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THE GENERA OF FISHES

PART III.

FROM GUENTHER TO GILL, 1859-1880, TWENTY-TWO YEARS,
WITH THE ACCEPTED TYPE OF EACH.

A CONTRIBUTION TO THE STABILITY OF SCIENTIFIC NOMENCLATURE

BY

DAVID STARR JORDAN

Chancellor-Emeritus of Stanford University

Member of the International Commission of Zoological Nomenclature

STANFORD UNIVERSITY, CALIFORNIA
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- CATALOGUE DE TOUS LES LIVRES DE FEU M. CHAPELAIN. (Bibliothèque Nationale, Fonds Français, Nouv. Acq., No. 318.) Colbert Searles, Associate Professor of Romanic Languages. 119 pp., 2 plates. 1912. Price 75c.
- THE DUDLEY MEMORIAL VOLUME. Papers by William Russell Dudley, late Professor of Botany, and Several Colleagues. 137 pp., 12 text figures, 9 plates. 1913. Price \$1.00.
- THE FISHES OF THE STANFORD EXPEDITION TO BRAZIL. Edwin Chapin Starks, Assistant Professor of Zoology. 77 pp., 15 plates. 1913. Price 75c.
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- A MORPHOLOGICAL STUDY OF SOME MEMBERS OF THE GENUS PALLAVICINIA. Douglas Houghton Campbell, Professor of Botany, and Florence Williams. 44 pp., 23 text figures. 1914. Price 50c.
- THE EVOLUTION OF BRAZIL COMPARED WITH THAT OF SPANISH AND ANGLO-SAXON AMERICA. Manuel de Oliveira Lima, Minister of Brazil to Belgium. 160 pp. 1914. Price \$1.00.
- THE HEMOLYMPH NODES OF THE SHEEP. Arthur William Meyer, Professor of Anatomy. 74 pp., 1 plate, 4 colored plates. 1914. Price \$1.00.
- AN INTRODUCTION TO THE STUDY OF THE ENDOCRINE GLANDS AND INTERNAL SECRETIONS. (Lane Medical Lectures.) Sir Edward Schäfer, Regius Professor of Physiology in the University of Edinburgh. 94 pp., 1914. Price 75c.
- THE PRONOUN OF ADDRESS IN ENGLISH LITERATURE OF THE THIRTEENTH CENTURY. Arthur Garfield Kennedy, Instructor in English Philology. 91 pp. 1915. Price \$1.00.
- THE ANOPLURA AND MALLOPHAGA OF NORTH AMERICAN MAMMALS. Vernon Lyman Kellogg, Professor of Entomology, and Gordon Floyd Ferris. 74 pp., 18 text figures. 8 plates. 1915. Price 75c.

(Continued on third page of cover.)

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PRESS

INTRODUCTORY NOTE

The present memoir is the third part of a catalogue of the generic names applied to fishes subsequent to January 1, 1858. With the other parts it is a contribution to the stability of scientific nomenclature, the genera being listed in order of date accompanied by the indication of the type species of each.

The first part (1758 to 1833) was intended to serve as an aid to the International Commission of Zoological Nomenclature by bringing together the generic names of fishes as proposed in the formative period of classification, together with the data by which authors who failed to conform to the Linnæan system could be considered, each on his merits. I had at first no intention of continuing the series beyond 1833, but the data gathered for the first part seemed to make the compilation of the catalogue worth while.

Part II covers what I have termed the mediæval period of taxonomy—from 1833 to 1858, this completing the first century of names in ichthyology.

Part III represents the early modern period, dating from Darwin's "Origin of Species" in 1858. In this epoch most authors began to see that the fundamental basis of classification must be genetic and that the problems involved in a natural grouping are vastly more complex than appeared to the earlier authors. To paraphrase a saying of Dr. Elliott Coues, genera and species are but larger and smaller twigs of a tree which we try to arrange as nearly as possible in accordance with nature's ramifications.

This view applied to taxonomy involved an extensive subdivision of accepted genera, the genus becoming a genetic conception rather than a convenient pigeon-hole into which to throw species.

The effort to reform classification in Ichthyology was undertaken almost simultaneously by three eminent systematists, Dr. Pieter Bleeker of Java, Dr. Albert Günther of the British Museum, and Dr. Theodore Gill of the Smithsonian Institution. Of these writers Dr. Bleeker had by far the greatest experience in field work, but his use of the writings of other authors was not discriminating, and the names he chose for genera, though technically correct, were largely clumsy and tasteless. Dr. Günther had at his disposal a greater range of material than any other contemporary writer. His groupings were, however, of unequal value,

and he was more distinctly "conservative" than either Bleeker or Gill. It has long been a sort of tradition in the British Museum that whatever is not found there probably does not exist. Dr. Gill saw more clearly than either of the other two the nature of the classification of the future. His generic names have as a rule a sound basis, the exceptions being mainly among those based on erroneous records of other writers.

In addition to the large expansion of generic names among species already known, the years between 1858 and 1880 mark great accessions of knowledge of the life of the oceanic depths, a series of discoveries due mostly to the voyages of the Challenger and the Albatross, and made known in England by Dr. Günther, and in America by Goode and Bean. To this period belong also the extensive studies of the fresh-water fishes of the United States and the marine fishes of the Eastern Pacific as conducted by Jordan and Gilbert. Most of the excellent papers of Franz Steindachner in Vienna, Léon Vaillant in Paris, Christian F. Lütken in Copenhagen, and Joseph Leidy and Edward D. Cope in Philadelphia, occur in this period.

I express again my obligations to Barton A. Bean of the United States National Museum, to Masamitsu Oshima, now Scientific Expert of the Fisheries Bureau at Taihoku, Formosa, and to Henry Weed Fowler of the Academy of Natural Sciences of Philadelphia for assistance in verifying records and in examining rare publications. Dr. Louis Hussakof of New York, Theodore D. A. Cockerell of Boulder, Colorado, Allan R. McCulloch, Edgar R. Waite, and J. Douglas Ogilby have also furnished valuable notes. I am again indebted to Mr. R. A. Nelgner of the Stanford University Press for his efforts in securing accuracy and in the preparation of the index. My obligations to Weber and de Beaufort's *Index of the Ichthyological Papers of P. Bleeker*, to Bashford Dean's *Bibliography of Fishes*, to Oliver Perry Hay's *Fossil Vertebrata of North America*, and to Arthur Smith Woodward's *Catalogue of the Fossil Fishes in the British Museum* have been great and constant.

DAVID STARR JORDAN.

STANFORD UNIVERSITY, CALIFORNIA,
August 10, 1919; Issued October 25, 1919.

THE GENERA OF FISHES

PART III

1859

638. ANDERSON (1859). (*On the Fossil Fishes and Yellow Sandstone.*) Dura Den.
JOHN ANDERSON.
Glyptolæmus (Huxley) Anderson, 63; orthotype G. KINAIRDI Huxley (fossil).
A synonym of GLYPTOPOMUS Ag.
Phaneropleuron (Huxley) Anderson, 67; orthotype P. ANDERSONI Huxley (fossil).
639. BLEEKER (1859). *Over eenige vischsoorten van de zuidkust-wateren van Java.* Nat. Tijdschr. Neder.-Indie, XIX, 1859, 329-352.
PIETER BLEEKER.
Scarichthys Bleeker, 334; orthotype SCARUS NÆVIUS Blkr.
640. BLEEKER (1859). *Vischsoorten van Siam.* . . . door Fr. Castelnau.
Nat. Tijdschr. Neder.-Indie, XX.
PIETER BLEEKER.
Balantiocheilus Bleeker, 102; orthotype B. MELANOPTERUS Blkr.
Morara Bleeker, 102; orthotype CYPRINUS MORAR Ham. = MORARA SIAMENSIS Blkr.
A synonym of ASPIDOPARIA Heckel.
Acanthobrama, Bleeker, 102; orthotype A. SIMONI Blkr.
Pseudoxiphophorus Bleeker, 102; orthotype XIPHOPHORUS BIMACULATUS Steind.
641. BLEEKER (1859). *Conspectus systematis Cyprinorum.* Nat. Tijdschr. Neder.-Indie, XX, 421-441. (In this brief synopsis no types are indicated. These are supplied in the *Atlas*, 1863.)
PIETER BLEEKER.
Lissorhynchus Bleeker, 422; tautotype GOBIO LISSORHYNCHUS Ham. Recorded later by Bleeker as a synonym of GARRA Ham.
Diplocheilichthys Bleeker, 423; orthotype LOESCHEILUS PLEUROLENIA Blkr.
Discognathichthys Bleeker, 423; orthotype probably DISCOGNATHUS RUFUS Heckel (= CYPRINUS LAMTA Ham.) (not verified). Said by Bleeker to be a synonym of GARRA Ham. = DISCOGNATHUS Heckel.
Barbichthys Bleeker, 424; orthotype B. LEVIS Blkr.
Rohitichthys Bleeker, 424; orthotype LABEO SENEGALENSIS Cuv. & Val.
Chrysophekadion Bleeker, 424; orthotype ROHITA CHRYSOPHEKADION Blkr. = C. POLYPOROS Blkr. A synonym of MORULIUS or of LABEO.
Semiplotus Bleeker, 424; orthotype CYPRINUS SEMIPLLOTUS McCl.
Opistocheilus Bleeker, 425; orthotype O. PROPRIUS Blkr. = SCHIZOTHORAX PLAGIOSTOMUS Heckel. A synonym of SCHIZOTHORAX Heckel.
Pseudogobio Bleeker, 425; orthotype GOBIO ESCINUS T. & S.
Mrigala Bleeker, 427; orthotype CYPRINUS MRIGALA Ham. = M. NINENSIS Blkr.
A synonym of CIRRHINA Cuv.

- Acheilognathus** Bleeker, 427; orthotype *A. MELANOGASTER* Blkr.
Smiliogaster Bleeker, 428; orthotype *LEUCISCUS BELANGERI* Cuv. & Val. A synonym of *ROHTEE* Sykes.
Amblyrhynchichthys Bleeker, 430; orthotype *BARBUS TRUNCATUS* Blkr.
Albulichthys Bleeker, 430; orthotype *SYSTEMUS ALBULOIDES* Blkr.
Tambra Bleeker, 430; orthotype *CYPRINUS ABRAMIOIDES* Sykes.
Gonoproktopterus Bleeker, 430; orthotype *BARBUS KOLUS* Sykes. Same as *HYPSELOBARBUS* Blkr.
Hypselobarbus Bleeker, 430; orthotype *H. TYPUS* Blkr.
Hemibarbus Bleeker, 431; orthotype *GOBIO BARBUS* T. & S.
Rotheichthys Bleeker, 431; orthotype *R. MICROLEPIS* Blkr.
Pseudophoxinus Bleeker, 431; orthotype *PHOXINELLUS ZEREGI* Heckel.
Barbodes Bleeker, 431; orthotype *SYSTEMUS BELINKA* McCl.
Anematischthys Bleeker, 431; orthotype *BARBUSA APOGON* Kuhl.
Siaja Bleeker, 431; tautotype *CAPOËTA SIAJA* Blkr.
Cyclocheilichthys Bleeker, 431; orthotype *C. ARMATUS* Blkr.
Pseudoculter Bleeker, 432; orthotype *CULTER PEKINENSIS* Basil.
Hemiculter Bleeker, 432; orthotype *CULTER LEUCINOCULUS* Basil.
Chanodichthys Bleeker, 432; orthotype *LEPTOCEPHALUS MONGOLICUS* Basilewsky.
Leptobarbus Bleeker, 432; orthotype *BARBUS HOEVENI* Blkr.
Trinematischthys Bleeker, 433; orthotype *LEUCISCUS TRINEMA* Blkr. A synonym of *LUCIOSOMA* Blkr.
Amblypharyngodon Bleeker, 433; orthotype; *CYPRINUS MOLA* Ham.
Hypophthalmichthys Bleeker 433; orthotype *LEUCISCUS MOLITRIX* Cuv. & Val. Replaces *ABRAMOCEPHALUS* Steind.
Devario Bleeker 433; tautotype *PERILAMPUS DEVARIO* Ham. A synonym of *DANIO* Ham.
Thynnichthys Bleeker, 433; orthotype *LEUCISCUS THYNNOIDES* Blkr.
Sarcocheilichthys Bleeker, 435; orthotype *LEUCISCUS VARIEGATUS* T. & S.
Pseudorasbora Bleeker, 435; orthotype *LEUCISCUS PARVUS* T. & S.
Rasbora Bleeker, 435; tautotype *CYPRINUS RASBORA* Ham.
Gnathopogon Bleeker, 435; orthotype *CAPOËTA ELONGATA* T. & S. Replaces *SQUALIDUS* Dybowski and *LEUCOGOBIO* Gthr.
Rasborichthys Bleeker, 435; orthotype *LEUCISCUS HELFRICHI* Blkr.
Elopichthys Bleeker, 436; orthotype *LEUCISCUS BAMBUSA* Rich.
Shacra Bleeker, 437; tautotype *CYPRINUS SHACRA* Ham.
Bendilisis Bleeker, 437; orthotype *CYPRINUS BENDELISIS* Ham. A synonym of *BARILIUS* Ham.
Iaus (Heckel) Bleeker 438; a misprint for *IDUS*.
Laubuca Bleeker, 438, tautotype *CYPRINUS LAUBUCA* Blkr.
Fundulichthys Bleeker, 439; orthotype *FUNDULUS VIRESCENS* T. & S.
Macrochirichthys Bleeker, 439; orthotype *M. URANOSCOPIUS* Blkr.
Hemixiphophorus Bleeker, 440; (type not named). A synonym of *GAMBUSIA* Poey.

642. BLEEKER (1859). (*Palinurichthys*.) Enumeratio piscium archipelago Ind.
 PIETER BLEEKER.

- Palinurichthys** Bleeker, 22 (Nov., 1859); orthotype *CORYPHÆNA PERCIFORMIS* Mitchell. A substitute for *PALINURUS* Dekay, preoccupied.

643. BLEEKER (1859). (*Pterichthyodes*.) Verh. Nat. Hist. Indie, VI.
PIETER BLEEKER.
Pterichthyodes Bleeker, xi; orthotype PTERICHTHYS MILLERI Ag. (fossil). Substitute for PTERICHTHYS Ag., preoccupied.
644. BLYTH (1859). (*Andamia*.) Journ. Asiat. Soc. Bengal, 1858.
EDWARD BLYTH.
Andamia Blyth, 270; orthotype A. EXPANSA Blyth.
645. FILIPPI & VERANY (1859). *Sopra alcuni pesci nuovi o poco noti del Mediterraneo*. Mem. Accad. Sci. Torino, 1859, 2. ser., XVIII.
FILIPPO DE FILIPPI; J. B. VERANY.
Navarchus Filippi & Verany, XVIII, 7; orthotype N. SULCATUS. Filippi & Verany.
A synonym of PSENES Cuv. & Val.
- Pteridium** Filippi & Verany, XVIII, 11; orthotype OLIGOPUS ATER Risso. (Not PTERIDIUM of Scopoli). Replaced by VERATER Jordan, 1919.
646. GILL (1859). *Description of a New Generic Form of Gobiinae from the Amazon River*. Ann. Lyc. Nat. Hist. N. Y., 1858-1862, VII, 45-48.
THEODORE NICHOLAS GILL.
Euctenogobius Gill, 45; orthotype E. BADIUS Gill.
647. GILL (1859). *Description of a New Genus of Salarianae from the West Indies*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
This and the papers which follow were printed in 1859 when probably extras were issued. The publication as a whole was in 1860.
- Entomacrodus** Gill, 168; orthotype E. NIGRICANS Gill.
648. GILL (1859). *Description of New South American Type of Siluroids, Allied to Callophysus*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
Pimelotopsis Gill, 196; orthotype P. LATERALIS Gill = CALLOPHYSUS MACROPTERUS.
A synonym of CALLOPHYSUS M. & T.
649. GILL (1859). *Description of a Third Genus of Hemirhamphinae*. Proc. Acad. Nat. Sci. Phila. (1859) 1860.
THEODORE NICHOLAS GILL.
Euleptorhamphus Gill, 156; orthotype E. BREVOORTI Gill.
650. GILL (1859). *Description of a Type of Gobioids Intermediate Between Gobiinae and Tridontigerinae*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
Evorthodus Gill, 195; orthotype E. BREVICEPS Gill.
651. GILL (1859). *Description of Hyporhamphus, a New Genus of Fishes Allied to Hemirhamphus Cuv.* Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
Hyporhamphus Gill, 131; orthotype H. TRICUSPIDATUS Gill.
652. GILL (1859). *Description of New Generic Types of Cottoids, from the Collection of the North Pacific Exploring Expedition Under Com. John Rodgers*. Proc. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.

- Boreocottus** Gill, 165; orthotype *B. AXILLARIS* Gill. A synonym of *MYOXOCEPHALUS* Steller.
- Ceratocottus** Gill, 165; orthotype *COTTUS DICERAUS* Pallas.
- Porocottus** Gill, 166; logotype *P. QUADRIFILIS* Gill.
653. GILL (1859). *On Dactyloscopus and Leptoscopus, Two New Genera of the Family of Uranoscopidae*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
- Dactyloscopus** Gill, 132; orthotype *D. TRIDIGITATUS* Gill.
- Leptoscopus** Gill, 133; orthotype *URANOSCOPIUS MACROPYGOS* Rich.
654. GILL (1859). *On the Genus Callionymus of Authors*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
- Synchiropus** Gill, 129; orthotype *CALLIONYMUS LATERALIS* Rich.
- Dactylopus** Gill, 130; orthotype *CALLIONYMUS DACTYLOPUS* Bennett = *DACTYLOPUS BENNETTI* Gill, not *DACTYLOPUS*, 1862, a genus of crustacea. Replaces *VULSUS* Gthr.
655. GILL (1859). *Notes on a Collection of Japanese Fishes, Made by Dr. J. Morrow*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).
THEODORE NICHOLAS GILL.
- Acanthogobius** Gill, 145; orthotype *GOBIOUS FLAVIMANUS* T. & S.
- Rhinogobius** Gill, 145; orthotype *R. SIMILIS* Gill.
- Glossogobius** Gill, 146; orthotype *GOBIOUS PLATYCEPHALUS* Rich.
- Luciogobius** Gill, 146; orthotype *L. GUTTATUS* Gill.
656. GIRARD (1859). *Ichthyological Notices*. Proc. Acad. Nat. Sci. Phila., 1858 (1859).
CHARLES FRÉDÉRIC GIRARD.
- Pterognathus** Girard, 57; orthotype *NEOCLINUS SATIRICUS* Grd., hypothetical name, revived by Jordan & Evermann (1896).
- Myrichthys** Girard, 58; orthotype *M. TIGRINUS* Grd.
- Typhlichthys** Girard, 63; haplotype *T. SUBTERRANEUS* Grd.
- Arlina** Girard, 64; haplotype *A. EFFULGENS* Grd. Same as *BOLEOSOMA* Dekay, 1842.
- Estrella** Girard, 64; orthotype *E. ATROMACULATA* Grd. A synonym of *BOLEOSOMA* Dekay.
- Oligocephalus** Girard, 67; haplotype *A. LEPIDUS* Grd.
- Alvordius** Girard, 68; haplotype *ALVORDIUS MACULATUS* Grd. A section of *HADROPTERUS* Ag.
- Alvarius** Girard, 101; haplotype *A. LATERALIS* Grd.
- Boleichthys** Girard, 103; logotype *B. EXILIS* Grd.
- Adinia** Girard, 117; haplotype *A. MULTIFASCIATA* Grd.
- Lucania** Girard, 118; haplotype *LUCANIA VENUSTA* Grd.
657. GIRARD (1859). *Fishes*. (In *General Report Upon Zoology of the Several Pacific Railroad Routes*. 1857.)
CHARLES GIRARD.
- Nautichthys** Girard, 74; orthotype *BLEPSIAS OCULOFASCIATUS* Grd.
- Xiphidion** Girard, 119; orthotype *X. MUCOSUM* Grd. Name preoccupied as *XIPHIDIUM*, replaced by *XIPHISTER* J. & G., 1880.
- Thaleichthys** Girard, 325; orthotype *P. STEVENSI* Grd. = *SALMO PACIFICUS* Rich.

Ichthyomyzon Girard, 379; logotype *PETROMYZON ARGENTUS* Kirtland = *AMMO-
CETES CONCOLOR* Kirtland.

Scolecossoma Girard, 384; haplotype *AMMOCETES CONCOLOR* Kirtland. Larva of
ICHTHYOMYZON Grd.

658. GIRARD (1859). *Notes Upon Various New Genera and New Species of
Fishes, in the Museum of the Smithsonian Institution, and Collected in
Connection with the United States and Mexican Boundary Survey, Major
William Emory, Commissioner.* Proc. Acad. Nat. Sci. Phila., 1858 (1859),
167-171.

CHARLES GIRARD.

Neomænis Girard, 167; orthotype *LOBOTES EMARGINATUS* Baird & Grd. = *LABRUS
GRISEUS* L.

Orthopristis Girard, 167; orthotype *O. DUPLEX* Grd. = *PERCA CHRYSOPTERA* L.

Carangus Girard, 168; tautotype *CARAX CARANGUS* Cuv. & Val. = *SCOMBER
HIPPOS* L. Same as *CARANGUS* Griffith. A synonym of *CARANX* Lac., as
restricted.

Doliodon Girard, 168; orthotype *GASTEROSTEUS CAROLINUS* L. A synonym of
TRACHINOTUS Lac.

Chloroscombrus Girard, 168; logotype *SERIOLA COSMOPOLITA* Cuv. & Val. = *SCOMBER
CHRYSURUS* L.

Gobionellus Girard, 168; logotype *G. HASTATUS* Grd.

Neconger Girard, 171; orthotype *N. MUCRONATUS* Grd.

Neomuræna Girard, 171; orthotype *N. NIGROMARGINATA* Grd. A synonym of
MURÆNA L.

658A. GRAY (1859). *Description of a New Genus of Lophobranchiate Fishes
from Western Australia.* Proc. Zool. Soc. London.

JOHN EDWARD GRAY.

Haliichthys Gray, 38; orthotype *H. TENIOPHORUS* Gray.

659. GÜNTHER (1859). *Catalogue of the Acanthopterygian Fishes of the British
Museum.*

ALBERT GÜNTHER (1830-1914).

Anoplogaster Günther, I, 12; orthotype *HOPLOSTETHUS CORNUTUS* Cuv. & Val.

Percalabrax (Schlegel) Günther, I, 71; orthotype *LABRAX JAPONICUS* J. & S.

Trachypoma Günther, I, 167; orthotype *T. MACRACANTHUS* Gthr.

Pogonoperca Günther, I, 169; orthotype *P. OCELLATA* Gthr.

Anyperodon Günther, I, 210; orthotype *SERRANUS LEUCOGRAMMICUS* Cuv. & Val.

Oligorus Günther, I, 251; orthotype *GRYSTES MACQUARIENSIS* Cuv. & Val.

Odontonectes Günther, I, 265; orthotype *CÆSIO ERYTHROGASTER* Kuhl & Van
Hasselt.

Hyperglyphe Günther, I, 337; orthotype *DIAGRAMMA POROSA* Rich.

Synagris (Klein) Günther, I, 373; logotype *DENTEX FURCOSUS* Cuv. & Val. A sec-
tion under *NEMIPTERUS* Sw., not *SYNAGRIS* Klein as restricted.

Pachymetopon Günther, I, 424; orthotype *P. GRANDIS* Gthr.

Proteracanthus Günther, I, 426; orthotype *CRENIDENS SARISSOPHORUS* Cantor.

Tephræops Günther, I, 431; tautotype *CRENIDENS TEPHREOPS* Rich.

Gymnocrotaphus Günther, I, 432; orthotype *G. CURVIDENS* Gthr.

Lembus Günther, I, 505; orthotype *L. MACULATUS* Gthr. A synonym of *GOBIMORUS
Lac.*; *PHILYPNUS* Cuv.

660. GÜNTHER (1859). *On the Reptiles and Fishes Collected by the Rev. H. B. Tristram in Northern Africa*. Proc. Zool. Soc. London, 1859, 469-474.
ALBERT GÜNTHER.
- Haligenes** Günther, 471; orthotype H. TRISTRAMI Gthr. A synonym of **TILAPIA** Smith.
661. HYRTL (1859). *Anatomische Untersuchung des Clarotes (Gonocephalus) heuglini Kner, mit einer Abbildung und einer osteologischen Tabelle der Siluroiden*. Denkschr. Akad. Wiss. Wien, 1859, XVI.
CARL JOSEPH HYRTL.
- Notophthalmus** Hyrtl, XVI, 17; orthotype **HYPOPTHALMUS** MARGINATUS Cuv. & Val. Name preoccupied in Salamanders. A synonym of **HYPOPTHALMUS** Spix.
662. KAUP (1859). *Description of a New Species of Fish, Peristethus rieffeli*. Proc. Zool. Soc. London, 1859, pt. 27.
JOHANN JACOB KAUP.
- Peristethus** Kaup, 103; orthotype P. CATAPHRACTUS. An attempt at amendment of **PERISTEDION** Lac.
663. KNER (1859). *Zur Familie der Characinen*. III. Folge der Ichthyologischen Beiträge. Denkschr. Akad. Wiss. Wien, 1859, XVII.
RUDOLPH KNER (1819-1869).
- Microdus** Kner, XVIII, 151; orthotype **CHILODUS** PUNCTATUS M. & T. Preoccupied, replaced by **CÆNOTROPUS** Gthr., 1864.
- Rhytioidus** Kner, XVII, 165; logotype R. MICROLEPIS Kner.
- Centrophorus** Kner, XVII, 167; orthotype **PAREIODON** MICROPS Kner. Name preoccupied in sharks. Intended as a substitute for **PAREIODON**, on account of an earlier genus, **PARODON**, of different etymology.
- Bryconops** Kner XVII, 179; logotype B. ALBURNOIDES Kner.
664. LEIDY (1859). *Some Remains of Cartilaginous Fishes Discovered by Dr. F. V. Hayden and F. B. Meek in the Carboniferous Formations of Kansas*. Proc. Acad. Nat. Sci. Phila., 1859 (1860), 3.
JOSEPH LEIDY.
- Xystracanthus** Leidy, 3; orthotype X. ARCUATUS Leidy (fossil).
665. PICTET (1859). *Description des fossiles du terrain Neocomien des Voivrons*. Genève, 1859, 1-54.
FRANÇOIS JULES PICTET; PERCIVAL DE LORIOI.
- Spathodactylus** Pictet & Lorioi, III, 2; orthotype S. NEOCOMIENSIS Pictet (fossil).
- Crossognathus** Pictet & Lorioi, III, 27; orthotype C. SABAUDIENSIS Pictet (fossil).
666. RATH (1859). *Beitrag zur Kenntniss der fossilen Fische des Plattenberges im Canton Glarus*. Zeitschr. Deutsch. Geol. Ges., 1859, II, 108-132.
J. J. GERHARD VOM RATH (1830-1888).
- Archæoides** Rath, 112; orthotype A. LONGICOSTATUS Rath (fossil). A synonym of **ARCHÆUS**.
- Thyrsitocephalus** Rath, XI, 114; orthotype T. ALPINUS Rath (fossil).
- Palæogadus** Rath, XI, 126, orthotype P. TROSCHLI Rath (fossil). A synonym of **NEMOPTERYX**.
- Palæobrosmius** Rath, XI, 130; orthotype P. ELONGATUS Rath (fossil). A synonym of **NEMOPTERYX** Ag.

667. STEINDACHNER (1859). *Beiträge zur Kenntniss der fossilen Fischfauna Oesterreichs*. Sitzb. Akad. Wiss. Wien, math.-nat. Cl., 1859, XXXVII, 673-701.
FRANZ STEINDACHNER (1834-).

This is the first of a very long series of papers mostly dealing with individual species and with unusual accuracy. All these papers are illustrated by excellent figures.

- Scorpaenopterus** Steindachner, XXXVII, 694; orthotype *S. SILURIDENS* Steind. (fossil).
Aipichthys Steindachner, XXVIII, 763; orthotype *A. PRETIOSUS* Steind. (fossil).

1860

668. AYRES (1860). *On New Fishes of the California Coast*. Proc. Cal. Acad. Sci., II, 1861.

WILLIAM O. AYRES.

Halias Ayres, II, 52; orthotype *BROSMIUS MARGINATUS* Ayres. Name preoccupied in butterflies; replaced by *BROSOPHYCIS* Gill.

Seriphus Ayres, II, 80; orthotype *S. POLITUS* Ayres.

Camarina Ayres, 81; orthotype *C. NIGRICANS* Ayres. A synonym of *GIRELLA* Gray.

669. BLEEKER (1860). *Over eenige vischsoorten van de Kaap de Goede Hoop*. Nat. Tijdschr. Neder.-Indie, XXI, 1860, 49-80.

PIETER BLEEKER.

Pagrichthys Bleeker, XXI, 60; orthotype *P. CASTELNAUI* Blkr.

670. BLEEKER (1860). *Zesde bijdrage tot de kennis der vischfauna van Japan*. Act. Soc. Sci. Indo-Neerl., VIII.

PIETER BLEEKER.

Pseudobagrus Bleeker, 87; orthotype *BAGRUS AURANTIACUS* Schlegel.

Salangichthys Bleeker, 101; orthotype *SALANX MICRODON* Blkr.

671. BLEEKER (1860). *Achtste bijdrage tot de kennis der vischfauna van Sumatra. Visschen van Benkoelen, Priaman, Tandjong, Palembang en Djambi*. Act. Soc. Sci. Indo-Neerl., VIII, 1860, 1-88.

PIETER BLEEKER.

Cossyphodes Bleeker, 37; orthotype *LABRUS MACRODON* Lac. A synonym of *CHEERODON* Blkr.

Lais Bleeker, 46; orthotype *L. HEXANEMA* Blkr. Name preoccupied by *LAIS* Gistel, 1848, VIII, a substitute for *CYNTHIA*, preoccupied as a genus of *TUNICATES*; replaceable by *LAIDES* Jordan, new name.

Silurodes Bleeker, 47; orthotype *S. HYPOPHTHALMUS* Blkr.

Bagrichthys Bleeker, 54; orthotype *BAGRUS HYPSELOPTERUS* Blkr.

672. BLEEKER (1860). *Negende bijdrage tot de kennis der vischfauna van Sumatra. Visschen uit de Lematang-Enim en van Benkoelen*. Act. Soc. Sci. Indo-Neerl., VIII, 1860, 1-12.

PIETER BLEEKER.

Akysis Bleeker, 234; orthotype *PIMELODUS VARIEGATUS* Blkr.

673. BLEEKER (1860). *Dertiende bijdrage tot de kennis der vischfauna van Bornco*. Act. Soc. Sci. Indo-Neerl., VIII, 1860, 1-64.

PIETER BLEEKER.

Trypauchenichthys Bleeker, XIII, 63; orthotype *T. TYPUS* Blkr.

674. BLEEKER (1860). *Elfde bijdrage tot de kennis der vischfauna van Amboina*. Act. Soc. Sci. Indo-Neerl., VIII, 1860, 1-14.
PIETER BLEEKER.
Scopelosaurus Bleeker, XI, 12; orthotype H. HOEDTI Blkr.
675. BLEEKER (1860). *Dertiende bijdrage tot de kennis der vischfauna van Celebes. Visschen van Bonthain, Badjoa, Sindjai, Lagoesi en Pompenoea*. Act. Soc. Sci. Indo-Neerl., VIII, 1860, 1-60.
PIETER BLEEKER.
Soleichthys Bleeker, 14; orthotype S. HETERORHINOS Blkr.
Macolor Bleeker, 25; orthotype DIACOPE MACOLOR Cuv. & Val. = MACOLOR TYPUS Blkr; replaces PROAMBLYS Gill.
Oxyurichthys Bleeker, 44; orthotype GOBIUS BELOSSO Blkr.
676. BLEEKER (1860). *Ordo Cyprini: Karpers*. Nat. Tijdschr. Neder.-Indie, VII, 1-492.
PIETER BLEEKER.
Girardinichthys Bleeker, 481; orthotype G. INNOMINATUS Blkr. Replaces LIMNURUS Gthr.
677. BLYTH (1860). *On Some Fishes from the Sitang and Tributary Streams*. Journ. Asiat. Soc. Bengal, XXIX, 138-174.
EDWARD BLYTH.
Bogota Blyth, 139; orthotype B. INFUSCATA Blyth. Apparently the young of PRIACANTHUS Cuv., not BOGODA Blkr.
Sciænoïdes Blyth, 139; logotype S. BIAURITUS Blyth (Jan., 1860). Same as COLLICHTHYS Gthr., June, 1860, but preoccupied by the tentative name SCIÆNOIDES Rich., 1843.
Microzeus Blyth, XIX, 142; orthotype M. ARMATUS Blyth.
Batasio Blyth, XXIX, 148; tautotype PIMELODUS BATASIO Ham.; replaces GAGATA Blkr.
Hara Blyth, 152; tautotype PIMELODUS HARA Ham. (H. BUCHANANI Blyth). A synonym of ERETHISTES M. & T.
Pseudecheneis Blyth, XXIX, 154; orthotype GLYPTOSTERNON SULCATUS McCl.
Glyptothorax Blyth, XXIX, 154; orthotype G. TRILINEATUS Blyth. A synonym of GLYPTOSTERNON McCl.
Exostoma Blyth, XXIX, 155; orthotype E. BERMOREI Blyth.
Syncrossus Blyth, 166; logotype S. BERMOREI Blyth. A synonym of BOTIA Gray.
Prostheacanthus Blyth, 167; orthotype P. SPECTABILIS Blyth. A synonym of ACANTHOPSIS Van Hasselt.
Pangio Blyth, 169; orthotype COBITIS PANGIA Ham. A synonym of ACANTHOPHTHALMUS Van Hasselt, as restricted by Bleeker.
Apua Blyth, 169; orthotype A. FUSCA Blyth.
678. CANESTRINI (1860). *Zur Systematik der Percoiden*. Verh. Zool. Bot. Ver. Wien, X.
GIOVANNI CANESTRINI (1835-).
Datnioides (Brisout de Barneville) Canestrini, 305; orthotype not named; teeth on vomer, none on pelatines; not DATINOIDES Blkr., 1853. Apparently a synonym of THERAPON Cuv.
Apostata (Heckel) Canestrini, 309; orthotype A. CALCARIFER Heckel = CONODON NOBILIS (L.). A synonym of CONODON Cuv. & Val., 1830.

Asproperca (Heckel) Canestrini, 309; orthotype A. ZEBRA Heckel. A synonym of PERCINA Haldeman.

679, 680. CANESTRINI (1860). (*Fishes.*) Verh. Akad. Wiss. Wien.
GIOVANNI CANESTRINI.

Sphærichthys Canestrini, X, 707; orthotype S. OSPHROMENOIDES Canestrini.

Trichopsis (Kner) Canestrini, X, 708; orthotype T. STRIATUS Blkr. A synonym of CTENOPS McCl.

681. COQUAND (1860). *Description de la géologie du département de Charente*. II.
H. COQUAND.

Orthodon Coquand, II, 126; orthotype O. CONDAMYI (fossil). Name preoccupied in CYPRINIDÆ; an ally of THYELLINA.

682. EGERTON (1860). (*Fossil Fishes.*) Rept. British Association for 1859 (1860).
PHILIP DE MALPAS GREY EGERTON.

Brachyacanthus Egerton, 116; orthotype B. SCUTIGER Egert. (fossil). A synonym of CLIMATIUS Ag.

683. EICHWALD (1860). *Lethæa Rossica ou paléontologie de la Russie décrite et figurée*. Stuttgart. *Pisces*. Vol. I.
KARL EDUARD VON EICHWALD.

Aulacosteus Eichwald, I, 1548; logotype A. COCHLEARIFORMIS Eichw. (fossil); repeated from a Russian paper of 1846. A synonym of PTYCTODUS Pander (1858) and originally of prior date.

Homacanthus Eichwald, I, 1601; orthotype H. TRIANGULARIS Eichw. (fossil). Regarded as a synonym of CALODODUS Ag.; name preoccupied by Agassiz.

684. GILL (1860). *Notes on the Nomenclature of North American Fishes*. Proc. Acad. Nat. Sci. Phila., Vol. XI, for 1860 (printed as a whole in 1861).
THEODORE GILL.

Astroscopus (Brevoort) Gill, 20; orthotype URANOSCOPIUS ANOPILOS Cuv. & Val. (young of U. Y-GRÆCUM Cuv. & Val).

Palinurichthys Gill, 20 (Jan., 1860); orthotype CORYPHLENA PERCIFORMIS Mitchill. Substitute for PALINURUS, preoccupied. A synonym of PALINURICHTHYS Blkr, 1859.

Leptoblennius Gill, 21; orthotype BLENNIUS SERPENTINUS Storer.

685. GILL (1860). *Conspectus piscium in expeditione ad oceanum pacificum Septentrionalem. . . . Stimpson collectorum; Sicydianæ*. Proc. Acad. Nat. Sci. Phila., 1860, 100-102.

THEODORE GILL.

Sicyopterus Gill, 101; orthotype S. STIMPSONI Gill.

Sicyogaster Gill, 102; orthotype S. CONCOLOR Gill. Preoccupied, replaced by LENTIPES Gthr.

686. GILL (1860). *Monograph of the Genus Labrosomus Sw.* Proc. Nat. Sci. Phila., 1860, 102-108.

THEODORE GILL.

Malacoctenus Gill, 103; orthotype CLINUS DELALANDI Cuv. & Val.

Gobioclinus Gill, 103; orthotype CLINUS GOBIO Cuv. & Val.

Blennioclinus Gill, 103; orthotype CLINUS BRACHYCEPHALUS Cuv. & Val.

- Auchenionchus** Gill, 103; orthotype *CLINUS VARIOLOSUS* Cuv. & Val. Misprinted ANCHENIONCHUS.
- Calliclinus** Gill, 103; orthotype *CLINUS GENIGUTTATUS*.
- Ophioblennius** Gill, 103; orthotype *BLENNOPHIS WEBBI* Val. Substitute for *BLENNOPHIS* Val., preoccupied.
- Ophthalmolophus** Gill, 104; orthotype *CLINUS LATIPINNIS* Cuv. & Val.
687. GILL (1860). *Monograph of the Genus Labrax of Cuvier*. Proc. Acad. Nat. Sci. Phila., 1860, 108-120.
THEODORE GILL.
- Dicentrarchus** Gill, 109; orthotype *PERCA ELONGATA* St. Hilaire = *PERCA LABRAX* L. Same as *LABRAX* (Klein) Cuv., 1817, not *LABRAX* Pallas, 1811.
688. GUICHENOT (1860). *Notice sur un nouveau poisson du genre des Trichomyctères*. Rev. Mag. Zool., 2d sér., XII.
ALPHONSE GUICHENOT.
- Astemomycterus** Guichenot, XII, 525; orthotype *A. PUSILLUS* Guich.
689. GUICHENOT (1860). *Notice sur un nouveau poisson du groupe Ctenolabres (Labrastrum)*. Rev. Mag. Zool., 2d sér., XII.
ALPHONSE GUICHENOT.
- Labrastrum** Guichenot, XII, 152; orthotype (*CTENOLABRUS FLAGELLIFER* Cuv. & Val. A synonym of *DUYMÆRIA* Blkr.
690. GÜNTHER (1860). *Catalogue of the Fishes of the British Museum*. II.
ALBERT GÜNTHER.
- Atypus** Günther, II, 64; orthotype *A. STRIGATUS* Gthr. Name preoccupied in spiders; replaced by *ATYPICHTHYS* Gthr., 1862.
- Agrammus** Günther, II, 94; orthotype *LABRAX AGRAMMUS* T. & S.
- Glyptauchen** Günther, II, 121; orthotype *APISTUS PANDURATUS* Rich.
- Centropogon** Günther, II, 128; logotype *COTTUS AUSTRALIS* White.
- Pentaroge** Günther, II, 132; orthotype *APISTUS MARMORATUS* Cuv. & Val. A synonym of *GYMNAPISTES* Sw.
- Tetraroge** Günther, II, 132; logotype *APISTUS BARBATUS* Cuv. & Val.
- Polycaulus** Günther, II, 175; orthotype *SYNANCEIA ELONGATA* Cuv. & Val.
- Ptyonotus** Günther, II, 175; orthotype *TRIGLOPSIS THOMPSONI* Grd. Needlessly proposed as a substitute for *TRIGLOPSIS* on account of the earlier *TRIGLOPS*.
- Lepidotrigla** Günther, II, 196; logotype *TRIGLA ASPERA* Cuv. & Val. = *TRIGLA CAVILLONE* Lac.
- Agnus** Günther, II, 229; orthotype *URANOSCOPUS ANOPLUS* Cuv. & Val. A synonym of *ASTROSCOPUS* Gill.
- Anema** Günther, 229; logotype as restricted by Gill, 1861, *URANOSCOPUS ANOPLUS* Cuv. & Val. A synonym of *ASTROSCOPUS* Brevoort.
- Kathetostoma** Günther, 231; orthotype *URANOSCOPUS LÆVIS* Bl. & Schn. Sometimes spelled *CATHETOSTOMA*.
- Epicopus** Günther, 248; orthotype *MERLUS GAYI* Guich. A synonym of *MERLUCCIUS* Raf.
- Platystethus** Günther, II, 301; orthotype *SCIÆNA CULTRATA* Forster; preoccupied; replaced by *BATHYSTETHUS* Gill, 1893.
- Collichthys** Günther, II, 312; orthotype *SCIÆNA LUCIDA* Rich. Same as *SCIÆNOIDES* Blyth, not of Richardson.
- Pentanemus** (Arteidi) Günther, 330; orthotype *POLYNEMUS QUINQUARIUS* L.

- Galeoides** Günther, II, 332; orthotype *POLYNEMUS POLYDACTYLUS* Vahl.
- Dicrotus** Günther, II, 349; orthotype *D. ARMATUS* Gthr.
- Hypsiptera** Günther, II, 386; orthotype *H. ARGENTEA* Gthr. A larva related to *GAIDROPSARUS* Raf.
- Neptomenus** Günther, II, 389; orthotype *N. BRAMA* Gthr.
- Pammelas** Günther, II, 485 (June); orthotype *CORYPHENA PERCIFORMIS* Mitchell. Substitute for *PALINURUS* Dekay, preoccupied. A synonym of *PALINURICHTHYS* Blkr., 1859.
691. HOLBROOK (1860). *Ichthyology of South Carolina*. (Second edition; the first, in 1855, destroyed by fire.)
JOHN EDWARDS HOLBROOK.
(See No. 536, 1855.)
692. KAUP (1860). *Neue aalähnliche Fische des Hamburger Museums*. Abh. Naturw. Verein Hamburg, 1859 (1860), IV, Abth. 2.
JOHANN JACOB KAUP.
- Gnathophis** Kaup, 7; orthotype *G. HETEROGNATHUS* Kaup. (An ally of *CONGERMURENA HABENATA*). Corresponds to *CONGERMURENA* as restricted by Ogilby, not of Blecker.
- Tæniophis** Kaup, 10; orthotype *T. WESTPHALI* Kaup. A synonym of *GYMNOTHORAX*.
- Cryptopterus** Kaup, 11; orthotype *C. PUNCTICEPS* Kaup. Probably a synonym of *OPHICHTHYS*. Name preoccupied.
- Crotalopsis** Kaup, 12; orthotype *C. PUNCTIFER* Kaup.
- Echiopsis** Kaup, 13; orthotype *OPHISURUS INTERTINCTUS* Rich. A synonym of *CROTALOPSIS* Kaup.
- Hoplunnis** Kaup, 19; orthotype *H. SCHMIDTI* Kaup.
- Priodonophis** Kaup, 22; orthotype *GYMNOTHORAX OCELLATUS* Ag.
693. KAUP (1860). *Hoplarchus, neues Genus der Familie Labridæ*. Arch. Naturg., 1860, XXVI, pt. I.
JOHANN JACOB KAUP.
- Hoplarchus** Kaup, 128; orthotype *H. PENTACANTHUS* Kaup. A synonym of *CICHLAURUS* Sw. = (*HEKOS* Heckel).
694. KAUP (1860). *On Some New Genera and Species of Fishes Collected by Doctors Kerferstein and Heckel at Messina*. Ann. Mag. Nat. Hist., VI, 270-273.
JOHANN JACOB KAUP.
- Stomiasunculus** Kaup, V, 270; orthotype *S. BARBATUS* Kaup. A larva, allied to *STOMIAS*.
- Porobronchus** Kaup, V, 272; orthotype *P. LINEARIS* Kaup. A larva of *CARAPUS* (*FIERASFER*).
695. KAUP (1860). *Ueber die Chaetodontide*. Wieg. Archiv. Naturg., XXVI, pt. I, 133-156.
JOHANN JACOB KAUP.
- Citharæodus** Kaup, 136; logotype *CHÆTODON ORNATISSIMUS* Solander.
- Coradion** Kaup, 137; orthotype *CHÆTODON CHRYSOZONUS* Kuhl & Van Hasselt.
- Eteira** Kaup, XXVI, 137; orthotype *CHÆTODON TRIANGULARIS* Rüppell. A synonym of *MEGAPROTODON* Guich.
- Linophora** Kaup, 137; orthotype *CHÆTODON AURIGA* Forskål.

- Centropyge** Kaup, XXVI, 140; orthotype *C. TIBICEN* Kaup. A synonym of *HOLACANTHUS* Lac.
- Therapaina** Kaup, 140; orthotype *CHÆTODON STRIGATUS* (Langsdorff) Cuv. & Val. A synonym of *MICRACANTHUS* Sw.
696. KNER (1860). *Ueber Belonesox belizanus*, etc. Sitzb. Akad. Wiss. Wien, XL.
RUDOLPH KNER.
- Belonesox** Kner, XL, 419; orthotype *B. BELIZANUS* Kner.
697. KNER (1860). *Ueber einige noch unbeschriebene Fische*. Sitzb. Akad. Wiss. Wien, XXXIX.
RUDOLF KNER.
- Centropus** Kner, XXXIX, 531; orthotype *C. STAUROPHORUS* Kner. Name preoccupied. A synonym of *AMPHIPRIONICHTHYS* Blkr.
- Trichopsis** attributed to Kner. A synonym of *OSPHRONEMUS* Lac. Seems to be a slip of the pen for *TRICHOPUS*.
698. MARCK (1860). (*Fossile Fische*.) Verh. Nat. Ver. Preuss-Rhein. Westph. W. VON DER MARCK.
- Palæoscyllium** von der Marck, 47; orthotype *P. DECHENI* Marck (fossil). Name only, described in *Palaontographica*, XI, 67, 1863. Name preoccupied. An ally of *THYELLINA*.
699. MOLIN (1860). *Primitiva Musci Archigymnasii Patavini (Pisces fossiles)*. Sitzb. Akad. Wiss. Wien, XL.
RAFFAELE MOLIN.
- Protogaleus** Molin, XL, 585; orthotype *P. CUVIERI* Molin (fossil). An ally or synonym of *SCOLIODON* M. & H.
700. PANDER (1860). *Ueber die Saurodipterinen, Dendrodipterinen, Glyptolepiden und Cheirolepiden des devonischen Systems*. St. Petersburg, IX.
CHRISTIAN HEINRICH PANDER.
- Polyplacodus** Pander, 28; orthotype *P. INCURVUS* Pander (not of Duff) = *P. WENJUKOWI* Rohon (fossil). A synonym of *CRICODUS* Ag.
701. PLIENINGER (1860). (*Xystrodus*.) Neues Jahrbuch.
WILHELM HEINRICH THEODOR VON PLIENINGER.
- Xystrodus** Plieninger, 695; orthotype *X. FINITIMUS* Plieninger.
702. POEY (1860). *Peces Ciegas de la Isla de la Cuba*. Memorias de Cuba, II, July, 1860.
FELIPE POEY Y ALOY.
- Lucifuga** Poey, II, 95; orthotype *L. SUBTERRANEUS* Poey.
703. POEY (1860). *Poissons de Cuba: Espèces nouvelles*. In *Memorias sobre la historia natural de la Isla de Cuba*, etc. II, 115-356.
FELIPE POEY Y ALOY.
- Dinemus** Poey, II, 107, 161; orthotype *D. VENUSTUS* Poey. A synonym of *POLYMIXIA*, Lowe.
- Monoprion** Poey, II, 123; orthotype *M. MACULATUS* Poey. A synonym of *APOGON* Lac., *AMIA* Gronow.
- Verilus** Poey, II, 124; orthotype *V. SORDIUS* Poey.
- Latebrus** Poey, II, 168; orthotype *L. OCVLATUS* Poey.

- Inermia** Poey, II, 193; orthotype *I. VITTATA* Poey. An ally of *EMMELICHTHYS* Rich.
- Furcaria** Poey, II, 194; orthotype *F. PUNCTA* Poey. An ally or subgenus of *CHROMIS* Cuv.
- Sphyrænops** Poey, II, 249; orthotype *S. BAIRDIANUS* Poey.
- Joturus** Poey, 263; orthotype *J. PICHARDI* Poey.
- Erotelis** Poey, II, 273; orthotype *E. VALENCIENNESI* Poey = *ELEOTRIS SMARAGDUS* Cuv. & Val.
- Chonophorus** Poey, II, 274; orthotype *C. BUCCULENTUS* Poey = *GOBIOUS BANANA* Cuv. & Val., probably = *GOBIOUS TAIASICA* Lichtenstein. Replaces *AWAOUS* Steind. of the same year but a few days later.
- Smaragdus** Poey, II, 279; orthotype *GOBIOUS SMARAGDUS* Cuv. & Val. = *SMARAGDUS VALENCIENNESI* Poey. A synonym of *GOBIONELLUS* Grd.
- Trifarcus** Poey, II, 305; orthotype *T. RIVERENDI* Poey. A synonym of *CYPRINODON* Lac.
- Rivulus** Poey, II, 307; orthotype *R. CYLINDRACEUS* Poey.
- Sardinia** Poey, II, 311; orthotype *S. PSEUDOHISPANICA* Poey (not of Jordan & Evermann, which is *SARDINELLA ANCHOVIA* Cuv. & Val.). Same as *SARDINA* Antipa, which it replaces unless it be regarded as preoccupied by *SARDINIUS* von der Marck.
- Pontinus** Poey, II, 172; logotype *P. CASTOR* Poey.
704. SUCKLEY (1860). *Report of the Fishes Collected on the Survey (U. S. Pacific R. R.)*. Report on the SALMONIDÆ. (Also in several other papers.)
GEORGE SUCKLEY (1830-).
- Oncorhynchus** Suckley, 312; orthotype (male of) *SALMO SCULERI* Rich. = *SALMO GORBUSCHA* Walbaum. (The males of the Pacific salmon taken as a genus distinct from the females.)
705. STEINDACHNER (1860). *Beitrag zur Kenntniss der Gobioiden*. Sitzb. Math. Naturw. Classe Wien., XLII.
FRANZ STEINDACHNER
- Cyclogobius** Steindachner, XLII, 284; orthotype *GOBIOUS LEPIDUS* Grd. A synonym of *LEPIDOGOBIOUS* Gill.
- Awaous** Steindachner, XLII, 289; type (after "les AWAOUS" Cuv. & Val.; *GOBIOUS OCELLARIS* Cuv. & Val. from Hawaii) "*GOBIOUS (AWAOUS* Val.) *LITERATUS* Heckel," from the Philippines, is the only species named except for the reference to Valenciennes. The name is a latinization of "les AWAOUS". AWAOUS is a synonym of *CHONOPHORUS* Poey. As AWAOUS was first used as a scientific name (as a subgenus of *GOBIOUS*) in an article presented on July 12, 1860, it is probable that *CHONOPHORUS* Poey, issued in July, 1860, has actual priority.
- Oplopomus** (Ehrenberg) Steindachner, XLII, 290; orthotype *OPLOPOMUS PULCHER* Ehrenb. = *GOBIOUS OPLOPOMUS* Cuv. & Val. (XII, 66). Not *OPLOPOMA* Grd., 1856. Same as *CENTROGOBIUS* Blkr. (1874).
- Gobiopsis** Steindachner, XLII, 291; orthotype *GOBIOUS MACROSTOMUS* Heckel. Very close to *WAITEA* Jordan, 1906.
706. TROSCHEL (1860). *Leptoptygius, neue Gattung der Discoboli*. Arch. Naturg. XXVI, 1.
FRANZ HERMANN TROSCHEL.

Leptopterygius Troschel, XXVI, 205; orthotype *L. coccoi* Troschel. A synonym of *GOUANIA* Nardo = *RUPISUGA* Sw.

707. WAGNER (1860). *Fossile Fische aus einem neuentdeckten Lager in Südbayerischem Tertiärgebirge*. Südbayer. Akad., I, 1860.

ANDREAS WAGNER.

Alosina Wagner, 54; orthotype *A. SALMONEA* Wagner (fossil).

708. WAGNER (1860). *Die Griffelzähler (Stylodontes) eine neue aufgestellte Familie . . . der rautenschuppige Ganoiden*. Gelehrte Anz. Bayer. Akad. Wiss., L.

ANDREAS WAGNER.

Homœolepis Wagner, 92; orthotype *H. DROSERA* Wagner (fossil). A synonym of *TETRAGONOLEPIS* Bronn.

Heterostichus Wagner, 93; orthotype *HETEROSTICHUS LATUS* Wagner (fossil). Name preoccupied; replaced by *HETEROSTROPHUS* Wagner, 1863.

709. WAGNER (1860). *Zur Charakteristik der Gattungen Saurapsis und Pachycormus*, etc. Gelehrte Anz. Bayer. Akad. Wiss., L.

ANDREAS WAGNER.

Hypsocormus Wagner, 214; orthotype *H. INSIGNIS* Wagner (fossil).

Euthyonotus Wagner, 214; orthotype *E. MICROPODIUS* Ag. (fossil) (*ESOX INCOGNITUS* Blainv.).

1861

710. AGASSIZ, A. (1861). *Notes on the Described Species of Holconoti Found on the Western Coast of North America*. Proc. Boston Soc. Nat. Hist., 1861, VIII, 122-134.

ALEXANDER AGASSIZ (1835-1910).

Sargosomus (Agassiz) Alex. Agassiz, 128; orthotype *S. FLUVIATILIS* Agassiz = *HYSTEROCARPUS TRASKI* Gibbons. A synonym of *HYSTEROCARPUS* Gibbons.

Metrogaster (Agassiz) Alex. Agassiz, VIII, 128; orthotype *CYMATOGASTER AGGREGATUS* Gibbons. A synonym of *CYMATOGASTER* Gibbons.

Bramopsis (Agassiz) Alex. Agassiz, VIII, 132; orthotype *B. MENTO* Agassiz = *HYPERPROSOPON ARGENTEUS* Gibbons. A synonym of *HYPERPROSOPON*.

Tæniotoca Alexander Agassiz, VIII, 133; orthotype *EMBIOTOCA LATERALIS* Agassiz.

Hypsurus Alexander Agassiz, VIII, 133; orthotype *EMBIOTOCA CARYI* Agassiz.

711. BLEEKER (1861). *Iets over de geslachten der Scaroiden en hunne Indisch-archipelagische soorten*. Versl. Akad. Amsterdam, XII, 1861, 228-244.

PIETER BLEEKER.

Pseudodax Bleeker, 229; orthotype *ODAX MOLUCCANUS* Cuv. & Val.

Callyodontichthys Bleeker, 230; orthotype *SCARUS FLAVESCENS* Blkr. (not of Bloch & Schneider).

Pseudoscarus Bleeker, 231; logotype *P. MICRORHINOS* Blkr.

712. BLEEKER (1861). (*Labridæ.*) Proc. Zool. Soc. London, 1861.

PIETER BLEEKER.

Ophthalmolepis Bleeker, 413; orthotype *JULIS LINEOLATUS* Cuv. & Val.

713. BLEEKER (1861). *Zesde bijdrage tot de kennis der vischfauna van Timor*. Nat. Tijdschr. Neder.-Indie, XXII, 1861, 247-261.

PIETER BLEEKER.

Oxymetopon Bleeker, VI, 12; orthotype *O. TYPUS* Blkr.

714. BLEEKER (1861). *Notice sur le genre Trachinus et ses espèces.* Ann. Sci. Nat., XVI; reprinted in 1862.

PIETER BLEEKER.

Echiichthys Bleeker, 379; orthotype *E. VIPERA* Blkr.

Pseudotrachinus Bleeker, 379; orthotype *P. RADIATUS* Blkr.

715. CASTELNAU (1861) *Mémoire sur les poissons de l'Afrique Australe.* Paris, VII.

FRANÇOIS LAPORTE DE CASTELNAU.

Boopsidea Castelnau, 25; orthotype. *B. INORNATA* Castelnau.

Ichthyorhamphos Castelnau, 35; orthotype *I. PAPPEI* Castelnau. A synonym of *OPLEGNATHUS*.

Sandelia Castelnau, 36; orthotype *S. BAINSI* Castelnau. A synonym of *SPIROBRANCHUS*.

Stromatoidea Castelnau 44; orthotype *S. LAYARDI* Castelnau, not *STROMATEOIDES* Blkr., 1851.

Gnathendalia Castelnau, 57; orthotype *G. VULNERATA* Castelnau.

Hydrocyonoides Castelnau, 66; orthotype *H. CUVIERI* Castelnau; a synonym of *SARCODACES*.

Algoa Castelnau, 69; orthotype *A. VIRIDIS* Castelnau.

Athæna Castelnau, 72; orthotype *A. FASCIATA* Castelnau.

Aledon Castelnau, 75; orthotype *A. STORERI* Castelnau. A synonym of *Mola*.

716. COSTA (1861). (*Fossil Fishes.*): *Palcontologia Regno Napoli.* III. ORONZIO GABRIELE COSTA.

Centropterus Costa, III, 123; orthotype *C. LIVIDUS* Costa (fossil). An ally of *ETMOPTERUS* Raf.

717. EGERTON (1861). *Description of Tristichopterus, Acanthodes, Climatius, etc.* (In *Figures and Descriptions of British Organic Remains.*) Mem. Geol. Surv., 1861.

PHILIE DE MALPAS GREY EGERTON.

Holophagus Egerton, X, 19; orthotype *H. GULA* Egert. (fossil). A synonym of *UNDINA* Münster.

Tristichopterus Egerton, 51; orthotype *T. ALATUS* Egert. (fossil).

718. FILIPPI (1861). *Note Zoologische.* Arch. Zool. Anat. Fisiol., I. FILIPPO DE FILIPPI.

Lebistes Filippi, I, 69; orthotype *L. PECILOIDES* Filippi.

719. GILL (1861). *Catalogue of the Fishes of the Eastern Coast of North America, from Greenland to Georgia.* Issued as a supplement to the *Proc. Acad. Nat. Sci. Phila.*, 1861, and dated February, 1861.

THEODORE GILL.

In this paper numerous new generic names are introduced in connection with the type species, the genera being defined later. Under present usage, these names date from the indication of the type species. No question of priority is here concerned except with *REINHARDTIUS* Gill, called *PLATYSOMATICHTHYS* by Bleeker in 1862, before *REINHARDTIUS* was defined, and *HYPSOBLENNIUS* Gill, called *ISESTHES* by Jordan & Gilbert, 1881, before a definition of *HYPSOBLENNIUS* was published.

NOTE. The most of the many new genera, indicated by American authors from 1860 to 1875, occur in the proceedings of scientific societies in Philadelphia, New York and Boston, and especially in those of the Academy of Natural Sciences in Philadelphia. The bound volumes of these proceedings were issued in the year subsequent to the reading of the papers, as for example that of 1861 in 1862. But separate copies of most of these papers were issued in the date year. In this record, the papers are credited to the date year. In the few cases in which questions of priority are involved, I have tried to secure the exact dates concerned.

- Uranoblepus** 5; orthotype (not named) *SYNANCEIA ELONGATA* Cuv. & Val. A substitute for *TRACHICEPHALUS* Sw., preoccupied. A synonym of *POLYCAULUS* Gthr., 1860.
- Ctenolucius** Gill, 8; orthotype not named = *LUCIOCHARAX INSCULPTUS* Steind. It is described as an ally of *XIPHOSTOMA*, a South American CHARACIN, identical with *LUCIOCHARAX* Steind., 1876, which name it should replace.
- Triloburus** Gill, 30; orthotype *PERCA TRIFURCA* L. = *P. PHILADELPHICA* L. A section of *CENTROPRISTES* Cuv.
- Promicropterus** Gill, 31; orthotype *RYPTICUS MACULATUS* Holbrook = *BODIANUS BISTRISPINUS* Mitchill.
- Anisotremus** Gill, 32; orthotype *PRISTIPOMA RODO* Cuv. & Val. = *SPARUS VIRGINICUS* L.
- Bairdiella** Gill, 33; orthotype *BODIANUS ARGYROLEUCUS* Mitchill = *DIPTERODON CHRYSURUS* Lac.
- Palinurichthys** Gill, 34; orthotype *PALINURUS PERCIFORMIS* Storer. Substitute for *PALINURUS*, preoccupied; a synonym of *PALINURICHTHYS* Blkr., 1860.
- Poronotus** Gill, 35; orthotype *RHOMBUS TRIACANTHUS* Storer.
- Lepturus** (Artemis) Gill, 35; orthotype *TRICHIURUS LEPTURUS* L. A revival of a pre-Linnæan name. A synonym of *TRICHIURUS* L.
- Blepharichthys** Gill, 36; orthotype *ZEUS CRINITUS* Mitchill. A substitute for *BLEPHARIS* Cuv., preoccupied. A synonym of *ALECTIS* Raf.
- Solenostomus** (Gronow) Gill, 38; orthotype *FISTULARIA TABACARIA* L. A synonym of *FISTULARIA* L.
- Pygosteus** (Brevort) Gill, 39; orthotype *GASTEROSTEUS OCCIDENTALS* Cuv. & Val. Val. = *G. PUNGITIUS* L.
- Trichidion** (Klein) Gill, 40; logotype *POLYNEMUS VIRGINICUS* L. A revival of a pre-Linnæan name. A synonym of *POLYNEMUS* L.
- Argyrotænia** Gill, 40; orthotype *AMMODYTES VITTATUS* Storer. A synonym of *AMMODYTES* L.
- Oncocottus** Gill, 42; orthotype *COTTUS HEXACORNIS* Storer = *COTTUS QUADRICORNIS* Rich. Misprinted *ONCHOCOTTUS*.
- Hyppleurochilus** Gill, 44; logotype *BLENNIUS MULTIFILIS* Grd. = *BLENNIUS GEMINATUS* Wood.
- Dormitator** Gill, 44; orthotype *ELEOTRIS SOMNOLENTUS* Grd. = *SCIENA MACULATA* Bloch.
- Hypsoblennius** Gill, 44; orthotype *BLENNIUS HENTZ* Le Sueur (no description of genus). Replaces *ISESTHES* J. & G.
- Leptoblennius** Gill, 44; orthotype *BLENNIUS SERPENTINUS* Storer.
- Centroblennius** Gill, 45; logotype *LUMPENUS NUBILUS* Rich.
- Leptoclinus** Gill, 45; orthotype *LUMPENUS ACULEATUS* Reinh.
- Reinhardtius** Gill, 50; orthotype *PLEURONECTES CYNOGLOSSUS* Fabricius, not of L.=

PLEURONECTES HIPPOGLOSSOIDES Walbaum. Replaces PLATYSOMATICHTHYS Blkr., 1862.

- Chænopsetta** Gill, 50; orthotype PLATESSA OBLONGA Storer. A synonym of PARALICHTHYS Grd.
- Drepanopsetta** Gill, 50; orthotype PLEURONECTES PLATESSOIDES Fabricius. A synonym of HIPPOGLOSSOIDES Gottsche.
- Myzopsetta** Gill, 51; orthotype PLATESSA FERRUGINEA Storer. A synonym of LIMANDA Gottsche.
- Lophopsetta** Gill, 51; orthotype PLEURONECTES MACULATUS Mitchill.
- Glossichthys** Gill, 51; orthotype PLEURONECTES PLAGUSIA L. A synonym of SYMPHURUS Raf.
- Trachinocephalus** Gill, 53; orthotype SAURUS MYOPS Cuv. & Val.
- Alausella** Gill, 54; orthotype CLUPEA PARVULA Mitchill. A synonym of POMOLOBUS Raf.
- Opisthonema** Gill, 54; orthotype "O. THRISSA Gill" (not CLUPEA THRISSA Osbeck) = MEGALOPS OGLINA Le Sueur.
- Brevoortia** Gill, 55; orthotype ALOSA MENHADEN Storer = CLUPEA TYRANNUS Latrobe.
- Conorhynchus** (Nozemann) Gill, 55; orthotype BUTYRINUS VALPES Storer (ALBUTA VALPES). Revival of a pre-Linnæan name, 1757; a synonym of ALBULA Gronow.
- Isognatha** (Dekay) Gill, 56; orthotype ANGUILLA OCEANICA Storer = MURENA CONGER L. A synonym of LEPTOCEPHALUS GRONOW = CONGER Cuv.
- Ariopsis** Gill, 56; orthotype ARIUS MILBERTI = SILURUS FELIS L. A synonym of HEXANEMATICHTHYS Blkr., 1858.
- Ceratacanthus** Gill, 57; orthotype MONACANTHUS AURANTIACUS.
- Aprionodon** Gill, 59; orthotype SQUALUS PUNCTATUS Mitchill. A substitute for APRION; preoccupied in fishes.
- Cestracion** (Klein) Gill, 59; orthotype SQUALUS ZYGENA L. A synonym of SPHYRNA Raf.
- Eugomphodus** Gill, 60; orthotype CARCHARIAS GRISEUS Storer. A section under ODONTASPIS Agassiz = CARCHARIAS Raf.
- Narcacion** (Klein) Gill, 61; orthotype (RAJA TORPEDO L.). A revival of a pre-Linnæan name; same as TORPEDO Dum.

720. GILL (1861). *Synopsis of the Subfamily of Clupeinæ*, etc. Proc. Acad. Nat. Sci. Phila., 1861.

THEODORE GILL.

- Alausella** Gill, 36; orthotype CLUPEA PARVULA Mitchill, the young of some species of POMOLOBUS, perhaps P. MEDIOCRIS (repeated from *Catalogue Fishes East Coast*).
- Opisthonema** Gill, 37; orthotype CLUPANODON THRISSA Lac. (not of Osbeck) = MEGALOPS OGLINA Le Sueur (repeated from *Catalogue*).
- Opisthopterus** Gill, 37, 38; orthotype PRISTIGASTER TARTOOR Cuv. & Val.
- Brevoortia** Gill, 37; orthotype CLUPEA MENHADEN Mitchill = CLUPEA PATRONUS Latrobe. (Repeated from *Catalogue*.)

721. GILL (1861). *Synopsis of the Family of Percinæ*. Proc. Acad. Nat. Sci. Phila. THEODORE GILL.

- Asperulus** (Klein) Gill, 46; orthotype PERCA ZINGEL L. Equivalent to ZINGEL Oken = ASPRO Cuv.

Kuhlia Gill, 48; orthotype *PERCA CILIATA* Cuv. & Val.

Hypopterus Gill, 51; orthotype *PSAMMOPERCA MACROPTERA* Gthr.

Percosoma Gill, 51; orthotype *PERCICHTHYS CHILENSIS* Grd.

Deuteropterus Gill, 51; orthotype *PERCA MARGINATA* Cuv. & Val.

Liopropoma Gill, 52; orthotype *PERCA ABERRANS* Poey.

722. GILL (1861). *Synopsis generum Rhyptici et Affinum*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Dermatolepis Gill, 54; orthotype *D. PUNCTATUS* Gill.

723. GILL (1861). *On Several New Generic Types of Fishes*. Proc. Acad. Nat. Sci. Phila., 1861.

Podothecus Gill, 77, 259; orthotype *P. PERISTETHUS* Gill = *AGONUS ACIPENSIRINUS* Pallas.

Brachyopsis Gill, 77; orthotype not named; said to be same as *AGONUS* Sw.

Hoplopagrus Gill, 78; orthotype *H. GUNTHERI* Gill.

Rhinoscion Gill, 78; orthotype *AMBLONDON SATURNUS* Grd.

Stephanolepis Gill, 78; orthotype *MONACANTHUS SETIFER* Bennett.

724. GILL (1861). *Revision of the Genera of North American Scianinae*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Cynoscion Gill, 81; orthotype *OTOLITHUS REGALIS* Cuv. & Val.

Anomirolepis Gill, 82; orthotype a Chinese species unnamed, allied to *CORVINA TRIDENTIFER* Rich., but without small teeth in upper jaw.

Plagioscion Gill, 82; no species indicated; logotype *SCIÆNA SQUAMOSISSIMA* Heckel, of Brazil.

Rhinoscion Gill, 78, 85; orthotype *AMBLONDON SATURNUS* Grd. A synonym of *CHEILO TREMA* Tschudi.

Menticirrhus Gill, 86; orthotype *PERCA ALBURNUS* L. = *CYPRINUS AMERICANUS* L., 1758.

Pachypops Gill, 87; orthotype *P. TRIFILIS* Gill.

Genyonemus Gill, 87; orthotype *LEIOSTOMUS LINEATUS* Ayres.

725. GILL (1861). *Two New Species of Marine Fishes*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Hyporthodus Gill, 98; orthotype *H. FLAVICAUDA* Gill = *SERRANUS NIVEATUS* Cuv. & Val. A synonym of *EPINEPHALUS* Bloch.

Sarothrodus Gill, 99; orthotype *CHÆTODON CAPISTRATUS* Gill. Name a substitute for *CHÆTODON* as used generally, the name being transferred to *POMACANTHUS*, to the species called *CHÆTODON* by Artedi (1738, before Linnæus), none of them being true *CHÆTODONS*. This change seems needless and not allowable.

726. GILL (1861). *Haploidonotinae*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Haploidonotus Gill, 101; orthotype *APLODINOTUS GRUNNIENS* Raf. A revision of the spelling of *APLODINOTUS*.

727. GILL (1861). *Synopsis of the Uranoscopoids*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

- Nematagnus** Gill, 113; orthotype URANOSCOPUS FILIBARBIS Cuv. & Val.
- Upselonphorus** Gill, 113; orthotype URANOSCOPUS Y-GRÆCUM Cuv. & Val. A synonym of ASTROSCOPUS Brevoort.
- Cathetostoma** Gill, 114; orthotype URANOSCOPUS LÆVIS Bloch. A revised spelling of KATHETOSTOMA.
- Genyagnus** Gill, 115; orthotype URANOSCOPUS MONOPTERYGIUS Bloch.
- Gnathagnus** Gill, 115; orthotype URANOSCOPUS ELONGATUS T. & S.
728. GILL (1861). *Notes on Some Genera of Fishes of the Western Coast of North America*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Atractoperca** Gill, 164; orthotype LABRAX CLATHRATUS Grd. A synonym of PARALABRAX Grd.
- Archoplites** Gill, 165; orthotype AMBLOPLITES INTERRUPTUS Grd.
- Parehippus** Gill, 165; orthotype EPHIPPUS ZONATUS Grd. A synonym of CHÆTODIPTERUS Lac.
- Hypsypops** Gill, 165; orthotype GLYPHISODON RUBICUNDUS Girard.
- Sebastodes** Gill, 165; orthotype SEBASTES PAUCISPINIS Ayres.
- Acantholebius** Gill, 166; orthotype CHIOPSIS NEBULOSUS Grd. = HEX. STELLERI Tilesius. A synonym of HEXAGRAMMOS Steller.
- Pleurogrammus** Gill, 166; orthotype LABRAX MONOPTERYGIUS Pallas.
- Grammatopleurus** Gill, 166; orthotype LABRAX LAGOCEPHALUS Pallas. A synonym of HEXAGRAMMOS Steller.
- Megalocottus** Gill, 166; orthotype COTTUS PLATYCEPHALUS Pallas.
- Clinocottus** Gill, 166; orthotype OLIGOCOTTUS ANALIS Grd.
- Blennicottus** Gill, 166; orthotype OLIGOCOTTUS GLOBICEPS Grd.
- Hypsagonus** Gill, 167, 259; orthotype ASPIDOPHORUS QUADRICORNIS Cuv. & Val.
- Paragonus** Gill, XIII, 167, 259; orthotype AGONUS ACIPENSERINUS Tilesius. A synonym of PODOTHECUS Gill.
- Agonopsis** Gill, XIII, 167, 259; orthotype ASPIDOPHORUS CHILOËNSIS Kröyer.
- Leptagonus** Gill, XIII, 167, 259; orthotype AGONUS SPINOSISSIMUS Kröyer.
- Brachyopsis** Gill, 167, 259; logotype AGONUS ROSTRATUS Tilesius.
- Anoplagonus** Gill, 167; orthotype ASPIDOPHOROIDES INERMIS Gthr.
- Brosmophycis** Gill, 168; orthotype BROSMIUS MARGINATUS Ayres.
729. GILL (1861). *On a New Type of Aulostomatoids, Found in Washington Territory*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Aulorhynchus** Gill, 169; orthotype A. FLAVIDUS Gill.
730. GILL (1861). *Description of a New Generic Type of Blennioids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Anoplarchus** Gill, 261; orthotype A. PURPURESCENS Gill.
731. GILL (1861). *Monograph of the Tridigitate Uranoscopoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Myxodagnus** Gill, 269; orthotype M. OPERCULARIS Gill.
732. GILL (1861). *Synopsis of the Polynematoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Polistonemus** Gill, 277; orthotype POLYNEMUS MULTIFILIS T. & S.

733. GILL (1861). *Synopsis of the Sillaginoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Leptoperca Gill, 502; orthotype PERCA SCHRETZER L. Same as SCHRAITZER
Schaefer, if the latter is eligible
Sillaginodes Gill, 504; orthotype SILLAGO PUNCTATA Cuv. & Val.
Sillaginopsis Gill, 505; orthotype SILLAGO DOMINA Cuv. & Val.
734. GILL (1861). *Synopsis of the Chænichthyoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Champscephalus Gill, 509; orthotype CHÆNICHTHYS ESOX Gthr.
735. GILL (1861). *Synopsis of the Notothenioids*. Proc. Acad. Nat. Sci.
THEODORE GILL.
Macronotothen Gill, 520; orthotype NOTOTHENIA ROSSI Rich.
Eleginops Gill, 522; logotype APHRITIS UNDULATUS Jenyns.
736. GILL (1861). *Analytical Synopsis of the Squali and Revision of the Nomenclature of the Genera, Followed by "Squalorum generum novorum descriptiones diagnosticæ,"* 330-422; reprint, 1-47. Ann. Lyc. Nat. Hist. N. Y., VII, Dec., 1861.
THEODORE GILL.
Isuropsis Gill, VII, 32 (397); orthotype OXYRHINA GLAUCA M. & H. (not SQUALUS GLAUCUS L.).
Hypoprionodon Gill, 35 (400); orthotype CARCHARIAS HEMIODON Val.
Platypodon Gill, 35 (400); orthotype CARCHARIAS MENISORRAH M. & H.
Eulamia Gill, 35 (400); orthotype "CARCHARIAS LAMIA Raf." = CARCHARHINUS COMMERSONIANUS Blainv. A synonym of CARCHARHINUS Blainv.
Isogomphodon Gill, 35 (400); orthotype CARCHARIAS OXYRHYNCHUS M. & H.
Lamiopsis Gill, 35 (400); orthotype CARCHARIAS TEMMINCKI M. & H.
Isoplagiodon Gill, VII, 35 (400); orthotype CARCHARIAS SORRAH Val.
Aprionodon Gill, VII, 35 (400); orthotype CARCHARIAS ISODON M. & H. Substitute for APRION, preoccupied.
Cynocephalus (Klein) Gill, VII, 35 (400); logotype SQUALUS GLAUCUS L. Name preoccupied in monkeys, unless dating from Klein (*Schauplatz*). A synonym of PRIONACE Cantor.
Boreogaleus Gill, VII, 36 (401); orthotype SQUALUS ARCTICUS Faber.
Chænogaleus Gill, VII, 36 (401); orthotype HEMIGALEUS MACROSTOMA Gthr. Probably not distinct from HEMIGALEUS, which preoccupied name it should perhaps replace.
Reniceps Gill, VII, 37 (402); orthotype SQUALUS TIBURO L.
Cestracion (Klein) Gill, 37 (402); orthotype SQUALUS ZYGÆNA L. A synonym of SPHYRNA Raf., not CESTRACION Cuv., 1817.
Eusphyra Gill, VII, 37 (402); orthotype ZYGÆNA BLOCHI Cuv.
Halælorus Gill, 41 (406) orthotype SCYLLIUM BURGERI M. & H.
Cephaloscyllium Gill, 42 (403); orthotype SCYLLIUM LATICEPS A. Duméril.
Parascyllum Gill, VII, 42 (412); orthotype HEMISCYLLIUM VARIOLATIUM Dum.
Synchismus Gill, 42 (407); orthotype SQUALUS TUBERCULATUS Bl. & Schn. A synonym of CHILOSCYLLIUM M. & H.
Rhina (Klein) Gill, VII, 42 (407); orthotype RHINA SQUATINA Raf. = SQUALUS SQUATINA L., after Klein, 1745-1775. A synonym of SQUATINA Constant Duméril, 1806.

Rhamphobatis Gill, VII, 42 (407); type RHINA ANCYLOSTOMA. A synonym of RHINA Bl. & Schn., not of RHINA Klein.

737. GILL (1861). (*Torpedo*.) Ann. Lyc. N. Y., VIII, 1861.

THEODORE GILL.

Tetranarce Gill, VII, 387; orthotype TORPEDO OCCIDENTALIS Storer. A section or subgenus under TORPEDO Dum.; misprinted TETRONARCE.

Cyclonarce Gill, VII, 387; orthotype RAJA TIMLEI Bl. & Schn. A synonym of NARCINE Henle.

Gonionarce Gill, VII, 387; orthotype NARCINE INDICA Henle. A synonym of NARCINE Henle.

738. GILL (1861). *Observations on the Genus Cottus*, etc. Proc. Boston Soc. Nat. Hist., VIII.

THEODORE GILL.

Potamocottus Gill, 40; logotype P. PUNCTULATUS Gill. A synonym of COTTOPSIS Grd.

739. GULIA (1861). *Tentamen ichthyologicæ Melitensis*, etc. (In Latin: also in Maltese as *Catalogu tal hut ta Malta*.)

GAVINO GULIA (d. 1889).

Micromugil Gulia, 11; orthotype M. TUMIDUS Gulia = CYPRINODON CALARITANUS Cuv. & Val. A synonym of APHANUS Nardo.

740. GÜNTHER (1861). *Catalogue of the Fishes of the British Museum*. III.

ALBERT GÜNTHER.

Latrunculus Günther, III, 80; orthotype GOBIUS ALBUS Parnell.

Lentipes Günther, III, 96; orthotype SICYOGASTER CONCOLOR Gill. A substitute for SICYOGASTER Gill, preoccupied.

Vulsus Günther, III, 151; orthotype CALLIONYMUS DACTYLOPUS Bennett. A synonym of DACTYLOPUS Gill, wrongly stated to be preoccupied.

Thalassophryne Günther, III, 174; orthotype T. MACULOSA Gthr.

Saccarius Günther, III, 183; orthotype S. LINEATUS Gthr.

Auchenopterus Günther, III, 275; orthotype A. MONOPHTHALMUS Gthr. Name regarded as preoccupied as AUCHENIPTERUS Cuv. & Val.; replaced by CREMNOBATES Gthr.

Asternoptyeryx (Rüppell) Günther, II, 288; orthotype A. GUNNELLIFORMIS Rüppell.

Acronurus (Gronow) Günther, II, 345; logotype ACANTHURUS ARGENTUS Q. & G. Larval form of HEPATUS Gronow (ACANTHURUS Forskål).

Myxus Günther, III, 466; logotype M. ELONGATUS Gthr.

Diplocrepis Günther, III, 506; orthotype LEPADOGASTER PUNICEUS Rich.

Crepidogaster Günther, III, 507; logotype C. TASMANIENSIS Gthr. Name preoccupied; replaced by ASPASMAGASTER Waite.

Psychrolutes Günther, III, 516; orthotype P. PARADOXUS Gthr.

741. GÜNTHER (1861). *On a New Genus of Australian Fresh-water Fishes, Nannoperca australis*. Ann. Mag. Nat. Hist., VII. Also in Proc. Zool. Soc. London, 1861, 116.

ALBERT GÜNTHER.

Nannoperca Günther, VII, 410; orthotype N. AUSTRALIS Gthr.

742. GÜNTHER (1861). *On Three New Trachinoid Fishes, Crapatalus*, etc. Ann. Mag. Nat. Hist., 1861, VII.

ALBERT GÜNTHER.

Crapatalus Günther, VII, 86; orthotype *C. NOVÆZELANDIÆ* Gthr.

743. GÜNTHER (1861). *A Preliminary Synopsis of the Labroid Genera.*
Ann. Mag. Nat. Hist., VIII.

Hypsigenys Günther VIII, 383; logotype *LABRUS MACRODONTUS* Lac. A synonym of *CHÆRODON* Blkr.

Semicossyphus Günther, VIII, 384; orthotype *COSSYPHUS RETICULATUS* Cuv. & Val.

