution: Fajum, Egypt; middle Eocene.

† ***Fajumia stromeri*** Peyer, 1928

† *Fajumia Stromeri* Peyer, 1928: 33, fig. 3, pl. 4 (fig. 1). Type locality: Qasr-es-Sagha-Stufe, Norden des Fajum. Ägyptens; Eocene. Holotype: at Bayerische Staatssammlung, München.

Distribution: Fajum, Egypt; middle Eocene.

**HORABAGRUS** Jayaram, 1955

*Horabagrus* Jayaram, 1955b: 261. Type species: *Pseudobagrus brachysoma* Günther, 1864. Type by original designation. Gender: Masculine.

Remarks: *Horabagrus* was initially placed in the Bagridae and has subsequently been suggested to be more closely related to species of the Schilbidae (K. C. Jayaram, pers. comm.) or as a separate family that also includes some species currently placed in the Schilbidae (de Pinna, 1998a, Hardmann, 2005).

***Horabagrus brachysoma*** (Günther, 1864)

*Pseudobagrus brachysoma* Günther, 1864: 86. Type locality: Cochinchina. Holotype: BMNH 1862.9.18.5 (skin).

*Pseudobagrus chryseus* Day, 1865b: 290. Type locality: Kurriavanoor River, Kurriapudnam or Cochin, India. Holotype: Possibly AMS B.7922 (1), BMNH 1865.7.17.5-6 (2), MCZ 4280 (1), NMW 44177 (1), RMNH 6870 (1), ZMB 9575 (1), ZSI 475 (1, lost). Also described and illustrated in Day (1865a: 185, pl. 13, fig. 2).

Distribution: Vernbanad Lake and estuaries of Kerala and southwestern Karnataka, India (Pethiyagoda & Kottelat, 1994).

Remarks: See Jayaram (1952) for taxonomic comments.

***Horabagrus nigricollaris*** Pethiyagoda & Kottelat, 1994

*Horabagrus nigricollaris* Pethiyagoda & Kottelat, 1994: 110, fig. 13. Type locality: India: Kerala: Chalakudy River, 26 km upstream of Chalakudy town, near Vettilappara. Holotype: AMS I.34198-001.

Distribution: Chalakudy River, Kerala, India (Pethiyagoda & Kottelat, 1994).

**PHREATOBIUS** Goeldi, 1905

*Phreatobius* Goeldi, 1905: 549. Type species: *Phreatobius cisternarum* Goeldi, 1905. Type by monotypy. Gender: Masculine.

Remarks: Originally treated as a genus of the Trichomycteridae, in recent years this genus has been placed within the Heptapteridae (e. g., Bockmann & Guazzelli, 2003), following Buckup (1988) and the unpublished study by Bockmann (1998). However, Muriel-Cunha & de Pinna (2005) suggests that the placement of this genus and its single named species is unsettled. The family-group name Phreatobinae was proposed for this genus by Reichel

(1927: 383).

***Phreatobius cisternarum*** Goeldi, 1905

*Phreatobius cisternarum* Goeldi, 1905: 549. Type locality: Wasser einer Binnenlandzisterne tief im Innern der Mündung des Amazonenstromes vorgelagertern Rieseninsel Marajó [Brazil]. Syntypes (2): MHNG 2623.30 (1), plus one of the following: FMNH 58580 (1), MHNG 1213.97 (1), or MHNG 1505.91 (2 entire specimens plus one sectioned and mounted on microscopic preparations).

Distribution: Marajó island, mouth of the Amazon River, Brazil, in cisterns (Bockmann & Guazzelli, 2003).

Remarks: See Reichel (1927), Carvalho (1967) and Muriel-Cunha & de Pinna (2005) for further information on this enigmatic species.

† ***PLIOSILURUS*** Weiler, 1956.

† *Pliosilurus* Weiler, 1956: 180. Type species: † *Pliosilurus primus* Weiler, 1956. Type by monotypy. Gender: Masculine.

Remarks: Listed as † *Pliosilurus primus* gen. & sp. nov., which, if published before 1931, would have made the type designation by original designation, but not after 1930.

† ***Pliosilurus primus*** Weiler, 1956

† *Pliosilurus primus* Weiler, 1956: 180, figs. 1–2; pl. 11. Type locality: Willershausen bek Göttingen [Pliocene, Germany]. Holotype: Geologischen Instituts der Universität Göttingen 4836 (head, pectoral girdle, portion of vertebral column and anal fin).

Distribution: Germany; Pliocene.

† ***RHINEASTES*** Cope, 1872

† *Rhineastes* Cope, 1872b: 486. Type species: † *Rhineastes peltatus* Cope, 1872. Type by original designation. Gender: Masculine.

Remarks: † *Rhineastes* has generally been placed in the Ariidae, but Lundberg (1992: 396) considered that placement in error and, instead, treated the genus as *Incertae sedis* in the Siluriformes, which is followed here.

† ***Rhineastes peltatus*** Cope, 1872

† *Rhineastes peltatus* Cope, 1872b: 486. Type locality: Bridger Formation, South Bitter Creek, Wyoming. Holotype USNM 3984 (supraoccipital bone and dorsal spine); holotype illustrated in Cope (1884b: 63, pl. 5, figs. 1–2).

Distribution: Bridger Formation, Wyoming; known only from type locality (Lundberg, 1975).

† ***Rhineastes smithii*** Cope, 1872

† *Rhineastes smithii* Cope, 1872b: 486. Type locality: Bridger Formation, South Bitter Creek, Wyoming. Holotype: USMN 3978 (pectoral spine); holotype illustrated in Cope (1884b: 64, pl. 5, figs. 5–11).

Distribution: Bridger Formation, Wyoming (Lundberg, 1975).

Remarks: Inclusion in † *Rhineastes* considered tentative by Lundberg (1975).

***Species inquirenda***, † ***Rhineastes***

† *Rhineastes radulus* Cope, 1873: 639. Type locality: Bridger Formation at Cottonwood Creek, Wyoming; Eocene. Holotype: USNM 4099 (fragments); holotype illustrated in Cope (1884b: 67, pl. 5, figs. 14–17). Identity uncertain (Lundberg, 1975).

† ***SOCNOPAEA*** Stromer, 1904

† *Socnopaea* Stromer, 1904: 6. Type species: † *Socnopaea grandis* Stromer, 1904. Type by monotypy. Gender: Feminine.

Remarks: Jordan (1923) placed this genus and † *Fajumia* into the Bagridae, but Peyer (1928) placed both genera in the Ariidae.

† ***Socnopaea grandis*** Stromer, 1904

† *Socnopaea grandis* Stromer, 1904: 6, pl. 1 (fig. 3). Type locality: Mitteleocän am Nordrande des Fajûm, Aegypten. Holotype: in Munich (partial cranium).

Distribution: Fajum, Egypt; middle Eocene.

† *Socnopaea horai* Sahni & Mishra, 1975

† *Socnopaea horai* Sahni & Mishra, 1975: 10, pl. 2 (fig. 1). Type locality: Ossiferous gypseous shales of Babia stage (Middle Eocene) at Harudi, Western India. Holotype: LUVF 11145 (cranium).

### **Genera inquirendae, Siluriformes**

*Tachysurus* La Cepède, 1803: 150. Type species: *Tachysurus sinensis* La Cepède, 1803. Type by monotypy. Gender: Masculine. The type species is considered to be an unrecognizable siluriform by Wheeler & Baddockwaya (1981) and Taylor (1986a).

*Laimumena* Sauvage, 1884a: 147. Type species: *Laimumena barbonica* Sauvage, 1884. Type by monotypy. Gender: Feminine. Description of type species is not recognizable to genus or even family.

*Trachymochlus* Hoedeman, 1961: 137. Type species: *Trachymochlus cupido* Hoedeman, 1961. Type by monotypy. Gender: Masculine.

### **Species inquirendae, Siluriformes**

*Silurus undecimalis* Linnaeus, 1758: 305. Type locality: Not stated. Type(s): originally part of collection at Museum Adolphi Friderici but whereabouts unknown, apparently not at NRM. Type locality stated as “Surinami” in Linnaeus (1764: 97).

*Silurus luvur* Molina, 1782: 346. Type locality: Chile. No types known.

*Silurus schilby* Sonnini, 1799: 256, pl. 23 (fig. 1). Type locality: Nil. On p. 295 there is note about *Silurus schilbe niloticus* of Hasselquist that suggests that this may not be intended to be the proposal of a new name.

*Silurus gurgu* Bloch & Schneider, 1801: 388. Type locality: in Nilo. No types known, based on literature account. Proposed conditionally.

*Silurus minutus* Schneider, in Bloch & Schneider, 1801: 389. Type locality: India. No types known, based on unpublished literature source. Proposed conditionally.

*Tachysurus sinensis* La Cepède, 1803: 150, 151, pl. 5 (fig. 2). Type locality: China. No types known; based on a Chinese painting; illustration in La Cepède reproduced in Wheeler & Baddockwaya (1981). Treated in many Chinese works as valid in *Arius*, but Wheeler & Baddockwaya (1981) and Taylor (1986a) indicate that it is an unrecognizable siluriform from the description and/or illustration.