Stethojulis Günther, VIII, 386; logotype *JULIS STRIGIVENTER* Bennett.

Hemigymnus Günther, IV, 386; orthotype *MULLUS FASCIATUS* Thunberg (1776).
A synonym of *THALLIURUS* Sw.

743A. GÜNTHER (1861). *On a Collection of Fishes Sent by Capt. Dow from the Pacific Coast of Central America.* Proc. Zool. Soc. London.

ALBERT GÜNTHER.

Cremonobates Günther, 374; orthotype *AUCHENOPTERUS MONOPHTHALMUS* Gthr.
A substitute for *AUCHENOPTERUS* Gthr., preoccupied as *AUCHENIPTERUS*.

744. JEITTELES (1861). *Zoologische Mittheilungen. I. Ueber zwei für die Fauna Ungarns neue Fische, Lucioperca volgensis Cuv. und Val. und Alburnus maculatus Kessler.* Verh. Zool. Bot. Ges. Wien, XI.

LUDWIG HEINRICH JEITTELES (1830-1883).

Alburnoides Jettelles, XI, 325; orthotype *ALBURNUS MACULATUS* Kessler.

745. KEYSERLING (1861). *Neue Cypriniden aus Persien.* Zeits. Ges. Naturw. Berlin, XVII.

EUGEN VON KEYSERLING (1833-1889).

Bungia Keyserling, XVII, 18; orthotype *B. NIGRESCENS* Keys.

746. KRÖYER (1861). *Nogle Bidrag til Nordisk ichthyologi.* Nat. Tidsskr. 1861.
HENRIK NICOLAI KRÖYER.

Careproctus Krøyer, I, 257; orthotype *C. REINHARDTI* Krøyer.

746A. MOLIN (1861). *De Rajibus tribus Bolcanis.* XLII. *Raffaele Molin.*
Sitzb. Akad. Wiss. Wien.

Alexandrinus Molin, 579; orthotype *A. MOLINI* Zigno (fossil) (*Mem. Rcale Inst. Veneto*, VIII, 299, 1874) = *RAJA MURICATA* Volta, 1796. A synonym of *TÆNIURA* M. & H.

WILHELM CARL HARTWIG PETERS.

747. PETERS (1861). *Ueber zwei neue Gattungen von Fischen . . . aus dem Ganges, etc.* Mon. Akad. Wiss. Berlin.

WILHELM CARL HARTWIG PETERS.

Pterocryptis Peters, 712; orthotype *PTEROCRYPTIS GANGETICA* Peters.

Acanthocobitis Peters, 712; orthotype *A. LONGIPINNIS* Peters.

748. POEY (1861). *Poissons de Cuba.* Memorias de Cuba, II, June, 1861.

FELIPE POEY Y ALOY.

Hollandia Poey, II, 348; orthotype *H. HOLLARDI* Poey.

Limia Poey, II, 383; orthotype *PÆCILIA VITTATA* Guich. A synonym of *PÆCILIA* Bl. & Schn.

Prospinus Poey, II, 388; logotype *PLECTROPOMA CHLOROPTERUM* Cuv. & Val. A synonym of *ALPHESTES* Bl. & Schn.

Decaptus Poey, II, 391; orthotype *SERIOLA PINNULATA*. Poey. A synonym of *ELAGATIS* Bennett.

749. SALTER (1861). (*Byssacanthus*.) Mem. Geol. Soc., 1861.

JOHN WILLIAM SALTER (1820-1869).

Byssacanthus Salter, 244; orthotype a finspine allied to *SPHENACANTHUS* (fossil).

750. SCHMID (1861). *Die Fischfauna der Trias bei Jena*. Nova Acta Acad. Cæs. Leop.-Carol. XXIX, 1862 (separates in 1861).

E. E. SCHMID.

Thelodus Schmid, XXIX, 27; logotype *T. INFLATUS* Schmid (fossil). A synonym of *ASTERODON*.

751. SYMONDS (1861). *Old Bones*.

WILLIAM SAMUEL SYMONDS (1818-1887).

Lophodus Symonds, 103; (orthotype *ACRODUS KEUPERIANUS* M. & S.) (fossil) (not *LOPHODUS* Romanowsky, 1864).

752. VALENCIENNES (1861). (*Acanthomullus*.) Comptes Rendus Acad. Sci. Paris, LII, 1861.

ACHILLE VALENCIENNES.

Acanthomullus Valenciennes, LII, 300; orthotype *A. ISABELLE* Val. (fossil).

1862

753. BLEEKER (1862). *Notice sur le genre Trachinus et ses espèces*. Versl. Akad. Amsterdam (reprinted from 1861).

PIETER BLEEKER.

Pseudotrachinus Bleeker, 113; orthotype *P. RADIATUS* Blkr.

Echiichthys Bleeker, 117; orthotype *E. VIPERA* Blkr.

754. BLEEKER (1862). *Conspectus generum Labroideorum analyticus*. Versl. Akad. Amsterdam, XIII, 1862, 94-109.

PIETER BLEEKER.

Pseudocheilinus Bleeker, 95; orthotype *CHEILINUS HEXATELIA* Blkr.

Pseudocoris Bleeker, 97; orthotype *JULIS HETEROPTERUS* Blkr.

Pseudojulis Bleeker, 99; orthotype *P. GIRARDI* Blkr.

PlatyGLOSSUS (Klein) Bleeker, 99; orthotype *HALICHERES MARGINATUS* Rüppell.

Hemitautoga Bleeker, 101; orthotype *TAUTOGA NOTOPHTHALMUS* Blkr. A synonym of *CORIS* Lac.

Macropharyngodon Bleeker, 100; orthotype *JULIS GEOFFROYI* Blkr.

Guntheria Bleeker, 101; orthotype *JULIS TRIMACULATA*, Q. & G.

LeptoJULIS Bleeker, 100; orthotype *L. CYANOPLEURA* Blkr.

Hemitautoga Bleeker, 101; orthotype *TAUTOGA NOTOPHTHALMUS* Blkr. A synonym of *GUNTHERIA* Blkr.

Pseudolabrus Bleeker, 101; orthotype *LABRUS RUBIGINOSUS* T. & S. (preoccupied) = *L. JAPONICUS* Houttuyn.

Novaculichthys Bleeker, 102; orthotype *LABRUS MACROLEPIDOTUS* Bloch.

Diproctacanthus Bleeker, 104; orthotype *LABROIDES XANTHURUS* Blkr.

755. BLEEKER (1862). *Sixième mémoire sur la fauna ichthyologique de l'île Batjan*. Versl. Akad. Amsterdam, XIV, 1862, 99-112.

PIETER BLEEKER.

- Enchelyopus** (Klein) Bleeker, 109; orthotype *TRICHIURUS LEPTURUS* L., not of Gronow. A synonym of *TRICHIURUS* L.
- Eleutheronema** Bleeker, 110; orthotype *POLYNEMUS TETRADACTYLUS* Shaw.
756. BLEEKER (1862). *Sur quelques genres de la famille des Pleuronectoides*, Versl. Akad. Amsterdam, XIII.
 PIETER BLEEKER.
- Citharus** Bleeker, XIII, 424; tautotype *PLEURONECTES CITHARUS* Spinola = *P. LINGUATULA* L. Same as *CITHARUS* Röse, 1793; the later *CITHARUS*, being preoccupied, has been replaced by *EUCITHARUS* Gill.
- Hemirhombus** Bleeker, XIII, 425; orthotype *H. GUINEENSIS* Bleeker. A synonym of *SYACIUM* Ranzani.
- Clidoderma** Bleeker, XIII, 425; orthotype *PLEURONECTES ASPERRIMA*, T. & S.
- Pseudorhombus** Bleeker, XIII, 426; orthotype *RHOMBUS POLYSPILOS* Blkr. Includes *RHOMBISCUS* Jordan & Snyder.
- Citharichthys** Bleeker, XIII, 427; orthotype *C. CAYENNENSIS* Blkr. = *C. SPILOPTERUS* Günther.
- Arnoglossus** Bleeker, XIII, 427; tautotype *PLEURONECTES ARNOGLOSSUS* Bl. & Schn. = *PLEURONECTES LATERNA* Walbaum.
- Platysomatichthys** Bleeker, XIII, 426; orthotype *PLEURONECTES PINGUIS* Fabricius. A synonym of *REINHARDTIUS* Gill.
- Brachyprosopon** Bleeker, XIII, 428; orthotype *PLEURONECTES MICROCEPHALUS* Donovan = *P. KITT* Walbaum. A synonym of *CYNICOGLOSSUS* Bon.
- Pseudopleuronectes** Bleeker, XIII, 428; orthotype *PLATESSA PLANA* Storer.
- Heteroprosopon** Bleeker, XIII, 429; orthotype *PLEURONECTES CORNUTUS* T. & S. A synonym of *PLEURONICHTHYS* Girard.
757. BLEEKER (1862). *Notices ichthyologiques (I-X)*. Versl. Akad. Amsterdam, XIV, 1862, 123-141.
 PIETER BLEEKER.
- Pseudupeneus** Bleeker, 134; orthotype *P. PRAYENSIS* Blkr.
758. BLEEKER (1862). *Description de quelques espèces nouvelles de Silures de Suriname*. Versl. Akad. Amsterdam, XIV.
 PIETER BLEEKER.
- Pseudorhamdia** Bleeker, 384; orthotype *PIMELODUS ASCITA* Blkr. (not *SILURUS ASCITA* L.) = *PIMELODUS MACULATUS* Lac. A synonym of *PIMELODUS* Lac. as restricted by Gill and authors generally. Bleeker (1862) limits *PIMELODUS* to *P. BAGRE*, allowing it to replace *FELICHTHYS* Sw. and *AILURICHTHYS* Baird (as also *BAGRE* Cuv., Oken).
759. BLEEKER (1862). *Notice sur les genres Parasilurus, Eutropiichthys, Pseudeutropius et Pseudopangasius*. Versl. Akad. Amsterdam, XIV, 1862, 390-399.
 PIETER BLEEKER.
- Parasilurus** Bleeker, 394; orthotype *P. JAPONICUS* T. & S. = *SILURUS ASOTUS* L. Same as *GLANIS* Ag., 1856, not of Gronow, 1854.
- Pseudeutropius** Bleeker, 398; orthotype *P. BRACHYPTERUS* Blkr.
- Eutropiichthys** Bleeker, 398; orthotype *E. VACHA* Blkr.
- Pseudopangasius** Bleeker, 399; orthotype *P. POLYURANODON* Blkr.
760. BLEEKER (1862). *Notice sur les genres Trachelyopterichthys, Hemicetopsis et Pseudocetopsis*. Versl. Akad. Amsterdam, XIV.
 PIETER BLEEKER.

Trachelyopterichthys Bleeker, XIV, 402; orthotype *T. TENIATUS* Kner.

Hemicetopsis Bleeker, 403; orthotype *CETOPSIS CANDIRA* Ag.

Pseudocetopsis Bleeker, 403; orthotype *CETOPSIS GOBIOIDES* Kner.

761. BLEEKER (1862). *Atlas ichthyologique des Indes Orientales Néerlandaises, publié sous les auspices du gouvernement colonial néerlandais*. Tome II, *Siluroides*, etc.

PIETER BLEEKER.

This notable paper was soon followed by another in which most of these genera occur. This is *Systema Silurorum revisum*. Ned. Tijdschr. Dierk., I, 1863, 77-122.

Pseudancistrus Bleeker, 2; orthotype *HYPOSTOMUS BARBATUS* Cuv. & Val.

Hemiancistrus Bleeker, 2; orthotype *ANCISTRUS MEDIANS* Kner.

Parancistrus Bleeker, 2; orthotype *HYPOSTOMUS AURANTIACUS* Castelnau.

Pseudacanthicus Bleeker, 2; orthotype *HYPOSTOMUS SERRATUS* Cuv. & Val.

Pseudorinelepis Bleeker, 3; orthotype *RINELEPIS GENIBARBIS* Cuv. & Val.

Loricariichthys Bleeker, 3; orthotype *LORICARIA MACULATA* Bloch.

Pseudoloricaria Bleeker, 3; orthotype *LORICARIA LEVIUSCULA* Cuv. & Val.

Parahemiodon Bleeker, 3; orthotype *P. TYPUS* Blkr. A synonym of *LORICARIICHTHYS* Blkr.

Hemiloricaria Bleeker, 3; orthotype *H. CARACASENSIS* Blkr.

Pseudohemiodon Bleeker, 3; orthotype *HEMIODON PLATYCEPHALUS* Kner.

Rineloricaria Bleeker, 3; orthotype *L. LIMA* Kner.

Hemiodontichthys Bleeker, 4; orthotype *H. ACIPENSERINUS* Kner.

Oxyloricaria Bleeker, 5; orthotype *L. BARBATA* Kner.

Rhinodoras Bleeker, III, 5; orthotype *ONYDORAS D'ORBIGNYI* (Kröyer). A synonym of *ONYDORAS*.

Lithodoras Bleeker, 5; orthotype *DORAS LITHOGASTER* Heckel. A synonym of *CENTROCHIR* Ag.

Platyodoras Bleeker, 5; orthotype *DORAS COSTATUS* L. A synonym of *DORAS*, as restricted by Günther and Eigenmann, not by Bleeker.

Pterodoras Bleeker, 5; orthotype *DORAS GRANULOSUS* Val. A synonym of *CENTROCHIR* Ag.

Acanthodoras Bleeker, 5; orthotype *SILURUS CATAPHRACTUS* L.

Astrodoras Bleeker, 5; orthotype *DORAS ASTERIFRONS*: Kner. A synonym of *CENTROCHIR* Ag.

Amblyodoras Bleeker, 6; orthotype *DORAS AFFINIS* Kner.

Brachysynodontis Bleeker, 6; orthotype *SYNODONTIS BATENSODA* Rüppell.

Pseudosynodontis Bleeker, 6; orthotype *SYNODONTIS SERRATUS* Rüppell.

Hemisyndontis Bleeker, 6; orthotype *PIMELODUS MEMBRANACEUS* Geoffroy.

Leiosynodontis Bleeker, 6; orthotype *SYN. MACULOSUS* (young of *SILURUS SCHAL* Bl. & Schn.).

Pseudauchenipterus Bleeker, 6; orthotype *SILURUS NODOSUS* Bloch.

Parauchenipterus Bleeker, 7; orthotype *SILURUS GALEATUS* L. A synonym of *TRACHYCORYSTES* Blkr.

Auchenipterichthys Bleeker, 7; orthotype *AUCH. THORACATUS* Kner.

Hemiaris Bleeker, 7; orthotype *CEPHALOCASSIS STORMI* Blkr.

Pseudarius Bleeker, 8; orthotype *ARIUS ARIUS* Cuv. & Val. A synonym of *TACHYSURUS* Lac. = *ARIUS* Cuv. & Val.

Diplomystes (Duméril) Bleeker, 8; orthotype *ARIUS PAPILLOSUS* Cuv. & Val. (after les *DIPLOMYSTES* Dum.). Spelled *DIPLOMYSTAX* by Günther, 1864.

- Paradiplomystes** Bleeker, 8; orthotype *PIMELODUS CORUSCANS* Lichtenstein.
Bagrichthys Bleeker, 9; orthotype *B. HYPSELOPTERUS* Blkr.
Pseudobagrichthys Bleeker, 9; orthotype *BAGROIDES MACROPTERUS* Blkr.
Hemibagrus Bleeker, 9; orthotype *BAGRUS NEMURUS* Cuv. & Val.
Aspidobagrus Bleeker, 9; orthotype *BAGRUS GULIO* Cuv. & Val.
Hypselobagrus Bleeker, 10; orthotype *BAGRUS MACRONEMA* Blkr. Identical with *MYSTUS* (Gronow) Scopoli, 1763, as restricted by Jordan.
Hemisorubim Bleeker, 10; orthotype *PLATYSTOMA PLATYRHYNCHOS* Cuv. & Val.
Brachyplatystoma Bleeker, 10; orthotype *PLATYSTOMA VAILLANTI* Cuv. & Val.
Pseudoplatystoma Bleeker, 10; orthotype *SILURUS FASCIATUS* L.
Hemiplatystoma Bleeker, 10; orthotype *PLATYSTOMA TIGRINUM* Cuv. & Val.
 A synonym of *PSEUDOPLATYSTOMA*.
Sorubimichthys Bleeker, 10; orthotype *SORUBIM JANDIA* Spix.
Platystomaticthys Bleeker, 10; orthotype *PLATYSTOMA STURIO* Kner.
Leiaris Bleeker, 10; orthotype *A. LONGIBARBUS* Castelnau.
Pseudariodes Bleeker, 11; orthotype *SILURUS CLARIAS* Bloch, not of Linnæus, after Hasselquist. A synonym of *PIMELODUS* Lac.
Malacobagrus Bleeker, 11; orthotype *PIMELODUS FILAMENTOSUS* Lichtenstein. Perhaps synonym of *PIRATINGA*.
Pirarara (Spix) Bleeker, 11; orthotype *SILURUS HEMILIOPTERUS* Bl. & Schn.
Parabagrus Bleeker, 11; orthotype *PIMELODUS PUSILLUS* Ranzani.
Pseudocalophysus Bleeker, 12; orthotype *PIMELODUS CTENODUS* Ag. = *CALOPHYSUS MACROPTERUS*. A synonym of *CALOPHYSUS* Müller.
Aglyptosternon Bleeker, 12; orthotype *SILURUS COUS* L.
Tetranematicthys Bleeker, 14; orthotype *AGENIOSUS QUADRIFILIS* Kner.
Pseudageneiosus Bleeker, 14; orthotype *AGENIOSUS BREVIFILIS* Cuv. & Val.
Pseudohypophthalmus Bleeker 15; orthotype *H. FIMBRIATUS* Kner = *H. EDENTULUS* Spix. A synonym of *HYPOPHthalmus* Spix.
Paracetopsis (Guichenot) Bleeker, 16; orthotype *P. BLEEKERI* Guich.
Wallago Bleeker, 17; orthotype *SILURUS ATTU* Bl. & Schn.
Silurodes Bleeker, 17; orthotype *S. HYPOPHthalmus* Blkr.
Catostoma (Kuhl & Van Hasselt) Bleeker, 28; orthotype *ARIUS NASUTUS* Val. An undefined synonym of *NETUMA* Blkr.
762. BLEEKER (1862). *Beskrifning en afdeeling van eene nieuwe soort van Brama (Abramis)*.
 PIETER BLEEKER.
- Brama** (Klein) Bleeker, 211; type *CYPRINUS BRAMA* L. *ABRAMIS* Cuv., not *BRAMA* Bloch.
- 763, 764. COSTA (1862). (*Fossil Fishes.*) *Atti Reale Inst. Napoli*, VI.
 GABRIELE ORONZIO COSTA.
- Giffonus** Costa, VI, App. 26; orthotype *G. DEPERDITUS* Costa (fossil).
Urocomus Costa, VI, 32; orthotype *U. PICENUS* Costa (fossil). Doubtful fragments.
765. (COSTA 1862). *Di un novello genere di pesci Esocetidi*. *Ann. Mus. Zool. Univ. Napoli*, 1862, I.
 ACHILLE COSTA (1823-).
- Grammiconotus** Costa, I, 54; orthotype *G. BICOLOR* Costa = *SCOMBEROSOX RONDELETI* Cuv. & Val. Differs from *SCOMBEROSOX* in lacking the air bladder; jaws short.

766. COUCH (1862). *The History of the Fishes of the British Islands*. 1.
JONATHAN COUCH.
Polyprosopus Couch, I, 67; orthotype *P. RASHLEIGHANUS* Couch. = *SQUALUS MAXIMUS* Gunner. A synonym of *CETORHINUS* Blainv.
767. DYBOWSKI (1862). *Versuch einer Monographie der Cypriniden Livlands*.
Arch. Naturg. Biol. Dorpat (1864, separates in 1862).
BENEDIKT IVAN DYBOWSKI (1834-).
Owsianka Bybowski, 146; orthotype *ASPIUS OWSIANKA* Cernay = *O. CZERNAYI* Dybowski = *SQUALIUS BILINEATUS* Heckel. A synonym of *LEUCASPIUS* Heckel.
768. GILL (1862). *Notice of a New Species of Hemilcpidotus and Remarks on the Group (Temnistiæ) of Which It Is a Member*. Proc. Acad. Nat. Sci. Phila., XIV.
Oncocottus Gill, 13; orthotype *COTTUS QUADRICORNIS* L.
769. GILL (1862). *On the Subfamily of Argentininae*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Retropinna Gill, 14; orthotype *ARGENTINA RETROPINNA* Rich. = *RETROPINNA RICHARDSONI* Gill.
Mesopus Gill, 14; orthotype *ARGENTINA PRETIOSA* Grd. An error for *HYPOMESUS*; an error at once corrected by Gill. *HYPOMESUS* should therefore stand.
Hypomesus Gill, 15; orthotype *ARGENTINA PRETIOSA* Grd. A synonym of *MESOPUS* Gill, page 14, one or the other being left through defective proof-reading.
770. GILL (1862). *Appendix to the Synopsis of the Subfamily of Percinae*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Chorististium Gill, 15; orthotype *LLOPROPOMA RUBRA* Poey.
Siniperca Gill, 16; orthotype *PERCA CHUATSI* Basilewsky.
771. GILL (1862). *Notes on the Scianoids of California*. Proc. Acad. Nat. Sci. Phila., I.
Cirrimens Gill, 17; orthotype *UMERINA OPHIOCEPHALA* Jenyns.
Brachydeuterus Gill, 17; orthotype *LARIMUS AURITUS* Cuv.
Odontoscion Gill, 18; orthotype *CORVINA DENTEX* Cuv. & Val.
Atractoscion Gill, 18; orthotype *OTOLITHUS ÆQUIDENS* Cuv. & Val.
Archoscion Gill, 18; orthotype *OTOLITHUS ANALIS* Jenyns.
Apseudobranchus Gill, 18; orthotype *OTOLITHUS TOEROE* Cuv. & Val. = *CHEILODIP-TERUS ACOUPA* Lac. A synonym of *CYNOSCIION* Gill.
Isopisthus Gill, 18; orthotype *ANCYLODON PARVIPINNIS* Cuv. & Val.
772. GILL (1862). *Synopsis of the Family of Cirrhitoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Amblycirrhitus Gill, 105; orthotype *CIRRHITES FASCIATUS* Cuv. & Val.
Cirrhitopsis Gill, 109; orthotype *C. AUREUS* T. & S. A synonym of *CIRRHITICHTHYS* Blkr.
Dactylosargus Gill, 110; orthotype *APLOPODACTYLUS ARCIDENS* Rich.
Crinodus Gill, 112; orthotype *HAPLODACTYLUS LOPHODON* Gthr.
Acantholatrís Gill, 114; orthotype *CHELODON MONODACTYLUS* Carmichael.
Chirodactylus Gill, 114; orthotype *CHEILODACTYLUS ANTONII* Cuv. & Val.
Dactylopagrus Gill, 114; orthotype *CHEILODACTYLUS CARPONEMUS* Cuv. & Val.
Called *DACTYLOSPARUS* on page 117.

- Latridopsis** Gill, 115; orthotype *ANTHIAS CILIARIS* Bloch.
- Dactyloparus** Gill, 117; orthotype *CHEILONEMUS CARPONEMUS* Cuv. & Val. A synonym of *DACTYLOPAGRUS* Gill; the two names left through defective proof reading.
- Goniistius** Gill, 120; orthotype *CHEIL. ZONATUS* Cuv. & Val.
773. GILL (1862). *On the Limits and Arrangements of the Family of Scombroids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Grammatorcynus** Gill, 125; orthotype *THYNNUS BILINEATUS* Rüppell. Misspelled *GRAMMATORYCNUS*.
- Gymnosarda** Gill, 125; orthotype *THYNNUS UNICOLOR* Rüppell.
- Orcynopsis** Gill, 125; orthotype *SCOMBER UNICOLOR* Geoffroy St. Hillaire. (Misprinted *ORYCNOPSIS*.)
- Lepidocybium** Gill, 125; orthotype *CYBIUM FLAVOBRUNNEUM* Smith. A synonym of *SCOMBEROMORUS* Lac.
- Acanthocybium** Gill, 125; orthotype *CYBIUM SARA* Bennett.
- Thyrstips** Gill, 125; orthotype *THYRSITES LEPIDOPOIDES* Cuv. & Val.
- Eupleurogrammus** Gill, 126; orthotype *TRICHIURUS MUTICUS* Gray.
- Zenopsis** Gill, 126; orthotype *ZEUS NEBULOSUS* T. & S.
- Cyttopsis** Gill, 126; orthotype *ZEUS ROSEUS* Lowe.
- Chondroplites** Gill, 126; orthotype *STROMATEUS ATOUS* Cuv. & Val.
- Poronotus** Gill, 126; orthotype *STROMATEUS TRIACANTHUS* Peck.
- Hoplocoryphus** Gill, 127; orthotype *SCHEDOPHILUS MACULATUS* Gthr.
- Clara** Gill, 127; orthotype *EQUULA LONGIMANUS* Cantor. A synonym of *PENTAPRION* Blkr.
- Psenopsis** Gill, 127; orthotype *TRACHINOTUS ANOMALUS* T. & S.
774. GILL (1862). *Descriptions of New Species of Alepisauroidæ*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Caulopus** Gill, 128; orthotype *ALEPIDOSAURUS BOREALIS* Gill.
775. GILL (1862). *On the West African Genus Hemichromis, etc.* Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Epiplatys** Gill, 136; orthotype *E. SEXFASCIATUS* Gill.
- Marcusenius** Gill, 139; orthotype *MORMYRUS CYPRINOIDES* L. Name later, page 444, by some confusion transferred to *MORMYRUS ANGUILLOIDES* L.
- Mormyroides** Gill, 139; orthotype *MORMYRUS HASSELQUISTI* Geoffroy.
- Hyperopisus** Gill, 139; orthotype *MORMYRUS DORSALIS* Geoffroy.
776. GILL (1862). *Catalogue of the Fishes of Lower California . . . Collected by Mr. J. Xantus*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Lepidaplois** Gill, 10; orthotype *COSSYPHUS AXILLARIS* Cuv. & Val.
- Chærojulis** Gill, 142; orthotype *JULIS SEMICINCTUS* Ayres. A substitute for *HALICHERES* Rüppell, preoccupied by *HALICHERUS*; a synonym of *HEMIJULIS* Sw., as restricted by Bonaparte.
- Iniistius** Gill, 143; orthotype *XYRICHTHYS PAVO* Cuv. & Val.
- Malacocentrus** Gill, 143; orthotype *XYRICHTHYS TENIURUS* Cuv. & Val.

- Oxycheilinus** Gill, 143; orthotype CHEILINUS ARENATUS Cuv. & Val.
Euschistodus Gill, 145; orthotype E. DECLIVIFRONS Gill. A synonym of GLYPHISODON Lac.
777. GILL (1862). *On a New Genus Allied to Aulorhynchus and on the Affinities of the Family Aulorhynchoidæ to Which It Belongs.* Proc. Acad. Nat. Sci. Phila., XIV.
- Aulichthys** (Brevoort) Gill, 234; orthotype A. JAPONICUS Brevoort.
Acentrachme Gill, 234; orthotype AMPHISILE SCUTATA Cuv. = CENTRISCUS SCUTATUS L. A synonym of CENTRISCUS L. AMPHISILE (Klein) Gill is the genus ÆOLISCUS Jordan & Starks. AMPHISILE Cuv. (SCUTATUS) is CENTRISCUS.
Orthichthys Gill, 234; orthotype CENTRISCUS VELITARIS Pallas.
Centriscops Gill, 234; orthotype CENTRISCUS HUMEROSUS Rich.
778. GILL (1862). *Remarks on the Relations of the Genera and Other Groups of Cuban Fishes.* Proc. Acad. Nat. Sci. Phila.
 THEODORE GILL.
- Haliperca** Gill, 236; logotype SERRANUS BIVITTATUS Cuv. & Val.
Mentiperca Gill, 236; orthotype SERRANUS LUCIOPERCANUS Poey.
Hypoplectrus Gill, 236; orthotype PLECTROPOMA PUELLA Cuv. & Val.
Hypoplectrodes Gill, 236 (no definition); orthotype PLECTROPOMA NIGRORUBRUM Cuv. & Val. Same as GILBERTIA Jordan & Eigenmann, 1890.
Acanthistius Gill, 236; orthotype PLECTROPOMA SERRATUM Cuv. & Val.
Ocyurus Gill, 236; orthotype SPARUS CHRYSURUS Bloch.
Proamblys Gill, 236; orthotype DIACOPE NIGRA Cuv. = DIACOPE MACOLOR Cuv. & Val. A synonym of MACOLOR Blkr. (1860).
Gonioplectrus Gill, 236 orthotype PLECTROPOMA HISPANUM Cuv. & Val.
Plectroplites Gill, 236; orthotype DATNIA AMBIGUA Rich.
Rhomboplites Gill, 236; orthotype CENTROPRISTES ACORRUBENS Cuv. & Val.
Brachyrhinus Gill, 236; orthotype SERRANUS CREOLUS Cuv. & Val. = S. FURCIFER Cuv. & Val. Name preoccupied; replaced by PARANTHIAS Guich. (1868).
Platyinius Gill, 236; orthotype MESOPRION VORAX Poey.
Gonioperca Gill, 236; orthotype SERRANUS ALBOMACULATUS Jenyns. A synonym of PARALABRAX Grd.
Labroperca Gill, 236; orthotype SERRANUS LABRIFORMIS Jenyns. A synonym of EPINEPHELUS Bloch.
Mycteroperca Gill, 236; orthotype SERRANUS OLFAJ Jenyns.
Hypoplites Gill, 236; orthotype MESOPRION RETROSPINIS Cuv. & Val.
Evoplites Gill, 236; orthotype MESOPRION POMACANTHUS Blkr.
Schistorus Gill, 237; orthotype SERRANUS MYSTACINUS Poey.
Lioperca Gill, 237; orthotype SERRANUS INERMIS Cuv. & Val. A synonym of DERMATELEPIS Gill.
Rhinoberyx Gill, 237; orthotype RHYNCHICHTHYS BRACHYRHYNCHUS Blkr. A larval form allied to HOLOCENTRUS
Plectrypops Gill, 237; orthotype HOLOCENTRUM RETROSPINIS Guich.
Centroberyx Gill, 238; orthotype BERYX LINEATUS Cuv. & Val.
Synistius Gill, 238; orthotype GERRES LONGIROSTRIS Rüppell.
Nandopsis Gill, 238; orthotype CHROMIS TETRACANTHUS Poey.
Odontoscion Gill, 238; orthotype JOHNIUS DENTEX Cuv. & Val.
Orcynus Gill, 238; orthotype SCOMBER THYNNUS L. A substitute for ORCYNUS Cuv., preoccupied, of which name it was originally a misprint (Cooper); a synonym of THUNNUS South.

- Sarothrodus** Gill, 238; orthotype *CHÆTODON STRIATUS* L. Substitute for *CHÆTODON* L., the name transferred to *POMACANTHUS*, the first species named by Artedi being a *POMACANTHUS*.
- Prognathodes** Gill, 238; orthotype *CHELMO PELTS* Gthr. (not *PROGNATHODUS* Owen).
- Carangops** Gill, 238; orthotype *CARANX HETEROPYGUS* Poey. A synonym of *HEMICARANX* Blkr. of the same date. Both are apparently synonyms of *ALEPES* Sw., 1839.
- Trachurops** Gill, 238; orthotype *SCOMBER PLUMIERI* Bloch = *SCOMBER CRUMENOPHTHALMUS* Bloch.
- Remora** Gill, 239; orthotype *ECHENEIS REMORA* L. This adjustment restricts *ECHENEIS* L. to *E. NAUCRATES* L. It is earlier than any other and must stand.
- Remiflegia** Gill, 239; orthotype *ECHENEIS SCUTATA* Gthr.
- Phtheirichthys** Gill, 239; orthotype *ECHENEIS LINEATA* Menzies.
- Caulolatilus** Gill, 240; orthotype *LATILUS CHRYSOPS* Cuv. & Val.
- Lophogobius** Gill, 240; orthotype *GOBIOUS CRISTAGALLI* Cuv. & Val.
- Dormitator** Gill, 240; logotype *D. GUNDLACHI* Poey.
- Gnathypops** Gill, 241; logotype *OPISTHOGNATHUS MAXILLOSUS* Poey.
- Lonchopisthus** Gill, 241; orthotype *OPISTHOGNATHUS MICROGNATHUS* Poey.
779. GILL (1862). *Catalogue of the Fishes of Lower California . . . Collected by Mr. J. Xantus*. Part II. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Pomacanthodes** Gill, 244; orthotype *P. ZONIPECTUS* Gill.
- Incisidens** Gill, 244; orthotype *CRENIDENS SIMPLEX* Rich.
- Opisthistius** Gill, 245; orthotype *SCIÆNA TAHMEL* Forskål.
- Orthostæchus** Gill, 255; orthotype *O. MACULICAUDA* Gill.
- Microlepidotus** Gill, 255; orthotype *M. INORNATUS* Gill.
- Genytrems** Gill, 256; orthotype *PRISTIPOMA BILINEATUM* Cuv. & Val. A section under *ANISOTREMUS* Gill.
- Genyatremus** Gill, 256; orthotype *DIAGRAMMA CAVIFRONS* Cuv. & Val.
- Pristocantharus** Gill, 256; orthotype *PRISTIPOMA CANTHARINUM* Jenyns. A synonym of *ORTHOPRISTIS* Grd.
- Nematistius** Gill, 258; orthotype *N. PECTORALIS* Gill.
- Eustomatodus** Gill, 261; logotype *DECAPTERUS KURROIDES* Blkr. A synonym of *DECAPTERUS* Blkr.
- Gymneipignathus** Gill, 261; orthotype *DECAPTERUS MACROSOMA* Blkr.
- Evepigymnus** Gill, 261; orthotype *DECAPTERUS HYPODUS* Gill.
780. GILL (1862). *Notes on a Collection of the Fishes of California. . . . by Samuel Hubbard*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Hypocritichthys** Gill, 275; orthotype *HYPERPROSOPON ANALIS* Alex. Agassiz
- Brachyistius** Gill, 275; orthotype *B. FRENATUS* Gill.
- Oxylebius** Gill, 277; orthotype *O. PICTUS* Gill.
- Sebastopsis** Gill, 278; orthotype *SEBASTES POLYLEPIS* Cuv. & Val. A synonym of *SCORPÆNODES* Blkr.
- Eucyclogobius** Gill, 279; orthotype *GOBIOUS NEWBERRYI* Grd.
- Melanotænia** Gill, 280; orthotype *ATHERINA NIGRANS* Rich.
- Melanogrammus** Gill, 280; orthotype *GADUS ÆGLIFINUS* L.
- Brachygadus** Gill, 280; orthotype *GADUS MINUTUS* Yarrell. A synonym of *TRISOPTERUS* Raf., 1814.

781. GILL (1862). *Synopsis of the Species of Lophobranchiate Fishes of Western North America*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Dermatostethus Gill, 283; orthotype *D. PUNCTIPINNIS* Gill.
782. GILL (1862). *Note on Some Genera of Fishes of Western North America*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Sebastichthys Gill, 329; orthotype *SEBASTES NIGROCINCTUS* Ayres.
Paratractus Gill, 330; orthotype *CARANX PISQUETOS* Cuv. & Val. = *SCOMBER CRYOSUS* Mitchill. A section under *CARANX*.
Caularchus Gill, 330; orthotype *LEPADOGASTER RETICULATUS* Grd. (*GOBIOSEX MEANDRICUS* Grd.).
Eumicrotremus Gill, 330; orthotype *CYCLOPTERUS ORBIS* Müller.
Hypsifario Gill, 330; orthotype *SALMO KENNERLYI* Suckley, a landlocked form of *ONCORHYNCHUS NERKA* (Walbaum). The genus may be valid, as distinguished by the long and numerous gill-rakers.
Lepidopsetta Gill, 330; orthotype *PSETTICHTHYS UMBROSUS* Grd.
Hypopsetta Gill, 330; orthotype *PLEURONICHTHYS GUTTULATUS* Grd.
Orthopsetta Gill, 330; orthotype *PSETTICHTHYS SORDIDUS* Grd.
Uropsetta Gill, 330; orthotype *HIPPOGLOSSUS CALIFORNICUS* Ayres. A synonym of *PARALICHTHYS* Grd.
Hydrolagus Gill, 331; orthotype *CHIMÆRA COLLIEI* Lay & Bennett.
Gyropleurodus Gill, 331; orthotype *CESTRACION FRANCISCI* Grd.
Holorhinus Gill, 331; orthotype *RHINOPTERA VESPERTILIO* Grd. = *MYLIOBATIS CALIFORNICUS* Gill. A section under *MYLIOBATIS* Dum.
Entosphenus Gill, 331; orthotype *PETROMYZON TRIDENTATUS* Rich.
783. GILL (1862). *Synopsis of the Carangoids of the Eastern Coast of North America*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Naucratopsis Gill, 441; orthotype *SERIOLA GIGAS* Gthr.
Halatractus Gill, 442; logotype *SERIOLA DUMERILI* Cuv. & Val. A substitute for *SERIOLA*, used in botany; a reason for change no longer recognized.
784. GILL (1862). *Description of a New Generic Type of Mormyroids, etc.* Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Isichthys Gill, 443; orthotype *I. HENRYI* Gill.
Gnathonemus Gill, 444; orthotype *MORMYRUS PETERSI* Gthr.
785. GILL (1862). *On the Classification of the Families and Genera of the Squali of California*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
Rhinotriacis Gill, 486; orthotype *R. HENLEI* Gill.
Tropidodus Gill, 489; orthotype *CESTRACION PANTHERINUS* Val.
Entoxychirus Gill, 496; orthotype *SQUALUS UYATO* Raf. A synonym of *CENTROPHORUS* M. & H.
786. GILL (1862). *On the Limits and Affinity of the Family of Leptoscopoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.

Dactylagnus Gill, 504; orthotype *D. MUNDUS* Gill.

787. GILL (1862). *Synopsis of the Genera of the Subfamily of Pimelodinae*. Proc. Boston Soc. Nat. Hist. for 1861 (1862), VIII.

THEODORE GILL.

Branchiosteus Gill, 52; orthotype *OLYRA LATICEPS* McCl.

788. GÜNTHER (1862). *Catalogue of the Fishes in the British Museum*. IV. ALBERT GÜNTHER.

Lepidozygus Günther, IV, 15; orthotype *POMACENTRUS TAPEINOSOMA* Blkr.

Microspathodon Günther, IV, 35; orthotype *GLYPHODON CHRYSURUS* Cuv. & Val. Apparently a synonym of *STEGASTES* Jenyns, 1842.

Parma Günther, IV, 57; logotype *P. MICROLEPIS* Gthr.

Tautogolabrus Günther, IV, 89; orthotype *CTENOLABRUS BURGALL* Gthr. = *LABRUS ADSPERSUS* Walbaum.

Trochocopus Günther, IV, 100; logotype *T. OPERCULARIS* Gthr.

Decodon Günther, IV, 101; orthotype *COSSYPHUS PUELLARIS* Poey.

Doratonotus Günther, IV, 124; orthotype *D. MEGALEPIS* Gthr.

Cymolutes Günther, IV, 207; logotype *JULIS PRÆTEXTATUS* Q. & G.

Coridodax Günther, IV, 243; *SPARUS PULLUS* Forster.

Pseudotroplus (Bleeker) Günther, IV, 266; orthotype *CHÆTODON SURATENSIS* Bloch.

Chromis (Cuvier) Günther, IV, 267; logotype *CHROMIS NILOTICUS* Cuv., not as restricted to the original tautotype *SPARUS CHROMIS* L. This understanding is that of most modern authors following Gill and Bleeker. *C. CHROMIS* and *C. NILOTICUS* are both included in the *CHROMIS* of Cuvier. *CHROMIS* Gthr. is a synonym of *TILAPIA* Smith.

Theraps Günther, IV, 284; orthotype *T. IRREGULARIS* Gthr.

Mesonauta Günther, IV, 300; orthotype *HEROS INSIGNIS* Heckel.

Petenia Günther, IV, 301; orthotype *P. SPLENDIDA* Gthr.

Hygrogonus Günther, IV, 303; orthotype *LOBOTES OCELLATUS* Ag. A synonym of *ASTRONOTUS* Sw.

Mesops Günther, IV, 311; logotype *GEOPHAGUS CUPIDO* Heckel. Name preoccupied, replaced by *BIOTODOMA* Eigenmann & Kennedy, 1903.

Satanoperca Günther, IV, 312; logotype *GEOPHAGUS ACUTICEPS* Heckel.

Uronectes Günther, IV, 325; orthotype *OPHIDIUM PARRII* Ross. Name preoccupied in crustacea, replaced by *LYCOCARA* Gill, 1884.

Boreogadus Günther, IV, 336; logotype *GADUS FABRICII* Rich.

Halargyreus Günther, IV, 342; orthotype *H. JOHNSONI* Gthr.

Pseudophycis Günther, IV, 350; orthotype *LOTA BREVIUSCULA* Rich.

Læmonema Günther, IV, 356; orthotype *PHYCIS YARRELLI* Lowe.

Haloporphyrus Günther, 358; orthotype *GADUS LEPIDION* Risso. Substitute for *LEPIDION* Sw. regarded as preoccupied by *LEPIDIA*, 1817.

Xiphogadus Günther IV, 374; orthotype *XIPHASIA SETIFER* Sw. A needless substitute for *XIPHASIA* Sw. (1839).

Hyperoplus Günther, IV, 384; orthotype *AMMODYTES LANCEOLATUS* Le Sauvage.

Bleekeria Günther, IV, 387; orthotype *B. KALLOLEPIS* Gthr.

Congrogadus Günther, IV, 388; orthotype *MACHÆRIUM SUBDUCENS*, Rich. A substitute for *MACHÆRIUM*, preoccupied.

Malacocephalus Günther, IV, 396; orthotype *M. LÆVIS* Gthr.

Tephritis Günther, IV, 406; orthotype *PLEURONECTES SINENSIS* Lac. Name preoccupied, replaced by *TEPHRINECTES* Gthr., and later by *VELIFRACTA* Jordan.

- Lepidorhombus** Günther, IV, 407; orthotype **PLEURONECTES MEGASTOMA** Donovan.
Phrynorhombus Günther, IV, 414; orthotype **RHOMBUS UNIMACULATUS** Risso.
Brachypleura Günther, IV, 419; orthotype **B. NOVÆZEELANDIÆ** Gthr.
Engyprosopon Günther, IV, 431; **RHOMBUS MOKKII** Blkr.
Psammodiscus Günther, IV, 457; orthotype **P. OCELLATUS** Gthr.
Rhombosolea Günther, IV, 458; logotype **R. MONOPUS** Gthr.
Ammotretis Günther, IV, 458; orthotype **A. ROSTRATUS** Gthr.
Peltorhamphus Günther, IV, 460; orthotype **P. NOVÆZEELANDIÆ** Gthr.
Buglossus Günther, IV, 462; orthotype **PLEURONECTES VARIEGATUS** Donovan. A synonym of **MICROCHIRUS** Bon.
Microbuglossus Günther, IV, 462; orthotype **SOLEA HUMILIS** Cantor.
Pegusa Günther, IV, 467; logotype **SOLEA AURANTIACA** Gthr.
Pardachirus Günther, IV, 478; logotype **ACHIRUS MARMORATUS** Lac.
Liachirus Günther, IV, 479; orthotype **L. NITIDUS** Gthr.
Anisochirus Günther, IV, 480; orthotype **SYNAPTURA PANOIDES** Blkr.
Soleotalpa Günther, IV, 489; orthotype **S. UNICOLOR** Gthr. A synonym of **APIONICHTHYS** Kaup.
Ammopleurops Günther, IV, 490; orthotype **PLAGUSIA LACTEA** Bon. A synonym of **SYMPHURUS** Raf.
789. GÜNTHER (1862). *Descriptions of New Species of Reptiles and Fishes, etc.*
 Proc. Zool. Soc. London.
 ALBERT GÜNTHER.
- Tyntlastes** Günther, 194; orthotype, **AMBLYOPUS SAGITTA** Gthr.
790. GÜNTHER (1862). *Note on Pleuronectes sinensis* Lac. Ann. Mag. Nat. Hist. X.
 ALBERT GÜNTHER.
- Tephrinectes** Günther, 475; orthotype **PLEURONECTES SINENSIS** Lac. Substitute for **TEPHRITIS** Gthr., preoccupied; replaces **VELIFRACTA** Jordan, a later substitute name.
791. JOHNSON (1862). *Notes on Rare and Little Known Fishes Taken at Madeira.*
 Ann. Mag. Nat. Hist.
 JAMES YATE JOHNSON.
- Pseudomuræna** Johnson, 167; orthotype **P. MADERENSIS** Johnson. A synonym of **PRIODONOPHIS** Kaup.
- Synaphobranchus** Johnson, 169; orthotype **S. KAUPI** Johnson = **MURÆNA PINNATA** Gronow.
- Nesiarchus** Johnson, 173; orthotype **N. NASUTUS** Johnson.
Setarches Johnson, 177; orthotype **S. GUNTHERI** Johnson.
792. JONES (1862). (*Estheria*).
 THOMAS RYMER JONES (1819-1911).
- Estheria** Jones, 112; orthotype **E. MIDDENDORFFI** Jones (fossil).
793. KNER (1862). *Kleinere Beiträge zur Kenntniss der fossilen Fische Oesterreichs.* Sitzb. Akad. Wiss. Wien, XLV.
 RUDOLF KNER.
- Palimphemus** Kner, XLV, 490; orthotype **P. ANCEPS** (fossil).
794. MORRIS & ROBERTS (1862). *On the Carboniferous Limestone of Oretton and Farlow Clee Hills, Shropshire, etc.* Quart. Journ. Geol., XVIII.
 JOHN MORRIS; GEORGE E. ROBERTS.

- Characodus** (Agassiz) Morris & Roberts, XVIII, 99; orthotype *C. ANGULATUS* Ag. (fossil); name only, defined by Davis, 1883. Regarded by Woodward as a synonym of *COPODUS*; not *CHARACODUS* Owen, 1867, earlier in definition.
- Ctenopetalus** (Agassiz MS.) Morris & Roberts, XVIII, 100; orthotype *CTENOPTYCHIUS SERRATUS* Ag. (fossil); name only, defined by Davis, 1881. Regarded as a synonym of *CTENOPTYCHIUS*.
- Harpacodus** (Agassiz) Morris & Roberts, XVIII, 100; orthotype *CTENOPTYCHIUS DENTATUS* Ag. (fossil); name only, defined by Davis (1881). Regarded as a synonym of *CTENOPTYCHIUS*.
- Copodus** (Agassiz) Morris & Roberts, XVIII, 100; logotype *PSAMMODUS CORNUTUS* Ag. (fossil); name only, defined by Davis, 1883.
- Deltodus** (Agassiz) Morris & Roberts, XVIII, 100; orthotype *PÆCILODUS SUBLÆVIS* (Ag.) McCoy (fossil).
- Deltoptychius** (Agassiz) Morris & Roberts XVIII, 100; orthotype *COCHLIODUS ACUTUS* (Ag.) McCoy (fossil).
- Xystrodus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *COCHLIODUS STRIATUS* Ag. (fossil). Name preoccupied (Plieninger, 1860), replaced by *PLATYXYSTRODUS* Hay (1899).
- Lobodus** (Agassiz) Morris & Roberts, XVIII, 101; logotype *L. PROTOTYPUS* Ag. (fossil); name only, defined by Davis, 1883. Regarded as a synonym of *COPODUS*.
- Mesogomphus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *M. LINGUA* Ag. (fossil); name only, defined by Davis, 1883. Regarded as a synonym of *COPODUS*.
- Pleurogomphus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *P. AURICULATUS* Ag. (fossil); name only, defined by Davis, 1883. Regarded as a synonym of *COPODUS*.
- Mylax** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *M. BATOIDES* Ag. (fossil); name only, defined by Davis, 1883. Regarded as a synonym of *COPODUS*.
- Tomodus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *T. CONVEXUS* (Ag.) (fossil); name only, defined by Davis, 1883 (not *TOMODUS* Trautschold, 1879), later called *OXYTOMODUS* Trautschold, 1880.
- Streblodus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *COCHLIODUS OBLONGUS* (Agassiz) Portlock (fossil).
- Psephodus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *COCHLIODUS MAGNUS* Portlock (fossil).
- Petalorhynchus** (Agassiz) Morris & Roberts, XVIII, 101; orthotype *PETALODUS PSITTACINUS* (Ag.) McCoy (fossil); name only, defined by Davis, 1881.

795. VALENCIENNES (1862). *Description de quelques espèces de poisson . . . envoyés de Bourbon par M. Morcl.* Comptes Rendus, LIV.

ACHILLE VALENCIENNES.

This little paper of Valenciennes has been overlooked by writers. In it are described two species of *IREX* (*ELAGATIS*), *I. INDICUS* from Bourbon Island and *I. AMERICANUS* from St. Thomas, the former with D. VI-I, 24-2, the latter D. VI-I, 22-2. Günther counts D. VI-I, 25-1 in *ELAGATIS BIPINNULATUS* from Amboyna. Poey counts D. VI-I, 26-2 in *ELAGATIS PINNULATUS* from Havana. In a specimen from Long Island, Jordan and Evermann count D. VI-I, 27-2, regarding all as belonging to one pelagic species.

- Irex** Valenciennes, 1204; orthotype *Irex indicus* Val. A synonym of *ELAGATIS* Bennett (1834), same as *SERIOICHTHYS* Blkr. (1854) and *DECAPTUS* Poey (1860).
796. WAGNER (1862). *Monographie der fossilen Fische aus den Lithographischen Schieferen Bayerns*. Abh. Bayer. Akad. Wiss., IX.
ANDREAS WAGNER.
- Mesturus** Wagner, IX, 338; orthotype *M. verrucosus* Wagner (fossil).
797. WINKLER (1862). *Description de quelques nouvelles espèces de poissons fossiles du calcaire lithographique de Solenhofen d'Oeningen*. Nat. Verh. Holl. Maatsch. Wetensch. Haarlem, XVI.
TIBERIUS CORNELIUS WINKLER (1822-1898).
- Brachyichthys** Winkler, XIV, 47; orthotype *B. typicus* Winkler (fossil). Should replace *EULEPIPOTUS* (1868) and *HETEROLEPIDOTUS* Egert. (1872).

 1863

798. BLEEKER (1863). *Mémoire sur les poissons de la côte de Guinée*. Nat. Verh. Holl. Maatsch. Wetsch., 2 Verz. Deel XVIII, 1863, 1-136.
PIETER BLEEKER.
- Glaucus** (Klein) Bleeker, 14; orthotype (after Klein) *SCOMBER GLAUCUS* L. A synonym of *CÆSIOMORUS* Lac.
- Melanogenes** Bleeker, 36; orthotype *M. macrocephalus* Blkr.
- Pseudotolithus** Bleeker, 59; orthotype *P. typus* Blkr.
799. BLEEKER (1863). *Description de quelques espèces de poissons . . . de Chine . . . Musée de Leide, par M. G. Schlegel*. Nat Tijdschr. Dierk. Indie, I.
PIETER BLEEKER.
- Hemisciæna** Bleeker, 141; orthotype *COLLICHTHYS LUCIDUS* Günther. A synonym of *COLLICHTHYS* Gthr.
- Pseudosciæna** Bleeker, 142; orthotype *CORVINA AMBLYCEPS* Blkr., species named. Same as *ARGYROSOMUS* Pylaie, 1835. A synonym of *SCIÆNA* L., as restricted by Cuvier.
800. BLEEKER (1863). *Systema Cyprinoideorum revisum*. Neder. Tijdschr. Dierk., I., 1863, 179-186.
PIETER BLEEKER.
- Aplocheilichthys** Bleeker, 116; orthotype *A. typus* Blkr. A synonym of *APLOCHEILUS* McCl. The numerous genera here defined are also contained in a second paper written at about the same time.
- Gobionichthys** Bleeker, 156; orthotype *GOBIO MICROCEPHALUS* Blkr.
- Crossocheilichthys** Bleeker, 192; orthotype *LOBOCHEILOS COBITIS* Blkr.
- Isocephalus** (Heckel) Bleeker, 194; orthotype *CYPRINUS BANGON* Ham. Same as *BANGANA* Ham.
- Rohitodes** Bleeker, 195; orthotype *LABEO CEPHALUS* Cuv. & Val.
- Acra** Bleeker, 197; tautotype *CYPRINUS ACRA* Ham.: orthotype as indicated by Bleeker, *CYPRINUS SYRIACUS*.
- Leptobarbus** Bleeker, 202; orthotype *L. HOEVENI* Blkr.
- Cirrhinichthys** Bleeker, 202; orthotype *C. DUSSUMIERI*.

- Opsariichthys** Bleeker, 203; orthotype *LEUCISCUS UNCIROSTRIS* T. & S.; also under No. 805, p. 263.
- Paraphoxinus** Bleeker, 209; orthotype *PHOXINELLUS ALEPIDOTUS* Heckel. A synonym of *PHOXINELLUS* Heckel.
- Trachybrama** (Heckel) Bleeker, I, 210; orthotype *ACANTHOBRAMA MARMID* Heckel. A synonym of *ACANTHOBRAMA* Heckel.
- Paracheilognathus** Bleeker, 213; orthotype *CAPOËTA RHOMBEA* T. & S.
- Pseudoperilampus** Bleeker, 214; orthotype *P. TYPUS* Blkr.
801. BLEEKER (1863). *Onzième notice sur la faune ichthyologique de l'île d'Obi*. Neder. Tijdschr. Dierk., I, 1863, 228-238.
PIETER BLEEKER.
- Paramia** Bleeker, 233; orthotype *CHEILODIPTERUS LINEATUS* Lac. A substitute for *CHEILODIPTERUS* (Lac.) Cuv., which name he transfers to the genus called *TEMNODON* Cuv. (*POMATOMUS* Lac.) because the first species named belongs to *POMATOMUS*. A synonym of *CHEILODIPTERUS* as now restricted.
- Rhombotides** (Klein) Bleeker, 235; orthotype *CHÆTODON TRIOSTEGUS* L. A synonym of *HEPATUS* Gronow or *TEUTHIS* L., as restricted.
- Parapercis** Bleeker, 236; orthotype *SCIÆNA CYLINDRICA* Bloch.
- Parupeneus** Bleeker, 342; orthotype *MULLUS BIFASCIATUS* Lac. A synonym of *UPENEUS* Cuv., as first restricted by Bleeker.
802. BLEEKER (1863). *Septième mémoire sur la faune ichthyologique de l'île Timor*. Neder. Tijdschr. Dierk., I 1863, 262-276.
PIETER BLEEKER.
- Paradules** Bleeker, 267; orthotype *DULES RUPESTRIS* Cuv. & Val. A synonym of *KUHLIA* Gill.
- Pseudechidna** Bleeker, 272; orthotype *MURÆNA BRUMMERI* Blkr. (*STROPHIDON* Gthr., not of McClelland).
803. BLEEKER (1863). *Sur les genres de la famille des Cobitioïdes*. Versl. Akad. Amsterdam, XV, 1863, 32-44.
PIETER BLEEKER.
- Paracobitis** Bleeker, 37; orthotype *COBITIS MALAPTERURA* Cuv. & Val.
- Lepidocephalichthys** Bleeker, 42; orthotype *COBITIS HASSELTII* Cuv. & Val.
- 803A. BLEEKER (1863). *Systema silurorum revisum*. Neder. Tijdschr. Dierk. I.
PIETER BLEEKER.
- Pseudopimelodus** Bleeker, I, 101; orthotype *PIMELODUS RANINUS* Cuv. & Val.
804. BLEEKER (1863). *Deuxième notice sur la faune ichthyologique de l'île de Flores*. Neder. Tijdschr. Dierk., I, 1863, 248-252.
PIETER BLEEKER.
- Eurypegasis** Bleeker, 250; orthotype *PEGASUS DRACONIS* L. = *P. VOLITANS* L. A synonym of *PEGASUS* L.
805. BLEEKER (1863). *Notice sur les noms de quelques genres de la famille des Cyprinoïdes*. Versl. Akad. Amsterdam. XV, 1863, 261-264.
PIETER BLEEKER.
- Carpionichthys** Bleeker, 262; orthotype *CYPRINUS CARPIO* L. A synonym of *CYPRINUS* L.
- Paraschizothorax** Bleeker, 262; orthotype *SCHIZOTHORAX HUGELI* Heckel.

806. COOPER (1863). *On New Genera and Species of California Fishes*. 4 articles. Proc. Cal. Acad. Sci.

JAMES GRAHAM COOPER (1830-).

Dekaya Cooper, 72; orthotype *D. ANOMALA* Cooper. A synonym of *CAULOLATILUS* Gill; the name *DEKAYIA* already used.

Ayresia Cooper, 73; orthotype *A. PUNCTIPINNIS* Cooper.

Orycnus Cooper, 77; orthotype *SCOMBER THYNNUS* L. Originally a slip of the pen for *ORCYNUS*, offered as a substitute for *ORCYNUS*, twice preoccupied. A synonym of *THUNNUS*.

Gibbonsia Cooper, III, 108; orthotype *MYXODES ELEGANS* Cooper.

Gillichthys Cooper, 109; orthotype *G. MIRABILIS* Cooper.

807. DOÛMET (1863). *Description d'un nouveau genre de poissons de la Méditerranée*. Rev. Mag. Zool., XV.

P. NAPOLÉON DOUMET-ADANSON.

Trachelocirrus Doumet, XV, 212; orthotype *T. MEDITERRANEUS* Doumet. A synonym of *PSENES* Cuv. & Val. Doumet correctly regards this genus as identical with *NAVARCHUS* Filippi & Verany. The names *CUBICEPS* Lowe and *ATIMOSTOMA* Smith have been also bestowed upon these little pelagic fishes as well as *PSENES*, the name they should bear.

808. GILL (1863). (*Platygobio*.) Trans. Am. Philos. Soc., V.

THEODORE GILL.

Platygobio Gill, V, 12, 178; orthotype *POGONICHTHYS COMMUNIS* Grd. = *CYPRINUS GRACILIS* Rich.

809. GILL (1863). (*Sturgeons*.) Trans. Am. Philos. Soc., V.

THEODORE GILL.

Scaphirhynchops Gill, V, 12, 178; orthotype *ACIPENSER PLATORHYNCHUS* Raf. Substitute for *SCAPHIRHYNCHUS* regarded as preoccupied.

810. GILL (1863). *On a New Family Type (Chanopsis) of Fishes Related to the Blennioids*. Ann. Lyc. Nat. Hist. N. Y., VIII.

THEODORE GILL.

Chænopsis Gill, 141; orthotype *C. OCELLATUS* Poey.

811. GILL (1863). *On a Remarkable New Type of Fishes Allied to Nemophis*. Ann. Lyc. Nat. Hist. N. Y., VIII.

THEODORE GILL.

Plagiotremus Gill, 138; orthotype *P. SPILISTIUS* Gill.

812. GILL (1863). *Catalogue of the North American Sciænoid Fishes*. Proc. Nat. Acad. Sci. Phila.

THEODORE GILL.

Sciænops Gill, 30; orthotype *PERCA OCELLATA* L.

813. GILL (1863). *Catalogue of the Fishes of Lower California . . . Collected by Mr. J. Xantus*, Proc. Acad. Nat. Sci., Phila., XV.

THEODORE GILL.

Pronotogrammus Gill, 80 orthotype *P. MULTIFASCIATUS* Gill.

Lepidamia Gill, 81; orthotype *APOGON KALOSOMA* Blkr.

Archamia Gill, 81; orthotype *APOGON BLEEKERI* Gthr.

Glossamia Gill, 82; orthotype *APOGON APRION* Rich.

- Xenichthys** Gill, 82; orthotype *X. xanti* Gill.
- Moronopsis** Gill, 82; orthotype *DULES MARGINATUS* Cuv. & Val. A synonym of *KUHLLIA* Gill.
- Rhamphoberyx** Gill, 87; orthotype *R. PÆCILOPUS* Gill. Young form of *MYRIPRISTIS* Cuv.
- Rhombochirus** Gill, 88; orthotype *ECHENEIS OSTEOCHIR* Cuv. & Val.
- Remoropsis** Gill, 88; orthotype *ECHENEIS BRACHYPTERUS* Lowe
814. GILL (1863). *Descriptions of Some New Species of Pediculati*. Proc. Acad. Nat. Sci. Phila., XV.
THEODORE GILL.
- Pterophryne** Gill, 90; orthotype *CHIRONECTES LÆVIGATUS* Cuv. Name preoccupied; replaced by *PTEROPHRYNOIDES* Gill, 1878. A synonym of *HISTRIO* Fischer.
- Histiophryne** Gill, 90; orthotype *CHIRONECTES BOUGAINVILLEI* Cuv.
- Haliutichthys** (Poey) Gill, 90; orthotype *H. RETICULATUS* Poey = *LOPHIUS ACULEATUS* Mitchell.
815. GILL (1863). *Descriptive Enumeration of a Collection of Fishes from the Western Coast of Central America . . . by Captain J. M. Dow*. Proc. Acad. Nat. Sci. Phila., XV.
THEODORE GILL.
- Ophioscion** Gill, 165; orthotype *O. TYPICUS* Gill.
- Amblyscion** Gill, 165; orthotype *A. ARGENTEUS* Gill. A section under *LARIMUS* Cuv.
- Oligoplites** Gill, 166; orthotype *O. OCCIDENTALIS* Gill (not L.) = *SCOMBER SAURUS* Bl. & Schn.
- Chænomugil** Gill, 169; orthotype *MUGIL PROBOSCIDEUS* Gthr. Apparently a synonym of *CHELON* Röse, 1793.
- Rhinomugil** Gill, 169; orthotype *MUGIL CORSULA* Hamilton-Buchanan.
- Halophryne** Gill, 170; orthotype *BATRACHOIDES DIEMENSIS* Le Sueur.
- Leptarius** Gill, 170; orthotype *LEPTARIUS DOWI* Gill. A synonym of *SELENASPIS* Blkr.
- Notarius** Gill, 171; orthotype *ARIUS GRANDICASSIS* Cuv. & Val. Equivalent to *ARIUS* Blkr., 1863, not of 1858, and not of Cuvier & Valenciennes.
- Urotrygon** Gill, 173; orthotype *U. MUNDUS* Gill.
816. GILL (1863). *On an Unnamed Generic Type Allied to Sebastes*. Proc. Acad. Nat. Sci. Phila., XV.
THEODORE GILL.
- Sebastoplus** Gill, 208; orthotype *SCORPÆNA KUHLLI* Bowdich.
817. GILL (1863). *Description of a New Generic Type of Ophidioids*. Proc. Acad. Nat. Sci. Phila., XV.
THEODORE GILL.
- Leptophidium** Gill, 210; orthotype *L. PROFUNDORUM* Gill. Name preoccupied in snakes. Replaced by *LEPOPHIDIUM* Gill, 1895.
818. GILL (1863). *Synopsis of the Pomacentroids of the Western Coast of North and Central America*. Proc. Acad. Nat. Sci. Phila., XV.
THEODORE GILL.
- Dischistodus** Gill, 213; orthotype *POMACENTRUS FASCIATUS* Cuv. & Val.
- Acanthochromis** Gill, 214; orthotype *DASCYLLUS POLYACANTHUS* Blkr.
- Pomataprion** Gill 216; orthotype *HYPSPYPOPS DORSALIS* Gill. A synonym of *MICROSPATHODON* Gthr.

819. GILL (1863). *Notes on the Labroids of the Western Coast of North America.* Proc. Acad. Nat. Sci. Phila., XV.

THEODORE GILL.

- Lepidaplois** Gill, 222; orthotype *COSSYPHIUS AXILLARIS* Cuv. & Val.
Euphysocara Gill, 222; orthotype *COSSYPHUS ANTHIOIDES* Gthr.
Gymnopropoma Gill, 222; orthotype *COSSYPHUS BILUNULATUS* Cuv. & Val. A synonym of *LEPIDAPLOIS* Gill.
Achoerodus Gill, 222; orthotype *COSSYPHUS GOULDI* Rich.
Dimalacocentrus Gill, 223; orthotype *NOVACULA KALLOSOMA* Blkr. A synonym of *NOVACULICHTHYS* Blkr.
Oxyjulis Gill, 223; orthotype *JULIS MODESTUS* Grd.; the name *MODESTUS* preoccupied in *JULIS*; replaced by *HALICHERES CALIFORNICUS* Gthr.

820. GILL (1863). *Synopsis of the Family of Lepturoids and Description of a Remarkable New General Type.* Proc. Acad. Nat. Sci. Phila., XV.

THEODORE GILL.

- Evoxymetopon** (Poey) Gill, 228; orthotype *E. TÆNIATUS* Poey.
 821. GILL (1863). *Synopsis of the North American Gadoid Fishes.* Proc. Acad. Nat. Sci. Phila.
Brachygadus Gill, 230; orthotype *GADUS MINUTUS* L. A synonym of *TRISOPTERUS* Raf.
Micromesistius Gill, 231; orthotype *GADUS POUTASSOU* Risso. Called *BRACHYMESISTIUS* on page 233.
Brachymesistius Gill, 233; orthotype *GADUS POUTASSOU* Risso. A lapsus for *MICROMESISTIUS*.
Urophycis Gill, 240; orthotype *BLENNIUS REGIUS* Walbaum.
Rhinonemus Gill, 241; orthotype *GADUS CIMBRIUS* L.

822. GILL (1863). *Descriptions of the Genera of Gadoid and Brotuloid Fishes of North America.* Proc. Acad. Nat. Sci. Phila., XV.

THEODORE GILL.

- Leptogadus** Gill, 248; orthotype *GADUS BLENNIOIDES* Pallas. Perhaps a synonym of *GADICULUS* Guich.
Odontogadus Gill, 248; orthotype *GADUS EUXINUS* Nordmann.
Nematobrotula Gill, 252; orthotype *BROTULA ENSIFORMIS* Gthr.
Stygicola Gill, 252; orthotype *LUCIFUGA DENTATA* Poey.
Hoplobrotula Gill, 253; orthotype *BROTULA ARMATA* T. & S.

823. GILL (1863). *Synopsis of the Family of Lycodida.* Proc. Acad. Nat. Sci. Phila., XV.

- Macrozoarces** Gill, 258; orthotype *BLENNIUS ANGUILLARIS* Peck.

824. GILL (1863). *Descriptions of the Gobioid Genera of the Western Coast of Temperate North America.* Proc. Acad. Nat. Sci. Phila., XV.

THEODORE GILL.

- Pomatoschistus** Gill, 263; orthotype *GOBIOUS MINUTUS* L. Apparently a synonym of *BRACHYCHIRUS* Nardo.
Deltentosteus Gill, 263; orthotype *GOBIOUS QUADRIMACULATUS*.
Coryphopterus Gill, 263; orthotype *C. GLAUCOFRÆNUM* Gill. A synonym of *RHINO-GOBIOUS* Gill.

- Coryphogobius** Gill, 263; obviously a lapse for CORYPHOPTERUS.
Pterogobius Gill, 266; orthotype GObIUS VIRGO T. & S.
Synechogobius Gill, 266; orthotype GObIUS HASTA T. & S. A synonym of ACANTHOGObIUS Gill.
825. GILL (1863). *On the Gobioids of the Eastern Coast of the United States*, Proc. Acad. Nat. Sci. Phila., XV.
 THEODORE GILL.
Gymnogobius Gill, 269; orthotype GObIUS MACROGNATHOS Blkr. A synonym of CHÆNOGObIUS Gill.
Ophiogobius Gill, 269; orthotype GObIUS OPHIOCEPHALUS Jenyns.
Crystallogobius Gill, 269; orthotype GObIUS NILSSONI Duben & Koren.
Boreogobius Gill, 269; orthotype GObIUS STUVITZI Duben & Koren.
Mogurnda Gill, 270; orthotype ELEOTRIS MOGURNDA Rich.
Ophiocara Gill, 270; orthotype ELEOTRIS OPHIOCEPHALUS Cuv. & Val.
Gobiomorphus Gill, 270; orthotype ELEOTRIS GOBIODES Cuv. & Val.
Hypseleotris Gill, 270; orthotype ELEOTRIS CYPRINOIDES Cuv. & Val.
Odonteleotris Gill, 270; orthotype ELEOTRIS MACRODON Blkr.
Calleleotris Gill, 270; orthotype ELEOTRIS STRIGATA Cuv. & Val. A synonym of VALENCIENNEA.
Ptereleotris Gill, 271; orthotype ELEOTRIS MICROLEPIS Blkr.
826. GILL (1863). *On the Genus Periophthalmus of Schneider*. Proc. Acad. Nat. Sci. Phila.
 THEODORE GILL.
Euchoristopus Gill, 271; orthotype GObIUS KOELREUTERI Pallas. Replaces PERIOPHTHALMUS of recent authors, of which the logotype is P. SCHLOSSERI.
Boleops Gill, 271; orthotype BOLEOPHTHALMUS AUCUPATORIUS Rich. A synonym of SCARTELAOS Sw.
827. GILL (1863). *Note on the Genera of Hemiramphinae*. Proc. Acad. Nat. Sci. Phila., XV.
 THEODORE GILL.
Zenarchopterus Gill, 273; orthotype HEMIRAMPHUS DISPAR Cuv. & Val.
Oxyporhampus Gill, 273; orthotype HEMIRAMPHUS CUSPIDATUS Cuv. & Val.
828. GÜNTHER (1863). *On New Species of Fishes from Victoria, South Australia*. Ann. Mag. Nat. Hist., XI.
 ALBERT GÜNTHER.
Melambaphes Günther, XI, 115; orthotype GLYPHIDODON NIGRORIS Gthr., not of Cuv. & Val. = M. GUENTHERI Gill.
Rhombosolea Günther, XI, 117; orthotype R. FLESOIDES Gthr.
829. GÜNTHER (1863). *On New Species of Fishes from the Essequibo*. Ann. Mag. Nat. Hist., XII.
 ALBERT GÜNTHER.
Helogenes Günther, XII, 443; orthotype H. MARMORATUS Gthr.
Crenuchus Günther, XII, 443; orthotype C. SPILURUS Gthr.
830. JOHNSON (1863). *Description of Three New Genera of Marine Fishes Obtained at Madeira*. Ann. Mag. Nat. Hist., XIV.
 JAMES YATES JOHNSON.
Diretmus Johnson, 403; orthotype D. ARGENTUS Johnson.

Halosaurus Johnson, 407; orthotype *H. OWENI* Johnson.

Chiasmodon Johnson, 408; orthotype *C. NIGER* Johnson. Spelled *CHIASMODUS* by Günther.

831. KAUP (1863). *Einige japanische Fische*. Nederl. Tijdschr. Dierk., I.
JOHANN JACOB KAUP.

Helotosoma Kaup, I, 162; orthotype *H. SERVUS* Kaup; said to be a synonym of *ATYPICHTHYS* Gthr.

832. KNER (1863). *Ueber einige fossile Fische aus den Kreide- und Tertiär-
schichten von Comen und Podused*. Sitzb. Akad. Wiss. Wien, XLVIII.
RUDOLF KNER.

J. Y. JOHNSON.

Amiopsis Kner, XLVIII, 126; orthotype *A. PRISCA* Kner (fossil). Fossil homologue of *AMIA* L.

Scombroclupea Kner, XLVIII, 132; orthotype *S. PINNULATA* Kner (fossil). The earlier name of this species, *CLUPEA MACROPHALMA* Heckel, 1849, is preoccupied; Ranzani, 1842.

833. KNER & STEINDACHNER (1863). *Neue Beiträge zur Kenntniss der
fossilen Fische Oesterreichs*. Denkschr. Akad. Wiss. Wien, XXI.
RUDOLPH KNER; FRANZ STEINDACHNER.

Pseudosyngnathus Kner & Steindachner, XXI, 28; orthotype *SYNGNATHUS OPIS-
THOPTERUS* Ag. (fossil).

834. KNER & STEINDACHNER (1863). *Neue Gattungen und Arten von
Fischen aus Central-Amerika gesammelt von Prof. Moritz Wagner*. Abh.
Münchner. Akad. Wiss., X.

RUDOLPH KNER; FRANZ STEINDACHNER.

Date given by Dean as 1870; Troschel quotes these genera as of 1867; Günther, *Zoological Record*, notes them as previous to 1864.

Saccodon Kner & Steindachner, X, 31; orthotype *S. WAGNERI* Kner & Steindachner.

Pseudochalceus Kner & Steindachner, X, 31; orthotype *P. LINEATUS* Kner & Steindachner.

Chalcinopsis Kner & Steindachner, X, 31; logotype *C. STRIATULUS* Kner & Steindachner. A synonym of *BRYCON* M. & T., not *CHALCINOPSIS* Holmberg, 1891, which is *PSEUDOCORYNOPOMA*.

835. MACKIE (1863). *On a New Species of Hybodus from the Lower Chalk*.
The Geologist, VI.

SAMUEL JOSEPH MACKIE

Nemacanthus Mackie, VI, 243 (orthotype *ACRODUS KEUPERIANUS* Murchison & Strickland (fossil). A synonym of *ACRODUS*; name preoccupied, 1837.

836. VON DER MARCK (1863). *Fossile Fische, Krebse und Pflanzen aus dem
Plattenkalk der jüngsten Kreide in Westphalen*. Palæontographica, XI, Cassel.
W. VON DER MARCK.

Macrolepis von der Marck, XI, 26; orthotype *M. ELONGATUS* Marck (fossil).

Rhabdolepis von der Marck, XI, 26; orthotype *R. CRETACEUS* Marck (fossil). Name preoccupied; replaced by *HOLCOLEPIS* von der Marck, 1868.

Palæolyculus von der Marck, XI, 31; orthotype *P. DREGINENSIS* Marck (fossil).

Scrobodus (Münster) von der Marck, XI, 38; orthotype *S. SUBOVATUS* Münster (fossil). A synonym of *LEPIDOTES*.

- Microcœlia** von der Marck, XI, 48; orthotype *M. GRANULATA* Marck (fossil).
Leptosomus von der Marck, XI, 49; orthotype *L. GUESTPHALICUS* Marck (fossil).
 (Name several times preoccupied.)
Tachynectes von der Marck, XI, 51; logotype *T. MACRODACTYLUS* Marck (fossil).
Enchelurus von der Marck, XI, 58; orthotype *E. VILLOSUS* Marck (fossil).
Leptotrachelus von der Marck, XI, 59; orthotype *L. ARMATUS* Marck (fossil).
837. PUTNAM (1863). *List of the Fishes Sent by the Museum in Exchange*, etc.
 Bull. Mus. Comp. Zool. Harvard College, I.
 FREDERICK WARD PUTNAM (1839-1915).
- Nothonotus** (Agassiz) Putnam, I, 3; orthotype *ETHEOSTOMA MACULATA* Kirtland.
Microperca Putnam, I, 4; orthotype *M. PUNCTULATA* Putnam.
Cottogaster Putnam, I, 4; orthotype *BOLEOSOMA TESSELLATUM* Thompson, not of
 Dekay = *COTTOGASTER PUTNAMI* J. & G.
Pleurolepis (Agassiz) Putnam, I, 5; orthotype *ETHEOSTOMA PELLUCIDUM* Ag.
 Name preoccupied; replaced by *VIGIL* Jordan, 1919.
Anarmostus (Scudder) Putnam, I, 12; logotype *DIABASIS FLAVOLINEATUS* Desmarest.
 Name preoccupied; a synonym of *HÆMULON* Cuv.
Bathystoma (Scudder) Putnam, I, 12; logotype *PERCA MELANURA* L. = *HÆMULON*
JENIGUANO Poey.
838. SCHAFHÄUTL (1863). *Südbayerns Lethæa Geognostica*.
 K. E. SCHAFHÄUTL (1803-1890).
- Diaphyodus** Schafhäutl, 246; orthotype *D. OVALIS* Schafhäutl (fossil). A synonym
 of *LABRODON*.
839. SIEBOLD (1863). *Die Süßwasserfische von Mitteleuropa*.
 CARL THEODOR ERNST VON SIEBOLD (1804-1885).
- Abramidopsis** Siebold, 117; orthotype *A. LEUCKARTI* Siebold. Thought to be a
 hybrid of *ABRAMIS* and *RUTILUS*.
Bliccopsis Siebold, 142; orthotype *B. ABRAMORUTILUS* Siebold. Thought to be a
 hybrid: *BLICCA* and *RUTILUS*.
840. STEINDACHNER (1863). *Ichthyologische Mittheilungen: V. Ueber einige*
Labroiden. Verh. Zool. Bot. Ges. Wien, XIII.
 FRANZ STEINDACHNER.
- Cheiliopsis** Steindachner, 1113; orthotype *C. BIVITTATUS* Steind.
841. STEINDACHNER (1863). *Beiträge zur Kenntniss der fossilen Fischfauna*
Oesterreichs. Sitz. Akad. Wiss. Wien, XLVII.
 FRANZ STEINDACHNER.
- Calamostoma** Steindachner, XLVII, 133; logotype *ACANTHURUS CANOSSÆ* Heckel
 (fossil). Name preoccupied, replaced by *AULORHAMPHUS* De Zigno, 1887.
842. STEINDACHNER (1863). *Beiträge zur Kenntniss der Scianoiden Brasiliens*
mit der Cyprinodonten Mexicos. Sitz. Akad. Wiss. Wien, XLVIII.
 FRANZ STEINDACHNER.
- Diplolepis** Steindachner, 2; orthotype *SCIENA SQUAMOSISSIMA* Heckel. Name pre-
 occupied; a synonym of *PLAGIOSCION* Gill.
Pœcilodes Steindachner, XLVIII, 176; orthotype *P. BIMACULATUS* Steind. Syno-
 nym of *PSEUDOXIPHOPHORUS* Blkr.

843. WAGNER (1863). *Monographie der fossilen Fische aus den lithographischen Schieferen Bayerns*. IX.
ANDREAS WAGNER.
Heterostrophus Wagner, IX, 614; orthotype H. LATUS Wagner (fossil). Printed HETEROSTICHUS in *Anz. Bayr. Akad. Wiss.*, 1860, p. 63. This name is pre-occupied.
Plesiodus Wagner, IX, 632; orthotype P. PUSTULOSUS Wagner (fossil). A synonym of LEPIDOTES.
Eurycormus Wagner, IX, 707; orthotype E. SPECIOSUS Wagner (fossil). A synonym of MACROPOMA Ag.
Liodesmus Wagner, IX, 709; orthotype PHOLIDOPHORUS GRACILIS Ag. (fossil).
Macrorhipis Wagner, IX, 723; orthotype PACHYCORMUS MUENSTERI Wagner (fossil). A synonym of IONOSCOPUS.

1864

844. VAN BENEDEN & DE KONINCK (1864). *Notice sur le Palædaphus insignis*. Bull. Roy. Soc. Belge, XVII.
PIERRE J. VAN BENEDEN (1809-1894); L. J. DE KONINCK.
Palædaphus Van Beneden & De Koninck, XVII, 150; orthotype P. INSIGNIS Beneden & Koninck (fossil).
845. BLEEKER (1864). *Notice sur la faune ichthyologique de Siam*. Versl. Akad. Amsterdam, XVI, 1864, 352-358.
PIETER BLEEKER.
Heterobagrus Bleeker, 355; orthotype H. BOCOURTI Blkr.
846. BOCAGE & CAPELLO (1864). *Sur quelques espèces inédites de Squallidæ . . . que fréquentent les côtes du Portugal*. Proc. Zool. Soc. London.
JOSÉ VINCENT BARBOZA DU BOCAGE (1823-1907);
FELIX DE BRITO CAPELLO (1838-).
Centroscymnus Bocage & Capello, 263; orthotype C. CÆLOLEPIS Bocage & Capello.
Scymnodon Bocage & Capello, 263; orthotype S. INGENS Bocage & Capello.
847. CANESTRINI (1864). *Studi sui Lepadogaster del Mediterraneo*. Arch. Zool. Anat. Fisiol., III.
GIOVANNI CANESTRINI.
Mirbelia Canestrini, 189; logotype LEPADASTER DECANDOLLII Risso.
848. COCCHI (1864). *Monografia dei Pharyngodopilida nuovo famiglia dei pesci Labroidi*. Ann. Mus. Firenze, I.
IGINO COCCHI (1828-).
Egertonia Cocchi, I, 121; orthotype E. ISODONTA Cocchi (fossil).
Pharyngodopilus Cocchi, I, 123; logotype P. CANARIENSIS Cocchi (fossil). A synonym of LABRODON.
Taurinichthys Cocchi, I, 152; orthotype SCARUS MIOCENICUS Michelotti (fossil).
849. COPE (1864). *On a Blind Silurid . . . from Pennsylvania*. Proc. Acad. Nat. Sci. Phila.
EDWARD DRINKER COPE (1840-1897).
Gronias Cope, 231; orthotype GRONIAS NIGRILABRIS Cope.