*Silurus ichneumon* Hermann, 1804: 309. Type locality: Cairo. No types known.

*Pimelodes fossor* Lichtenstein, 1823: 112. Type locality: Cape of Good Hope, South Africa. Type(s): at ZMB.

*Pimelodus octocirrhus* Cuvier, 1829: 294. Type locality: not stated. Available from footnote as, “*Pim. octocirrhus*, N., Seb., III, xxix, 1” [= Seba (1734–65: pl. 29, fig. 1)].

*Pimelodus javus* Valenciennes, in Cuvier & Valenciennes, 1840b: 187 (139 in Strasbourg deluxe edition). Type locality: Java. Holotype (4 ½ pouces): at MNHN. Status uncertain (Roberts, 1993: 47).

*Pimelodus tachisurus* Valenciennes, in Cuvier & Valenciennes, 1840b: 163 (121 of Strasbourg deluxe edition). Type locality: China. No types known; based on a Chinese painting. Unneeded new name for *Tachisurus chinensis* [sic, for *sinensis*] La Cepède.

*Pimelodus Cantonensis* Valenciennes, in Cuvier & Valenciennes, 1840b: 142 (106 of Strasbourg deluxe edition). Type locality: Canton [China]. No types known. Based solely on an illustration.

*Bagrus chinta* Valenciennes, in Cuvier & Valenciennes, 1840a: 445 (330 of Strasbourg deluxe edition). Type locality: [Vizagapatam]. No types known, based on account and illustration in Russell (1803: pl. 167).

*Pimelodus pusillus* Ranzani, 1842: 332, pl. 27. Type locality: Unknown [apparently Brazil, based on other species in publication]. Holotype: MZUB 933. Name appeared first in Ranzani (1841: 64) as a *nomen nudum*.

† *Pimelodus Sadleri* Heckel, 1849: 19. Type locality: Bihar Comitatus, Hungary; Miocene. Holotype ? (fin ray fragments). Illustrated and described in more detail in Heckel (1850: 213, pl. 16, fig. 3).

*Silurus ferox* Gronow, in Gray, 1854: 135. Type locality: not stated. No types known.

*Rhamdia javanica* Bleeker, 1858b: 139. Type locality: Java. Holotype: at MNHN. Unjustified emendation of *Pimelodus javus* Valenciennes, 1840.

- Laimumena barbonica* Sauvage, 1884a: 147. Type locality: Réunion. No types known. Not found in catalogs of MNHN (pers. obs.) and not seen on shelves.
- † *Silurus Serdicensis* Toula, 1889: 108, pl. 9. Type locality: im Westen von Sofia. Upper Tertiary. Syntypes: (fragmentary remains).
- † *Silurus gaudryi* Leriche, 1900: 181, pl. 1, figs. 7–12. Type locality: Cuis, Monthelon [Marne, Lower Eocene]. Types: at laboratoire de Géologie de l'Université de Lille (dorsal fin spines, pectoral fin spine). Originally *Silurus (?) gaudryi*. Remarks: As *Pimelodus gaudryi* in Leriche (1901:165).
- † *Silurus pliocaenicus* Leidenfrost, 1925, 121, text fig. 2 and pl. 6. Type locality: pannonisch-pontischen Tonen von Rákos bei Budapest [Hungary, Pliocene]. Holotype: at Samml. der Kön. ung. Geologischen Anstalt, Budapest, partial neurocranium. Remarks: Possibly a bagrid (S. L.), or a silurid (Gayet & Meunier, 2003: 503).
- † *Silurus stenocephalus* Leidenfrost, 1925, 122, pl. 7. Type locality: Pannonisch-pontischen Tonen von Rákos bei Budapest [Hungary, Pliocene]. Holotype: at Samml. der Kön. ung. Geologischen Anstalt, Budapest, partial neurocranium.
- † *Rhineastes grangeri* Hussakof, 1932: 17, fig. 26. Type locality: Tung Gur beds, 50 miles southeast of Iren Dabasu, Inner Mongolia; Pliocene. Holotype: at AMNH (right pectoral fin spine). Distribution: Known only from the type locality, in central Asia.
- Trachymochlus cupido* Hoedeman, 1961: 137, fig. 4. Type locality: Nickerie, entrance of Cupido creek into Maratakka River, Suriname. Holotype: ZMA 102236.
- † *Schmidelia graciliformis* Berry. [no other information; from Dolgopol de Saez (1945)].
- † *Clarias pliocaenicus* Sauvage (in Depéret, 1885). [no other information; from Gayet & Meunier (2003)]
- † *Ariopsis peyeria* Eocene, North Africa [no additional information, From Romer. Probably a mistake for *Ariopsis* Peyer]

### Names wrongly treated as Siluriformes

- † *Arius lemoinei* of Eocene of France [No additional information]  
Remarks: Considered an acipenserid by Gayet & Meunier (2003).
- † *BRACHYSPONDYLUS* Marck, in Marck & Schlüter, 1868: 283. Type species: † *Brachyspondylus cretaceus* Marck, 1868. Type by monotypy. Gender: Masculine.  
Remarks: Listed by Jordan (1923: 643) as a cyprinid with † *Brachyspondylus saropterix* Marck, 1876, as orthotype. *Brachyspondylus saropterix* has been considered to be a siluriform taxon, most recently by Gayet & Meunier (2003), but † *Brachyspondylus* is actually available from Marck & Schlüter (1868: 283), with † *Brachyspondylus cretaceus* (283, pl. 43, fig. 2) as type by monotypy. This species is a scaly fish, probably a cyprinid, so that † *Brachyspondylus* is not a catfish name. See Sanders (1934: 30) for discussion of the taxonomic history of this name.
- † *BUCKLANDIUM* König, 1825  
† *Bucklandium* König, 1825: 4. Type species: † *Bucklandium diluvii* König, 1825. Type by monotypy. Gender: Neuter.
- † *Glyptocephalus* Agassiz, 1843 (in Agassiz, 1833–43): 264. Type species: † *Glyptocephalus radiatus* Agassiz, 1843. Type by monotypy. Gender: Masculine. Preoccupied by *Glyptocephalus* Gottsche, 1834, in Recent fishes (Pleuronectidae).
- † *Glyptocara* Gill, 1888: 926. Replacement for † *Glyptocephalus* Agassiz, 1844, preoccupied by *Glyptocephalus* Gottsche, 1834.  
Remarks: The name *Ephippus Owenii* appears in Agassiz (1843 (in Agassiz, 1833–43): 264) in the account of the newly proposed name *Glyptocephalus radiatus*. It is not treated as a valid name and is therefore not available from this usage. Gayet & Meunier (2003) place † *Bucklandium* as Siluriformes *incertae sedis*, possibly belonging within the Arioida, which appears to follow Woodward (1889b: 208), in which the name is treated as a siluriform fish near to *Auchenoglanis*. However, the illustration provided by Woodward is apparently not that of a



siluriform fish and after close examination of the type specimen, Ralf Britz (pers. commun.) concluded that the bones are definitely not those of a catfish.

† *Bucklandium diluvii* König, 1825

† *Bucklandium diluvii* König, 1825: 4, pl. 8, no. 91. Type locality: Isle of Sheppey, Lower Eocene, London Clay. Holotype: BMNH P.9230 (cranium and pectoral arch). Redescribed and illustrated in Woodward (1889b: 208, pl. 22).

† *Glyptocephalus radiatus* Agassiz, 1843 (in Agassiz, 1833–43): 264. Type locality: [Argiles de Londres] Sheppy. Holotype: BMNH P.9230 (cranium and pectoral arch).

Distribution: London Clay, Lower Eocene.

Remarks: † *Glyptocephalus radiatus* Agassiz, 1843, is an unneeded new name for † *Bucklandium diluvii* König, 1825, which Agassiz apparently did not associate with the examined specimen.

† *PROPYGIDIUM* Bocchino, 1964: 186. Type species: † *Propygidium primaevus* Bocchino, 1964. Type by original designation. Gender: Neuter.

Remarks: Although originally described as a member of the siluriform family Trichomycteridae, the material was reexamined and interpreted as a member of the Perciformes by Cione & Torno (1988).

† *Propygidium primaevus* Bocchino, 1964: 186, fig. on p. 189. Type locality: Serie Andesítica Lask Bayas, to the west of Rio Negro Province, Argentina; Eocene/Oligocene. [Corrected to: Cerro David, 0.5 km from the road from San Carlos de Bariloche to Chenqueniyeu, to the west of the Province of Rio Negro, from the middle levels of the Ñirihuau Formation (Upper Oligocene-Lower Miocene), by Cione & Torno (1988)]. Holotype: División de Paleontología Vertebrados del Museo de La Plata 21-871, partial skeletal impression.

† *TREWAVASIA* White & Moy Thomas, 1941

† *Xenopholis* Davis, 1887: 548. Type species: † *Xenopholis carinatus* Davis, 1887, by monotypy. Gender: Feminine. Preoccupied by *Xenopholis* Peters, 1869, in Reptiles; replaced by † *Trewavasia* White & Moy Thomas, 1941, and † *Xenopholoides* Fowler, 1958.