850. COSTA (1864). (*Fossil Fishes.*) Atti, Pontan.
 ORONZIO GABRIELE COSTA.
Oenoscopus Costa, VIII, 59; orthotype **IONOSCOPIUS** PETRAROLÆ Costa (fossil).
 Name a (needleless?) substitute for **IONOSCOPIUS**.
Hyptius Costa, 80; orthotype **H. SEBASTIANI** Costa. A synonym of **SAUROPSIDIUM**
 Costa, 1850.
Platycerhynchus Costa, VIII, 98; orthotype **P. RHOMBEUS** Costa (fossil). An
 indeterminate ally of **BELONOSTOMUS**.
851. EGERTON (1864). *On Some Ichthyolites . . . from New South Wales.*
 Quart. Journ. Geol. Soc., XX.
 PHILIE DE MALPAS GREY EGERTON.
Myriolepis Egerton, XX, 3; orthotype **M. CLARKEI** Egert. (fossil).
Cleithrolepis Egerton, XX, 3; orthotype **C. GRANULATUS** Egert. (fossil).
852. GILL (1864). *Description of a New Labroid Genus Allied to Trochocopus Gthr.*
 Proc. Acad. Nat. Sci. Phila., XVI.
 THEODORE GILL.
Pimelometopon Gill, 58; orthotype **LABRUS PULCHER** Ayres.
853. GILL (1864). *Notes on the Nomenclature of Genera and Species of the*
Family Echenoidiæ. Proc. Acad. Nat. Sci. Phila., XVI.
 THEODORE GILL.
Leptecheneis Gill, 60; orthotype **ECHENEIS NAUCRATES** L. A synonym of **ECHENEIS** L.
 as restricted by Gill, 1860.
854. GILL (1864). *Critical Remarks on the Genera Sebastes and Sebastodes of*
Ayres. Proc. Acad. Nat. Sci. Phila., XVI.
 THEODORE GILL.
Sebastomus Gill, 147; orthotype **SEBASTES ROSACEUS** Grd.
Sebastosomus Gill, 147; orthotype **SEBASTES MELANOPS** Grd.
855. GILL (1864). *Second Contribution to the Selachology of California.* Proc.
 Acad. Nat. Sci. Phila., XVI.
 THEODORE GILL.
Eugaleus Gill, 148; orthotype **SQUALUS GALEUS** L. Substitute for **GALEUS** Cuv.,
 preoccupied by **GALEUS** Raf. A synonym of **GALEORHINUS** Blaniv., as restricted
 by Gill.
- Pleuracromylon** Gill, 148; orthotype **MUSTELUS LEVIS** = **GALEUS MUSTELUS** Gill.
 A synonym of **MUSTELUS** Cuv., not of **VALMONT**, the last probably not eligible.
856. GILL (1864). *Several Points in Ichthyology.* Proc. Acad. Nat. Sci. Phila., XVI.
 THEODORE GILL.
Electrophorus Gill, 151; orthotype **GYMNOTUS ELECTRICUS** L.
Gymnotes Gill, 152; orthotype **GYMNOTUS ÆQUILABIATUS** Humboldt. A synonym
 of **STERNOPYGUS** M. & T.
Hypopomus Gill, 152; orthotype **RHAMPHICHTHYS MULLERI** Kaup. Replaces
BRACHYRHAMPHICHTHYS Gthr., 1870.
857. GILL (1864). *Notes on the Paralepidoids and Microstomatoids and on Some*
Peculiarities of Arctic Ichthyology. Proc. Acad. Nat. Sci. Phila., XVI.
Arctozenus Gill, 188; orthotype **PARALEPIS BOREALIS** Reinh.

858. GILL (1864.) *Note on the Cyclopteroids of Eastern North America.* Proc. Acad. Nat. Sci. Phila., XVI.
THEODORE GILL.
- Eumicrotremus** Gill, 190; orthotype *CYCLOPTERUS SPINOSUS* Müller.
859. GILL (1864). *Synopsis of the Pleuronectoids of California and Northwestern America.* Proc. Acad. Nat. Sci. Phila., XVI.
THEODORE GILL.
- Lepidopsetta** Gill, 195; orthotype *PLATICHTHYS UMBROSUS* Grd.
Hypopsetta Gill, 195; orthotype *PLEURONICHTHYS GUTTULATUS* Grd.
Metoponops Gill, 198; orthotype *M. COOPERI* Gill = *PSETTICHTHYS SORDIDUS* Grd.
A synonym of *ORTHOPSETTA* Gill.
860. GILL (1864). *On the Affinity of Several Doubtful British Fishes.* Proc. Acad. Nat. Sci. Phila., XVI.
THEODORE GILL.
- Helminthodes** Gill, 203; orthotype *ONYBELES LUMBRICOIDES* Blkr.
861. GILL (1864). *Note on the Family of Stichacoids.* Proc. Acad. Nat. Sci. Phila., XVI.
- Anisarchus** Gill, 210; orthotype *CLINUS MEDIUS* Reinh.
Eumesogrammus Gill, 210; orthotype *CLINUS PRECISUS* Kröyer.
862. GILL (1864). *Synopsis of the Pleuronectoids of the Eastern Coast of North America.* Proc. Acad. Nat. Sci. Phila., XVI.
THEODORE GILL.
- Pomatopsetta** Gill, 216; orthotype *PLATESSA DENTATA* Storer = *PLEURONECTES PLATESSOIDES* Fabricius. A synonym of *HIPPOGLOSSOIDES* Gotsche.
- Lophopsetta** Gill, 216; orthotype *PLEURONECTES MACULATUS* Mitchill.
Liopsetta Gill, 216; orthotype *PLATESSA GLABRA* Storer.
Myzopsetta Gill, 217; orthotype *PLATESSA FERRUGINEA* Storer. A synonym of *LIMANDA* Gotsche.
- Chænopsetta** Gill, 218; orthotype *PLATESSA OCELLARIS* Dekay. A synonym of *PARALICHTHYS* Grd.
- Euchalarodus** Gill, 221; orthotype *E. PUTNAMI* Gill, the male of *LIOPSETTA GLABRA* (Storer). A synonym of *LIOPSETTA* Gill.
- Ancylopsetta** Gill, 224; orthotype *A. QUADROCELLATA* Gill. A synonym of *PSEUDORHOMBUS* Blkr.
863. GILL (1864). *Synopsis of the Eastern American Sharks.* Proc. Acad. Nat. Sci. Phila., XVI.
THEODORE GILL.
- Eugomphodus** Gill, 26; orthotype *SQUALUS LITTORALIS* Mitchill. A synonym of *CARCHARIAS* Raf.
- Platypodon** Gill, 264; orthotype *CARCHARIS MENISORRAH* M. & H.
Isistius Gill, 264; orthotype *SCYMNUM BRASILIENSIS* Q. & G.
Euprotomicrus Gill, 264; orthotype *SCYMNUM LABORDEI* M. & H.
Rhinoscymnus Gill, 264; orthotype *SCYMNUM ROSTRATUS* Risso.
864. GILL (1864). *Review of Holbrook's Ichthyology of South Carolina.* Am. Journ. Sci. Arts, XXXVII.
THEODORE GILL.

- Enneacanthus** Gill, 92; orthotype *POMOTIS OBESUS* Grd.
Acantharchus Gill, 92; orthotype *CENTRARCHUS POMOTIS* Baird.
Hyperistius Gill, 92; orthotype *CENTRARCHUS HEXACANTHUS* Cuv. A section under *POMOXIS* Raf.
Mesogonistius Gill, 92; orthotype *POMOTIS CHÆTODON* Baird.
Chænobryttus Gill, 92; orthotype *CALLIURUS MELANOPS* Grd. = *POMOTIS GULOSUS* Cuv. & Val. Misprinted *CHÆNOBRYTHUS*.
Eucentrarchus Gill, 93; orthotype *PERCA IRIDEA* Bosc. A substitute for *CENTRARCHUS* as currently used—not of Cuvier & Valenciennes, which is a synonym of *AMBLOPLITES* Raf.
865. GRAY (1864). *Notice of a Portion of a New Form of Animal (Myriosteon higginsi) Probably Indicating a New Group of Echinodermata.* Proc. Zool. Soc. London.
 JOHN EDWARD GRAY.
Myriosteon Gray; orthotype *M. HIGGINSI* Gray; a tube from a rostral cartilage of *PRISTIS*, supposed to be an echinoderm. A synonym of *PRISTIS* Latham.
866. GUICHENOT (1864). *L. Maillard: Notes sur l'île de la Réunion.* Fauna Ichthiologique.
 ALPHONSE GUICHENOT.
Glyphodes Guichenot, 3; orthotype *G. APRIONOIDES* Guich. Name preoccupied in *LEPIDOPTERA*.
Cotylopus Guichenot (appendix) 10; logotype *C. ACUTIPINNIS* Guich.
867. GÜNTHER (1864). *Catalogue of the Fishes in the British Museum.* V.
 ALBERT GÜNTHER.
Copiodoglanis Günther, V, 25; logotype *PLOTOSUS TANDANUS* Mitchill. A synonym of *TANDANUS* Mitchill.
Amphilius Günther, V, 115; orthotype *PIMELODUS PLATYCHIR* Gthr.
Notoglanis Günther, V, 136; haplotype *PIMELODUS MULTIRADIATUS* Kner = *P. ARAKAIMA* Schomburgk. A section under *RHAMBDIA*.
Euclyptosternum Günther, V, 180; orthotype *SILURUS COUS* L. A substitute for *AGLYPTOSTERNON* Blkr., 1863, the thorax having a sucking disk, which Bleeker's name would deny. The change is not admissible.
Diplomystax Günther, V, 180; orthotype *ARIUS PAPILLOSUS* Cuv. & Val. An emendation of *DIPLOMYSTES* Blkr.
Paradiplomystax Günther, V, 180; orthotype *PIMELODUS CORUSCANS* Lichtenstein. An emendation of *PARADIPLOMYSTES* Blkr.
Rhinoglanis Günther, V, 216; orthotype *R. TYPUS* Gthr.
Cnidoglanis Günther, V, 217; logotype *PLOTOSUS MEGASTOMUS* Rich.
Callomystax Günther, V, 218; orthotype *PIMELODUS GAGATA* Ham. = *GAGATA AYPUS* Blkr. An unwarranted substitute for *GAGATA* Blkr., incorrectly defined. A synonym of *BATASIO* Blyth.
Stygogenes Günther, V, 223; orthotype *S. HUMBOLDTI* Gthr. Perhaps a synonym of *CYCLOPIUM* Sw.
Scleromystax Günther, V, 225; orthotype *CALLICHTHYS BARBATUS* Q. & G.
Liposarcus Günther, V, 234; logotype *HYPOSTOMUS MULTIRADIATUS* Hancock.
Cochliodon (Heckel) Günther, V, 238; tautotype *HYPOSTOMUS COCHLIODON* Kner.
Heterythrinus Günther, V, 283; orthotype *ERYTHRINUS SALMONEUS* Gronow. A synonym of *ERYTHRINUS* (Gronow) Scopoli.

- Cænotropus** Günther, V, 297; orthotype **CITHARINUS CHILODUS** Cuv. & Val. = **CHILODUS PUNCTATUS** M. & T. A substitute for **CHILODUS** M. & T. and **MICRODUS** Kner, both names preoccupied.
- Brachyalestes** Günther, V, 314; logotype **MYLETES NURSE** Rüppell.
- Hembrycon** Günther, V, 318; haplotype **TETRAGONOPTERUS POLYODON** Gthr.
- Creatochanes** Günther, V, 318; logotype **SALMO MELANURUS** Bloch.
- Scissor** Günther, V, 331; orthotype **S. MACROCEPHALUS** Gthr.
- Creagrutus** Günther, V, 339; orthotype **LEPORINUS MUELLERI** Gthr.
- Anacyrtus** Günther, V, 345; logotype **SALMO GIBBOSUS** L. Substitute for **EPICYRTUS**, preoccupied.
- Ræstes** Günther, V, 345; orthotype **CYNOPOTAMUS MOLOSSUS** Kner.
- Ræboides** Günther, V, 345; logotype **ANACYRTUS GUATEMALENSIS** Gthr.
- Hystricodon** Günther, V, 349; orthotype **EXODON PARADOXUS** M. & T. = **EPICYRTUS EXODON** Cuv. & Val. A substitute for **EXODON** M. & T., said to be preoccupied.
- Sarcodaces** Günther, V, 353; orthotype **SALMO ODOË** Bloch.
- Oligosarcus** Günther, V, 353; orthotype **O. ARGENTEUS** Gthr.
- Ichthyborus** Günther, V, 364; orthotype **I. MICROLEPIS** Gthr.
- Prototroctes** Günther, V, 383; orthotype **P. MARENA** Gthr.
- Coccia** Günther, V, 387; orthotype **GONOSTOMUS OVATUS** Cocco. A substitute for **ICHTHYOCOCCUS** Bon., a name given in honor of Cocco. Such names have "always been considered as a nuisance," hence changed by Günther, an action without warrant under accepted rules.
- Notoscopelus** Günther, V, 405; logotype **LAMPANYCTUS RESPLENDENS** Rich. Replaces **MACROSTOMA** Risso, preoccupied as **MACROSTOMUS**.
- Dasyscopelus** Günther, V, 405; orthotype **MYCTOPHUM ASPERUM** Rich.
- Ceratoscopelus** Günther, V, 405; orthotype **SCOPELUS MADERENSIS** Lowe.
- Melamphaës** Günther, V, 433; orthotype **METOPIAS TYPHLOPS** Lowe, substitute for **METOPIAS**, preoccupied.
868. GÜNTHER (1864). *Description of a New Fossil Fish from the Lower Chalk (Folkestone)*. Geol. Mag., I.
ALBERT GÜNTHER.
- Plinthophorus** Günther, I, 115; orthotype **P. ROBUSTUS** Gthr. (fossil).
869. GÜNTHER (1864). *On Some New Species of Central American Fishes*. Proc. Zool. Soc. London.
ALBERT GÜNTHER.
- Microdesmus** Günther, 26; orthotype **M. DIPUS** Gthr.
870. GÜNTHER (1864). *On a New Genus of Pediculate Fish (Melanocetus johnsoni) from the Sea of Madeira*. Proc. Zool. Soc. London.
ALBERT GÜNTHER.
- Melanocetus** Günther, 301; orthotype **M. JOHNSONI** Gthr.
871. GÜNTHER (1864). *On a New Generic Type of Fishes Discovered by the Late Dr. Leichardt in Queensland*. Ann. Mag. Nat. Hist.
ALBERT GÜNTHER.
- Scleropages** Günther, XIV, 195; orthotype **S. LEICHARDTI** Gthr.
872. GÜNTHER (1864). *Report on a Collection of Reptiles and Fishes Made by Dr. Kirk in the Zambesi and Nyassa Regions*. Proc. Zool. Soc. London.
ALBERT GÜNTHER.
- Peletrophus** Günther, 314; logotype **P. MICROLEPIS** Günther.

873. GÜNTHER (1864). *Zoological Record for 1864.*

ALBERT GÜNTHER.

Auchenoglanis Günther, 165; orthotype *PIMELODUS BISCUTATUS* Geoffroy St. Hilaire.
A substitute for *AUCHENASPIS* Blkr. (not Egerton), preoccupied.

Gillia Günther, 157; orthotype *GILLICHTHYS MIRABILIS* Cooper. A substitute for *GILLICHTHYS*, deemed "barbarous."

874. JÄCKEL (1864). *Die Fische Bayerns.* Abh. Zool. Min. Ver. Regensburg.

ANDREAS JOHANNES JÄCKEL.

Scardiniopsis Jäckel, 101; orthotype *S. ANCEPS* Jäckel. Supposed to be a hybrid of *RUTILUS* and *SCARDINIUS*.

875. KNER (1864). *Specielles Verzeichniss der Kaiserlichen Fregatte "Novara" gesammelten Fische.* Sitzb. Akad. Wiss. Wien, LIII.

RUDOLF KNER.

Pseudomugil Kner, LIII, 543; orthotype *P. SIGNIFER* Kner.

Chæroplotosus Kner, LIII, 545; orthotype *PLOTOSUS LIMBATUS* Cuv. & Val.

Silurodon Kner, LIII, 546; orthotype *S. HEXANEMA* Kner.

876. MARCUSEN (1864). *Die Familie der Mormyren, etc.* Mem. Acad. Sci. St. Petersb., VII.

JOHANN MARCUSEN.

Petrocephalus Marcusen, 1; logotype *MORMYRUS BANE* Lac.

Phagrus Marcusen, 1; orthotype *MORMYRUS DORSALIS* Geoffroy St. Hilaire.

877. PETERS (1864). *Ueber einige neue Säugethiere, Amphibien und Fische.* Sitzb. Akad. Wiss. Berlin.

WILHELM PETERS.

Saurenehelys Peters, 397; orthotype *S. CANCRIVORA* Peters. A synonym of *CHLOPSIS* Raf.

Diaphanichthys Peters, 399; orthotype *D. BREVICAUDUS* Peters. Larva, allied to *CONGER*.

878. POWRIE (1864). *On the Fossiliferous Rock of Forfarshire and Their Contents.* Quart. Journ. Geol., XX.

JAMES POWRIE.

Ictinocephalus (Page) Powrie, XX, 419; orthotype *DIPLACANTHUS GRACILIS* Egert. (fossil). Listed name only as *I. GRANULATUS* by Page, *Rept. Brit. Assn.*, 1858, 104.

Euthacanthus Powrie, XX, 425; orthotype *E. MACNICOLI* Powrie. A synonym of *CLIMATIUS* Ag.

879. ROMANOWSKY (1864). *Description de quelques restes de poissons fossiles trouvés dans le calcaire carbonifère du gouvernement de Toula.* Bull. Soc. Imp. Nat. Moscou, II.

GIENNADI DANILOVICH ROMANOWSKY (= ROMANOVSKII).

Lophodus Romanowsky, XXXVI, 160; logotype *L. IRREGULARIS* Romanowsky (fossil). Apparently a synonym of *PSEPHODUS*.

Plintholepis Romanowsky, XXXVII, 169; orthotype *P. RETRORSA* Romanowsky (fossil).

Sporolepis Romanowsky, XXXVII, 169; logotype *S. PYRIFORMIS* Romanowsky (fossil).

1865

880. BLEEKER (1865). *Rhinobagrus et Pelteobagrus, deux genres nouveaux de Siluroïdes de Chine*. Neder. Tijdschr. Dierk., II, 1865, 710.

PIETER BLEEKER.

Rhinobagrus Bleeker, 9; orthotype R. DUMERILI Blkr.

Pelteobagrus Bleeker, 9; orthotype SILURUS CALVARIUS Basilewsky = PIMELODUS FULVIDRACO Rich. Replaces FLUIDRACO Jordan & Starks.

881. BLEEKER (1865). *Paralaubuca, un genre nouveau de Cyprinoïdes de Siam*. Neder. Tijdschr. Dierk., II, 1865, 15-17.

PIETER BLEEKER.

Paralaubuca Bleeker, II, 16; orthotype P. TYPUS Blkr.

882. BLEEKER (1865). *Notices sur quelques genres et espèces de Cyprinoïdes de Chine*. Neder. Tijdschr. Dierk., II, 1865, 28-29.

PIETER BLEEKER.

Parabramis Bleeker, 22; orthotype ABRAMIS PEKINENSIS Basil.

Acanthobrama Bleeker, 25; orthotype A. SINONI Blkr.

Paracanthobrama Bleeker, 23; orthotype P. GUICHENOTI Blkr.

Pseudolaubuca Bleeker, 28; orthotype P. SINENSIS Blkr.

883. BLEEKER (1865). *Poissons inédits indo-archipélagiques de l'ordre des Murènes*. Neder. Tijdschr. Dierk., II, 1865, 55-62.

PIETER BLEEKER.

Brachyconger Bleeker, II, 230; orthotype MURENA SAVANNA Cuv. A synonym of CYNOPONTICUS Costa.

Achirophichthys Bleeker, II, 242; orthotype A. TYPUS Blkr. Apparently the young of BRACHYSOMOPHIS.

884. BLEEKER (1865). *Systema Murænorum revisum*. Neder. Tijdschr. Dierk., II, 1865, 113-122.

PIETER BLEEKER.

Paranguilla Bleeker, 113; orthotype ENCHELYOPUS TIGRINUS Ag. (fossil). Name a substitute for ENCHELYOPUS Ag., preoccupied.

Pseudomoringua Bleeker, 114; orthotype MORINGUA LUMBRICOIDEA Rich.

Oxyconger Bleeker, 116; orthotype CONGER LEPTOGNATHUS Blkr.

885. BLEEKER (1865). *Quatrième notice sur la faune ichthyologique de l'île de Bouro*. Neder. Tijdschr. Dierk., II, 1865.

PIETER BLEEKER.

Tetradés Bleeker, 145; orthotype TETRADRACHMUM XANTHOSOMA Blkr. Apparently a lapsus for TETRADRACHMUM.

886. BLEEKER (1865). *Notice sur le genre Paraploactis et description de son espèce type*. Neder. Tijdschr. Dierk., 1865, 168-170.

PIETER BLEEKER.

Paraploactis Bleeker, II, 169; orthotype P. TRACHYDERMA Blkr.

- 886A. BLEEKER (1865). *Description de quelques espèces de poissons du Japon, du Cap de Bonne Espérance et de Suriname . . . au Musée de Leide*. Neder. Tijdschr. Dierk., II, 250-269.

Parajulis Bleeker, 251; orthotype JULIS PÆCILOPTERUS T. & S. A synonym of HALICHERES Rüppell (HEMIJULIS Sw.).

887. BLEEKER (1865). *Sixième notice sur la faune ichthyologique de Siam.*
Neder. Tijdschr. Dierk., II, 1865, 171-176.

PIETER BLEEKER.

Parastromateus Bleeker, 174; orthotype **STROMATEUS NIGER** Bloch. A synonym of
APOLECTUS Cuv. & Val.

888. BLEEKER (1865). *Énumération des espèces de poissons actuellement connues
de l'île de Ceram.* Neder. Tijdschr. Dierk., II, 1865, 182-183.

Solenichthys Bleeker, 183; logotype **FISTULARIA PARADOXUS** Pallas. A substitute for
SOLENOTOMUS Lac., regarded as preoccupied by **SOLENOTOMUS** Gronow;
and of Klein, which is a synonym of **FISTULARIA** L. Later (1873) Bleeker
changed **SOLENICHTHYS** to **SOLENOTOMATICHTHYS**.

889. BLEEKER (1865). *Énumération des espèces de poissons actuellement connues
de l'île d'Amboine.* Neder. Tijdschr. Dierk., II, 1865, 270-283.

PIETER BLEEKER.

Paradiodon Bleeker, 271; orthotype **DIODON HYSTRIX** L., the name **DIODON** being
transferred to **DIODON ATINGA**, the first species named by Linnæus. A syno-
nym of **DIODON** L. as now understood.

Pseudalutarius Bleeker, 273; orthotype **ALUTERES NASICORNIS** T. & S. Name
unnecessarily changed to **PSEUDALUTERES** Blkr., 1866.

Paraplagusia Bleeker, 274; orthotype **PLAGUSIA BILINEATA** Blkr.

Pseudamia Bleeker, 284; orthotype **APOGON POLYSTIGMA** Blkr.

890. BLEEKER (1865). *Atlas ichthyologique, etc. V. Baudroies, Ostracions, etc.*

PIETER BLEEKER.

Atopomycterus (Kaup) Bleeker, 49; orthotype **DIODON NYCTHEMERUS** Cuv..

Uranostoma (Bibron) Bleeker, 63; orthotype not stated, passing reference to a
manuscript name in the Museum of Paris. (A synonym of **SPHEROIDES** or of
TETRAODON.)

Pleuranacanthus (Bibron) Bleeker, 65; orthotype **P. ARGENTATUS** Bibron =
TETRAODON SCELERATUS Forster. A manuscript name in the Museum of
Paris, noted by Bleeker in *Synonymy*. Same as **PROMECOCEPHALUS** Bibron;
a synonym of **LAGOCEPHALUS** Sw.

891. COPE (1865). *Partial Catalogue of the Cold-blooded Vertebrata of Michigan.*
Supplemental Note on a Peculiar Genus of Cyprinida. Proc. Acad. Nat. Sci.
Phila.

EDWARD DRINKER COPE.

Ericymba Cope, 88; orthotype **E. BUCCATA** Cope.

892. COSTA (1865). *Studi sopra i terrene ad ittioliti delle provincie Napolitane, etc.*
Atti Reale Accad. Sci. Napoli.

ORONZIO GABRIELE COSTA.

Heterolepis Costa, II, 4; orthotype (not stated by Woodward) (fossil).

Andreiopleura Costa, II, 27; orthotype **A. VETUSTISSIMA** Costa (fossil). Called
A. ESIMIA (**EXIMIA**) Costa on page 10.

893. DAY (1865). *The Fishes of Malabar.*

FRANCIS DAY (1829-1889).

Paranandus Day, 130; orthotype **CATOPRA MALABARICA**. A synonym of **PRISTOLEPIS**
Jerdon (**CATOPRA**).

- Platacanthus** Day, 296; orthotype *P. AGENSIS* Day. A synonym of *LEPIDOCEPHALICHTHYS* Blkr.
- Brachygramma** Day, 304; orthotype *B. JERDONI* Day. A synonym of *AMBLYPHARYNGODON* Blkr.
- Paradanio** (Bleeker) Day, 319; orthotype *PERILAMPUS AUROLINEATUS* Day. A synonym of *DANIO* Ham.
894. DUMÉRIL (AUGUSTE) (1865). *Histoire naturelle des poissons ou ichthyologie générale*. Vol. I.
AUGUSTE HENRI ANDRÉ DUMÉRIL.
- Paratrygon** Duméril, 594; orthotype a specimen from Brazil, identified as *TRYGON AIREBA* M. & H. = *RAJA ORBICULARIS* Bl. & Schn., usually regarded as replacing *POTAMOTRYGON* Garman, 1877, but Eigenmann considers it as the same as *DISCEUS* Garman.
895. GILL (1865). *Synopsis of the Fishes of the Gulf of St. Lawrence and Bay of Fundy*. Canadian Naturalist, II.
THEODORE GILL.
- Stilbius** Gill, 262 (18, reprint); orthotype *CYPRINUS AMERICANUS* Lac. A substitute for *STILBE*, preoccupied. A synonym of *NOTEMIGONUS* Raf.
- Micristius** Gill, 24 (reprint); logotype *FUNDULUS ZONATUS* Cuv. & Val. A synonym of *ZYGONECTES* Ag.
896. GILL (1865). *On the Genus Caulolatilus*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Prolatilus** Gill, 66; orthotype *LATILUS JUGULARIS* Cuv. & Val.
897. GILL (1865). *On the Cranial Characters of Gadus proximus Grd.* Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Microgadus** Gill, 69; orthotype *GADUS PROXIMUS* Grd.
898. GILL (1865). *On a New Genus of Serraninae*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Trisotropis** Gill, 104; orthotype *JOHNIUS GUTTATUS* Bl. & Schn. = *PERCA VENENOSA* L.
- Enneacentrus** Gill, 105; orthotype *PERCE PUNCTATA* L. A synonym of *CEPHALOPHOLIS* Bl. & Schn.
- Petrometopon** Gill, 105; orthotype *SPARUS CRUENTATUS* Lac.
899. GILL (1865). *On a New Generic Type of Sharks*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Micristodus** Gill, 177; orthotype *M. PUNCTATUS* Gill. A synonym of *RHINEODON* Smith.
900. GILL (1865). *Note on the Family of Myliobatoids with Description of a New Species of Aëtobatis*. Ann. Lyc. N. Y., VII.
THEODORE GILL.
- Mylorhina** Gill, 136; orthotype *RHINOPTERA LALANDI* M. & H.
- Micromesus** Gill, 136; orthotype *RHINOPTERA ADSPERSA* M. & H.
901. GÜNTHER (1865). *Description of a New Characinoid Genus of Fish (Phago loricatus) from West Africa*. Ann. Mag. Nat. Hist., XV.
ALBERT GÜNTHER.
- Phago** Günther, XV, 3; orthotype *P. LORICATUS* Gthr.

- 902, 903. GÜNTHER (1865). *Zoological Record*. II.
ALBERT GÜNTHER.
Herpetoichthys (Smith) Günther, 159; orthotype *ERPETOICHTHYS MALABARICUS* Smith. Name preoccupied, replaced by *CALAMOICHTHYS* Smith, 1866.
904. JOHNSON (1865). *Description of a New Genus of Trichuroid Fishes Obtained at Madeira, with Remarks, etc.* Proc. Zool. Soc. London.
JAMES YATE JOHNSON.
Nealotus Johnson, 434; orthotype *N. TRIPES* Johnson.
905. KNER (1865). *Einige neue Fische*, etc. Anz. Akad. Wiss. Wien.
RUDOLF KNER.
Thysanocheilus Kner, I. 185; orthotype *T. ORNATUS* Kner, not *THYSANOCHILUS* Philippi, 1857.
- Leius** Kner, 186; orthotype *L. FERON* Kner. A synonym of *ISISTIUS* Gill.
906. KNER (1865). *Reise der Oesterreichischen Fregatte "Novara" um die Erde in den Jahren 1857-59, unter . . . B. von Wüllersdorf-Urbain.*
RUDOLPH KNER.
Pseudomugil Kner, 275; orthotype *P. SIGNIFER* Kner.
- Chæroplotosus** Kner, 300; orthotype *C. DECEMFILIS* Kner. A synonym of *CNI-DOGLANIS* Gthr.
- Silurodon** Kner, 305; orthotype *S. HEXANEMA* Kner.
- Opsarius** Kner, 355; orthotype *LEUCISCUS PARVUS* T. & S. A synonym of *PSEUDO-RASBORA* Blkr.
907. KNER (1865). *Psalidostoma, eine neue Characinengattung aus dem Weissen Nil*. Sitzb. Akad. Wiss. Wien. L.
RUDOLPH KNER.
Psalidostoma Kner, L. 99; orthotype *P. CAUDIMACULATUM* Kner.
908. LANKESTER (1865). *On the British Species of Cephalaspis and the Scotch Pteraspis*. Rept. Brit. Assn. Adv. Sci. for 1864.
EDWIN RAY LANKESTER.
Scaphaspis Lankester, 58; orthotype *CEPHALASPIS LLOYDI* Ag. (fossil). = *CEPHALASPIS ROSTRATUS* Ag. A synonym of *PTERASPIS* Ag.
909. LEIDY (1865). (*Tomodon*). Smithsonian Contributions.
JOSEPH LEIDY.
Tomodon Leidy, XIV, 102; orthotype *TOMODON HORRIFICUS* Leidy (fossil); originally described as a reptile tooth, hence needlessly replaced by *DIPLO-TOMODON* Leidy, 1868.
910. LIOY (1865). *Sopre alcuni Avanzi di Plagiostomi fossili del Vicentino*, etc. Atti Soc. Ital. Sci. Nat. Milano, VIII.
PAOLO LIOY (1836-).
Uropterina Lioy, VIII, 113; orthotype *U. PLATYRHACHIS* Lioy (fossil).
Alopiopsis Lioy, VIII, 403; orthotype *A. PLEJODON* Leidy (*GALEUS CUVIERI* Ag.) (fossil). A synonym of *PROTOGALEUS* and *SCOLIODON*.
Ptericephalina Lioy, 414; orthotype *CLUPEA LEPTOSTEA* Ag. (fossil). An ally of *SPRATTELLA* Val. (the sprat).

911. MARCK & SCHLÜTER (1865). *Neue Fische und Krebse aus der Kreide von Westphalen*. XV. *Palaeontographica*.

W. VON DER MARCK; AUGUST JOSEPH SCHLÜTER (1836-).

Megapus Schlüter, XV, 275; orthotype *M. GUESTPHALICUS* Schlüter (fossil). A synonym of *CHEIROTHRIX*.

Telepholis von der Marck, XV, 276; orthotype *T. ACROCEPHALUS* Marck (fossil).

Dactylopopogon von der Marck, XV, 278; orthotype *D. GRANDIS* Marck (fossil).

Holcolepis von der Marck, XV, 278; orthotype *RHABDOLEPIS CRETACEUS* Marck (fossil). Replaces *RHABDOLEPIS*, preoccupied.

Brachyspondylus von der Marck, XV, 283; orthotype *B. CRETACEUS* Marck (fossil).

Dermatoptychus von der Marck, XV, 287; orthotype *D. MACROPHthalmus* Marck (fossil). A synonym of *OSMEROIDES* Ag.

Archæogadus von der Marck, XV, 291; orthotype *H. GUESTPHALICUS* Marck (fossil). A synonym of *HALEC* Ag.

912. OWEN (1865). *Description of Portions of a Large Extinct Fish (Stereoodus) . . . from the Middle Beds of the Maltese Miocene*.

RICHARD OWEN.

Stereodus Owen, II, 147; orthotype *S. MELITENSIS* Owen (fossil).

913. PETERS (1865). *Ueber eine neue Percoidengattung Plectroperca aus Japan*, etc. *Mon. Ber. Akad. Wiss. Berlin*.

WILHELM PETERS.

Plectroperca Peters, 121; orthotype *P. BERENDTI* Peters = *P. CHUATSI* Basilewsky. A synonym of *SINIPERCA* Gill.

914. POEY (1865). *Repertorio fisico-natural de la isla de Cuba: Peces Ciegos*.

FELIPE POEY Y ALOY.

Stygicola (Gill) Poey, 116; orthotype *LUCIFUGA DENTATUS* Poey.

915. SMITH, JOHN ALEXANDER (1865). *Description of Erpetoichthys, a New Genus of Ganoid Fish from Old Calabar*, etc. *Edinburg Roy. Phys. Soc.*

JOHN ALEXANDER SMITH.

Erpetoichthys Smith, 273; orthotype *CALAMOICHTHYS MALABARICUS* Smith. Name preoccupied; replaced by *CALAMOICHTHYS* Smith.

916. TICKELL (1866). *Description of a Proposed New Genus of the Gadidæ*. *Journ. Asiat. Soc. Bengal*, XXXIV.

S. R. TICKELL.

Asthenurus Tickell, XXXIV, 32; orthotype *A. ATRIPINNIS* Tickell. A synonym of *BREGMACEROS* Thompson.

1866

917. BLANCHARD (1866). *Les poissons des eaux douces de la France*, etc. CHARLES ÉMILE BLANCHARD (1820-1900).

Cyprinopsis Blanchard, 336; orthotype *CYPRINUS CARASSIUS* L. A synonym of *CARASSIUS* Nilsson.

918. BLEEKER (1866). *Systema Balistidorum, Ostracionidorum, Gymnodontidorumque revisum*. *Neder. Tijdschr. Dierk.*, III, 1866, 8-10.

PIETER BLEEKER.

- Parabalistes** Bleeker, 10; orthotype *BALISTES CHRYSOSPILUS* Blkr.
Pseudobalistes Bleeker, 11; orthotype *BALISTES FLAVIMARGINATUS* Rüppell.
Pseudomonacanthus Bleeker, 12; orthotype *MONACANTHUS MACRURUS* Blkr.
Paramonacanthus Bleeker, 12; orthotype *MONACANTHUS CURTORHYNCHUS* Blkr.
Acanthaluteres Bleeker, 13; orthotype *MONACANTHUS PERONI* Hollard.
Brachaluteres Bleeker, 13; orthotype *ALUTERIUS TROSSULUS* Rich.
Liomonacanthus Bleeker, 13; orthotype *MONACANTHUS PARDALIS* Rüppell. A synonym of *CANTHERINES* Sw.
Pseudaluteres Bleeker, 14; orthotype *ALUTERES NASICORNIS* T. & S. Originally called *PSEUDALUTARIUS* by Bleeker in 1865.
Paraluteres Bleeker, 14; orthotype *ALUTARIUS PRIONURUS* Blkr.
Oxymonacanthus Bleeker, 16; orthotype *O. CHRYSOSPILUS* Blkr. = *BALISTES LONGIROSTRIS* Bl. & Schn.
Trichodiodon Bleeker, 18; orthotype *DIODON PILOSUS* Mitchill. Probably a larval *DIODON*.
Crayracion (Klein) Bleeker, 18; orthotype *C. LEVISSIMUS EX TERREO RUFESCENS* Klein = *TETRAODON SPENGLERI* Bloch. Probably a synonym of *TETRAODON*, but Bleeker regards it as a species of *OVIDES* as now understood.
Acanthostracion Bleeker, 27; orthotype *OSTRACION QUADRICORNIS* L.
919. BLEEKER (1866). *Sur les espèces d'Exocet de l'Inde archipélagique*. Neder. Tijdschr. Dierk., III, 1866, 105-129.
 PIETER BLEEKER.
- Parexocœtus** Bleeker, III, 126; orthotype *EXOCETUS MENTO* Cuv. & Val.
920. BLEEKER (1866). *Révision des Hémirhamphes de l'Inde archipélagique*. Neder. Tijdschr. Dierk., III, 1866, 136-170.
 PIETER BLEEKER.
- Hemirhamphodon** Bleeker, 118; orthotype *HEMIRHAMPHUS PHAIOSOMA* Blkr.
921. BLEEKER (1866). *Description du Narcacion Polleni, espèce inédite des mers de l'île de la Réunion*. Neder. Tijdschr. Dierk., III, 1866, 171-173.
 PIETER BLEEKER.
- Narcacion** (Klein) Bleeker, III, 171; orthotype *RAJA TORPEDO* L. Equivalent to *TORPEDO* Dum.
922. COSTA (1866). (*Ittiolite*.) Ann. Accad. Aspir. Nat., V.
 GABRIELE ORONZIO COSTA.
- Lobodus** Costa, V, 81; orthotype *L. PEDEMONTANUS* Costa (fossil).
923. GÜNTHER (1866). *Catalogue of Fishes in the British Museum*. VI.
 ALBERT GÜNTHER.
- Hucho** Günther, VI, 125; orthotype *SALMO HUCHO* L. = *HUCHO GERMANORUM* Gthr.
Brachymystax Günther, VI, 162; orthotype *SALMO COREGONOIDES* Pallas.
Luciotrutta Günther, VI, 164; orthotype *SALMO MACKENZIEI* Rich. A synonym of *STENODUS* Rich.
Potamorrhaphis Günther, VI, 234; orthotype *BELONE TÆNIATA* Gthr.
Arrhamphus Günther, VI, 276; orthotype *A. SCLEROLEPIS* Gthr.
Fitzroyia Günther, VI, 307; orthotype *LEBIAS MULTIDENTATA* Jenyns.
Characodon Günther, VI, 308; orthotype *C. LATERALIS* Gthr.
Limnurgus Günther, VI, 309; orthotype *L. VARIEGATUS* Gthr. A needless substitute for *GIRARDINICHTHYS* Blkr., called "barbarous".

Jenyntia Günther, VI, 331; orthotype *LEBIAS LINEATA* Jenyns; a synonym of *FITZROYIA*.

Platypæcilus Günther, VI, 350; orthotype *P. MACULATUS* Gthr.

923A. GÜNTHER (1866). *On the Fishes of the States of Central America*, etc. Proc. Zool. Soc. London.

ALBERT GÜNTHER.

Neetroplus Günther, 603; orthotype *N. NEMATOPUS* Gthr.

924. HUXLEY (1866). *British Fossils: Crossopterygian Ganoids*. Mem. Geol. Surv. United Kingdom.

THOMAS HUXLEY (1825-1895).

Eurypoma Huxley, 32; orthotype *MACROPOMA EGERTONI* Ag. (fossil). A synonym of *EURYCORMUS* and of *MACROPOMA*.

925. GUICHENOT (1866). *Le Trigle polyommate, nouveau genre de poissons*, (etc.). *Ichthyologie*. Ann. Soc. Maine-et-Loire, IX.

ALPHONSE GUICHENOT.

Hoplonotus Guichenot, IX, 3; orthotype *TRIGLA POLYOMMATA* Rich. Preoccupied in beetles, 1851; replaced by *PTERYGOTRIGLA* Waite (1899) and later by *OTOHIME* Jordan & Starks (1905).

926. GUICHENOT (1866). *Le Zancla centrognathe, nouveau genre de Chétodons*. Ann. Soc. Maine-et-Loire, IX.

ALPHONSE GUICHENOT.

Gnathocentrum Guichenot, IX, 4; orthotype *G. CENTROGNATHUM* Guich. = *CHÆTODON CORNUTUS* L. A synonym of *ZANCLUS*.

927. GUICHENOT (1866). *L'Argentine leioglosse, nouveau genre de Salmonoides*. Ann. Soc. Maine-et-Loire, IX.

ALPHONSE GUICHENOT.

Glossanodon Guichenot, IX, 9; orthotype *ARGENTINA LEIOGLOSSA* Cuv. & Val.

928. GUICHENOT (1866). *Notice sur un nouveau genre de la famille des Cottoides*, etc. Mem. Soc. Sci. Nat. Cherbourg.

ALPHONSE GUICHENOT.

Agonomalus Guichenot, 252; orthotype *ASPIDOPHALUS PROBOSCIDALIS* Val.

929. KNER (1866). *Neue Fische aus dem Museum der Herren J. Casar Godeffroy & Sohn in Hamburg*. Sitzb. Akad. Wiss. Wien, LIV.

RUDOLPH KNER.

Strabo Kner & Steindachner, LIV, 372; orthotype *S. NIGROFASCIATUS* K. & S. A synonym of *MELANOTÆNIA* Gill.

930. KNER (1866). *Die Fische der bituminösen Schiefer von Raibl in Kärnthen*. Sitzb. Akad. Wiss. Wien, LIII.

RUDOLPH KNER.

Graphiurus Kner, LIII, 155; orthotype *G. CALLOPTERUS* Kner (fossil).

Orthurus Kner, LIII, 163; orthotype *O. STURI* Kner (fossil).

Megalopterus Kner, LIII, 174; orthotype *M. RAIBLIANUS* Kner (fossil).

Peltopterus Kner, LIII, 180; orthotype *P. SPLENDENS* Kner (fossil).

931. NEWBERRY & WORTHEN (1866). *Descriptions of New Species of Vertebrates Mainly from the Subcarboniferous Limestones and Coal Measures of Illinois*. Geol. Surv. Ills., II.
JOHN STRONG NEWBERRY; AMOS H. WORTHEN.
Antliodus Newberry & Worthen, II, 33; logotype A. PARVULUS Newberry & Worthen. A synonym of PETALODUS OWEN.
Dactylodus Newberry & Worthen, II, 33; logotype D. PRINCEPS Newberry & Worthen (fossil).
Aspidodus Newberry & Worthen, II, 92; logotype PSEPHODUS CRENULATUS St. John & Worthen (fossil). A synonym of PSEPHODUS.
Sandalodus Newberry & Worthen, II, 102; orthotype S. ANGUSTUS Newberry & Worthen. (fossil).
Rinodus Newberry & Worthen, II, 106; orthotype R. CALCEOLUS Newberry & Worthen (fossil). A synonym of PTYCTODUS.
Trigonodus Newberry & Worthen, II, 111; logotype T. MAJOR. Newberry & Worthen (fossil). Apparently a synonym of PSEPHODUS.
Drepanacanthus Newberry & Worthen, II, 120 (fossil); orthotype D. ANCEPS Newberry & Worthen. A synonym of PHYSONEMUS.
932. OWEN (1866). *On a Genus and Species of Sauroid Fish. (Thlattodus suchoides Ow.) from the Kimmeridge Clay of Norfolk*. Geol. Mag.
RICHARD OWEN.
Thlattodus Owen, III, 55; orthotype T. SUCHOIDES Owen (fossil). A synonym of CATURUS.
933. OWEN (1866). *On a Genus and Species of Sauroid Fish (Ditaxiodus impar Ow.) from the Kimmeridge Clay of Culham, Oxfordshire*. Geol. Mag.
RICHARD OWEN.
Ditaxiodus Owen, 107; orthotype D. IMPAR Owen (fossil). A synonym of CATURUS.
934. PETERS (1866). *Mittheilung über Fische, etc.* Mon. Akad. Wiss. Berlin.
WILHELM PETERS.
Auliscops Peters, 510; orthotype A. SPINESCENS Peters = AULORHYNCHUS FLAVIDUS. Gill. A synonym of AULORHYNCHUS Gill.
Labracoglossa Peters, 513; orthotype L. ARGENTEIVENTRIS Peters.
Nematocentris Peters, 516; orthotype N. SPLENDIDA Peters. A synonym of MELANOTENIA Gill.
935. PICTET & HUMBERT (1866). *Nouvelles recherches sur les poissons fossiles du Mont Liban*. Arch. Sci. Genève, XXVI.
FRANÇOIS JULES PICTET; A. HUMBERT.
Cheirothrix Pictet & Humbert, 51; orthotype C. LIBANICUS Pictet & Humbert (fossil). Spelled CHIROTHRIX by Woodward.
Solenognathus Pictet & Humbert, 54; orthotype S. LINEOLATUS Pictet & Humbert (fossil). Name preoccupied; same as CHARITOSOMUS von der Marek, 85.
Opisthopteryx Pictet & Humbert, 78; (misprinted OPISTOPTERYX); orthotype MESOGASTER GRACILIS Pictet.
Pseudoberyx Pictet & Humbert, 32; logotype P. SYRIACUS Pictet & Humbert (fossil).
Aspidopleurus Pictet & Humbert, 107; orthotype A. CATAPHRACTUS Pictet & Humbert. A synonym of PRIONOLEPIS Egert.

936. PLAYFAIR (1866). *The Fishes of Zanzibar*.
ROBERT PLAYFAIR.
Tripterodon Playfair, 42; orthotype *T. ORBIS* Playfair.
937. REINHARDT (1866). *Om trende formentligt ubeskrevne Fisk of Characinernes eller Karpelaxenes familie* Overs. Dansk. Forh. Kjöbenhavn.
JOHANN THEODOR REINHARDT (1816-1882).
Piabina Reinhardt, 49; orthotype *P. ARGENTEA* Reinh.
Characidium Reinhardt, 56; orthotype *C. FASCIATUM* Reinh.
938. SCHMIDT (1866). *Ueber Thyestes verrucosus . . . silurische Fischreste auf der Insel Oesel*. Verh. Min. Ges. St. Petersburg.
FRIEDRICH SCHMIDT (1832-1908).
Tremataspis Schmidt, I, 233; orthotype *CEPHALASPIS SCHRENKI* Pander (fossil).
Apparently a synonym of *STIGMOLEPIS* Pander.
939. SMITH (1866). *Description of Calamoichthys, a New Genus of Ganoid Fish from Old Calabar, etc.* Trans. Roy. Soc. Edinburgh, XXIV.
JOHN ALEXANDER SMITH.
Calamoichthys J. A. Smith, V, 654; orthotype *HERPETOICHTHYS CALABARICUS* Smith.
A substitute for *HERPETOICHTHYS* or *ERPETOICHTHYS*, preoccupied in eels.
940. STEINDACHNER (1866). (*Richardsonia*.) Sitzb. Akad. Wiss. Wien.
FRANZ STEINDACHNER.
Richardsonia Steindachner, 53; orthotype *ARGENTINA RETROPINNA* Rich. A synonym of *RETROPINNA* Gill.
941. STEINDACHNER (1866). *Zur Fischfauna von Port Jackson in Australien*. Sitzb. Akad. Wiss. Wien, LIII.
FRANZ STEINDACHNER.
Schuettea Steindachner, LIII, 449; orthotype *S. SCALARIPINNIS* Steind.
Heterochærops Steindachner, LIII, 461; orthotype *H. VIRIDIS* Steind.
942. STEINDACHNER (1866). *Ichthyologischer Bericht ueber eine nach Spanien und Portugal unternommener Reise*. IV. Sitzb. Akad. Wiss. Wien.
FRANZ STEINDACHNER.
Pachychilon Steindachner, LIV, 263; orthotype *SQUALIUS PICTUS* Heckel & Kner.
943. STEINDACHNER (1866). *Zur Fischfauna Kaschmirs und der benachbarten Landesstreiche*. Verh. Zool. Bot. Ges. Wien, XVI.
FRANZ STEINDACHNER.
Kneria Steindachner, 769; orthotype *K. ANGOLENSIS* Steind.
Ctenopharyngodon Steindachner, 782; orthotype *C. LATICEPS* Steind.
Schizopygopsis Steindachner, 786; orthotype *S. STOLICZKÆ* Steind.
Diptychus Steindachner, 787; orthotype *D. MACULATUS* Steind.
Ptychobarbus Steindachner, 789; orthotype *P. CONIROSTRIS* Steind.
944. TROSCHEL (1866). *Ein Beitrag zur ichthyologischen Fauna der Insel der Grünen Vorgebirges (Cape Verde Islands)*. Arch. Naturg.
FRANZ HERMANN TROSCHEL.
Onychognathus Troschel, 231; orthotype *O. CAUTUS* Troschel.
945. YOUNG (1866). *On the Affinities of Platysomus and Allied Genera*. Quart. Journ. Geol., XXII.
JOHN YOUNG.

Amphicentrum Young, XXII, 306; orthotype *A. GRANULOSUM* Young (fossil). A synonym of *CHEIRODUS*.

Euryosomus Young, XXII, 311; orthotype *E. MACRURUS* Young (fossil). A synonym of *GLOBULODUS*.

Mesolepis Young, XXII, 313; logotype *M. WARDI* Young (fossil).

Cycloptychius Young, 318; orthotype *C. CARBONARIUS* (Huxley) Young (fossil).

946. YOUNG (1866). *Notice of New Genera of Carboniferous Glyptodipterines*. Quart. Journ. Geol. Soc., XXII.

JOHN YOUNG,

Rhizodopsis Young, XXII 596; orthotype *HOLOPTYCHIUS SAUROIDES* Williamson, not of Binney = *RHIZODUS GRANULATUS* (Ag.), fossil.

Dendroptychius (Huxley) Young, XXII, 601; orthotype *HOLOPTYCHIUS SAUROIDES* Binney (fossil). Identical with *STREPSODUS* Young and with page priority.

Strepsodus (Young) XXII, 602; orthotype *HOLOPTYCHIUS SAUROIDES* Binney (fossil).

Rhomboptychius (Huxley) Young, XXII, 604; orthotype (*MEGALICHTHYS INTERMEDIUS* Woodw.) (fossil). A synonym of *CENTRODUS*.

1867

947. COPE (1867). *Description of a New Genus (Phenacobius teretulus) of Cyprinoid Fishes from Virginia*. Proc. Acad. Nat. Sci. Phila.

EDWARD DRINKER COPE.

Phenacobius Cope, 96; orthotype *P. TERETULUS* Cope.

948. COPE (1867). *On the Distribution of Fresh-water Fishes in the Allegheny Region of Southwestern Virginia*. Journ. Acad. Nat. Sci. Phila.

EDWARD DRINKER COPE.

Hemioplites Cope, 217; orthotype *H. SIMULANS* Cope. An aberrant specimen of *ENNEACANTHUS*.

949. COPE (1867). *Synopsis of the Cyprinida of Pennsylvania: Supplement on Some New Species of American and African Fishes*. Trans. Amer. Philos. Soc., XIII.

EDWARD DRINKER COPE.

Photogenis Cope, 378; tautotype *SQUALIUS PHOTOGENIS* Cope = *PHOTOGENIS LEUCOPS* Cope. *P. SPILOPTERUS*, a species of the group *EROGALA*, has been named as type by Jordan, but the tautotype takes precedence.

Cryptosmilia Cope, XIII, 401; orthotype *C. LUNA* Cope. A synonym of *DREPANE* Cuv. (*ENIXE* Gistel).

Enteromius Cope, XIII, 405; orthotype *E. POTAMOGALIS* Cope.

Sphagomorus Cope, XIII, 407; orthotype *HIPPGLOSSUS ERUMEI* Cuv. An ally of *PSETTODES* Bennett, but with simple, not barbed, teeth.

950. DAY (1867). *On Some New or Imperfectly Known Fishes of Madras*. Proc. Zool. Soc. London.

FRANCIS DAY.

Gogrius Day, 563; orthotype *PIMELODUS GOGRA* Sykes = *GOGRIUS SYKESI* Day. A synonym of *RITA* Blkr.

951. GÜNTHER (1867). *On the Identity of Alepisaurus (Lowe) with Plagyodus (Steller)*. Ann. Mag. Nat. Hist., XIX.

ALBERT GÜNTHER.

- Plagyodus** (Steller, in *Pallas*, 1811) Günther, XIX, 185; orthotype **PLAGYODUS** (Steller) Pallas = **ALEPISAURUS ÆSCULAPIUS** Bean. Revival of an old name which may be untenable as monomial and printed only in the dative case ("PLAGYODONTEM") by its author.
952. GÜNTHER (1867). *Description of Some Little Known Species of Fishes in . . . the British Museum*. Proc. Zool. Soc. London.
ALBERT GÜNTHER.
- Champsodon** Günther, 102; orthotype **C. VORAX** Gthr.
953. GÜNTHER (1867). *On a New Form of Mudfish from New Zealand*. Ann. Mag. Nat. Hist., XX.
ALBERT GÜNTHER.
- Neochanna** Günther, X, 305; orthotype **N. APODA** Gthr.
954. GÜNTHER (1867). *Additions to the Knowledge of Australian Reptiles and Fishes*. Ann. Mag. Nat. Hist., XX.
ALBERT GÜNTHER.
- Sticharium** Günther, XX, 62; orthotype **S. DORSALE** Gthr.
- Notograptus** Günther, XX, 63; orthotype **N. GUTTATUS** Gthr.
955. GÜNTHER (1867). *New Fishes from Gaboon and the Gold Coast*. Ann. Nat. Hist.
ALBERT GÜNTHER.
- Gymnallabes** Günther, XX, 111; orthotype **G. TYPUS** Gthr.
- Nannocharax** Günther, XX, 112; orthotype **N. FASCIATUS** Gthr.
- Xenocharax** Günther, XX, 112; orthotype **X. SPILURUS** Gthr.
956. GUICHENOT (1867). *Notice sur le lophiopside, nouveau genre de poisson de la famille de lophioides*, etc. Mem. Soc. Nat. Sci. Cherbourg, XIII.
ALPHONSE GUICHENOT.
- Lophiopsides** Guichenot, 21; orthotype **LOPHIUS VOMERINUS** Cuv. & Val. Distinguished from **LOPHIUS** by the absence of vomerine teeth; perhaps lost with age.
957. GUICHENOT (1867). *Notice sur le Neosébaste, nouveau genre*, etc. Mem. Soc. Nat. Sci. Cherbourg, XIII.
ALPHONSE GUICHENOT.
- Neosebastes** Guichenot, XIII, 83; orthotype **N. SCORPÆNOIDES** Guich.
958. GUICHENOT (1867). *Notice sur le Sériolophe, nouveau genre de poissons de la famille des scombéroides*, etc. Mem. Soc. Nat. Sci. Cherbourg, XIII, 90-95.
ALPHONSE GUICHENOT.
- Leptolepis** (Van Hasselt) Guichenot, 68; orthotype **L. ARGENTEUS** Van Hasselt. Name of type only, no definition. Possibly intended for **PAMPUS ARGENTEUS**; name preoccupied in fossils.
- Seriolophus** Guichenot, 90; orthotype **S. CARANGOIDES** Guich. A synonym of **NEMATISTIUS** Gill.
959. GUICHENOT (1867). *Notice sur le Salarichthys nouveau genre de poissons*, etc. Mem. Soc. Nat. Sci. Cherbourg.
ALPHONSE GUICHENOT.

- Salarichthys** Guichinot, 14; orthotype *SALARIAS VOMERINUS* Cuv. & Val. = *SALARIAS TEXTILIS* Q. & G. (Written *SALARICHTHYS* by Jordan, 1890.)
960. HUXLEY (1867). (*Fossil Fishes.*) Trans. Royal Irish Society, XXIV. THOMAS HENRY HUXLEY.
- Campylopleuron** Huxley & Wright, XXIV, 353 (fossil). Probably a synonym of *CTENODUS*.
961. JOHNSON (1867). *Description of a New Genus of Spinacidae Founded on a Shark Obtained at Madeira.* Proc. Zool. Soc. London. JAMES YATE JOHNSON.
- Machephilus** Johnson, 713; orthotype *M. DUMERILI* Johnson = *SQUALUS SQUAMOSUS* Bonnaterre. A synonym of *LEPIDORHINUS* Bon.
962. KNER (1867). *Neuer Beitrag zur Kenntniss der fossilen Fische von Comen bei Görz.* LVI. Sitzb. Akad. Wiss. Wien. RUDOLF KNER.
- Hemisaurida** Kner, LVI, 172; orthotype *H. NEOCOMIENSIS* Kner (fossil).
- Hemirhynchus** Kner, LVI, 182; logotype *H. HECKELI* Kner (fossil). A synonym of *BELONOSTOMUS* Ag.
963. KNER (1867). *Nachtrag zu den fossilen Fischen von Raibl.* Sitzb. Akad. Wiss. Wien, LV. RUDOLF KNER.
- Pterygopterus** Kner, LV, 722; orthotype *P. APUS* Kner (fossil). Probably a synonym of *THORACOPTERUS*.
964. KNER (1867). (*Teleosaurus.*) Sitzb. Akad. Wiss. Wien, LVI. RUDOLF KNER.
- Teleosaurus** Kner, LVI, 905; orthotype *T. TENUISTRATUS* Kner (fossil). A synonym of *SAURORHYNCHUS*.
965. KNER (1867). (*Scarostoma.*) Sitzb. Akad. Wiss. Wien. RUDOLF KNER.
- Scarostoma** Kner, LVI, 715; orthotype *S. INSIGNE* Kner. An ally of *OPLEGNATHUS* Rich., perhaps generically distinct.
966. KREFFT (1867). *Descriptions of Some New Australian Fresh-water Fishes.* Proc. Zool. Soc. London. GERARD KREFFT.
- Mionorus** Kreffit, 943; orthotype *M. LUNATUS* Kreffit (scales 30). An ally of *APOGON* (AMIA).
967. LANKESTER (1867). *On Didymaspis, a New Genus of Cephalaspidian Fishes.* Geol. Mag., IV. EDWIN RAY LANKESTER.
- Didymaspis** Lankester, IV, 152; orthotype *D. GRINDRODI* Lank. (fossil).
968. OWEN (1867). (*Dittodus, etc.*) Trans. Odontograph Soc. London, V. RICHARD OWEN.
- Dittodus** Owen, V, 325; logotype *DITTODUS DIVERGENS* Owen (fossil). Probably founded on teeth of *ORTHACANTHUS*.

- Mitrodus** Owen, V, 338; orthotype *M. QUADRICORNIS* Owen (fossil). A synonym of *GYRACANTHUS* Ag.
- Ganacrodus** Owen, V, 340; orthotype *G. HASTULA* Owen (fossil). Probably identical with *ELONICHTHYS*.
- Ageleodus** Owen, V, 340; orthotype *A. DIADEMA* Owen (fossil). Regarded as identical with *CALLOFRISTODUS* Traquair, 1888, and of earlier date.
- Ochlodus** Owen, V, 346; orthotype *O. CRASSUS* Owen (fossil). Probably a synonym of *DICRANODUS* and *ORTHACANTHUS*.
- Ganolodus** Owen, V, 354; logotype *G. CRAGGESI* Owen (fossil). A synonym of *RHIZODOPSIS*.
- Aganodus** Owen, V, 359; logotype *A. APICALIS* Owen (fossil). A synonym of *ORTHACANTHUS* (*DICRANODUS*).
- Pternodus** Owen, V, 363; orthotype *P. PRODUCTUS* Owen (fossil). A synonym of *ORTHACANTHUS* (*DICRANODUS*).
- Sagenodus** Owen, V, 365; orthotype *S. INEQUALIS* Owen (fossil).
- Characodus** Owen, V, 366; logotype *C. CONFERTUS* Owen (fossil). A synonym of *RHIZODOPSIS*, not *CHARACODON* Gthr., 1866, not *CHARACODUS* (Ag.) Davis, 1883.
- Gastrodus** Owen, 370; orthotype *G. PRÆPOSITUS* Owen (fossil). A synonym of *RHIZODOPSIS*.
969. POEY (1867). *Revista de los peces descritos por Poey*. In *Repertorio Físico-Natural de la Isla de Cuba*.
FELIPE POEY Y ALOY.
- Mullhypeneus** Poey, II, 160; orthotype *UPENEUS FLAVOVITTATUS* Poey. A section under *UPENEUS* Cuv.
970. POEY (1867). *Monografía de las Morenas Cubanas*. *Repertorio Físico-Natural de la Isla de Cuba*, II.
FELIPE POEY Y ALOY.
- Macrodonophis** Poey, II, 251; orthotype *M. MORDAX* Poey. A synonym of *CROTALOPSIS* Kaup.
- Uranichthys** Poey, II, 256; logotype *MURÆNA HAVANNENSIS* Bl. & Schn. A synonym of *OPHICHTHUS* Ahl.
- Pythonichthys** Poey, II, 265; orthotype *P. SANGUINEUS* Poey.
971. QUENSTEDT (1867). *Handbuch der Petrefacten*.
FRIEDRICH AUGUST VON QUENSTEDT.
- Cyclospondylus** Quenstedt, Ed. 2, 260; orthotype *THRISOPS MICROPODIUS* Ag. (fossil). A synonym of *EUTHYONOTUS*.
972. SAUVAGE (1867). *Catalogue des poissons des formations secondaires du Boulonnais*.
HENRI ÉMILE SAUVAGE (1844-).
- "*Eulepidotæ*" Sauvage, 20; a plural term applied to typical species of *LEPIDOTES*. Not a generic name.
- Curtodus** Sauvage, II, 53; logotype *C. CORALLINUS* Sauvage (fossil).
- Auluxacanthus** Sauvage, II 63; orthotype *A. DUTERTREI* Sauvage (fossil). A synonym of *ISCHYDONUS* Egert.
973. STEINDACHNER (1867). *Ueber einige neue und seltene Meeresfische aus China*. *Sitzb. Akad. Wiss. Wien*, LV.
FRANZ STEINDACHNER.

Paramonacanthus Steindachner, LV, 591; orthotype **MONACANTHUS KNERI** Steind.
Tæniolabrus Steindachner, LV, 713; orthotype **T. FILAMENTOSUS** Steind. A synonym of **TRICHONOTUS**.

974. STEINDACHNER (1867). *Ueber einige Fische aus dem Fitzroy-Flusse bei Rockhampton in Ost-Australien*. Sitzb. Akad. Wiss. Wien, LV.

FRANZ STEINDACHNER.

Lepidoblennius Steindachner, LV, 11; orthotype **L. HAPLODACTYLUS** Steind.
Neosilurus Steindachner, LV, 14; orthotype **N. HYRTLII** Steind.

975. STEINDACHNER (1867). *Ichthyologische Notizen: Ueber eine neue Gattung und Art der Gruppe, Trypauchenina*. Sitzb. Akad. Wiss. Wien, LV, 1867.

FRANZ STEINDACHNER.

Ctenotrypauchen, Steindachner, LV, 530; orthotype **C. CHINENSIS** Steind. A synonym of **TRYPAUCHENICHTHYS** Blkr.

1868

976. BLEEKER (1868). *Troisième notice sur la faune ichthyologique de l'île d'Obi*. Versl. Akad. Amsterdam (2), II, 1868, 275.

PIETER BLEEKER.

Valencienea Bleeker, 288; haplotype **ELEOTRIS HASSELTII** Blkr. (**ELEOTRIS STRIGATA** Cuv. & Val. named in a later paper.) This is the earlier and therefore the proper form of this name, later written **VALENCIENNESIA**).

977. BLEEKER (1868). *Cinquième notice sur le faune ichthyologique de Solor*. Versl. Akad. Amsterdam, II.

Valenciennesia Bleeker, 275; orthotype **ELEOTRIS STRIGATA** Cuv. & Val. Earlier written **VALENCIENNEA** by Bleeker. (See No. 1115, p. 371.)

978. BLEEKER (1868). *Notice sur la faune ichthyologique de l'île de Waigiou*. Versl. Akad. Amsterdam, II.

PIETER BLEEKER.

Tetragonoptrus (Klein) Bleeker, 300; orthotype (after Klein) **CHÆTODON CAPISTRATUS** L. A synonym of **CHÆTODON**.

979. BLEEKER (1868). *Description de trois espèces inédites de Chromidoïdes de Madagascar*. Versl. Akad. Amsterdam (2), II, 1868, 307-314.

PIETER BLEEKER.

Paratilapia Bleeker, 308; orthotype **P. POLLENI** Blkr.

Paretroplus Bleeker, 313; orthotype **P. DAMII** Blkr.

980. BLEEKER (1868). *Description de trois espèces inédites des poissons des îles d'Amboine et de Waigiou*. Versl. Akad. Amsterdam, II.

PIETER BLEEKER.

Heteroconger Bleeker, II, 332; orthotype **H. POLYZONA** Blkr., 400.

981. BURMEISTER (1868). *Petromyzon macrostomus, description de una nueva especie de pez*. Anales Mus. Pub. Buenos Ayres, I.

HERMANN CARL CONRAD BURMEISTER (1807-1892).

Exomegas Burmeister, I, 36; orthotype **PETROMYZON MACROSTOMUS** Burmeister.

982. CAPELLO (1868). *Descrição de dos peixes novos provenientes dos mares de Portugal*, etc. Journ. Sci. Math., etc., Lisboa.

FELIX DE BRITO CAPELLO.

Pseudotriakis Capello, 316; orthotype *P. MICRODON* Capello. Also written PSEUDOTRIACIS.

983. CAPELLO (1868). *Descrição de dos peixes novos provenientes dos mares Lias of Lyme Regis*. Quart. Journ. Geol. Soc., XXIV.

FELIX DE BRITO CAPELLO.

Osteorachis Egerton, XXIV, 500; orthotype *O. MACROCEPHALUS* Egert. (fossil). **Isocolum** Egerton, XXIV, 501; orthotype *I. GRANULATUM* Egert. (fossil). A synonym of *OSTEORACHIS*.

Eulepidotus Egerton, XXIV, 505; orthotype *DAPEDIUS FIMBRIATUS* Ag. (fossil). Unnecessarily "withdrawn" by Egerton and replaced by *HETEROLEPIDOTUS*, 1872, on account of the name "EULEPIDOTÆ" applied to typical species of *LEPIDOTES* by Sauvage, 1867.

984. DAY (1868). *On Some New Fishes from Madras*. Proc. Zool. Soc. London. FRANCIS DAY.

Priacanthichthys Day, 193; orthotype *P. MADERASPATENSIS* Day = *EPINEPHELUS LATIFACIATUS* T. & S. A synonym of *EPINEPHELUS*.

984A. GEINITZ (1868). *Die fossilen Fischschuppen aus der Planerkalke in Sirehlen*. Jahresber. Ges. Natur.- u. Heilkunde Dresden.

HANS BRUNO GEINITZ.

(Reviewed by T. D. A. Cockerell, *American Naturalist*, January, 1917.)

In addition to his own generic names, Geinitz quotes from Dr. Steinla's unpublished *Katalog*, in lit. the definitions, a number of generic names proposed for scales of Cretaceous fishes. For most of these no type is assigned, and most of them appear from Geinitz' account to fall into the rank of synonyms.

Perigrammatolepis (Steinla) Geinitz, 39; orthotype *SALMO LEWESIENSIS* Mantell. "Es ist dies normale Form für *OSMEROIDES LEWESIENSIS*, welche den Abbildungen bei Agassiz am nächsten entspricht." From this I infer that *LEWESIENSIS* should be considered as type, but Geinitz seems to place *PERIGRAMMATOLEPIS* in the synonymy of his *CYCLOLEPIS* (= *AULOLEPIS*).

Credemnolepis (Steinla) Geinitz, 39; orthotype not stated; name only. Apparently defined on page 48 as *CODONOLEPIS*. Said to be a synonym of *CYCLOLEPIS* Geinitz (*AULOLEPIS*).

Kymatolepis (Steinla) Geinitz, 39; orthotype named *K. GEINITZI* by Cockerell (1919).

Cyclolepis Geinitz, 39; orthotype *C. AGASSIZI* Geinitz (fossil). (Scales, like those of *SALMO*.)

Aspidolepis Geinitz, 40; orthotype *A. STEINLAI* Geinitz (fossil). (Scales, similar to those of *PORONOTUS*.)

Dypterolepis (Steinla) Geinitz, 40; orthotype not named. Said to contain part of the species of *LEPTOLEPIS* Ag. Apparently a synonym of *HOLCOLEPIS*.

Kymatopetalolepis (Steinla) Geinitz, 40; orthotype not named. Apparently *SALMO LEWESIENSIS* Mantell. If so, a synonym of *HOLCOLEPIS*.

Micropetalolepis (Steinla) Geinitz, 40; orthotype not named. Apparently founded on a scale of *SALMO LEWESIENSIS* Mantell. If so, a synonym of *HOLCOLEPIS*.

Leptogrammatolepis (Steinla) Geinitz, 40; orthotype not named. Apparently a scale of *SALMO LEWESIENSIS*. If so, a synonym of *HOLCOLEPIS*.

- Petalolepis** (Steinla) Geinitz, 42; orthotype *OSMEROIDES DIVARICATUS* Geinitz. Apparently a synonym of *HOLCOLEPIS*.
- Mixogrammatolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of *CLADOCYCLUS STREHLENSIS* Geinitz (*BERYX ORNATUS* Geinitz), regarded as a synonym of *CLADOCYCLUS*. But this must be an error, as the South American genus *CLADOCYCLUS* is quite distinct from these forms found in the British Chalk.
- Heliolepis** (Steinla) Geinitz, 43; orthotype Cretaceous scale of "*CLADOCYCLUS*."
- Oolepis** (Steinla) Geinitz 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Coinolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Polypterolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Ptycholepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Pterogrammatolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Agrammatolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale (misspelled *ACRAMMATOLEPIS*). Apparently a synonym of *HEMICYCLUS* Geinitz.
- Crommiolepis** (Steinla) Geinitz, 43; orthotype Cretaceous scales referred to *CLADOCYCLUS STREHLENSIS* Geinitz. "Eine Anzahl kleiner Schuppen von denen ein Theil jedenfalls an *CL. STREHLENSIS* gehört. On the rest of these scales Geinitz founds his new genus *HEMICYCLUS*. The type of *CLADOCYCLUS* (*C. GARDNERI* Ag.) is a South American *OSTEOGLOSSID*, and none of these fishes of the German Chalk seems related to it.
- Hemicyclus** Geinitz, 44; orthotype *CLADOCYCLUS STREHLENSIS* Geinitz, in part (fossil scales).
- Prionolepis** (Steinla) Geinitz, 45; orthotype *ZEUS LEWESIENSIS* Mantell = *BERYX ORNATUS* Ag. Cretaceous scales. Apparently a synonym of *HOPLOPTERYX* Ag.
- Goniolepis** (Steinla) Geinitz, 45; orthotype Cretaceous scales. (*HOPLOPTERYX*?)
- Hemigonolepis** (Steinla) Geinitz, 45; orthotype Cretaceous scales. (*HOPLOPTERYX*?)
- Hemicyclolepis** (Steinla) Geinitz, 45; orthotype Cretaceous scales. (*HOPLOPTERYX*?)
- Lophoprionolepis** (Steinla) Geinitz, 47; orthotype *AMIA LEWESIENSIS* Mantell = *MACROPOMA MANTELLI* Ag., orthotype Cretaceous scales. A synonym of *MACROPOMA* Ag.
- Acrogrammatolepis** Geinitz, 47; orthotype *A. STEINLAI* Geinitz (fossil).
- Hemilampronites** Geinitz, 48; orthotype *H. STEINLAI* Geinitz (fossil). (Scales, similar to those of *HYPORHAMPHUS*.)

The following additional names for Cretaceous scales are also quoted, but I have at present no further data for them:

- Psygmatolepis** (Steinla) Geinitz, 40; orthotype Cretaceous scales. Misspelled on plate.
- Leptogrammatolepis** (Steinla) Geinitz, 40; orthotype Cretaceous scales.
- Microgrammatolepis** (Steinla) Geinitz, 40; orthotype Cretaceous scales.
- Codonolepis** (Steinla), 48; orthotype not named. Spelled *CREDEMNOLEPIS* on page 40. A synonym of *CYCLOLEPIS*.

985. GÜNTHER (1868). *Catalogue of the Fishes in the British Museum*. VII. ALBERT GÜNTHER.

- Osteochilus** Günther, VII, 40; logotype ROHITA MELANOPEURA Blkr.
Barynotus Günther, VII, 61; logotype B. LAGENSIS Gthr.
Gymnocypris Günther, VII, 169; orthotype G. DOBULA Gthr.
Megarasbora Günther, VII, 198; orthotype CYPRINUS ELANGA Ham.
Aphyocypris Günther, VII, 201; orthotype A. CHINENSIS Gthr.
Xenocypris Günther, VII, 205; orthotype X. ARGENTEA Gthr.
Mystacoleucus Günther, VII, 206; orthotype SYSTOMUS PADANGENSIS Blkr.
Pteropsarion Günther, VII, 284; orthotype BARILIUS BAKERI Day.
Opsaridium (Peters) Günther, VII, 286; orthotype O. ZAMBEZENSE Peters (MS.).
 A synonym of BARILIUS Ham.
Bola Günther, 293; tautotype CYPRINUS BOLA Ham. = BOLA GOHA Gthr. Name preoccupied by BOLA Ham.; replaced by RAJAMAS Jordan, 1919. "RAJAH MAS" is the angler's name for the type-species in India.
Shacra Günther, VII, 294; orthotype CYPRINUS SHACRA Ham. Same as SHACRA Blkr.
Squaliobarbus Günther, VII, 297; orthotype LEUCISCUS CURRICULUS Rich.
Ochetobius Günther, VII, 297; orthotype OPSARIUS ELONGATUS Kner.
Eustira Günther, VII, 331; orthotype E. CEYLONENSIS Gthr.
Securicula Günther, VI, 332; logotype CYPRINUS GORA Ham. A synonym of SALMOSTOMA Sw.
Cachius Günther, VII, 338; orthotype CYPRINUS CACHIUS Ham. A synonym of CHELA Ham. as restricted by Bleeker, 1863.
Oreonectes Günther, VII, 369; orthotype O. PLATYCEPHALUS Gthr.
Cetengraulis Günther, VII, 383; logotype ENGRAULIS EDENTULUS Cuv.
Pterengraulis Günther, VII, 384; orthotype CLUPEA ATHERINOIDES L.
Heterothrissa Günther, VII, 385; orthotype ENGRAULIS BREVICEPS Cantor.
Lycengraulis Günther, VII, 385; logotype ENGRAULIS GROSSIDENS Cuv.
Lycotrissa Günther, VII, 385; orthotype ENGRAULIS CROCODILUS Blkr.
Telara Günther, VII, 385; tautotype CLUPEA TELARA Ham. A synonym of SETI PINNA Sw.
Pellonula Günther, VII, 452; orthotype P. VORAX Gthr.
Chiromentron Günther, VII, 463; orthotype C. TENIATUS Gthr.
Xenomystus Günther, VII, 481; orthotype NOTOPTERUS NIGRI Gthr.
Graodus Günther, VII, 485; orthotype G. NIGROTAENIATUS Gthr. A synonym of ALBURNOPS Grd. (the teeth lost).
986. GÜNTHER (1868). *Report on a Collection of Fishes Made at St. Helena by J. C. Melliss, Esq.* Proc. Zool. Soc. London.
 ALBERT GÜNTHER.
- Holanthias** Günther, 226; ANTHIAS FRONTICINCTUS Gthr.
987. GÜNTHER (1868). *Descriptions of Fresh-water Fishes from Surinam and Brazil.* Proc. Zool. Soc. London.
 ALBERT GÜNTHER.
- Hypoptopoma** Günther, 234; orthotype H. THORACATUM Gthr.
Aphyocharax Günther, 245; orthotype A. PUSILLUS Gthr.
988. GÜNTHER (1868). *Additions to the Ichthyological Fauna of Zanzibar.* Ann. Mag. Nat. Hist.
 ALBERT GÜNTHER.
- Tholichthys** Günther I. 457; orthotype T. OSSEUS Gthr. Larva of CHÆTODON.

989. GUICHENOT (1868). *Index generum et specierum anthiadidorum, etc.*
Ann. Soc. Maine-et-Loire.
ALPHONSE GUICHENOT.
Paranthias Guichenot, X, 87; orthotype **SERRANUS CREOLUS** Cuv. & Val. = **S. FURCIFER** Cuv. & Val. Replaces **BRACHYRHINUS** Gill.
990. HANCOCK & ATTHEY (1868). *Notes on the Remains of Some Reptiles and Fishes from the Shales of the Northumberland Coal-fields.* Trans. Nat. Hist. Soc. Northumberland.
ALBANY HANCOCK (1806-1873); T. ATTHEY.
Acanthodopsis Hancock & Atthey, I, 364; orthotype **A. WARDI** Hancock & Atthey (fossil).
991. KNER (1868). *Ueber einige Fische aus dem Museum . . . Godeffroy in Hamburg.* Sitzb. Akad. Wiss. Wien.
RUDOLPH KNER.
Anomalops Kner, LVIII, 26; orthotype **A. GRÆFFEI** Kner.
Sparopsis Kner, LVIII, 27; orthotype **S. LATIFRONS** Kner. A synonym of **APRION** Cuv.
Micropus Kner, 23; orthotype **MICROPTERYX POLYCENTRUS** Kner. Name four times preoccupied; replaced by **ORQUETA** Jordan.
Bunocottus Kner, LVIII, 28; orthotype **B. APUS** Kner.
Orthostomus Kner, LVIII, 29; orthotype **O. AMELYOPINUS** Kner.
Opisthocentrus Kner, 49; orthotype **O. QUINQUEMACULATUS** Kner = **OPHIDIUM OCELLATUM** Tiles.
Urocentrus Kner, LVIII, 51; orthotype **U. PICTUS** Kner. A synonym of **PHOLIS** Scopoli.
992. KNER (1868). *Ueber Conchopoma gadiforme . . . aus dem Rothliegenden (der Untern Dyas) von Lebach bei Saarbrücken in Rheinpreussen.* Sitzb. Akad. Wiss. Wien.
RUDOLPH KNER.
Conchopoma Kner, LVII, 279; orthotype **C. GADIFORME** Kner (fossil).
993. LEIDY (1868). *Remarks on Conosaurus of Gibbes.* Proc. Acad. Nat. Sci. Phila.
JOSEPH LEIDY.
Conosaurops Leidy, 202; orthotype **CONOSAURUS BOWMANI** Gibbes (fossil). Substitute for **CONOSAURUS** Gibbes; regarded as preoccupied by **CONIOSAURUS**, a reptile.
Diplotomodon Leidy, 202; orthotype **TOMODON HORRIFICUS** Leidy. A substitute for **TOMODON** Leidy, preoccupied.
- 993A. VON DER MARCK (1868). (*Holcolepis.*) Palæontographica.
W. VON DER MARCK.
Holcolepis von der Marck, 278; orthotype **RHABDOLEPIS CRETACEUS** von der Marck. Name a substitute for **RHABDOLEPIS** Marck, 1863, preoccupied.
994. MARTENS (1868). *Ueber einige ostasiatische Süßwasserthiere.* Arch. Nat. XXIV.
EDUARD VON MARTENS.
Octonema Martens, about 60; orthotype **HOMALOPTERA ROTUNDICAUDA** Martens. Name preoccupied, replaced by **LEFUA** Herzenstein.
995. PETERS (1868). *Naturwissenschaftliche Reise nach Mossambique.* Zoologie.
WILHELM PETERS.

- Nothobranchius** Peters, 60; orthotype *CYPRINODON ORTHONOTUS* Peters.
Belonichthys Peters, 108; orthotype *B. ZAMBEZENSIS* Peters.
996. PETERS (1868). *Ueber eine neue Gattung der Flederthiere (Peronymus) und ueber neue Gattungen und Arten der Fische.* Mon. Akad. Wiss. Berlin.
 WILHELM PETERS.
- Lycocyprinus** Peters, 145; orthotype *PÆCILIA SENFASCIATA* Peters = *HAPLOCHILUS INFRAFASCIATUS* Gthr.
997. PETERS (1868). *Ueber die von Herrn Dr. F. Jagor in dem ostindischen gesammelten Fische.* Mon. Akad. Wiss. Berlin.
 WILHELM PETERS.
- Enchelyurus** Peters, 268; orthotype *E. FLAVIPES* Peters.
998. PETERS (1868). *Ueber eine von dem Baron Carl von der Decken entdeckte neue Gattungen von Welsen . . . aus Ostafrika.* Mon. Akad. Wiss. Berlin.
 WILHELM PETERS.
- Chiloglanis** Peters, 599; orthotype *C. DECKENI* Peters.
999. POEY (1868). *Synopsis piscium cubensium, etc.* In Repertorio Fisico-Natural de la Isla de Cuba, II.
 FELIPE POEY Y ALOY.
- Promicrops** Poey, 287; orthotype *SERRANUS GUAZA* Poey.
- Gramma** Poey, 296; orthotype *G. LORETO* Poey. Not *GRAMMIA* Rambeau, 1866, a genus of Lepidoptera.
- Tropidinius** (Gill) Poey, 296; orthotype *MESOPRION ARNILLO* Poey = *AP SILUS DENTATUS* Guich.
- Brachygenys** (Scudder) Poey, 310; orthotype *HLEMULON TENIATUM* Poey.
1000. SCHIÖDTE (1868). *Om stillingsudvikling hos flynder fiskene.* Nat. Tid., V. JØRGEN MATTHIAS CHRISTIAN SCHIÖDTE (1815-1884).
- Bascanius** Schiödt, V, 269; orthotype *B. TÆDIFER* Schiödt. A larval flounder, probably young of *PLATOPHYRUS* or *SYMPHURUS*; name preoccupied as *BASCANION*.