† *Trewavasia* White & Moy Thomas, 1941: 400. Type species: † *Xenopholis carinatus* Davis, 1887. Gender: Feminine. Type by being a replacement name. Replacement for † *Xenopholis* Davis, 1887; preoccupied by *Xenopholis* Peters, 1869, in Reptiles. Gender: Feminine.

† *Xenopholoides* Fowler, 1958: 13. Type species: † *Xenopholis carinatus* Davis, 1887. Gender: Feminine. Type by being a replacement name. Replacement for † *Xenopholis* Davis, 1887; preoccupied by *Xenopholis* Peters, 1869, in Reptiles.

Remarks: Described by Davis (1887) as probably showing a “closer connection with siluroids than with any other group” but clearly not a siluriform fish. Most likely an Acanthopterygian.

† *Trewavasia carinata* (Davis, 1887)

† *Xenopholis carinatus* Davis, 1887: 549, pl. 29, fig. 4. Type locality: Mt. Lebanon, Syria, Hard Chalk.

**Appendix 1. Siluriform genera and species named from otoliths. Unless otherwise noted, all names were found in Weiler's (1968) catalogue of fish otoliths as belonging to catfishes**

**Generic names**

- † *Claibornichthys* Frizzel & Dante, 1965: 697. Type species: † *Claibornichthys troelli* Frizzel & Dante, 1965. Type by original designation. Gender: Masculine.  
Remarks: † *Otolithus (Sciaenidarum) decipiens* Koken, 1888, tentatively included as a second species of this genus by Frizzel & Dante (1965).
- † *Vorhisia* Frizzell, 1965: 179. Type species: † *Vorhisia vulpes* Frizzell, 1965. Type by original designation. Gender: Feminine.  
Remarks: The family group name † Vorhisiidae was proposed in the same publication.

**Species names**

(Names listed by date of publication)

- † *Otolithus (incertae sedis) crassus* Koken, 1884: 559, pl. 12, fig. 13. Type locality: Heaton Hill, Isle of Wight. Holotype: at Roy. Mus. Nat. Hist. Berlin (otolith), but apparently lost (Stinton, 1977: 71).  
Remarks: Placed in *Arius* by Weiler (1968). Treated as valid as † *Tachysurus crassus* by Stinton (1977: 71).
- † *Otolithus (Sciaenidarum) decipiens* Koken, 1888: 285, pl. 19 (figs. 5-6). Type locality: Calyborne-Schichten. Syntypes (2): Whereabouts unknown..  
Remarks: Not listed among siluriform otolith based names in Weiler (1968), but treated a possible second species of † *Claibornichthys* (as † *Otolithus (Arius) decipiens*) in Frizzel & Dante (1965).
- † *Arius baroni* Newton, 1889: 207, pl. 21, fig. 7. Type locality: Ankoala, Madagascar; Eocene. Holotype: at BMNH, in the Baron collection (1 of 8 otoliths). Name available from figure caption, thus illustrated specimen is the holotype.
- † *Raja similis* Woodward, 1889a: 86, pl. 4, figs. 4-5. Type locality: Hampshire, England; Eocene. (Otoliths).  
Remarks: Name corrected to † *Arius similis* on plate caption. Treated as a synonym of † *Tachysurus crassus* (Koken) by Stinton (1977: 71).
- † *Otolithus (Arius) danicus* Koken, 1891: 81, fig. 1. Type locality: Copenhagen; lower Eocene. Based on otolith identified as † *Otolithus* cf. *crassus* in Koken (1885: 116, pl. 5, fig. 29).
- † *Otolithus (Arius) germanicus* Koken, 1891: 81, pl. 1, fig. 3, and pl. 6, fig. 8. Type locality: Lattorf, Westeregeln, and Osterweddingen, Lower Oligocene; Sollingern, Weinheim, Waldboeckelheim, Middle Oligocene. (otoliths).
- † *Otolithus (Arius) vanigonis* Koken, 1891: 81, pl. 6, fig. 4. Type locality: Mitteloligocän, Waldböeckelheim.
- † *Otolithus (Arius) Lerichei* Priem, 1906: 277, figs. 46-47. Type locality: problemement du Thanétien ou Yprésien ? des environs de Reims, éocènes du bassin Parisien. Holotype (partial Lapillus): Collection Bourdot.
- † *Otolithus (Siluridarum ?) incertus* Priem, 1906: 277, figs. 48-49. Type locality: problemement d'Hérouval (Yprésien supérieur), éocènes du bassin Parisien. Holotype: ? MNHN.
- † *Otolithus (Arius ?) moravicus* Schubert, 1908: 106, abb. 3. Type locality: Marnes de Pausram (Lower Ologocene). Holotype: GBW 1908/01/4.  
Remarks: Nolf (1981: 136) listed this name as a rejected species.
- † *Otolithus (Arius) angelicus* Bassoli, 1909: 41, fig. 1. Type locality: Headon Member, Solent formation, Brockenhurst, Hampshire, Britain. Holotype: (Lapillus).  
Remarks: Treated as valid as † *Galeichthys angelicus* by Stinton (1977: 73).
- † *Otolithus (Arius) crassus bartonensis* Shepherd, 1916: 183, fig. 155 (5). Type locality: Ober- Eozän, England. Originally † *Otolithus (Arius) crassus* var. *bartonensis*.  
Remarks: Treated as a synonym of † *Tachysurus crassus* (Koken) by Stinton (1977: 71).
- † *Otolithus (Arius) danicus bartonensis* Shepherd, 1916: 180, fig. 157 (11). Type locality: Upper Eocene, England. Originally † *Otolithus (Arius) danicus* var. *bartonensis*.  
Remarks: Treated as a synonym of † *Tachysurus planus* (Frost), as well † *Tachysurus crassus* (Koken) as by Stinton

(1977: 70).

- † *Otolithus (Arius ?) parvus* Schubert, 1916: 287, pl. 7 (fig. 24). Type locality: Barton Formation (Upper Eocene) at Barton Cliff, England. Syntypes: GBW 1916/01/25, 25a.  
Remarks: Treated as a synonym of † *Tachysurus crassus* (Koken) by Stinton (1977: 71). Nolf (1981: 136) listed this name as a rejected species.
- † *Otolithus (Arius) newtoni* Schubert, 1916: 286, pl. 7 (fig. 3). Type locality: Barton Formation (Upper Eocene) at Barton Cliff, England. Syntypes: GBW 1916/01/3 (or MGB 0427, see Stinton, 1977: 72).  
Remarks: Treated as a synonym of † *Tachysurus crassus* (Koken) by Stinton (1977: 71). Nolf (1981: 136) treated this name as a synonym of † *Arius crassus* (Koken).
- † *Otolithus (Arius) tenuis* Frost, 1925: 28, pl. 2 (fig. 37). Type locality: Hoofdsossiel-zone, Al. Geureugah (Nisam), Sumatra; upper Tertiary (Neogene). Holotype: (? Lapillus).  
Remarks: Name spelled † *Otolithus (Arius) tenius* on plate, which is treated here as an invalid name.
- † *Otolithus (Arius) africanus* Frost, 1926: 84, pl. 18, figs. 7–8. Type locality: Ameki, Nigeria; Eocene. Syntypes (5): (Lapillus).
- † *Otolithus (Arius) amekiensis* Frost, 1926: 84, pl. 18, fig. 10. Type locality: Ameki, Nigeria; Eocene. Holotype: (Lapillus).
- † *Otolithus (Arius) angulatus* Frost, 1926: 84, pl. 18, fig. 9. Type locality: Ameki, Nigeria; Eocene. Syntypes (3): (Lapillus).
- † *Otolithus (Arius ?) glaber* Voigt, 1926: 177, pl. 2, figs. 23–24. Type locality: Bavaria, Cretaceous.
- † *Otolithus (Arius) jaekeli* Richter 1928: 138, pl. 1, fig. 3. Type locality: Pomerania, Cretaceous.
- † *Otolithus (Arius) aequus* Frost, 1934: 504, pl. 14 (fig. 15). Type locality: Barton Formation, Barton, Hampshire; Upper Eocene. Holotype: BMNH P 22732 (Lapillus).  
Remarks: Treated as valid as † *Galeichthys aequus* by Stinton (1977: 71).
- † *Otolithus (Arius) planus* Frost, 1934: 504, pl. 14 (fig. 14). Type locality: Barton Formation, Barton, Hampshire; Upper Eocene. Holotype: BMNH P 22730 (otolith).  
Remarks: Treated as valid as † *Tachysurus planus* by Stinton (1977: 70).
- † *Arius rutschi* Casier, 1958: 22, pl. 2 (figs. 12, 15). Type locality: l'Île de la Barbade; formation de Scotland superieure. Holotype: TLLS 80. (Lapillus).
- † *Arius cavatus* Stinton, 1962: 82, pl. 19 (fig. 6). Type locality: Borneo, Lower Pliocene. Holotype: (Lapillus).
- † *Tachysurus oblongus* Stinton, 1962: 81, pl. 19 (fig. 3). Type locality: Borneo, Miocene–Pliocene. Type(s): Whereabouts unknown.
- † *Netuma radiata* Stinton, 1962: 81, pl. 1 (fig. 17). Type locality: Borneo, Pliocene.
- † *Netuma regularis* Stinton, 1962: 82, pl. 19 (fig. 5). Type locality: Borneo, Pliocene.
- † *Otolithus (Arius) rotundatus* Roedel, 1930: 52, pl. 1, fig. 17. Type locality: Köthen und Frankfurt [Germany], Eocene. Holotype: (Lapillus).
- † *Vorhisia vulpes* Frizzell, 1965: 180, figs. 2, 3. Type locality: Upper Cretaceous (Maestrichtian): along left bank of Grand River; Sec. 19, T20N, R20W; Corson County, South Dakota. Holotype: Frizzell personal collection, no number (otolith: left lapillus).  
Distribution: Fox Hill Formation: Irish Creek lithofacies, Bullhead lithofacies, and Colgate lithofacies, South Dakota, USA; Upper Cretaceous (Frizzell & Koenig, 1973).
- † *Claibornichthys troelli* Frizzell & Dante, 1965: 697, pl. 86 (figs. 1, 2, 8, 17, 18, 19). Type locality: Stone City Beds: Brazos River, west of Bryan Texas. Holotype: USNM 23371 (otolith).
- † *Diplomystes rudis* Stinton, 1966: 423, pl. 66, fig. 12. Type locality: London Clay, England.  
Distribution: London Clay, England, Lower Eocene (Weiler, 1968).

## Appendix 2. Institutional codes

<b>AFY</b>	Personal collection of Agustín Fernández-Yépez; portions now at SCN and MBUCV, Venezuela.
<b>AI</b>	Asociación Ictiológica, La Plata, Argentina.
<b>AMG</b>	Albany Museum, Grahamstown, South Africa.
<b>AMNH</b>	American Museum of Natural History, New York, U.S.A.
<b>AMS</b>	Australian Museum, Sydney, N. S. W., Australia.
<b>ANSP</b>	Academy of Natural Sciences, Philadelphia, Pennsylvania, U.S.A.
<b>ASIZB</b>	Academia Sinica Institute of Zoology, Beijing, China.
<b>BCUE</b>	Department of Biology, Ch'ongju University of Education, Korea.
<b>BKNU</b>	Kunsan National University, Department of Biology, Korea.
<b>BMNH</b>	Natural History Museum, London. Formerly British Museum (Natural History), U.K.
<b>BSMP</b>	Department of Agriculture, Bureau of Science, Manila, Philippines. Evidently entire collection destroyed during World War II.
<b>CAS</b>	California Academy of Sciences, San Francisco, California, U.S.A.
<b>CM</b>	Carnegie Museum, Pittsburgh, Pennsylvania, U.S.A. Now at FMNH.
<b>CPUC</b>	Colecciones Paleontológicas, Departamento Ciencias de la Tierra, Universidad de Concepción, Concepción, Chile.
<b>CSIRO</b>	Commonwealth Science & Industrial Research Organization, Division of Marine Research, Hobart, Tasmania, Australia.
<b>CU</b>	Cornell University Museum of Vertebrates, Ithaca, New York, U.S.A.
<b>DGM</b>	Paleontological collection of the Setor de Paleontologia, Departamento Nacional de Produção Mineral, Universidade do Estado do Rio de Janeiro, Brazil.
<b>DVZUT</b>	Department of Vertebrate Zoology, University of Tông-Hop, Hanoi, Vietnam.
<b>DZSASP</b>	Departamento de Zoologia, Secretaria da Agricultura, São Paulo, Brazil. Formerly Museu Paulista.
<b>ECO-SC</b>	El Colegio de la Frontera Sur, San Cristóbal, Chiapas, Mexico.
<b>EEBP</b>	Estação Experimental de Biologia e Piscicultura de Pirassununga, Brazil.
<b>FAKU</b>	Kyoto University, Department of Fisheries, Faculty of Agriculture, Japan.
<b>FFSUC</b>	Faculty of Forestry Sciences, Universidad de Chile, Ichthyological Collection, Santiago, Chile.
<b>F/GUZ</b>	Department of Zoology, Gauhati University, Guwahati, Assam, India.
<b>FML</b>	Instituto Fundacion Miguel Lillo, Tucuman, Argentina.
<b>FMNH</b>	Field Museum of Natural History, Chicago, Illinois, U.S.A.
<b>FRLM</b>	Faculty of Fisheries, Mie University, Fisheries Research Laboratory, Mie-ken, Japan.
<b>GBW</b>	Collection du Geologische Bundesanstalt, Vienna, Austria.
<b>GCM</b>	Government College, Department of Zoology, Lahore, Pakistan.
<b>GSJ</b>	Geological Society of Japan.
<b>ICNMHN</b>	Instituto de Ciencias Naturales, Museo de Historia Natural, Universidad Nacional de Colombia, Bogotá, Colombia. .
<b>IHASW</b>	Institute Hydrobiology Academy Sinica, Wuhan, China.
<b>ILPLA</b>	Museo de La Plata, Instituto de Limnologia, La Plata, Argentina.
<b>IMCN</b>	Natural Sciences Museum Federico Carlos Lehmann V.- INCIVA Cali, Colombia
<b>INHS</b>	Illinois Natural History Survey, Champaigne, Illinois, U.S.A.
<b>INPA</b>	Instituto Nacional de Pesquisas da Amazonia, Manaus, Amazonas, Brazil.
<b>INVEMAR</b>	Instituto de Investigaciones Marinas de Punta de Betin, Santa Marta, Colombia.
<b>IRSNB</b>	Institut Royal des Sciences Natureles de Belgique, Brussels, Belgium.
<b>IU</b>	Indiana University, Bloomington, Indiana, U.S.A. Now distributed among several institutions, primarily CAS, UMMZ and USNM; many IU types remain unaccounted for.
<b>IUQ</b>	Laboratorio de Ictiología, Departamento de Biología, Universidad del Quindío, Armenia, Colombia.
<b>IZUA</b>	Universidad Austral de Chile, Instituto de Zoologia, Valdivia, Chile.
<b>JFBM</b>	Bell Museum Fish Collection at the University of Minnesota.

<b>JNU</b>	Department of Biology, Ji Nan University, China.
<b>KIZ</b>	Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming, Yunnan, China.
<b>KU</b>	University of Kansas, Museum of Natural History, Lawrence, Kansas, U.S.A.
<b>KUMF</b>	Kasetsart University Museum of Fisheries, Bangkok, Thailand.
<b>LACM</b>	Los Angeles County Museum of Natural History, Los Angeles, California, U.S.A.
<b>LIVCM</b>	World Museum Liverpool, U.K.
<b>LUVP</b>	Vertebrate Palaeontology Laboratory, Geology Department, Lucknow University, Lucknow, India.
<b>MACN</b>	Museo Argentino de Ciencias Naturales, Bernardino Rivadavia, Capital Federal, Argentina.
<b>MB</b>	Universidade de Lisboa, Museu Bocage, Lisboa, Portugal.
<b>MBLUZ</b>	Museo de Biología de la Universidad del Zulia, Venezuela.
<b>MBUCV</b>	Universidad Central de Venezuela, Museo de Biología, Caracas, Venezuela.
<b>MCN.USB</b>	Museo de Ciencias Naturales, Universidad Simón Bolívar, Caracas, Venezuela.
<b>MCNG</b>	Museo de Ciencias Naturales, Guanare, Venezuela.
<b>MCP</b>	Pontificia Universidade Católica do Rio Grande do Sul, Museu de Ciências, Rio Grande do Sul, Porto Alegre, Brazil.
<b>MCZ</b>	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, U.S.A.
<b>MD</b>	Museo do Dundo, Dundo, Angola.
<b>MEPN</b>	Escuela Polytechnica Nacional, Quito, Ecuador.
<b>MHNC</b>	Museo de Historia Natural de Cochabamba, Bolivia.
<b>MHNG</b>	Museum d'Histoire Naturelle, Geneve, Switzerland.
<b>MHNL</b>	Musée d'Hisoire Naturelle du Luxembourg.
<b>MHNLR</b>	Museum d'Histoire Naturelle, La Rochelle, France.
<b>MHNLS</b>	Museo de Historia Natural de La Salle, Caracas, Venezuela.
<b>MHNM</b>	Museo de Historia Natural de Montevideo, Montevideo, Uruguay.
<b>MHNN</b>	Museum d'Histoire Naturelle, Neuchatel, Switzerland.
<b>MHV</b>	Musée de Haute Volta, Ouagadougou, Upper Volta.
<b>MIKU</b>	Marine Biological Institute, Kyoto University, Japan. Specimens now at FAKU.
<b>MLP</b>	Museo de La Plata, La Plata, Argentina.
<b>MNHN</b>	Muséum National d'Histoire Naturelle, Paris, France.
<b>MNHNP</b>	Museo Nacional de Historia Natural de Paraguay.
<b>MNKP</b>	Museo de Historia Natural Noel Kempff Mercado, Santa Cruz, Bolivia.
<b>MNRJ</b>	Universidade Federal do Rio de Janeiro, Museu Nacional, Rio de Janeiro, Brazil.
<b>MNSB</b>	Museum of Natural Sciences, Budapest, Hungary.
<b>MPEG</b>	Museu Paraense 'Emilio Goeldi', Para, Brazil.
<b>MRAC</b>	Musée Royal de l'Afrique Centrale, Tervuren, Belgium.
<b>MRCN</b>	Museu Rio-Grandense de Ciências Naturais, Brazil.
<b>MSINR</b>	Museum Sichuan Institute of Natural Resources, China.
<b>MSNG</b>	Museo Civico di Storia Naturale di Genova 'Giacomo Doria', Genova, Italy.
<b>MSNM</b>	Museo Civico di Storia Naturale, Milano, Italy.
<b>MSUM</b>	Michigan State University, University Museum, East Lansing, Michigan, U.S.A.
<b>MTD</b>	Staatliches Museum für Tierkunde, Dresden, Germany.
<b>MUMF</b>	Department of Life Sciences, Manipur University Museum of Fishes, Canchipur, Manipur, India.
<b>MUSM</b>	Museo de Historia Natural de la Universidad Nacional Mayor de San Marcos, Lima, Peru.
<b>MZB</b>	Museum Zoologicum Bogoriense, Bogor, Indonesia.
<b>MZUF</b>	Universita di Firenze, Museo Zoologico de la Specola, Firenze, Italy.
<b>MZS</b>	Universite de Strasbourg, Musée de Zoologie, Strasbourg, France.
<b>MZUSP</b>	Universidade de São Paulo, Museu de Zoologia, São Paulo, Brazil.
<b>MZUT</b>	Universita di Torino, Museo Zoologico, Torino, Italy.
<b>NIFI</b>	National Inland Fisheries Institute, Fish Taxonomy Division, Bangkok, Thailand.
<b>NMBA</b>	Naturhistorisches Museum Basel, Basel, Switzerland.