 1869.

1001. BLEEKER (1869). *Description de deux espèces inédites d'Alticus, de Madagascar.* Versl. Akad. Amsterdam.
 PIETER BLEEKER.
- Alticus** (Commerson) Bleeker, 234; orthotype *A. SALTATORIUS* Commerson. Same as *RUPISCARTES* Sw., and of earlier date if Commerson's non-binomial names are accepted.
1002. BLEEKER (1869). *Neuvième notice sur la faune ichthyologique du Japon.* Versl. Akad. Amsterdam (2), III, 1869, 237-259.
 PIETER BLEEKER.
- Pseudopriacanthus** Bleeker, 241; orthotype *PRIACANTHUS NIPHONIUS* Cuv. & Val.
Sarcocheilichthys Bleeker, 252; orthotype *LEUCISCUS VARIEGATUS* T. & S.
1003. BOCOURT (1869). *Descriptions de quelques reptiles et poissons nouveaux appartenant à la faune tropicale de l'Amérique.* Nouv. Arch. Mus. Hist. Nat. Paris.
 FIRMIN N. BOCOURT (1819-).

- Paralonchurus** Bocourt, V, 21; orthotype *P. PETERSI* Bocourt.
- Polycirrhus** Bocourt, V, 22; orthotype *P. DUMERILI* Bocourt. Name preoccupied in worms; replaced by *POLYCLEMUS* Berg, 1895.
1004. BRANDT (1869). *Einige Worte ueber die europäisch-asiatisch Störarten*. Mélanges Biologiques, VII. Bull. Acad. Sci. St. Petersburg.
JOHANN FRIEDRICH BRANDT.
- Schipa** Brandt, VII, 113; orthotype *ACIPENSER SCHYPA* Eichw. = *A. NUDIVENTRIS* Lovetzky. A synonym of *ANTACEUS* Heckel & Fitzinger.
- Sterledus** Brandt, VII, 113; orthotype *ACIPENSER RUTHENUS* L. Apparently a variant spelling of *STERLETUS* Heckel & Fitzinger, not a new name and not *STERLETUS* Raf. 1820.
1005. COPE (1869). *Description of Some Extinct Fishes Previously Unknown*. Proc. Boston Soc. Nat. Hist.
EDWARD DRINKER COPE.
- Phacodus** Cope, XII, 311; orthotype *P. IRREGULARIS* Cope (fossil). Name preoccupied; replaced by *CROMMYODUS* Cope, 1870.
- Leptomylus** Cope, XII, 313; orthotype *L. DENSUS* (fossil).
- Plinthicus** Cope, XII, 316; orthotype *P. STENODON* Cope (fossil). An ally of *AËTOBATUS*.
1006. DAY (1869). *Remarks on Some Fishes in the Calcutta Museum*. II. Proc. Zool. Soc. London.
FRANCIS DAY.
- Mayoa** Day, 553; orthotype *M. MODESTA* Day.
1007. DYBOWSKI (1869). *Vorläufige Mittheilungen über die Fischfauna des Onon-Flusses und die Ingoda in Transbaikalien*. Verh. Zool. Bot. Ges. Wien, XIX, 945-948.
BENEDIKT IVAN DYBOWSKI.
- Gobiobarbus** Dybowski, XIX, 951; orthotype *CYPRINUS LABEO* Pallas. A synonym of *HEMIBARBUS* Blkr.
- Micraspius** Dybowski, XIX, 953; orthotype *M. MIANOWSKI* Dybowski.
- Pseudaspius** Dybowski, XIX, 953; orthotype *CYPRINUS LEPTOCEPHALUS* Pallas.
- Ladislavia** Dybowski, XIX, 954; orthotype *L. TACZANOWSKII* Dybowski.
1008. GERVAIS (1869). *Paléontologie Générale*.
FRANÇOIS LOUIS PAUL GERVAIS (1816-1879).
- Dipristis** Gervais, 240; orthotype *D. CHIMEROIDES* Gervais (fossil). Not *DIPRISTIS* Marsh of the same date, also a *CHIMEROID* fragment.
1009. GÜNTHER (1869). *Account of the Fishes of the States of Central America, Based on Collections Made by Capt. J. M. Dow, F. Godman and V. Salvin*. Trans. Zool Soc. London.
ALBERT GÜNTHER.
- Megalobrycon** Günther, 423; orthotype *M. CEPHALUS* Gthr. A synonym of *BRYCON* M. & T.
1010. GUICHENOT (1869). *Notice sur quelques poissons inédits de Madagascar et de Chine*. Nouv. Arch. Mus. Paris., V.
ALPHONSE GUICHENOT.

Paragonus Guichenot, 202; orthotype *P. STURIOIDES* Guich. **PARAGONUS** Gill, 1861, and **PARAGONUS** Guich., 1869, seem both to be synonyms of **PODOTHECUS** Gill.

1011. MACDONALD (1869). *On . . . a New Genus of Mugilidæ Inhabiting the Fresh Waters of Viti Levu of the Feejee Group*, etc. Proc. Zool. Soc. London.

JOHN DENIS MACDONALD.

Gonostomyxus Macdonald, 38; orthotype *G. LOALOA* Macdonald.

1011A. MASON (1869). (*Acrodontosaurus*.) Quart. Journ. Geol., XXV.

J. W. MASON.

Acrodontosaurus Mason, XXV, 444; orthotype *A. GARDNERI* Mason (fossil). A synonym of **PACHYRHIZODUS**.

1012. OWEN (1869). *Notes on Two Ichthyodorulites Hitherto Undescribed*.

RICHARD OWEN.

Lepracanthus Owen, VI, 481; orthotype *L. COLEI* (Egert.) Owen (fossil).

1013. STEINDACHNER (1869). *Ichthyologische Notizen*. VIII. Sitzb. Akad. Wiss. Wien, LX.

FRANZ STEINDACHNER.

Hæmulopsis Steindachner, 60; logotype *H.ÆMULON CORVINÆFORME* Steind. A synonym of **BRACHYDEUTERUS** Gill.

1014. STEINDACHNER (1869). *Ichthyologische Notizen*. IX. *Ueber eine neue Gattung und Art der Cyprinoiden de China*. Sitzb. Akad. Wiss. Wien, LX.

FRANZ STEINDACHNER.

Abramocephalus Steindachner, LX, 302; orthotype *A. MICROLEPIS* Steind. A synonym of **HYPOPHTHALMICHTHYS** Blkr.

1870

1015. BLEEKER (1870). *Atlas des Indes Orientales Néerlandaises . . .* VII. *Pleuronectes*, etc.

PIETER BLEEKER.

Rhinoplagusia Bleeker, 27; orthotype *PLAGUSIA JAPONICA* T. & S. Replaces *USINOSITA* Jordan & Snyder, 1901.

1016. BLEEKER (1870). *Mededeeling omtrent eenige nieuwe vischsoorten van China*. Versl. Akad. Amsterdam (2), IV, 1870, 251-253.

PIETER BLEEKER.

Acanthorhodeus Bleeker, IV, 253; orthotype *A. MACROPTERUS* Blkr.

Pseudobrama Bleeker, IV, 253; logotype *P. DABRYI* Blkr.

Saurogobio Bleeker, IV, 253; orthotype *S. DUMERILI* Blkr.

Rhinogobio Bleeker, IV, 253; orthotype *R. TYPUS* Blkr.

Luciobrama Bleeker, IV, 253; orthotype *L. TYPUS* Blkr.

Leptobotia Bleeker, IV, 256; orthotype *L. ELONGATA* Blkr.

1017. COPE (1870). *Partial Synopsis of the Fresh-water Fishes of North Carolina*. Proc. Amer. Philos. Soc., 1870, XI, 448-495.

EDWARD DRINKER COPE.

Hypohomus Cope, XI, 449; orthotype *H. AURANTIACUS* Cope.

- Labidesthes** Cope, XI, 455; orthotype *CHIROSTOMA SICCULUM* Cope.
- Hemitremia** Cope, XI, 462; orthotype *H. VITTATA* Cope, later called *LEUCISCUS FLAMMEUS* Jordan, the name *VITTATUS* being preoccupied in *LEUCISCUS*, to which genus the species was referred.
- Placopharynx** Cope, XI, 467; orthotype *P. CARINATUS* Cope.
1018. COPE (1870). *Observations on the Fishes of the Tertiary Shales of Green River, Wyoming Territory.* Proc. Amer. Philos. Soc., XI.
EDWARD DRINKER COPE.
- Asineops** Cope, XI, 381; orthotype *A. SQUAMIFRONS* Cope (fossil).
- Erismatopterus** Cope, XI, 427; orthotype *E. RICKSECKERI* Cope (fossil).
1019. COPE (1870). *Contribution to the Ichthyology of the Marañon.* Proc. Amer. Philos. Soc. 1870, 559-701.
EDWARD DRINKER COPE.
- Stethaprion** Cope, 562; orthotype *S. ERYTHROPS* Cope.
- Plethodectes** Cope, 563; orthotype *P. ERYTHRURUS* Cope. A synonym of *CHALCEUS* Cuv.
- Holotaxis** Cope, 563; logotype *H. MELANOSTOMUS* Cope.
- Odontostilbe** Cope, 566; orthotype *O. FUGITIVA* Cope.
1020. COPE (1870). *On the Fishes of a Fresh-water Tertiary Lake in Idaho, Discovered by Capt. Clarence King.* Proc. Amer. Philos. Soc. XI.
EDWARD DRINKER COPE.
- Lithichthys** Cope, XI, 316; orthotype *L. PUSILLUS* Cope (fossil).
- Diastichus** Cope, XI, 539; orthotype *D. MACRODON* Cope (fossil).
- Oligobelus** Cope, XI, 541; orthotype *O. ARCIFERUS* Cope (fossil). Said to be near *SEMOTILUS* Raf.
- Anchybopsis** Cope, XI, 543; orthotype *A. LATUS* Cope (fossil). Referred later to synonymy of "*LEUCOS* Heckel" (*SIPHATELES* Cope).
- Rhabdofario** Cope, XI, 546; orthotype *R. LACUSTRIS* Cope (fossil). A very large trout from the ancient Lake Idaho.
1021. COPE (1870). *Second Addition to the History of the Fishes of the Cretaceous of the United States.* Proc. Amer. Philos. Soc., XI, 240-244.
EDWARD DRINKER COPE.
- Sphagepœa** Cope, XI, 241; orthotype *S. ACICULATA* Cope (fossil). An ally of *EDAPHODON* Leidy.
- Pneumatosteus** Cope, XI, 242; orthotype *P. NAHUNTIUS* Cope (fossil). An ally of *LEPISOSTEUS* Lac.
- Crommyodus** Cope, XI, 243; orthotype *PHACODUS IRREGULARIS* Cope (fossil). A substitute for *PHACODUS* Cope, preoccupied.
1022. COPE (1870). *On the Saurodontidæ.* Proc. Amer. Philos. Soc., 1871, XI, 529-538.
EDWARD DRINKER COPE.
- Ichthyodectes** Cope, 536; orthotype *I. CTENODON* Cope (fossil).
1023. DAY (1870). *On the Fishes of the Andaman Islands.* Proc. Zool. Soc. London.
FRANCIS DAY.
- Jerdonia** Day, 700; orthotype *PLATACANTHUS MACULATUS* Day.

1024. DUMÉRIL (1870). *Histoire générale des poissons*. Vol. II.

AUGUSTE DUMÉRIL.

Parapegasmus (Bleeker) Duméril, 493; orthotype PEGASUS NATANS L.

Typhlus (Bibron MS.) Duméril, 540; logotype ICHTHYOCAMPUS PONDICERIANUS Kaup (in synonymy). A synonym of ICHTHYOCAMPUS Kaup.

Atelurus Duméril, 584; orthotype A. GERMANI Dum.

Entelurus Duméril, 605; orthotype SYNGNATHUS ÆQUOREUS L. A synonym of NEROPHIS Raf.

Hymenolomus Duméril, 607; orthotype SYNGNATHUS HYMENOLOMUS Rich. = H. RICHARDSONI Dum. A synonym of PROTOCAMPUS Gthr., 1870.

1025. GASCO (1870). *Intorno ad un nuovo genere di pesci*, etc. Bull. Assoc. Nat. e Med. Napol., April, 1870, 59-61.

FRANCESCO GASCO.

Vexillifer Gasco, 59; orthotype V. DEPHILIPPII Gasco. An immature and very singular form of some fish, perhaps of CARAPUS ACUS.

1026. GIEBEL (1870). *Trachypoma marmoratum, ein neuer Wels aus dem Amazonenstrom*. Zeitschr. Ges. Naturw., XXXVII.

CHRISTOPH GOTTFRIED ANDREAS GIEBEL.

Trachypoma Giebel, 97; orthotype TRACHYPOMA MARMORATUM Giebel = EREMOPHILUS MUTISI. A synonym of EREMOPHILUS Humboldt, the name pre-occupied.

1027. GÜNTHER (1870). *Catalogue of the Fishes in the British Museum*. VIII.

ALBERT GÜNTHER.

Rhamphosternarchus Günther, VIII, 4; logotype STERNARCHUS OXYRHYNCHUS M. & T. A synonym of STERNARCHORHYNCHUS Castelnau.

Brachyrhamphichthys Günther, VIII, 6; logotype RHAMPHICHTHYS ARTEII Kaup. A synonym of HYPOPOMUS Gill.

Paramyrus Günther, VIII, 51; logotype ECHELUS MICROCHIR Blkr.

Myroconger Günther, VIII, 93; orthotype M. COMPRESSUS Gthr.

Helminthostoma (Cocco) Günther, VIII, 145; orthotype HELMINTHSTOMA DELLA-CHIAJE Cocco. Larva of CARAPUS (FIERASFER): passing reference to an unpublished name.

Nannocampus Günther, VIII, 178; orthotype N. SUBOSSEUS Gthr.

Urocampus Günther, VIII, 179; orthotype U. NANUS Gthr.

Protocampus Günther, VIII, 193; orthotype SYNGNATHUS HYMENOLOMUS Rich. Same as HYMENOLOMUS Dum. of the same year. Günther's work is dated "May 20, 1870." Duméril's merely "1870". Neither writer quotes the other; the name of Günther has probably precedence.

Hemiconiatus Günther, VIII, 272; orthotype TETRAODON GUTTIFER Bennett. Same as EPHIPPION Bibron, 1855, which it replaces if the latter is regarded as pre-occupied by EPHIPPIMUM.

Liosaccus Günther, VIII, 287; logotype T. CUTANEUS Gthr.

Trichocyclus Günther, VIII, 316; orthotype T. ERINACEUS Gthr. Probably a larval DIODON; equivalent to TRICHODIODON Blkr.

Leptocarcharias (Smith MS.) Günther, VIII, 384; orthotype TRILENODON SMITHI M. & H. A variant of LEPTOCARIAS Smith.

Psammobatis Günther, VIII, 470; orthotype P. RUDIS Gthr.

1028. HANCOCK & ATTHEY (1870). *Notes on an Undescribed Fossil from the Newsham Coalfields near Newcastle-upon-Tyne*. Ann. Mag. Nat. Hist., V.
ALBANY HANCOCK; T. ATTHEY.
Archichthys Hancock & Atthey, V, 268; orthotype A. SULCIDENS Hancock & Atthey. Apparently a synonym of STREPSODUS.
1029. KLUNZINGER (1870). *Synopsis der Fische des Rothen Meeres*. I. *Percoiden-Mugiloiden*. Verh. K.-K. Zool.-Bot. Ges. Wien, 1870.
CARL BENJAMIN KLUNZINGER (1834-).
Dirrhizodon Klunzinger, XX, 664 (Nov. 2); orthotype D. ELONGATUS Klunzinger. A living homologue of HEMIPRISTIS Ag.
Pseudoserranus Klunzinger, XX, 687; logotype PERCA LOUTI Forskål, as restricted by Bleeker (based on PERCA LOUTI, CABRILLA, and SCRIBA). Regarded by me, following Bleeker, as a synonym of VARIOLA Sw. Klunzinger protests against this arrangement in a later paper, PSEUDOSERRANUS (type CABRILLA) being intended as a substitute for SERRANUS, which name of Cuvier he uses for EPINEPHELUS.
Paracentropistes Klunzinger, XX, 687; orthotype LABRUS HEPATUS L.
Pristiapogon Klunzinger, XX, 715; orthotype P. FRENATUS Klunzinger. A synonym of APOGON Lac.
Polysteganus Klunzinger, 762; orthotype P. CÆRULEOPUNCTATUS Klunzinger.
Gymnocranius Klunzinger, XX, 764; orthotype DENTEX RIVULATUS Rüppell. Replaces PARADENTEX Blkr.
1030. DE KONINCK (1870). *Notice sur un nouveau genre de poisson fossile de la craie supérieure*. Bull. Acad. Soc. Roy. Bruxelles, XXIX.
LAURENT GUILLAUME DE KONINCK (1809-1887).
Ankistrodus De Koninck, XXIX, 77; orthotype A. SPLENDENS De Koninck. A substitute for ANCISTRODON Römer, regarded as preoccupied. Both these names, being regarded as preoccupied by AGKISTRODON or ANCISTRODON Beauvais, a genus of snakes, are replaced by GRYPODON Hay, 1899.
1031. LANKESTER (1870). *Fishes of the Old Red Sandstone*. Paleont. Soc., I.
EDWIN RAY LANKESTER.
Eucephalaspis Lankester, I, 43; orthotype CEPHALASPIS LYELLI Ag. (fossil). A synonym of CEPHALASPIS.
Hemicyclaspis, Lankester, I, 43; orthotype CEPHALASPIS MURCHISONI Egert. (fossil).
Eukeraspis Lankester, I, 56; orthotype SCLERODUS PUSTULIFERUS Ag. (fossil). A synonym of SCLERODUS, that name and also PLECTRODUS being rejected for the inadequate reason that the structures which gave the name were wrongly supposed to be teeth.
Kallostrakon Lankester, I, 61; orthotype K. PODURA Lank. (fossil). Fragments of a PTERASPID.
1032. LEIDY (1870). *Remarks on Ichthyodorulites and on Certain Fossil Mammalia*. Proc. Acad. Nat. Sci. Phila., X, 12-13.
JOSEPH LEIDY.
Xiphactinus Leidy, 12; orthotype X. AUDAX Leidy. Perhaps the same as PORTHEUS Cope.
1033. LEIDY (1870). *Remarks on Fossil Vertebrates*. Proc. Acad. Nat. Sci. Phila.
JOSEPH LEIDY.

- Mylocyprinus** Leidy, 70; orthotype *M. ROBUSTUS* Leidy.
1034. MARSH (1870). *Notice of Some New Tertiary and Cretaceous Fishes.*
Amer. Assoc. Adv. Sci. for 1869 (1870).
OTHNIEL CHARLES MARSH (1831-1899).
- Embalorhynchus** Marsh, 228; orthotype *E. KINNEYI* Marsh (fossil). A fossil analogue of *ISTIOPHORUS*.
- Dipristis** Marsh, 230; orthotype *D. MIERSI* Marsh (fossil). Apparently a synonym of *EDAPHODON*.
1035. NEWBERRY (1870). *Fossil Fishes from the Devonian Rocks of Ohio.*
Proc. N. Y. Lyc. Nat. Hist., I, 152-153.
JOHN STRONG NEWBERRY.
- Aspidophorus** Newberry, I, 153; orthotype *A. CLAVATUS* Newberry (fossil). Name preoccupied, replaced by *ASPIDICHTHYS* Newberry, 1873.
1036. NEWBERRY & WORTHEN (1870). *Descriptions of Fossil Vertebrates.*
Geol. Surv. Ills., IV.
JOHN STRONG NEWBERRY; A. H. WORTHEN.
- Cymatodus** Newberry & Worthen, IV, 108; orthotype *C. OBLONGUS* Newberry & Worthen (fossil). Probably a synonym of *JANASSA*.
- Lophodus** Newberry & Worthen, IV, 360; orthotype *L. VARIABILIS* Newberry & Worthen (fossil). Name preoccupied, replaced by *AGASSIZODUS* St. John & Worthen, 1875. A synonym of *CAMPODUS* Koninck.
- Peltodus** Newberry & Worthen, IV, 362; orthotype *P. UNGUIFORMIS* Newberry & Worthen (fossil). A synonym of *JANASSA*.
- Listracanthus** Newberry & Worthen, IV, 371; orthotype *L. HYSTRIX* Newberry & Worthen (fossil).
1037. POWRIE (1870). *On the Earliest Known Vestiges of Vertebrate Life. . . . Fish Remains from the Old Red Sandstone of Forfarshire.* Trans. Geol. Soc. Edinburgh, I.
JAMES POWRIE.
- Cephalopterus** Powrie, I, 298; orthotype *C. PAGEI* Powrie (fossil). Name preoccupied; a fragment of a supposed *CEPHALASPID*.
1038. ST. JOHN (1870). *Descriptions of Fossil Fishes from the Upper Coal Measures of Nebraska.* Proc. Amer. Philos. Soc., XI.
ORESTES H. ST. JOHN.
- Peripristis** St. John, XI, 434; orthotype *CTENOPTYCHIUS SEMICIRCULARIS* Newberry & Worthen (fossil). A synonym of *CTENOPTYCHIUS*.
1039. SAUVAGE (1870). *Synopsis des poissons tertiaires de Licata (Sicilia).*
Ann. Sci. Nat. XIV.
HENRI ÉMILE SAUVAGE.
- Pseudovomer** Sauvage, XIV, 10; orthotype *P. MINUTUS* Sauvage (fossil).
- Acanthonotos** Sauvage, XIV, 10; logotype *A. ARMATUS* Sauvage (fossil). Name preoccupied by *ACANTHONOTUS* Bloch; replaced by *HEMITHYRSITES* Sauvage, 1873.
- Tydeus** Sauvage, XIV, 23; orthotype *T. MEGISTOSOMA* Sauvage (fossil). (Name preoccupied; replaced by *ANAPTERUS* Sauvage, 1873.)

1040. STEINDACHNER & KNER (1870). *Ueber einige Pleuronectiden, . . . von Decastris Bay und von Viti-Lewu*. Sitzb. Akad. Wiss. Wien, LXI, 421-446.

FRANZ STEINDACHNER; RUDOLPH KNER.

Stichæopsis Steindachner & Kner, LXI, 441; orthotype *S. NANA* Steindachner & Kner.

1041. STEINDACHNER (1870). *Ichthyologische Notizen*. X. Sitzb. Akad. Wiss. Wien, LXI.

FRANZ STEINDACHNER.

Parapriacanthus Steindachner, LXI, 623; orthotype *P. RANSONNETI* Steind.; replaces *PEMPHERICHTHYS* Klunzinger.

1871

1042. VAN BENEDEN (1871). *Recherches sur quelques poissons fossiles de la Belgique*. (Later included in *Bull. Acad. Roy. Belg.*, XXXI.)

PIERRE J. VAN BENEDEN.

Brachyrhynchus Van Beneden, XXXI, 495; orthotype *ENCEHEIZIPHUS TERETIROSTRIS* Rüttimeyer (fossil). Name twice preoccupied; same as *ENCEHEIZIPHUS*.

Xiphiorhynchus Van Beneden, XXXI, 499; orthotype *X. ELEGANS* Van Beneden (fossil).

Trigloides Van Beneden, XXXI, 501; orthotype *T. DEJARDINI* Van Beneden (fossil).

Hannovera Van Beneden, XXXI, 504; orthotype *H. AURATA* Beneden (fossil). An extinct ally of *CETORHINUS* Blainv.

Scomberodon Van Beneden, XXXI, 504; orthotype *S. DUMONTI* Van Beneden (fossil). A synonym or extinct analogue of *SCOMBEROMORUS* Lac.

1043. COPE (1871). *On Two Extinct Forms of Physostomi of the Neotropical Region*. Proc. Amer. Philos. Soc., XII.

EDWARD DRINKER COPE.

Prymnetes Cope, XII, 52; orthotype *P. LONGIVENTER* Cope (fossil).

Anædopogon Cope, XII, 53; orthotype *A. TENUIDENS* Cope (fossil). An Elopoid fish not identical with *CLADOCYCLUS* Ag., which seems to belong to the *OSTEOGLOSSIDÆ*.

1044. COPE (1871). *Note on Some Cretaceous Vertebrates in the State Agricultural College of Kansas, etc.* Proc. Amer. Philos. Soc., XII.

EDWARD DRINKER COPE.

Anogmius Cope, XII, 170-354; orthotype *A. CONTRACTUS* Cope (fossil); not *ANOGMIUS* Cope, 1873 (*A. ARATUS* Cope, 1873). Regarded by Woodward as probably a synonym of *PACHYRHIZODUS*.

1045. COPE (1871). *Report on Recent Reptiles and Fishes . . . Hayden Expedition . . . Wyoming, etc.* Ann. Rept. U. S. Geol. Surv. for 1870 (1871).

EDWARD DRINKER COPE.

Apsopelix Cope, 424; orthotype *A. SAURIFORMIS* Cope (fossil).

1046. COPE (1871). *Contribution to the Ichthyology of the Lesser Antilles*. Trans. Amer. Philos. Soc., 1871, XIV, 445-483.

EDWARD DRINKER COPE.

- Cryptotomus** Cope, XIV, 462; orthotype *C. ROSEUS* Cope. Description of a valid genus from an injured specimen.
- Eleutheractis** Cope, XIV, 467; orthotype *E. CORIACEUS* Cope. A synonym of *RYPTICUS* Cuv.
- Holopterura** Cope, XIV, 482; orthotype *H. PLUMBEA* Cope.
1047. CUNNINGHAM (1871). *Notes on the Reptiles, Amphibia, Fishes, Mollusca, and Crustacea Obtained During the Voyage of H.M.S. Nassau in the Years 1866-69.* Trans. Linn. Soc. London (Zool.), 1871, XXVII, 465-502.
ROBERT OLIVER CUNNINGHAM.
- Maynea** Cunningham, XXVII, 471; orthotype *M. PATAGONICA* Cunningham.
1048. DAY (1871). *On the Fresh-water Siluroid Fishes of India and Burmah.* Proc. Zool. Soc. London, 1871, 703-721.
FRANCIS DAY.
- Aillichthys** Day, 712; orthotype *A. PUNCTATA* Day.
1049. DELFORTRIE (1871). *Les broyeur (Cestraciontes) du tertiaire aquitaien.* Acad. Soc. Linn. Bordeaux, XXVIII.
EUGÈNE DELFORTRIE.
- Gymnodus** Delfortrie, XXVIII, 232; orthotype *G. HETERODON* Delfortrie (fossil). An extinct analogue of *DIODON*.
1050. GÜNTHER (1871). *Description of New Percoid Fish from the Macquarie River.* Proc. Zool. Soc. London, 1871, 320.
ALBERT GÜNTHER.
- Ctenolates** Günther, 320; orthotype *CTENOLATES MACQUARIENSIS* Gthr. = *DATNIA AMBIGUA* Rich.
1051. GÜNTHER (1871). *Report on Several Collections of Fishes Recently Obtained for the British Museum.* Proc. Zool. Soc. London, 1871, 652-675.
ALBERT GÜNTHER.
- Blennodesmus** Günther, 667; orthotype *B. SCAPULARIS* Gthr.
- Halidesmus** Günther, 668; orthotype *H. SCAPULARIS* Gthr.
- Nannæthiops** Günther, 669; orthotype *N. UNITENIATUS* Gthr.
- Pœciloconger** Günther, 673; orthotype *P. FASCIATUS* Gthr.
1052. KLUNZINGER (1871). *Synopsis der Fische des Rothen Meeres.* II. Theil. Verh. K.-K. Zool.-Bot. Ges. Wien, 1871, XXI, 441-668.
CARL BENJAMIN KLUNZINGER.
- Pempherichthys** Klunzinger, XXI, 470; orthotype *P. GUNTHERI* Klunzinger. A synonym of *PARAPRIACANTHUS* Steind.
- Gobiichthys** Klunzinger, 479; orthotype *G. PETERSI* Klunzinger. A synonym of *ONYURICHTHYS* Blkr.
1053. LE HON (1871). *Préliminaire mémoire des poissons tertiaires de la Belgique.* HENRI LE HON (1809-1872).
- Scaldia** Le Hon, 7; orthotype *SCALDIA BIFORIS* Le Hon (fossil). A synonym of *THAUMAS* or perhaps of the living genus *SQUATINA*.
- Palanarrhichas** Le Hon, 10; orthotype *P. CRASSUS* Le Hon (fossil).
- Goniobatis** Le Hon, 10; orthotype *G. OMALIUSI* Le Hon (fossil). Name preoccupied; a synonym of *AËTOBATUS*.

1054. LEIDY (1871). *Report on the Vertebrate Fossils of the Tertiary Formations of the West*. Rept. Geol. Surv. Terr. for 1870 (1871).
JOSEPH LEIDY.
Oncobatis Leidy, 70; orthotype *O. PENTAGONUS* Leidy (fossil). An ally of *RAJA*.
1055. LÜTKEN (1871). *Onciroides eschrichtii* Ltk., en ny grönländsk Tudsefisk. Overs. Dansk. Vid. Selsk. Kjöbenhavn, 1871, 56-74.
CHRISTIAN FREDERIK LÜTKEN.
Oneiroides Lütken, 56; orthotype *O. ESCHRICHTII* Lütken.
1056. POEY (1871). *Genres de poissons de la faune de Cuba, appartenant à la famille de Percidæ*. Ann. Lyc. Nat. Hist. N. Y., X.
FELIPE POEY Y ALOY.
Menephorus Poey, X, 50; orthotype *SERRANUS DUBIUS* Poey.

 1872

1057. BARRANDE (1872). *Indications sommaires des vestiges de poissons connus dans les dépôts Siluriens*, etc. (Bohème).
JOACHIM BARRANDE.
Gompholepis Barrande, I, 644; orthotype *G. PANDERI* Barrande (fossil).
1058. BLEEKER (1872). *Atlas ichthyologique*, etc. VI. *Pleuronectes, Clupées*, etc.
PIETER BLEEKER.
Leptogaster Bleeker, 168; orthotype *SPRATELLOIDES ARGYROLENIA* Blkr. A synonym of *SPRATELLOIDES* (an error probably overlooked in proof-reading).
Paralosa Bleeker, —. This name is quoted from Bleeker, but I fail to find it anywhere. Said to be a synonym of *HARENGULA* Cuv. & Val.
- 1059-1060. CASTELNAU (1872). *Contributions to the Ichthyology of Australia*. Proc. Zool. Acclim. Soc. Victoria, 1872, I, 29-247.
* FRANCIS L. CASTELNAU.
Microperca Castelnau, I, 48; orthotype *M. YARRÆ* Castelnau. Name preoccupied by *MICROPERCA* Putnam, 1863. A synonym of *NANNOPERCA* Gthr.
Murrayia Castelnau, I, 61; orthotype *M. GUENTHERI* Castelnau. A synonym of *MACQUARIA* Cuv. & Val.
Riverina Castelnau, I, 64; orthotype *R. FLUVIATILIS* Castelnau. Probably a synonym of *MACQUARIA* Cuv. & Val.
Neotephræops Castelnau, I, 68; orthotype *CRENIDENS ZEBRA* Rich. Same as *GIRELLICHTHYS* Klunzinger. Both are synonyms of *MELAMBAPHES* Gthr.
Neoplatycephalus Castelnau, I, 87; orthotype *N. GRANDIS* Castelnau.
Neosphyræna Castelnau, I, 96; orthotype *N. MULTIRADIATA* Castelnau = *DINOLESTES MUELLERI* Klunzinger. A synonym of *DINOLESTES* Klunzinger.
Richardsonia Castelnau I, 112; orthotype *R. INSIGNIS* Castelnau = *HISTIOPTERUS LABIOSUS* Rich. Name preoccupied; replaced by *PARISTIOPTERUS* Blkr., 1876, and later by *MACCULLOCHIA* Waite.

* François Laporte Comte de Castelnau, while in South Africa and Australia, wrote his name in English fashion as Francis L. Castelnau.

- Atherinosoma** Castelnau, I, 136; orthotype *A. VORAX* Castelnau.
Yarra Castelnau, I, 231; orthotype *Y. SINGULARIS* Castelnau. A synonym of *GEOTRIA* Gray.
Neomordacia Castelnau, I, 232; orthotype *N. HOWITTI* Castelnau. A synonym of *GEOTRIA* Gray.
Neocarassius Castelnau, I, 236; orthotype *N. VENTRICOSUS* Castelnau.
Aploactisoma Castelnau, I, 244; orthotype *A. SCHOMBURGKI* Castelnau. A synonym of *APLOACTIS* T. & S.
Vincentia Castelnau, I, 245; logotype *V. WATERHOUSEI* Castelnau. A synonym of *APOGON* Lac.
Heteroscarus Castelnau, I, 245; logotype *H. FILAMENTOSUS* Castelnau.
Ophioclinus Castelnau, I, 246; orthotype *O. ANTARCTICUS* Castelnau.
Heteroclinus Castelnau, I, 247; orthotype *H. ADELAIDÆ* Castelnau.

1061. COPE (1872). *On the Fishes of the Ambyacu River*. Proc. Acad. Nat. Sci. Phila. for 1871, 250-292 (dated Jan. 16, 1872).

EDWARD DRINKER COPE.

- Læmolyta** Cope, 258; logotype *ANOSTOMUS TÆNIATA* Kner.
Iguanodectes Cope, 260; orthotype *I. TENUIS* Cope.
Triportheus Cope, 263; logotype *T. ALBUS* Cope.
Zathorax Cope, 271; orthotype *Z. MONITOR* Cope.
Physopyxis Cope, 273; orthotype *P. LYRA* Cope.
Dianema Cope, 276; orthotype *D. LONGIBARBIS* Cope.
Brochis Cope, 277; orthotype *B. CÆRULEUS* Cope.
Otocinclus Cope, 283; orthotype *O. VESTITUS* Cope.
Pariolius Cope, 289; orthotype *P. ARMILLATUS* Cope.

1062. COPE (1872). *Report on the Reptiles and Fishes Obtained by the Naturalists of the Expedition*. Hayden's Geol. Surv. Wyoming, etc.

EDWARD DRINKER COPE.

- Coliscus** Cope, 437; orthotype *COLISCUS PARIETALIS* Cope = young of *PIMEPHALES PROMELAS* Raf. A synonym of *PIMEPHALES* Raf.
Sarcidium Cope, 440; orthotype *S. SCOPIFERUM* Cope. A synonym of *PHENACOBIVS* Cope, 1867.

1063. COPE (1872). *Report on the Recent Reptiles and Fishes of the Survey, Collected by Campbell Carrington and C. M. Dawes*. Hayden's Rept. Geol. Surv. Montana, etc., for 1871 (1872).

EDWARD DRINKER COPE.

- Apocope** Cope, 472; logotype *A. CARRINGTONI* Cope.
Protoporus Cope, 473; orthotype *P. DOMINUS* Cope (young of *TIGOMA LINEATA* Grd.). A synonym of *TIGOMA* Grd.
Myloleucus Cope, 475; orthotype *M. PULVERULENTUS* Cope. *MYLOLEUCUS* is a synonym of *TIGOMA* Grd. In studying these species, Professor Cope by accident replaced teeth of a *SIPHATELES* in his type example of *MYLOLEUCUS PULVERULENTUS* (*vide* Snyder and Fowler). The group called *RUTILUS* by Jordan & Evermann (*Fishes of N. and M. Amer.*, 1896, 243) is a composite one. *RUTILUS*, with the teeth 6-5, should stand by itself. The name *LEUCOS* Heckel, preoccupied by *LEUCUS* Kaup, with teeth 5-5, should probably give place to

CENISOPHIUS Bon., while the American species should be distributed between SIPHATELES Cope, HESPEROLEUCUS Snyder, and LEUCIDIUS Snyder.

1064. COPE (1872). *A New Genus of Saurodont Fishes, Erisichthe, from the Kansas Niobrara*. Proc. Acad. Nat. Sci. Phila.

EDWARD DRINKER COPE.

Erisichthe Cope, 280; orthotype *E. NITIDA* Cope (fossil). A synonym of *PROTOSPHYRENA* Leidy.

1065. COPE (1872). *On the Families of Fishes of the Cretaceous Formation of Kansas*. Proc. Amer. Philos. Soc., 1872, XII, 327-357.

EDWARD DRINKER COPE.

Portheus Cope, XII, 331; orthotype *P. MOLOSSUS* Cope (fossil). Possibly a synonym of *XIPHACTINUS* Leidy, 1870.

Daptinus Cope, XII, 339; orthotype *SAUROCEPHALUS PHLEBOTOMUS* Cope (fossil).

A synonym of *SAURODON* Hays, itself a synonym of *SAUROCEPHALUS* Harlan.

Empo Cope, XII, 347; orthotype *E. NEPAHOLICA* Cope (fossil).

Stratodus Cope, XII, 349; orthotype *S. APICALIS* Cope (fossil).

1066. COPE (1872). *On the Tertiary Coal and Fossils of Osino, Nevada*. Proc. Amer. Philos. Soc., 1872, XII, 478-481.

EDWARD DRINKER COPE.

Trichophanes Cope, XII, 479; orthotype *T. HIANUS* Cope (fossil).

Amyzon Cope, XII, 480; orthotype *A. MENTALE* Cope (fossil).

1067. COPE (1872). *Notices of New Vertebrata from the Upper Waters of Bitter Creek, Wyoming Territory*. Proc. Amer. Philos. Soc., for 1871, XII, 483-486 (reprints dated Aug. 20, 1872).

EDWARD DRINKER COPE.

Rhineastes Cope, XII, 486; orthotype *R. PELTATUS* Cope (fossil).

1068. DYBOWSKI (1872). *Zur Kenntniss der Fischfauna des Amurgebietes*. Verh. Bot. Ges. Wien, 1872, 200-222.

BENEDIKT IVAN DYBOWSKI

Actenolepis Dybowski, 210; logotype *A. DITMARI* Dybowski = *PERCA CHUATSI* Basilewsky. A synonym of *SINIPERCA* Gill.

Onychodon Dybowski, 211; orthotype *CEPHALUS MANTSCHURICUS* Basilewsky. Same as *ABRAMOCEPHALUS* Steind., both synonyms of *HYPOPHTHALMICHTHYS* Blkr.

Gobiosoma Dybowski, 211; orthotype *G. AMURENSIS* Dybowski. Name preoccupied by *GOBIOSOMA* Grd. A synonym of *SAUROGOBIO* Blkr.

Megalobrama Dybowski, 213; orthotype *M. AKOLKOVII*. A synonym of *PARABRAMIS* Blkr.

Squalidus Dybowski, 215; orthotype *S. CHANKAËNSIS* Dybowski. A synonym of *GNATHOPOGON* Blkr. (*LEUCOGOBIO* Gthr.).

Plagiognathus Dybowski, 216; orthotype *P. JELSKII* Dybowski. Name preoccupied; replaced by *PLAGIOGNATHOPS* Berg.

Barbodon Dybowski, 216; orthotype *B. LACUSTRIS* Dybowski. A synonym of *SARCOCHEILICHTHYS* Blkr.

1069. EGERTON (1872). *Fish: Heterolepidotus, Isocolum*, etc. Mem. Geol. Surv. United Kingdom, 1872, XIII, decade 7.

PHILIP DE MALPAS GREY EGERTON.

- Heterolepidotus** Egerton, XIII, No. 2; orthotype H. LATUS Egert. (fossil).
Platysiagum Egerton, XIII, No. 6; orthotype P. SCLEROCEPHALUM Egert. (fossil).
Palæospinax Egerton, XIII, No. 7; orthotype THYELLINA PRISCA (fossil).
Drepanephorus Egerton, XIII, No. 9; orthotype ACRODUS RUGOSUS Ag. (fossil).
 An extinct analogue of the living HETEROBONTUS or CENTRACION.

1070. EGERTON (1872). *On Prognathodus guentheri Egerton, a New Genus of Fossil Fishes from the Lias of Lyme Regis*. Quart. Journ. Geol. Soc., 1872, XXVIII, 233-237.

PHILIP DE MALPAS GREY EGERTON.

- Prognathodus** Egerton, XXVIII, 233; orthotype P. GUENTHERI Egert. (fossil).
 Not PROGNATHODES Gill, the root meaning being different.

1071. GÜNTHER (1872). *Description of Thrissopater salmoncus n. sp.* (In *Great Britain and Ireland Geological Survey. Figures and Descriptions Illustrative of British Organic Remains*. Decade 13, London, 1872.)

ALBERT GÜNTHER.

- Thrissopater** Günther, No. 1; orthotype T. SALMONEUS Gthr. (fossil).

1072. GÜNTHER (1872). *Zoological Record for 1871*.

ALBERT GÜNTHER.

- Macruronus** Günther, 103; orthotype CORYPHÆNOIDES NOVÆ-ZELANDIÆ Hector.

1073. GÜNTHER (1872). *On a New Genus of Characinoid Fishes from Demerara*. Proc. Zool. Soc. London, 1872, 146.

ALBERT GÜNTHER.

- Nannostomus** Günther, 146; orthotype N. BECKFORDI Gthr.

1074. GÜNTHER (1872). *Description of Two New Fishes (Lanioperca mordax, Chilodactylus allporti) from Tasmania*. Ann. Mag. Nat. Hist., 1872, ser. 4, X, 183-184.

ALBERT GÜNTHER.

- Lanioperca** Günther, 183; orthotype L. MORDAX, Gthr. = DINOLESTES MUELLERI Klunzinger.

"The same fish is described as DINOLESTES MUELLERI (g. et. sp. n.) by Klunzinger, *Arch. f. Nat.*, 1872, p. 29, Taf. 3. (this name has the priority); and still later as NEOSPHYRÆNA MULTIRADIATA (g. et. sp. n.) by Castelnau, *Proc. Zool. Soc. Victor*, 1872, p. 96."—(Günther).

The name DINOLESTES stands.

1075. GÜNTHER (1872). *Notice on Two New Fishes (Symphorus teniolatus, Mugil meyeri) from Celebes*. Ann. Mag. Nat. Hist., 1872, IV, ser. 9, 438-440.

ALBERT GÜNTHER.

- Symphorus** Günther, 438; orthotype S. TENIOLATUS Gthr.

1076. HANCOCK & ATTHEY (1872). *Descriptive Notes on a Nearly Entire Specimen of Pleuroodus . . . in the Coal Measures of Newsham*. Trans. Nat. Hist. Soc. Northumberland, IX.

ALBANY HANCOCK; T. ATTHEY.

- Pleurodus** (Agassiz) Hancock & Atthey, IX, 408; orthotype *PLEURODUS RANKINEI* Ag. (fossil). Name regarded as preoccupied by *PLEURODON* Wood, 1840; replaced by *PLEUROPLAX* Woodw. (1889).
1077. HUTTON (1872). *Contributions to the Ichthyology of New Zealand*. Trans. Proc. New Zealand Instit., 1872, V, 259-272.
FREDERICK WOLLASTON HUTTON (1836-1905).
- Calloptilum** Hutton, 266; orthotype *C. PUNCTATUM* Hutton. Name preoccupied, replaced by *AUCHENOCEROS* Gthr.
1078. HUTTON & HECTOR (1872). *Fishes of New Zealand*, etc. Wellington, 1872, 1-133.
FREDERICK WOLLASTON HUTTON; JAMES HECTOR.
- Phosichthys** Hutton & Hector, 55; orthotype *P. ARGENTUS* Hutton & Hector (later corrected to *PHOTICHTHYS*).
1079. KLUNZINGER (1872). *Zur Fischfauna von Süd-Australien*. Arch. Naturg., 1872, 38 Jahrg., pt. 1, 17-47.
CARL BENJAMIN KLUNZINGER.
- Paradules** Klunzinger, 20; logotype *P. OBSCURUS* Klunzinger. Name preoccupied; a synonym of *NANNOPERCA* Gthr.
- Girellichthys** Klunzinger, 22; orthotype *CRENIDENS ZEBRA* Rich. Same as *NEOTE-PHRÆOPS* Castelnau, and a little earlier; both apparently synonyms of *MELAMBAPHES* Gthr.
- Dinolestes** Klunzinger, 29; orthotype *D. MUELLERI* Klunzinger; replaces *LANTOPERCA* and *NEOSPHYRÆNA*, both a little later in the same year.
1080. PETERS (1872). *Ueber eine neue Gattung von Fischen aus der Familie der Cataphracti Cuv., Scombrocottus salmoncus, von der Vancouvers-Insel*. Monatsb. Akad. Wiss. Berlin, 1872, 568-570.
WILHELM CARL HARTWIG PETERS.
- Scombrocottus** Peters, 568; orthotype *S. SALMONEUS* Peters = *GADUS FIMBRIA* Pallas. A synonym of *ANOPLPOMA* Ayres.
1081. THIOLLIÈRE (1872). *Description des poissons fossiles des gisements coralliens du Jura dans le Bugey*. (Second edition, the first in 1854.)
VICTOR JOSEPH DE L'ISLE THIOLLIÈRE.
- Attakeopsis** Thiollière, 23; orthotype *A. DESORI* Thiollière (fossil). A synonym of *IONOSCOPUS* Costa; first printed as name only in 1858.

 1873

1082. BARKAS (1873). *Illustrated Guide to the Fish . . . (and other) Remains of the Northumberland Carboniferous Strata*.
THOMAS PALLISTER BARKAS (1819-1891).
- Orthognathus** Barkas, 38; orthotype *O. RETICULOSUS* Barkas (fossil). A synonym of *RHIZODOPSIS* Young.
- Labyrinthodontosaurus** Barkas, 75; orthotype *L. SIMMI* Barkas = *HOLOPTYCHIUS SAUROIDES* Binney. A synonym of *STREPSODUS* Huxley.

1083. VAN BENEDEN (1873). *Sur un nouveau poisson du terrain Bruxellien*. Bull. Acad. Roy. Belgique, XXXV.
PIERRE J. VAN BENEDEN.
- Homalorhynchus** Van Beneden, XXXV, 210; orthotype **PALÆORHYNCHUM BRUXELLENSE** Le Hon (fossil). A synonym of **HEMIRHYNCHUS** Ag.
1084. BLEEKER (1873). *Mémoire sur la faune ichthyologique de Chine*. Neder. Tijdschr. Dierk., IV, 1873, 113-154.
PIETER BLEEKER.
- Silurodon** Bleeker, IV, 125; orthotype **S. HEXANEMA** Blkr.
- Leptopegasus** Bleeker, IV, 125; orthotype **PEGASUS NATANS** L. A synonym of **PARAPEGASUS** Dum. (1870).
- Paragobiodon** Bleeker, IV, 129; orthotype **GOBIOUS ECHINOCEPHALUS** Rüppell (not **P. MELANOSOMA** Blkr., as stated by Jordan & Seale, *Fishes of Samoa*). Replaces **RUPPELLIA** Sw., 1839, preoccupied.
- Tylometopon** (Van Beneden) Bleeker, IV, 133; orthotype **T. DUSSUMIERI** Blkr.
- Odontolabrax** Bleeker, IV, 149; orthotype **O. TYPUS** Blkr.
- 1084A. BLEEKER (1873). *Révision des espèces indo-archipélagiques du groupe des Anthiini*. Neder. Tijdschr. Dierk., IV, 1872, 155-169.
PIETER BLEEKER.
- Pseudanthias** Bleeker, 158; orthotype **ANTHIAS PLEUROTENIA** Blkr.
- Dactylanthias** Bleeker, 158; orthotype **D. APLODACTYLUS** Blkr.
- Odontanthias** Bleeker, 158; orthotype **ANTHIAS RHODOPELUS** Gthr.
- Plectranthias** Bleeker, 158; orthotype **PLECTROPOMA ANTHIOIDES** Gthr.
1085. BLEEKER (1873). *Mededeelingen omtrent eene herziening der Indisch-Archipelagische soorten van Epinephelus, Lutjanus, Dentex en verwante geslachten*. Versl. Akad. Amsterdam (2) VII, 1873, 40-46.
PIETER BLEEKER.
- Gnathodentex** Bleeker, VII, 41; orthotype **PENTAPUS AURILINEATUS** Blkr.
1086. BLEEKER (1873). *Sur le genre Parapristipoma et sur l'identité spécifique des Perca trilineata Thunb., Pristipoma japonicum Cv. et Diagramma japonicum Blkr.* Arch. Neerl. Sci. Nat., VIII, 1873, 19-24.
PIETER BLEEKER.
- Parapristipoma** Bleeker, VIII, 22; orthotype **PERCA TRILINEATA** Thunberg.
1087. CASTELNAU (1873). *Contributions to the Ichthyology of Australia*. Proc. Zool. Soc. Victoria, II, 37-158.
FRANCIS LAPORTE CASTELNAU.
- Lacepedia** Castelnau, II, 42; orthotype **L. CATAPHRACTA** Castelnau.
- Ruppelia** Castelnau, II, 51; orthotype **R. PROLONGATA** Castelnau. A synonym of **PARAPLESIOPS** Blkr. Name preoccupied by **RUPPELLIA** Sw., a genus of gobies, and by a still earlier genus of insects.
- Zantecla** Castelnau, II, 87; orthotype **Z. PUSILLA** Castelnau. A synonym of **MELANOTÆNIA** Gill.
- Ellerya** Castelnau, II, 95; orthotype **E. UNICOLOR** Castelnau. A synonym of **GOBIODON** Kuhl & Van Hasselt.
- Neomyrpristis** Castelnau, II, 98; orthotype **N. AMGENUS** Castelnau.

- Neocirrhites** Castelnau, II, 101; orthotype *N. ARMATUS* Castelnau. A synonym of *CIRRHITICHTHYS*.
- Neosudis** Castelnau, II, 118; orthotype *N. VORAX* Castelnau.
- Neotrygon** Castelnau, II, 121; orthotype *RAJA TRYGONOIDES* Castelnau.
- Edelia** Castelnau, II, 123; logotype *E. VITTATA* Castelnau. A synonym of *NANNOPERCA* Gthr.
- Bostockia** Castelnau, II, 126; orthotype *B. POROSA* Castelnau.
- Neochætodon** Castelnau, II, 130; orthotype *N. VITTATUS* Castelnau. A synonym of *MICROCANTHUS* Sw.
- Hectoria** Castelnau, II, 151; orthotype *OLIGORUS GIGAS* Owen. A synonym of *POLYPRION* Val.
1088. CASTELNAU (1873). *Edible Fishes of Victoria*. Exhibition Essays.
FRANCIS LAPORTE CASTELNAU.
- Bleckeria** Castelnau, —; orthotype *B. CATAFRACTA* Castelnau = *PLESIOPS BLEEKERI* Gthr. (*vide* Ogilby). Name preoccupied as *BLEEKERIA* Gthr. A synonym of *PARAPLESIOPS* Blkr., 1875.
1089. COPE (1873). *On the Extinct Vertebrata of the Eocene of Wyoming*, etc.
Rept. Geol. Surv. for 1872.
EDWARD DRINKER COPE.
- Clastes** Cope, 633; orthotype *C. ANAX* Cope (fossil) = *LEPIDOSTEUS ATROX* Leidy.
An extinct homologue of *LEPIDOSTEUS*.
- Pappichthys** Cope, 636; orthotype *P. PLICATUS* Cope (fossil).
- Astephus** Cope, 637; orthotype *RHINEASTES CALVUS* Cope.
1090. COPE (1873). *A Contribution to the Ichthyology of Alaska*. Proc. Amer.
Philos. Soc., 1873, XIII, 24-32.
EDWARD DRINKER COPE.
- Bathymaster** Cope, XIII, 31; orthotype *B. SIGNATUS* Cope.
1091. COPE (1873). *On Some New Batrachia and Fishes from the Coal Measures of Linton, Ohio*. Proc. Acad. Nat. Sci. Phila.
EDWARD DRINKER COPE.
- Conchiopsis** Cope, 341; orthotype *C. FILIFERUS* Cope (fossil). A synonym of *CÆLANTHUS* Ag.
- Peplorhina** Cope, 343; orthotype *P. ANTHRACINA* Cope (fossil). Regarded as an amphibian by Dr. Newberry.
1092. COSTA (1873). *Ittioliti fossili Italiani*.
ORONZIO GABRIELE COSTA.
- Omalopleurus** Costa, 59; orthotype *O. SPECIOSUS* Costa (fossil). A synonym of *DAPEDIUM* Leach.
1093. FITZINGER (1873). *Die Gattungen der europäischen Cyprinen nach ihren äusseren Merkmalen*. Sitzb. Akad. Wiss. Wien, LXVIII
LEOPOLD JOSEPH FRANZ JOHANN FITZINGER.
- Zopa** Fitzinger, LXVIII, 152; orthotype *CYPRINUS SOPA* Pallas. Apparently a synonym of *BALLERUS* Heckel.
- Vimba** Fitzinger, LXVIII, 152; tautotype *CYPRINUS VIMBA* L. An ally of *ABRAMIS* Cuv.

- Rubellus** Fitzinger, LXVIII, 152, 162; orthotype *CYPRINUS RUTILUS* L. A synonym of *RUTILUS* Raf.
- Orfus** Fitzinger, LXVIII, 152, 163; orthotype *LEUCISCUS VIRGO* Heckel (*Orfus Germanorum Marsilius, 1726, Pisces Danubienses*) = *CYPRINUS PIGUS* Lac. A synonym of *CENISOPHIUS* Bon.
- Cephalopsis** Fitzinger, LXVIII, 152, 165; logotype *LEUCISCUS SVALLIZE* Heckel & Kner. A synonym of *LEUCISCUS* Cuv.
- Habrolepis** Fitzinger, LXVIII, 152, 167; orthotype *LEUCISCUS UKLIVA* Heckel. A synonym of *TELESTES* Bon.
- Bathystoma** Fitzinger, LXVIII, 152, 168; orthotype *LEUCISCUS MICROLEPIS*. Name preoccupied; a synonym of *TELESTES* Bon.
- Machærochilus** Fitzinger, LXVIII, 152, 170; orthotype *CHONDROSTOMA PHOXINUS* Heckel. A synonym of *CHONDROSTOMA* Ag.
- 1094-1095. GOLDENBURG (1873). *Fauna Sarapontana fossilis*.
F. GOLDENBURG (1873-).
- Leiolepis** Goldenburg, 5; orthotype (not named by Woodward). A synonym of *AMBLYPTERUS* Ag.
1096. GÜNTHER (1873). *New Fishes from Angola*. Ann. Mag. Nat. Hist., 1873, ser. 4, XII, 142-144.
ALBERT GÜNTHER.
- Channalabes** Günther, 142; orthotype *C. APUS* Gthr.
- Bryconæthiops** Günther, 143; orthotype *B. MICROSTOMA* Gthr.
1097. GÜNTHER (1873). *Report on a Collection of Fishes from China*. Ann. Mag. Nat. Hist., ser. 4, XII, 239-250.
ALBERT GÜNTHER.
- Lophiogobius** Günther, 241; orthotype *L. OCELLICAUDA* Gthr. Not identical with *LOPHOGOBIOUS* Gill.
- Myloleucus** Günther, 247; orthotype *LEUCISCUS ÆTHIOPS* Basilewsky. Name preoccupied by *MYLOLEUCUS* Cope.
- Toxabramis** Günther, 249; orthotype *T. SWINHONIS* Gthr.
- Psephurus** Günther, 250; orthotype *POLYODON GLADIUS* Martens.
1098. GÜNTHER (1873). *Andrew Garrett's Fische der Südsce*. Band I. Journ. Mus. Godeffroy, 1873, 1-128.
ALBERT GÜNTHER.
- Gymnoscopelus** Günther, 91; orthotype *G. APHYA* Gthr.
- Holotrachys** Günther, 93; orthotype *MYRIPRISTIS LIMA* Cuv. & Val.
- Diplophos** Günther, 101; orthotype *D. TENIA* Gthr.
1099. HAAST (1873). *Notes on Some Undescribed Fishes of New Zealand*. Trans. New Zealand Instit., 1873, V, 272-278.
JOHANN FRANZ JULIUS VON HAAST (1822-1887).
- Synnema** Haast, V, 274; orthotype *ANEMA MONOPTERYGIUM* Blkr.
- Bowenia** Haast, V, 276; orthotype *B. NOVÆ-ZELANDIÆ* Haast.
1100. KAUP (1873). *Ueber die Familie Triglida, nebst einigen Worten über die Classification*. Archiv. Naturgeschichte.
JOHANN JACOB KAUP.
- Microtrigla** Kaup, 86; logotype *TRIGLA PAPILIO* Cuv. & Val. Differs from *LEPIDOTRIGLA* in the armed scales of the lateral line.

Chelidonichthys Kaup, 87; logotype *TRIGLA HIRUNDO* L.

Lyrichthys Kaup, 88; logotype *TRIGLA LYRA* L. A valid subgenus, if *TRIGLA GURNARDUS* L. is taken as type of *TRIGLA*, setting aside the later choice of type (*TRIGLA LYRA* L.) by Jordan & Gilbert, 1883.

Palænichthys Kaup, 90; logotype *TRIGLA ASPERA* Cuv. & Val. A synonym of *LEPIDOTRIGLA* Gthr.

These subgenera of Kaup have been overlooked by authors. They may be thus briefly defined, after Kaup:

- a. Scales moderate, evenly placed; preorbital not produced.
- b. Lateral line armed with strong spines; dorsal short. *MICROTRIGLA*.
- bb. Lateral line unarmed; head well armed. (*LEPIDOTRIGLA*) *PALÆNICHTHYS*.
- aa. Scales very small, crowded.
- c. Lateral line unarmed; preorbital produced. *CHELIDONICHTHYS*.
- cc. Lateral line with strong spines.
- d. Preorbital expanded in a broad, emarginate "lyre-like projection."
LYRICHTHYS.
- dd. Preorbital not expanded. *TRIGLA*.

1101. LANKESTER (1873). *On Holaspis scriccus and on the Relationships of the Fish-Genera Pteraspis, Cyathaspis, and Scaphaspis*. Geol. Mag., X.

EDWIN RAY LANKESTER.

Holaspis Lankester, X, 242; orthotype *H. SERICEUS* Lank. (fossil). Name preoccupied; a synonym of *PALÆASpis* Claypole.

1102. LEIDY (1873). *Contributions to the Extinct Vertebrate Fauna of the Western Territories*. I. Rept. U. S. Geol. Surv. for 1867 (1873).

JOSEPH LEIDY.

Protautoga Leidy, 15; orthotype *P. CONDENS* Leidy.

Eumylodus Leidy, 309; orthotype *LAQUEATUS* Leidy (fossil). A synonym of *EDAPHODON* Buckland.

1103. LEIDY (1873). *Notice of Remains of Fishes in the Bridger Tertiary Formations of Wyoming*. Proc. Acad. Nat. Sci. Phila.

JOSEPH LEIDY.

Hypamia Leidy, 98; orthotype *H. ELEGANS* Leidy (fossil).

Protamia Leidy, 98; orthotype *AMIA GRACILIS* Leidy (fossil).

Phareodus Leidy, 99; *P. ACUTUS* Leidy (fossil). Genus undefined, but not the species; replaces *DAPEDOGLOSSUS* Cope.

1104. LÜTKEN (1873). *Nogle nye eller mindre fuldstændigt kjendte Pandsermaller, isaer fra det nordlige Sydamerika*. Vid. Meddel., Kjöbenhavn, 1873, 202-220.

CHRISTIAN FREDERIK LÜTKEN.

Xenomystus Lütken, 217; orthotype *X. GOBIO* Lütken. Name preoccupied; replaced by *HEMIPSILICHTHYS* Eigenmann.

1105. MARCK (1873). (*Fossile Fische*.) *Palæontographia*, XXII, 1873.

W. VON DER MARCK.

Thrissopteroides von der Marck, XXII, 61; orthotype *T. ELONGATUS* von der Marck (fossil).

1106. NEWBERRY (1873). *Descriptions of Fossil Fishes*. Rept. Geol. Surv. Ohio. I. (*Devonian System*, 290-324.)

JOHN STRONG NEWBERRY.

- Cyrtacanthus** Newberry, I, 306; orthotype *C. DENTATUS* Newberry (fossil). Probably a synonym of *ERISMACANTHUS*.
Liognathus Newberry, I, 306; orthotype *L. SPATULATUS* Newberry. Name preoccupied by *LEIOGNATHUS* Lac.; replaced by *LISPOGNATHUS* Miller, 1892.
Rhynchodus Newberry, I, 307; orthotype *R. SECANS* Newberry (fossil).
Dinichthys Newberry, I, 313; orthotype *D. HERTZERI* Newberry (fossil).
Aspidichthys Newberry, I, 322; orthotype *ASPIDOPHORUS CLAVATUS* Newberry (fossil). Replaces *ASPIDOPHORUS* Newberry, preoccupied.

1107. POEY (1873). *Grammicolepis brachiusculus, tipo de una nueva familia en la clase de los peces*. Anal. Soc. Española Hist. Nat., Madrid, 1873, II, 403-406.

FELIPE POEY Y ALOY.

- Grammicolepis** Poey, II, 403; orthotype *G. BRACHIUSCULUS* Poey.

1108. SAUVAGE (1873). *Note sur le Sebastes minutus*. Ann. Sci. Nat. (Zool.), V, 1.
HENRI ÉMILE SAUVAGE.

- Sebastopsis** Sauvage, V, 1; orthotype *SEBASTES MINUTUS* Cuv. Identical with the earlier *SEBASTOPSIS* Gill, both being synonyms of *SCORPENODES* Blkr.

1109. SAUVAGE (1873). *Mémoire sur la faune ichthyologique de la période tertiaire et plus spécialement sur les poissons fossiles d'Oran (Algérie) et sur ceux découverts par M. R. Alby à Licata en Sicile*. Ann. Sci. Géol., 1873, IV, No. 1.

HENRI ÉMILE SAUVAGE.

- Trichiurichthys** Sauvage, IV, 130; orthotype *T. INCERTUS* Sauvage (fossil).
Hemithyrsites Sauvage, IV, 136; orthotype *ACANTHONOTUS ARMATUS* Sauvage (fossil); replaces *ACANTHONOTUS* Sauvage, preoccupied by *ACANTHONOTUS* Bloch.
Pseudeleginus Sauvage, IV, 164; orthotype *P. ALBYI* Sauvage (fossil).
Parascopelus Sauvage, IV, 196; orthotype *SCOPELUS LACERTOSUS* Sauvage (fossil).
Anapterus Sauvage, IV, 199; orthotype *TYDEUS MEGISTOSOMA* Sauvage (fossil). Name a substitute for *TYDEUS* Sauvage, preoccupied.

1110. TRAQUAIR (1873). *On a New Genus (Ganorhynchus) of Fossil Fish of the Order Dipnoi*. Geol. Mag., 1873, X, 552-555.

RAMSAY HEATLEY TRAQUAIR (1840-1912).

- Ganorhynchus** Traquair, 555; orthotype *G. WOODWARDI* Traquair (fossil).

1111. VAILLANT (1873). *Recherches sur les poissons des eaux douces de l'Amérique septentrionale désignés par M. L. Agassiz sous le nom d'Ethéostomatida*. Nouv. Archiv. Mus. Hist. Nat. Paris, 1873, IX, 5-154.

LÉON LOUIS VAILLANT.

- Plesioperca** Vaillant, IX, 36; orthotype *P. ANCEPS* Vaillant = *HADROPTERUS NIGROFASCIATUS* Ag. A synonym of *HADROPTERUS* Ag.
Astatischys Vaillant, IX, 106; orthotype *ETHEOSTOMA CÆRULEA* Storer. A synonym of *OLIGOCEPHALUS* Grd.

1874

1112. BARKAS (1874). *On the Microscopical Structure of Fossil Teeth from the Northumberland Coal Measures*. Monthly Review Dental Surgery.

WILLIAM JAMES BARKAS.

- Petalodopsis** Barkas, II, 538; orthotype *P. MIRABILIS* Barkas = *SAGENODUS INÆQUALIS* Owen (fossil). Probably a synonym of *SAGENODUS*.

1113. BLEEKER (1874). *Typi nonnulli generici piscium neglecti*. Versl. Akad. Amsterdam (2), VIII, 367-371.

PIETER BLEEKER.

- Campylomormyrus** Bleeker, VIII, 367; orthotype *MORMYRUS TAMANDUA* Gthr.

- Oxymormyrus** Bleeker, VIII, 367; orthotype *MORMYRUS ZANCLIROSTRIS* Gthr.

- Solenomormyrus** Bleeker, VIII, 368; orthotype *CENTRISCUS NILOTICUS* Bl. & Schn.

- Pararhynchobdella** Bleeker, VIII, 368; orthotype *RHYNCHOBDELLA MACULATA* Reinwardt.

- Polyacanthonotus** Bleeker, VIII, 368; orthotype *NOTACANTHUS RISSOANUS* Filippi & Verany.

- Gunnellops** Bleeker, VIII, 368; orthotype *GUNNELLUS ROSEUS* Cuv. & Val.

- Lycodalepis** Bleeker, VIII, 369; orthotype *LYCODES MUCOSUS* Rich.

- Paralycodes** Bleeker, VIII, 369; orthotype *LYCODES VARIEGATUS* Gthr.

- Acanthocephala** Bleeker, VIII, 369; orthotype *CEPOLA KRUSENSTERNI* Schlegel.

- Macuroplus** Bleeker, VIII, 369; orthotype *MACRURUS SERRATUS* Lowe.

- Paramacrurus** Bleeker, VIII, 370; orthotype *LEPIDOLEPRUS AUSTRALIS* Rich.

- Oxymacrurus** Bleeker, VIII, 370; orthotype *MACRURUS JAPONICUS* T. & S.

- Parabembras** Bleeker, VIII, 370; orthotype *BEMBRAS CURTUS* T. & S.

- Octogrammus** Bleeker, VIII, 370; orthotype "*LABRAX OCTOGRAMMUS* Schlegel" = *OCTOGRAMMUS PALLASI* Blkr. A synonym of *HEXAGRAMMOS* Steller.

- Parachætodon** Bleeker, VIII, 371; orthotype *CHÆTODON OLIGACANTHUS* Blkr.

1114. BLEEKER (1874). *Notice sur les genres Amblyeleotris, Valenciennesia et Brachyeleotris*. Versl. Akad. Amsterdam (2), VIII, 1874, 372-376.

PIETER BLEEKER.

- Amblyeleotris** Bleeker, VIII, 372; orthotype *ELEOTRIS PERIOPHTHALMUS* Blkr.

- Eleotrioides** Bleeker, VIII, 372; orthotype *E. CYANOSTIGMA* Blkr. Not *ELEOTRIODES* Blkr., 1857; a synonym of *BRACHYELEOTRIS* Blkr.

1115. BLEEKER (1874). *Esquisse d'un système naturel des Gobioides*. Arch. Néerl. Sci. Nat., IX, 1874, 289-331.

PIETER BLEEKER.

- Guavina** Bleeker, IX, 302; orthotype *ELEOTRIS GUAVINA* Cuv. & Val.

- Oxyeleotris** Bleeker, IX, 302; orthotype *ELEOTRIS MARMORATA* Blkr.

- Culius** Bleeker, IX, 303; orthotype *CULIUS FUSCUS* Blkr. = *ELEOTRIS NIGRA* Q. & G. A synonym of *ELEOTRIS* GRONOW.

- Belobranchus** Bleeker, IX, 304; orthotype *B. QUOYI* Blkr.

- Gymneleotris** Bleeker, IX, 304; orthotype *ELEOTRIS SEMINUDUS* Gthr.

- Butis** Bleeker, IX, 304; orthotype *CHEILODIPTERUS BUTIS* Ham.

- Gymnobutis** Bleeker, IX, 304; orthotype *ELEOTRIS GYMNOCEPHALUS* Steind.

- Prionobutis** Bleeker, IX, 305; orthotype *ELEOTRIS DASYRHYNCHUS* Gthr. A synonym of *BUTIS* Blkr.

- Odontobutis** Bleeker, IX, 305; orthotype *ELEOTRIS OBSCURA* T. & S.

Priolepis (Ehrenberg) Bleeker, IX, 305; orthotype *ASTERROPTERYX SEMIPUNCTATUS* Rüppell. A synonym of *ASTERROPTERYX* Rüppell, noted in passing.

Brachyeleotris Bleeker, IX, 306; orthotype *ELEOTRIS CYANOSTIGMA* Blkr.

Heteroeleotris Bleeker, IX, 306; orthotype *GOBIOUS DIADEMATUS* Rüppell.

Valenciennesia Bleeker, IX, 307; orthotype *ELEOTRIS STRIGATA* Blkr.

The names *VALENCIENNEA*, *VALENCIENNESIA*, and *ELEOTRIDES* have been confused by Bleeker. *VALENCIENNEA* appeared (1868) without diagnosis, with mention only of *ELEOTRIS HASSELI* Blkr. As this was a previously known species, the name may be regarded as established and the species in question as its type. Later in 1868 *VALENCIENNESIA* appears also without explanation, in connection with *ELEOTRIS STRIGATA* Blkr. Meanwhile, the name *ELEOTRIDES* had been given in 1857, in the same way, without diagnosis, to *ELEOTRIS SENGUTTATA* Cuv. & Val. In 1874 Bleeker makes *ELEOTRIDES* a synonym of *VALENCIENNESIA*, with *E. STRIGATA* as type, and still later in 1874, in his *Esquisse Général*, *ELEOTRIDES* appears as a separate genus, its type being specified as *ELEOTRIS HELSDINGENI* Blkr. Clearly Bleeker regarded these earlier names as names only, but as each of them refers to a species already known, they must have place in the system. That *VALENCIENNEA*, 1868 (*HASSELI*), is distinct from *ELEOTRIDES*, 1857 (*SENGUTTATA*), is quite probable.

Eleotriodes Bleeker IX, 307; orthotype *E. HELSDINGENI* Blkr. (not *ELEOTRIDES* Blkr., 1857).

Orthostomus (Kner) Bleeker, IX, 308; orthotype *GOBIOUS AMBLYOPINUS* Kner.

Oxymetopon Bleeker, IX, 308; orthotype *O. TYPUS* Blkr.

Pseudogobiodon Bleeker, IX, 309; orthotype *GOBIOUS CITRINUS* Rüppell.

Paragobiodon Bleeker, IX, 309; orthotype *GOBIOUS MELANOSOMA* Blkr. Replaces *RUPPELLIA* Sw., preoccupied.

Alepidogobius Bleeker, IX, 310; orthotype *GOBIOSOMA FASCIATUM* Playfair.

Gobiopterus Bleeker, IX, 311; orthotype *APOCRYPTES BRACHYPTERUS* Blkr.

Leptogobius Bleeker, IX, 311; orthotype *GOBIOUS OXYPTERUS* Blkr.

Triænopogon Bleeker, IX, 312; orthotype *TRILENOPHORICHTHYS BAREATUS* Gthr.

Sicydiops Bleeker, IX, 314; orthotype *SICYDIUM XANTHURUS* Blkr.

Microsicydium Bleeker, IX, 314; orthotype *SICYDIUM GYMNAUCHEN* Blkr.

Brachygobius Bleeker, IX, 315; orthotype *GOBIOUS DORLE* Gthr.

Callogobius Bleeker, IX, 315; orthotype *ELEOTRIS HASSELI* Blkr. A synonym of *VALENCIENNEA*.

Platygobius Bleeker, IX, 316; orthotype *GOBIOUS MACRORHYNCHUS* Blkr.

Mesogobius Bleeker, IX, 317; orthotype *GOBIOUS BATRACHOCEPHALUS* Pallas.

Stenogobius Bleeker, IX, 317; orthotype *GOBIOUS GYMNOPOMUS* Blkr.

Oligolepis Bleeker, IX, 318; orthotype *GOBIOUS MELANOSTIGMA* Blkr.

Gnatholepis Bleeker, IX, 318; orthotype *GOBIOUS ANJERENSIS* Blkr.

Hypogymnogobius Bleeker, IX, 318; orthotype *GOBIOUS XANTHOZONA* Blkr.

Hemigobius Bleeker, IX, 319; orthotype *GOBIOUS MELANURUS* Blkr.

Actinogobius Bleeker, IX, 319; orthotype *GOBIOUS OMMATURUS* Blkr.

Cephalogobius Bleeker, IX, 320; orthotype *GOBIOUS SUBLITUS* Cantor.

Centrogobius Bleeker, IX, 321; orthotype *GOBIOUS NOTACANTHUS* Blkr. Same as *OPLPOMUS* Steind., not *OPLPOMA* Grd.

Acentrogobius Bleeker, IX, 321; orthotype *GOBIOUS CHLOROSTIGMA* Blkr.

Porogobius Bleeker, IX, 321; orthotype *GOBIOUS SCHLEGELI* Gthr.

- Amblygobius** Bleeker, IX, 322; orthotype **Gobius sphinx** Blkr.
- Cryptocentrus** (Ehrenberg), Bleeker, IX, 322; orthotype **Gobius cryptocentrus** Cuv. & Val. Same as **Paragobius** Blkr.
- Zonogobius** Bleeker, IX, 323; orthotype **Gobius semifasciatus** Kner.
- Odontogobius** Bleeker, IX, 323; orthotype **Gobius bynoënsis** Blkr.
- Stigmatogobius** Bleeker, IX, 323; orthotype **Gobius pleurostigma** Blkr.
- Amblychæturichthys** Bleeker, IX, 324; orthotype **Chæturichthys hexanema** Blkr.
- Parachæturichthys** Bleeker, IX, 325; orthotype **Chæturichthys polynema** Blkr.
- Periophthalmodon** Bleeker, IX, 326; orthotype **Gobius schlosseri** Pallas = **Gobius barbarus** L. A synonym of **Periophthalmus** Bl. & Schn., as restricted by Gill, 1863.
- Apocryptodon** Bleeker, IX, 327; orthotype **Apocryptes madurensis** Blkr.
- Parapocryptes** Bleeker, IX, 327; orthotype **Apocryptes microlepis** Blkr.
- Gobileptes** (Swainson) Bleeker, IX, 327; type **Apocryptes bato** Cuv. & Val. The first assignment of type, but evidently not the species Swainson had in mind as **Gobileptes**.
- Pseudapocryptes** Bleeker, IX, 328; orthotype **Apocryptes lanceolatus** Cantor.
- Brachyamblyopus** Bleeker, IX, 329; orthotype **Amblyopus brachysoma** Blkr.
- Odontamblyopus** Bleeker, IX, 330; orthotype **Gobioides rubicundus** Ham.
- Trypauchenichthys** Bleeker, IX, 331; orthotype **T. typus** Blkr.; replaces **Ctenotrypauchen** Steind.
1116. BLEEKER (1874). *Révision des espèces d'Ambassis et de Parambassis de l'Inde archipélagique*. Nat. Verh. Holl. Maatsch. Wetensch., 3. ver., II, 1874, 83-106.
- PIETER BLEEKER.
- Parambassis** Bleeker, 102 (19, reprint); orthotype **Ambassis apogonides** Blkr.
1117. BLEEKER (1874). *Révision des espèces insul-indiennes de la famille des Synanceoides*. Nat. Verh. Holl. Maatsch. Wetensch., 3. ver., II, 1874, 1-22.
- PIETER BLEEKER.
- Synanchia** (Swainson) Bleeker, 11; orthotype **Synanceia erosa** Cuv. & Val. A synonym of **Erosa** Sw. **Synanchia** Sw. is plainly only a "wilful misprint" for **Synanceia**. In any case, **Erosa** occurs on an earlier page in the same work and was intended for the same species.
- Leptosynanceia** Bleeker, 17; orthotype **Synanchia astroblepa** Rich. In this paper Bleeker cancels his earlier genus **Synanceichthys** (**verrucosa**), regarding it as intergrading with **Synanceja** (**horrída**). But the two seem fairly separable. The earliest subdivision of **Synanceja**, that of Müller in 1843, leaves **verrucosa** as the type of **Synanceja**, **S. horrída** being set off as **Synancidium**. This arrangement apparently must stand. **Synanceichthys**, with **Spurco** (Commerson) and **Emmydrichthys** Jordan and Snyder, become synonyms of **Synanceja**.
1118. COPE (1874). *On Some Batrachians and Nematognathi Brought from the Upper Amazon by Prof. Orton*. Proc. Acad. Nat. Sci. Phila., 1874, 120-137.
- EDWARD DRINKER COPE.
- Dysichthys** Cope, 133; orthotype **D. coracoideus** Cope.
1119. COPE (1874). *On the Plagopterinæ and the Ichthyology of Utah*. Proc. Amer. Philos. Soc., XIV, 122-139.
- EDWARD DRINKER COPE.

- Plagopterus** Cope, 130; orthotype *P. ARGENTISSIMUS* Cope.
Lepidomeda Cope, 131; orthotype *L. VITTATA* Cope.
1120. COPE (1874). *Description of Some Species of Reptiles Obtained by Dr. John F. Bransford, Assistant Surgeon United States Navy, . . . Nicaragua*, etc. Proc. Acad. Nat. Sci. Phila., 1874, 64-72.
 EDWARD DRINKER COPE.
Protistius Cope, 66; orthotype *P. SEMOTILUS* Cope.
1121. COPE (1874). *Review of the Vertebrata of the Cretaceous Period Found West of the Mississippi River*. Bull. U. S. Geol. Surv. Terr., I.
 EDWARD DRINKER COPE.
Pelecorapis Cope, 39; orthotype *P. VARIUS* Cope (fossil).
Tetheodus Cope, 43; orthotype *T. PEPHREDO* Cope (fossil).
Sporetodus Cope, 47; orthotype *S. JANEVAII* Cope. A synonym of *PTYCHODUS* Ag.
1122. DYBOWSKI (1874). *Fische des Baikal-Wassersystemes*. Verh. K.-K. Zool.-Bot. Ges. Wien, XXIV.
 BENEDIKT IVAN DYBOWSKI
Leucichthys Dybowski, 390; logotype *SALMO OMUL* Pallas, nearly or quite identical with *ARGYROSOMUS* Ag., which is preoccupied and replaced by *THRISSEMIMUS* Gill.
1123. GILL (1874). *On the Identity of Esox lewini With the Dinolestes mülleri of Klunzinger*. Am. Mag. Nat. Hist., XIV.
 THEODORE GILL.
Gobiopus Gill, XIV, 159; orthotype not stated, a goby with the "first dorsal fin atrophied," as in *LUCIOGOBIUS* and *LEUCOPSARION*. Apparently a synonym of *LUCIOGOBIUS* Gill.
1124. GÜNTHER (1874). *Descriptions of New Species of Fishes in the British Museum*. Ann. Mag. Nat. Hist., 1874, XIV, 368-371; 453-475.
 ALBERT GÜNTHER.
Rhamphocottus Günther, 369; orthotype *R. RICHARDSONI* Gthr.
Gastromyzon Günther, 454, 453-475; orthotype *G. BORNEENSIS* Gth.
1125. HAAST (1874). *On Cheimarrichthys forsteri, a New Genus Belonging to the New Zealand Fresh-water Fishes*. Trans. New Zealand Instit., 1874, VI, 103-104.
 JOHANN FRANZ JULIUS VON HAAST.
Cheimarrichthys Haast, 103; orthotype *C. FORSTERI* Haast.
1126. JONES (1874). *A New Fish (Lefroyia bermudensis)*. Zoologist, 1874, II, 3837-3838.
 JOHN MATTHEW JONES.
Lefroyia Jones, 3837; orthotype *L. BERMUDENSIS* Jones. A synonym of *CARAPUS* Raf. (*FIERASFER* Cuv.).
1127. KESSLER (1874). *Pisces*. (In *Fedtschensko's Expedition to Turkestan*. Zoogeographical Researches.) Bull. Soc. Sci. Moscou, 1874, XI, 1-63.
 KARL THEODOROVICH KESSLER (1815-1881).

Pseudodon Kessler, XI, 40; orthotype *P. LONGICAUDA* Kessler; name preoccupied.
A synonym of *PARACOBITIS* Blkr., 1863.

Diplophysa Kessler, 57; logotype *D. STRAUCHI* Kessler.

1128. LÜTKEN (1874). *Siluridæ novæ Brasiliæ centralis a clarissimo J. Reinhardt in provincia Minas-Geraës circa oppidulum Lagoa Santa, præcique in flumine rio das Velhas, etc.* Overs Dansk. Vid. Selsk., Kjöbenhavn, 1874, 29-36.

CHRISTIAN FREDERIK LÜTKEN.

Leporellus Lütken, 129; orthotype *LEPORINUS PICTUS* Kner.

1129. LÜTKEN (1874). *Characinæ novæ Brasiliæ centralis a clarissimo J. Reinhardt in provincia Minas-Geraës circa oppidulum Lagoa Santa in lacu eiusdem nominis, flumine rio das Velhas, etc.* Oversigt Dansk. Vid. Forh. Kjöbenhavn, 1874 (1875), 127-143.

CHRISTIAN FREDERIK LÜTKEN.

Glanidium Lütken 31; orthotype *G. ALBESCENS* Lütken.

Bagropsis Lütken, 32; orthotype *B. REINHARDTI* Lütken.

1130. POEY (1874). *Monographie des poissons de Cuba compris dans la sous famille de Sparini.* Ann. Lyc. Nat. Hist. N. Y., X.

FELIPE POEY Y ALOY.

Grammateus Poey, 182; orthotype *PAGELLUS MICROPS* Guich. = *PAGELLUS PENNA* Cuv. & Val. A section under *CALAMUS* Sw.

1131. PROBST (1874). *Beitrag zur Kenntniss der fossilen Fische aus der Molasse von Baltringen.* Jahresb. Ver. Vaterl. Naturk. Württemberg, XXX.

JOSEF PROBST (1823-).

Sparoides Probst, XXX, 291; logotype *S. UMBONATUS* Probst (fossil).

1132. SAUVAGE (1874). *Notice sur les poissons tertiaires de l'Auvergne.* Bull. Soc. Hist. Nat. Toulouse, 1873-74, VIII, 171-198.

HENRI ÉMILE SAUVAGE.

Prolebias Sauvage, 187; logotype *P. GREGATUS* (Aymard) Sauvage (fossil).

Pachystetus (Aymard) Sauvage, 190; orthotype *LEBIAS AYMARDI* Sauvage = *PACHYSTETUS GREGATUS* Aymard MS. (noted in synonymy). A synonym of *PROLEBIAS* Sauvage.

1133. SAUVAGE (1874). *Notices Ichthyologiques.* Rev. Mag. Zool., 1874, II, 332-340.

HENRI ÉMILE SAUVAGE.

Oreias Sauvage, 334; orthotype *O. DABRYI* Sauvage. Apparently a synonym of *BARBATULA* Linck; same as *ORTHRIAS* Jordan & Fowler of later date.

Sinibarbus Sauvage, 335; orthotype *S. VITTATUS* Sauvage.

Doliichthys Sauvage, 336; orthotype *D. STELLATUS* Sauvage.

Lepidoblennius Sauvage, 337; orthotype *L. CALEDONICUS* Sauvage. Name preoccupied (Steindachner, 1867), replaced by *SAUVAGEA* Jordan and Sacle (1906).

Heteroleuciscus Sauvage, 339; orthotype *H. JULIENI* Sauvage.

1134. SAUVAGE (1874). *Révision des espèces du groupe des Épinoches.* Nouv. Arch. Mus., X, 5-32.

HENRI ÉMILE SAUVAGE.

- Gasterosteæ** Sauvage, 7; orthotype *GASTEROSTEUS PUNGITIUS* L. A synonym of *PYGOSTEUS* Brevôort (1861).
- Gastræa** Sauvage, 7; orthotype *GASTEROSTEUS SPINACHIA* L. A synonym of *SPINACHIA* Cuv.
1135. SAUVAGE (1874). *Étude sur les poissons du Lias supérieur de la Lozère et de la Bourgogne*. Rev. Sci. Nat., II.
HENRI ÉMILE SAUVAGE.
- Cephenoplosus** Sauvage, II, 428; orthotype *C. TYPUS* Sauvage (fossil). A synonym of *PACHYCORMUS* Ag.
1136. STEINDACHNER (1874). *Ichthyologische Beiträge*. I. Sitzb. Akad. Wiss. Wien, 1874, LXX, 1. Abth., 355-390.
FRANZ STEINDACHNER.
- Pikea** Steindachner, 375; orthotype *GRYSTES LUNULATUS* Guich.
- Hemianthias** Steindachner, 380; orthotype *ANTHIAS PERUANUS* Steind.
1137. TRAUTSCHOLD (1874). *Die Kalkbrüche von Mjatschkoeva, etc.* Nouv. Mem. Soc. Imp. Natur., XIII, Moscou.
HERMANN VON TRAUTSCHOLD (1817-1902).
- Solenodus** Trautschold, 293; orthotype *S. CRENULATUS* Trautschold.
- Octinaspis** Trautschold, pl. 28; orthotype *PETRODUS SIMPLICISSIMUS* Trautschold (fossil).
1138. WINKLER (1874). *Mémoire sur les dents de poissons du terrain bruxellien*. Arch. Mus. Teyler, Haarlem.
TIBERIUS CORNELIUS WINKLER.
- Plicodus** Winkler, III, 301; orthotype *GINGLYMOSTOMA THIELENSE* Noetling (fossil). A fossil homologue of *GINGLYMOSTOMA*.

 1875

1139. BLEEKER (1875). *Notice sur les Eleotriiformes et description de trois espèces nouvelles*. Arch. Néerl. Sci. Nat., X, 1875, 101-112.
PIETER BLEEKER.
- Pogoneleotris** Bleeker, 107; orthotype *ELEOTRIS HETEROLEPIS* Gthr.
1140. BLEEKER (1875). *Description du genre Parascorpiis et du son espèce-type*. Arch. Néerl. Sci. Nat., 1875, X, 380-382.
PIETER BLEEKER.
- Parascorpiis** Bleeker, 380; orthotype *P. TYPUS* Blkr.
1141. BLEEKER (1875). *Révision des Sicydiini et Latrunculi de l'Insulindes*. Versl. Acad. Amsterdam, IX.
PIETER BLEEKER.
- Leptogobius** Bleeker, 22; orthotype *GOBIOUS OXYPTERUS* Blkr. (See also No. 1115.)
1142. BLEEKER (1875). *Recherches sur la faune de Madagascar et de ses dépendances d'après les découvertes de François P. L. Pollen et D. C. van Dam*. 4^e Partie. *Poissons de Madagascar et de l'île de la Réunion*. Leiden.
PIETER BLEEKER.

Paracæsius Bleeker, 92; orthotype *CÆSIO XANTHURUS* Blkr.

Paracirrhites Bleeker, 93; orthotype *CIRRHITES FORSTERI* Bloch. A synonym of *CIRRHITUS* Lac.

1143. BLEEKER (1875). *Sur la famille des Pseudochromidoides et révision de ses espèces insulindiennes*. Verh. Akad. Amsterdam, XV, 1875, 1-32.

PIETER BLEEKER.

Paraplesiops Bleeker, 3; orthotype *PLESIOPS BLEEKERI* Gthr. Replaces *BLEECKERIA* Castelnau, 1873, preoccupied.

Pseudogramma Bleeker, 24; orthotype *P. POLYACANTHUS* Blkr.

1144. CASTELNAU (1875). *Researches on the Fishes of Australia*. Philadelphia Centennial Expedition of 1876. Official Record, etc., 1875.

FRANCIS LAPORTE DE CASTELNAU.

A carelessly prepared paper, as usual with Castelnau. I am under obligation to Mr. Allan R. McCulloch of the Australian Museum for the identification of these and other nominal genera proposed for Australian fishes, by Castelnau, De Vis and others.

Neoniphon Castelnau, 4; orthotype *N. ARMATUS* Castelnau.

Breviperca Castelnau, 6; orthotype *B. LINEATA* Castelnau.

Neomesoprión Castelnau, 8; orthotype *N. UNICOLOR* Castelnau. Apparently a synonym of *LUTIANUS* Bloch.

Aida Castelnau, 10; orthotype *A. INORNATA* Castelnau. A synonym of *MELANOTÆNIA* Gill.

Neolethrinus Castelnau, 11; orthotype *N. SIMILIS* Castelnau.

Neoblennius Castelnau, 11; orthotype *N. FASCIATUS* Castelnau.

Neosillago Castelnau, 16; orthotype *N. MARMORATA* Castelnau.

Pseudobatrachus Castelnau, 24; orthotype *BATRACHUS STRIATUS* Castelnau, perhaps identical with *BATRACHOMÆUS* Ogilby of later date.

Stenophus Castelnau, 27; orthotype *S. MARMORATUS* Castelnau.

Neogunellus Castelnau, 27; orthotype *N. SULCATUS* Castelnau. A synonym of *OPHICLINUS* Castelnau.

Dampieria Castelnau, 30; orthotype *D. LINEATA* Castelnau; replaces *CICHOLOPS* M. & T., preoccupied; same as *LABRACINUS* (Schlegel) Blkr., of slightly later date.

Neotherina Castelnau, 31; orthotype *N. AUSTRALIS* Castelnau. A synonym of *MELANOTÆNIA* Gill.

Torresia Castelnau, 36; orthotype *T. AUSTRALIS* Castelnau. A synonym of *CHÆRODON* Blkr.

Neoodax Castelnau, 37; orthotype *N. WATERHOUSEI* Castelnau. A synonym of *ODAX* Cuv.

Othos Castelnau, 43; orthotype *O. CEPHALOTES* Castelnau.

Neorhombus Castelnau, 43; orthotype *N. UNICOLOR* Castelnau.

Neoplotosus Castelnau, 45; orthotype *N. WATERHOUSEI* Castelnau.

Neoscopelus Castelnau, 46; orthotype *SCOPELUS CEPHALOTES* Castelnau; name preoccupied.

Blanchardia Castelnau, 47; orthotype *B. MACULATA* Castelnau. A synonym of *NOTOGRAPTUS* Gthr.

1145. COLLETT (1875). *Norges fiske, med bemærkninger om deres Udbredelse*. Christiania.

ROBERT COLLETT (1842-1913).

- Cottunculus** Collett, 20; orthotype *C. MICROPS* Collett.
Latrunculodes Collett, 60; orthotype *GobiUS NILSSONI* Düben & Koren.
1146. COPE (1875). *The Vertebrata of the Cretaceous Formations of the West*.
 Rept. U. S. Geol. Surv. Terr., 1875, II, 1-303.
 EDWARD DRINKER COPE.
- Syllæmus** Cope, 180; orthotype *S. LATIFRONS* Cope (fossil).
Isotænia Cope, 222; orthotype *I. NEOCESARIENSIS* Cope (fossil).
Pelecopterus Cope, II, 244; orthotype *ICHTHYODECTES PERNICIOSUS* Cope (fossil).
 A synonym of *PROTOSPHYRÆNA* Leidy.
Bryactinus Cope, 282; orthotype *B. AMORPHUS* Cope (fossil). A synonym of
EDAPHODON Leidy.
DiphriSSa Cope, 283; orthotype *ISCHYODUS SOLIDULUS* Cope (fossil). A synonym
 of *EDAPHADON*.
1147. COPE (1875). *On a New Genus (Osphyolax pellucidus) of Lophobranchiate
 Fishes*. Proc. Acad. Nat. Sci. Phila., 1875, 450.
 EDWARD DRINKER COPE.
- Osphyolax** Cope, 450; orthotype *O. PELLUCIDUS* Cope. Apparently a synonym of
NEROPHIS Raf.
1148. DAY (1875). *The Fishes of India*.
 FRANCIS DAY.
- Pseudosynanceia** Day, 163; orthotype *P. MELANOSTIGMA* Day.
1149. FRITSCH (1875). *Ueber die fauna der Gaskohle des Pilsner und Rakonitzer
 Beckens*. Sitzb. Königl. Böhm. Ges. Wiss. Prag.
 ANTON JAN FRITSCH (1832-1914).
- Osmerolepis** Fritsch, IX, 70; orthotype *O. RETICULATA* Fritsch (fossil).
1150. NEWBERRY (1875). *Descriptions of Fossil Fishes*. Rept. Geol. Surv.
 Ohio, 1875, II, pt. 2 (Palæontology), 1-64.
 JOHN STRONG NEWBERRY.
- Asterosteus** Newberry, 35; orthotype *A. STENOCEPHALUS* Newberry (fossil).
Acanthaspis Newberry, 36; orthotype *A. ARMATUS* Newberry.
Acantholepis Newberry, 38; orthotype *A. PUSTULOSUS* Newberry. Name preoccu-
 pied, replaced by *ECZEMATOLEPIS* Miller, 1892.
Platyodus Newberry, 58; orthotype *P. LINEATUS* Newberry.
Heliodus Newberry, 62; logotype *H. LESLEYI* Newberry (fossil). A synonym of
PALÆDAPHUS Van Beneden.
1151. PETERS (1875). *Ueber eine neue mit Halieutæa verwandte Fischgattung,
 Dibranchnus, aus dem atlantischen Ocean*, etc. Monatsb. Akad. Wiss. Berlin,
 1875 (1876), 736-742.
 WILHELM CARL HARTWIG PETERS.
- Dibranchnus** Peters, 736; orthotype *D. ATLANTICUS* Peters.
1152. POEY (1875). *Enumeratio piscium cubensium*. Anal. Soc. Española Hist. Nat.
 Madrid, 1875, IV, 75-161; V, 131-218 (1876).
 FELIPE POEY Y ALOY.
- Moharra** Poey, 124; orthotype *GERRES RHOMBEUS* Cuv. A section under *DIAPTERUS*
Ranzani.
Microgobius Poey, V, 168; orthotype *M. SIGNATUS* Poey.

1153. SAUVAGE (1875). *Note sur les poissons fossiles*. Bull. Soc. Géol. France, 1875, sér. 3, III, 631-642.

HENRI ÉMILE SAUVAGE.

Lepidocottus Sauvage, 637; orthotype *COTTUS ARIES* Ag. (fossil).

Paraperca Sauvage, 639; orthotype *P. PROVINCIALIS* Sauvage (fossil).

Trachinopsis Sauvage, 641; orthotype *T. IBERICA* Sauvage (fossil).

1154. ST. JOHN & WORTHEN (1875). *Description of Fossil Fishes*. Geol. Surv. Ill., 1875, VI, 245-488.

ORESTES H. ST. JOHN; A. H. WORTHEN.

Phœbodus St. John & Worthen, 251; orthotype *P. SOPHIE* St. John & Worthen (fossil).

Bathycheilodus St. John & Worthen, 252; orthotype *B. MACISAACSI* St. John & Worthen (fossil). A synonym of *PHÆBODUS* St. John & Worthen.

Lambdodus St. John & Worthen, 280; orthotype *L. COSTATUS* St. John & Worthen (fossil).

Hybocladodus St. John & Worthen, 284; orthotype *H. PLICATILIS* St. John & Worthen (fossil).

Thrinacodus St. John & Worthen, 289, orthotype *T. NANUS* St. John & Worthen (fossil).

Mesodmodus St. John & Worthen, 290 logotype *M. ENSCULPTUS* St. John & Worthen (fossil).

Agassizodus St. John & Worthen, 311; orthotype *LOPHODUS VARIABILIS* St. John & Worthen (fossil). Substitute for *LOPHODUS* Newberry & Worthen, pre-occupied. Both are synonyms of *CAMPODUS* Koninck, 1844.

Periplectrodus St. John & Worthen, 325; logotype *P. WARRENI* St. John & Worthen (fossil).

Stemmatodus St. John & Worthen, 330; logotype *S. CHEIRIFORMIS* St. John & Worthen (fossil). Name preoccupied, replaced by *STEMMATIAS* Hay, 1899.

Leiodus St. John & Worthen, 335; logotype *L. CALCARATUS* St. John & Worthen (fossil). Not *LEIODON* Sw.

Desmiodus St. John & Worthen, 341; orthotype *D. TUMIDUS* St. John & Worthen (fossil).

Venustodus St. John & Worthen, 344; orthotype *CHOMATODUS VENUSTUS* Leidy = *V. LEIDYI* St. John & Worthen (fossil).

Harpacodus St. John & Worthen, 354; orthotype *H. OCCIDENTALIS* St. John & Worthen.

Lisgodus St. John & Worthen, 363; logotype *L. CURTUS* St. John & Worthen (fossil). Perhaps a synonym of *PETALODUS*.

Tanaodus St. John & Worthen, 367; logotype *T. BELLICINCTUS* St. John & Worthen (fossil).

Calopodus St. John & Worthen, 403; orthotype; *C. APICALIS* St. John & Worthen (fossil).

Fissodus St. John & Worthen, 413; orthotype *F. BIFIDUS* St. John & Worthen (fossil).

Cholodus St. John & Worthen, 415; orthotype *C. INÆQUALIS* St. John & Worthen (fossil). Perhaps a synonym of *FISSODUS* St. John & Worthen.

Acondylacanthus St. John & Worthen, 432; logotype *A. GRACILIS* St. John & Worthen (fossil).

- Geisacanthus** St. John & Worthen, 440; orthotype *G. STELLATUS* St. John & Worthen (fossil). A synonym of *COSMACANTHUS* Ag.
- Bythiacanthus** St. John & Worthen, 444; orthotype *B. VANHORNEI* St. John & Worthen (fossil).
- Glymmatacanthus** St. John & Worthen, 446; orthotype *G. IRISHI* St. John & Worthen (fossil).
- Amacanthus** St. John & Worthen, 464; orthotype *HOMACANTHUS GIBBOSUS* Newberry & Worthen (fossil).
- Marracanthus** St. John & Worthen, 465; orthotype *HOMACANTHUS RECTUS* Newberry & Worthen (fossil).
- Batacanthus** St. John & Worthen, 468; orthotype *B. BACULIFORMIS* St. John & Worthen.
- Gampsacanthus** St. John & Worthen, 471; orthotype *G. TYPUS* St. John & Worthen (fossil).
- Lecracanthus** St. John & Worthen, 475; orthotype *L. UNGUICULUS* St. John & Worthen (fossil).

1155. SAUVAGE (1875). (*Poissons fossiles.*) Bibl. École des Hautes Études, XIII.

HENRI ÉMILE SAUVAGE.

- Heterothrissops**, Sauvage, 46; orthotype *H. INTERMEDIUS* Sauvage (fossil). A synonym of *EUTHYNOTUS* Wagner.
- Pseudothrissops** Sauvage, 46; orthotype *P. MICROPTERUS* Sauvage = *ESOX INCOGNITUS* Blainv. (fossil). A synonym of *EUTHYNOTUS*.

1156. STEINDACHNER (1875). *Beiträge der Kenntniss der Chromiden des Amazonenstromes.* Sitzb. Akad. Wiss. Wien, 1875, LXXI, 61-137.

FRANZ STEINDACHNER.

- Acaropsis** Steindachner, 99; orthotype *ACARA NASSA* Heckel.
- Crenicara** Steindachner, 99; orthotype *C. ELEGANS* Steind.
- Dicrossus** (Agassiz) Steindachner, 102; orthotype *D. MACULATUS* Steind.
- Saraca** Steindachner, 125; orthotype *S. OPERCULARIS* Steind.

1157. STEINDACHNER (1875). *Ueber eine neue Gattung und Art . . . aus der Familie der Pleuronectiden und über eine neue Thymallus-Art.* Sitzb. Akad. Wiss. Wien, 1875, LXX, 363-371.

FRANZ STEINDACHNER.

- Oncopterus** Steindachner, 365; orthotype *O. DARWINI* Steind.

1158. STEINDACHNER (1875). *Ichthyologische Beiträge.* II. Sitzb. Akad. Wiss. Wien.

FRANZ STEINDACHNER

- Neolabrus** Steindachner, 461; orthotype *N. FENESTRATUS* Steind.
- Atherinella** Steindachner, 477 (35, reprint); orthotype *A. PANAMENSIS* Steind.

1159. STEINDACHNER (1875). *Ichthyologische Beiträge.* III. Sitzb. Akad. Wiss. Wien, 1875 (June), LXXII, 29-96.

FRANZ STEINDACHNER.

- Parapsettus** Steindachner, 68 (50, reprint); orthotype *P. PANAMENSIS* Steind.
- Neoliparis** Steindachner, 72 (54, reprint); orthotype *LIPARIS MUCOSUS* Ayres.
- Atherinops** Steindachner, 89; (61, reprint); orthotype *ATHERINOPSIS AFFINIS* Ayres.
- Cottoperca** Steindachner, 69; orthotype *C. ROSENBERGI* Steind.

1160. TRAQUAIR (1875). *On Some Fossil Fishes from the Neighborhood of Edinburgh*. Ann. Mag. Nat. Hist., ser. 4, XV, 258-268.

RAMSAY HEATLEY TRAQUAIR.

- Nematoptychius* Traquair, 259; orthotype *PYGOPTERUS GREENOCKI* (Ag.) (fossil).
Wardichthys Traquair, 266; orthotype *W. CYCLOSOMA* Traquair (fossil).

1876.

1161. BLEEKER (1876). *Notice sur les genres *Gymnocæsius*, *Pterocæsius*, *Paracæsius* et *Liocæsius**. Versl. Med. Akad. Nat., 1876, 149-154.

PIETER BLEEKER.

Gymnocæsius Bleeker, 152; orthotype *CÆSIO GYMNOPTERUS* Blkr.

Pterocæsius Bleeker, 153; orthotype *CÆSIO MULTIRADIATUS* Steind.

Liocæsius Blkr., 153; orthotype *CÆSIO CYLINDRICUS* Blkr.

1162. BLEEKER (1876). *Sur la famille des *Pseudochromidoides* et révision de ses espèces insulindiennes*. Verh. Akad. Amsterdam, XV, 1-32.

PIETER BLEEKER.

Leptochromis Bleeker, 21; orthotype *PSEUDOCROMIS CYANOTÆNIA* Blkr.

1163. BLEEKER (1876). *Systema Percarum revisum*. Arch. Néerl. Sci. Nat., XI, 1876, Pars I, 247-288; Pars II, 289-340.

PIETER BLEEKER.

Phæthonichthys Bleeker, 256; orthotype *SERRANUS PHÆTON* Cuv., a fallacious specimen with the tail of a *FISTULARIA* fastened on the body of a *CEPHALOPHOLIS*. A synonym of *CEPHALOPHOLIS* (same as *URIPHÆTON* Sw.)

Percamia Bleeker, 260; orthotype *MICROPERCA YARRÆ* Castelnau, substitute for *MICROPERCA* Castelnau, preoccupied by *MICROPERCA* Putnam 1863.

Telescops Bleeker, 261; orthotype *POMATOMUS TELESCOPIUM* Risso. Substitute for *POMATOMUS* Cuvier, not of Lacépède. A synonym of *EPIGONUS* Raf.

Oxylabrax Bleeker, 264; orthotype *SCIÆNA UNDECIMALIS* Bloch. Name offered as a substitute for *CENTROPOMUS* Lac., as the first species named under *CENTROPOMUS* belongs to another genus.

Mesopristes Bleeker, 267; orthotype *M. MACRACANTHUS* Blkr. (Note in passing, a synonym of *DATNIA* Cuv.)

Paristiopterus Bleeker, 268; orthotype *RICHARDSONIA INSIGNIS* Castelnau = *HISTIOPTERUS LABIOSUS* Gthr. A substitute for *RICHARDSONIA* Castelnau, 1872, preoccupied.

Pseudopentaceros Bleeker, 270; orthotype *PENTACEROS RICHARDSONI* Smith. Replaces *GILCHRISTIA* Jordan.

Paradentex Bleeker, 278; orthotype *GYMNOCRANIUS RIVULATUS* Klunzinger. A synonym of *GYMNOCRANIUS* Klunzinger.

Paraconodon Bleeker, 272; orthotype *CONODON PACIFICI* Gthr.

Mænas (Klein) Bleeker, 273; orthotype *SPARUS MÆNA* L. = *MÆNA VULGARIS* Cuv. & Val. A synonym of *MÆNA* Cuv.

Hemilutjanus Bleeker, 277; orthotype *PLECTROPOMA MACROPHTHALMUS* Tschudi. This name is no doubt badly chosen, but it cannot be replaced by *POMODON* Boulenger, 1895.

Banjos Bleeker, 277; orthotype *ANOPLUS BANJOS* Richardson = *BANJOS TYPUS* Blkr. A substitute for *ANOPLUS* T. & S., preoccupied.

- Synagris** (Klein) Bleeker, 278; orthotype *DENTEX VULGARIS* Cuv. & Val. A synonym of *DENTEX* Cuv.
- Puntazzo** Bleeker, 284; orthotype *CHARAX PUNTAZZO* Cuv. & Val. = *P. ANNULARIS* Blkr. A substitute for *CHARAX* Risso, regarded as preoccupied by *CHARAX* Gronow (1763).
- Mænichthys** (Kaup) Bleeker, 291; orthotype *DITREMA TEMMINCKI* Blkr. (passing reference in synonymy). A synonym of *DITREMA* T. & S.
- Pseudambassis** Bleeker, 292; orthotype *CHANDA LALA* Ham.
- Therapaina** (Kaup) Bleeker, 298; orthotype *CHÆTODON STRIGATUS* Langsdorff (passing notice in synonymy). A synonym of *MICROCANTHUS* Sw.
- Helotosoma** (Kaup) Bleeker, 298; orthotype *H. SERVUS* Kaup, said to be *ATYPUS STRIGATUS* Gthr. A synonym of *ATYPICHTHYS* Gthr.
- Cæsiosoma** (Kaup, 1863) Bleeker, 299; orthotype *C. SIEBOLDI* Kaup = *SCORPIS ÆQUIPINNIS* Rich., said to be a synonym of *SCORPIS*.
- Tylometopon** (Van Beneden) Bleeker, 299; orthotype *BRAMA RAJII* Bl. & Schn. (passing notice in synonymy). A synonym of *BRAMA* Cuv.
- Hemitaurichthys** Bleeker, 304; orthotype *CHÆTODON POLYLEPIS* Blkr.
- Chelmonops** Bleeker, 304; orthotype *CHÆTODON TRUNCATUS* Kner.
- Tetragonoptus** (Klein) Bleeker, 305; orthotype *CHÆTODON STRIATUS* L. A synonym of *CHÆTODON* L. as understood.
- Chætodontops** Bleeker, 304; orthotype *CHÆTODON COLLARIS* Bloch.
- Lepidochætodon** Bleeker, 306; orthotype *CHÆTODON UNIMACULATUS* Bloch.
- Oxychætodon** Bleeker, 306; orthotype *CHÆTODON LINEOLATUS* Q. & G.
- Gonochætodon** Bleeker, 306; orthotype *CHÆTODON TRIANGULUM* Kuhl & Van Hasselt.
- Chætodontoplus** Bleeker, 307; orthotype *HOLACANTHUS SEPTENTRIONALIS* T. & S.
- Acanthochætodon** Bleeker, 308; orthotype *HOLACANTHUS ANNULARIS* Lac.
- Amblytoxotes** Bleeker, 311; orthotype *TOXOTES SQUAMOSUS* Hutton.
- Labracinus** (Schlegel) Bleeker, 320; orthotype *CICHLÖPS CYCLOPIHTHALMUS* M. & T. Same as *CICHLÖPS* M. & T., preoccupied. Passing notice in synonymy. A synonym of *DAMPIERIA* Castelnau, 1875.
- Pteronemus** (Van der Hoeven) Bleeker, 315; orthotype *CHEILODACTYLUS FASCIA-TUS* Lac.) (notice in synonymy). A synonym of *CHEILODACTYLUS* Lac.
- Cirrihiptera** (Kuhl & Van Hasselt) Bleeker, 322; (orthotype *PLESIOPS NIGRICANS* Rüppell) (note in synonymy). A synonym of *PLESIOPS* Cuv.
- Larimodon** (Kaup MS., 1862) Bleeker, 329; orthotype *CORVINA DENTEX* Cuv. & Val. (misprinted *LAMNODON* in a later paper). A synonym of *ODONTOSCION* Gill.
- Paraplesiops** Bleeker, 332; orthotype *PLESIOPS BLEEKERI* Gthr.
- Brachymullus** Bleeker, 333; orthotype *UPENEUS TETRASPILUS* Gthr.
- Paraplesiichthys** (Kaup, 1862) Bleeker, 335; orthotype *ANCYLODON PARVIPINNIS* Gill (note in synonymy). A synonym of *ISOPISTHUS* Gill.
- Bogota** (Blyth) Bleeker, 336; passing reference. A synonym of *PRACANTHUS* Cuv.
- Macrocephalus** (Browne) Bleeker, 336; orthotype *SCIÆNA UNDECIMALIS* Bloch. A substitute for *CENTROPOMUS* Lac. and *OXYLABRAX* Blkr. on the supposition that the names in the reprint of Browne's *Jamaica*, 1789, would be allowed as eligible.

1164. BLEEKER (1876). *Description de quelques espèces insulindiennes inédites des genres Oxyurichthys, Paroxyurichthys et Cryptocentrus*. Verh. Akad. Amsterdam (2) IX, 1876, 138-148.

Paroxyurichthys Bleeker, 140; orthotype *P. TYPUS* Blkr.

1165. BLEEKER (1876). *Genera familiae Scorpaenoidorum conspectus analyticus*. Versl. Akad. Amsterdam (2) IX, 1876, 294-300.

PIETER BLEEKER.

Parascorpæna Bleeker, 296; orthotype *SCORPÆNA PICTA* Kuhl & Van Hasselt.

Parapterois Bleeker, 296; orthotype *PTEROIS HETERURUS* Blkr.

Paracentropogon Bleeker, 297; orthotype *APISTUS LONGISPINIS* Cuv. & Val. Prob. ably to be regarded as a synonym of *HYPODYTES* Gistel.

Pseudopterus (Klein) Bleeker, 296; orthotype (after Klein) *GASTEROSTEUS VOLITANS* L. A synonym of *PTEROIS* Cuv.

Amblyapistus Bleeker, 297; orthotype *APISTUS TÆNIANOTUS* Cuv. & Val.

Pteroidichthys Bleeker, 297; orthotype *P. AMBOINENSIS* Blkr.

Cottapistus Bleeker, 298; orthotype *APISTUS COTTOIDES* Cuv. & Val.

Paraploactis Bleeker, 300; orthotype *P. TRACHYDERMA* Blkr.

1166. BLEEKER (1876). *Notice sur les genres et les espèces des Chatodontoides de la sous-famille des Taurichthyiformes*. Versl. Akad. Amsterdam (2) X, 308-320.

PIETER BLEEKER.

Hemichætodon Bleeker, 313; orthotype *CHÆTODON CAPISTRATUS* Bloch.

1167. BLEEKER (1876). *Description de quelques espèces inédites de Pomacentroides de l'Inde Archipélagique*. Versl. Akad. Amsterdam.

PIETER BLEEKER.

Paraglyphidodon Bleeker, XII, 38; orthotype *P. OXYCEPHALUS* Blkr.

1168. CASTELNAU (1876). *Mémoire sur les poissons appelés barramundi par les aborigènes du nord-est de l'Australie*. Journ. Zool. (Gervais), 1876, V, 129-136.

FRANCIS L. CASTELNAU.

Neoceratodus Castelnau, 132; orthotype *N. BLANCHARDI* Castelnau. Prof. W. Baldwin Spencer of the University of Melbourne regards *NEOCERATODUS BLANCHARDI* as an unknown or perhaps fictitious fish, not to be identified with the Dipneustan, *CERATODUS FORSTERI* Krefft, which is the type of the genus *EPICERATODUS* Teller. Mr. McCulloch, however, thinks that *EPICERATODUS* is a synonym of *NEOCERATODUS*, Castelnau's account being an inaccurate description of the same fish. *NEOCERATODUS BLANCHARDI* is said to come from Fitzroy River, where the *FORSTERI* does not exist. According to Professor Spencer, the name *BARRAMUNDA* or *BARRAMUNDI*, used by Castelnau, belongs to the Serranoid fish *SCLEROPAGES LEICHARDTI*, a valuable foodfish, which *EPICERATODUS* is not.

1169. COPE & YARROW (1876). *Report on the Collections of Fishes Made in Portions of Nevada, etc., in 1871-1874, by Prof. E. D. Cope and Dr. H. C. Yarrow*. Wheeler's Survey West of 100th Meridian, VI, Zoölogy.

EDWARD DRINKER COPE; HENRY CRÉCY YARROW.

Eritrema Cope, 645; orthotype *APOCOPE HENSHAVII* Cope. A synonym of *APOCOPE* Cope.

Pantosteus Cope, 673; orthotype *MINOMUS PLATYRHYNCHUS* Cope.

1170. COPE (1876). *On a New Genus of Fossil Fishes (Cyclotomodon vagrans)*.
Proc. Acad. Nat. Sci. Phila., 1876, V, 356-357.

EDWARD DRINKER COPE.

Cyclotomodon Cope, 355; orthotype *C. VAGRANS* Cope (fossil).

1171. COPE (1876). *Description of Some Vertebrate Remains from the Fort Union Beds of Montana*. Proc. Acad. Nat. Sci. Phila., 1876.

EDWARD DRINKER COPE.

Hedronchus Cope, 259; orthotype *H. STERNBERGI* Cope. A tooth, perhaps not of a fish.

Myledaphus Cope, 260; orthotype *M. BIPARTITUS* Cope.

1172. DAVIS (1876). *On a Bone Bed in the Lower Coal Measures, etc.* Quart. Journ. Geol. Soc., XXXII, 332-340.

JAMES WILLIAM DAVIS (1846-1893).

Hoplonchus Davis, XXXII, 336; orthotype *H. ELEGANS* Davis (fossil).

1173. DAY (1876). *The Fishes of India*. (Part 2.)

FRANCIS DAY.

Apocryptichthys Day, 302; orthotype *APOCRYPTES CANTORIS* Day.

Nangra Day, 494; orthotype *N. PUNCTATA* Day.

1174. EGERTON (1876). *Notice of Harpactes velox, a Predaceous Ganoid Fish . . . from the Lias of Lyme Regis*. Geol. Mag.

PHILIP DE MALPAS GREY EGERTON.

Harpactes Egerton, 441; orthotype *HARPACTES VELOX* Egerton (fossil). Name preoccupied, later replaced by *HARPACTIRA* Egert.; a synonym of *OSTEORACHIS* Egert.

Harpactira Egerton, 576; orthotype *H. VELOX* Egert. = *OSTEORACHIS MACROCEPHALUS* Egert. (fossil). Name a substitute for *HARPACTES*, preoccupied; a synonym of *OSTEORACHIS* Egert.

1175. GOODE (1876). *Catalogue of the Fishes of the Bermudas, etc.* Bull. U. S. Nat. Mus., V.

GEORGE BROWN GOODE (1851-1896).

Pareques (Gill) Goode, 50; orthotype *GRAMMISTES ACUMINATUS* Bl. & Schn.

1176. GÜNTHER (1876). *Remarks on Fishes, With Descriptions of New Fishes in the British Museum, Chiefly from Southern Seas*. Ann. Mag. Nat. Hist., 1876, ser. 4, XVII, 389-472.

ALBERT GÜNTHER.

Holoxenus Günther, 393; orthotype *H. CUTANEUS* Gthr. A synonym of *GNATHANCANTHUS* Blkr.

Neophrynichthys Günther, 396; orthotype *PSYCHROLUTES LATUS* Hutton.

1177. GÜNTHER (1876). *Contributions to Our Knowledge of the Fish-Fauna of the Tertiary Deposits of the Highlands of Pedang, Sumatra*. Geol. Mag., 1876, II, dec. 3, 433-440.

ALBERT GÜNTHER.

Hexapsephus Günther, 439; orthotype *H. GUENTHERI* Woodw. (fossil).

1178. JORDAN (1876). *Concerning the Fishes of the Ichthyologia Ohiensis*. Bull. Buffalo Soc. Nat. Hist., 1876, 91-97.

DAVID STARR JORDAN (1851-).

Erimyzon Jordan, 95; orthotype *CYPRINUS OBLONGUS* Mitchell.

1179. JORDAN (1876). *Manual of the Vertebrates of the Northern United States, Including the District East of the Mississippi River and North of North Carolina and Tennessee, Exclusive of Marine Species.*

DAVID STARR JORDAN.

Eutyachelithus Jordan, 242; orthotype *CORVINA RICHARDSONI* Cuv. & Val., a deformed example of *APLODINOTUS GRUNNIENS* (Raf.) A synonym of *APLODINOTUS* Raf.

Eucalia Jordan, 248; orthotype *GASTEROSTEUS INCONSTANS* Kirtland. (Also in *Proc. Acad. Nat. Sci. Phila.*, 1877, 65.)

Erinemus Jordan, 279; orthotype *CERATICHTHYS HYALINUS* Cope = *RUTILUS AMBLOPS* Raf. A synonym of *HYBOPSIS* Ag.

Lythrurus Jordan, 272; orthotype "SEMOTILUS DIPLEMUS Raf." = *ALBURNUS UMBRATILIS* Grd. = *NOTROPIS LYTHRURUS* Jordan. *S. DIPLEMUS* Raf. is something different.

1180. KESSLER (1876). *Description of Fishes Collected by Col. Prejevalsky in Mongolia.* (Text in Russian.) (In *Prejevalsky, N. Mongolia i Strana Tangutov.* II, pt. 4, 1-36.)

KARL THEODOROVICH KESSLER.

Megagobio Kessler, 16; orthotype *M. NASUTUS* Kessler.

1181. NELSON (1876). *A Partial Catalogue of the Fishes of Illinois.* Bull. Ill. Mus. Nat. Hist., 1876, I, 33-52.

EDWARD WILLIAM NELSON (1855-).

Sternotremia Nelson, 39; orthotype *S. ISOLEPIS* Nelson, the young of *APHREDODERUS SAYANUS*, the vent farther back. A synonym of *APHREDODERUS* Le Sueur.

1182. MARCK (1876). *Fossile Fische von Sumatra.* Palæontologia, XXII.

W. VON DER MARCK.

Protosyngnathus von der Marck, XXII, 406; orthotype *P. SUMATRENSIS* Marck (fossil). A fossil homologue of *AULORHYNCHUS* Gill.

1183. OWEN (1876). *Catalogue of Fossils.* Report on South Africa.

RICHARD OWEN.

Hypterus Owen, IX, orthotype *H. BAINI* Owen (fossil). Names only; quoted by Woodward, 1891, as a synonym of *ATHERSTONIA* Woodw., 1889.

1184. PETERS (1876). *Uebersicht der während der von 1874 bis 1876 unter der Commando des Hrn. Capitän z. S. Freiherrn von Schleinitz ausgeführten Reise S. M. S. Gazelle . . . Fische.* Monatsb. Akad. Wiss. Berlin, 1876, 831-854.

WILHELM CARL HARTWIG PETERS.

Idiacanthus Peters, 846; orthotype *I. FASCIOLA* Peters.

Stigmatonotus Peters, 838; orthotype *S. AUSTRALIS* Peters.

1185. STEINDACHNER (1876). *Die Süßwasser Fische der Südöstlichen Brasilien.* III. Sitzb. Akad. Wiss. Wien, LXXIV, November, 1876.

FRANZ STEINDACHNER.

Wertheimeria Steindachner, 660 (101, reprint); orthotype *W. MACULATA* Steind.

Harttia Steindachner, 668 (110, reprint); orthotype *H. LORICARIFORMIS* Steind.

1186. STEINDACHNER (1876). *Ichthyologische Beiträge*. V. Sitzb. Akad. Wiss. Wien, 1876, LXXIV, 49-240.

FRANZ STEINDACHNER.

Hippoglossina Steindachner, 61 (13, reprint); orthotype *H. MACROPS* Steind.

Curimatopsis Steindachner, 81; orthotype *CURIMATUS MICROLEPIS* Steind.

Lutkenia Steindachner, 85; orthotype *L. INSIGNIS* Steind. Name preoccupied; replaced by *STICHANODON* Eigenmann, 1903.

Paragoniates Steindachner, 117 (69, reprint); orthotype *P. ALBURNUS* Steind.

Pimelodina Steindachner, 149 (101, reprint); orthotype *P. FLAVIPINNIS* Steind.

Lophiosilurus Steindachner, 155 (106, reprint); orthotype *L. ALEXANDRI* Steind.

Achiropsis Steindachner, 158 (110, reprint); orthotype *SOLEA NATTERERI* Steind.

Cynolebias Steindachner, 172 (124, reprint); orthotype *C. POROSUS* Steind.

Siphagonus Steindachner, 188 (140, reprint); orthotype *AGONUS SEGALIENSIS* Tilesius. A synonym of *BRACHYOPSIS* Gill.

Blakea Steindachner, 196 (148, reprint); orthotype *MYNODES ELEGANS* Cooper. A synonym of *GIBBONSIA* Cooper.

Bembrops Steindachner, 211 (163, reprint); orthotype *B. CAUDIMACULA* Steind.

1877

1187-1188. ALLEYNE & MACLEAY (1877). *The Ichthyology of the Chevert Expedition*. Proc. Linn. Soc. New S. Wales, 1877, 261-268; 321-359.

HAYNES GIBBES ALLEYNE; WILLIAM MACLEAY.

Pseudolates Alleyne & Macleay, 262; orthotype *P. CAVIFRONS* Alleyne & Macleay = *HOLOCENTRUS CALCARIFER* Bloch. A synonym of *LATES* Cuv.

Homalogrystes Alleyne & Macleay, 268; orthotype *H. GUENTHERI* Alleyne & Macleay. A synonym of *ACANTHOCHROMIS* Gill.

Gerreomorpha Alleyne & Macleay, 274; orthotype *G. ROSTRATA* Alleyne & Macleay.

Heptadecacanthus Alleyne & Macleay, 343; orthotype *H. LONGICAUDUS* Alleyne & Macleay. A synonym of *ACANTHOCHROMIS* Gill.

Cheilolabrus Alleyne & Macleay, 345; orthotype *C. MAGNILAERUS* Alleyne & Macleay. A synonym of *THALLIURUS* Sw. = *HEMIGYMNUS* Gthr.

1189. BLEEKER (1877). *Notice sur les espèces nominales de Pomacentroïdes de l'Inde archipélagique*. Arch. Néerl. Sci. Nat., XII, 1877, 38-41.

PIETER BLEEKER.

Glyphidodontops Bleeker, 41; orthotype *GLYPHIDODON ANTJERIUS* Blkr. A synonym of *CHRYSIPTERA* Sw.

1190. BLEEKER (1877). *Mémoire sur les Chromides marins ou Pomacentroïdes de l'Inde archipélagique*. Nat. Verh. Holl. Maatsch. Wetensch. 3 Verz. II, 1877, 1-166.

PIETER BLEEKER.

Parapomacentrus Bleeker, 65; orthotype *POMACENTRUS POLYNEMA* Blkr.

Amblypomacentrus Bleeker, 68; orthotype *POMACENTRUS BREVICEPS* Blkr.

Eupomacentrus Bleeker, 73; orthotype *POMACENTRUS LIVIDUS* Blkr.

Brachypomacentrus Bleeker, 73; orthotype *POMACENTRUS ALBIFASCIATUS* Blkr.

1191. CASTELNAU (1877). *Australian Fishes. New or Little Known Species.*
Proc. Linn. Soc. New S. Wales, 1877, II, 225-248.
FRANCIS LAPORTE CASTELNAU.
Brisbania Castelnau, 241; orthotype *B. STAIGERI* Castelnau.
Neosilurus Castelnau, 238; orthotype *N. AUSTRALIS* Castelnau. Name preoccupied,
replaced by *CAINOSILURUS* Macleay.
Neoarius Castelnau, 237; orthotype *ARIUS CURTISI* Castelnau.
Beridia Castelnau, 229; orthotype *B. FLAVA* Castelnau. A synonym of *GNATHANACANTHUS* Blkr.
1192. COPE (1877). *On Some New and Little Known Reptiles and Fishes from the Austroriparian Region.* Proc. Amer. Philos. Soc., XVII.
EDWARD DRINKER COPE.
Xystroplites (Jordan) Cope, 67; orthotype *X. LONGIMANUS* Cope = *POMOTIS HOLBROOKI* Cuv. & Val. (In this case Cope suppressed his own proposed generic name in favor of one given almost simultaneously by Jordan.) Jordan's type, *X. GILLII*, seems to be the same as *POMOTIS PALLIDUS* Ag.
1193. COPE (1877). *Report on the Geology of the Region of the Judith River, Montana, etc.* Bull. U. S. Geol. Surv., III.
EDWARD DRINKER COPE.
Anogmius Cope, 584; orthotype *A. ARATUS* Cope, not *ANOGMIUS* Cope, 1871.
Pelycorapis Cope, 587; orthotype *P. VARIUS* Cope (fossil).
1194. COPE (1877). *Contribution to the Knowledge of the Ichthyological Fauna of the Green River Shales.* Bull. U. S. Geog. Surv. Terr., 1877, III, 807-819.
EDWARD DRINKER COPE.
Dapedoglossus Cope, 807; orthotype *D. TESTIS* Cope (fossil). A synonym of *PHAREODUS* Leidy.
Amphiplaga Cope, 812; orthotype *A. BRACHYPTERA* Cope (fossil).
Mioplosus Cope, 813; orthotype *M. LABRACOIDES* Cope (fossil).
Priscacara Cope, 816; orthotype *P. SERRATA* Cope (fossil).
1195. COPE (1877). *Notice of a New Locality of the Green River Shales Containing Fishes, Insects, and Plants in a Good State of Preservation.* Pal. Bull., XXV.
EDWARD DRINKER COPE.
Diplomystus Cope, 139; orthotype *D. DENTATUS* (fossil). Name regarded as preoccupied by *DIPLOMYSTES* Gthr., replaced by *COPEICHTHYS* Dollo.
1196. COPE (1877). *Descriptions of Extinct Vertebrates from the Permian and Triassic Formations of the United States.* Proc. Amer. Philos. Soc., XVII.
EDWARD DRINKER COPE.
Strigilina Cope, 182; orthotype *JANASSA GURLEIANA* Cope (fossil). A synonym of *JANASSA*.
1197. COPE (1877). *On Some New or Little Known Reptiles and Fishes of the Cretaceous, No. 3, of Kansas.* Proc. Amer. Philos. Soc., XVII.
EDWARD DRINKER COPE.
Oricardinus Cope, 177; orthotype *O. TORTUS* Cope (fossil).
Ptyonodus Cope, 192; orthotype *SAGENODUS VINSLOVI* Cope (fossil). A synonym of *SAGENODUS* Owen.

1198. CORNUEL (1877). *Description de débris de poissons fossiles . . . du calcaire neocomien . . . Haute Marne.* Bull. Géol. Soc. France.
J. CORNUEL.

Ellipsodus Cornuel, 617; orthotype *E. INCISUS* Cornuel (fossil).

1199. DYBOWSKI (1877). (*Fishes.*)
BENEDIKT IVAN DYBOWSKI.

(I have failed to find the work in which these Siberian fishes are described.)

Pristiodon Dybowski, VIII, 26; orthotype *P. SIEMONOVI* Dybowski = *LEUCISCUS IDELLA* Val. A synonym of *CTENOPHARYNGODON* Steind.

Perccottus Dybowski, VIII, 28; orthotype *P. GLENI* Dybowski (a goby; allied to *Gobiomorus* Lac.)

1200. FRITSCH (1877). *Die Reptilien und Fische der Böhmischen Kreideformation.* Prag.

ANTON JAN FRITSCH.

Sphærolepis Fritsch, 46; orthotype *S. KOUNOVIENSIS* Fritsch (fossil).

1201. GARMAN (1877). *On the Pelvis and External Sexual Organs of Selachians, With Especial Reference to the New Genera Potamotrygon and Disceus.* Proc. Boston Soc. Nat. Hist., 1877, XIX, 197-215.

SAMUEL GARMAN (1846-).

Malacorchina Garman, 203; orthotype *RAJA MIRA* Garman.

Disceus Garman, 208; orthotype *TRYGON STRONGYLOPTERUS* Schomburgk.

Potamotrygon Garman, 210; orthotype *TRYGON HYSTRIX* M. & H.

1202. GILL (1877). *Synopsis of the Fishes of Lake Nicaragua.* Proc. Acad. Nat. Sci. Phila., 1877, 175-218.

THEODORE N. GILL.

Bramocharax Gill, 189; orthotype *B. BRANSFORDI* Gill.

1203. GILL (1877). *Annual Record of Industry and Science for 1876.*

THEODORE GILL.

Lycichthys Gill, CLXVII; orthotype *ANARRHICHAS LATIFRONS* Steenstrup & Hallgrímsson.

1204. GILL & JORDAN (1877). (*The Sun-fish.*) Field & Forest, 1877, 190.

THEODORE GILL; DAVID STARR JORDAN.

Eupomotis Gill & Jordan, 190; orthotype *SPARUS AUREUS* Walbaum = *LABRUS GIBBOSUS* L.

1205. GÜNTHER (1877). *Preliminary Notes on New Fishes Collected in Japan During the Expedition of H.M.S. Challenger.* Ann. Mag. Nat. Hist., ser. 4, XX, 433-446.

ALBERT GÜNTHER.

Bathytrissa Günther, 443; orthotype *B. DORSALIS* Gthr. A synonym of *PTEROTHRISUS* Hilgendorf a little earlier in the same year.

1206. HILGENDORF (1877). (*Pterothrissus.*) Act. Soc. Leopoldina, III, Sept. 3, 1877.

FRANZ MARTIN HILGENDORF (1839-189?).

Pterothrissus Hilgendorf, 127 (Sept. 3, 1877); orthotype *P. gissu* Hilgendorf; replaces *BATHYTHRISSE* Gthr. (Nov. 1, 1877).

1207. JORDAN (1877). *On the Fishes of Northern Indiana*. Proc. Acad. Nat. Sci. Phila., 1877, 42-82.

DAVID STARR JORDAN.

Imostoma Jordan, 49; orthotype *HADROPTERUS SHUMARDI* Grd.

Copelandia Jordan, 56; orthotype *C. ERIARCHA* Jordan, an abnormal variant of *ENNEACANTHUS GLORIOSUS* (Holbrook). A synonym of *ENNEACANTHUS* Gill, based on an aberrant specimen. Also in *Bull. Buffalo Soc. Nat. Hist.*, 1877, 136.

Xenotis Jordan, 76; orthotype *POMOTIS FALLAX* Baird & Girard. A section under *LEPOMIS* Raf.

1208. JORDAN (1877). *A Partial Synopsis of the Fishes of Upper Georgia*. Ann. Lyc. N. Y., XI, 307-377.

DAVID STARR JORDAN.

Xenisma Jordan, 322; orthotype *HYDRARGYRA CATENATA* Ag. A subgenus under *FUNDULUS*.

Helioperca Jordan, 355; orthotype *POMOTIS INCISOR* Cuv. & Val. = *LABRUS PALLIDUS* Mitchill. A section under *LEPOMIS*.

1209. JORDAN (1877). *Notes on Cottidae, Etheostomatidae, Percidae, Centrachidae, Aphododeridae, Dorysomatidae, and Cyprinidae, with Revisions of the Genera and Descriptions of New or Little Known Species*. Bull. U. S. Nat. Mus., 1877, X, 1-68.

DAVID STARR JORDAN.

Ammocrypta Jordan, 5; orthotype *A. BEANI* Jordan.

Nanostoma (Putnam) Jordan, 6; orthotype *PECILICHTHYS ZONALIS* Cope; regarded as preoccupied by *NANNOSTOMUS* Gthr.; replaced by *RHOTHÆCA* Jordan.

Ericosma Jordan & Copeland, 8; orthotype *ALVORDIUS EVIDES* Jordan & Copeland. A section under *HADROPTERUS* Ag.

Rheocrypta Jordan, 9; orthotype *R. COPELANDI* Jordan. A section under *COTTOGASTER* Putnam (1863).

Xystroplites Jordan, 24; orthotype *X. GILLI* Jordan. A section under *EUPOMOTIS* Gill & Jordan. (See No. 1192.)

Cynoperca Gill & Jordan, 44; orthotype *LUCIOPERCA CANADENSIS* C. H. Smith.

Mimoperca (Gill & Jordan) Jordan, 44; orthotype *PERCA VOLGENSIS* Pallas. A synonym of *SCHILUS* Krynicki (1832).

Elassoma Jordan, 50; orthotype *E. ZONATA* Jordan. Name (from ελασσώμα, a diminution) wrongly expanded to *ELASSOSOMA* in the *Zoological Record* for 1878.

Asternotremia (Nelson) Jordan, 51; orthotype *STERNOTREMIA ISOLEPIS* Nelson. A needless substitute name for *STERNOTREMIA* Nelson, thought to be anatomically not exact. A synonym of *APHREDODERUS* Le Sueur.

Episema Cope & Jordan, 64; orthotype *PHOTOGENIS SCABRICEPS* Cope. Name preoccupied, replaced by *PARANOTROPIS* Fowler.

Elattonistius Gill & Jordan, 67; orthotype *HYODON CHRYSOPSIS* Rich. = *AMPHIODON ALOSIDES* Raf. A synonym of *AMPHIODON* Raf.

1210. JORDAN (1877). *Catalogue of Fishes of Ohio*. (In J. H. Klippart's *Report of the Fish Commission of Ohio for 1876*. Appendix (1877).

DAVID STARR JORDAN.

Erichæta Jordan, 147; orthotype *POMOTIS INCISOR* Cuv. & Val. A slip for *HELIOPERCA* due to uncorrected proof. A section under *LEPOMIS*.

1211. JORDAN & BRAYTON (1877). *On Lagochila, a New Genus of Catostomid Fishes*. Proc. Acad. Nat. Sci. Phila., 1877, 280-283.

DAVID STARR JORDAN; ALEMBERT WINTHROP BRAYTON (1849-).

Lagochila Jordan & Brayton, 280; orthotype *L. LACERA* Jordan & Brayton. Name regarded as preoccupied by *LAGOCHEILUS*; replaced by *QUASSILABIA* Jordan & Brayton.

1212. KESSLER (1877). *The Aralo-Caspian Expedition*. IV. *Fishes of the Aralo-Caspio-Pontine Region*. Trans. St. Petersburg Nat. Hist. Soc.

KARL THEODOROVICH KESSLER (1815-1881).

Clupeonella Kessler, 187; orthotype *C. GRIMMI* Kessler.

1213. LEIDY (1877). *Descriptions of Vertebrate Remains Chiefly from the Phosphate Beds of South Carolina*. Journ. Acad. Nat. Sci. Phila., VIII.

JOSEPH LEIDY.

Mesobatis Leidy, 244; orthotype *AËTOBATIS EXIMIUS* Leidy (fossil). A synonym or homologue of *AËTOBATIS*.

Gryphodobatis Leidy, 249; orthotype *G. UNCUS* Leidy (fossil).

Acrodobatis Leidy, 250; orthotype *A. SERRA* Leidy (fossil). A homologue of *GINGLYMOSTOMA* M. & H.

Xiphodolamia Leidy, 252; orthotype *X. ENSIS* Leidy (fossil).

1214. MALM (1877). *Göteborgs och Bohusläns fauna*. Rygggradsdjuren.

AUGUST WILHELM MALM (1821-1882).

Æglefinus Malm, 481; orthotype *GADUS ÆGLEFINUS* L. = *ÆGLEFINUS* LINNÆI Malm. A synonym of *MELANOGRAMMUS* Gill.

Amblyraja Malm, 607; orthotype *RAJA RADIATA* Donovan.

Leucoraja Malm, 609; orthotype *RAJA FULLONICA* L.

1215. MARSH (1877). *Introduction and Succession of Vertebrate Life in America*. Amer. Journ. Sci., XIV.

OTHNIEL CHARLES MARSH.

Heliobatis Marsh, 376; orthotype *H. RADIANS* Marsh (fossil). Both names undefined, hence becoming valid only when located by Woodward, 1889. A synonym of *XIPHOTRYGON* Cope, 1879 (*X. ACUTIDENS*).

1216. PETERS (1877). *Ueber Epigonichthys cultellus, eine neue Gattung und Art der Leptocardii*. Monatsb. Akad. Wiss. Berlin, 1876 (1877), 322-327.

WILHELM (CARL HARTWIG) PETERS.

Epigonichthys Peters, 322; orthotype *E. CULTELLUS* Peters.

1217. PETERS (1877). *Ueber eine merkwürdige von Dr. Buchholz entdeckte neue Gattung von Süßwasserfischen, Pantodon buchholzi, etc.* Monatsb. Akad. Wiss. Berlin, 1876 (1877), 195-200.

WILHELM (CARL HARTWIG) PETERS.

Pantodon Peters, 196; orthotype *P. BUCHHOLZI* Peters.

1218. PETERS (1877). (*Fossil Fishes.*) Preuss. Akad.
WILHELM (CARL HARTWIG) PETERS.
Hémित्रichas Peters, 682; orthotype *H. SCHISTICOLA* Peters (fossil).
1219. PROBST (1877). *Beitrag zur Kenntniss der fossile Fische aus der Molasse von Baltringen.* II. Jahr. Verein. Vaterl. Naturk. Württemberg.
JOSEF PROBST.
Bates Probst, XXXIII, 88; logotype *B. SPECTABILIS* Probst (fossil). Not **BATIS** Bon.; an ally of **MYLIOBATIS**.
1220. SAUVAGE (1877). *Sur les Lepidotus palliatus et Spharodus gigas.* Bull. Soc. Géol. France.
HENRI ÉMILE SAUVAGE.
Eurystethus Sauvage, 629; orthotype *E. BRONGNIARTI* Sauvage (fossil).
Desmichthys Sauvage, 634; orthotype *D. DAUBREI* Sauvage (fossil).
1221. TRAQUAIR (1877). *On the Agassizian Genera Amblypterus, Palaeoniscus, Gyrolepis and Pygopterus.* Quart. Journ. Geol. Soc., 1877, XXXIII, 548-578.
RAMSAY HEATLEY TRAQUAIR.
Gonatodus Traquair, 555; logotype *AMBLYPTERUS PUNCTATUS* Ag. (fossil).
Cosmoptychius Traquair, 553; orthotype *C. STRIATUS* Traquair (fossil). A synonym of **ELONICHTHYS** Giebel.
Acentrophorus Traquair, 565; orthotype *PALAEONISCUS VARIANS* Kirby (fossil).
Rhadinichthys Traquair, 559; logotype *PALAEONISCUS ORNATISSIMUS* L. (fossil).
1222. TRAQUAIR (1877). *Monograph on the Ganoid Fishes of the British Carboniferous Formations.* I.
RAMSAY HEATLEY TRAQUAIR.
Microconodus Traquair, 33; orthotype *M. MOLYNEUXI* Traquair (fossil), name only. Quoted by Woodward, 1891. A synonym of **GONATODUS**.
1223. WINTHER (1877). *Om de danske fiske af slægten Gobius.* Nat. Tidskr. Kjöbenhavn, XI.
GEORG WINTHER (1844-1879).
Lebetus Winther, 49; orthotype *GOBIVS SCORPIOIDES* Collett.
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- 1878.
1224. BARKAS (1878). *On the Microscopical Structure of Fossil Teeth from the Northumberland Coal Measures.* Monthly Review of Dental Surgery, VII.
WILLIAM JAMES BARKAS
Hybodopsis Barkas, 191; orthotype *H. WARDI* Barkas (fossil).
1225. BLEEKER (1878). *Sur deux espèces inédites de Cichloïdes de Madagascar.* Versl. Akad. Amsterdam (2), XII, 1878, 192-198.
PIETER BLEEKER.
Paracara Bleeker, 193; orthotype *P. TYPUS* Bleeker. A synonym of **PARATILAPIA** Blkr.

1226. BLEEKER (1878). *Quatrième mémoire sur la faune ichthyologique de la Nouvelle-Guinée*. Arch. Néerl. Sci. Nat. XIII, 1878, 35-66.
PIETER BLEEKER.
- Bathygobius** Bleeker, 54; logotype **Gobius nebulopunctatus** Cuv. & Val. Replaces **MAPO** Smitt (*G. SOPORATOR* Cuv. & Val.).
- Symphysanodon** Bleeker, 61; orthotype **S. TYPUS** Blkr.
1227. BOSNIASKI (1878). *Studiî sui pesci fossili del mioceno del Gabbro*. Atti. Soc. Tosc. Sci. Nat. Pisa.
S. DE BOSNIASKI.
- Acanthonemopsis** Bosniaski, I, 19; orthotype **A. CAPELLINII** Bosniaski (fossil).
1228. CASTELNAU (1878). *Notes on the Fishes of the Norman River*. Proc. Linn. Soc. New S. Wales, 1878, III, 41-51.
FRANCIS L. CASTELNAU
- Pseudoambassis** Castelnau, 43; logotype **P. MACLEAYI** Castelnau. Apparently a synonym of **AMBASSIS** Cuv. Preoccupied by **PSEUDAMBASSIS** Blkr.
- Acanthoperca** Castelnau, 45; orthotype **A. GULLIVERI** Castelnau. A synonym of **AMBASSIS**.
- Gulliveria** Castelnau, 45; logotype **G. FUSCA** Castelnau = **APOGON APRION** Rich. A synonym of **GLOSSAMIA** Gill.
1229. CASTELNAU (1878). *On Several New Australian (Chiefly) Fresh-water Fishes*. Proc. Linn. Soc. New S. Wales, 1878, 140-144.
FRANCIS L. CASTELNAU.
- Aristeus** Castelnau, 141; logotype **A. FITZROYENSIS** Castelnau. Name preoccupied; a synonym of **MELANOTENIA** Gill, 1862.
- Eumeda** Castelnau, 143; orthotype **E. ELONGATA** Castelnau. A synonym of **NEOSILURUS** Steind. (not **NEOSILURUS** Castelnau).
1230. CASTELNAU (1878). *Essay on the Ichthyology of Port Jackson*. Proc. Linn. Soc. New S. Wales, 1878, III, 347-402.
FRANCIS LAPORTE CASTELNAU.
- Neonanthias** Castelnau, 366; orthotype **N. GUNTHERI** Castelnau. A synonym of **CAPRODON** T. & S.
- Agenor** Castelnau, 371; orthotype **AGENOR MODESTUS** Castelnau. A synonym of **SCORPIS** Cuv. & Val.
- Zeodrius** Castelnau, 377; orthotype **Z. VESTITUS** Castelnau. A synonym of **GONIISTRIUS** Gill (1862).
1231. COLLETT (1878). *Fiske fra Nordhavs-expeditionens sidste togt sommeren 1878*. Forh. Vidensk. Selsk. Christiania, 1878, XIV, 1-106.
ROBERT COLLETT
- Rhodichthys** Collett, 99; orthotype **R. REGINA** Collett.
- Paraliparis** Collett, 32; orthotype **P. BATHYBII** Collett.
1232. COPE (1878). *Synopsis of the Fishes of the Peruvian Amazon, Obtained by Prof. Orton During His Expeditions of 1873 and 1877*. Proc. Amer. Philos. Soc., 1878, XVII, 673-701.
EDWARD DRINKER COPE.
- Epapterus** Cope, XVII, 677; orthotype **E. DISPILURUS** Cope.

- Chænothorax** Cope, 679; orthotype *C. bicarinatus* Cope.
Potamorhina Cope, 685; orthotype *Curimatus pristigaster* Steind.
Metynniscus Cope, 693; orthotype *M. luna* Cope.
Gastropterus Cope, 700; orthotype *G. archæus* Cope. A synonym of *Basilichthys* Girard; name regarded as preoccupied by *Gastropteron*.
1233. COPE (1878). *Descriptions of Fishes from the Cretaceous and Tertiary Deposits West of the Mississippi River*. Bull. U. S. Geol. Surv., IV.
 EDWARD DRINKER COPE.
Triænaspis Cope, 67; orthotype *Leptotrachelus virgatulus* Cope (fossil).
Ichthyotringa Cope, IV, 69; orthotype *I. tenuirostris* Cope (fossil). A synonym of *Rhinellus* Ag.
1234. CLARKE (1878). *On Two New Fishes (Argyroleccus intermedius and Aegæonichthys appelti)*. Trans. Proc. New Zealand Instit., 1877 (1878), X, 243-246.
 F. E. CLARKE.
Aegæonichthys Clarke, 245; orthotype *A. appelti* Clarke.
1235. DUBALEN (1878). *Note sur un poisson mal connu du bassin de l'Adour*. Bull. Soc. Borda. Dax.
 ——— DUBALEN.
Aturius Dubalen, 157; orthotype *A. dufouri* Dubalen = *Cyprinus leuciscus* L. A synonym of *Leuciscus* Cuv.
1236. GILL (1878). *On a Remarkable Generic Type (Elopomorphus jordani)*. Ann. Mag. Nat. Hist., 1878, ser. 5, III, 112.
 THEODORE NICHOLAS GILL.
Elopomorphus Gill, 112; orthotype *E. jordani* Gill.
1237. GILL (1878). *Note on the Antennariidæ*. Proc. U. S. Nat. Mus., I, 221.
 THEODORE GILL.
Sympterychthys Gill, 222; orthotype *Lophius lævis* Lac.
1238. GILL (1878). *Note on the Ceratiidæ*. Proc. U. S. Nat. Mus., I.
 THEODORE GILL.
Mancalias Gill, 227; orthotype *Ceratias uranoscopus* Murray.
1239. GILL (1878). *Myxocyprinus* Gill. Johnson's Cyclopædia.
 THEODORE GILL
Myxocyprinus Gill, 1574; orthotype *Carpiodes asiaticus* Blkr.
1240. GÜNTHER (1878). *Preliminary Notices of Deep-Sea Fishes Collected During the Voyage of H. M. S. Challenger*. Ann. Mag. Nat. Hist., ser. 5, II, 17-28, 179-187, 248-251.
 ALBERT GÜNTHER.
Bathyraco Günther, 18; orthotype *B. antarcticus* Gthr.
Melanonus Günther, 19; orthotype *M. gracilis* Gthr.
Bathynectes Günther, 20; logotype *B. laticeps* Gthr.
Typhlonus Günther, 21; orthotype *T. nasus* Gthr.
Aphyonus Günther, 22; orthotype *A. gelatinosus* Gthr.
Acanthonus Günther, 23; orthotype *A. armatus* Gthr.
Bathyphis Günther, 181; orthotype *B. ferox* Gthr.

- Bathysaurus** Günther, 182; logotype B. FEROX Gthr.
- Bathypterois** Günther, 183; logotype B. LONGIFILIS Gthr.
- Ipnops** Günther, 186; orthotype I. MURRAYI Gthr.
- Bathylagus** Günther, 248; logotype B. ANTARCTICUS Gthr.
- Bathytroctes** Günther, 249; logotype B. MICROLEPIS Gthr.
- Platytroctes** Günther, 249; orthotype P. APUS Gthr.
- Xenodermichthys** Günther, 250; orthotype X. NODULOSUS Gthr.
- Cyema** Günther, 251; orthotype C. ATRUM Gthr.
1241. HILGENDORF (1878). *Ueber das Vorkommen einer Brama-Art und einer neuen Fischgattung Centropholis aus der Nachbarschaft des Genus Brama in den japanischen Meeren.* Sitzb. Ges. Naturf. Freunde Berlin, 1878, 1-2.
FRANZ MARTIN HILGENDORF.
- Centropholis** Hilgendorf, 1; orthotype C. PETERSI Hilgendorf.
1242. HILGENDORF (1878). *Ueber einige neue japanische Fischgattungen.* Sitzb. Ges. Naturf. Freunde Berlin, 1878, 155-157.
FRANZ MARTIN HILGENDORF
- Megaperca** Hilgendorf, 155; orthotype M. ISCHINAGI Hilgendorf. A synonym of STEREOLEPIS Ayres.
- Liobagrus** Hilgendorf, 155; orthotype L. REINI Hilgendorf.
1243. JORDAN (1878). *Manual of the Vertebrates of the Northern United States, Including the District East of the Mississippi River and North of North Carolina and Tennessee, Exclusive of Marine Species.* 2d ed., 1-407.
DAVID STARR JORDAN.
- Quassilabia** Jordan & Brayton, 406; orthotype LAGOCHILA LACERA Jordan & Brayton. Substitute for LAGOCHILA Jordan & Brayton, regarded as preoccupied by LAGOCHILUS, a genus of mollusks.
- Tauridea** Jordan & Rice, 255; orthotype COTTUS RICEI Nelson.
- Prosopium** (Milner) Jordan, 261; orthotype COREGONUS QUADRILATERALIS Rich. The name PROSOPIUM was proposed by James W. Milner of the U. S. Fish Commission in a *Review of the American Whitefishes*, written in 1878, but left incomplete through the untimely death of the author.
- Ulocentra** Jordan, 223; orthotype, ARLINA ATRIPINNIS Jordan.
- Minytrema** Jordan, 318; orthotype CATOSTOMUS MELANOPS Raf.
1244. JORDAN & BRAYTON (1878). *Contributions to North American Ichthyology, III. B. On the Distribution of the Fishes of the Allegany Region of South Carolina, Georgia, and Tennessee, With Descriptions of New or Little Known Species.* Bull. U. S. Nat. Mus., 1878, XII, 1-95.
DAVID STARR JORDAN; ALEMBERT WINTHROP BRAYTON (1849-).
- Hydrophlox** Jordan, 18; orthotype HYBOPSIS RUBRICROCEUS Cope.
- Erogala** Jordan & Brayton, 20; orthotype PHOTOGENIS STIGMATURUS Jordan. A section under CYPRINELLA Grd.
- Cristivomer** Gill & Jordan, 69; orthotype SALMO NAMAYCUSH Walbaum.
- Ioa** Jordan & Brayton, 88; orthotype PÆCILICHTHYS VITREUS Cope.
- Vaillantia** Jordan, 89; orthotype BOLEOSOMA CAMURUM Forbes.
1245. JORDAN (1878). *Report on the Collection of Fishes Made by Dr. Elliott Coues in Dakota and Montana, etc.* Bull. U. S. Geol. Surv., IV.
DAVID STARR JORDAN.
- Couesius** Jordan, 785; orthotype NOCOMIS MILNERI Jordan = GOBIO PLUMBEUS Ag.

- Zophendum** Jordan, 786; orthotype *HYBORHYNCHUS SIDERIUS* Cope = *AGOSIA CHRYSOGASTER* Grd. A synonym of *AGOSIA* Grd.
- Chriope** Jordan, 787; orthotype *HYBOPSIS BIFRENATUS* Cope.
- Symmetrurus** Jordan, 788; orthotype *POGONICHTHYS ARGYREIOSUS* Grd., the young of *P. INÆQUILIBUS* Grd. A synonym of *POGONICHTHYS*.
1246. JORDAN (1878). *Notes on a Collection of Fishes from the Rio Grande at Brownsville, Texas.* Bull. U. S. Geol. Surv. Terr., 1878, IV, 397-406, 663-667.
DAVID STARR JORDAN.
(A few very young EMBIOTOCOID fishes from San Francisco were unfortunately mixed with this collection and wrongly described as new.)
- Sema** Jordan, 399; orthotype *S. SIGNIFER* Jordan; a larval form of *CYMATOGASTER AGGREGATUS* Gibbons. A synonym of *CYMATOGASTER* Gibbons.
- Dacentrus** Jordan, 667; orthotype *D. LUCENS* Jordan; the young of *HYSTEROCARPUS TRASKI* Gibbons. A synonym of *HYSTEROCARPUS* Gibbons.
1247. JORDAN (1878). *A Catalogue of Fishes of the Fresh Waters of North America.* Bull. U. S. Geol. Surv. Terr., 1878, IV., 407-442.
DAVID STARR JORDAN.
- Chasmistes** Jordan, 417; orthotype *CHASMISTES LIORUS* Jordan, a species wrongly supposed to be the same as *CATOSTOMUS FECUNDUS* Cope & Yarow.
1248. JORDAN & GILBERT (1878). *Notes on the Fishes of Beaufort Harbor, North Carolina.* Proc. U. S. Nat. Mus., I.
DAVID STARR JORDAN; CHARLES HENRY GILBERT (1859-).
- Chriolax** Jordan & Gilbert, 374; orthotype *TRIGLA EVOLANS* L. A synonym of *PRIONOTUS* Lac.
1249. JORDAN (1878). (*Notes on Fishes of Ohio.*) Second Report Ohio Fish Commission; John H. Klippart, Commissioner.
DAVID STARR JORDAN.
- Mascalongus** Jordan, 92; orthotype *ESOX MASQUINONGY* Mitchill = *ESOX NOBILIOR* Thompson.
1250. KONINCK (1878). *Faune du calcaire carbonifère de la Belgique; première partie.* Ann. Mus. Roy. Hist. Nat. Belgique, 1878, II, 1-152.
LAURENT DE KONINCK.
- Benedenius** (Traquair) Koninck, 14; orthotype *B. BENEENSIS* Traquair (fossil). Name preoccupied, replaced by *BENEDENICHTHYS* Traquair, 1890.
- Serratodus** Koninck, 53; orthotype *S. ELEGANS* Koninck (fossil). A synonym of *CTENOPTYCHIUS* Ag.
- Stichæacanthus** Koninck, 70; orthotype *S. COEMANSI* Koninck (fossil).
1251. MACLEAY (1878). *Description of Some New Fishes from Port Jackson and King George's Sound.* Proc. Linn. Soc. New S. Wales, 1878, III, 33-38.
WILLIAM MACLEAY.
- Isosillago** Macleay, 34; orthotype *I. MACULATA* Macleay. A synonym of *SILLAGINODES* Gill.
1252. NEWBERRY (1878). *Descriptions of New Paleozoic Fishes.* Ann N. Y. Acad. Sci., 1878, I, 188-192.
JOHN STRONG NEWBERRY.
- Diplurus** Newberry, 127; orthotype *D. LONGICAUDATUS* Newberry (fossil).

- Diplognathus** Newberry, 188; orthotype *D. MIRABILIS* Newberry (fossil).
Archæobatis Newberry, 190; orthotype *A. GIGAS* Newberry (fossil).
1253. NEWTON (1878). *The Chimæroid Fishes of the British Cretaceous Strata*.
 Mem. Geol. Surv. United Kingdom, 1878, Monograph IV, 1-50.
 EDWIN TULLEY NEWTON (1840-).
- Elasmognathus** Newton, 43; orthotype *E. WILLETII* Newton (fossil). Name pre-occupied in HEMIPTERA, replaced by *ELASMODECTES* Newton, 1888.
1254. SAUVAGE (1878). *Note sur quelques Cyprinidae et Cobitinae d'espèces inédites, provenant des eaux douces de la Chine*. Bull. Soc. Philom. Paris, VII, sér. 2, 86-90.
 HENRI ÉMILE SAUVAGE.
- Agenigobio** Sauvage, 87; orthotype *A. HALSONETI* Sauvage.
Crossostoma Sauvage, 89; orthotype *C. DAVIDI* Sauvage.
Paramisgurnus Sauvage, 90; orthotype *P. DABRYANUS* Sauvage.
1255. SAUVAGE (1878). *Note sur quelques poissons d'espèces nouvelles provenant des eaux douces de l'Indo-Chine*. Bull. Soc. Philom. Paris, 1878, VII, sér. 2, 233-242.
 HENRI ÉMILE SAUVAGE.
- Cosmochilus** Sauvage, 240; orthotype *C. HARMANDI* Sauvage.
1256. SAUVAGE (1878). *Description de poissons nouvelles ou imparfaitement connus*, etc. Nouv. Arch. Mus. Nat. Hist. Paris, II.
 HENRI ÉMILE SAUVAGE.
- Pseudosebastes** Sauvage, 115; orthotype *SEBASTES BOUGAINVILLEI* Cuv. & Val.
Eusebastes Sauvage, 115; orthotype *SEBASTES SEPTENTRIONALIS* Gaimard. A synonym of *SEBASTES* Cuv.
- Elaphocottus** Sauvage, 142; logotype *COTTUS PISTILLIGER* Pallas. A synonym of *GYMNOCANTHUS* Sw.
1257. STEINDACHNER (1878). *Ichthyologische Beiträge*. VII. Sitzb. Akad. Wiss. Wien, 1878 (1879), LXXVIII, 1. Abth., 377-400.
 FRANZ STEINDACHNER.
- Neomyxus** Steindachner, 384; orthotype *MYXUS SCLATERI* Steind.
Leptobrama Steindachner, 388; orthotype *L. MUELLERI* Steind.
Cratinus Steindachner, 395; orthotype *C. AGASSIZI* Steind.
1258. STREETS (1878). *Contributions to the Natural History of the Hawaiian and Fanning Islands and Lower California*. Bull. U. S. Nat. Mus., 1878, VII, 43-102.
 THOMAS HALE STREETS (1847-).
- Sebastapistes** (Gill) Streets, 62; orthotype *SEBASTES STRONGIA* Cuv. & Val.
1259. VAILLANT & BOCOURT (1878). *Études sur les poissons*. Mission Scientifique au Mexique, etc., IV.
 LÉON LOUIS VAILLANT; FIRMIN BOCOURT.
- Itaiara** Vaillant & Bocourt, 67; orthotype *SERRANUS ITAIARA* Lichtenstein = *PERCA GUTTATA* L. A synonym of *PROMICROPS* Poey.
1260. WINKLER (1878). *Mémoire sur quelques restes de poissons du système heersien*. Arch. Mus. Teyler Haarlem, IV.
 TIBERIUS CORNELIUS WINKLER.

Cycloides Winkler, 3; orthotype *C. INCISUS* Winkler (fossil). A fragment perhaps not of a fish.

Trigonodus Winkler, 14; orthotype *SQUATINA PRIMA* Noetling (fossil). A synonym of *THAUMAS* Münster.

1261. WINKLER (1878). *Deuxième Mémoire sur les dents de poissons fossiles du terrain bruxellien*. Arch. Mus. Teyler Haarlem.

TIBERIUS CORNELIUS WINKLER.

Trichiurides Winkler, 31; orthotype *T. SAGITTIDENS* Winkler (fossil).

1879.

1262. BASSANI (1879). *Vorläufige Mittheilungen über die (fossil) Fischfaune der Insel Lesina*. Verh. Geol. Reichsanst. Wien, 1879, 162-170.

FRANCESCO BASSANI.

Aphanepygus Bassani, 162; Orthotype *A. ELEGANS* Bassani (fossil). A synonym of *PETALOPTERYX* Pictet.

Prochanos Bassani, 165; orthotype *P. RECTIFRONS* Bassani (fossil).

Hemielopopsis Bassani, 166; orthotype *H. SUESSI* Bassani (fossil). An extinct homologue of *HISTIALOSA*.

1263. BEAN (1879). *Description of Some Genera and Species of Alaskan Fishes*. Proc. U. S. Nat. Mus., II.

TARLETON HOFFMAN BEAN (1846-1918.)

Melletes Bean, 354; orthotype *M. PAPILIO* Bean.

Dallia Bean, 358; orthotype *D. PECTORALIS* Bean.

1264. BLEEKER (1879). *Mémoire sur les poissons à pharyngiens labyrinthiformes de l'Inde archipélagique*. Verh. Akad. Amsterdam, XIX, 1879, 1-56.

PIETER BLEEKER.

Pseudosphromenus Bleeker, 2; orthotype *OSPROMENUS OPERCULARIS* Blkr.

Parosphromenus Bleeker, 20; orthotype *P. DEISSNERI* Blkr.

1265. BLEEKER (1879). *Révision des espèces insulindiennes de la famille des Callionymoïdes*. Versl. Akad. Amsterdam (2), XIV, 1879, 79-107.

PIETER BLEEKER.

Eleutherochir Bleeker 103; orthotype *E. OPERCULARIOIDES* Blkr.

1266. BLEEKER (1879). *Sur quelques espèces inédites ou peu connues de poissons de Chine appartenant au Muséum de Hambourg*. Verh. Akad. Amsterdam XVIII, 1879, 1-17.

PIETER BLEEKER.

Hemiglyphidodon Bleeker, 8; orthotype *H. PLAGIOMETOPON* Blkr.

1267. BLEEKER (1879). *Énumération des espèces de poissons actuellement connues du Japon et description de trois espèces inédites*. Verh. Akad. Amsterdam, XVIII, 1879, 1-33.

PIETER BLEEKER.

Lepidorhynchus Bleeker, 21; orthotype *L. VILLOSUS* Blkr.

1268. CAMPBELL (1879). *On a New Fish (Discus aureus)*. Trans. Proc. New Zeal. Instit., XI, 297-298.
W. D. CAMPBELL.
Discus Campbell, 298; orthotype *D. AUREUS* Campbell.
1269. CASTELNAU (1879). *On a New Ganoid Fish from Queensland*. Proc. Linn. Soc. New S. Wales, 1878, III, 164-165.
FRANCIS L. CASTELNAU.
Ompax Castelnau, 165; orthotype *O. SPATULOIDES* Castelnau. This species is based on a drawing, probably a rough representation of *EPICERATODUS* Teller. Macleay doubts the actual existence of the genus or species.
1270. CASTELNAU (1879). *On Several New Australian Fresh-water Fishes*. Proc. Linn. Soc., III.
FRANCIS L. CASTELNAU.
Aristeus Castelnau, 141; orthotype *A. FITZROYENSIS* Castelnau. Preoccupied in CRUSTACEA; replaced by *RHOMEATRACTUS* Gill. A synonym of *MELANOTÆNIA* Gill.
1271. COLLETT (1879). *On a New Fish of the Genus Lycodes from the Pacific*. Proc. Zool. Soc. London.
ROBERT COLLETT.
Lycodopsis Collett, 386; orthotype *LYCODES PACIFICUS* Collett (issued August 1, 1879). Same as *LEURYXNIS* Lockington (March 25, 1880).
1272. COPE (1879). *A Sting Ray (Xiphotrygon acutidens) from the Green River Shales of Wyoming*. Amer. Natural., 1879, XIII, 333.
EDWARD DRINKER COPE.
Xiphotrygon Cope, 333; orthotype *X. ACUTIDENS* Cope (fossil).
1273. DAVIS (1879). *Notes on Pleurodus . . . and . . . Three Spines of Cestracionts from the Lower Coal Measures*. Quart. Journ. Geol. Soc., XXXV.
JAMES WILLIAM DAVIS.
Phricacanthus Davis, 186; orthotype *P. BISERIALIS* Davis (fossil). Probably a synonym of *ORACANTHUS* Ag.
1274. DAVIS (1879). *On Ostracacanthus . . . a Fossil Fish from the Coal Measures Southeast of Halifax, Yorkshire*. Reprint Brit. Assn. Adv. Sci., 1879.
JAMES WILLIAM DAVIS.
Ostracacanthus Davis, 343; orthotype *O. DILATATUS* Davis.
1275. GILL (1879). (*Rhombatractus*.) Amer. Naturl., 1879.
THEODORE GILL.
Rhombatractus Gill, 709; orthotype *ARISTEUS FITZROYENSIS* Castelnau. Substitute for *ARISTEUS* Castelnau, preoccupied. A synonym of *MELANOTÆNIA* Gill, 1862.
1276. GOODE & BEAN (1879). *A Preliminary Catalogue of the Fishes of the St. Johns River and the East Coast of Florida . . .* Proc. U. S. Nat. Mus., II.
GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.
Jordanella Goode & Bean, 117; orthotype *J. FLORIDÆ* Goode & Bean.