<b>NMBE</b>	Naturhistorisches Museum Bern, Bern, Switzerland.
<b>NMC</b>	National Museums of Canada, Ottawa, Canada.
<b>NMK</b>	National Museum, Nairobi, Kenya.
<b>NMSL</b>	National Museum, Sir Marcus Fernando Mawatha, Colombo, Sri Lanka.
<b>NMSZ</b>	National Museums of Scotland, Edinburgh, Scotland.
<b>NMV</b>	National Museum of Victoria, Melbourne, Victoria, Australia.
<b>NMW</b>	Naturhistorisches Museum, Vienna, Austria.
<b>NRM</b>	Swedish Museum of Natural History (Naturhistoriska Riksmuseet), Stockholm, Sweden.
<b>NSMT</b>	National Science Museum, Department of Zoology, Tokyo, Japan.
<b>NTM</b>	Northern Territory Museum of Arts & Sciences, Darwin, Northern Territory, Australia.
<b>OSUS</b>	Oklahoma State University, Department of Zoology, Stillwater, Oklahoma, U.S.A.
<b>PEM</b>	Port Elizabeth Museum, Port Elizabeth, South Africa.
<b>QM</b>	Queensland Museum, Brisbane, Queensland, Australia.
<b>QVMS</b>	Queen Victoria Museum, Harare, Zimbabwe.
<b>RMNH</b>	Rijksmuseum van Natuurlijke Historie, Leiden, Netherlands.
<b>ROM</b>	Royal Ontario Museum, Toronto, Ontario, Canada.
<b>SAIAB</b>	South African Institute for Aquatic Biodiversity; formerly J. L. B. Smith Institute of Ichthyology, Grahamstown, South Africa (RUSI).
<b>SAM</b>	South African Museum, Cape Town, South Africa.
<b>SAMA</b>	South Australian Museum, Adelaide, South Australia, Australia.
<b>SBM</b>	Sabah Museum, Sabah, East Malaysia.
<b>SCNU</b>	South China Normal University, Guangzhou, China.
<b>SIUC</b>	Southern Illinois University (Carbondale), University Museum, Carbondale, Illinois, U.S.A.
<b>SMF</b>	Natur-Museum und Forschungs-Institut Senckenberg, Frankfurt-am-Main, Germany.
<b>SMK</b>	Sarawak Museum, Kuching, Sarawak, Malaysia.
<b>SMNS</b>	Staatliches Museum für Naturkunde in Stuttgart, Ludwigsburg, Germany.
<b>SNMB</b>	Slovak National Museum, Bratislava, Czechoslovakia.
<b>SPNRI</b>	Sichuan Province, Natural Resources Institute, China.
<b>SRS/ZSI</b>	Southern Regional Station, Zoological Survey of India, Madras, India.
<b>STRI</b>	Smithsonian Tropical Research Institute, Panama.
<b>SU</b>	Stanford University, Palo Alto, California, U.S.A. Specimens on long term loan to CAS.
<b>TM</b>	Transvaal Museum, Pretoria, South Africa.
<b>TU</b>	Tulane University, Department of Zoology, New Orleans, Louisiana, U.S.A.
<b>UAB</b>	Universidad Autónoma de Barcelona, Departamento de Biología, Barcelona, Spain.
<b>UBJTL</b>	Universidad Bogotá Jorge Tadeo Lozano, Colombia.
<b>UFRJ</b>	Universidade Federal do Rio de Janeiro, Brazil.
<b>UG/CSBD</b>	University of Guyana, Center for the study of Biological Diversity, Georgetown, Guyana.
<b>UMMP</b>	University of Michigan Museum of Paleontology, Ann Arbor, Michigan, U.S.A.
<b>UMMZ</b>	University of Michigan Museum of Zoology, Ann Arbor, Michigan, U.S.A.
<b>UNAM</b>	Universidad Nacional Autónoma de México, Departamento de Zoología, Instituto de Biología, México, DF, México.
<b>UO</b>	University of Oregon, Corvallis, Oregon, U.S.A.
<b>USNM</b>	National Museum of Natural History, Washington, D.C., U.S.A. Formerly United States National Museum.
<b>UW</b>	University of Washington, College of Fisheries, Seattle, Washington, U.S.A.
<b>WAM</b>	Western Australian Museum, Perth, Western Australia, Australia.
<b>ZFMK</b>	Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn, Germany.
<b>ZIN</b>	Zoological Institute, Academy of Sciences, St. Petersburg, Russia.
<b>ZISP</b>	Zoological Institute, Academy of Sciences, Leningrad, Russia.
<b>ZMA</b>	Universiteit van Amsterdam, Zoologisch Museum, Amsterdam, The Netherlands.
<b>ZMB</b>	Universität Humboldt, Museum für Naturkunde, Berlin, Germany.

- ZMFMB** Zoological Museum Fan Memorial Institute of Biology, Tsing Hua University, Peiping, China.
- ZMH** Universitat Hamburg, Zoologisches Institut und Museum, Hamburg, Germany.
- ZMMU** Zoological Museum, Moscow University, Russia.
- ZMUB** Universitetet i Bergen, Zoologisk Museum, Bergen, Norway.
- ZMUC** Kobenhavns Universitet Zoologisk Museum (Zoological Museum, University of Copenhagen), Copenhagen, Denmark.
- ZMUL** Universitetets Lund, Zoologiska Museet, Lund, Sweden.
- ZMUO** Universitetets I Oslo, Zoologisk Museum, Oslo, Norway.
- ZMUT** University of Tokyo, Department of Zoology, University Museum, Tokyo, Japan.
- ZMUU** Zoologiska Museet, Uppsala Universitet, Uppsala, Sweden.
- ZRC** Zoological Reference Collection, National University of Singapore, Singapore.
- ZSI** Zoological Survey of India, Kolkata [Calcutta], India.
- ZSIC** Zoological Survey of India, Chennai, India.
- ZSI/NRS** Northern Regional Station, Zoological Survey of India, Dehradun, India.
- ZSI/SRS** Southern Regional Station, Zoological Survey of India, Madras, India.
- ZVC-P** Facultad de Ciencias, Universidad de la República, Montevideo, República Oriental del Uruguay
- ZSM** Zoologische Museum Staatssammlung, München, Germany.
- ZX** Zhuhai City Fisheries Science Research Institute, Guandong Province, China.

### Appendix 3. Taxonomic publications on Siluriformes issued in 2006

The following publications were issued in 2006, after the cutoff date for this Checklist. The publications are listed in alphabetical order of authorship, with an abbreviated summary of the taxonomic and nomenclatural actions taken, to make the checklist as up to date as possible. New names and other names that were subject to nomenclatural action have been noted and are included in the index. However, new names and any other proposed taxonomic changes were not incorporated into the statistics provided in Table 1.

Alencar, A.R. & Costa, W.J.E.M. (2006) *Trichomycterus pauciradiatus*, a new catfish species from the upper rio Paraná basin, southeastern Brazil (Siluriformes: Trichomycteridae). *Zootaxa*, 1269, 43–49.

*Trichomycterus pauciradiatus* Alencar & Wilson, 2006: 44, fig. 1. Type locality: Brazil: Estado de Minas Gerais: Município de Carrancas, córrego Debaixo da Serra, stream tributary of córrego Água Limba, rio Paraná basin, 21°26'40"S, 44°36'09"W. Holotype: UFRJ 5831.

Distribution: Upper Paraná River basin, southeastern Brazil.

Almirón, A., Azpelicueta, M. de las M., Casciotta, J. & Litz, T. (2006) A new species of *Hisonotus* (Siluriformes, Loricariidae, Otothyridae) from the Republica Oriental del Uruguay. *Revue suisse de Zoologie, Annales de la Société zoologique suisse et du Muséum d'Histoire naturelle de Genève*, 113, 87–94.