1277. GOODE & BEAN (1879). *Description of a New Genus and Species of Fish, Lopholatilus chamaeleonticeps, from the South Coast of New England.* Proc. U. S. Nat. Mus., II, 205-209.
 GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.
Lopholatilus Goode & Bean, 205; orthotype *L. CHAMAELEONTEPS* Goode & Bean.
1278. JORDAN (1879). *Description of New Species of North American Fishes.* Proc. U. S. Nat. Mus., II, 235-241.
 DAVID STARR JORDAN
Xiphister Jordan, 241; orthotype *XIPHIDIUM MUCOSUM* Grd. A substitute for *XIPHIDIUM* Grd., regarded as preoccupied by *XIPHIDIUM*, a genus of grasshopper.
1279. JORDAN (1879). *Note on a Collection of Fishes Obtained in the Streams of Guanajuato and in Chapala Lake, Mexico, by Prof. A. Dugès.* Proc. U. S. Nat. Mus., II, 299-301.
 DAVID STARR JORDAN.
Goodea Jordan, 299; orthotype *G. ATRIPINNIS* Jordan.
1280. GORJANOVIC-KRAMBERGER (1879). *Beiträge zur Kenntniss der fossilen Fische der Karpathen.* Palæontographica, XXVI.
 DRAGUTIN GORJANOVIC-KRAMBERGER.
Megalolepis Kramberger, 61; orthotype *M. CASHCENSIS* Kramberger (fossil).
1281. KESSLER (1879). *Beiträge zur Ichthyologie von Central-Asien.* Bull. Acad. Sci. St. Petersb., 1879, XXV, 282-310.
 KARL THEODOROVICH KESSLER.
Aspiorhynchus Kessler, 289; orthotype, *A. PREZWALSKII* Kessler.
1282. LOCKINGTON (1879). *Description of New Genera and Species of Fishes from the Coast of California.* Proc. U. S. Nat. Mus., II, 326-332.
 WILLIAM NEALE LOCKINGTON (1842-1902).
Leurynnis Lockington, 326; orthotype *LEURYNNIS PAUCIDENS* Lockington (male of *LYCODOPSIS PACIFICUS* Collett) (issued March 25, 1880). A synonym of *LYCODOPSIS* Collett (Aug. 1, 1879).
Odontopyxis Lockington, 326; orthotype *O. TRISPINOSUS* Lockington.
1283. LOCKINGTON (1879). *On a New Genus of Scombridae.* Proc. Acad. Nat. Sci. Phila., 1879, 133-136.
 WILLIAM NEALE LOCKINGTON.
Chromitra Lockington, 133; orthotype *C. CONCOLOR* Lockington. A synonym of *SCOMBEROMORUS* Lac.
1284. SAUVAGE (1879). *Notice sur la faune ichthyologique de l'Ogôoué.* Bull. Soc. Philom. Paris, sér. 7, III, 90-103.
 HENRI ÉMILE SAUVAGE.
Micracanthus Sauvage, 95; orthotype *M. MARCHII* Sauvage. Name preoccupied by *MICROCANTHUS* (*MICRACANTHUS*) Sw. (1839). Being apparently a valid genus, the name has been replaced by *OSHMIA* Jordan, 1919, in honor of Masamitsu Oshima.

Doumea Sauvage, 96; orthotype *D. TYPICA* Sauvage.

Atopochilus Sauvage, 96; orthotype *A. SAVORGNANI* Sauvage.

1285. SAUVAGE (1879). *Description de gobioides nouveaux ou peu connus de la collection du Muséum d'Histoire Naturelle*. Bull. Sci. Philom. Paris.

HENRI ÉMILE SAUVAGE.

Giuris Sauvage, 15; logotype *G. VANICOLENSIS* Sauvage (no generic diagnosis), near *HYPSELEOTRIS* Gill.

1286. SAUVAGE (1879). (*Uranoplosus*.) Bull. Soc. Yonne, XXXII.

HENRI ÉMILE SAUVAGE.

Uranoplosus Sauvage, 47; orthotype *U. COTTEAUI* Sauvage (fossil).

Cosmodus Sauvage, 48; orthotype *C. GRANDIS* Sauvage (specific name preoccupied) = *CÆLODUS MAJOR* Woodward. May replace *CÆLODUS* Heckel (1856), regarded as preoccupied by *CÆLODON* Lund (1839).

1287. STEINDACHNER (1879). *Zur Fischfauna des Magdalenen-Stromes*. Denkschr. Akad. Wiss. Wien, XXXIX, 19-78.

FRANZ STEINDACHNER.

Luciocharax Steindachner, 67; orthotype *L. insculptus* Steind. A synonym of *CTENOLUCIUS* Gill (1861), but in the latter case no specific name was given.

1288. STEINDACHNER (1879). *Ueber einige neue und seltene Fisch-Arten aus den k.-k. zoologischen Muséum zu Wien, Stuttgart, und Warschau*. Denkschr. Akad. Wiss. Wien, XLI, 1-52.

FRANZ STEINDACHNER.

Parequula Steindachner, 8; orthotype *P. BICORNIS* Steind.

1289. TRAUTSCHOLD (1879). *Ueber Fischzähne des Moskauer Jura*. Bull. Soc. Imp. Nat. Moskau, XIV.

HERMANN VON TRAUTSCHOLD.

Cymatodus Trautschold, 53; *C. PLICATULUS* Trautschold (fossil). Name preoccupied; probably a synonym of *MESOLOPHODUS* Woodw.

Cranodus Trautschold, 54; orthotype *C. ZONODUS* Trautschold (fossil).

Chiastodus Trautschold, 58; orthotype *C. CBVALLATUS* Trautschold (fossil).

Arpagodus Trautschold, 59; orthotype *A. RECTANGULUS* Trautschold (fossil). A synonym of *CAMPODUS* Koninek.

1290. WAAGEN (1879). *Paleontology of India*.

W. WAAGEN (1841-1900).

Helodopsis Waagen, I, 14; logotype *H. ELONGATA* Waagen (fossil).

Thaumatacanthus Waagen, I, 78; orthotype *T. BLANFORDI* Waagen (fossil).

1880.

1291. BLEEKER (1880). *Musei Hamburgensis species piscium novæ minusque cognitæ descripsit et depingi curavit*. Abh. Naturw. Ver. Hamburg, 1880, VII, 25-30.

PIETER BLEEKER.

Hemiglyphidodon Bleeker, 8; orthotype *H. PLAGIOMETOPON* Blkr.

1292. COLLETT (1880). *Den Norske Nordhavs Expedition, 1876-1878. Zoologi, Fiske*. Christiania.

ROBERT COLLETT.

Rhodichthys Collett, 154; orthotype *R. REGINA* Collett.

1293. COPE (1880). *Second Contribution to the History of the Vertebrata of the Permian Formation of Texas*. Proc. Amer. Philos. Soc., XIX, 38-58.

EDWARD DRINKER COPE.

Ectosteorhachis Cope, 52; orthotype *E. NITIDUS* Cope (fossil). A synonym of *PARABATRACHUS* Owen.

1294. FONTANNES (1880). *Nouvelle contribution à la faune et à la flore des marnes pliocènes à Brissopsis d'Eurre (Drôme). Type nouveau de la famille des Clupeoides*. Ann. Soc. Agric. Hist. Nat. Lyon, V, 423-425.

CHARLES FRANCISQUE FONTANNES (1839-1886).

Clupeops (Sauvage), Fontannes, 209; orthotype *C. INSIGNIS* Sauvage (fossil). Miocene from le Bassin de Crest at Eurre, Drôme (publication needs verification).

1295. GARMAN (1880). *Synopsis and Descriptions of the American Rhinobatida*. Proc. U. S. Nat. Mus.

SAMUEL GARMAN.

Platyrrhinoidis Garman, 516; orthotype *PLATYRHINA TRISERIATA* J. & G.

Discobatus Garman, 523; orthotype *RAJA SINISIS* Lac.; substitute for *PLATYRHINA* M. & H., regarded as preoccupied by *PLATYRHINUS*; but *ANALITHIS* Gistel (1848) is a still earlier substitute name.

1296-1297. GIGLIOLI (1880). *Elenco dei mammiferi, degli uccelli e dei rettili ittiofagi . . . et catalogo . . . dei pesci italiani*. Esposizione Internazionale della Pesca, Berlin.

Pomatomichthys Giglioli, 20; orthotype *P. CONSTANCIE* Giglioli = *POMATOMUS TELESCOPIUM* Risso. A synonym of *EPIGONUS* Raf.

Thynnichthys Giglioli, 25; orthotype *THYNNUS THUNNINA* Cuv. & Val. = *SCOMBER ALLETERATUS* Raf. Name preoccupied; a synonym of *EUTHYNNUS* Lütken (1883).

Pelamichthys Giglioli, 25; orthotype *SCOMBER UNICOLOR* Geoffroy St. Hilaire. A synonym of *ORCYNOPSIS* Gill, 1862.

1298. GOODE (1880). *Fishes from the Deep Water on the South Coast of New England Obtained by the United States Fish Commission in the Summer of 1880*. Proc. U. S. Nat. Mus., 1880, III, 467-486.

GEORGE BROWN GOODE.

Amitra Goode, 478; orthotype *A. LIPARINA* Goode. Name regarded as preoccupied by *AMITRUS*; replaced by *MONOMITRA* Goode, 1883.

1299. GOODE (1880). *Descriptions of Seven New Species of Fishes from Deep Soundings on the Southern New England Coast, With Diagnosis of Two Undescribed Genera of Flounders and a Genus Related to Merlucius*. Proc. U. S. Nat. Mus. 1880, III, 337-350.

Monolene Goode, 338; orthotype *M. sessilicauda* Goode.

Thyris Goode, 344; orthotype *T. pellucidus* Goode; larva of *MONOLENE* Goode.
Name preoccupied, replaced by *DELOTHYRIS* Goode, 1883.

Hypsicometes Goode, 347; orthotype *H. gobioides* Goode.

1300. GÜNTHER (1880). *Report on the Shore Fishes. (In Zoölogy of the Voyage of H. M. S. Challenger. I, 1-82.*

ALBERT GÜNTHER.

Bathyanthias Günther, 6; orthotype *B. roseus* Gthr.

Zanclorhynchus Günther, 15; orthotype *Z. spinifer* Gthr.

Murænolepis Günther, 17; orthotype *M. marmoratus* Gthr.

Lepidopsetta Günther, 18; orthotype *L. maculata* Gthr. Name preoccupied among flounders; replaced by *MANCOPSETTA* Gill.

Thysanopsetta Günther, 22; orthotype *T. naresi* Gthr.

Lophonectes Günther, 28; orthotype *L. gallus* Gthr.

Læops Günther, 28; orthotype *L. parviceps* Gthr.

Propoma Günther, 39; orthotype *P. roseum* Gthr.

Lioscorpius Günther, 40; orthotype *L. longiceps* Gthr.

Acanthaphritis Günther, 43; orthotype *A. grandisquamis* Gthr.

Tetrabrachium Günther, 45; orthotype *T. ocellatum* Gthr.

Anticitharus Günther, 47; orthotype *A. polyspilus* Gthr.

Pœcilopsetta Günther, 48; orthotype *P. colorata* Gthr.

Nematops Günther, 57; orthotype *N. microstoma* Gthr.

1301. HAY (1880). *On a Collection of Fishes from Eastern Mississippi.* Proc. U. S. Nat. Mus., 1880, III, 488-515.

OLIVER PERRY HAY (1846-).

Opsopœodus Hay, 507; orthotype *O. emillæ* Hay.

1302. HECTOR (1880). *Notice of a New Fish (Hypolycodes haastii).* Trans. Proc. New Zealand Instit., 1880 (1881), 13, 194-195.

JAMES HECTOR.

Hypolycodes Hector, 194; orthotype *H. haastii* Hector.

1303. HILGENDORF (1880). *Ueber eine neue berkenzwerthe Fischgattung, Leucopsarion, von Japan.* Monatsb. Akad. Wiss. Berlin.

FRANZ MARTIN HILGENDORF

Leucopsarion Hilgendorf, 340; orthotype *L. petersi* Hilgendorf.

1304. JORDAN & GILBERT (1880). *Notes on a Collection of Fishes from San Diego, California.* Proc. U. S. Nat. Mus., III, 1880, 23-34.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

Roncador Jordan & Gilbert, 28; orthotype *Corvina stearnsi* Steind.

Leuresthes Jordan & Gilbert, 29; orthotype *Atherina tenuis* Ayres.

1305. JORDAN & GILBERT (1880). *Description of a New Flounder (Xystreureys liolepis) from Santa Catalina, California.* Proc. U. S. Nat. Mus., 1880, III, 34-36.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

Xystreureys Jordan & Gilbert, 34; orthotype *X. liolepis* J. & G.

1306. JORDAN & GILBERT (1880). *Description of a New Flounder (Pleuro-nichthys verticalis) from the Coast of California, with Notes on Other Species.* Proc. U. S. Nat. Mus., 1880, III, 49-51.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Atheresthes** Jordan & Gilbert, 51; orthotype PLATYSOMATICHTHYS STOMIAS J. & G.
1307. JORDAN & GILBERT (1880). *On the Generic Relations of Platyrhina exasperata.* Proc. U. S. Nat. Mus., LIII.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Zapteryx** Jordan & Gilbert, 53; orthotype PLATYRHINA EXASPERATA J. & G.
1308. JORDAN & GILBERT (1880). *Descriptions of Two New Species of Fishes (Ascelichthys rhodorus and Scytalina cerdale) from Neah Bay, Washington Territory.* Proc. U. S. Nat. Mus., 1880, III, 264-268.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Ascelichthys** Jordan & Gilbert, 264; orthotype A. RHODORUS J. & G.
- Scytalina** Jordan & Gilbert, 266; orthotype S. CERDALE J. & G. Name regarded as preoccupied by SCYTALINUS, replaced by SCYTALISCUS J. & G.
1309. JORDAN & GILBERT (1880). *Description of a New Species of Deep-water Fish (Icichthys lockingtoni) from the Coast of California.* Proc. U. S. Nat. Mus., 1880, III, 305-308.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Icichthys** Jordan & Gilbert, 305; orthotype I. LOCKINGTONI J. & G.
1310. KLUNZINGER (1880). *Die von müllersche Sammlung australischer Fische in Stuttgart.* Sitzb. Akad. Wiss. Wien, LXXX, 325-430.
CARL BENJAMIN KLUNZINGER.
- Platychærops** Klunzinger, 399; orthotype P. MUELLERI Klunzinger.
1311. KÆNEN (1880). *Ueber Coccosteus-Arten aus dem Devon von Birken.* Zaitschr. Deutsch. Geol. Ges., 1880, XXXII, 673-675.
ADOLF VON KÆNEN (1837-1915).
- Brachydirus** Kænen, 675; orthotype COCCOSTEUS BIRKENSIIS Kænen (fossil).
1312. LOCKINGTON (1880). *Description of a New Genus and Some New Species of California Fishes (Icosteus anigmaticus and Osmerus attenuatus).* Proc. U. S. Nat. Mus., 1880, III, 63-68.
WILLIAM NEALE LOCKINGTON.
- Icosteus** Lockington, 63; orthotype I. ÆNIGMATICUS Lockington.
1313. LOCKINGTON (1880). *Description of a New Chiroid Fish (Myriolepis zonifer) from Monterey Bay, California.* Proc. U. S. Nat. Mus., 1880, III, 248-251.
WILLIAM NEALE LOCKINGTON.
- Myriolepis** Lockington, 248; orthotype, M. ZONIFER Lockington. Based on a young specimen; name preoccupied, replaced by ERILEPIS Gill, which supplants EBISUS Jordan & Snyder, 1901, the adult fish.
1314. PETERS (1880). *Ueber die von der chinesischen Regierung zu der internationalen Fischerei-Ausstellung gesandte Fischeausammlung aus Ningpo.* Monatsb. Akad. Wiss. Berlin, 1880, 921-927.
WILHELM (CARL HARTWIG) PETERS.
- Distæchodon** Peters, 924; orthotype D. TUMIROSTRIS Peters.
- Mylopharyngodon** Peters, 925; orthotype LEUCISCUS ÆTHIOPS.

1315. PETERS (1880). *Ueber eine Sammlung von Fischen, welche Dr. Gerlach in Hongkong gesandt hat*. Monatsb. Akad. Wiss. Berlin, 1880, 1029-1037.
WILHELM (CARL HARTWIG) PETERS.
Semilabeo Peters, 1032; orthotype *S. NOTABILIS* Peters.
Cranoglanis Peters, 1030; orthotype *C. SINENSIS* Peters.
1316. ROCHEBRUNE (1880). *Description de quelques espèces nouvelles de poisson propres à Sénégambie*. Bull. Soc. Philom. Paris, 1880, sér. 7, IV, 159-169.
ALPHONSE TRÉMEAU DE ROCHEBRUNE (1834-).
Sparactodon Rochebrune, 162; orthotype *S. NALNAL* Rochebrune. A synonym of *POMATOMUS* Lac.
1317. ST. JOHN & WORTHEN (1880). *Descriptions of Fossil Fishes*. Geological Survey of Illinois, VII.
ORESTES H. ST. JOHN; A. H. WORTHEN.
Vaticinodus St. John & Worthen, 80; logotype *V. TENERRIMUS* St. John & Worthen (fossil). A synonym of *SANDALODUS* Newberry & Worthen.
Stenopterodus St. John & Worthen, 100; orthotype *S. ELONGATUS* St. John & Worthen (fossil). A synonym of *DELTOBUS*.
Chitonodus St. John & Worthen, 109; logotype *COCHLIODUS LATUS* Leidy (fossil).
Deltodopsis St. John & Worthen, 158; logotype *D. AFFINIS* St. John & Worthen (fossil).
Orthopleurodus St. John & Worthen, 190; logotype *O. CONVEXUS* St. John & Worthen (fossil). A synonym of *SANDALODUS*.
1318. SAUVAGE (1880). *Description des gobioides nouveaux ou peu connus de la collection du Muséum d'Histoire Naturelle*. Bull. Soc. Philom. Paris, 1880, sér. 7, IV, 40-58.
HENRI ÉMILE SAUVAGE.
Cayennia Sauvage, 57; orthotype *C. GUICHENOTI* Sauvage.
1319. SAUVAGE (1880). *Description de quelques poissons d'espèces nouvelles, etc.* Bull. Sci. Philom. Paris, IV.
HENRI ÉMILE SAUVAGE.
Pseudopristipoma Sauvage, 220; orthotype *PRISTIPOMA LEUCURUM* Cuv. & Val.
1320. SAUVAGE (1880). *Notice sur quelques poissons de l'île Campbell et de l'Indo-Chine*. Bull. Soc. Philom. Paris, 1880, sér. 7, IV, 228-233.
HENRI ÉMILE SAUVAGE.
Paratylognathus Sauvage, 227; orthotype *P. DAVIDI* Sauvage.
Probarbus Sauvage, 232; orthotype *P. JULLIENI* Sauvage.
1321. SAUVAGE (1880). *Notice sur les poissons tertiaires de Céreste (Basses Alpes)*. Bull. Soc. Géol. France (3), VIII, 1880.
HENRI ÉMILE SAUVAGE.
Enoplophthalmus Sauvage, 449; orthotype *E. SCHLUMBERGERI* Sauvage (fossil).
Properca Sauvage, 452; logotype *PERCA ANGUSTA* Ag. (fossil).
1322. SAUVAGE (1880). *Synopsis des poissons et des reptiles des terrains jurassiques de Boulogne-sur-Mer*. Bull. Soc. Géol. Paris, 1880, sér. 3, VIII, 524-547.
HENRI ÉMILE SAUVAGE.
Athrodon Sauvage, 530; orthotype *A. DOUVILLII* Sauvage (fossil).

1323. SAUVAGE (1880). *Nouvelles recherches sur les poissons fossiles découverts par M. Alby à Licata en Sicilie*. Ann. Soc. Géol. XI.
HENRI ÉMILE SAUVAGE.
Podopteryx Sauvage, 17; orthotype P. ALBYI Sauvage (fossil).
Parequula Sauvage, 25; orthotype P. ALBYI Sauvage (fossil); name preoccupied. Steindachner, 1879.
Paraleuciscus Sauvage, 38; orthotype P. ECNOMI Sauvage (fossil).
1324. STEINDACHNER (1880). *Ichthyologische Beiträge*. VIII. Sitzb. Akad. Wiss. Wien, LXXX, 119-191.
FRANZ STEINDACHNER.
Typhlogobius Steindachner, 141; orthotype T. CALIFORNIENSIS Steind; replaces OTHONOPS Rosa Smith.
1325. STEINDACHNER (1880). *Ichthyologische Beiträge*. IX. Sitzb. Akad. Wiss. Wien, LXXXII (July 15, 1880), 238-266.
FRANZ STEINDACHNER.
Ptychochromis Steindachner, 248; orthotype TILAPIA OLIGACANTHUS Blkr.
Ancharius Steindachner, 251; orthotype A. FUSCUS Steind.
Hypoptychus Steindachner, 257; orthotype H. DYBOWSKII Steind.
Neozoarces Steindachner, 263; orthotype N. PULCHER Steind.
1326. STOCK (1880). *Note on a Spine . . . from the Coal Measures of North-umberland*. Ann. Mag. Nat. Hist., V.
THOMAS STOCK.
Lophacanthus Stock, V, 217; orthotype L. TAYLORI Stock (fossil). A synonym of ORACANTHUS Ag..
1327. THOMINOT (1880). *Note sur un poisson de genre nouveau appartenant à la famille des scombérodes, voisin des sérioles*. Bull. Soc. Philom. Paris, 1880, sér. 7, IV, 173-174.
ALEXANDRE THOMINOT.
Lepidomegas Thominot, 173; orthotype L. MUELLERI Thominot. A synonym of SERIOLA Cuv.; based on a very old example with the free spines absorbed.
1328. TRAUTSCHOLD (1880). *Ueber Tomodus Agass.* Bull. Soc. Imp. Moscou. LV, 139-140.
HERMANN VON TRAUTSCHOLD.
Oxytomodus Trautschold, 140; orthotype TOMODUS ARGUTUS Trautschold (fossil).

OMISSIONS

1758

1. LINNÆUS (1758). *Systema Naturæ*. Ed. X.
CAROLUS LINNÆUS.

Myxine Linnæus, 650; orthotype M. GLUTINOSA L. Overlooked in Part I, p. 16, being placed by Linnæus among the worms.

1777

23. KLEIN (1777). *Schauplatz*, IV, etc.
JAKOB THEODOR KLEIN.

Cynocephalus Klein; type *SQUALUS GLAUCUS* L. The name *CYNOCEPHALUS* was applied to a genus of bats by Boddaert in 1768.

1803

62. **GIORNA** (1803). *Mémoire*, etc.

MICHEL ESPRIT GIORNA.

Trachyrincus Giorna. This is the original spelling, and the apparent date is 1803.

1815

83. **RAFINESQUE** (1815). *Descrizione*, etc.

CONSTANTINE SAMUEL RAFINESQUE.

Nemochirus Rafinesque; a synonym of *TRACHIPTERUS* Gouan, according to Hubbs.

1839

251. **SWAINSON** (1839). *Natural History*, etc.

WILLIAM SWAINSON.

Lepidosoma ("Risso") Swainson; haplotype "*LEPIDOSOMA TRACHYRHYNCHUS* Risso." Evidently a slip for *LEPIDOLEPRUS* Risso.

1843

295. **AGASSIZ** (1843). *Recherches*, etc., III.

LOUIS AGASSIZ.

Physonemus Agassiz, 176; haplotype *P. SUBTERES* Ag. (fossil). Name only; with locality, lower Subcarboniferous of Armagh, described later by M'Coy, 1848, with a different type, probably not congeneric with it.

Glyphis Agassiz, III, 243; orthotype *G. HASTALIS* Ag. (fossil).

1844

318A. **MÜLLER** (1844). *Ueber den Bau und die Grenzen der Ganoiden und das natürliche System der Fische*. Abh. Akad. Wiss. Berlin, 1844, 117-216, reprinted elsewhere.

JOHANNES MÜLLER.

This epoch-making memoir is the most important of Müller's contributions to Ichthyology. In it he continues his bad habit of inserting new genera in brief footnotes irrelevant to the text.

Tribranchus (Peters) Müller; orthotype *T. ANGUILLARIS* Peters = *ANGUILLA AUSTRALIS* Rich. A synonym of *ANGUILLA* Shaw.

324. **RICHARDSON** (1844). *Voyage Erebus*, etc.

JOHN RICHARDSON.

Rhynchana Richardson, 44; orthotype *R. GREYI* Rich. = *CYPRINUS GONORHYNCHUS* Gmelin. A synonym of *GONORHYNCHUS* (Gronow) Scopoli.

1846

351. **CUVIER & VALENCIENNES** (1846). *Histoire naturelle*, etc. XVIII, XIX.

ACHILLE VALENCIENNES.

Panchax Cuvier & Valenciennes, XVIII, 380; tautotype *ESOX PANCHAX* Ham. = *PANCHAX BUCHANANI* Cuv. & Val., a synonym of *APLOCHEILUS* M'Clelland.

Vandellia Cuvier & Valenciennes, XVIII, 386; haplotype *V. CIRRHOSA* Cuv. & Val.

1847

375. **MEYER** (1847). *Vorläufige Uebersicht*, etc.

HERMANN VON MEYER.

Cenchrodus Meyer, 574; logotype *C. GEPPERTI* Meyer (fossil).

Hemilopas Meyer, 575; orthotype H. MENTZELI Meyer (fossil). (This and the preceding indeterminable fragments of a jaw, probably of COLOLOBUS Ag.)

1848

390. M'COY (1848). 411 M'Coy with CENTRODUS is the same paper as 390, the proper date being 1848.

391. M'COY (1848). *Ichthyodorulites*, etc.
FREDERICK M'COY.

Platacanthus M'Coy, 120; as originally written, later emended to PLATYACANTHUS.
Dipriacanthus M'Coy, 121; logotype D. STOKESII M'Coy (fossil).

391. M'COY (1848). *Scotch Old Red Sandstone*, etc.
FREDERICK M'COY.

Chirodus M'Coy, 130; orthotype C. PES-RANÆ M'Coy. This name was originally and correctly spelled CHIRODUS.

1849

427A. GEINITZ (1849). *Das Quadersandsteingebirge*.
HANS BRUNO GEINITZ.

Aulolepis Geinitz, 86; orthotype A. REUSSI Geinitz. "CYCLOIDEN-SCHUPPE" Geinitz, 1839 = CYCLOLEPIS Geinitz, 1868. AULOLEPIS apparently replaces CYCLOLEPIS Geinitz, 1868.

1851

439. BLEEKER (1851). *Bornco*, II, etc.
PIETER BLEEKER.

Clupeoides Bleeker, 275; orthotype C. BORNÆNSIS Blkr. is a valid genus distinct from CORICA, according to Weber.

1852

464. GERVAIS (1852). *Zoologie et Paléontologie Françaises*. I.
FRANÇOIS LOUIS PAUL GERVAIS.

Onchosaurus Gervais, 268; orthotype O. RADICALIS Gervais (fossil). Wrongly identified as the tooth of a Mososaur. Replaces ISCHYRHIZA Leidy.

1853

482A. M'COY (1853). *On the Supposed Fish Remains Figured on Plate 4 of the Silurian System*. Quart. Journ. Geol. Soc., IX.

FREDERICK M'COY.

Leptocheles M'Coy, 14; orthotype L. MURCHISONI M'Coy (fossil). A synonym of ONCHUS.

483. OWEN (1853). *Notice of a Batrachoid in British Coal Shale*. Quart. Journ. Geol. Soc., IX, 67-70.

RICHARD OWEN.

Parabatrachus Owen, 67, etc.

1854

503. GIRARD (1854). *Enumeration*, etc.
CHARLES GIRARD.

Heterostichus is misspelled on page 258.

512A. MORRIS (1854). *Catalogue of British Fossils.*

JOHN MORRIS.

Gyrosteus (Agassiz) Morris, 328; orthotype *G. MIRABILIS* Ag. First validation of **GYROSTEUS** and perhaps of some other nominal genera of Agassiz. See No. 614.

1855

521. AYRES (1855). *Description, etc.*

WILLIAM O. AYRES.

Cebidichthys Ayres. This is the original and correct spelling, not **CEBEDICHTHYS**.

530. BLEEKER (1855). *Sumatra, etc.*

PIETER BLEEKER.

Clupeichthys Bleeker, 275; orthotype *C. GONIOGNATHUS* Blkr. This is a valid genus, according to Weber, distinct from **CORICA**.

535A. GERVAIS (1855). *Description d'un poisson fossile du terrain crétacé de la Drome, etc.* Ann. Sci. Nat., III.

FRANÇOIS PAUL LOUIS GERVAIS.

Histialosa Gervais, 322; orthotype *H. THIOLLERI* Gervais (fossil).

543. PETERS (1855). *Uebersicht, etc.*

WILHELM PETERS.

Opsaridium Peters, 269; orthotype *O. ZAMBEZENSE* Peters. Description given as from manuscript by Günther, 1868.

1856

561. HECKEL (1856). *Pycnodonten, etc.*

JOHANN JAKOB HECKEL.

Stemmatodus Heckel, 202; orthotype *PYCNODUS RHOMBUS* Ag. This generic name is not preoccupied. **STEMMATODUS** St. John & Worthen (1875) is preoccupied and replaced by **STEMMATIAS** Hay, 1899.

572. PANDER (1856). *Monographic, etc.*

CHRISTIAN HEINRICH PANDER.

Besides the nominal genera of Russian Silurian fossils listed by Woodward, the following additional names are given by Marshall. These we are not able to verify.

DREPANODUS, 20.

ACODUS, 21.

MACHAIRODUS, 22.

PALTODUS, 24.

ACONTIODUS, 28.

PRIONIODUS, 29.

BELODUS, 30.

CTENOGNATHUS, 32.

GNATHODUS, 33.

PRIONOGNATHUS, 34

STROSIPHERUS, 73.

MONOPLEURODUS, 78.

1857

582A. GIEBEL (1857). *Dichelodus, ein neuer Fisch im Mansfelder Kupferschiefer.* Zeitschr. Gesammt. Naturw., IX, 121-126.

CHRISTOPH (GOTTFRIED ANDREAS) GIEBEL.

Dichelodus Giebel, 121; orthotype *D. ACUTUS* Giebel (fossil).

583. GIRARD (1857). *Contributions*, etc.

CHARLES GIRARD.

Chiropsis Girard, 201; haplotype, as indicated in the *Pacific R. R. Survey*, is *CHIRUS PICTUS* Grd. = *LARRUS SUPERCILIOSUS* Pallas.

1859

664A. PAGE (1859). (*Fossil Fishes; Old Red Sandstone of Scotland.*) Rept. Brit. Assn. Adv. Sci., 1858 (1859).

D. PAGE.

Ictinocephalus Page, 104; orthotype I. *GRANULATUS* Page (fossil). Name only, identical with *ISCHNACANTHUS* Powrie, 1864.

1863

Blepharichthys Gill, misprinted in text on page 302.

1866

834. KNER & STEINDACHNER. *Neue Gattungen*, etc. Abh. Königl. Bayerischen Akad. Wiss. München, X.

RUDOLPH KNER; FRANZ STEINDACHNER.

The correct date of this paper is 1866, the second part issued in 1868, the whole with title page in 1870, according to Hussakof.

1874

1128 and 1129 LÜTKEN (1874). *LEPORELLUS* Lütken, 129 should come under No. 1129, and *GLANIDIUM* Lütken, 31, and *BAGROPSIS* Lütken, 32, should come under 1128, a slip made in printing.

INDEX TO PART III.

(Genera of doubtful standing are marked *d*; synonyms, *s.*)

- Abramidopsis, *s.* 328
 Abramocephalus, *s.* 355
 Acanthaluteres, 340
 Acanthaphritis, 403
 Acantharchus, 332
 Acanthaspis, 379
 Acanthistius, 315
 Acanthobrama, 287, 335
 Acanthocephala, 372
 Acanthochætodon, 383
 Acanthochromis, 324
 Acanthocobitis, 308
 Acanthocybium, 314
 Acanthodopsis, 352
 Acanthodoras, 311
 Acanthogobius, 290
 Acantholatris, 313
 Acantholebius, *s.* 305
 Acantholepis, *s.* 379
 Acanthomullus, *d.* 309
 Acanthonemopsis, 393
 Acanthonotos, *s.* 359
 Acanthonus, 394
 Acanthoperca, *s.* 393
 Acanthorhodeus, 355
 Acanthostracion, 340
 Acaropsis, 381
 Acentracium, *s.* 315
 Acentrogobius, 373
 Acentrophorus, 392
 Acheilognathus, 288
 Achirophichthys, *s.* 335
 Achiroopsis, 387
 Achærodus, 325
 Acodus, *s.* 409
 Acondylacanthus, 380
 Acontiodus, *s.* 409
 Acra, 321
 Acrodobatis, *s.* 391
 Acrodontosaurus, *s.* 355
 Acrogrammatolepis, *s.* 350
 Acronurus, *s.* 307
 Actenolepis, *s.* 364
 Actinogobius, 373
 Adinia, 290
 Aegæonichthys, 394
 Æglefinus, *s.* 391
 Aganodus, *s.* 347
 Agassizodus, *s.* 380
 Ageleodus, 347
 Agenigobio, 397
 Agenor, *s.* 393
 Aglyptosternon, 312
 Agnus, *s.* 296
 Agonomalus, 341
 Agonopsis, 305
 Agrammatolepis, *s.* 350
 Agrammus, 296
 Aida, *s.* 378
 Aillichthys, 361
 Apicichthys, 293
 Akysis, 293
 Alausella, *s.* 303
 Albulichthys, 288
 Alburnoides, *s.* 308
 Aledon, *s.* 301
 Alepidogobius, 373
 Alexandrinus, *s.* 308
 Algoa, 301
 Aloiopsis, 338
 Alosina, 300
 Alticus, *d.* 353
 Alvarius, 290
 Alvordius, 290
 Amacanthus, 381
 Amblyapistus, 384
 Amblychæturichthys, 374
 Amblycirrhitus, 313
 Amblydoras, 311
 Amblyeleotris, 372
 Amblygobius, 374
 Amblypharyngodon, 288
 Amblypomacentrus, 387
 Amblyraja, *d.* 391
 Amblyrhynchichthys, 288
 Amblyscion, 324
 Amblytoxotes, 383
 Amiopsis, *s.* 327
 Amitra, *d.* 402
 Ammocrypta, 390
 Ammopleurops, *s.* 319
 Ammotretis, 319
 Amphicentrum, *s.* 344
 Amphilius, 332
 Amphiplaga, 388
 Amyzon, 364
 Anacyrtus, 333
 Anædopogon, 360
 Anapterus, 371
 Anarmostus, *s.* 328
 Ancharius, 406
 Anchybopsis, 356
 Ancylopsetta, *s.* 331
 Andamia, 289
 Andreioleura, 336
 Anema, *s.* 296
 Anematischthys, 288
 Anisarchus, 331
 Anisochirus, 319
 Anisotremus, 302
 Ankistrodus, *d.* 358
 Anogmius, 360, 388
 Anomalops, 352
 Anomiolepis, *d.* 304
 Anoplagonus, 305
 Anoplarchus, 305
 Anoplogaster, 291
 Anticitharus, 403
 Antliodus, *s.* 342
 Anyperodon, 291
 Aphanepygus, *s.* 398
 Aphyocharax, 351
 Aphyocypris, 351
 Aphyonus, 394
 Aploactisoma, *s.* 363
 Aplocheilichthys, *s.* 321
 Apocope, 363
 Apocryptichthys, 385
 Apocryptodon, 374

- Apostata, *s*, 294
 Aprionodon, 303, 306
 Apseudobranchius, *s*, 313
 Apsopelix, 360
 Apua, 294
 Archæobatis, 397
 Archæogadus, *s*, 339
 Archæoides, *s*, 292
 Archamia, 323
 Archichthys, *s*, 358
 Archoplites, 305
 Archoscion, 313
 Arctozenon, 330
 Argyrotenia, *s*, 302
 Ariopsis, *s*, 303
 Aristeus, *s*, 393, 399
 Arlina, *s*, 290
 Arnoglossus, 310
 Arpagodus, *s*, 401
 Arrhamphus, 340
 Ascelichthys, 404
 Asineops, 356
 Asperulus, *s*, 303
 Aspidichthys, 371
 Aspidobagrus, 312
 Aspidodus, *s*, 342
 Aspidolepis, *d*, 349
 Aspidophorus, *s*, 359
 Aspidopleurus, *s*, 342
 Aspiorhynchus, 400
 Asproperca, *s*, 295
 Astaticthys, *s*, 371
 Astemomycterus, *d*, 296
 Astephus, 368
 Asternopteryx, 307
 Asternotremia, *s*, 390
 Asterosteus, 379
 Asthenurus, *s*, 339
 Astrodoras, 311
 Astroscopus, 295
 Atelurus, 357
 Athena, 301
 Atheresthes, 404
 Atherinella, 381
 Atherinops, 381
 Atherinosoma, 363
 Athrodon, 405
 Atopochilus, 401
 Atopomycterus, 336
 Atractoperca, *s*, 305
 Atractoscion, *d*, 313
 Attakeopsis, *s*, 366
 Aturius, *s*, 394
 Atypus, *s*, 296
 Auchenionchus, 296
 Auchenipterichthys, 311
 Auchenoglanis, 334
 Auchenopterus, *d*, 307
 Aulacosteus, *s*, 295
 Aulichthys, 315
 Auliscops, *s*, 342
 Aulolepis, 408
 Aulorhynchus, 305
 Auluxacanthus, *s*, 347
 Awaous, *s*, 299
 Ayresia, 323
 Bagrichthys, 293, 312
 Bagropsis, 376, 410
 Bairdiella, 302
 Balantiocheilos, 287
 Banjos, 382
 Barbichthys, 287
 Barbodes, 288
 Barbodon, *s*, 364
 Barynotus, 351
 Bascanius, *d*, 353
 Batacanthus, 381
 Batasio, 294
 Bates, *d*, 392
 Bathyanthias, 403
 Bathycheilodus, *s*, 380
 Bathydraco, 394
 Bathygobius, 393
 Bathylagus, 395
 Bathymaster, 368
 Bathynectes, 394
 Bathyophis, 394
 Bathypterois, 395
 Bathysaurus, 395
 Bathystoma Scudder, 328
 Bathystoma Fitzinger, *s*,
 369
 Bathythrissa, *s*, 389
 Bathytroctes, 395
 Belobranchus, 372
 Belodus, 409
 Belonesox, 298
 Belonichthys, 353
 Bembrops, 387
 Bendilisis, *s*, 288
 Benedenius, *s*, 396
 Peridia, *s*, 388
 Blakea, *s*, 387
 Blanchardia, *s*, 378
 Bleekeria, *s*, 368
 Bleekeria, 318
 Blennicottus, 305
 Blennioclinus, 295
 Blennodesmus, 361
 Blepharichthys, 302, 410
 Bliccopsis, *s*, 328
 Bogota, 294, 383
 Bola, *s*, 351
 Boleichthys, 290
 Boleops, *s*, 326
 Boopsidea, 301
 Boreocottus, *s*, 290
 Boreogadus, 318
 Boreogaleus, 306
 Boreogobius, 326
 Bostockia, 368
 Bowenia, 369
 Brachaluteres, 340
 Brachyacanthus, *s*, 295
 Brachyalestes, 333
 Brachyamblyopus, 374
 Brachyconger, *s*, 335
 Brachydeuterus, 313
 Brachydirus, 404
 Brachyeleotris, 373
 Brachygadus, *s*, 316, 325
 Brachygenys, 353
 Brachygobius, 373
 Brachygramma, *s*, 337
 Brachyichthys, 321
 Brachyistius, 316
 Brachymesistius, *s*, 325
 Brachymullus, 383
 Brachymystax, 340
 Brachyopsis, 304, 305
 Brachyplatystoma, 312
 Brachypleura, 319
 Brachypomacentrus, 387
 Brachyprosopon, *s*, 310
 Brachyrhamphichthys, *s*,
 357
 Brachyrhinus, *s*, 315
 Brachyrhynchus, *s*, 360
 Brachyspondylus, 339
 Brachysynodontis, 311
 Brama, *s*, 312
 Bramocharax, 389
 Bramopsis, *s*, 300

- Branchiosteus, 318
 Breviperca, 378
 Brevoortia, 303
 Brisbania, 388
 Brochis, 363
 Brommophycis, 305
 Bryactinus, 379
 Bryconethiops, 369
 Bryconops, 292
 Buglossus, *s*, 319
 Bungia, 308
 Bunocottus, 352
 Butis, 372
 Byssacanthus, 309
 Bythiacanthus, 381
 Cachius, *s*, 351
 Cænotropus, 333
 Cæsiosoma, *d*, 383
 Calamoichthys, 343
 Calamostoma, *s*, 328
 Calleotris, *s*, 326
 Calliclinus, 296
 Callogobius, *s*, 373
 Callomystax, 332
 Calloptilum, *s*, 366
 Callyodontichthys, 300
 Calopodus, 380
 Camarina, 293
 Campylomormyrus, 372
 Campylopleuron, *s*, 346
 Carangops, *s*, 316
 Carangus, *s*, 291
 Careproctus, 308
 Carpionichthys, *s*, 322
 Catastoma, *s*, 312
 Cathetostoma, *s*, 305
 Caularchus, 317
 Caulolatilus, 316
 Caulopus, 314
 Cayennia, 405
 Cebidichthys, 409
 Cenchrodus, 407
 Centroberyx, 315
 Centriscops, 315
 Centrobrennius, 302
 Centrogobius, 373
 Centropholis, 395
 Centrophorus, *s*, 292
 Centropogon, 296
 Centropterus, 301
 Centropus, 298
 Centropyge, *s*, 298
 Centrocymnus, 329
 Cephalogobius, 373
 Cephalopsis, *s*, 369
 Cephalopterus, *s*, 359
 Cephaloscyllium, 306
 Cepenoplosus, *s*, 377
 Ceratacanthus, 303
 Ceratocottus, 290
 Ceratoscopelus, 333
 Cestracion, *s*, 303, 306
 Cetengraulis, 351
 Chænobryttus, 332
 Chænogaleus, 306
 Chænomugil, *d*, 324
 Chænopsetta, 303, 331
 Chænopsis, 323
 Chænothorax, 394
 Chætodontoplus, 383
 Chætodontops, 383
 Chalcinopsis, *s*, 327
 Champsocephalus, 306
 Champsodon, 345
 Channalabes, 369
 Chanodichthys, 288
 Characidium, 343
 Characodon, 340
 Characodus Ag., *d*, 320
 Characodus Owen, *s*, 347
 Chasmistes, 396
 Cheiliopsis, 328
 Cheilolabrus, *s*, 387
 Cheimarrichthys, 375
 Cheirothrix, 342
 Chelidonichthys, 370
 Chelmonops, 383
 Chiasmodon, 327
 Chiastodus, 401
 Chiloglanis, 353
 Chirocentron, 351
 Chirodactylus, 313
 Chirodus, 408
 Chiropsis, *s*, 410
 Chitonodus, 405
 Chloroscombrus, 291
 Chærojulis, *s*, 314
 Chæroplotosus, *s*, 334, 338
 Cholodus, 380
 Chondroplites, 314
 Chonophorus, 299
 Chorististium, 313
 Chriolax, *s*, 396
 Chriomitra, *s*, 400
 Chriope, 396
 Chromis, *s*, 318
 Chrysophekadion, *s*, 287
 Cirrhinichthys, 321
 Cirrhiptera, *s*, 383
 Cirrhitopsis, *s*, 313
 Cirrimens, 313
 Citharichthys, 310
 Citharædus, 297
 Citharus, *s*, 310
 Clara, *s*, 314
 Clastes, *d*, 368
 Clathrolepis, 330
 Clidoderma, 310
 Clinocottus, 305
 Clupeichthys, 409
 Clupeoides, 408
 Clupeonella, 391
 Clupeops, 402
 Cnidoglanis, 332
 Coccia, *s*, 333
 Cochlodon, 332
 Codonolepis, *s*, 350
 Coinolepis, *s*, 350
 Coliscus, *s*, 363
 Collichthys, 296
 Conchiopsis, *s*, 368
 Conchopoma, 352
 Congrogadus, 318
 Conorhynchus, *s*, 303
 Conosaurops, *d*, 352
 Copelandia, *s*, 390
 Copiodoglanis, *s*, 332
 Copodus, 320
 Coradion, 297
 Coridodax, 318
 Coryphogobius, *s*, 326
 Coryphopterus, *s*, 325
 Cosmocheilus, 397
 Cosmodus, 401
 Cosmoptychius, *s*, 392
 Cossyphodes, *s*, 293
 Cottapistus, 384
 Cottogaster, 328
 Cottoperca, 381
 Cottunculus, 379
 Cotylopus, 332
 Couesius, 395
 Cranodus, 401

- Cranoglanis, 405
 Crapatalus, 308
 Cratinus, 397
 Crayracion, *s*, 340
 Creagrutus, 333
 Creatochanes, 333
 Credemnolepis, *s*, 349
 Cremnobates, *d*, 308
 Crenicara, 381
 Crenuchus, 326
 Crepidogaster, *s*, 307
 Crinodus, 313
 Cristivomer, 395
 Crommiolepis, *d*, 350
 Crommyodus, 356
 Crossocheilichthys, 321
 Crossognathus, 292
 Crossostoma, 397
 Crotalpis, 297
 Cryptocentrus, 374
 Cryptopterus, *d*, 297
 Cryptosmia, *s*, 344
 Cryptotomus, 361
 Crystallogobius, 326
 Ctenognathus, *s*, 409
 Ctenolates, 361
 Ctenolucius, 302
 Ctenopetalus, 320
 Ctenopharyngodon, 343
 Ctenotrypauchen, *s*, 348
 Cuius, *s*, 372
 Curimatopsis, 387
 Curtodus, 347
 Cyclocheilichthys, 288
 Cyclogobius, *s*, 299
 Cycloides, *d*, 398
 Cyclolepis, *d*, 349
 Cyclonarce, *s*, 307
 Cycloptychius, 344
 Cyclospondylus, *s*, 347
 Cyclotomodon, 385
 Cyema, 395
 Cymatodus Newberry &
 Worthen, *d*, 359
 Cymatodus Trautschold,
 d, 401
 Cymolutes, 318
 Cynocephalus, 306, 407
 Cynolebias, 387
 Cynoperca, 390
 Cynoscion, 304
 Cyprinopsis, *s*, 339
 Cyrtacanthus, *d*, 371
 Cyttopsis, 314
 Dacentrus, *s*, 396
 Dactylagnus, 318
 Dactylanthias, 367
 Dactylopus, 342
 Dactylopagrus, 313
 Dactyloporus, 339
 Dactylopus, 290
 Dactylosargus, 313
 Dactyloscopus, 290
 Dactylosparus, *s*, 314
 Dallia, 398
 Dampiera, 378
 Dapedoglossus, *s*, 388
 Daptinus, *s*, 364
 Dasyscopelus, 333
 Datnioides, *s*, 294
 Decaptus, *s*, 309
 Decodon, 318
 Dekaya, *s*, 323
 Deltentosteus, 325
 Deltodopsis, 405
 Deltodus, 320
 Deltoptychius, 320
 Dendroptychius, 344
 Dermatoptychus, *s*, 339
 Dermatostethus, *d*, 317
 Desmichthys, 392
 Desmiodus, 380
 Deuteropterus, 304
 Devario, *s*, 288
 Dianema, 363
 Diaphanichthys, *s*, 334
 Diaphyodus, *s*, 328
 Diastichus, 356
 Dibbranchus, 379
 Dicentrarchus, 296
 Dichelodus, 409
 Dicrosus, 381
 Dierotus, 297
 Didymaspis, 346
 Dimalacocentrus, *s*, 325
 Dinemus, *s*, 298
 Dinichthys, 371
 Dinolestes, 366
 Diphriasa, *s*, 379
 Diplocheilichthys, 287
 Diplocrepis, 307
 Diplognathus, 397
 Diplolepis, *s*, 328
 Diplomystax, *s*, 332
 Diplomystes, 311
 Diplomystus, *d*, 388
 Diplophos, 369
 Diplophysa, 376
 Diplotomodon, 352
 Diplurus, 396
 Dipriacanthus, 408
 Dipristis Gervais, *s*, 354
 Dipristis Marsh, *d*, 359
 Diproctacanthus, 309
 Diptychus, 343
 Diretmus, 326
 Dirrhizodon, 358
 Disceus, 389
 Dischistodus, 324
 Discobatus, *s*, 402
 Discognathichthys, 287
 Discus, 399
 Distæchodon, 404
 Ditaxiodus, *s*, 342
 Dittodus, *s*, 346
 Doliichthys, 376
 Doliodon, *s*, 291
 Doratonotus, 318
 Dormitator, 302, 316
 Doumea, 401
 Drepanacanthus, *s*, 342
 Drepanephorus, 365
 Drepanodus, *s*, 409
 Drepanopsetta, *s*, 303
 Dypterolepis, *s*, 349
 Dysichthys, 374
 Echiichthys, 301, 309
 Echiopsis, *s*, 297
 Ectosteorhachis, *s*, 402
 Edelia, *s*, 368
 Egertonia, 329
 Elaphocottus, *s*, 397
 Elasmognathus, *s*, 397
 Elassoma, 390
 Elattonistius, *s*, 390
 Electrophorus, 330
 Eleginops, 306
 Eleotriodes, *d*, 373
 Eleotrioides, *s*, 372
 Eleutheractis, *s*, 361
 Eleutherochir, 398
 Eleutheronema, 310
 Ellerya, *s*, 367

- Ellipsodus, 389
 Elopichthys, 288
 Elopomorphus, 394
 Embalorhynchus, 359
 Empo, 364
 Enchelurus, 328
 Enchelyopus, *s.* 310
 Enchelyurus, 353
 Engyprosoyon, 319
 Enneacanthus, 332
 Enneacetrus, 337
 Enoploplithalmus, 405
 Entelurus, *s.* 357
 Euteromius, 344
 Entomacrodus, 289
 Entosphenus, 317
 Entoxychirus, *s.* 317
 Epapterus, 393
 Epicopus, *s.* 296
 Epigonichthys, 391
 Epiplatys, 314
 Episema, *s.* 390
 Ericheta, *s.* 391
 Ericosma, 390
 Ericymba, 336
 Erinizon, 386
 Erinemus, 386
 Erisichthe, *s.* 364
 Erismatopterus, 356
 Eritrema, *s.* 384
 Eroqala, 395
 Erotelis, 299
 Erpetoichthys, *s.* 339
 Estheria, 319
 Estrella, *s.* 290
 Eteira, *s.* 297
 Eucalia, 386
 Eucentrarchus, 332
 Eucephalaspis, *s.* 358
 Euchalarodus, *s.* 331
 Euchoristopus, 326
 Eucliptosternum, *s.* 332
 Euctenogobius, 289
 Eucyclogobius, 316
 Eugaleus, *s.* 330
 Eugomphodus, *d.* 303, 331
 Eukeraspis, *s.* 358
 Eulamia, *s.* 306
 "Eulepidotæ," *s.* 347
 Eulepidotus, 349
 Euleptorhamphus, 289
 Eumeda, *s.* 393
 Eumesogrammus, 331
 Eumicrotremus, 317, 331
 Eumylodus, *s.* 370
 Euphysocara, 325
 Eupleurogrammus, 314
 Eupomacentrus, 387
 Eupomotis, 389
 Euprotomicrus, 331
 Eurycornus, *s.* 329
 Eurypegasus, *s.* 322
 Eurypoma, *s.* 341
 Euryosomus, *s.* 344 (mis-
 printed Euryosomus
 on page 344)
 Eurystethus, 392
 Euschistodus, *s.* 315
 Eusebastes, *s.* 397
 Eusphyra, 306
 Eustira, 351
 Eustomatodus, *s.* 316
 Euthacanthus, *s.* 334
 Euthyonotus, 300
 Eutropiichthys, 310
 Eutychelithus, *s.* 386
 Evepigymnus, *d.* 316
 Evoplites, 315
 Evorthodus, 289
 Evoxymetopon, 325
 Exomegas, 348
 Exostoma, 294
 Fissodus, 380
 Fitzroyia, 340
 Fundulichthys, 288
 Furcaria, 299
 Galeoides, 297
 Gampsacanthus, 381
 Ganacrodus, *d.* 347
 Ganolodus, *s.* 347
 Ganorhynchus, 371
 Gasterosteia, *s.* 377
 Gastræa, *s.* 377
 Gastrodus, *s.* 347
 Gastromyzon, 375
 Gastropterus, *s.* 394
 Geisacanthus, *s.* 381
 Genyagnus, 305
 Genyatremus, 316
 Genyonemus, 304
 Genytremus, *s.* 310
 Gerreomorpha, 387
 Gibbonsia, 323
 Giffonus, 312
 Gillia, *s.* 334
 Gillichthys, 323
 Girardinichthys, 294
 Girellichthys, *s.* 366
 Giuris, *s.* 401
 Glanidium, 376, 410
 Glaucus, *s.* 321
 Glossamia, 323
 Glossanodon, 341
 Glossichthys, *s.* 303
 Glossogobius, 290
 Glymmatacanthus, 381
 Glyphidodontops, *s.* 387
 Glyphis, 407
 Glyphodes, *s.* 332
 Glyptauchen, 296
 Glyptolemus, *s.* 287
 Glyptothorax, *s.* 294
 Gnathagnus, 305
 Gnathendalia, 301
 Gnathocentrum, *s.* 341
 Gnathodentex, 367
 Gnathodus, 409
 Gnatholepis, 373
 Gnathonemus, 317
 Gnathophis, *d.* 297
 Gnathopogon, *s.* 288
 Gnathypops, 316
 Gobichthys, *s.* 361
 Gobileptes, *d.* 374
 Gobiobarbus, *s.* 354
 Gobioclinus, 295
 Gobiomorphus, 326
 Gobionellus, 291
 Gobiomichthys, 321
 Gobiopsis, 299
 Gobiopterus, 373
 Gobiopus, *d.* 375
 Gobiosoma, *s.* 364
 Gogrius, *s.* 344
 Gompholepis, 362
 Gonatodus, 392
 Goniistius, 314
 Goniobatis, *s.* 361
 Goniolepis, *s.* 350
 Gonionarce, *s.* 307
 Gonioperca, *s.* 315
 Gonioplectrus, 315
 Gonocheilichthys, 383

- Gonoproktopterus, 288
 Gonostomyxus, 355
 Goodea, 400
 Gramma, 353
 Grammateus, 376
 Grammatopleurus, *s*, 305
 Grammatoreynus, 314
 Grammicolepis, 371
 Grammiconotus, 312
 Graodus, *s*, 351
 Graphiurus, 341
 Gronias, 329
 Gryphodobatis, 391
 Guavina, 372
 Gulliveria, *s*, 393
 Gunnellops, 372
 Guntheria, 309
 Gymnallabes, 345
 Gymnecipignathus, *d*, 316
 Gymnelcotris, 372
 Gymnobutis, 372
 Gymnocæsius, 382
 Gymnocranius, 358
 Gymnocrotaphus, 291
 Gymnoocypris, 351
 Gymnodus, 361
 Gymnogobius, *s*, 326
 Gymnopropoma, *s*, 325
 Gymnosarda, 314
 Gymnoscapelus, 369
 Gymnotes, 330
 Gyropleurodus, 317
 Gyrosteus, 409
 Habrolepis, *s*, 369
 Hæmulopsis, *s*, 355
 Halælorus, 306
 Halargyreus, 318
 Halatractus, *s*, 317
 Halias, *s*, 293
 Halidesmus, 361
 Halicutichthys, 324
 Haligenes, *s*, 292
 Haliichthys, 291
 Haliperca, 315
 Halophrync, 324
 Haloporphyrus, *d*, 318
 Halosaurus, 327
 Hannovera, 360
 Haplodonotus, *s*, 304
 Hara, *s*, 294
 Harpacodus, *s*, 320, 380
 Harpactes, *s*, 385
 Harpactira, 385
 Harttia, 387
 Hectoria, *s*, 368
 Hedronchus, *d*, 385
 Heliobatis, *d*, 391
 Heliodus, *s*, 379
 Heliolepis, 350
 Helioperca, *d*, 390
 Helminthodes, 331
 Helminthostoma, *s*, 357
 Helodopsis, 401
 Helogenes, 326
 Helotosoma, *s*, 327, 383
 Hemiancistrus, 311
 Hemianthias, 377
 Hemiaris, 311
 Hemibagrus, 312
 Hemibarbus, 288
 Hemibrycon, 333
 Hemictopsis, 311
 Hemichætodon, 384
 Hemiconiatus, *d*, 357
 Hemiculter, 288
 Hemicyclaspis, 358
 Hemicyclolepis, *d*, 350
 Hemicyclus, 350
 Hemielopopsis, 398
 Hemiglyphidodon, 398, 402
 Hemigobius, 373
 Hemigonolepis, *s*, 350
 Hemigymnus, *s*, 308
 Hemilampronites, *d*, 350
 Hemilopas, *d*, 408
 Hemiloricaria, 311
 Hemilutjanus, 382
 Hemiodontichthys, 311
 Hemioplites, *s*, 344
 Hemiplatystoma, *s*, 312
 Hemirhamphodon, 340
 Hemirhombus, *s*, 310
 Hemirhynchus, 346
 Hemisaurida, 346
 Hemisciæna, *s*, 321
 Hemisorubim, 312
 Hemisynodontis, 311
 Hemitaenrichthys, 383
 Hemitautoga, 309
 Hemithyrsites, 371
 Hemitremia, 356
 Hemitrichas, 392
 Hemixiphophorus, *s*, 288
 Heptadecacanthus, *s*, 387
 Herpetoichthys, *s*, 338
 Heterelcotris, 373
 Heterobagrus, 329
 Heterocheerops, 343
 Heteroclinus, 363
 Heteroconger, 348
 Heterolepidotus, *d*, 365
 Heterolepis, *d*, 336
 Heteroleuciscus, 376
 Heteroprosopon, *s*, 310
 Heteroscarus, 363
 Heterostichus, *s*, 300, 408
 Heterostrophus, 329
 Heterothrissa, 351
 Heterothrissops, *s*, 381
 Heterythrinus, *s*, 332
 Hexapsephus, 385
 Hippoglossina, 387
 Histialosa, 409
 Histiophryne, 324
 Holanthias, 351
 Holaspis, *s*, 370
 Holcolepis, 339, 352
 Hollardia, 308
 Holophagus, *s*, 301
 Holopterura, 361
 Holorhinus, 317
 Holotaxis, 356
 Holotrachys, 369
 Holoxenus, *s*, 385
 Homacanthus, *s*, 295
 Homalogrystes, *s*, 387
 Homalorhynchus, *s*, 367
 Homoeolepis, *s*, 300
 Hoplarchus, *s*, 297
 Hoplobrotula, 325
 Hoplocoryphis, 314
 Hoplonchus, 385
 Hoplonotus, *s*, 341
 Hoplopagrus, 304
 Hoplunnis, 297
 Hucho, 340
 Hybocladodus, 380
 Hybodopsis, 392
 Hydrocyonoides, *s*, 301
 Hydrolagus, 317
 Hydrophlox, 395
 Hygrogonus, *s*, 318
 Hymenolomus, *s*, 357

- Hypamia, 370
 Hyperistius, *s.*, 332
 Hyperoglyphe, 291
 Hyperopisus, 314
 Hyperoplus, 318
 Hycleurochilus, 302
 Hypocritichthys, 316
 Hypogymnogobius, 373
 Hypohomus, 355
 Hypolycodes, 403
 Hypomesus, 313
 Hypophthalmichthys, 288
 Hypoplectrodes, 315
 Hypoplectrus, 315
 Hypoplites, 315
 Hypopomus, 330
 Hypoprionodon, 306
 Hypopterus, 304
 Hypoptopoma, 351
 Hypoptychus, 406
 Hyporhamphus, 289
 Hyporthodus, *s.*, 304
 Hysagonus, 305
 Hyselobagrus, *d.*, 312
 Hyselobarbus, 288
 Hysplectris, 326
 Hyspicometes, *d.*, 403
 Hyspifario, 317
 Hyspigenys, *s.*, 308
 Hysiptera, *s.*, 297
 Hysobleinnius, 302
 Hysocormus, 300
 Hysopsetta, 317, 331
 Hysurus, 300
 Hysypops, 305
 Hypterus, *s.*, 386
 Hyptius, *s.*, 330
 Hystricodon, 333
 Iaus, *s.*, 288
 Ichthyborus, 333
 Ichthyodectes, 356
 Ichthyomyzon, 291
 Ichthyorhamphos, *s.*, 301
 Ichthyotringa, *s.*, 394
 Icichthys, 404
 Icosteus, 404
 Ictinocephalus, *s.*, 334, 410
 Idiacanthus, 386
 Iguanodectes, 363
 Imostoma, 390
 Incisidens, 316
 Inermia, 299
 Iniistius, 314
 Ioa, 395
 Ipnots, 395
 Irex, *s.*, 321
 Isichthys, 317
 Isistius, 331
 Isocephalus, *s.*, 321
 Isocolum, *s.*, 349
 Isognatha, *s.*, 303
 Isogomphodon, 306
 Isopisthus, 313
 Isoplagiodon, 306
 Isosillago, 396
 Isotenia, 379
 Isuropsis, 306
 Itaiara, *s.*, 397
 Jenynsia, *s.*, 341
 Jerdonia, 356
 Jordaniella, 399
 Joturus, 299
 Kallostrakon, *s.*, 358
 Kathetostoma, 296
 Kneria, 343
 Kuhlia, 304
 Kymatolepis, 349
 Kymatopetalolepis, *s.*, 349
 Labidesthes, 356
 Labracinus, 383
 Labracoglossa, 342
 Labrastrum, *s.*, 296
 Labropera, *s.*, 315
 Labyrinthodontosaurus, *s.*,
 366
 Lacedaedia, 367
 Ladislavia, 354
 Læmolyta, 363
 Læmonema, 318
 Læops, 403
 Lagochila, *d.*, 391
 Laides, 293
 Lais, *s.*, 293
 Lambdodus, 380
 Lamiopsis, *s.*, 306
 Lanioperca, *s.*, 365
 Larimodon, *s.*, 383
 Latebrus, *s.*, 298
 Latridopsis, 314
 Latrunculodes, 379
 Latrunculus, 307
 Laubuca, 288
 Lebetus, 392
 Lebistes, 301
 Lecracanthus, 381
 Lefroyia, *s.*, 375
 Leiarius, 312
 Leiodus, 380
 Leioplepis, *s.*, 369
 Leiosynodontis, *s.*, 311
 Leius, *s.*, 338
 Lembus, *s.*, 291
 Lentipes, 307
 Lepidamia, 323
 Lepidaplois, 314, 325
 Lepidoblennius Steind.,
 348
 Lepidoblennius Sauvage,
 s., 376
 Lepidocephalichthys, 322
 Lepidocheilodon, 383
 Lepidocottus, 380
 Lepidocybium, 314
 Lepidomeda, 375
 Lepidomegas, *s.*, 406
 Lepidopsetta Gill, 317, 331
 Lepidopsetta Gthr., 403
 Lepidorhombus, 319
 Lepidorhynchus, 398
 Lepidosoma, *s.*, 407
 Lepidotrigla, 296
 Lepidozygus, 318
 Leporellus, 376, 410
 Lepracanthus, 355
 Leptagonus, 305
 Leptarius, *s.*, 324
 Leptecheneis, *s.*, 330
 Leptobarbus, 288, 321
 Leptoblennius, 295, 302
 Leptobotia, 355
 Leptobrama, 397
 Leptocarcharias, *s.*, 357
 Leptocheles, *s.*, 408
 Leptochromis, 382
 Leptoclinus, 302
 Leptogadus, *d.*, 325
 Leptogaster, 362
 Leptogobius, 373, 377
 Leptogrammatolepis, *s.*,
 349, 350
 Leptojulius, 309
 Leptolepis, 345
 Leptomylus, 354

- Leptopegasus, 367
 Leptoperca, 306
 Leptophidium, 324
 Leptopterygius, 300
 Leptoscopus, 290
 Leptosomus, 328
 Leptosynanceia, 374
 Leptotrachelus, 328
 Lepturus, 302
 Leucichthys, 375
 Leucoparion, 403
 Leucoraja, 391
 Leuresthes, 403
 Leurynnis, *s.*, 400
 Liachirus, 319
 Limia, 308
 Limmurgus, *s.*, 340
 Linophora, 297
 Liobagrus, 395
 Liocasio, 382
 Liodesmus, 329
 Liognathus, *s.*, 371
 Liomonacanthus, *s.*, 340
 Lioperca, *s.*, 315
 Liopropoma, 304
 Liopsetta, 331
 Liosaccus, 357
 Lioscorpius, 403
 Liposarcus, 332
 Lisgodus, 380
 Lissorhynchus, *s.*, 287
 Listracanthus, 359
 Lithichthys, 356
 Lithodoras, *s.*, 311
 Lobodus Ag., 320
 Lobodus Costa, 340
 Lonchopisthus, 316
 Lophacanthus, *s.*, 406
 Lophiogobius, 369
 Lophiopsides, 345
 Lophiosilurus, 387
 Lophodus Symonds, 309
 Lophodus Romanowsky,
 s., 334
 Lophodus Newberry &
 Worthen, *s.*, 359
 Lophogobius, 316
 Lopholatilus, 400
 Lophonectes, 403
 Lophoprionolepis, *d.*, 350
 Lophopsetta, 303, 331
 Loricariichthys, 311
 Lucania, 290
 Lucifuga, 298
 Luciobrama, 355
 Luciocharax, *s.*, 401
 Luciogobius, 290
 Luciotrutta, 340
 Lutkenia, *s.*, 387
 Lycengraulis, 351
 Lycichthys, 389
 Lycocyprinus, 353
 Lycodalepis, 372
 Lycodopsis, 399
 Lycothrissa, 351
 Lyrichthys, 370
 Lythrurus, 386
 Machærochilus, *s.*, 369
 Machairoodus, *s.*, 409
 Machephilus, *s.*, 346
 Macolor, 294
 Macrocephalus, *s.*, 383
 Macrochirichthys, 288
 Macrodonophis, *s.*, 347
 Macrolepis, 327
 Macronotothen, 306
 Macropharyngodon, 309
 Macrohipis, *s.*, 329
 Macrozoarces, 325
 Macruronus, 365
 Macuroplis, 372
 Mænas, *s.*, 382
 Mænichthys, *s.*, 383
 Malacobagrus, 312
 Malacocentrus, 314
 Malacocephalus, 318
 Malacoctenus, 295
 Malacorhina, 389
 Mancalias, 394
 Marcusenius, 314
 Marracanthus, 381
 Mascalongus, 396
 Maynea, 361
 Mayoa, 354
 Megagobio, 386
 Megalobrama, 364
 Megalobrycon, *s.*, 354
 Megalocottus, 305
 Megalolepis, 400
 Megalopterus, 341
 Megaperca, *s.*, 395
 Megapus, *s.*, 339
 Megarasbora, 351
 Melambaphes, 326
 Melamphaës, 333
 Melanocetus, 333
 Melanogenes, 321
 Melanogrammus, 316
 Melanonus, 394
 Melanotenia, 316
 Melletes, 398
 Menephorus, 362
 Menticirrhus, 304
 Mentiperca, 315
 Mesobatis, 391
 Mesodmodus, 380
 Mesogobius, 373
 Mesogomphus, *s.*, 320
 Mesogonistius, 332
 Mesolepis, 344
 Mesonauta, 318
 Mesopristes, *s.*, 382
 Mesops, 318
 Mesopus, *s.*, 313
 Mesturus, 321
 Metoponops, *s.*, 331
 Metrogaster, *s.*, 300
 Metynnus, 394
 Micracanthus, *s.*, 400
 Mieraspius, 354
 Micristius, *s.*, 337
 Micristodus, *s.*, 337
 Microbuglossus, 319
 Microcælia, 328
 Microconodus, *s.*, 392
 Microdesmus, 333
 Microdus, *s.*, 292
 Microgadus, 337
 Microgobius, 379
 Microgrammatolepis, *s.*,
 350
 Microlepidotus, 316
 Micromesistius, 325
 Micromesus, 337
 Micromugil, *s.*, 307
 Microperca Putnam, 328
 Microperca Castelnau, *s.*,
 362
 Micropetalolepis, *s.*, 349
 Micropus, *s.*, 352
 Microscyidium, 373
 Microspathodon, *d.*, 318
 Microtrigla, 369

- Microzeus, 294
 Mimoperca, *s.* 390
 Minytrema, 395
 Mionorus, *d.* 346
 Mioplosus, 388
 Mirbelia, 329
 Mitroodus, *s.* 347
 Mixogrammatolepis, *s.* 350
 Mogurnda, 326
 Moharra, *d.* 379
 Monolene, 403
 Monopleuroodus, *s.* 409
 Monoprion, 298
 Morara, *s.* 287
 Mormyroides, 314
 Moronopsis, *s.* 324
 Mrigala, *s.* 287
 Mullhyphenus, 347
 Murænolepis, 403
 Murrayia, *s.* 362
 Mycteroperca, 315
 Mylax, *s.* 320
 Myledaphus, 385
 Mylocyprinus, 359
 Myloleucus Cope, *s.* 363
 Myloleucus Gthr., *s.* 369
 Mylopharyngodon, 404
 Mylorhina, 337
 Myrichthys, 290
 Myriolepis Egerton, 330
 Myriolepis Lockington, *s.*
 404
 Myriosteon, *s.* 332
 Myroconger, 357
 Mystacoleucus, 351
 Myxine, 406
 Myxocyprinus, 394
 Myxodagnus, 305
 Myxus, 307
 Myzopsetta, *s.* 303, 331
 Nandopsis, 315
 Nangra, 385
 Nannæthiops, 361
 Nannocampus, 357
 Nannocharax, 345
 Nannoperca, 307
 Nannostomus, 365
 Nanostoma, 390
 Narcacion, *d.* 303, 340
 Naucratopsis, 317
 Nautichthys, 290
 Navarchus, *s.* 289
 Nealotus, 338
 Neetroplus, 341
 Nemacanthus, *s.* 327
 Nematagnus, 305
 Nematistius, 316
 Nematobrotula, 325
 Nematocentris, *s.* 342
 Nematops, 403
 Nematoptychius, 382
 Nemochirus, *s.* 407
 Neoanthias, *s.* 393
 Neoarius, 388
 Neoatherina, *s.* 378
 Neoblennius, 378
 Neocarassius, 363
 Neoceratodus, *d.* 384
 Neochæton, *s.* 368
 Neochanna, 345
 Neocirrhites, *s.* 368
 Neoconger, 291
 Neogunellus, *s.* 378
 Neolabrus, 381
 Neolethrinus, 378
 Neoliparis, 381
 Neomænis, 291
 Neomesoprion, *s.* 378
 Neomordacia, *s.* 363
 Neomuræna, *s.* 291
 Neomyrpristis, 367
 Neomyxus, 397
 Neoniphon, 378
 Neoodax, *s.* 378
 Neophrynichthys, 385
 Neoplatycephalus, 362
 Neoplotosus, 378
 Neorhombus, 378
 Neoscopelus, *s.* 378
 Neosebastes, 345
 Neosillago, 378
 Neosilurus Steind., 348
 Neosilurus Castelnau, *s.*
 388
 Neosphyræna, *s.* 362
 Neosudis, 368
 Neotephræops, *s.* 362
 Neptomenus, 297
 Neotrygon, 368
 Neozoarces, 406
 Nesiarchus, 319
 Notarius, 324
 Nothobranchius, 353
 Nothonotus, 328
 Notoglanis, 332
 Notograptus, 345
 Notophthalmus, *s.* 292
 Notoscopelus, 333
 Novaculichthys, 309
 Ochetobius, 351
 Ochlodus, *s.* 347
 Octinaspis, 377
 Octogrammus, *s.* 372
 Octonema, *s.* 352
 Ocyurus, 315
 Odontamblyopus, 374
 Odontanthias, 367
 Odonteleotris, 326
 Odontobutis, 372
 Odontogadus, 325
 Odontogobius, 374
 Odontolabrax, 367
 Odontonectes, 291
 Odontopyxis, 400
 Odontoscion, 313, 315
 Odontostilbe, 356
 Oenoscopus, *s.* 330
 Oligobelus, 356
 Oligocephalus, 290
 Oligolepis, 373
 Oligoplites, 324
 Oligorus, 291
 Oligosarcus, 333
 Omalopleurus, *s.* 368
 Ompax, *d.* 399
 Onchosaurus, 408
 Oncobatis, 362
 Oncocottus, 302, 313
 Oncopterus, 381
 Oncorhynchus, 299
 Oneiroides, 362
 Onychodon, *s.* 364
 Onychognathus, 343
 Oolepis, *s.* 350
 Ophioblennius, 296
 Ophiocara, 326
 Ophioclinus, 363
 Ophiogobius, 326
 Ophioscion, 324
 Ophthalmolepis, 300
 Ophthalmolophus, 296
 Opisthistius, 316
 Opisthocentrus, 352

- Opisthonema, 303
 Opisthopterus, 303
 Opisthopteryx, 342
 Opistocheilus, *s*, 287
 Oplopomus, 299
 Opsaridium, *s*, 351, 409
 Opsariichthys, 322
 Opsarius, *s*, 338
 Opsopœodus, 403
 Orcynopsis, 314
 Oreias, *s*, 376
 Oreonectes, 351
 Orfus, *s*, 369
 Oricardinus, 388
 Orthichthys, 315
 Orthodon, *s*, 295
 Orthognathus, *s*, 366
 Orthopleurodus, *s*, 405
 Orthopristis, 291
 Orthopsetta, 317
 Orthostæchus, 316
 Orthostomus, 352, 373
 Orthurus, 341
 Orycnus Gill, *s*, 315
 Orycnus Cooper, *s*, 323
 Osmerolepis, 379
 Osphyolax, *s*, 379
 Osteochilus, 351
 Osteorachis, 349
 Ostracacanthus, 399
 Othos, 378
 Otocinclus, 363
 Owsianka, *s*, 313
 Oxychætodon, 383
 Oxycheilinus, 315
 Oxyconger, 335
 Oxyeleotris, 372
 Oxyjulis, 325
 Oxylabrax, *s*, 382
 Oxylebius, 316
 Oxyloricaria, 311
 Oxymacrus, 372
 Oxymetopon, 300, 373
 Oxymonacanthus, 340
 Oxymormyrus, 372
 Oxyporhampus, 326
 Oxytomodus, 406
 Oxyurichthys, 294
 Pachychilon, 343
 Pachymetopon, 291
 Pachypops, 304
 Pachystetus, *s*, 376
 Pagrichthys, 293
 Palædaphus, 329
 Palænichthys, *s*, 370
 Palæobrosmius, *s*, 292
 Palæogadus, *s*, 292
 Palæolycus, 327
 Palæoscyllium, *s*, 298
 Palæospinax, 365
 Palanarrhichas, 361
 Palimphemus, 319
 Palinurichthys Bleeker, 288
 Palinurichthys Gill, *s*, 295, 302
 Paltodus, 409
 Pammelas, *s*, 297
 Panchax, *s*, 407
 Pangio, *s*, 294
 Pantodon, 391
 Pantosteus, 384
 Pappichthys, 368
 Parabagrus, 312
 Parabalistes, 340
 Parabatrachus, 408
 Parabembras, 372
 Parabramis, 335
 Paracæsius, 378
 Paracara, *s*, 392
 Paracanthobrama, 335
 Paracentropogon, *d*, 384
 Paracentropistes, 358
 Paracetopsis, 312
 Parachætodon, 372
 Parachæturichthys, 374
 Paracheilognathus, 322
 Paracirrhites, *s*, 378
 Paracobitis, 322
 Paraconodon, 382
 Paradanio, *s*, 337
 Paradentex, *s*, 382
 Paradiodon, *s*, 336
 Paradiplomystax, *s*, 332
 Paradiplomystes, 312
 Paradules Blkr., *s*, 322
 Paradules Klunzinger, *s*, 366
 Paraglyphidodon, 384
 Paragobiodon, 367, 373
 Paragoniates, 387
 Paragonus Gill, 305
 Paragonus Guichenot, 353
 Parahemiodon, 311
 Parajulis, 335
 Paralaubuca, 335
 Paraleuciscus, 406
 Paraliparis, 393
 Paralonchurus, 354
 Paralosa, 362
 Paraluteres, 340
 Paralycodes, 372
 Paramacrus, 372
 Parambassis, 374
 Paramia, 322
 Paramisgurnus, 397
 Paramonacanthus Blkr., 340
 Paramonacanthus Steind., 348
 Paramyrus, 357
 Paranandus, *s*, 336
 Parancistrus, 311
 Paranguilla, 335
 Paranthias, 352
 Parapegasus, 357
 Paraperca, 380
 Parapercis, 322
 Paraphoxinus, *s*, 322
 Paraplagusia, 336
 Paraplesiichthys, *s*, 383
 Paraplesiops, 378, 383
 Paraploactis, 335, 384
 Parapocryptes, 374
 Parapomacentrus, 387
 Parapriacanthus 360
 Parapristipoma, 367
 Parapsettus, 381
 Parapterois, 384
 Pararhynchobdella, 372
 Paraschizothorax, 322
 Parascopelus, 371
 Parascorpæna, 384
 Parascorpis, 377
 Parascyllium, 306
 Parasilurus, 310
 Parastromateus, *s*, 336
 Paratilapia, 348
 Paratractus, 317
 Paratrygon, 337
 Paratylognathus, 405
 Parauchenipterus, *s*, 311
 Pardachirus, 319

- Parephippus, *s.* 305
 Pareques, 385
 Parequula Steind., 401
 Parequula Sauvage, *s.* 406
 Paretropus, 348
 Parexocetus, 340
 Pariolius, 363
 Paristiopterus, 382
 Parma, 318
 Parosphromenus, 398
 Paroxyurichthys, 384
 Parupeneus, *s.* 322
 Pegusa, 319
 Pelamichthys, *s.* 402
 Pelecopterus, *s.* 379
 Pelecorapis, 375
 Peletrophus, 333
 Pellonula, 351
 Pelteobagrus, 335
 Peltodus, *s.* 359
 Peltopleurus, 341
 Peltorhamphus, 319
 Pelycorapis, 388
 Pempherichthys, *s.* 361
 Pentanemus, 296
 Pentaroge, 296
 Peplorhina, 368
 Percalabrax, *d.* 291
 Percania, 382
 Percocottus, 389
 Percosoma, 304
 Perigrammatolepis, *s.* 349
 Periophthalmodon, *s.* 374
 Periplectroodus, 380
 Peripristis, *s.* 359
 Peristethus, *s.* 292
 Petalodopsis, *d.* 372
 Petalolepis, *s.* 350
 Petalorhynchus, 320
 Petenia, 318
 Petrocephalus, 334
 Petrometopon, 337
 Phacodus, *s.* 354
 Phaethonichthys, *s.* 382
 Phago, 337
 Phagus, 334
 Phaneropleuron, 287
 Phareodus, 370
 Pharyngodopilus, *s.* 329
 Phenacobius, 344
 Phœbodus, 380
 Phosichthys, 366
 Photogenis, 344
 Phricacanthus, *s.* 399
 Phrynorhombus, 319
 Phtheirichthys, 316
 Physonemus, 407
 Physopyxis, 363
 Piabina, 343
 Pikea, 377
 Pimelodina, 387
 Pimelometopon, 330
 Pimelotropis, *s.* 289 (mis-
 printed on page 289)
 Pirarara, 312
 Placopharynx, 356
 Plagiognathus, *s.* 364
 Plagioscion, 304
 Plagiotremus, 323
 Plagopterus, 375
 Plagyodus, *d.* 345
 Platacanthus Day, *s.* 337
 Platacanthus McCoy, 408
 Platycerhynchus, *d.* 330
 Platycharops, 404
 Platydoras, *s.* 311
 PlatyGLOSSUS, 309
 Platygobio, 323
 Platygobius, 373
 Platyinius, 315
 Platyodus, 379
 Platyodon, 306, 331
 Platyœcilus, 341
 Platyrrhinoidis, 402
 Platsiagum, 365
 Platsomatichthys, *s.* 310
 Platystethus, *s.* 296
 Platystomaticthys, 312
 Platyroctes, 395
 Plectranthias, 367
 Plectroperca, *s.* 339
 Plectroplites, 315
 Plectrypops, 315
 Plesiodus, 329
 Plesioperca, *s.* 371
 Plethodectes, 356
 Pleuracromylon, *s.* 330
 Pleuranacanthus, *s.* 336
 Pleurodus, *d.* 366
 Pleurogomphus, 320
 Pleurogrammus, 305
 Pleurolepis, *s.* 328
 Pliocodus, 377
 Plinthicus, 354
 Plintholepis, 334
 Plinthophorus, 333
 Pneumatosteus, 356
 Podopteryx, 406
 Podothecus, 304
 Pœciloconger, 361
 Pœcilodes, *s.* 328
 Pœcilopsetta, 403
 Pogoneleotris, 377
 Pogonoperca, 291
 Polistonemus, 305
 Polyacanthonctus, 372
 Polyeaulus, 296
 Polycirrhus, *s.* 354
 Polylacodus, *s.* 298
 Polyprosopus, *s.* 313
 Polypterolepis, *s.* 350
 Polysteganus, 358
 Pomacanthodes, 316
 Pomataprion, *s.* 324
 Pomatomichthys, *s.* 402
 Pomatopsetta, *s.* 331
 Pomatoschistus, *d.* 325
 Pontinus, 299
 Porobronchus, *s.* 297
 Porocottus, 290
 Perogobius, 373
 Peronotus, 302, 314
 Portheus, *d.* 364
 Potamocottus, *s.* 307
 Potamorhina, 394
 Potamorrhaphis, 340
 Potamotrygon, 389
 Priacanthichthys, 349
 Priodonophis, 297
 Priolepis, 373
 Prioniodus, 409
 Prionobutis, 372
 Prionognathus, 409
 Prionolepis, 350
 Priscacara, 388
 Pristiapogon, 358
 Pristiodon, 389
 Pristocantharus, 316
 Proamblys, 315
 Probarbus, 405
 Prochanos, 398
 Prognathodes, 316
 Prognathodus, 365