*Hisonotus charrua* Almirón Azpelicueta, Casciotta & Litz, 2006: 88, figs. 1–3. Type locality: República Oriental del Uruguay, Departamento Tacuarembó, río Uruguay basin, Cañada de Los Peña (31°39.09'S, 56°12.32'W). Holotype: ZVC-P 5639.

Distribution: Uruguay River and La Plata River mouth, Uruguay.

Betancur-R., R. & Acero P., A. (2006) A new species of *Notarius* (Siluriformes: Ariidae) from the Colombian Pacific. *Zootaxa*, 1249, 47–59.

*Notarius armbrusteri* Betancur-R. & Acero P., 2006: 50, figs. 2–3. Type locality: fish market of Buenaventura, Valle del Cauca, Colombia. Holotype: INVEMAR-PEC 6677.

Distribution: Eastern Pacific coast, at Valle del Cauca, Colombia.

Key: Species of *Notarius* of Eastern Pacific on p. 58.

Casciotta, J., Azpelicueta, M. de las M., Almirón, A. & Litz, T. (2006) *Hisonotus candombe*, a new species from the río Uruguay basin in the República Oriental del Uruguay (Siluriformes, Loricariidae, Otothyridae). *Spixiana*, 26 (2), 147–152.

*Hisonotus candombe* Casciotta, Azpelicueta, Almirón & Litz, 2006: 147, figs. 1–3. Type locality: República Oriental del Uruguay, Departamento Salto, río Uruguay basin, arroyo Palomas (31°04'43"S – 57°37'26"W). Holotype: ZVC-P 5595.

Distribution: lower Uruguay River basin, Uruguay.

Covain, R., Le Bail, P.Y., Sagnes, P. & Fisch-Muller, S. (2006) Species of the genus *Harttia* (Siluriformes: Loricariidae) in French Guiana: Morphology, taxonomy and distribution. *Cybium*, 30, 3–18.

Day, J. J. & Wilkinson, M. (2006) On the origin of the *Synodontis* catfish species flock from Lake Tanganyika. *Biology Letters*, doi:10.1098/rsbl.2006.0532, 1–5.

Diogo, R. & Bills, R. (2006) Osteology and myology of the cephalic region and pectoral girdle of the South African catfish *Austroglanis gilli*, with comments on the autapomorphies and phylogenetic relationships of the Austroglanidae (Teleostei: Siluriformes). *Animal Biology*, 56, 39–62.

Diogo, R., Chardon, M. & Vandewalle, P. (2006) Osteology and myology of the cephalic region and pectoral girdle of the *Cetopsis coecutiens* Spix & Agassiz, 1829, comparison with other cetopsids, and comments on the synapomorphies and phylogenetic relationships of the Cetopsidae (Teleostei: Siluriformes). *Belgian Journal of Zoology*, 136, 3–13.

Diogo, R., Chardon, M. & Vandewalle, P. (2006) Osteology and myology of the cephalic region and pectoral girdle of the *Nematogenys inermis* Guichenot, 1848, with comments on the autapomorphies and phylogenetic relationships of the Nematogenyidae (Teleostei: Siluriformes). *Belgian Journal of Zoology*, 136, 15–24.

Do Nascimento, C. & Provenzano, F. (2006) The genus *Henonemus* (Siluriformes: Trichomycteridae) with a description of a new species from Venezuela. *Copeia*, 2006, 198–205.



- Henonemus triacanthopomus* Do Nascimento & Provenzano, 2006: 199, fig. 1. Type locality: Venezuela, Estado Delta Amacuro, beach at Caño Macareo, 8°49'16"N, 62°00'00"W. Holotype: MBUCV-V 29526  
Distribution: Apure and Arauca Rivers and in Caño Macareo in the Orinoco Delta, Venezuela.
- Egge, J.J.D. & Simons, A.M. (2006) The challenge of truly cryptic diversity: diagnosis and description of a new madtom catfish (Ictaluridae: *Noturus*). *Zoologica Scripta*, 35, 581–595.
- Noturus maydeni* Egge, 2006: 588, fig. 7. Type locality: Strawberry River at Simstown Public Access, 4 mi N of Evening Shade, 1.7 mi off U.S. Hwy 167 on Simstown Road (036°05'52"N, 091°36'27"W), Sharp Co., AR [USA]. Holotype: JFBM 39465.  
Distribution: Black and St. Francis river basins, Mississippi River drainage, Arkansas and Missouri, USA (Egge & Simons, 2006).  
Remarks: Not distinguishable morphologically from *Noturus albater*; diagnosis based on karyotypes, allozyme variation, and DNA sequences.
- Fernández, L. & Osinaga, K. (2006) A new *Trichomycterus* (Siluriformes: Trichomycteridae) from Aguarague National Park of the Bolivian preandean region, with comments on the relationships within the genus. *Environmental Biology of Fishes*, 75, 385–393.
- Trichomycterus aguarague* Fernández & Osinaga, 2006: 386, fig. 1. Type locality: Bolivia, Tarija, Province Gran Chaco, National Park Aguarague, Quebrada Timboycito, a Río Caiguami tributary, elevation 700–800 m, 21°30'S, 63°60'W. Holotype: MNKP 4012.  
Distribution: Caiguami River tributaries, Pilcomayo River basin, Paraná River system, Bolivia.
- Friel, J.P. & Vigliotta, T.R., (2006) *Synodontis acanthoperca*, a new species from the Ogôoué River system, Gabon with comments on spiny ornamentation and sexual dimorphism in mochokid catfishes (Siluriformes: Mochokidae). *Zootaxa*, 1125, 45–56.
- Synodontis acanthoperca* Friel & Vigliotta, 2006: 47, figs. 1–3. Type locality: Gabon, Haut-Ogôoué Province, Ogôoué River at and below the Rapids of Massoukou (Masuku), 1°39'30"S 13°32'14"E. Holotype: CU 89005.  
Distribution: Louétsi and Ogôoué Rivers, Ogôoué River basin, Gabon.
- Jayaram, K.C. (2006) *Catfishes of India*, Narenda Publishing House, Delhi, xxii +323 p., 11 pl.
- Pterocryptis barakensis* Vishwanath & Sharma, in Jayaram, 2006: 99, pl. 5, fig. 2. Type locality: India, Manipur, Tamenglong District, Barak River at Vanchengphai, village. Holotype: MUMF 4018.  
Distribution: Barak River, Brahmaputra River basin, India.
- Horabagrinae new subfamily [Schilbiidae], Jayaram, 2006: 141. Type genus: *Horabagrus* Jayaram, 1955.  
Horaglanidinae new subfamily [Clariidae], Jayaram, 2006: 309. Type genus: *Horaglanis* Menon, 1950.
- Janssen, G., Devaere, S., Weekers, P. & Adriaens, D. (2006) Phylogenetic and biogeographical analysis of African air-breathing catfish (Siluriformes: Clariidae): inferred from ribosomal genes and spacers sequences with emphasize on anguilliformity. *Molecular Phylogeny and Evolution* 38: 65–78.
- Jerep, F.C., Shibatta, O.A., Pereira, E.H.L. & Oyakawa, O.T. (2006) Two new species of *Isbrueckerichthys* Derijst, 1996 (Siluriformes: Loricariidae) from the rio Paranapanema basin, Brazil. *Zootaxa*, 1372, 53–68.
- Isbrueckerichthys calvus* Jerep, Shibatta, Pereira & Oyakawa, 2006: 60, fig. 2. Type locality: Brazil; Paraná State; Apucarana; rio Tibagi basin; córrego Juruba; 23°34'44.6"S/51°22'12.6"W. Holotype: MZUEL 3714. Distribution: Tributary streams of the Taquara River, Tibagi River basin, Paraná State, Brazil.
- Isbrueckerichthys saxicola* Jerep, Shibatta, Pereira & Oyakawa, 2006: 55, fig. 1. Type locality: Brazil; Paraná State; Londrina; rio Tibagi basin; ribeirão Jacutinga; 23°14'30S/51°13'05"W. Holotype: MZUEL 3716. Distribution: Ribeirão Jacutinga headwaters, Tibagi River basin, Paraná State, Brazil.
- Koblmüller, S., Sturmbauer C., Verheyen, E., Meyer, A. & Salzburger, W. (2006) Mitochondrial phylogeny and phylogeography of East African squeaker catfishes (Siluriformes: *Synodontis*). *BMC Evolutionary Biology*, 2006, 6 (49) (<http://www.biomedcentral.com/1471-2148/6/49>).
- Mori, H. & Shibatta, O.A. (2006) A new species of *Microglanis* Eigenmann, 1912 (Siluriformes, Pseudopimelodidae) from rio São Francisco basin, Brazil. *Zootaxa*, 1302, 31–42.
- Microglanis leptostriatus* Mori & Shibatta, 2006: 33, fig. 1. Type locality: rio Verde Grande, 16° 39'S/46°11'57.8"W, Montes Claros, State of Minas Gerais, Brazil. Holotype: MZUSP 85985.  
Distribution: São Francisco River basin, Brazil.