- Prolatilus*, 337
Prolebias, 376
Promicrops, 353
Promicropterus, 302
Pronotogrammus, 323
Properca, 405
Propoma, 403
Prosopium, 395
Prospinus, *s.*, 308
Prostheacanthus, *s.*, 294
Protamia, 370
Protautoga, 370
Proteracanthus, 291
Protistius, 375
Protocampus, 357
Protogaleus, *s.*, 298
Protoporus, *s.*, 363
Protosyngnathus, 386
Prototroctes, 333
Prymnetes, 360
Psalidostoma, 338
Psammobatis, 357
Psammodiscus, 319
Psenopsis, 314
Psephodus, 320
Psephurus, 369
Pseudacanthicus, *s.*, 311
Pseudalutarius, 336
Pseudaluteres, *s.*, 340
Pseudambassis, 383
Pseudamia, 336
Pseudancistrus, 311
Pseudogeneiosus, 312
Pseudanthias, 367
Pseudapocryptes, 374
Pseudariodes, 312
Pseudarius, *s.*, 311
Pseudaspilus, 354
Pseudauchenipterus, 311
Pseudecheneis, 294
Pseudechidna, 322
Pseudeleginus, 371
Pseudetroplus, 318
Pseudentropius, 310
Pseudoambassis, *s.*, 393
Pseudobagrithys, 312
Pseudobagrus, 293
Pseudobalistes, 340
Pseudobatrachus, 378
Pseudoberyx, 342
Pseudobrama, 355
Pseudocalophysus, *s.*, 312
Pseudocetopsis, 311
Pseudochalceus, 327
Pseudocheilinus, 309
Pseudocoris, 309
Pseudoculter, 288
Pseudodax, 300
Pseudodon, *s.*, 376
Pseudogobio, 287
Pseudogobiodon, 373
Pseudogramma, 378
Pseudohemiodon, 311
Pseudohypophthalmus, *s.*,
 312
Pseudojulis, 309
Pseudolabrus, 309
Pseudolates, *s.*, 387
Pseudolaubuca, 335
Pseudoloricaria, 311
Pseudomonacanthus, 340
Pseudomoringua, 335
Pseudomugil, 334, 338
Pseudomuræna, *s.*, 319
Pseudopangasius, 310
Pseudopentaceros, 382
Pseudoperilampus, 322
Pseudophoxinus, 288
Pseudophycis, 318
Pseudopimelodus, 322
Pseudoplatystoma, 312
Pseudopleuronectes, 310
Pseudopriacanthus, 353
Pseudopristipoma, 405
Pseudopterus, *s.*, 384
Pseudorasbora, 288
Pseudorhamdia, *s.*, 310
Pseudorhombus, 310
Pseudorinelepis, 311
Pseudoscarus, 300
Pseudosciana, *s.*, 321
Pseudosebastes, 397
Pseudoserranus, *s.*, 358
Pseudosphromenus, 398
Pseudosynanceia, 379
Pseudosyngnathus, 327
Pseudosynodontis, 311
Pseudotrachinus, 301, 309
Pseudotrissops, *s.*, 381
Pseudotolithus, 321
Pseudotriakis, 349
Pseudovomer, 359
Pseudoxiphophorus, 287
Pseudupeneus, *d.*, 310
Psychrolutes, 307
Psygmatolepis, *s.*, 350
Ptereleotris, 326
Pterengraulis, 351
Ptericephalina, 338
Pterichthyodes, 289
Pteridium, *s.*, 289
Pternodus, *s.*, 347
Pterocæsius, 382
Pterocryptis, 308
Pterodoras, *s.*, 311
Pterognathus, 290
Pterogobius, 326
Pterogrammatolepis, *s.*, 350
Pteroidichthys, 384
Pteronemus, 383
Pterophryne, *s.*, 324
Pteropsarion, 351
Pterothrissus, 390
Pterygopterus, *s.*, 346
Ptychobarbus, 343
Ptychochromis, 406
Ptycholepis, *s.*, 350
Ptyonodus, *s.*, 388
Ptyonotus, *s.*, 296
Puntazzo, 383
Pygosteus, 302
Pythonichthys, 347
Quassilabia, *d.*, 395
Rasbora, 288
Rasberichthys, 288
Reinhardtius, 302
Remilegia, 316
Remora, 316
Remoropsis, 324
Reniceps, 306
Retropinna, 313
Rhabdofario, 356
Rhabdolepis, *s.*, 327
Rhadinichthys, 392
Rhamphobatis, *s.*, 307
Rhamphoberyx, *s.*, 324
Rhamphocottus, 375
Rhamphosternarchus, *s.*,
 357
Rheocrypta, 390
Rhina, *s.*, 306
Rhineastes, 364
Rhinobagrus, 335

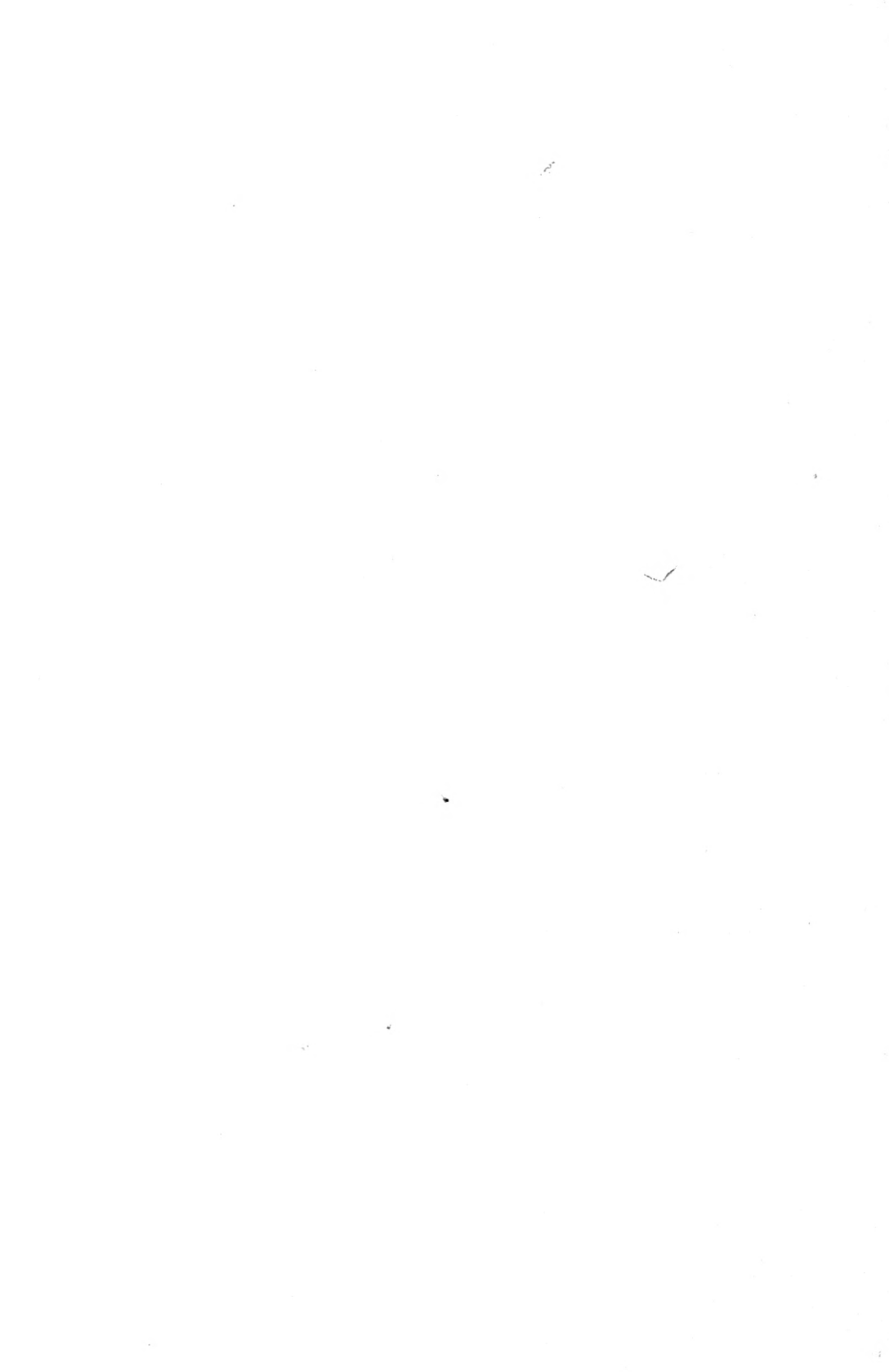
- Rhinoberyx, *s*, 315
 Rhinodoras, *s*, 311
 Rhinoglanis, 332
 Rhinogobio, 355
 Rhinogobius, 290
 Rhinomugil, 324
 Rhinonemus, 325
 Rhinoplagusia, 355
 Rhinoscion, 304
 Rhinoscymnus, 331
 Rhinotriacis, 317
 Rhizodopsis, 344
 Rhodichthys, 393, 402
 Rhombatractus, *s*, 399
 Rhombochirus, 324
 Rhomboplites, 315
 Rhomboptychius, *s*, 344
 Rhombesolea, 319, 326
 Rhombotides, *s*, 322
 Rhynchana, *s*, 407
 Rhynchodus, 371
 Rhytidus, 292
 Richardsonia Steind., *s*,
 343
 Richardsonia Castelnau,
 s, 362
 Rincloricaria, 311
 Rinodus, *s*, 342
 Riverina, *d*, 362
 Rivulus, 299
 Rœboides 333
 Rœstes, 333
 Rohitichthys, 287
 Rohitodes, 321
 Rohteichthys, 288
 Roncador, 403
 Rubellus, *s*, 369
 Ruppelia, *s*, 367
 Saccarius, 307
 Saccodon, 327
 Sagenodus, 347
 Salangichthys, 293
 Salarichthys, 346
 Sandalodus, 342
 Sandelia, *s*, 301
 Saraca, 381
 Sarcidium, *s*, 363
 Sarcocheilichthys, 288, 353
 Sarcodaces, 333
 Sardinia, 299
 Sargosomus, *s*, 300
 Sarothrodus, *s*, 304, 316
 Satanoperca, 318
 Saurenehelys, *s*, 334
 Saurogobio, 355
 Scaldia, *s*, 361
 Scaphaspis, *s*, 338
 Scaphirhynchops, *d*, 323
 Scardiniopsis, *s*, 334
 Scarichthys, 287
 Scarostoma, *d*, 346
 Schacra, 351
 Schipa, *s*, 354
 Schistorus, 315
 Schizopygopsis, 343
 Schuettea, 343
 Sciænoïdes, *s*, 294
 Sciænops, 323
 Scissor, 333
 Scleromystax, 332
 Scleropages, 333
 Scolecossoma, *s*, 291
 Scomberodon, 360
 Scombroclupea, 327
 Scombrocottus, *s*, 366
 Scopelosaurus, 294
 Scorpaenopterus, 293
 Scrobodus, *s*, 327
 Scymnodon, 329
 Seytalina, *d*, 404
 Sebastapistes, 397
 Sebastichthys, 317
 Sebastodes, 305
 Sebastomus, 330
 Sebastoplus, 324
 Sebastopsis Gill, *s*, 316
 Sebastopsis Sauvage, *s*, 371
 Sebastosomus, 330
 Securicula, *s*, 351
 Sema, *s*, 396
 Semicossyphus, 308
 Semilabeo, 405
 Semiplotus, 287
 Seriolophus, *s*, 345
 Seriphus, 293
 Serratodus, *s*, 396
 Setarches, 319
 Shacra, 288
 Siaja, 288
 Sicydiops, 373
 Sicyogaster, *s*, 295
 Sicyopterus, 295
 Sillaginodes, 306
 Sillaginopsis, 306
 Silurodes, 293, 312
 Silurodon, 334, 338, 367
 Sinibarbus, 376
 Siniperca, 313
 Siphagonus, *s*, 387
 Smaragdus, *s*, 299
 Smiliogaster, *s*, 288
 Soleichthys, 294
 Solenichthys, *d*, 336
 Solenodus, 377
 Solenognathus, *s*, 342
 Solenomormyrus, 372
 Solenostomus, *s*, 302
 Soleotalpa, *s*, 319
 Sorubimichthys, 312
 Sparactodon, *s*, 405
 Sparoides, 376
 Sparopsis, *s*, 352
 Spathodactylus, 292
 Sphærichthys, 295
 Sphagepœca, *s*, 356
 Sphagomorus, 344
 Sphærolepis, 389
 Sphyrænops, 299
 Sporetodus, *s*, 375
 Sporolepis, 334
 Squalidus, *s*, 364
 Squaliobarbus, 351
 Stemmatus St. John &
 Worthen, *s*, 380
 Stemmatus Heckel, 409
 Stenogobius, 373
 Stenophus, 378
 Stenopterodus, *s*, 405
 Stephanolepis, 304
 Stereodus, 339
 Sterledus, *s*, 354
 Sternotremia, *s*, 386
 Stethaprion, 356
 Stethojulis, 308
 Stichæacanthus, 396
 Stichæopsis, 360
 Sticharium, 345
 Stigmatogobius, 374
 Stigmatonotus, 386
 Stilbius, *s*, 337
 Stomiasunculus, *s*, 297
 Strabo, *s*, 341
 Stratodus, 364

- Streblodus, 320
 Strepodus, 344
 Strigilina, *s.*, 388
 Stromatoidea, 301
 Strosipherus, *s.*, 409
 Stygicola, 325, 339
 Stygogenes, 332
 Syllemus, 379
 Symmetrurus, *s.*, 396
 Symphorus, 365
 Symphysanodon, 393
 Sympterichthys, 394
 Synagris, *s.*, 291, 383
 Synanchia, *s.*, 374
 Synaphobranchus, 319
 Synchiropus, 290
 Synchronismus, *s.*, 306
 Syncrossus, *s.*, 294
 Synechogobius, *s.*, 326
 Synistius, 315
 Synnema, 369
 Tachynectes, 328
 Tæniolabrus, *s.*, 348
 Tæniophis, *s.*, 297
 Tæniotoca, 300
 Tambda, 288
 Tanaodus, 380
 Tauridea, *d.*, 395
 Taurinichthys, 329
 Tautogolabrus, 318
 Telara, 351
 Teleosaurus, *s.*, 346
 Telepholis, 339
 Telescops, *s.*, 382
 Tephrocops, 291
 Tephriinctes, 319
 Tephritis, *s.*, 318
 Tetheodus, 375
 Tetrabrachium, 403
 Tetrades, *s.*, 335
 Tetragonopterus, *s.*, 348, 383
 Tetranarce, 307
 Tetranemateichthys, *s.*, 312
 Tetraroge, 296
 Thalassophryne, 307
 Thaleichthys, 290
 Thaumatacanthus, 401
 Thelodus, *s.*, 309
 Therapaina, *s.*, 298, 383
 Theraps, 318
 Thlattodus, *s.*, 342
 Tholichthys, *s.*, 351
 Thrinacodus, 380
 Thrissopater, 365
 Thrissopteroides, 370
 Thynnichthys Blkr., 288
 Thynnichthys Giglioli, *s.*,
 402
 Thyris, *s.*, 403
 Thyrsitocephalus, 292
 Thyrsitops, 314
 Thysanocheilus, *s.*, 338
 Thysanopsetta, 403
 Tomodon, 338
 Tomodus, 320
 Torresia, 378
 Toxabramis, 369
 Trachelocirrus, *s.*, 323
 Trachelyopterichthys, 311
 Trachinocephalus, 303
 Trachinopsis, 380
 Trachurops, 316
 Trachybrama, *s.*, 322
 Trachypoma Gthr., 291
 Trachypoma Giebel, *s.*, 357
 Trachyrincus, 407
 Tremataspis, *d.*, 343
 Trienaspis, 394
 Trienopogon, 373
 Tribbranchus, *s.*, 407
 Trichidion, *s.*, 302
 Trichiurichthys, 371
 Trichiurides, 398
 Trichocyclus, *d.*, 357
 Trichodiiodon, *d.*, 340
 Trichophanes, 364
 Trichopsis, *s.*, 295, 298
 Trifarcus, *s.*, 299
 Trigloides, 360
 Trigonodus Newberry &
 Worthen, *s.*, 342
 Trigonodus Winkler, *s.*,
 398
 Triloburus, *s.*, 302
 Trinemateichthys, 288
 Triportheus, 363
 Tripterodon, 343
 Trisotropis, 337
 Tristichopterus, 301
 Trochecopus, 318
 Tropidinius, 353
 Tropidodus, 317
 Trypauchenichthys,
 293, 374
 Tydeus, *s.*, 359
 Tylometopon, 367, 383
 Tyntlastes, 319
 Typhlichthys, 290
 Typhlogobius, 406
 Typhlonus, 394
 Typhlus, *d.*, 357
 Ulocentra, 395
 Upselonphorus, *s.*, 305
 Uranichthys, *s.*, 347
 Uranoblepus, *s.*, 302
 Uranoplosus, 401
 Uranostoma, *s.*, 336
 Urocampus, 357
 Urocentrus, *s.*, 352
 Urocomus, 312
 Uronectes, *s.*, 318
 Urophycis, *d.*, 325
 Uropsetta, *s.*, 317
 Uropterina, 338
 Urotrygon, 324
 Vaillantia, 395
 Valenciennesia, 348
 Valenciennesia, *s.*, 348, 373
 Vandellia, 407
 Vaticanodus, *s.*, 405
 Venustodus, 380
 Verilus, 298
 Vexillifer, *s.*, 357
 Vimba, *s.*, 368
 Vincentia, *s.*, 363
 Vulsus, *s.*, 307
 Wallago, 312
 Wardichthys, 382
 Wertheimeria, 386
 Xenichthys, 324
 Xenisma, 390
 Xenocharax, 345
 Xenocypris, 351
 Xenodermichthys, 395
 Xenomystus Gthr., 351
 Xenomystus, Lütken, *s.*, 370
 Xenotis, 390
 Niphactinus, *d.*, 358
 Niphidion, *d.*, 290
 Niphiorhynchus, 360
 Niphister, *d.*, 400
 Niphodolamia, 391
 Niphogadus, 318

- | | | |
|-------------------------------|--------------------------|---------------------------|
| Niphotrygon, 399 | Yarra, <i>s</i> , 363 | Zenarchopterus, 326 |
| Nystracanthus, 292 | Zanclorhynchus, 403 | Zenopsis, 314 |
| Xystreureys, 403 | Zantecla, <i>s</i> , 367 | Zeodrius, <i>s</i> , 393 |
| Xystrodus Plieninger, 298 | Zapteryx, 404 | Zonogobius, 374 |
| Xystrodus Ag., <i>s</i> , 320 | Zathorax, 363 | Zopa, <i>s</i> , 368 |
| Xystroplites, 388, 390 | | Zophendum, <i>s</i> , 396 |

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Chancellor-Emeritus of Stanford University

Member of the International Commission of Zoological Nomenclature

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PRESS

INTRODUCTORY NOTE

The present memoir is the fourth and concluding part of a catalogue of generic names applied to fishes subsequent to the establishment of the Binomial or Linnæan system of nomenclature, which dates from January 1, 1758.

It covers the late modern period in Ichthyology, signalized especially by explorations of the deep sea, of fossil beds, and of the darker continents. The unexampled explorations of Eigenmann in South America belong to this period, as also the records of Boulenger of the fishes of South Africa and the varied researches of Regan in the rich material of the British Museum. In this period the fauna of Australia, Japan, and Siberia have been critically and successfully studied. Our knowledge of fossil fishes is assuming definite form through the work of Woodward, Zittel, Hay, and others who have given Palæontology a constructive turn.

At the end of this period is recorded the death (December 10, 1919) of the veteran ichthyologist, Franz Steindachner, of Vienna, whose excellent papers mark the years from 1859 to 1915.

The present writer, as a life-long teacher of Biology, may be pardoned a personal reference. Himself a student of Agassiz and Gill of the earlier periods, he has had the honor of being also a friend, to some extent, a *protégé*, of Baird, Günther, Vaillant, Lütken, Hilgendorf, and Cope. In addition he has numbered among his own students many of those active in systematic ichthyology during the late modern period.

Among these are Gilbert, Eigenmann, Evermann, Bollman, Snyder, Starks, Jenkins, Meek, Fowler, Hubbs, Seale, Richardson (R. E.), Oshima, Abbott, Burke, Brayton, Cramer, Culver, Davis (B. M.), Fesler, Fordice, Gilbert (J. Z.), Goss, Greeley, Heller, Herre, Kirsch, McGregor, Pierson, Metz, Rutter, Snodgrass, Swain, Thoburn (W. W.), Thompson (W. F.), Weymouth, Williams (T. M.), Otaki (K.), and Woolman.

It is a pleasure to repeat my acknowledgments to the naturalists mentioned in Part III, as having given valuable assistance. I am also indebted to Arthur W. Henn of the American Museum, for looking up obscure names. My thanks are especially due to Masamitsu Oshima for the arrangement of the generic names given in the *Zoological Record*.

DAVID STARR JORDAN.

THE GENERA OF FISHES

PART IV

1881

1329. BEAN (1881). *Descriptions of New Fishes from Alaska and Siberia*. Proc. U. S. Nat. Mus., 1881, IV, 144-159.

TARLETON HOFFMAN BEAN.

Ptilichthys Bean, 157; orthotype P. GOODEI Bean.

1330. BEAN (1881). *Notes on a Collection of Fishes Made by Captain Henry E. Nichols, U. S. N., in British Columbia and Southern Alaska*. Proc. U. S. Nat. Mus., 1881, IV, 436-474.

TARLETON HOFFMAN BEAN.

Delolepis Bean, 465; orthotype D. VIRGATUS Bean.

1331. COPE (1881). *A New Genus of Catostomidae (Lipomyzon)*. American Naturalist, XV (January, 1881).

EDWARD DRINKER COPE.

Lipomyzon Cope, 59; orthotype CHASMISTES BREVIROSTRIS Cope.

1332. DAVIS (1881). *On the Zoological Position of the Genus Petalorhynchus Ag., a Fossil Fish from the Mountain Limestone*. Rept. Brit. Assoc. Adv. Sci.

JAMES WILLIAM DAVIS.

Diodontopsodus Davis, 646; orthotype (PRISTODUS FALCATUS Ag.) (fossil). Replaces PRISTODUS Ag. (62), which until 1883 was a name only.

1333. DAVIS (1881). *On the Genera Ctenoptychius, etc.* Ann. Mag. Nat. Hist., VII.

JAMES WILLIAM DAVIS.

Ctenopetalus (Agassiz) Davis, 426; orthotype PETALODUS SERRATUS (Ag.) Owen. A synonym of CTENOPTYCHIUS Ag.

Harpacodus (Agassiz) Davis, 426; orthotype PETALODUS (Ag.) Owen (fossil). A synonym of CTENOPTYCHIUS Ag.

1334. DAVIS (1881). *On Anodontacanthus . . . Fossil Fishes from the Coal Measures*. Quart. Journ. Geol. Soc., XXXVII.

JAMES WILLIAM DAVIS.

Anodontacanthus Davis, 427; orthotype A. ACUTUS Davis (fossil). A synonym of ORACANTHUS Ag.

1335. GARMAN (1881). *New and Little Known Reptiles and Fishes in the Museum Collections*. Bull. Mus. Comp. Zool., VIII.

SAMUEL GARMAN.

Stypodon Garman, 90; orthotype S. SIGNIFER Garman.

1336. GILL (1881). *Record of Recent Scientific Progress: A Deep-sea Rockfish*. Ann. Rept. Smithsonian Inst. for 1880.

THEODORE GILL.

Sebastolobus Gill, 375; orthotype SEBASTES MACROCHIR Gthr.

1337. GÜNTHER (1881). *Account of the Zoological Collection Made During the Survey of H. M. S. Alert in the Straits of Magellan and on the Coast of Patagonia*. Proc. Zool. Soc. London, 2-141.

Melanostigma Günther, 20; orthotype *M. GELATINOSUM* Gthr.

1338. JORDAN & GILBERT (1881). *Notes on the Fishes of the Pacific Coast of the United States*. Proc. U. S. Nat. Mus., 1881.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

- Polistotrema** (Gill) Jordan & Gilbert, 30; orthotype *GASTROBRANCHUS DOMBEY* Cuv. = *BDELLOSTOMA STOUTI* Lockington. Also noted on page 18 by Jordan & Jouy.

1339. JORDAN & GILBERT (1881). *Description of Thirty-three New Species of Fishes from Mazatlan, Mexico*. Proc. U. S. Nat. Mus., IV.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

- Etropus** Jordan & Gilbert, 364; orthotype *ETROPUS CROSSOTUS* J. & G.

1340. JORDAN & GILBERT (1881). *Description of Nineteen New Species of Fishes from the Bay of Panama*. Bull. U. S. Fish Commission, 1, for 1881.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

- Cerdale** Jordan & Gilbert, 332; orthotype *C. IONTHAS* J. & G.

1341. GORJANOVIC-KRAMBERGER (1881). *Studien über die Gattung Saurocephalus Harlan; ein Beitrag zur Neocom-Fischfauna der Insel Lcsina*, Jahrb. Geol. Reichsanstalt Wien, XXXI.

DRAGUTIN GORJANOVIC-KRAMBERGER.

- Solenodon** Kramberger, 373; orthotype *S. NEOCOMIENSIS* Kramberger (fossil) = *SAUROCEPHALUS LYCODON* Kner. Regarded by Woodward as a synonym of *ENCHODUS* Ag., the name *SOLENDON* preoccupied; replaced by *HOLCODON* Kramberger, 1885.

1342. LOCKINGTON (1881). *Description of a New Genus and Species of Cottida*. Proc. U. S. Nat. Mus., 1881, 141-144.

WILLIAM NEALE LOCKINGTON.

- Chitonotus** Lockington, 141; orthotype *C. MEGACEPHALUS* Lockington.

1343. LUNEL (1881). *Liste de quelques espèces de poissons, nouvelles pour la faune de l'île Maurice*. Mém. Soc. Phys. Genève, XXVII, 266-387.

GODEFROY LUNEL.

- Penetopteryx** Lunel, 275; orthotype *P. TENIOCEPHALUS* Lunel.

1344. MACLEAY (1881). *Descriptive Catalogue of the Fishes of Australia*. Proc. Linn. Soc. New S. Wales, 1881. Also issued in two bound volumes.

WILLIAM MACLEAY.

- Neopempheris** Macleay, 517; orthotype *N. RAMSAYI* Macleay. A synonym of *LEPTOBrama*.

- Teratorhombus** Macleay, 126; orthotype *T. EXCISICEPS* Macleay. Said to be a synonym of *PSEUDORHOMBUS* Blkr.

- Cainosilurus** Macleay, 147; orthotype *NEOSILURUS AUSTRALIS* Castelnau. Substitute for *NEOSILURUS* Castelnau, preoccupied.

1345. MOREAU (1881). *Histoire naturelle des poissons de France*.

ÉMILE MOREAU (1823-1896).

- Flesus** Moreau, II, 301; orthotype *PLEURONECTES FLESUS* L.

1346. POEY (1881). *Peccs.* (In *Apuntes para la fauna puerto-riqueña*, by Juan Gundlach. Ann. Soc. Española Hist. Nat. Madrid. X, 317-350.

FELIPE POEY Y ALOY.

- Monosira** Poey, 326; orthotype M. STAHLI Poey. A synonym of AMIA Gronow or APOGON Lac.

1347. RZEHAK (1881). *Ueber das Vorkommen und die geologische Bedeutung der Clupeidengattung.* Brüm.

A. RZEHAK.

- Anaglyphus** Rzehak, 79; orthotype A. INSIGNIS Rzehak (fossil).

- Eupalæoniscus** Rzehak, 79; orthotype PALÆONISCUM FRIESLEBENENSIS Blainv. (fossil). An unexplained substitute for PALÆONISCUM Blainv.

1348. SMITH, R. (1881). *Description of a New Gobioid Fish (Othonopsos)* from San Diego, California. Proc. U. S. Nat. Mus., IV.

ROSA SMITH (1859-) (afterwards Mrs. Carl. H. Eigenmann).

- Othonops** Rosa Smith, 19; orthotype O. EOS Smith = TYPHLOGOBIUS CALIFORNIENSIS Steind. A synonym of TYPHLOGOBIUS Steind.

1349. STEINDACHNER (1881). *Ichthyologische Beiträge.* X. Sitzb. Akad. Wiss. Wien, 1881, LXXXIII, 179-219.

FRANZ STEINDACHNER.

- Cyclopterichthys** Steindachner, 192; orthotype C. GLABER Steind. A synonym of APTOCYCLUS Pylaie.

- Breitensteinia** Steindachner, 213; orthotype B. INSIGNIS Steind.

1350. STEINDACHNER (1881). *Ichthyologische Beiträge.* XI. Sitzb. Akad. Wiss. Wien, LXXXIII, 393-408 (May 5, 1881).

FRANZ STEINDACHNER.

- Schedophilopsis** Steindachner, 100; orthotype S. SPINOSUS Steind. = ICOSTEUS ENIGMATICUS Lockington. A synonym of ICOSTEUS Lockington.

- Parachela** Steindachner, 404 (12); orthotype P. BREITENSTEINI Steind. (*Bornco*).

1351. THOMINOT (1881). *Sur deux genres nouveaux de poissons faisant partie de la famille des squamipinnes et rapportés d'Australie par J. Verreaux.* Bull. Soc. Philom. Paris, 1881, VII, sér. 8, 140-142.

ALEXANDRE THOMINOT.

- Tilodon** Thominot, 140; orthotype T. AUSTRALIS Thominot.

- Diodyxodon** Thominot, 142; orthotype D. AUSTRALIS Thominot. Not DOYDIXODON Val.

1352. TRAQUAIR (1881). *Notice of New Fish-Remains from the Blackband Ironstone of Borough Lee, Near Edinburgh.* Geol. Mag., 1881, II, decade VIII, 34-37.

RAMSAY HEATLEY TRAQUAIR.

- Cynopodius** Traquair, 35; orthotype C. CRENULATUS Traquair (fossil).

- Euctenius** Traquair, 36-334; logotype CTENOPTYCHIUS UNILATERALIS Barkas (fossil).

- Ganopristodus** Traquair, 37; orthotype G. SPLENDENS Traquair (fossil). A synonym of URONEMUS Ag.

1353. TRAQUAIR (1881). *Report on Fossil Fishes Collected by the Geological Survey of Scotland in Eskdale and Liddesdale.* Trans. Roy. Soc. Edinburgh, 1881, XXX, 15-71.

RAMSAY HEATLEY TRAQUAIR.

- PhaneroSTEON** Traquair, 39; orthotype *P. MIRABILE* Traquair (fossil).
Holurus Traquair, 43; orthotype *H. PARKI* Traquair (fossil).
Canobius Traquair, 46; orthotype *C. RAMSAYI* Traquair (fossil).
Cheirodopsis Traquair, 56; orthotype *C. GEIKIEI* Traquair (fossil).
Tarrasius Traquair, 61; orthotype *T. PROBLEMATICUS* Traquair.
1354. TRAQUAIR (1881). *Notice of New Fish Remains from the Blackband Ironstone of Borough Lce, Near Edinburgh*. Geol. Mag., decade VIII. 491-494.
 RAMSAY HEATLEY TRAQUAIR.
Cryphiolepis Traquair, 491; orthotype *CÆLACANTHUS STRIATUS* Traquair (fossil).
1355. VETTER (1881). *Die Fische aus dem lithographischen Schiefer im Dresdner Museum*. Mitt. Mus., IV, Dresden, 1881.
 BENJAMIN VETTER (1848-1893).
Eusemius Vetter, 51; orthotype *E. BEATÆ* Vetter (fossil).
Diplolepis Vetter, 91; orthotype (*SAUROPSIS LONGIMANUS* Ag.) (fossil). A synonym of *SAUROPSIS* Ag., the name twice preoccupied.
Agassizia Vetter, 97; orthotype *EUGNATHUS TITANIUS* Wagner (fossil). Name twice preoccupied, replaced by *ASTHENOCORMUS* Woodw., 1895.
Lophiurus Vetter, 116; orthotype *L. MINUTUS* Vetter (fossil). A synonym of *LIODESMUS* Wagner.
1356. WHITEAVES (1881). *Some Remarkable Fossil Fishes from the Devonian Rocks of Scaumenac Bay, . . . Quebec . . .* Canadian Naturalist, X.
 JOSEPH FREDERICK WHITEAVES (1835-1909).
Eusthenopleuron Whiteaves, 30; orthotype *E. FOORDI* Whiteaves (fossil).

 1882

1357. BASSANI (1882). *Descrizioni dei pesci fossili di Lesina . . .*
 FRANCESCO BASSANI.
Opsigonus (Kramberger) Bassani, 200; orthotype *O. MEGALURIFORMIS* Kramberger (fossil).
1358. BOGH DANOV (1882). *Sketch of the Expeditions and Natural History Investigations in the Aral-Caspian Region from 1720 to 1874*. (Not verified.)
 MODEST NIKOLAEVICH BOGH DANOV (1841-1888).
Kessleria Boghdanov, II, 3; orthotype *SCAPHIRHYNCHUS FEDTSCHENKOI* Kessler. This generic name is rejected by L. S. Berg, as a nomen nudum, which received its first definition in Jordan's *Guide to the Study of Fishes*, II, 20, 1905. But Boghdanov's species, *S. FEDTSCHENKOI* Kessler, was described in 1872 and was a well known species. *KESSLERIA* should therefore be preferred to *PSEUDOSCAPHIRHYNCHUS* Nikolski.
1359. DÖDERLEIN (1882). *Ein Stomiatide aus Japan*. Arch. Naturg. (2). XLVIII, 26-31.
 LUDWIG DÖDERLEIN (1855-).
Lucifer Döderlein, 26; orthotype *L. ALBIPINNIS* Döderlein.
1360. FACCIOLÀ (1882). *Note sui pesce del stretto di Messina*. X (part 1). 166-168. Naturalista Siciliano, I, for 1882.
 LUIGI FACCIOLÀ.
Alepichthys Facciolà, 167; orthotype *A. ARGYROGASTER* Facciolà.

1361. GIGLIOLI (1882). *New and Very Rare Fish from the Mediterranean*. Naturalist, XXV.

ENRICO HILLYER GIGLIOLI.

Paradoxichthys Giglioli, 535; orthotype NOTACANTHUS RISSOANUS Giglioli. A synonym of POLYACANTHONOTUS.

Teratichthys Giglioli, 574; orthotype T. GARIBALDIANUS Giglioli. A synonym of POLYACANTHONOTUS Blkr.; name preoccupied in fossil fishes.

1362. GILL (1882). *Supplementary Note on the Pediculati*. Proc. U. S. Nat. Mus., V.

THEODORE GILL.

Lophiomus Gill, 552; orthotype LOPHIUS SETIGERUS Vahl.

1363. GOODE & BEAN (1882). *Reports on the Results of Dredging Under the Supervision of Alexander Agassiz, on the East Coast of the United States, During the Summer of 1880, by the U. S. Coast Survey Steamer Blake, etc.* Bull. Mus. Comp. Zool. Harvard College, 1882, X, 183-226.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Notosema Goode & Bean, 193; orthotype N. DILECTA Goode & Bean.

Chalinura Goode & Bean, 199; orthotype C. SIMULA Goode & Bean.

Barathrodemus Goode & Bean, 200; orthotype B. MANATINUS Goode & Bean.

Dicrolene Goode & Bean, 202; orthotype D. INTRONIGER Goode & Bean.

Lycodonus Goode & Bean, 208; orthotype L. MIRABILIS Goode & Bean.

Poromitra Goode & Bean, 214; orthotype P. CAPITO Goode & Bean.

Cyclothone Goode & Bean, 221; orthotype C. LUSCA Goode & Bean.

1364. GOODE & BEAN (1882). *Benthodesmus, a New Genus of Deep-sea Fishes, allied to Lepidopus*. Proc. U. S. Nat. Mus., 1882, V, 379-383.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Benthodesmus Goode & Bean, 380; orthotype LEPIDOPUS ELONGATUS Clarke.

1365. GOODE & BEAN (1882). *Descriptions of Twenty-five New Species of Fish from the Southern United States, and Three New Genera, Letharchus, Ioglossus, and Chriodorus*. Proc. U. S. Nat. Mus., 1882, V, 412-437.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Baiostoma Bean, 413; orthotype B. BRACHIALIS Bean. A synonym of ACHIRUS Lac.

Ioglossus Bean, 419; orthotype I. CALLIURUS Bean.

Chriodorus Goode & Bean, 431; orthotype C. ATHERINOIDES Goode & Bean.

Letharchus Goode & Bean, 436; orthotype L. VELIFER Goode & Bean.

1366. GUIMARAËS (1882). *Description d'un nouveau poisson de Portugal*. Journ. Sci. Lisboa, VIII, for 1881 (1882).

ANTONIO ROBERTO GUIMARAËS.

Pseudohelotes Guimaraës, 222; orthotype P. GUENTHERI Capello (Ms.).

1367. HAY (1882). *On a Collection of Fishes from the Lower Mississippi*. Bull. U. S. Fish Comm., II, 57-75.

OLIVER PERRY HAY.

Tirodon Hay, 68; orthotype T. AMNIGENUS Hay.

1368. JORDAN (1882). *The Fishes of Ohio*. Rept. Geol. Surv. Ohio, IV.

DAVID STARR JORDAN.

Coccotis Jordan, 852; orthotype HYPSELEPIS COCCOGENIS Cope.

Erimystax Jordan, 858; orthotype LUXILUS DISSIMILIS Kirtland.

1369. JORDAN & GILBERT (1882). *Notes on Fishes Observed About Pensacola, Florida, and Galveston, Texas, etc.* Proc. U. S. Nat. Mus., V, 1882.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Ioglossus** (Bean) Jordan & Gilbert, 297; orthotype *I. CALLIURUS* Bean (description in detail on page 419).
1370. JORDAN & GILBERT (1882). *Notes on a Collection of Fishes from Charleston, South Carolina, With Descriptions of Three New Species.* Proc. U. S. Nat. Mus., 1882, V, 580-620.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Querimana** Jordan & Gilbert, 588; orthotype *MYXUS HARENGUS* Gthr.
- Pneumatophorus** Jordan & Gilbert, 593; orthotype *SCOMBER PNEUMATOPHORUS* De la Roche = *SCOMBER COLIAS* Gmelin.
1371. JORDAN & GILBERT (1882). *List of Fishes Now in the Museum of Yale College Collected by Prof. Frank H. Bradley at Panama, etc.* Proc. U. S. Nat. Mus., 1882.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Emblemaria** Jordan & Gilbert, 627; orthotype *E. NIVIPES* J. & G.
1372. JORDAN & GILBERT (1882). *A Review of the Siluroid Fishes Found on the Pacific Coast of Tropical America, etc.* Bull. U. S. Fish Comm., II.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Cathorops** Jordan & Gilbert, II, 54; orthotype *ARIUS HYPOPHTHALMUS* Steind.
1373. JORDAN & GILBERT (1882). *Synopsis of the Fishes of North America.* Bull. U. S. Nat. Mus., 1882 (September), XVI, 1-1018.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Creolus** Jordan & Gilbert, XXXVI; orthotype *SERRANUS FURCIFER* J. & G. Substitute for *BRACHYRHINUS* Gill, preoccupied. Withdrawn in the text, being a synonym of *PARANTHIAS* Guich.
- Trycherodon** (Forbes) Jordan & Gilbert, 247; orthotype *T. MEGALOPS* Forbes. A synonym of *OPSOPÆDUS* Hay.
- Euthynnus** (Lütken) Jordan & Gilbert, 429; orthotype *THYNNUS PELAMYS* L.
- Bothragonus** (Gill) Jordan & Gilbert, 728; orthotype *HYPAGONUS SWANI* Steind.
- Isesthes** Jordan & Gilbert, 757; orthotype *BLENNIUS GENTILIS* Grd.; a synonym of *HYPUBLENNIUS* Gill.
- Isopsetta** (Lockington) Jordan & Gilbert, 832; orthotype *LEPIDOPSETTA ISOLEPIS* Lockington.
- Xenistius** Jordan & Gilbert, 920; orthotype *XENICHTHYS CALIFORNIENSIS* Steind.
1374. GORJANOVIC-KRAMBERGER (1882). *Die jüngsttertiäre Fischfauna Croatiens.* Parts I-II. Beitr. Palæont. Oesterr.-Ungarn, 1882, II, 86-135 (*ibid.* 1883, II, 65-85).
 DRAGUTIN GORJANOVIC-KRAMBERGER.
- Metoponichthys** Kramberger, 104; orthotype *M. LONGIROSTRIS* Kramberger (fossil). Same as *PROANTIGONIA* Kramberger, and having page priority.
- Proantigonia** Kramberger, 131; orthotype *P. RABDOBOJANA* Kramberger (fossil). A synonym of *METOPONICHTHYS*.
1375. MACLEAY (1882). *Notes on the Plcuronectida of Port Jackson, With Descriptions of Two Hitherto Unobserved Species.* Proc. Linn. Soc. New S. Wales, 1882, VII, 11-15.

WILLIAM MACLEAY.

Lophorhombus Macleay, 14; orthotype *L. CRISTATUS*. A synonym of *LOPHONECTES* Gthr.

1376. QUENSTEDT (1882). (*Fossile Fische.*) Württ. Jahresh. XXXVIII.
FRIEDRICH AUGUST VON QUENSTEDT.

Bdelodus Quenstedt, 137; orthotype *B. BOLLENSIS* Quenstedt (fossil).

1377. SAUVAGE (1882). *Étude sur les poissons des Faluns de Brétagne.* Mém. Soc. Sci. Nat. Saône-et-Loire, IV.

HENRI ÉMILE SAUVAGE.

Stylodus Sauvage, IV, 77; orthotype *S. LEBESCONTEI* Sauvage (fossil).

1378. SAUVAGE (1882). *Description de quelques poissons de la collection du muséum d'histoire naturelle.* Bull. Soc. Philom. Paris (7), VI, 168-176.

HENRI ÉMILE SAUVAGE.

Saccostoma Sauvage, 171; orthotype *S. GULOSUS* Sauvage. Name preoccupied, replaced by *CHASMIAS* Jordan & Snyder; this also preoccupied and replaced by *CHASMICHTHYS* Jordan & Snyder.

Cosmochilus Sauvage, 180; orthotype *C. HARMANDI* Sauvage.

1379. STEINDACHNER (1882). *Ichthyologische Beiträge.* XII. Sitzb. Akad. Wiss. Wien, LXXXVI, 61-82.

FRANZ STEINDACHNER.

Pachychilon Steindachner, 71; orthotype *SQUALIUS PICTUS* (Heckel & Kner).

1380. VAILLANT (1882). *Sur un poisson des grandes profondeurs de l'Atlantique, l'Eurypharynx pelecanoïdes.* Comptes Rendus Acad. Sci. Paris, 1882, 1226-1228.

LÉON LOUIS VAILLANT.

Eurypharynx Vaillant, 1226; orthotype *E. PELECANOIDES* Vaillant.

1883

1381. BEAN (1883). *Notes on Collection of Fishes Made in 1882 and 1883 by Capt. Henry E. Nichols, U. S. N., in Alaska and British Columbia,* etc. Proc. U. S. Nat. Mus., VI, 353-362.

TARLETON HOFFMAN BEAN.

Prionistius Bean, 355; orthotype *P. MACELLUS* Bean.

1382. COPE (1883). *A New Chondostrean (Crossopholis magnicaudatus) from the Eocene.* Amer. Naturalist, 1883, XVII, 1152-1153.

EDWARD DRINKER COPE.

Crossopholis Cope, 1152; orthotype *C. MAGNICAUDATUS* Cope (fossil).

1383. COPE (1883). *On the Fishes of the Recent and Pliocene Lakes of the Western Part of the Great Basin and of the Idaho Pliocene Lake.* Proc. Acad. Nat. Sci. Phila., 134-166.

EDWARD DRINKER COPE.

Siphateles Cope, 146; orthotype *S. VITTATUS* Cope. Young individual of a genus apparently valid, confused with *MYLOLEUCUS* Cope.

1384. COPE (1883). *On Some Vertebrata from the Permian of Illinois.* Proc. Acad. Nat. Sci. Phila., 108-110.

EDWARD DRINKER COPE.

- Didymodus** Cope, 108; orthotype *DIPLODUS GIBBOSUS* Ag. (fossil). Substitute for *DIPLODUS* Ag., preoccupied. *DIDYMODUS* is regarded as preoccupied by *DIDYMODON* and again replaced by *DICRANODUS* Garman. But there are apparently older synonyms. These teeth probably belong to the forms called *PLEURACANTHUS* or *ORACANTHUS*, known from fin-spines only. But it is impossible to coördinate the teeth with the spines, hence the occurrence of two parallel sets of generic names.
- Thoracodus** Cope, 108; orthotype *T. EMYDINUS* Cope (fossil). A synonym of *JANASSA* Münster.
1385. COPE (1883). *Fourth Contribution to the History of the Permian Formation of Texas*. Proc. Amer. Phila. Soc., XX, 628-629.
EDWARD DRINKER COPE.
- Gnathorhiza** Cope, 629; orthotype *G. SERRATA* Cope (fossil).
1386. COPE (1883). *On a New Extinct Genus of Percidae from Dakota Territory*. Amer. Journ. Sci., XXV.
EDWARD DRINKER COPE.
- Plioplarchus** Cope, 416; orthotype *P. WHITII* Cope (fossil).
1387. COPE (1883). *Permian Fishes and Reptiles*. Proc. Acad. Nat. Sci. Phila.
EDWARD DRINKER COPE.
- Ectosteorhachis** Cope, 69; orthotype *E. CICERONIUS* Cope.
1388. DAMES (1883). *Ueber eine tertiäre Wirbelthier-Fauna von der westlichen Insel des Birket el Qurun im Fajum (Aegypten)*. Sitzb. Akad. Wiss. Berlin, VI, 129-152.
WILHELM BARNIM DAMES.
- Propristis** Dames, 136; orthotype *P. SCHWEINFÜRTHI* Dames (fossil).
- Progymnodon** Dames, 148; orthotype *P. HILGENDORF* Dames (fossil). An extinct analogue of *DIODON* L.
1389. DAVIS (1883). *On the Fossil Fishes of the Carboniferous Limestone Series of Great Britain*. Scient. Trans. Roy. Dublin Soc., 1883, II, ser. 1, 327-600.
JAMES WILLIAM DAVIS.
- Compsacanthus** Davis, 354; orthotype *C. CARINATUS* Davis (fossil).
- Lispacanthus** Davis, 359; logotype *L. GRACILIS* Davis (fossil).
- Gnathacanthus** Davis, 363; logotype *G. TRIANGULARIS* (fossil).
- Cladacanthus** (Agassiz) Davis, 364; orthotype *C. PARADOXUS* Ag. (fossil) (printed as name only in *Poissons Fossiles*, III, 176, 1843). A synonym of *ERISMACANTHUS* M'Coy (1848).
- Chalazacanthus** Davis, 370; orthotype *C. VERRUCOSUS* Davis (fossil).
- Carcharopsis** (Agassiz) Davis, 381; orthotype *C. PROTOTYPUS* Ag. (fossil) (name only in 1843). A synonym of *DICRENODUS* Romanowsky.
- Glyphanodus** Davis, 386; orthotype *G. TENUIS* Davis (fossil). A synonym of *PETALODUS*.
- Rhamphodus** Davis, 402; orthotype *R. DISPAR* Davis.
- Diclitodus** Davis, 410; orthotype *D. SCITULUS* Davis (fossil).
- Tomodus** (Agassiz) Davis, 446; orthotype *T. CONVEXUS* Morris & Roberts (fossil).
- Copodus** (Agassiz) Davis, 464; orthotype *C. CORNUTUS* Davis (fossil).
- Lobodus** (Agassiz) Davis, 468; orthotype *L. PROTOTYPUS* Ag. (fossil). A synonym of *COPODUS* (Ag.) Davis.

- Mesogomphus** (Agassiz) Davis, 470; orthotype *M. LINGUA* Ag. (fossil). A synonym of *COPODUS*.
- Rhymodus** (Agassiz) Davis, 473; orthotype *R. TRANSVERSUS* Ag. (fossil). A synonym of *COPODUS*.
- Pinacodus** (Agassiz) Davis, 476; orthotype *P. GONOFLEX* Ag. (fossil). A synonym of *COPODUS*.
- Characodus** (Agassiz) Davis, 474; orthotype *C. ANGULATUS* Ag. (fossil) (name only, printed by Morris & Roberts, 1862). Name preoccupied; a synonym of *COPODUS*.
- Dimyleus** (Agassiz) Davis, 478; orthotype *D. WOODI* (Ag.) Davis (fossil).
- Mylacodus** Davis, 480; orthotype *M. QUADRATUS* Davis (fossil). A synonym of *COPODUS*.
- Homalodus** Davis, 484; logotype *H. TRAPEZIFORMIS* Davis (fossil). A synonym of *PSAMMODUS* Ag.
- Petalodopsis** Davis, 499; orthotype *P. TRIPARTITUS* Davis (fossil). Name preoccupied; a synonym of *CTENOPTYCHIUS*.
- Pristodus** (Agassiz) Davis, 519; orthotype *P. FALCATUS* Davis (fossil).
- Phoderacanthus** Davis, 534; orthotype *P. GRANDIS* Davis (fossil).
1390. DE VIS (1883). *Descriptions of Some New Queensland Fishes*. Proc. Linn. Soc. New S. Wales, 1883, VII, 367-371.
CHARLES W. DE VIS.
- Cleidopus** De Vis, 367; orthotype *C. GLORIA-MARIS* De Vis. A synonym of *MONOCENTRIS* Bl. & Schn.
1391. FACCIOLÀ (1883). *Note sui pesci dello stretto di Messina*. Naturalista Siciliano, 1883, II, 145-148.
LUIGI FACCIOLÀ.
- Pelopsia** Facciola, 145; orthotype *P. CANDIDA* Facciola. Said to be the young of *CHLOROPHTHALMUS* Ag.
1392. GAUDRY (1883). *Les enchaînements du monde animal dans les temps géologiques. Fossiles primaires*.
JEAN ALBERT GAUDRY (1827-1908).
- Megapleuron** Gaudry, 239; orthotype *M. ROCHEI* Gaudry (fossil). A synonym of *SAGENODUS*.
1393. GIGLIOLI (1883). *Intorno a due nuovi pesci dal golfo di Napoli*. Zool. Anz., 1883, VI, 397-400.
ENRICO HILLYER GIGLIOLI.
- Bellottia** Giglioli, 399; orthotype *B. APODA* Giglioli.
1394. GIGLIOLI (1883). *New and Very Rare Fish from the Mediterranean*. (Part 2.) Nature.
ENRICO HILLYER GIGLIOLI.
- Bathyophilus** Giglioli, 199; orthotype *B. NIGERRIMUS* Giglioli.
1395. GILL (1883). (*Pedunculate Fishes*.) Forest & Stream, November 8.
THEODORE GILL.
- Cryptopsaras** Gill, November 8, 1883; orthotype *C. COUESI* Gill.
- Typhlopsaras** Gill, 284; orthotype *T. SHUFELDTI* Gill. Apparently a synonym of *MANACALIAS* Gill.

1396. GILL (1883). *Diagnosis of New Genera and Species of Deep-sea Fish-like Vertebrates*. Proc. U. S. Nat. Mus., VI, 253-260.

THEODORE GILL.

- Bathymyzon** Gill, 254; orthotype *PETROMYZON BAIRDI* Gill.
Histiobranchus Gill, 255; orthotype *H. INFERNALIS* Gill.
Hyperchoristus Gill, 256; orthotype *H. TANNERI* Gill.
Sigmops Gill, 256; orthotype *S. STIGMATICUS* Gill.
Stephanoberyx Gill, 258; orthotype *S. MONÆ* Gill.
Plectromus Gill, 257; orthotype *P. SUBORBITALIS* Gill.
Caulolepis Gill, 258; orthotype *C. LONGIDENS* Gill.
Bassozetus Gill, VI, 259; orthotype *B. NORMALIS* Gill.

1397. GILL & RYDER (1883). *Diagnosis of New Genera of Nemichthyoid Eels*. Proc. U. S. Nat. Mus., 1883, VI, 260-262.

THEODORE GILL; JOHN ADAM RYDER (1852-95).

- Labichthys** Gill & Ryder, 261; orthotype *L. CARINATUS* Gill & Ryder.
Spinivomer Gill & Ryder, 261; orthotype *S. GOODEI* Gill & Ryder.
Serrivomer Gill & Ryder, 260; orthotype *S. BEANI* Gill & Ryder.

1398. GILL & RYDER (1883). *On the Anatomy and Relations of the Eurypharyngida*. Proc. U. S. Nat. Mus., 1883, VI, 262-273.

THEODORE GILL; JOHN ADAM RYDER.

- Gastrostomus** Gill & Ryder, 271; orthotype *G. BAIRDI* Gill & Ryder.

1399. GOODE (1883). *The Generic Names Amitra and Thyris Replaced*. Proc. U. S. Nat. Mus., VII.

GEORGE BROWN GOODE.

- Monomitra** Goode, 109; orthotype *AMITRA LIPARINA* Goode. Substitute for *AMITRA* Goode, 1880, regarded as preoccupied by *AMITRUS* Schönherr, a beetle.
Delothyris Goode, 109; orthotype *THYRIS PELLUCIDUS* Goode. Substitute for *THYRIS* Goode, preoccupied; larval form of *MONOLENE* Goode.

1400. JORDAN & GILBERT (1883). *Notes on the Nomenclature of Certain North American Fishes*. Proc. U. S. Nat. Mus., VI.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

- Scytaliscus** Jordan & Gilbert, 111; orthotype *SCYTALINA CERDALE* J. & G. Substitute for *SCYTALINA*, regarded as preoccupied by *SCYTALINUS*.

1401. KAYSER (1883). *Richthofen's Beiträge zur Paläontologie von China*. Berlin, 1883.

FRIEDRICH HEINRICH EMANUEL KAYSER (1845-).

- Leptodus** Kayser, 161; orthotype *L. RICHTHOFENI* Kayser (fossil).

1402. KOENEN (1883). *Beiträge zur Kenntniss der Placodermen des Norddeutschen Oberdevons*. Abh. Ges. Wiss. Göttingen, XXX.

ADOLF VON KOENEN.

- Brachydirus** Koenen, 26; orthotype *COCCOSTEUS INFLATUS* Koenen (fossil).
Anomalichthys Koenen, 38; orthotype *A. SCABER* Koenen (fossil).

1403. MACLEAY (1883). *On a New and Remarkable Fish of the Family Mugilidae*. Proc. Linn. Soc. New S. Wales, VIII, 2-6.

WILLIAM MACLEAY.

- Æschrichthys** Macleay, 5; orthotype *A. GOLDBEI* Macleay.

1404. MACLEAY (1883). *Contributions to a Knowledge of the Fishes of New Guinea*, No. 4. Proc. Linn. Soc. New S. Wales, VIII, 252-282.

WILLIAM MACLEAY.

Tetracentrum Macleay, 256; orthotype *T. APOGONOIDES* Macleay.

1405. NEWBERRY (1883). *Some Interesting Remains of Fossil Fishes Recently Discovered*. Trans. N. Y. Acad. Sci., II, 144-147.

JOHN STRONG NEWBERRY.

Mylostoma Newberry, 145; logotype *M. TERRELLI* Newberry.

1406. ST. JOHN & WORTHEN (1883). *Descriptions of Fossil Fishes; a Partial Revision of the Coeliodonts and Psammodonts, Including Notices of Miscellaneous Material Acquired from the Carboniferous formations of the United States*. Geol. Surv. Ill., VII, 55-264.

ORESTES H. ST. JOHN; A. H. WORTHEN.

Tæniodus St. John & Worthen, 75; logotype *T. REGULARIS* St. John & Worthen (fossil). A synonym, as here restricted, of *PSEPHODUS* Ag.

Stenoterodus St. John & Worthen, 102; logotype *S. PLANUS* St. John & Worthen (fossil).

Vaticinodus St. John & Worthen, 82; logotype *V. VETUSTUS* St. John & Worthen (fossil).

Chitonodus St. John & Worthen, 112; logotype *C. SPRINGERI* St. John & Worthen (fossil).

Deltodopsis St. John & Worthen, 160; logotype *D. ANGUSTUS* St. John & Worthen (fossil).

Orthopleurodus St. John & Worthen, 192; logotype *O. CONVEXUS* St. John & Worthen (fossil).

Acondylacanthus St. John & Worthen, 241; logotype *A. RECTUS* St. John & Worthen (fossil).

Eunemacanthus St. John & Worthen, 246; orthotype *CTENACANTHUS COSTATUS* Newberry & Worthen (fossil). A synonym of *CTENACANTHUS*.

Gymnatacanthus St. John & Worthen, 249; logotype *G. RUDIS* St. John & Worthen (fossil).

Batacanthus St. John & Worthen, 253; orthotype *B. NECIS* St. John & Worthen (fossil).

Pnigeacanthus St. John & Worthen, 259; orthotype *P. TRIGONALIS* St. John & Worthen (fossil).

1407. SAUVAGE (1883). *Note sur les poissons du muschelkalk de Pontpierre (Lorraine)*. Bull. Soc. Geol. (3), XI, 492-496.

HENRI ÉMILE SAUVAGE

Meristodon Sauvage, 480; orthotype *M. JURENSIS* Sauvage (fossil).

Paralates Sauvage, 485; orthotype *P. BLEICHERI* Sauvage (fossil).

Sparosoma Sauvage, 487; orthotype *S. OVALIS* Sauvage (fossil). Preoccupied by *SPARISOMA* Sw.

1408. SAUVAGE (1883). *Sur une collection de poissons recueillis dans le lac Biwako (Japon) par M. F. Steenackers*. Bull. Soc. Philom., Paris, 1883, ser. 7, VII, 144-150.

HENRI ÉMILE SAUVAGE.

Tribolodon Sauvage, 149; orthotype *T. PUNCTATUM* Sauvage.

1409. SAUVAGE (1883). *Descriptions de quelques poissons de la collection du museum d'histoire naturelle*. Bull. Soc. Philom., Paris, 1883, ser. 7, VII, 156-161.

HENRI ÉMILE SAUVAGE.

Petroscirtes Sauvage, 158; orthotype P. GERMANI Sauvage. Name preoccupied by PETROSCIRTES Rüppell.

1410. STEINDACHNER & DÖDERLEIN (1883). *Beiträge zur Kenntniss der Fische Japans*. Part 1. Denkschr. Akad. Wiss. Wien, 1883, XLVII, 1-34.

FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.

Melanostoma Steindachner & Döderlein, 5; orthotype M. JAPONICUM Steindachner & Döderlein. Name preoccupied; replaced by SYNAGROPS Gthr., 1887.

Neoditrema Steindachner & Döderlein, 32; orthotype N. RANSONNETI Steindachner & Döderlein.

Cypselichthys Steindachner & Döderlein, 14; orthotype C. JAPONICUM Steindachner & Döderlein = LABRACGLOSSA ARGENTIVENTRIS Peters. A synonym of LABRACGLOSSA Peters.

Paracirrhites Steindachner & Döderlein, 25; orthotype P. JAPONICUM Steindachner & Döderlein. Name preoccupied; replaced by ISOBUNA Jordan, 1907.

Doderleinia Steindachner, 29; orthotype D. ORIENTALIS Steindachner & Döderlein.

Acanthocephalus (Döderlein) Steindachner, 29; orthotype DODERLEINIA ORIENTALIS Steind. A manuscript synonym of DODERLEINIA, noted in passing, being preoccupied.

Labracopsis Döderlein, 235; orthotype L. JAPONICUM Döderlein.

1411. STEINDACHNER & DÖDERLEIN (1883). *Beiträge zur Kenntniss der Fische Japans*. Part 2. Denkschr. Akad. Wiss. Wien, 1883, XLVIII, 1-40.

FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.

Argo Döderlein, 34; orthotype A. STEINDACHNERI Döderlein. A synonym of TARACTES Lowe.

Pentaceroopsis Steindachner & Döderlein, 13; logotype HISTIOPTERUS RECURVIOSTRIS Rich.

Malakichthys Döderlein, 32; orthotype M. GRISEUS Döderlein. Replaces SATSUMA Smith & Pope.

1412. THOMINOT (1883). *Notice sur un poisson de genre nouveau appartenant à la famille des Sparidés*. Bull. Soc. Philom., Paris, VII.

ALEXANDRE THOMINOT.

Parhaplodactylus Thominot, 140; orthotype HAPLODACTYLUS LOPHODON Gthr.

1413. THOMINOT (1883). *Note sur le genre Aplodon, poisson de la famille des Sparidés voisin des girelles*. Bull. Sci. Philom., Paris, VII.

ALEXANDRE THOMINOT.

Aplodon (Duméril) Thominot, 141; logotype A. MARGARITIFERUM Duméril. Mss. also written HAPLODON; both forms preoccupied. Said to be a synonym of INCISIDENS Gill.

1414. TRAUTSCHOLD (1883). *Ueber Edestus und einige andere Fischreste des moskauer Bergkalks*. Bull. Soc. Imp. Nat. Moscou, LVII, pt. 2, 160-174.

HERMANN VON TRAUTSCHOLD.

Euacanthus Trautschold, 172; orthotype E. MARGARITATUS Trautschold (fossil).

1884.

1415. CLAYPOLE (1884). *Preliminary Note on Some Fossil Fishes Recently Discovered in the Silurian Rocks of North America*. Amer. Naturalist, XVIII, 1222-1226.

EDWARD WALLER CLAYPOLE (1835-1901).

Palæaspis Claypole, 1224; orthotype *P. AMERICANA* Claypole (fossil).

1416. DAVIS (1884). *On some Remains of Fossil Fishes from the Yoredale Series at Leyburn in Wensleydale*. Quart. Journ. Geol. Soc., 1884, XL, 614-634.

JAMES WILLIAM DAVIS.

Gomphacanthus Davis, 618; orthotype *G. ACUTUS* Davis (fossil).

Hemicladodus Davis, 620; orthotype *H. UNICUSPIDATUS* Davis (fossil). An unidentified fragment of a tooth.

Astrabodus Davis, 630; orthotype *A. EXPANSUS* Davis (fossil). A synonym of *PSAMMODUS*.

Echinodus Davis, 631; orthotype *E. PARADOXUS* Davis (fossil).

Cyrtonodus Davis, 631; orthotype *C. GIBBUS* Davis (fossil).

Diplacodus Davis, 633; orthotype *D. BULBOIDES* Davis (fossil).

1417. DAVIS (1884). *Description of a New Genus of Fossil Fishes from the Lias*. Ann. Mag. Nat. Hist., ser. 5, XIII, 448-453.

JAMES WILLIAM DAVIS.

Lissolepis Davis, 449; orthotype *L. SERRATUS* Davis (fossil).

1418. DE VIS (1884). *Descriptions of New Genera and Species of Australian Fishes*. Proc. Linn. Soc., New S. Wales, for 1883 (1884), VIII, 283-289.

CHARLES W. DE VIS.

Dactylophora De Vis, 284; orthotype *D. SEMIMACULATA* De Vis. Same as *PSILOCRANIUM* Macleay of the same year.

Leme De Vis, 286; orthotype *L. MORDAX* De Vis.

1419. DE VIS (1884). *Fishes from South Sea Islands*. Proc. Linn. Soc., New S. Wales, VIII, 445-457.

CHARLES W. DE VIS.

Harpage De Vis, 447; orthotype *H. ROSEA* De Vis.

Nesiotes De Vis, 453; orthotype *N. PURPURASCENS* De Vis. A synonym of *PSEUDOCROMIS* Rüppell.

Trachycephalus De Vis, 455; orthotype *T. BANKANIENSIS* De Vis. Name preoccupied; a synonym of *AMPHIPRIONICHTHYS* Blkr., 1855.

1420. FACCIOLÀ (1884). *Note sui pesci dello stretto di Messina*. Naturalista Sicili., III, 111-114.

LUIGI FACCIOLÀ.

Hypsirhynchus Facciola, 112; orthotype *H. HEPATICUS* Facciola.

- 1421-1422. FILHOL (1884). *Explorations sous-marines: voyage du Talisman*. La Nature, 1884, 182-186.

HENRI FILHOL (1843—).

Neostoma Filhol, 184; orthotype *N. BATHYPHILUM* Filhol.

Eustomias Filhol, 185; orthotype *E. OBSCURUS* Filhol.

1423. GARMAN (1884). *New Sharks: Chlamydoselachus anguineus and Heptranchias pectorosus*. Bull. Essex Instit., 1884, XVI, 3-15.

SAMUEL GARMAN.

Chlamydoselachus Garman, 8; orthotype *C. ANGUINEUS* Garman.

1424. GILBERT (1884). *A List of Fishes Collected in the East Fork of the White River, Indiana, with Descriptions of Two New Species*. Proc. U. S. Nat. Mus., VII, 199-205.

CHARLES HENRY GILBERT.

Hypargyrus (Forbes) Gilbert, 200; orthotype *HYBOPSIS TUDITANUS* Cope. A synonym of *CERATICHTHYS* Baird (*CLIOLA* Grd.).

Serraria Gilbert, 205; orthotype *HADROPTERUS SCIERUS* Swain.

1425. GILL (1884). *On the Anacanthine fishes*. Proc. Acad. Nat. Sci., Phila., 1884.

THEODORE GILL.

Lycenchelys Gill, 180; orthotype *LYCODES MURENA* Collett.

Lycocara Gill, 180; orthotype *OPHIDIUM PARRII* ROSS. A substitute for *URONECTES* Gthr., preoccupied.

1426. GILL (1884). *Synopsis of the genera of the superfamily Teuthidoidea* (families Teuthididae and Siganidae). Proc. U. S. Nat. Mus., VII, 1884.

THEODORE GILL.

Ctenochætus Gill, 279; orthotype *ACANTHURUS STRIGOSUS* Bennett. Replaces *CTENODON* (Bon.) Klunzinger, preoccupied.

Colocopus Gill, 279; orthotype *C. LAMBDURUS* Gill = *ACANTHURUS HEPATUS* Bl. & Schn., not *TEUTHIS HEPATUS* L.

1427. GILL (1884). *Synopsis of the Plectognath Fishes*. Proc. U. S. Nat. Mus., VII.

THEODORE GILL.

Masturus Gill, 425; orthotype *ORTHAGORISCUS OXYUROPTERUS* Blkr.

1428. GILL (1884). (*Derichthys*, etc.) American Naturalist, XVIII.

THEODORE GILL.

Derichthys Gill, 433; orthotype *D. SERPENTINUS* Gill.

Acanthochænus Gill, 433; orthotype *A. LUTKENI* Gill. Perhaps a synonym of *STEPHANOBERYX* Gill.

1429. GÜRICH (1884). (*Eupleurodus*) Zeitschr. Deutsch. Geol. Ges., XXXVI.
GEORG GÜRICH (1859-).

Eupleurodus Gürich, 142; orthotype *E. SULCATUS* Gürich (fossil) = *AMPHALODUS CHORZOWIENSIS* Meyen. A synonym of *ASTERODON* Münster.

1430. JORDAN & SWAIN (1884). *A Review of the American Species of Marine Mugilidae*. Proc. U. S. Nat. Mus., VII, 261-275.

DAVID STARR JORDAN; JOSEPH SWAIN (1857-).

Liza Jordan & Swain, 261; orthotype *MUGIL CAPITO* Cuv.

1431. JORDAN & SWAIN (1884). *A Review of the Species of the Genus Hemulon*. Proc. U. S. Nat. Mus., VII.

DAVID STARR JORDAN; JOSEPH SWAIN

Lythrulon Jordan & Swain, 284; orthotype *HÆMULON FLAVIGUTTATUS* Gill.

1432. KLUNZINGER (1884). *Die Fische des Rothen Meeres. Eine kritische Revision mit Bestimmungs-Tabellen. I. Theil. Acanthopteri veri Owen.* Stuttgart, 133.

CARL BENJAMIN KLUNZINGER.

Hyposerranus Klunzinger, 3; logotype *SERRANUS MORRHUA* Cuv. & Val. A substitute for *EPINEPHELUS* Bloch, because not originally clearly defined. A synonym of *EPINEPHELUS* Bloch, as restricted. "Bleeker nennt die *SERRANUS* jetzt *EPINEPHELUS*. Diese Sucht, alte Namen hervorzusuchen, halte ich für verfehlt, wenigstens in Fällen wie hier . . . Bloch hat allerdings verschiedene Arten dieser Gattung unter *EPINEPHELUS* aufgeführt, die Gattungsdiagnose ist aber nichtssagend" (Klunzinger). But relatively few original diagnoses are adequate until amended, and to give a new name with each new definition would lead to endless confusion. In fact, much of the chaos which rules are intended to remove is due to the method advocated by Klunzinger and justified by rule 12 of the British Association (1865, 1869), now superseded, whereby a name not fully defined should be changed if its meaning is not clearly expressed at first.

Anisochætodon Klunzinger, 54; logotype *CHÆTODON AURIGA*. A substitute for *LINOPHORA* Kaup and *ONYCHÆTODON* Blkr., the definition being changed. A synonym of *LINOPHORA* Kaup.

Ctenodon (Bonaparte) Klunzinger, 85; orthotype *ACANTHURUS STRIGOSUS* Bennett. Name preoccupied; replaced by *CTENOCHÆTUS* Gill, 1884.

Hypocarax Klunzinger, 92; logotype *SCOMBER SPECIOSUS* Bloch. A synonym of *GNATHANODON* Blkr. Under the new name of *HYPOCARAX*, Klunzinger includes Bleeker's genera, *HEMICARAX*, *GNATHANODON*, *SELAROIDES*, and *URASPIS*. His conception of a genus is that of a compartment of species, its name to be changed whenever the walls are altered. But in modern nomenclature a genus is a group of species clustered around a type which may be arbitrarily chosen. The oldest type-name included (unless preoccupied) gives its name to the whole. *HYPOCARAX* is inadmissible, being merely a synonym of *GNATHANODON* Blkr., its first species mentioned (*SPECIOSUS*) being the type of *GNATHANODON*. The same remarks apply to *PSEUDOSERRANUS* Klunzinger (1870), a substitute for the earlier names *SERRANUS* and *VARIOLA*.

1433. LANKESTER (1884). *Report on Fragments of Fossil Fishes from the Paleozoic Strata of Spitzbergen.* Svensk. Vet. Akad. Handl., 1884, XX, 1-7.

EDWIN RAY LANKESTER.

Lophostracon Lankester, 5; orthotype, *L. SPITZBERGENSE* Lankester (fossil).

1434. MACLEAY (1884) *On a New Genus of Fishes from Port Jackson.* Proc. Linn. Soc., New S. Wales, VIII, 439-443.

WILLIAM MACLEAY.

Psilocranium Macleay, 439; orthotype *P. COXII* Macleay. Same as *DACTYLOPHORA* De Vis, of the same year. McCulloch gives the latter name precedence.

1435. SAUVAGE (1884). *Contribution a la faune ichthyologique du Tonkin.* Bull. Soc. Zool. France, 1884, VII, ser. 7, 150-155.

HENRI ÉMILE SAUVAGE.

Gymnognathus Sauvage, 214; orthotype *G. HARMANDI* Sauvage. Name preoccupied; gives place to *ASPIDOLUCIUS* Berg.

1436. SAUVAGE (1884). *Sur un siluroïde de l'île de la Réunion*. Bull. Soc. Philom., Paris, 1884, VII, sér. 8, 147-148.

HENRI ÉMILE SAUVAGE.

Laimumena Sauvage, 147; orthotype *L. BORËONICA* Sauvage.

1437. STEINDACHNER (1884). *Ichthyologische Beiträge*, XIII. Sitzb. Akad. Wiss. Wien, 1883 (1884), 1 Abth., LXXXVIII, 1065-1114.

FRANZ STEINDACHNER.

Parapercis Steindachner, 1071; orthotype *P. RAMSAYI* Steind. Name preoccupied; replaced by *NEOPERCIS* Steind.

Peronedys Steindachner, 1083; orthotype *P. ANGUILLARIS* Steind.

Neopatæcus Steindachner, 1087; orthotype *PATÆCUS MACULATUS* Gthr.

Austrolabrus Steindachner, 1100; orthotype *LABRICHTHYS MACULATA* Macleay.

1438. THOMINOT (1884). *Note sur un poisson de la famille des Cyprinodontidæ*. Bull. Soc. Philom., Paris, VII, sér. 8, 149-158.

ALEXANDRE THOMINOT.

Rhodeoides Thominot, 150; orthotype *R. VAILLANTI* Thominot.

1439. TRAQUAIR (1884). *Notice of New Fish remains from the Blackband Ironstone of Borough Lee, near Edinburgh*, No. 5. Geol. Mag., 1884, III, dec. 1, 64-65.

RAMSAY HEATLEY TRAQUAIR.

Aganacanthus Traquair, 64; orthotype *A. STRIATUS* Traquair (fossil).

1885.

1440. BEAN (1885). *On Stathmonotus, a New Genus of Fishes Related to Murænoides, from Florida*. Proc. U. S. Nat. Mus., 1885, VIII, 191-192.

TARLETON HOFFMAN BEAN.

Stathmonotus Bean, 191; orthotype *S. HEMPHILLI* Bean.

1441. CLAYPOLE (1885). *On the Recent Discovery of Pteraspidian Fish in the Upper Silurian Rocks of North America*. Quart. Journ. Geol. Soc., XLI.

EDWARD WALLER CLAYPOLE.

Palæaspis Claypole, 62; orthotype *P. AMERICANA* Claypole (fossil): (detailed account).

1442. COCCO (1885). *Indice ittologico del mare di Messina*. Naturalista Siciliana, V.

ANASTASIO COCCO.

Symproptopterus Cocco, 294; orthotype not stated by Hilgendorf. A *Paralepis*, with dorsal and anal joined to caudal; perhaps a monstrosity; mentioned by Bonaparte, 1846.

1443. COPE (1885). *Eocene Paddle-Fish and Gonorhynchidæ*. Amer. Nat., XIX, 1090-91.

EDWARD DRINKER COPE.

Notogoneus Cope, 1091; orthotype *N. OSCULUS* Cope (fossil).

1444. DAVIS (1885). *The Fossil Fishes of the Chalk of Mount Lebanon*. Royal Dublin Society, 1885, ser. 2, III, 457-636.

JAMES WILLIAM DAVIS.

- Centrophoroides** Davis, 478; orthotype *C. LATIDENS* Davis (fossil).
- Rhinognathus** Davis, 480; orthotype *R. LEWISI* Davis. Name preoccupied, replaced by *SCAPANORHYNCHUS* Woodw., 1889.
- Spathiurus** Davis, 503; orthotype *S. DORSALIS* Davis (fossil).
- Amphilaphurus** Davis, 504; orthotype *A. MAJOR* Davis (fossil) = *SPATHIURUS DORSALIS* Davis. A synonym of *SPATHIURUS*.
- Xenopholis** Davis, 548; orthotype *X. CARINATUS* Davis (fossil).
- Exocetoides** Davis, 551; orthotype *E. MINOR* Davis (fossil).
- Lewisia** Davis, 593; orthotype *L. OVALIS* Davis = *CLUPEA LATA* Ag. (fossil). A synonym of *SPANIODON* Pictet.
- Pantopholis** Davis, 599; orthotype *P. DORSALIS* Davis (fossil).
- Eurygnathus** Davis, 601; logotype *E. MAJOR* Davis (fossil). A synonym of *ENCHODUS* Ag.
- Phylactocephalus** Davis, 605; orthotype *P. MICROLEPIS* Davis (fossil). A synonym of *HALEC* Ag.
1445. DE VIS (1885). *New Australian Fishes in the Queensland Museum*. Proc. Linn. Soc. New S. Wales, IX, 389-400, 537-547, etc.
CHARLES W. DE VIS.
- Herops** De Vis, 392; orthotype *H. MUNDA* De Vis. A synonym of *KUHLIA* Gill.
- Homodemus** De Vis, 395; orthotype *H. CAVIFRONS* De Vis. A synonym of *OLIGORUS* Gthr.
- Autisthes** De Vis, 398; orthotype *A. ARGENTUS* De Vis. A synonym of *THERAPON* Cuv.
- Hephæstus** De Vis, 399; orthotype *H. TULLIENSIS* De Vis. *THERAPON FULIGINOSUS* Macleay. A synonym of *THERAPON* Cuv.
- Neoniphon** De Vis, 537; orthotype *N. HASTA* De Vis. Preoccupied by Castelnau, 1875.
1446. DE VIS (1885). *New Fishes in the Queensland Museum*. Proc. Linn. Soc. New S. Wales, 1885, IX, 869-887.
CHARLES W. DE VIS.
- Onar** De Vis, 875; orthotype *O. NEBULOSUM* De Vis. A synonym of *PSEUDOCROMIS* Rüppell.
- Torresia** De Vis, 881; orthotype *T. LINEATA* De Vis.
- Julichthys** De Vis, 884; orthotype *J. INORNATA* De Vis.
1447. FACCIOLÀ (1885). *Su di alcuni vari Pleuronettidi del Mar di Messina. Nota preliminare*. Nat. Sicil., IV, 261-266.
LUIGI FACCIOLÀ.
- Charybdia** Facciolà, 265; orthotype *PELORIA RUPPELLII* Cocco. A larval flounder, perhaps young of *PLATOPHRYS* Sw.
1448. FISCHER (1885). *Ichthyologische und herpetologische Bemerkungen*. Jahrb. Hamburg. Wiss. Anstalten, 1885, II, 49-119.
JOHANN GUSTAV FISCHER (1819-1889).
- Sclerocottus** Fischer, 58; orthotype *S. SCHRADERI* Fischer.
- Gymnelichthys** Fischer, 61; orthotype *G. ANTARCTICUS* Fischer.
1449. FORBES (1885). *Description of New Illinois Fishes*. Bull. Illinois Lab. Nat. Hist., II.
STEPHEN ALFRED FORBES (1848-).
- Oxygeneum** Forbes, 136; orthotype *O. PULVERULENTUM* Forbes.