- Murdy, E.O. & Ferraris, C.J., Jr. (2006) A revision of the marine catfish genus *Euristhmus* (Teleostei: Siluriformes: Plotosidae). *The Beagle, Records of the Museums and Art Galleries of the Northern Territory*, 22, 77-90.
- Euristhmus micropthalmus* Murdy & Ferraris, 2006: 84, figs. 3, 6. Type locality: AUSTRALIA. Northern Territory. Woods Inlet, Darwin Harbour, 12°30'S, 130°45'E. Holotype: NTM S. 11242-001.  
Distribution: Northern Territory, Australia and Irian Jaya, Indonesia, in nearshore habitats over soft bottoms.
- Euristhmus sandrae* Murdy & Ferraris, 2006: 88, figs 3, 9. Type locality: AUSTRALIA. Western Australia. Exmouth Gulf, 21°42'S, 114°48'E, 9 m. Holotype: WAM P.32730.001.  
Distribution: Western Australia from south of Rowley Shoals and Exmouth Gulf, in waters as deep as 80m over soft bottoms.
- Cnidoglanis lepturus* Günther, 1864, Lectotype: BMNH 1864.1.17.33, designated on p. 82.  
Key: species of *Euristhmus* on p. 80.
- Near, T. J. & Hardman, M. (2006) Phylogenetic relationships of *Noturus stanauli* and *N. crypticus* (Siluriformes: Ictaluridae), two imperiled freshwater fish species from the southeastern United States. *Copeia*, 2006, 378–383.
- Ng, H.H. (2006) A Phylogenetic Analysis of the Asian Catfish Family Sisoridae (Teleostei: Siluriformes), and the Evolution of Epidermal Characters in the Group. Unpublished Ph.D. dissertation, University of Michigan, Ann Arbor.
- Ng, H.H. (2006) *Erethistoides infuscatus*, a new species of catfish (Teleostei: Erethistidae) from South Asia. *Ichthyological Explorations of Freshwaters*, 17, 283–287.
- Erethistoides infuscatus* Ng, 2006: 284, fig. 1. Type locality: India: Meghalaya, East Khasi Hills, Umsing River. Holotype: UMMZ 245695.  
Distribution: Brahmaputra and Meghna River drainages, northeast India and Bangladesh.
- Ng, H.H. (2006) The identity of *Batasio tengana* (Hamilton, 1822), with the description of two new species of *Batasio* from north-eastern India (Teleostei: Bagridae). *Journal of Fish Biology*, 68 (suppl. A), 101–118.
- Batasio tengana* Hamilton, 1822: Neotype designated by Ng, 2006: 103, fig. 1. Type locality: India: West Bengal: Tista River at Tista barrage; 26°45'10"N; 88°34'11"E. Neotype: UMMZ 244796.  
Distribution: Ganges and Brahmaputra River basins.
- Batasio fasciolatus* Ng, 2006: 107, fig. 4. Type locality: India: West Bengal, market at Malbazar: 26°32'30"N; 88°44'17"E. Holotype: UMMZ 244798.  
Distribution: Tista River basin, Brahmaputra River system.
- Batasio spilurus* Ng, 2006: 110, fig. 5. Type locality: India: Assam, Dibrugarh district, 27°29'N; 94°54'E. Holotype: ZRC 49133.  
Distribution: Brahmaputra River basin (Ng, 2006).
- Ng, H.H. (2006) *Pseudecheneis suppaetula*, a new species of glyptosternine catfish (Teleostei: Sisoridae) from India. *Zootaxa*, 1267, 59–68.
- Pseudecheneis suppaetula* Ng, 2006: 60, fig. 1. Type locality: India: Himachal Pradesh, Ganges River drainage, upper reaches of Giri River, in Chhaila area (in the vicinity of Kotkhai), 31°6'15"N 77°25'56"E. Holotype: NRM 36977.  
Distribution: Ganges River basin, Himachal Pradesh, India.
- Ng, H.H. (2006) *Akysis longifilis*, a new species of catfish (Teleostei: Akysidae) from Myanmar. *Zootaxa*, 1150, 19–30.
- Akysis longifilis* Ng, 2006: 20, fig. 1. Type locality: Myanmar: Bago division, Pyu township, Pyu stream (tributary of Sittang River) ca. 229 km from Yangon, 18°29'N, 96°26'E. Holotype: UMMZ 246172.  
Distribution: Sittang River basin, Myanmar.
- Ng, H.H. (2006) The identity of *Pseudecheneis sulcata* (M'Clelland, 1842), with descriptions of two new species of rheophilic catfish (Teleostei: Sisoridae) from Nepal and China. *Zootaxa*, 1254, 45–68.
- Pseudecheneis eddsi* Ng, 2006: 51, fig. 4. Type locality: Nepal: Tanahun, Khairenitara, Seti River (Ganges River drainage), 28°2'0.0"N 84°4'0.0"E. Holotype: KU 36872.  
Distribution: Gandaki River basin, Nepal.
- Pseudecheneis stenura* Ng, 2006: 57, fig. 5. Type locality: China: Yunnan, Baoshan Prefecture, Longchuanjiang at Lianmengjie bridge (Irrawaddy River drainage). Holotype: KIZ 199811999.  
Distribution: Irrawaddy River basin, Yunnan, China.
- Ng, H.H. (2006) *Pseudolaguvia ferula*, a new species of sisoroid catfish (Teleostei: Erethistidae) from India. *Zootaxa*, 1229, 59–68.
- Pseudolaguvia ferula* Ng, 2006: 60, fig. 1. Type locality: India: West Bengal, Tista River at Tista Barrage, 26°45'10"N

88°34'11"E. Holotype: UMMZ 245985.  
Distribution: Tista River, West Bengal, India.

Ng, H.H. & Bailey, R.M. (2006) *Chiloglanis productus*, a new species of suckermouth catfish (Siluriformes: Mochokidae) from Zambia. *Occasional Papers of the University of Michigan Museum of Zoology*, 738, 1–13.

*Chiloglanis productus* Ng, & Bailey, 2006: 2, figs. 1–3. Type locality: Zambia: Lunzua stream, 11.3 km SSE of Mpu-lungu, about 1 km N of bridge on Mbala–Mpulungu road, 8°49'S 31°10'E. Holotype: UMMZ 199816.  
Distribution: Lunzua River basin, Lake Tanganyika drainage, Zambia.

Ng, H.H. & Lim, K.K.P. (2006) Two new species of *Leiocassis* (Teleostei: Bagridae), riverine catfishes from northeast Borneo. *Ichthyological Exploration of Freshwaters*, 17, 165–172.

*Leiocassis collinus* Ng & Lim, 2006: 166, fig. 1. Type locality: Borneo: Sabah: Danum Valley, Segama River drainage, Sungai Palum Tambun, tributary of Sungai Segama, upstream of Danum Valley Field Center. Holotype: ZRC 46154.  
Distribution: Kalabakan and Segama River basins, Sabah, Borneo.

*Leiocassis tenebricus* Ng & Lim, 2006: 166, fig. 1. Type locality: Borneo: Kalimantan Timur: Kayan River drainage, Sungai Nah, tributary to Kayan River ca. 20 minutes upstream of confluence with Iwan River, 1°57'43.2"N 115°6'35.4"E at 550 m asl.; Holotype: MZB 10718.

Distribution: Kayan River basin, northeastern Borneo.

Ortega-Lara, A. & Lehmann A., P. (2006) *Cruciglanis*, a new genus of pseudopimelodid catfish (Ostariophysi: Siluriformes) with description of a new species from the Colombian Pacific coast. *Neotropical Ichthyology*, 4, 147–156.

*Cruciglanis* Ortega-Lara & Lehmann, 2006: 149. Type species: *Cruciglanis pacifici* Ortega-Lara & Lehmann, 2006, by original designation. Gender: Masculine.

*Cruciglanis pacifici* Ortega-Lara & Lehmann, 2006: 150, fig. 1. Type locality: Colombia, Valle del Cauca Department, near Buenaventura city, San Cipriano River where it crosses San Cipriano village, confluence of the La Sardina stream, approximately 500 m before the confluence with Dagua River, Dagua River basin, 03°50.543'N 76°54.068'W, 84 m of altitude. Holotype: IMCN 2359.

Distribution: Dagua River basin and Anchicayá River basin, Pacific versant, Colombia.

Parisi, B.M., Lundberg, J.G. & DoNascimento, C. (2006) *Propimelodus caesius* a new species of long-finned pimelodid catfish (Teleostei: Siluriformes) from the Amazon Basin, South America. *Proceedings of the Academy Of Natural Sciences, Philadelphia*, 155, 67–78.

*Propimelodus caesius* Parisi, Lundberg & DoNascimento, 2006: 68, figs. 1–2. Type locality: Brazil, Pará State, Rio Amazonas above Rio Trombetas, 20 km above Obidos, collected with 3 m bottom trawl in channel 4–7 m deep, 1°56'07.3"S, 55°41'18.5"W. Holotype: MZUSP 88582.

Distribution: Amazon River main stem and lower reaches of many tributary rivers, Brazil and Peru.

Peng, Z.-G., Ho, S.-W., Zhang, Y.-G. & He, S.-P. (2006) Uplift of the Tibetan plateau: Evidence from divergence times of glyptosternoid catfishes. *Molecular Phylogenetics and Evolution*, 39, 568–572.

Provenzano, F. & Milani, N. (2006) *Cordylancistrus nephelion* (Siluriformes, Loricariidae), a new and endangered species of suckermouth armored catfish from the Tuy River, north-central Venezuela. *Zootaxa*, 1116, 29–41.

*Cordylancistrus nephelion* Provenzano & Milani, 2006: 31, figs. 1–2. Type locality: Venezuela, Caribbean Sea basin, Tuy River system, Mesia River, tributary of the Guare River, near Village Corocito, approximately 10°12'N, 67°05'W. Holotype: MBUCV-V-21800.

Distribution: Tuy River basin, Venezuela (Provenzano & Milani, 2006).

Key: species of *Cordylancistrus* on p. 38.

Reis, R.E. & Borges, T.A.K. (2006) The South American catfish genus *Entomocorus* (Ostariophysi: Siluriformes: Auchenipteridae), with the description of a new species from the Paraguay River basin. *Copeia*, 2006, 412–422.

*Entomocorus radiosus* Reis & Borges, 2006: 416, figs. 6–7. Type locality: Brazil, Mato Grosso, Rio Paraguay at neighborhood of Cáceres, approx. 16°03'S, 057°42'W. Holotype: MCP 35902.

Distribution: Paraguay River basin (Reis & Borges, 2006).

Key: species of *Entomocorus* p. 419.

Reis, R.E., Pereira, E.H.L. & Armbruster, J.A.W. (2006) Delturinae, a new loricariid catfish subfamily (Teleostei, Siluriformes), with revisions of *Delturus* and *Hemipsilichthys*. *Zoological Journal of the Linnean Society*, 147, 277–299.

*Delturus brevis* Reis & Pereira, 2006: 295, fig. 12. Type locality: Rio Araçuaí upstream of its mouth on Rio Jequitinhonha, Araçuaí, Minas Gerais, Brazil. Holotype: MZUSP 69858.

- Distribution: Jequitinhonha River basin, Minas Gerais, Brazil.
- Delturinae new subfamily Armbruster, Reis & Pereira, 2006: 279. Type genus: *Delturus* Eigenmann & Eigenmann, 1889.
- Key: subfamilies of Loricariidae, p. 279.
- Key: *Hemipsilichthys* on p. 281.
- Delturus parahybae* Lectotype: MCZ 7726, designated on p. 293.
- Delturus angulicauda* Lectotype: NMW 44069, designated on p. 288.
- Hemipsilichthys papillatus* holotype illustrated on p. 285, fig. 6.
- Hemipsilichthys nimius* holotype illustrated on p. 287, fig. 8.
- Retzer, M. E. (2006) A new species of *Farlowella* Eigenmann and Eigenmann (Siluriformes: Loricariidae), a stick catfish from Bolivia. *Zootaxa*, 1282, 59–68.
- Farlowella altocorpus* Retzer, 2006: 60, figs. 1, 2. Type locality: Bolivia: La Paz State: Río Beni Basin: Río Coroico, Caranavi. Holotype: INHS 99773.
- Distribution: Coroico River, Beni River basin, Bolivia.
- Salcedo, N.J. (2006) New species of *Chaetostoma* (Siluriformes: Loricariidae) from central Peru. *Copeia*, 2006, 60–67.
- Chaetostoma changae*, Salcedo, 2006: 61, fig. 1. Type locality: Peru, Departamento de Huánuco, vicinity of Tingo María, back-water near Puerto Nuevo, flowing into Río Tullamayo, 09°18'S, 75°59'W, 649 m. Holotype: ANSP 179125.
- Distribution: Huallaga River basin at Tingo María, Peru.
- Salcedo, N.J. (2006) Two new species of *Chaetostoma* (Siluriformes: Loricariidae) from the Huallaga River in central Peru. *Ichthyological Exploration of Freshwaters*, 17, 207–220 [not seen].
- Chaetostoma daidalmatos* Salcedo, 2006
- Chaetostoma stroumpoulos* Salcedo, 2006
- Sarmiento-Soares, L.M., Martins-Pinheiro, R.F., Aranda, A.T. & Chamon, C.C. (2006) *Microglanis pataxo*, a new catfish from southern Bahia coastal rivers, northeastern Brazil (Siluriformes: Pseudopimelodidae). *Neotropical Ichthyology*, 4, 157–166.
- Microglanis pataxo* Sarmiento-Soares, Martins-Pinheiro, Aranda & Chamon, 2006: 158, Fig. 1. Type locality: Brazil, Bahia: Itamarajú, Jundiá creek on road BR-101 after joint with road to Jucuruçu, in the neighbourhoods of the city of Itamaraju (17°01'35"S 39°35'57"W). Holotype: MNRJ 28397.
- Distribution: Peruípe, Jucuruçu and Cahy Rivers, northeastern Brazil.
- Sarmiento-Soares, L.M., Martins-Pinheiro, R.F., Aranda A.T. & Chamon, C.C. (2006) *Ituglanis cahyensis*, a new catfish from Bahia, Brazil (Siluriformes: Trichomycteridae). *Neotropical Ichthyology*, 4, 309–318.
- Ituglanis cahyensis* Sarmiento-Soares, Martins-Pinheiro, Aranda & Chamon, 2006: 310, fig. 1. Type locality: Brazil, Bahia: Prado, rio Palmares on road Guarany- Corumbau, in direction to Corumbau after the joint with the road to the mouth of rio Cahy, (16°57'48"S, 39°16'33"W). Holotype: MNRJ 28404.
- Distribution: Palmares River, Cahy River basin, Southeastern Bahia State, Brazil.
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- Tamang, L., Chaudhury, S. & Chauhury, D. (2006) On a new record of freshwater fish, *Pseudolaguvia shawi* (Hora) from Arunachal Pradesh, India (Teleostomi, Erethistidae). *Zoos' Print Journal*, 21 (11), 2443–2446.
- Thomson, A.W. & Page, L.M. (2006) Genera of the Asian catfish families Sisoridae and Erethistidae (Teleostei: Siluriformes). *Zootaxa*, 1345, 1–90.
- Diagnoses and review of named taxa above species level.
- Synonymy of *Hara* and *Erethistes*.
- Vari, R. P. & Ferraris, C.J., Jr. (2006) The Catfish genus *Tetranematichthys* (Auchenipteridae). *Copeia*, 2006, 168–180.
- Tetranematichthys wallacei* Vari & Ferraris, 2006: 169, figs. 1a, 2, 4. Type locality: Brazil, Amazonas, upper Rio Negro, São Pedro, mouth of Igarapé do Ibará, approximately 0°15'S, 66°46'W. Holotype: MZUSP 31096,
- Distribution: Orinoco, Negro Amazon and Tocantins River basins.
- Villa-Verde, L. & Costa, W.J.E.M. (2006) A new glanapterygine catfish of the genus *Listrura* (Siluriformes: Trichomycteridae) from the southeastern Brazilian coastal plains. *Zootaxa*, 1142, 43–50.

- Listrura picinguabae* Villa-Verde & Costa, 2006: 44, figs. 1–3. Type locality: Brazil: Estado de São Paulo: Município de Ubatuba, serra do Mar, Picinguaba, small stream tributary to rio da Fazenda, on small road near Km 11 of the road BR-101, Parque Estadual da Serra do Mar, about 23°20'S 44°45'W. Holotype: UFRJ 6111, 48.6 mm SL. Distribution: da Fazenda River tributaries, São Paulo State, southeastern Brazil.
- Vishwanath, W. & Darshan, A. (2006) A new species of the genus *Batasio* Blyth (Teleostei: Bagridae) from Manipur, India. *Zoos' Print Journal*, 21, 2160–2163.
- Batasio niger* Vishwanath & Darshan, 2006: 2160, fig. 1. Type locality: Khujailok stream, Chandel district, Manipur, India. Holotype: MUMF 9028. Distribution: Chindwin River basin, Manipur, India. Remarks: Publication includes illustration of tooth plates only; illustration of holotype available only on web version of paper.
- Wright, J.J. & Page, L.M. (2006) Taxonomic revision of Lake Tanganyikan *Synodontis* (Siluriformes: Mochokidae). *Florida Museum of Natural History Bulletin*, 46, 99–154.
- Synodontis grandioops* Wright & Page, 2006: 109, figs. 3c, 8, 9, 10. Type locality: Mwakizega coastline, L. Tanganyika. Holotype: BMNH 1982.4.13.4785. Distribution: Lake Tanganyika.
- Synodontis ilebrevis* Wright & Page, 2006: 117, figs. 5d, 13, 14, 15. Type locality: Lake Tanganyika at Chaitika, Zambia. Holotype: UF 160942. Distribution: Lake Tanganyika, only from the Cape Chaitika area, Zambia.
- Synodontis lucipinnis* Wright & Page, 2006: 126, figs. 4a, 17, 18. Type locality: Zambia, Mpulungu, Musende Rocks, 08°46'00"S, 031°51'00"E. Holotype: SAIAB 39577. Distribution: Lake Tanganyika, only from the Musende Rocks area, Zambia. Key: *Synodontis* species of Lake Tanganyika.

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