1450. GARMAN (1885). *The Generic Name of the Pastinacas or Sting Rays*. Proc. U. S. Nat. Mus., VIII.
SAMUEL GARMAN.
Dasybatus (Klein) Garman, 221; orthotype *RAJA PASTINACA* L. A revival of a non-binomial name of Klein as reprinted by Walbaum in place of *DASYATIS* Raf. and TRYGON (Adanson) Geoffroy.
1451. GARMAN (1885). *Chlamydoselachus anguineus Garm., a Living Representative of Cladodont Sharks*. Bull. Mus. Comp. Zool. Harvard College, XII.
SAMUEL GARMAN.
Pternodus Garman, 6; orthotype *PHŒBODUS SPRINGERI* St. John & Worthen (fossil). Name preoccupied by *PTERNODUS* Owen, 1867; probably a synonym of *PHŒBODUS*.
- Dicranodus** Garman, 30; orthotype *DIDYMODUS TEXENSIS* Cope (fossil). Substitute for *DIDYMODUS* Cope, regarded as preoccupied by *DIDYMODON* Blake, 1863, a mammal; perhaps same as *DITTODUS* Owen and *ORTHACANTHUS* Ag.
1452. GILL (1885). *Riverside Natural History*. Edited by John Sterling Kingsley. III. *Lower Vertebrates*, Chapter ACANTHOPTERYGIANS.
THEODORE GILL.
Phrynotitan Gill, 255; orthotype *BATRACHUS GIGAS*, the author not stated, the name not found by me.
1453. GOODE & BEAN (1885). *On American Fishes in the Linnean Collection*. Proc. U. S. Nat. Mus., VIII.
GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.
Borborys (Broussonet Ms.) Goode & Bean, 205; orthotype *COBITIS HETEROCLITUS* L. A synonym of *FUNDULUS* Lac.
1454. GOODE & BEAN (1885). *Descriptions of New Fishes Obtained by the United States Fish Commission, Mainly from Deep Water Off the Atlantic and Gulf Coasts*. Proc. U. S. Nat. Mus., VIII, 589-605.
GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.
Neobythites Goode & Bean, 601; orthotype *N. GILLI* G. & B.
Porogadus Goode & Bean, 602; orthotype *P. MILES* G. & B.
Bathyonus Goode & Bean, 603; logotype *B. CATENA* G. & B.
1455. GOODE & BEAN (1885). *Description of a New Genus and Species of Perculate Fishes (Halieutella lappa)*. Proc. Biol. Soc. Wash., II, 88.
GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.
Halieutella Goode & Bean, 88; orthotype *H. LAPPA* G. & B.
1456. JORDAN (1885). *Identification of the Species of Cyprinidae and Catostomidae Described by Dr. Charles Girard, etc. (1856)*. Proc. U. S. Nat. Mus., VIII.
DAVID STARR JORDAN.
Luxilinus Jordan, 126; orthotype *LUXILUS OCCIDENTALIS* Baird & Girard = young of *LAVINIA EXILICAUDA* Baird & Grd. A synonym of *LAVINIA* Baird & Grd.
1457. JORDAN (1885). *A Catalogue of the Fishes Known to Inhabit the Waters of North America North of the Tropic of Cancer*. Rept. U. S. Fish Comm. for 1885 (1887). (Reprint issued 1885.)
DAVID STARR JORDAN.
Crystallaria Jordan & Gilbert, 78; orthotype *PLEUROLEPIS ASPRELLUS* Jordan.
Rhothœca Jordan, 80; orthotype *PŒCILICHTHYS ZONALIS* Cope. Substitute for *NANOSTOMA* Putnam, regarded as preoccupied by *NANNOSTOMUS* Gthr.

- Artediellus** Jordan, 110; orthotype *COTTUS UNCINATUS* Reinl.
- Icelinus** Jordan, 110; orthotype *ARTEDIUS QUADRISERIATUS* Lockington.
- Otophidium** (Gill MS.) Jordan, 126; orthotype *GENYPTERUS OMOSTIGMA* J. & G.
- Pleurogadus** (Bean) Jordan, 130; orthotype *GADUS NAVAGA* Kölr. A substitute for *TILEsia*, preoccupied. A synonym of *ELEGINUS* Fischer, 1813, not of Cuvier & Valenciennes, 1830.
- Aramaca** (Jordan & Goss) Jordan, 133; orthotype *CITHARICHTHYS PÆTULUS* J. & G. = *PLEURONECTES ARAMACA* Dönn Dorf = *PLEURONECTES PAPILLOSUS* L. A synonym of *SYACIUM* Ranz.
- Eopsetta** Jordan & Goss, 135; orthotype *HIPPOGLOSSOIDES JORDANI* Lockington.
- Lyopsetta** Jordan & Goss, 135; orthotype *HIPPOGLOSSOIDES EXILIS* J. & G.
- Inopsetta** Jordan and Goss, 136; orthotype *PAROPHRYs ISCHYRUS* J. & G.
1458. JORDAN & MEEK (1885). *A Review of the American Species of Flying-fish.* (*EXOCETUS.*) Proc. U. S. Nat. Mus., VIII.
DAVID STARR JORDAN; SETH EUGENE MEEK (1859-1914).
- Fodiator** Jordan & Meek, 45; orthotype *EXOCETUS ACUTUS* Cuv. & Val.
1459. KRAMBERGER (1885). *Palacontologische Beiträge.* Soc. Hist. Nat. Croatia Rad. Jugoslav. Akad., LXXII.
DRAGUTIN GORJANOVIC KRAMBERGER.
- Holcodon** Kramberger, 19; orthotype *SOLENODON NEOCOMIENSIS* Kramberger = *SAUROCEPHALUS LYCODON* Kner (fossil). Name a substitute for *SOLENODON* Kramberger, preoccupied; thought to be a synonym of *ENCHODUS*.
- Hypospondylus** Kramberger, 31; orthotype *H. BASSANII* Kramberger (fossil).
- Mesiteia** Kramberger, 54; orthotype *M. EMILLE* Kramberger.
1460. KUNISCH (1885). *Dactylolepis gogoliensis.* Zool. Geol. Ges., XXXVII, 588-594.
HERMANN KUNISCH (1853-1893).
- Dactylolepis** Kunisch, 588; orthotype *D. GOGOLIENSIS* Kunisch (fossil). A synonym of *COLOLOBUS* Ag.
1461. LAUBE (1885). *Ein Beiträge zur Kenntniss der Fische des böhmischen Turons.* Denk. Akad. Wiss. Wien., 1. Abth., 285-298.
GUSTAV CARL LAUBE (1839-).
- Protelops** Laube, 286; orthotype *P. GEINITZII* Laube (fossil).
1462. MARCK (1885). *Fische der oberen Kreide Westfalens.* Paleontographica, 1885, XXXI, 233-267.
W. VON DER MARCK.
- Charitosomus** Marck, 257; orthotype *C. FORMOSUS* Hosius & von der Marck (fossil).
1463. MOCQUARD (1885). *Sur un nouveau genre de Blennioïde voisin des Clinus.* Bull. Soc. Philom. Paris, 1885, 18-20.
M. MOCQUARD.
- Acanthoclinus** Mocquard, 18; orthotype *A. CHAPERI* Mocquard. Name preoccupied; replaced by *PARACLINUS* Mocquard (1886).
1464. NEWBERRY (1885). *Description of Some Gigantic Placoderm Fishes Recently Discovered in the Devonian of Ohio.* Trans. N. Y. Acad. Sci., 1885, V, 25-28.
JOHN STRONG NEWBERRY.
- Titanichthys** Newberry, 27; orthotype *T. AGASSIZI* Newberry.

1465. NEWBERRY (1885). *Description of Some Peculiar Screw-like Fossils from the Chemung Rocks*. Ann. N. Y. Acad. Sci., XVIII, 217-220.
JOHN STRONG NEWBERRY.
- Spiraxis** Newberry, 219; orthotype S. MAJOR Newberry. Name preoccupied; replaced by PROTOSPIRAXIS Williams.
1466. NOETLING (1885). *Die Fauna des sammländischen Tertiärs. (Pisces.)* Abh. Geol. Spec. Preuss., 1885, VI, 3-106.
FRITZ NOETLING (1857-).
- Pseudosphærodon** Noetling, 104; orthotype P. HILGENDORFI Noetling (fossil).
1467. OGILBY (1885). *Notes and Descriptions of Some Rare Port Jackson Fishes*. Proc. Linn. Soc. New S. Wales, X.
JAMES DOUGLAS OGILBY (1848-).
- Petraites** Ogilby, 225; orthotype P. HEPTACOLUS Ogilby.
1468. ROCHEBRUNE (1885). *Poissons de la Rivière Casamence, Afrique occidentale*. Bull. Sci. Philom. Paris, IX.
ALPHONSE TRÉMEAU DE ROCHEBRUNE.
- Gyrinostomus** Rochebrune, 96; orthotype G. MARCHEI Rochebrune.
1469. STEINDACHNER & DÖDERLEIN (1885). *Beiträge zur Kenntniss der Fische Japans*. (3) Denkschr. Akad. Wiss. Wien, XLIX.
FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.
- Neopercis** Steindachner, 212; orthotype PERCIS RAMSAYI Steind. Substitute for PARAPERCIS Steind., preoccupied.
-
- 1886.
1470. BASSANI (1886). *Sui fossili e sull' età degli scisti bituminosi triasici di Bcsano in Lombardia*. Atté. Soc. Ital. Sci. Nat., XXIX.
FRANCESCO BASSANI.
- Nothosomus** Bassani, 37; orthotype N. BELLOTTI Bassani (fossil).
1471. COLLETT (1886). *On a New Pediculate Fish from the Sea off Madeira (Linophryne lucifer)*. Proc. Zool. Soc. London, 138-142.
ROBERT COLLETT.
- Linophryne** Collett, 138; orthotype L. LUCIFER Collett.
1472. COPE (1886). *Fossil Fishes from Brazil*. Proc. Amer. Phil. Soc., XXIII.
EDWARD DRINKER COPE.
- Apocopodon** Cope, 2; orthotype A. SERICEUS Cope (fossil).
- Chiromystus** Cope, 4; orthotype C. MAWSONI Cope (fossil).
1473. COPE (1886). *On Two New Forms of Polyodont and Gonorrhynchid Fishes from the Rocky Mountains*. Mem. Nat. Acad. Sci., Washington, III.
EDWARD DRINKER COPE.
- Crossophilus** Cope, 162; orthotype C. MAGNICAUDATUS Cope.
1474. COPE (1886). *An Interesting Connecting Genus of Chordata*. Amer. Nat., XX.
EDWARD DRINKER COPE.
- Mycterops** Cope, 1027; orthotype M. ORDINATUS Cope. (Said by Woodward to be an EURYPTERID CRUSTACEAN.)

1475. FRITSCH (1886). *Ergebnisse der Vergleichen an den elektrischen Organen der Torpedinen*. Arch. Anat. Physiol., 358-370.

GUSTAV THEODOR FRITSCH.

Gymnotorpedo Fritsch, 365; logotype TORPEDO OCCIDENTALIS Storer.

Fimbriotorpedo Fritsch, 365; logotype TORPEDO MARMORATA Risso = RAJA TORPEDO L. A synonym of TORPEDO Duméril, and of authors.

1476. GOODE & BEAN (1886). *Reports on the Results of Dredging, under the supervision of Alexander Agassiz, in the Gulf of Mexico (1877-78) and in the Caribbean Sea (1879-80), by the U. S. Coast Survey steamer "Blake," etc.* Bull. Mus. Comp. Zool., Harvard Coll., 1886, XII, no. 5, 153-170.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Barathronus Goode & Bean, 164; orthotype, B. BICOLOR G. & B.

Benthosaurus Goode & Bean, 168; orthotype B. GRALLATOR G. & B.

1477. JORDAN (1886). *List of Fishes Collected at Havana, Cuba, in December, 1883, with notes and descriptions*. Proc. U. S. Nat. Mus. IX.

DAVID STARR JORDAN.

Scartella Jordan, 50; orthotype BLENNIUS MICROSTOMUS Poey.

1478. JORDAN & EVERMANN (1886). *Description of Six New Species of Fishes from the Gulf of Mexico, with Notes on Other Species*. Proc. U. S. Nat. Mus., 1886, IX, 466-476. (September 17.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Steinegeria Jordan & Evermann, 467; orthotype S. RUBESCENS J. & E.

1479. JORDAN (1886). *Notes on Typical Specimens of Fishes Described by Cuvier and Valenciennes and preserved in the Musée d'Histoire Naturelle in Paris*. Proc. U. S. Nat. Mus., 1886, IX, 525-546.

DAVID STARR JORDAN.

Marcgravia Jordan, 546; orthotype BATRACHUS CRYPTOCENTRUS Cuv. & Val. A synonym of AMPHICHTHYS Sw., the name later changed to MARCGRAVICHTHYS by Ribeiro, because MARCGRAVIA is used in Botany.

1480. JORDAN (1886). *A Preliminary Catalogue of the Fishes of the West Indies*. Proc. U. S. Nat. Mus., IX.

DAVID STARR JORDAN.

Amiichthys (Poey), Jordan, 586; orthotype ——— DIAPTERUS Poey (1861). Only the specific name of this fish was published by Poey.

1481. JORDAN & FORDICE (1886). *A Review of the American Species of Belontiæ*. Proc. U. S. Nat. Mus., IX.

DAVID STARR JORDAN; MORTON W. FORDICE.

Athlennes Jordan & Fordice, 342; orthotype BELONE HIANS Cuv. & Val. See ABLENNES, of which word ATHLENNES was an accidental slip in writing.

Ablennes Jordan & Fordice, 342; orthotype BELONE HIANS Cuv. & Val. Misprinted ATHLENNES, an orthography accepted by Jordan & Evermann, but altered to the correct Greek form from ἀβλέννης (sans mucosité, an old name for the needlefish), by a decision of the International Commission on Nomenclature.

1482. LARRAZET (1886). *Des Pièces de la peau de quelques sélaciens fossiles*. Bull. Soc. Geol. France, 1886, III, ser. 14, 255-277.

AUGUSTIN LARRAZET (1855-) .

- Dynatobatis** Larrazet, 258; logotype *D. PARANENSIS* Larrazet (fossil).
Acanthobatis Larrazet, 258; orthotype *A. EXIMIA* Larrazet (fossil).
1483. MACLEAY (1886). *A Remarkable Fish from Lord Howe Island*. Proc. Linn. Soc. New South Wales, 1886, X, 718-720.
 WILLIAM MACLEAY.
Ctenodax Macleay, 718; orthotype *C. WILKINSONI* Macleay. A synonym of *TETRAGONURUS* Risso.
1484. MIKLUKHO-MACLAY & MACLEAY (1886). *Plagiostomata of the Pacific*. III. Proc. Linn. Soc. N. South Wales, 1886, X, 674-684.
 NICOLAI NICOLAEVICH MIKLUKHO-MACLAY; WILLIAM MACLEAY.
Discobatis Miklukho-Maclay & Macleay, 676; orthotype *D. MARGINIPINNIS* Miklukho-Maclay & Macleay = *RAJA LYMMA* Forskål. A synonym of *TENTURA* M. & H.; not *DISCOBATUS* Garman.
1485. ROMANOVSKY (1886). (*Lyrolepis*). Geol. Soc. St. Petersburg, XXII.
 GHENNADEI DANILOVICH ROMANOVSKY.
Lyrolepis Romanovsky, 304; orthotype *L. CAUCASICUS* Romanovsky (fossil).
1486. STORMS (1886). *Note sur un nouveau genre de poisson fossile de l'argile rupélienne*. Ann. Soc. Geol. Belgique. XIII. 261-266.
 RAYMOND STORMS.
Amphodon Storms, 265; orthotype *A. BENEDENI* Storms (fossil). Regarded as preoccupied by *AMPHODUS* Peters, 1872; replaced by *SCOMBRAMPHODON* Woodw., 1901.
1487. SZAJNOCHA (1886). *Ueber fossile Fische von Monte Bolca bei Verona*. Pam. Akad. Krakau, XII, (text in Polish).
 WLADYSLAW SZAJNOCHA (1857-).
Hacquetia Szajnocha, 3; orthotype *H. BOLCENSIS* Szajnocha (fossil).
1488. TRAQUAIR (1886). *On Harpacanthus, a New Genus of Carboniferous selachian spines*. Ann. Mag. Nat. Hist., 1886, 5 ser., XVIII, 493-496.
 RAMSAY HEATLEY TRAQUAIR.
Harpacanthus Traquair, 493; orthotype *TRISTYCHIUS FIMBRIATUS* Stock. (fossil).
1489. VAILLANT (1886). *Considerations sur les poissons des grandes profondeurs et en particulier sur . . . les Abdominales*. Comptes Rendus, Ac. Sci. Paris, CIII.
 LÉON LOUIS VAILLANT.
Anomalopterus Vaillant, 1239; orthotype *A. PINGUIS* Vaillant.
Leptoderma Vaillant, 1239; orthotype *L. MACROPS* Vaillant.
1490. WETTSTEIN (1886). *Ueber die Fischfauna des tertiären Glarner Schiefers*. Abb. Schweiz. Paläont. Ges., XIII, 1-103.
 ALEXANDER WETTSTEIN (1861-1887).
Scopeloides Wettstein, 55; orthotype *OSMERUS GLARISIANUS* Ag. (fossil).
Archæteuthis Wettstein, 67; orthotype *A. GLARONESIS* Wettstein (fossil).
Cytooides Wettstein, 91; orthotype *C. GLARONESIS* Wettstein (fossil).
1491. YATES (1886). *Catalogue of Fossils in Lorenzo G. Yates Collection, Santa Barbara, Cal.*
 LORENZO G. YATES.

Platychodus Yates, 20; orthotype **PTYCHODUS MORTONI** Mantell (fossil). A synonym of **PTYCHODUS** Ag. (perhaps a slip of the pen for the latter name).

1887.

1492. BEAN (1887). *Description of a New Genus and Species of Fish, Acrotus willoughbyi from Washington Territory.* Proc. U. S. Nat. Mus., X, 631-632.

TARLETON HOFFMAN BEAN.

Acrotus Bean, 631; orthotype **A. WILLOUGHBYI** Bean.

1493. BOULENGER (1887). *An Account of Fishes Collected by Mr. C. Buckley in eastern Ecuador.* Proc. Zool. Soc. London, 1887, II, 274-283.

GEORGE ALBERT BOULENGER (1858-).

Nannoglanis Boulenger, 278; orthotype **N. FASCIATUS** Boulenger.

Leptogoniates Boulenger, 281; orthotype **L. STEINDACHNERI** Boulenger.

1494. DAMES (1887). *Ueber Titanichthys pharao . . . aus der Kreideformation Aegyptens.* Sitzber. Ges. Nat. Freunde Berlin, 69-72.

WILHELM BARNIM DAMES (1843-1898).

Titanichthys Dames, 69; orthotype **T. PHARAO** Dames. Name preoccupied; replaced by **GIGANTICTHYS** Dames, p. 137, 1888.

1495. FORIR (1887.) *Contributions a l'étude du système Crétacé de la Belgique.* Ann. Mem. Soc. Geol. Belgique, XIV, 25-56.

H. FORIR.

Anomæodus Forir, 25; orthotype **PYCNODUS SUBCLAVATUS** Ag. (fossil).

1496. GÜNTHER (1887). *Report on the Deep-Sea Fishes Collected by H. M. S. "Challenger" during the years 1873-76. In Report on the Scientific Results of the Voyage of H. M. S. "Challenger" during the years 1873-76, XXII, pt. 57, 1-268.*

ALBERT GÜNTHER.

Synagrops Günther, 16; orthotype **MELANOSTOMA JAPONICUM** Döderlein. Substitute for **MELANOSTOMA** Döderlein, preoccupied.

Malacosarcus Günther, 30; orthotype **M. MACROSTOMUS** Gthr.

Diceratias Günther, 53; orthotype **CERATIAS BISPINOSUS** Gthr.

Lyocetus Günther, 57; orthotype **L. MURRAYI** Gthr.

Salilota Günther, 95; orthotype **HALOPORPHYRUS AUSTRALIS** Gthr.

Catætyx Günther, 104; orthotype **SIREMBO MESSIERI** Gthr.

Pteroidonus Günther, 106; orthotype **P. QUINQUARIUS** Gthr.

Mixonus Günther, 108; orthotype **BATHYNECTES LATICEPS** Gthr.

Nematonus Günther, 114; orthotype **BATHYONUS PECTORALIS** G. & B.

Diplacanthopoma Günther, 115; orthotype **D. BRACHYSOMA** Gthr.

Nematonurus Günther, 124; orthotype **N. ARMATUS** (Hector).

Cetonurus Günther, 124; orthotype **C. CRASSICEPS** Gthr.

Trachonurus Günther, 124; orthotype **MACRURUS VILLOSUS** Gthr.

Lionurus Günther, 124; orthotype **CORYPHENOIDES FILICAUDA** Gthr.

Mystaconurus Günther, 124; orthotype **M. LONGIBARBEIS** Gthr.; a synonym of **HYMENOCEPHALUS Giglioli**.

Optonurus Günther, 147; orthotype **O. DENTICULATUS** Günther.

Lyconus Günther, 158; orthotype **L. PINNATUS** Gthr.

- Polyipnus** Günther, 170; orthotype *P. SPINOSUS* Gthr.
Nannobrachium Günther, 199; orthotype *N. NIGRUM* Gthr.
Omosudis Günther, 201; orthotype *O. LOWI* Gthr.
Opostomias Günther, 208; orthotype *ECHIOSTOMA MACRIPNUS* Gthr.
Pachystomias Günther, 210; orthotype *ECHIOSTOMA MICRODON* Gthr.
Photonectes Günther, 212; orthotype *LUCIFER ALBIPENNIS* Döderlein. Substitute for *LUCIFER* Döderlein, preoccupied.
1497. GÜNTHER (1887). *Descriptions of Two New Species of Fishes from Mauritius*, etc. Proc. Zool. Soc. London.
 ALBERT GÜNTHER.
- Hoplolatilus** Günther, 550; orthotype *LATILUS FRONTICINCTUS* Gthr.
1498. HERZENSTEIN & VARPAKHOVSKII (1887). *Notizen ueber die Fisch-fauna des Amur-Beckens und der angrenzenden Gebiete* (Russian text). Trudui St. Petersb. Nat., 1887, XVIII, 1-58.
 SALOMON MARKOVICH HERZENSTEIN (1854-1894);
 NIKOLAI ARKADEVICH VARPAKHOVSKII (1862-).
- Octonema** Herzenstein, 47; orthotype *O. PLESKEI* Herzenstein. Name preoccupied; replaced by *LEFUA* Herzenstein.
1499. MATTHEW (1887). *Preliminary Notice of a New Genus of Silurian Fishes (Diplaspis acadicus)*. Bull. Nat. Hist. Soc. New Brunswick, VI.
 GEORGE FREDERICK MATTHEW (1837-).
- Diplaspis** Matthew, 69; orthotype *PTERASPIS ACADICA* Matthew (fossil). A synonym of *CYATHASPIS* Lankester.
1500. MORTON (1887). (*Eurumetopos*.) Proc. Roy. Soc. Tasmania for 1887. (1888.)
 ALLPORT MORTON.
- Eurumetopos** Morton, 77; orthotype *E. JOHNSTONI* Morton. A synonym of *HYPEROGLYPHE* Gthr.
1501. OGILBY (1887). *On a New Genus of Percidae*. Proc. Zool. Soc. London, 1887, 616-18.
 JAMES DOUGLAS OGILBY.
- Chthamalopteryx** Ogilby, 616; orthotype *C. MELBOURNENSIS* Ogilby. A synonym of *PAEQUULA* Steind.
1502. OGILBY (1887). *On a New Genus and Species of Australian Mugilidae*. Proc. Zool. Soc. London, 614-616.
 JAMES DOUGLAS OGILBY.
- Trachystoma** Ogilby, 614; orthotype *T. MULTIDENS* Ogilby.
1503. PHILIPPI (1887). *Historia natural. Sobre los tiburones y algunos otros peces de Chile*. Anal. Univ. Chile, 1887, LXXI, 1-42.
 RUDOLPHO AMANDUS PHILIPPI.
- Graus** Philippi, 40; orthotype *G. NIGRA* Philippi.
1504. RAMSAY & OGILBY (1887). *On a New Genus and Species of Labroid Fish from Port Jackson*. Proc. Linn. Soc. New South Wales, 1887 (2), II, 631-634.
 EDWARD PIERSON RAMSAY; JAMES DOUGLAS OGILBY.

- Eupetrichthys** Ramsay & Ogilby, 631; orthotype *E. ANGUSTIPES* Ramsay & Ogilby.
1505. RAMSAY & OGILBY (1887). *Notes on the Genera of Australian Fishes*. Proc. Linn. Soc. New South Wales, 1887, 2 ser., II, 181-184.
EDWARD PIERSON RAMSAY; JAMES DOUGLAS OGILBY.
- Percalates** Ramsay & Ogilby, 182; orthotype *LATES COLONORUM* Gthr.
1506. SCHLÜTER (1887). *Panzerfische, etc.* Niederrhein. Ges., Bonn, 1887, 120.
(Also in Nat. Ver. Preuss. West., XLIV, 1888, 126.)
CLEMENS (AUGUST JOSEPH) SCHLÜTER (1836-).
- Ceraspis** Schlüter, 120; orthotype *C. CARINATUS* Schlüter (fossil). Name preoccupied, according to Hilgendorf.
- Drepanaspis** Schlüter, 120; orthotype *D. GEMUENDENSIS* Schlüter (fossil).
1507. STEINDACHNER & DÖDERLEIN (1887). *Beiträge zur Kenntniss der Fische Japans, IV.* Denksch. Kais. Akad. Wiss. Wien., 1887, LIII, 258-296.
FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.
- Myxocephalus** Steindachner & Döderlein, 281; orthotype *M. JAPONICUS* Steindachner & Döderlein.
1508. STORMS (1887). *Notes sur les poissons fossiles du terrain rupélien.* Bull. Soc. Belg. Geol. Paléont., I, 98-112.
RAYMOND STORMS.
- Platylates** Storms, 98; orthotype *P. RUPELIENSIS* Storms (fossil).
1509. VARPAKHOVSKII (1887). *Ueber die Gattung Hemiculter Bleeker und über eine neue Gattung, Hemiculterella.* Bull. Acad. Sci. St. Petersb., 14-23.
NIKOLAI ARKADEVICH VARPAKHOVSKII.
- Hemiculterella** Varpakhovskii, 23; orthotype *H. SAUVAGEI* Varpakhovskii.
1510. WILLIAMS (1887). *On the Fossil Faunas of the Upper Devonian, the Genesee Section, New York.* Bull. U. S. Geol. Surv., XLI, 1-104.
HENRY SHALER WILLIAMS (1847-1916).
- Prospiraxis** Williams, 86; orthotype *SPIRAXIS MAJOR* Newberry (fossil). Substitute for *SPIRAXIS* Newberry, preoccupied.
1511. ZIGNO (1887). *Due novi pesci fossili della famiglia dei Balistini, scoperto nel terreno Eocene del Veronese.* Mem. Soc. Ital., VI.
ACHILLE DE ZIGNO (1813-1892).
- Probalistum** (Massalongo) Zigno, 3; orthotype *OSTRACION IMPERIALIS* Massalongo (fossil). A synonym of *SPINACANTHUS* Ag.
1512. ZITTEL (1887). *Handbuch der Paläontologie. I. Abtheilung. Paläozoologie, Band III. Vertebrata, 1887-90, pp. 1-900.*
KARL ALFRED VON ZITTEL (1839-1904).
- Chalcodus** Zittel, 72; orthotype *C. PERMIANUS* Zittel (fossil).
- Metopacanthus** Zittel, 110; orthotype *ISCHYODUS ORTHORHINUS* Egerton (fossil). A synonym of *MYRIACANTHUS* Ag.
- Chimæropsis** Zittel, 113; orthotype *C. PARADOXA* Zittel (fossil).
- Isopholis** Zittel, 216; logotype *OPHIOPSIS MUNSTERI* Ag. A synonym of *ECGNATHUS* Ag.; regarded as preoccupied. But *FURO* Gistel, 1848, is a still earlier substitute.

1888.

1513. BASSANI (1888). *Sopra un nuovo genere di fisostomi scoperto nell' Eocene medio del Friuli, in provincia di Udine*. Atti. Acad. Sci. Napoli, 1889, 2 ser., III, 1-4.

FRANCESCO BASSANI.

Omiodon Bassani, 2; orthotype O. CABASSI Bassani (fossil).

1514. DAMES (1888). *Amblypristis cheops, aus dem Eocän Aegyptens*. Sitzber. Ges. Naturf. Berlin, 1888, 106-109.

WILHELM BARNIM DAMES.

Amblypristis Dames, 106; orthotype A. CHEOPS Dames (fossil).

1515. DAMES (1888). *Die Ganoiden der deutschen Muschelkalk*. Paleont. Abh., IV, Heft 2, 131-180 (1-50 reprint).

WILHELM BARNIM DAMES.

Gigantichthys Dames, 137 (7 reprint); orthotype TITANICHTHYS PHARAO Dames (fossil). Substitute for TITANICHTHYS Dames, preoccupied.

Crenilepis Dames, 171 (40 reprint); orthotype C. SANDBERGERI Dames (fossil); a fragment of a scale from the Muschelkalk of Krainberg, Germany.)

1516. DAY (1888). *Supplement to the Fishes of India*.

FRANCIS DAY.

Acanthonotus (Tickell) Day, 807; orthotype A. ARGENTUS Day. Name preoccupied, replaced by MATSYA Day, 1889.

1517. EIGENMANN & EIGENMANN (1888). *Preliminary Notes on South American Nematognathi*. Proc. Cal. Acad. Sci., 119-172.

CARL H. EIGENMANN (1863-); ROSA SMITH EIGENMANN (1860-).

Luciopimelodus Eigenmann & Eigenmann, 122; logotype PIMELODUS PATI Val.

Pimelodella Eigenmann & Eigenmann, 136; orthotype PIMELODUS CRISTATUS M. & T.

Duopalatinus Eigenmann & Eigenmann, 136; orthotype PLATYSOMA EMARGINATUM Cuv. & Val.

Sciadeoides Eigenmann & Eigenmann, 136; orthotype SCIADES MARMORATUS Gill.

Steindachneria Eigenmann & Eigenmann, 137; orthotype PLATYSOMA PARAHYBÆ Steind. Name preoccupied; replaced by STEINDACHNERIDION Eigenmann.

Hassar Eigenmann & Eigenmann, 158; orthotype DORAS ORESTES Steindachner.

Decapogon Eigenmann & Eigenmann, 165; orthotype CALLICHTHYS ADSPERSUS Steindachner.

Neoplecostomus Eigenmann & Eigenmann, 171; orthotype PLECOSTOMUS MICRIPS Steindachner.

Rhamedella Eigenmann & Eigenmann, 172; logotype R. FRIARCHA Eigenmann & Eigenmann.

1518. EIGENMANN & EIGENMANN (1888). *A List of American Species of Gobiidae and Callionymidae, with notes on the Specimens Contained in the Museum of Comparative Zoology, at Cambridge, Massachusetts*. Proc. Cal. Acad. Sci., 1888, 2 ser., 51-78.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Barbulifer Eigenmann & Eigenmann, 70; orthotype B. PAPILLOSUS Eigenmann & Eigenmann = GOBIOSOMA CEUTHÆCUM J. & G.

Clevelandia Eigenmann & Eigenmann, 73; orthotype GOBIOSOMA LONGIPINNE Steind.

1519. FRITSCH (1888). *Fauna der Gaskohle und der Kalksteine der Permformation Böhmens, II.*

ANTON JAN FRITSCH.

Dipnoites Fritsch, 86; orthotype *D. PERNERI* Fritsch (fossil). A cranial bone.

1520. FACCIOLÀ (1888). *Annunzio ittologico*. Natur. Sicil., VII.

LUIGI FACCIOLÀ.

Symphodoichthys Facciola, 167; orthotype *S. FASCIATUS* Facciola.

1521. GARMAN (1888). *On an Eel from the Marshall Islands*. Bull. Essex Institute, 1889, XX, 114-116.

SAMUEL GARMAN.

Rhinomuræna Garman, 114; orthotype *R. QUESITA* Garman.

1522. GILL (1888). *On the Classification of the Mail-Checked Fishes*. Proc. U. S. Nat. Mus., XI.

THEODORE GILL.

Histiocottus Gill, 573; orthotype *PEROPUS BILOBUS* Lay & Bennett. Substitute for *PEROPUS* Lay & Bennett, preoccupied.

1523. GILL (1888). *Gleanings Among the Pleuronectids, and Observations on the Name Pleuronectes*. Proc. U. S. Nat. Mus., XI.

THEODORE GILL.

Eucitharus Gill, 600; orthotype *PLEURONECTES LINGUATULA* L. Substitute for *CITHARUS* Blkr., preoccupied by *CITHARUS* Reinh., 1838; itself a synonym of *CITHARUS* Röse, 1793.

Cyclopsetta Gill, 601; orthotype *HEMIRHOMBUS FIMBRIATUS* G. & B.

Trichopsetta Gill, 601; orthotype *ARNOGLOSSUS VENTRALIS* G. & B.

1524. GILL (1888). *Some Extinct Scleroderms*. Amer. Naturalist, 1888, XXII, 446-448.

THEODORE NICHOLAS GILL.

Protacanthodes Gill, 448; orthotype *PROTOBALISTUM OMBONI* Zigno (fossil).

1525. GILL (1888). *Note on the Genus Dipteronodon*. Proc. U. S. Nat. Mus., XI.

THEODORE GILL.

Dichistius Gill, 68; orthotype *DIPTERODON CAPENSIS* Cuv. Substitute for *DIPTERODON* Cuv. (1829), preoccupied by *DIPTERODON* Lac. (1803).

1526. GOODE & BEAN (1888). *Three Cruises of the "Blake," by Alexander Agassiz, II.*

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Steindachneria Goode & Bean, 26; orthotype (*S. ARGENTEA* G. & B.) A short diagnosis but no type named; fully defined in Oceanic Ichthyology, 1896, 419. Meanwhile a genus of South American Silurids had been named *STEINDACHNERIA* by Eigenmann, who gave the present genus of *MACRURIDS* the name of *STEINDACHNERELLA*. But the first diagnosis is adequate to hold the name, and a new name, *STEINDACHNERIDION*, has been assigned by Eigenmann to his genus of *SILURIDS*.

1527. HERZENSTEIN (1888). *Wissenschaftliche Resultate der von N. M. Przewolski nach Central-Asien unternommenen Reisen*. Zoologischer Theil, Band III, 2 Abth., 1 Lief., 91 p.

SALOMON MARKOVICH HERZENSTEIN.

- Lefua** Herzenstein, 3; orthotype *OCTONEMA PLESKEI* Herzenstein, substitute for *OCTONEMA* Herzenstein & Varpachovski, preoccupied. Replaces *ELNIS* Jordan & Fowler.
1528. HERZENSTEIN (1888). *Wissenschaftliche Resultate der von N. M. Przeczalski nach Central-Asien unternommenen Reisen*. Zoologischer Theil, III, 2 Abth., 2 Lief., Fische, 181-262.
SALOMON MARKOVICH HERZENSTEIN.
- Chuanchia** Herzenstein, 224; orthotype *C. LABIOSA* Herzenstein.
- Platypharodon** Herzenstein, 226; orthotype *P. EXTREMUS* Herzenstein.
1529. HILGENDORF (1888). *Fische aus dem Victoria Nyanza (Ukerewe-see)*. . . . *Dr. G. A. Fischer*. Sitzber. Ges. Naturforschende Freunde, Berlin.
FRANZ MARTIN HILGENDORF.
- Haplochromis** Hilgendorf, 76; orthotype *H. OBLIQUIDENS* Hilgendorf.
1530. JENKINS & EVERMANN (1888). *Description of Eighteen New Species of Fishes from the Gulf of California*. Proc. U. S. Nat. Mus., X, 137-158.
OLIVER PEEBLES JENKINS (1850-); BARTON WARREN EVERMANN.
- Hermosilla** Jenkins & Evermann, 144; orthotype *H. AZUREA* Jenkins & Evermann.
- Pseudobleennius** Jenkins & Evermann, 156; orthotype *P. HYPACANTHUS* Jenkins & Evermann.
1531. JORDAN (1888). *On the Generic Name of the Tunny*. Proc. Acad. Nat. Sci. Phila.
DAVID STARR JORDAN.
- Albacora** Jordan, 180; orthotype *SCOMBER THYNNUS* L. A substitute for *THYNNUS* Cuv., preoccupied, but *THUNNUS* South is older.
- Germo** Jordan, 180; orthotype *SCOMBER ALALUNGA* Gmelin.
1532. JORDAN (1888). *Manual of the Vertebrates, etc.* Edition V.
DAVID STARR JORDAN.
- Miniellus** Jordan, 56; orthotype *HYBOPSIS PROCNE* Cope. A synonym of *ALBURNOPS* Grd.
1533. JORDAN & BOLLMAN (1888). *List of Fishes Collected at Green Turtle Cay, in the Bahamas, by Charles L. Edwards; with Descriptions of Three New Species*. Proc. U. S. Nat. Mus., XI, 549-553.
DAVID STARR JORDAN; CHARLES HARVEY BOLLMAN (1868-1889).
- Stilbiscus** Jordan & Bollman, 549; orthotype *S. EDWARDSI* Jordan & Bollman. An ally of *MORINGUA* Gray.
1534. JORDAN & GOSS (1888). *A Review of the Flounders and Soles (Pleuronectidæ) of America and Europe*. Ann. Rept. U. S. Comm. Fish and Fisheries for 1886 (1888).
DAVID STARR JORDAN; DAVID KOP GOSS (1863-1900).
- Azevia** Jordan & Goss, 271; orthotype *CITHARICHTHYS PANAMENSIS* Steindachner.
- Quenselia** Jordan, 306; orthotype *PLEURONECTES OCELLATUS* L.
- Acedia** Jordan, 321; orthotype *APHORISTIA NEBULOSA* G. & B.
1535. KIRSCH (1888). *Note on a Collection of Fishes Obtained in the Gila River at Fort Thomas, Arizona, by Lieut. W. L. Carpenter, U. S. Army*. Proc. U. S. Nat. Mus., XI, 555-558.
PHILIP HENRY KIRSCH (1851-1900).

Xyrauchen Kirsch, 556; orthotype *CATOSTOMUS CYPHO* Lockington = *CATOSTOMUS TEXANUS* C. C. Abbott.

1536. MOCQUARD (1888). *Revision des Clinus de la Collection du Museum, etc.* Bull. Sci. Philom. Paris, I.

F. MOCQUARD.

Paraclinus Mocquard, 41; orthotype *ACANTHOCLINUS CHAPERI* Mocquard. Substitute for *ACANTHOCLINUS* Mocquard, preoccupied.

1537. REIS (1888). *Die Cœlacanthinen mit besonder Berücksichten der im Weissen Jura Bayerns vorkommenden Gattungen.* Paleontographica, XXV.

OTTO M. REIS.

Rhabdoderma Reis, 71; orthotype *CÆLACANTHUS ELEGANS* Ag. (fossil). A synonym of *CÆLACANTHUS* Ag.

1538. STEINDACHNER (1888). *Ichthyologische Beiträge, XVII.* S. B. Ak. Wiss. Wien., XCIX.

FRANZ STEINDACHNER.

Hoplotilapia Steindachner, 60; orthotype *PARATILAPIA RETRODENS* Steindachner.

1539. TRAQUAIR (1888). *Further Notes on Carboniferous Selachii.* Geol. Mag. 3, dec. V.

RAMSAY HEATLEY TRAQUAIR.

Callopristodus Traquair, 85; orthotype *CTENOPTYCHIUS PECTINATUS* Ag. (fossil).

Dicentrodus Traquair, 86; orthotype *CLADODUS BICUSPIDATUS* Traquair (fossil).

Chondrenchelys Traquair, 103; orthotype *C. PROBLEMATICA* Traquair (fossil).

1540. TRAQUAIR (1888). *Notes on the Nomenclature of the Fishes of the Old Red Sandstone of Great Britain.* Geol. Mag., 1888, III, dec. 5, 507-517.

RAMSAY HEATLEY TRAQUAIR.

Microbrachium Traquair, 510; orthotype *M. DICKII* Traquair (fossil).

Mesacanthus Traquair, 511; orthotype *ACANTHODES PUSILLUS* Ag. (fossil).

Rhadinacanthus Traquair, 511; orthotype *DIPLACANTHUS LONGISPINUS* Ag. (fossil). A synonym of *DIPLACANTHUS* Ag.

Thursius Traquair, 516; orthotype *T. PHOLIDOTUS* Traquair (fossil).

1541. TRAUTSCHOLD (1888). *Ueber Edestus protopirata Trd.* Zeitschr. Deutsch. Geol. Ges., 1888, XL, 750-753.

HERMANN VON TRAUTSCHOLD.

Protopirata Trautschold, 750; orthotype *EDESTUS PROTOPIRATA* Trautschold (fossil). = *P. CENTRODON* Trautschold. A synonym of *EDESTUS* Leidy.

1542. VAILLANT (1888). (*Poissons.*) *Mission scientifique du Cap Horn, 1882-83.* VI. Zoologie, Paris, 1888, 1-35.

LÉON (LOUIS) VAILLANT.

Enantioliparis Vaillant, 22; orthotype *E. PALLIDUS* Vaillant.

1543. VAILLANT (1888). *Expéditions scientifiques du "Travailleur" et du "Talisman" pendant les années 1880, 1881, 1882, 1883.* *Poissons.* Paris, 1-406.

LÉON VAILLANT.

Gyrionemus Vaillant, 18, 45; orthotype *G. NUMMULARIS* Vaillant = *DIRETMUS ARGENTEUS* G. & B. A synonym of *DIRETMUS* Gthr.

Opisthoproctus Vaillant, 105; orthotype *O. SOLEATUS* Vaillant.

- Eustomias** Vaillant, 112; orthotype *E. obscurus* Vaillant.
Scopelogadus Vaillant, 141, 385; orthotype *S. cocles* Vaillant. A synonym of *MELAMPHAES* Gthr.
Anomalopterus Vaillant, 160; orthotype *A. pinguis* Vaillant. This genus and the next noticed in 1886.
Leptoderma Vaillant, 165; orthotype *L. macrops* Vaillant.
Alexeterion Vaillant, 182; orthotype *L. parfaiti* Vaillant.
Brosmiculus Vaillant, 292; orthotype *B. imberbis* Vaillant.
Lycodophis Vaillant, 311; orthotype *L. albus* Vaillant. A synonym of *LYCENCHELYS* Gill.
Gymnolycodes Vaillant, 312; orthotype *G. edwardsi* Vaillant.
Neostoma Vaillant, 385; logotype *N. bathyphilus* Vaillant.
1544. WOODWARD (1888). *A Synopsis of the Vertebrate Fossils of the English Chalk*. Proc. Geol. Assoc. London, 1888, X, 273-338.
 ARTHUR SMITH WOODWARD (1864-).
- Synechodus** Woodward, 288; orthotype *Hybodus dubrisiensis* Mackie (fossil).
Elasmodectes (Newton) Woodward. 301; orthotype *Elasmognathus willetti* Newton (fossil). Substitute for *ELASMOGNATHUS* Newton, preoccupied.
Neorhombolepis Woodward, 304; orthotype *N. excelsus* Woodw. (fossil).

 1889.

1545. ALCOCK (1889) *On the Bathybial Fishes of the Bay of Bengal and Neighboring Waters, Obtained During the Season of 1888-9*. Ann. Mag. Nat. Hist., 1889, IV, 376-399, 450-461.
 ALFRED WILLIAM ALCOCK.
- Paracentroscyllium** Alcock, 379; orthotype *P. ornatum* Alcock.
Brephostoma Alcock, 383; orthotype *B. carpenteri* Alcock.
Pycnocraspedum Alcock, 386; orthotype *P. squamipinne* Alcock.
Paradicrolene Alcock, 387; orthotype *P. multifilis* Alcock.
Saccogaster Alcock, 389; orthotype *S. maculatus* Alcock.
Glyptophidium Alcock, 390; orthotype *G. argenteum* Alcock.
Halosaurichthys Alcock, 454; orthotype *H. carinicauda* Alcock.
Coloconger Alcock, 456; orthotype *C. raniceps* Conger.
Sauromurænesox Alcock, 457; orthotype *S. vorax* Alcock.
Dysomma Alcock, 459; orthotype *D. bucephalus* Alcock.
Gavialiceps Alcock, 460; orthotype *G. teniola* Alcock.
1546. BEAN (1889). *Description of a New Cottoid Fish Collected by the U. S. Fish Com. (Synchirus gilli)*. Proc. U. S. Nat. Mus., XII, 641-642.
 TARLETON HOFFMAN BEAN.
- Synchirus** Bean, 642; orthotype *S. gilli* Bean.
1547. COLLETT (1889). *Diagnoses de poissons nouveaux provenant des campagnes de "L'Irondelle"*. Bull. Soc. Zool. France, 1889, XIV, 291-293, 122-132.
 ROBERT COLLETT.
- Conchognathus** Collett, 123; orthotype *C. grimaldii* Collett. A synonym of *SIMENCHELYS* Gill.
Photostomias Collett, 291; orthotype *P. guerni* Collett.

1548. COPE (1889). *Storms on the Adhesive Disk of Echeneis*. Amer. Naturalist, 1889, XXIII, 254-255.

EDWARD DRINKER COPE.

Opisthomyzon Cope, 255; orthotype ECHENEIS GLARONENSIS Wettstein (fossil).

1549. DAY (1889). *W. T. Blanford, the Fauna of British India, including Ceylon and Burmah; (Fishes)*.

FRANCIS DAY.

Matsya Day, 292; orthotype ACANTHONOTUS ARGENTEUS Day. A substitute for ACANTHONOTUS (Tickell) Day, preoccupied.

1550. DEECKE (1889). *Ueber Fische aus verschiedenen Horizonten der Trias*. Palæontographica, 1888-89, XXV., 97-138.

JOHANNES ERNST WILHELM DEECKE.

Allolepidotus Deecke, 114; logotype PHOLIDOPHORUS RUPPELLI Bellotti (fossil).

Archæosemionotus Deecke, 121; orthotype A. CONNECTENS Deecke (fossil). Probably a synonym of SEMIONOTUS.

Prohalecites Deecke, 125; orthotype PHOLIDOPHORUS PORRO Bellotti (fossil).

1551. EIGENMANN & EIGENMANN (1889). *Notes from the San Diego Biological Laboratory. The Fishes of Cortez Banks, etc.* West. Amer. Sci., 1889, VI, 123-132; 147-150.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Paricelinus Eigenmann & Eigenmann, 131; orthotype P. HOPLITICUS Eigenmann & Eigenmann.

1552. EIGENMANN & EIGENMANN (1889). *Description of New Nematognathoid Fishes from Brazil*. West. Amer. Sci., VI, 8-10.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Microlepidogaster Eigenmann & Eigenmann, 8; orthotype M. PERFORATUS Eigenmann & Eigenmann.

1553. EIGENMANN & EIGENMANN (1889). *Preliminary Description of New Species and Genera of Characinidæ*. West. Amer. Sci., 1889, VI, 7-8.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Psectrogaster Eigenmann & Eigenmann, 7; orthotype P. RHOMBOIDES Eigenmann & Eigenmann.

1554. EIGENMANN & EIGENMANN (1889). *Preliminary Notes on South American Nematognathi*, II. Proc. Cal. Acad. Sci. (2), II, 28-56.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Acentronichthys Eigenmann & Eigenmann, 29; orthotype A. LEPTOS Eigenmann & Eigenmann.

Nemuroglanis Eigenmann & Eigenmann, 29; orthotype N. LANCEOLATUS Eigenmann & Eigenmann.

Farlowella Eigenmann & Eigenmann, 32; orthotype ACESTRA ACUS Kner. Substitute for ACESTRA Kner, preoccupied in Mollusks.

Oxyropsis Eigenmann & Eigenmann, 39; orthotype O. WRIGHTIANA Eigenmann & Eigenmann.

Hisonotus Eigenmann & Eigenmann, 41; orthotype H. NOTATUS Eigenmann & Eigenmann.

Parotocinclus Eigenmann & Eigenmann, 41; orthotype OTOCINCLUS MACULICAUDA Steind.

- Panaque** Eigenmann & Eigenmann, 44; orthotype *CHÆTOSTOMUS NIGROLINEATUS* Peters.
- Delturus** Eigenmann & Eigenmann, 45; orthotype *D. PARAHYBE* Eigenmann & Eigenmann.
- Hemipsilichthys** Eigenmann & Eigenmann, 46; orthotype *XENOMYSTUS GOBIO* Lütken. Substitute for *XENOMYSTUS* Lütken, preoccupied.
- Tridens** Eigenmann & Eigenmann, 53; orthotype *T. MELANOPS* Eigenmann & Eigenmann.
- Pseudostegophilus** Eigenmann & Eigenmann, 54; orthotype *STEGOPHILUS NEMURUS* Gthr.
- Miuroglanis** Eigenmann & Eigenmann, 56; orthotype *M. PLATYCEPHALUS* Eigenmann & Eigenmann.
1555. EIGENMANN & EIGENMANN (1889). *A Revision of the Edentulous Genera of Curimatinae*. Ann. N. Y. Acad. Sci., IV, 409-440.
CARL H. EIGENMANN; ROSA SMITH EIGENMANN.
- Curimatella** Eigenmann & Eigenmann, 415; logotype *C. LEPIDURUS* Eigenmann & Eigenmann.
- Semitapicis** Eigenmann & Eigenmann, 415; logotype *CURIMATUS SPILURUS* Gthr.
1556. FRAAS (1889). *Kopfstacheln von Hybodus und Acrodus sogenannte Ceratodus heteromorphus Ag.* Jahrb. Ver. Vaterl. Natur. Württemberg, XLV.
EBERHARD FRAAS (1862-1915).
- Hybodonchus** Fraas, 235; orthotype *CERATODUS HETEROMORPHUS* Ag. (part) (fossil).
- Acrodonchus** Fraas, 235; orthotype confused with *CERATODUS HETEROMORPHUS* Ag. (fossil).
1557. FRITSCH (1889). *Fauna der Gasköhle und der Kalksteine der Permformation Böhmens*, Vol. II.
ANTON JAN FRITSCH.
- Tubulacanthus** Fritsch, 113; orthotype *T. SULCATUS* Fritsch (fossil).
- Brachiacanthus** Fritsch, 113; orthotype *B. SEMIPLANUS* Fritsch (fossil). (Not *BRACHYACANTHUS* Egert.)
- Platyacanthus** Fritsch, 113; orthotype *P. VENTRICOSUS* Fritsch (fossil).
1558. GIGLIOLI (1889). *On a Supposed New Genus and Species of Pelagic Gadoïd Fishes from the Mediterranean*. Proc. Zool. Soc. London, 1889, 328-332.
ENRICO HILLYER GIGLIOLI.
- Eretmophorus** Giglioli, 328; orthotype *E. KLEINENBERGI* Giglioli.
1559. GÜNTHER (1889). *On Some Fishes from Kilima-Njaro District*. Proc. Zool. Soc. London, 1889, 70-72.
ALBERT GÜNTHER.
- Oreochromis** Günther, 70; orthotype *O. HUNTERI* Gthr.
1560. GÜNTHER (1889). *Third Contribution to Our Knowledge of Reptiles and Fishes from the Upper Yang-tse-Kiang*. Ann. Mag. Nat. Hist., 1889; 6 ser. IV, 218-229.
ALBERT GÜNTHER.
- Rhynchocypris** Günther, 225; orthotype *R. VARIEGATA* Gthr.
- Scombrocypris** Günther, 226; orthotype *S. STYANI* Gthr.

Scomberopsis Günther, 226; orthotype *S. STYANI* Gthr.

Parapelecus Günther, 227; orthotype *P. ARGENTUS* Gthr.

1561. GÜNTHER (1889). *Report on the Pelagic Fishes; in Report on the Scientific Results of the Voyage of H. M. S. "Challenger" during the years 1873-76.* Vol. XXXI, pt. 78.

ALBERT GÜNTHER.

Lepidothynnus Günther, 15; orthotype *L. HUTTONI* Gthr.

Auchenoceros Günther, 24; orthotype *CALLOPTILUM PUNCTATUM* Hutton. Substitute for *CALLOPTILUM* Hutton, preoccupied.

Halaphya Günther, 38; orthotype *H. ELONGATA* Gthr.

1562. HILGENDORF (1889). *Ueber eine Fischsammlung von Haiti, welche zwei neue Arten, *Pacilia tridens* und *Elcotris maltzani*, enthält.* Sitzber. Ges. Naturf. Freunde Berlin, 1889. 51-55.

FRANZ (MARTIN) HILGENDORF.

Acropœcilia Hilgendorf, 52; orthotype *PECILIA TRIDENS* Hilgendorf.

1563. JAEKEL (1889). *Die Selachier aus dem oberen Muschelkalk Lothringens.* Abh. Geol. Spec. Elsass-Lothringen. III, 275-332.

OTTO (MAX JOHANNES) JAEKEL. (1863-).

Polyacrodus Jaekel, 321; orthotype *HYBODUS POLYCYPHUS* Jaekel (fossil).

1564. JORDAN & BOLLMAN (1889). *Descriptions of New Species of Fishes Collected at the Galapagos Islands and Along the Coast of the United States of Colombia, 1837-88.* Proc. U. S. Nat. Mus., 1889 (1890). XII, 149-183.

DAVID STARR JORDAN; CHARLES HARVEY BOLLMAN.

Xenocys Jordan & Bollman, 160; orthotype *X. JESSIE* Jordan & Bollman.

Bollmannia Jordan, 164; orthotype *B. CHLAMYDES* Jordan.

Runula Jordan & Bollman, 171; orthotype *R. AZALEA* Jordan & Bollman.

Engyophrys Jordan & Bollman, 176; orthotype *E. SANCTI-LAURENTII* Jordan & Bollman.

1565. JORDAN & EIGENMANN (1889). *A Review of the Scianida of America and Europe.* Report U. S. Fish. Comm., 1886 (1889), XIV, 343-446.

DAVID STARR JORDAN; CARL H. EIGENMANN.

Corvula Jordan & Eigenmann, 379; orthotype *JOHNIUS BATABANUS* Poey.

Callaus Jordan, 401; orthotype *CORVINA DELICIOSA* Tschudi.

1566. NEWBERRY (1889). *The Palaeozoic Fishes of North America.* Monogr. U. S. Geol. Surv., 1889 (issued August, 1890), XVI, 1-340.

JOHN STRONG NEWBERRY.

Heteracanthus Newberry, 65; orthotype *H. POLITUS* Newberry (fossil). Name preoccupied; replaced by *GAMPHACANTHUS* Miller.

Ganiodus Newberry, 67; orthotype *G. HERTZERI* Newberry (fossil).

Callognathus Newberry, 69; orthotype *C. REGULARIS* Newberry (fossil).

Sphenophorus Newberry, 91; orthotype *S. LILLEYI* Newberry (fossil).

Holonema Newberry, 92; orthotype *PTERICHTHYS RUGOSUS* Claypole (fossil).

Glyptaspis Newberry, 157; orthotype *G. VERRUCOSUS* Newberry (fossil).

Actinophorus Newberry, 174; orthotype *A. CLARKII* Newberry (fossil).

Mazodus Newberry, 178; orthotype *M. KEPLERI* Newberry (fossil).

Trachosteus Newberry, 188; orthotype *DINICHTHYS MIRABILIS* Newberry (fossil).

Stethacanthus Newberry, 198; orthotype *S. TUMIDUS* Newberry (fossil).

1567. OGILBY (1889). *Description of a New Genus and Species of Deep-Sea Fish from Lord Howe Island*. Proc. Linn. Soc. New S. Wales, 1888, 1313-1316 (1889).

JAMES DOUGLAS OGILBY.

Sternoptychides Ogilby, 1313; orthotype *S. AMABILIS* Ogilby.

1568. PFEFFER (1889). *Uebersicht der von Herrn Dr. Franz Stuhlmann in Aegypten, auf Zanzibar und dem gegenüberliegenden Festlande gesammelten Reptilien, Amphibien, Fische, etc.* Jahrb. Wiss. Anstalt Hamburg, VI, Pt. 2, 1-36.

GEORG JOHANN PFEFFER (1854-).

Anoplopterus Pfeffer, 15; orthotype *A. URANOSCOPIUS* Pfeffer. A synonym of *AMPHILIUS* Gthr.

1569. SCHULZE (1889). *Fauna piscium Germaniæ. Verzeichniss der Fische der Stromgebiete der Donau, des Rheines, der Ems, Weser, Elbe, Oder, Weichsel, des Pregels und der Memel*. Jahresber. Naturw. Ver. Magdeburg, 1889, 137-213.

ERWIN SCHULZE (1861-).

Liparus Schulze, 61; orthotype *CYPRINUS RUTILUS* L. A synonym of *RUTILUS* Raf. if this unverified citation is correct.

Epitomynis Schulze, 174; logotype *SALMO HUCHO* L. A needless substitute for *HUCHO* and *SALVELINUS*.

Metallites Schulze, 184; orthotype *CYPRINUS RUTILUS* L. A synonym of *RUTILIUS* Raf.

Epitrachys Schulze, 209; orthotype *PERCA FLUVIATILIS* L. An absurdly needless synonym of *PERCA* L.

1570. VAILLANT (1889). *Sur les poissons des eaux douces de Bornéo*. Congr. Intern. Zool. Paris, 1889, 81-82, Comptes Rendus.

LÉON VAILLANT.

Lepidoglanis Vaillant, 82; orthotype *L. MONTICOLA* Vaillant.

1571. ROHON (1889). *Ueber unter-Silurische Fische*. Mélange, Geol. Pal.; Acad. Sci. St. Petersb., I, 7-15.

JOSEPH VICTOR ROHON.

Gyrolepidotus Rohon, 8; orthotype *G. SCHMIDI* Rohon (fossil).

1572. VINCIGUERRA (1889). *Viaggio di Leonardo Fea in Burmania e regioni vicine: Pesci*. Ann. Mus. Civ. Storia Nat. Genova, II, ser. 9, 129-362.

DECIO VINCIGUERRA.

Scaphiodonichthys Vinciguerra, 285; orthotype *S. BURMANICUS* Vinciguerra.

Helgia Vinciguerra, 330; logotype *HOMALOPTERA BILINEATA* Blyth.

1574. WOODWARD (1889). *Preliminary Notes on Some New and Little Known British Jurassic Fishes*. Geol. Mag., VI, 448-455.

ARTHUR SMITH WOODWARD.

Leedsia Woodward, 451; orthotype *L. PROBLEMATICA* Woodw. (fossil). Name pre-occupied; replaced by *LEEDSICHTHYS* Woodw. (1889).

1575. WOODWARD (1889). *Notes on Some New and Little Known British Jurassic Fishes*. Ann. Mag. Nat. Hist., 6 ser., IV, 405-407.

ARTHUR SMITH WOODWARD.

Leedsichthys Woodward, 406; orthotype *LEEDSIA PROBLEMATICUS* Woodw. (fossil).
Substitute for *LEEDSIA* Woodw., preoccupied.

Browneichthys Woodward, 407; orthotype *B. ORNATUS* Woodw. (fossil).

1576. WOODWARD (1889). *On Atherstonia, a New Genus of Palæoniscid Fishes from the Karoo Formation of South Africa, and a Tooth of Ceratodus from the Stormberg Beds of the Orange Free State.* Ann. Mag. Nat. Hist., 1899, 6 ser., IV, 239-243.

ARTHUR SMITH WOODWARD.

Atherstonia Woodward, 239; orthotype *A. SCUTATA* Woodw. (fossil).

1577. WOODWARD (1889). *Catalogue of the Fossil Fishes in the British Museum of Natural History, I, 1889.*

ARTHUR SMITH WOODWARD.

Mesolophodus Woodw., 61; orthotype *M. PROBLEMATICUS* Woodw. (fossil).

Sclerorhynchus Woodward, 76; orthotype *S. ATAVUS* Woodw. (fossil).

Pleuroplax Woodward, 173; orthotype *PLEURODUS RANKINEI* Ag. (fossil). Substitute for *PLEURODUS* Hancock & Atthey, preoccupied.

Cantioscyllium Woodward, 347; orthotype *C. DECIPiens* Woodw. (fossil).

Orthacodus Woodward, 349; orthotype *LAMNA LONGIDENS* Ag. (fossil). Substitute for *SPHENODUS* Ag., regarded as preoccupied by *SPHENODON* Gray.

Scapanorhynchus Woodward, 351; orthotype *RHYNCHOGNATHUS LEWISI* Davis (fossil). A substitute for *RHYNCHOGNATHUS* Davis, preoccupied. The fossil homologue of the living shark, *MITSUKURINA* Jordan.

1578. WOODWARD (1889). *On the Palæontology of Sturgeons.* Proc. Geol. Assoc. London, 1889, XI, 24-44.

ARTHUR SMITH WOODWARD.

Pholidurus Woodward, 44; orthotype *P. DISJECTUS* Woodw. (fossil).

1890.

1579. ALCOCK (1890). *On the Bathybial Fishes Collected in the Bay of Bengal During the Season 1888-1890.* Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 197-222.

ALFRED WILLIAM ALCOCK.

Bathyseriola Alcock, 202; orthotype *B. CYANEA* Alcock.

Ponerodon Alcock, 203; orthotype *P. VASTATOR* Alcock.

Paroneiroides Alcock, 206; orthotype *P. GLOMEROSUS* Alcock.

Tauredophidium Alcock, 212; orthotype *T. HEXTHI* Alcock.

Thaumastomias Alcock, 220; orthotype *T. ATROX* Alcock.

1580. ALCOCK (1890). *On the Bathybial Fishes of the Arabian Sea, Obtained During the Season 1889-1890.* Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 295-311.

ALFRED WILLIAM ALCOCK.

Paradicrolene Alcock, 297; orthotype *P. VAILLANTI* Alcock.

Monomitopus Alcock, 297; orthotype *STREMO NIGRIFINNIS* Alcock.

Dermatorus Alcock, 298; orthotype *D. TRICHIURUS* Alcock.

Scopelogenys Alcock, 302; orthotype *S. TRISTIS* Alcock.

Narctes Alcock, 305; orthotype *N. ERIMELAS* Alcock.

Aulastomatomorpha Alcock, 307; orthotype *A. PHOSPHEROPS* Alcock.

Promyllantor Alcock, 310; orthotype *P. PURPUREUS* Alcock.

1581. ALCOCK (1890). *Descriptions of Some New and Rare Species of Fishes from the Bay of Bengal, Obtained During the Season of 1888-1889*. Journ. Asiat. Soc. Bengal, 1890, LVIII, 296-305.
ALFRED WILLIAM ALCOCK.
- Parascombrops** Alcock, 296; orthotype *P. PELLUCIDUS* Alcock.
Bathymyrus Alcock, 305; orthotype *B. ECHINORHYNCHUS* Alcock.
1582. ALCOCK (1890). *List of Placuroncetidae Obtained in the Bay of Bengal in 1888 and 1889, with Descriptions of New and Rare Species*. Journ. Asiat. Soc. Bengal, 1889, LVII, 279-295, 293-305.
ALFRED WILLIAM ALCOCK.
- Scianectes** Alcock, 284; orthotype *S. MACROPHthalmus* Alcock.
1583. ALCOCK (1890). *On Some Undescribed Shore-Fishes from the Bay of Bengal*. Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 425-443.
ALFRED WILLIAM ALCOCK.
- Psettylis** Alcock, 437; logotype *P. PELLUCIDA* Alcock.
1584. BEAN (1890). *New Fishes Collected off the Coast of Alaska and the Adjacent Region Southward*. Proc. U. S. Nat. Mus., 1890, XIII, 37-45.
TARLETON HOFFMAN BEAN.
- Bothrocara** Bean, 39; orthotype *B. MOLLIS* Bean.
Poroclinus Bean, 40; orthotype *P. ROTHROCKI* Bean.
Dasycottus Bean, 42; orthotype *D. SETIGER* Bean.
Malacocottus Bean, 43; orthotype *M. ZONURUS* Bean.
1585. DAVIS (1890). *On the Fossil Fishes of the Cretaceous Formations of Scandinavia*. Trans. Roy. Dublin Soc., IV, 363-434.
JAMES WILLIAM DAVIS.
- Bathysoma** Davis, 424; orthotype *B. LUTKENI* Davis (fossil).
1586. EIGENMANN & EIGENMANN (1890). *Additions to the Fauna of San Diego*. Proc. Cal. Ac. Sci., III, 1-24.
CARL H. EIGENMANN; ROSA SMITH EIGENMANN.
- Stenobranchius** Eigenmann & Eigenmann, 4; orthotype *S. LEUCOPSARUM* Eigenmann & Eigenmann. A synonym of *NANNOBRACHIUM* Gthr.
- Catablemella** Eigenmann & Eigenmann, 3, 24; orthotype *C. BRACHYCHIR* Eigenmann & Eigenmann. A synonym of *NOTOSCOPELUS* Gthr. (*MACROSTOMA* Risso).
1587. FATIO (1890). *Faune des Vertébrés en Suisse*. V. Histoire Naturelle des Poissons.
VICTOR FATIO.
- Spirlingus** Fatio, 389; orthotype *CYPRINUS BIPUNCTATUS* Bloch. An ally or synonym of *BLICCA*.
1588. FORBES (1890). *A New Genus of Percidae from New Zealand*. Trans. N. Z. Inst., XXII, for 1890.
H. O. FORBES.
- Plagiogeneion** Forbes 273; orthotype *THERAPON RUBIGINOSUS* Hutton.
1589. GARMAN (1890). *On the Species of the Genus Anostomus*. Bulletin Essex Inst., XXII, 15-23.
SAMUEL GARMAN.

Schizodontopsis Garman, 19; logotype *S. PROXIMUS* Garman.

1590. GARMAN (1890). *On a Genus and Species of the Characines (Hemochilus wheatlandi, etc.)*. Bull. Essex Instit., 1890, XXII, 49-52.

SAMUEL GARMAN.

Hemochilus Garman, 49; orthotype *H. WHEATLANDI* Garman.

1591. GILBERT (1890). *A Preliminary Report on the Fishes Collected by the Steamer "Albatross" on the Pacific Coast of North America during the Year 1889, etc.* Proc. U. S. Nat. Mus., 1890, XIII, 49-126.

CHARLES HENRY GILBERT.

Leuroglossus Gilbert, 57; orthotype *L. STILBIUS* Gilbert. Closely allied to *Glossanodon* (*Lioglossus*) Guichenot; perhaps the same.

Calotomus Gilbert, 70; orthotype *C. XENODON* Gilbert. A synonym of *LEPTOSCARUS* Sw.

Radulinus Gilbert, 88; orthotype *R. ASPRELLUS* Gilbert.

Bathygonus Gilbert, 89; orthotype *B. NIGRIPINNIS* Gilbert.

Xenochirus Gilbert, 90; orthotype *X. TRIACANTHUS* Gilbert. Name preoccupied; replaced by *XENERETMUS* Gilbert.

Gillellus Gilbert, 98; orthotype *G. SEMICINCTUS* Gilbert.

Cryptotrema Gilbert, 101; orthotype *C. CORALLINUM* Gilbert.

Plectobranchus Gilbert, 102; orthotype *P. EVIDES* Gilbert.

Lucioblennius Gilbert, 103; orthotype *L. ALEPIDOTUS* Gilbert.

Aprodon Gilbert, 106; orthotype *A. CORTEZIANA* Gilbert.

Lycodapus Gilbert, 107; orthotype *L. FIERASFER* Gilbert.

Lioglossina Gilbert, 122; orthotype *L. TETROPTHALMA* Gilbert.

1592. GILBERT (1890). *Supplementary List of Fishes Collected at Galapagos Islands and Panama, with Description of One New Genus and Three New Species.* Proc. U. S. Nat. Mus., 1890, XIII, 449-455.

CHARLES HENRY GILBERT.

Dialommus Gilbert, 452; orthotype *D. FUSCUS* Gilbert.

1593. GILL (1890). *Osteological Characteristics of the Family Muranosocidae.* Proc. U. S. Nat. Mus., XIII.

THEODORE GILL.

Congresox Gill, 231; orthotype *CONGER TALABON* Cuv.

1594. HERZENSTEIN (1890). *Ichthyologische Bemerkungen . . . Mélanges Biologiques.* Bull. Ac. Sci. St. Petersburg, XIII.

SALOMON MARKOVICH HERZENSTEIN.

Cheiragonus Herzenstein, 116; orthotype *HYPHAGONUS GRADIENS* Herzenstein = *ASPIDOPHORUS QUADRICORNIS* Cuv. & Val. A synonym of *HYPHAGONUS* Gill.

Dinogunellus Herzenstein, 119; orthotype *STICHÆUS GRIGORJEWI* Herzenstein.

1595. HUTTON (1890). *List of New Zealand Fishes.* Proc. N. Z. Inst., XXII.

FREDERICK WOLLASTON HUTTON.

Neptotichthys Hutton, 278; orthotype *DITREMA VIOLACEA* Hutton.

1596. JAEKEL (1890). *Ueber Phaneropteron und Hemictenodus n. g.* Sitzber. Ges. Naturf. Freunde Berlin, 1890, 1-8.

OTTO (MAX JOHANNES) JAEKEL.

- Hemictenodus** Jackel, 7; logotype CTENODUS OBLIQUUS Hancock & Atthey (fossil).
As restricted by Traquair, 1890, a synonym of SAGENODUS.
1597. JORDAN (1890). *List of Fishes Obtained (by the "Albatross") in the Harbor of Bahia and in Adjacent Waters*. Proc. U. S. Nat. Mus., XIII.
DAVID STARR JORDAN.
- Verecundum** Jordan, 330; orthotype V. RASILE Jordan.
1598. JORDAN (1890). *A Review of the Labroid Fishes of America and Europe*. Rept. U. S. Fish Comm., XV, for 1887 (1890).
DAVID STARR JORDAN.
- Lappanella** Jordan, 622; orthotype CTENOLABRIS IRIS Cuv. & Val.
Xyrula Jordan, 656; orthotype XYRICHTHYS JESSIE Jordan.
1599. JORDAN & EIGENMANN. *A Review of the Genera and Species of Serranidae Found in the Waters of America and Europe*. Bull. U. S. Fish Comm for 1888 (1890), VIII.
DAVID STARR JORDAN; CARL H. EIGENMANN.
- Gilbertia** Jordan & Eigenmann, 333, 346; orthotype PLECTROPOMA SEMICINCTUM Cuv. & Val. A synonym of HYPOPLECTRODES Gill, an undescribed genus, known by its indicated type.
- Garrupa** Jordan & Eigenmann, 353; orthotype SERRANUS NIGRITUS Holbrook.
Serranellus Jordan & Eigenmann, 399; orthotype PERCA SCRIBA L.
1600. LOHEST (1890). *Recherches sur les Poissons des Terrains Paléozoïques de Belgique. Poissons des Psammites du Condroz, Famenmien Supérieur*. Ann. Soc. Geol. Belg., XV, 112-203.
MAXIMIN LOHEST.
- Pentagonolepis** Lohest, 159; orthotype P. KONINCKI Lohest (fossil).
1601. RENAULT & ZEILLER (1890). *La Flore Fossile de Commeny*. St. Etienne, 1890.
B. RENAULT; R. ZEILLER.
- Fayolia** Renault & Zeiller, orthotype not named (fossil). Egg: the spiral egg-case of a HETERODONTID Shark, mistaken for a plant. (Quoted from Meunier).
1602. ROHON (1890). *Die Jura-Fische von Ust-Balci in Ost-Sibirien*. Mem. Ac. Petersb., XXXVIII, no. 1, 1-15.
JOSEF VICTOR ROHON.
- Palæoniscinotus** Rohon, 8; logotype P. CZEKANOWSKII Rohon (fossil).
Baleiichthys Rohon, 13; logotype B. GRACIOSA Rohon (fossil). A synonym of PHOLIDOPHORUS Ag.
1603. SCHILTHUIS (1890). *On a Collection of Fishes from the Congo; with Descriptions of Some New Species*. Tijdschr. Nederl. Dierk. Ver., 1890-92, 2 ser., III, 83-92.
LOUISE SCHILTHUIS.
- Lamprologus** Schilthuis, 85; orthotype L. CONGOENSIS Schilthuis.
1604. TRAQUAIR (1890). *On Phlyctænius, a New Genus of Coccosteidae*. Geol. Mag., 1890, III, dec. 7, 55-60.
RAMSAY HEATLEY TRAQUAIR.
- Phlyctænius** Traquair, 55; orthotype COCCOSTEUS ACADIUS Whiteaves (fossil). Name regarded as preoccupied; replaced by PHLYCTENASPIS Traquair.

1605. TRAQUAIR (1890). *Note on Phlyctænius, a New Genus of Coccosteidæ*. Geol. Mag., VII, 144.

RAMSAY HEATLEY TRAQUAIR.

- Phlyctænaspis** Traquair, 144; orthotype COCCOSTEUS ACADICUS Whiteaves. Substitute for PHLYCTÆNIUS Traquair, regarded as preoccupied by PHLYCTÆNIUM Zittel.

1606. TRAQUAIR (1890). *List of the Fossil Dipnoi and Ganoidei of Fife and the Lothian*. Proc. Roy. Phys. Soc. Edinburgh, 1890, XVII, 385-400.

RAMSAY HEATLEY TRAQUAIR.

- Drydenius** Traquair, 399; orthotype D. INSIGNIS Traquair (fossil).

1607. TRAQUAIR (1890). *Observations on Some Fossil Fishes from the Lower Carboniferous Rocks of the Eskdale, Dumfriesshire*. Ann. Mag. Nat. Hist., 1890, 6 ser., VI, 491-494.

RAMSAY HEATLEY TRAQUAIR.

- Benedenichthys** Traquair, 492; orthotype PALÆONISCUS BENEENSIS Van Beneden (fossil). A substitute for BENEDENIUS Traquair, 1878, preoccupied.

- Mesopoma** Traquair, 493; logotype CANOBIUS PULCHELLUS Traquair (fossil).

1608. TRAQUAIR (1890). *On the Fossil Fishes Found at Achanarras Quarry, Caithness*. Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 479-486.

RAMSAY HEATLEY TRAQUAIR.

- Palæospondylus** Traquair, 485; orthotype P. GUNNII Traquair (fossil).

1609. WHITEFIELD (1890). *Observations on a Fossil Fish from the Eocene Beds of Wyoming*. Bull. Amer. Mus. Nat. Hist., 1890, III, 117-120.

ROBERT PARR WHITEFIELD (1828-1910).

- Protocatostomus** Whitefield, 117; orthotype P. CONSTABELI Whitefield (fossil). A synonym of NOTOGONEUS Cope.

1610. WOODWARD (1890). *The Fossil Fishes of the Hawkesbury Series at Gosford*. Mem. Geol. Surv. New South Wales, Palæont., 1890, no. 4, 1-55.

ARTHUR SMITH WOODWARD.

- Gosfordia** Woodward, 4; orthotype G. TRUNCATA Woodw. (fossil).

- Apateolepis** Woodward, 12; orthotype A. AUSTRALIS Woodw. (fossil).

- Pristisomus** Woodward, 32; orthotype P. LATUS Woodw. (fossil).

1611. WOODWARD (1890). *On Some Upper Cretaceous Fishes of the Family Aspidorhynchidæ*. Proc. Zool. Soc. London, 1890, 629-636.

ARTHUR SMITH WOODWARD.

- Apateopholis** Woodward, 634; orthotype RHINELLUS LANIATUS Davis (fossil).

1612. WOODWARD (1890). *A Synopsis of the Fossil Fishes from the English Lower Oölites*. Proc. Geol. Assoc., XI, 289-306.

ARTHUR SMITH WOODWARD.

- Scaphodus** Woodward, 301; orthotype S. HETEROMORPHUS Woodw. (fossil).

1613. ZIGNO (1890). *Nuove aggiunte all' ittiofauna dell' epoca eocena*. Mem. Instit. Veneto, 1890, XXIII, 9-33.

ACHILLE DE ZIGNO.

- Aulorhamphus** Zigno, 19; orthotype CALAMOSTOMA BOLCENSIS Steind. (fossil). Replaces CALAMOSTOMA Steind., preoccupied.

- Histiocephalus** Zigno, 29; orthotype H. BASSANI Zigno (fossil).

1891.

1614. ALCOCK (1891). *On the Deep-Sea Fishes Collected by the "Investigator" in 1890-91.* Ann. Mag. Nat. Hist., 1891, 6 ser., VIII, 16-34, 119-138.

ALFRED WILLIAM ALCOCK.

- Malthopsis** Alcock, 26; orthotype *M. LUTEUS* Alcock.
Halicmetus Alcock, 27; orthotype *H. RUBER* Alcock.
Lamprogrammus Alcock, 32; orthotype *L. NIGER* Alcock.
Bathyclupea Alcock, 130; orthotype *B. HOSKYNII* Alcock.
Dysommopsis Alcock, 137; orthotype *D. MUCIPARUS* Alcock.

1615. COMPTER (1891). *A Fossil Fish from the Muschelkalk of Jena.* Zeitsch. f. Naturw., LXIV.

G. COMPTER.

- Dolichopterus** Compter, 41; orthotype *D. VOLITANS* Compter (fossil).

1616. COPE (1891). *On Some New Fishes from South Dakota.* Amer. Naturalist, XXV.

EDWARD DRINKER COPE.

- Gephyrura** Cope, 654; orthotype *G. CONCENTRICA* Cope (fossil).
Proballostomus Cope, 655; orthotype *P. LONGULUS* Cope (fossil).
Oligoplarchus Cope, 656; orthotype *O. SQUAMIPINNIS* Cope (fossil).

1617. COPE (1891). *On the Characters of Some Paleozoic Fishes.* Proc. U. S. Nat. Mus., 1891, XIV, 447-463.

EDWARD DRINKER COPE.

- Styptobasis** Cope, 447; orthotype *S. KNIGHTIANA* Cope (fossil).

1618. EIGENMANN, R. S. (1891). *New California Fishes.* Amer. Naturalist, XXV.

ROSA SMITH EIGENMANN.

- Perkinsia** Rosa Smith Eigenmann, 153; orthotype *P. OTHONOPS* Eigenmann. Near *ETRUMEUS* Blkr.

1619. EIGENMANN & EIGENMANN (1891). *Additions to the Fauna of San Diego.* Proc. Calif. Acad. Sci. (2), III, 1-24.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

- Diaphus** Eigenmann & Eigenmann, 4; orthotype *SCOPELUS ENGRAULIS* Gthr.
Tarletonbeania Eigenmann & Eigenmann, 6; orthotype *T. TENUA* Eigenmann & Eigenmann.

1620. FELIX (1891). (*Otomitla*.) *Palaontographica*, XXXVII.

JOHANNES PAUL FELIX (1859-).

- Otomitla** Felix, 189; orthotype *O. SPECIOSA* Felix (fossil).

1621. GILBERT (1891). *Descriptions of Apodal Fishes from the Tropical Pacific.* Proc. U. S. Nat. Mus., 1891, XIV, 347-354.

CHARLES HENRY GILBERT.

- Xenomystax** Gilbert, 348; orthotype *X. ATRARIUS* Gilbert.
Ilyophis Gilbert, 351; orthotype *I. BRUNNEUS* Gilbert.

1622. GILBERT (1891). *Descriptions of Thirty-four New Species of Fishes Collected in 1888 and 1889, Principally among the Santa Barbara Islands and in the Gulf of California.* Proc. U. S. Nat. Mus., 1891, XIV, 539-566.

CHARLES HENRY GILBERT.

Chriolepis Gilbert, 557; orthotype *C. MINUTILLUS* Gilbert.

1623. GILL (1891). *On Eleginus of Fischer, Otherwise Called Tilesia or Pleurogadus*. Proc. U. S. Nat. Mus., XIV.

THEODORE GILL.

Eleginops Gill, 305; orthotype *ELEGINUS MACLOVINUS* Cuv. & Val. A substitute for *ELEGINUS* Cuv. & Val., preoccupied by *ELEGINUS* Fischer, 1813.

1624. GILL (1891). *On the Genera Labrichthys and Pseudolabrus*. Proc. U. S. Nat. Mus., XIV.

THEODORE GILL.

Pictilabrus Gill, 403; orthotype *LABRUS LATICLAVIUS* Rich.

1625. HOLMBERG (1891). *Sobre algunos peces nuevos o poco conocidos de la Republica Argentina*. Rev. Argent., I, 1891, 180-193.

EDUARDO LADISLAO HOLMBERG.

Chalcinopelecus Holmberg, 190; orthotype, *C. ARGENTINUS* Holmberg. A synonym of *PSEUDOCORYNOPOMA* Perugia, of the same year.

1626. HOLT (1891). *Survey of Fishing Grounds, West Coast of Ireland. Preliminary Note on the Fish Obtained During the Cruise of the "Fingal," 1890*. Sci. Dublin Soc. (2), VII, 121-123.

ERNEST W. L. HOLT.

Nettophichthys Holt, 122; orthotype *N. RETROPINNATUS* Holt.

1627. KRAMBERGER (1891). *Palaicichthyološki prilozi (Collecta palaicichthyologica)*. Dis. II, Rad. Jugoslav. Akad., 1891, 106, 58-129.

DRAGUTIN GORJANOVIC KRAMBERGER.

Apostasis Kramberger, 104; orthotype *ACANUS GAUDRYI* Kramberger (fossil).

1628. LÜTKEN (1891). *Om en med stegophiler og trichomyxeterer beslegtet syd-amerikansk mallefisk (Acanthopoma annectens Ltk., n. g. et sp.)*. Vid. Meddel. Kjøbenhavn, 1891, 53-60.

CHRISTIAN FREDERIK LÜTKEN.

Acanthopoma Lütken, 53; orthotype *A. ANNECTENS* Lütken.

1629. MEUNIER (1891). *Note rectificative sur un fossile corallier récemment décrit*. Comptes Rendus Acad. Sci. Paris, CXII, 1891, 1154-5.

STANISLAS MEUNIER.

Vaillantoonia Meunier, 1155; orthotype *CYCADOSPADIUM VIREI* Meunier (fossil). Egg-case of a CHIMÆROID from Coralline Jurassic deposits at Verdun. It was first described in the Comptes Rendus 1891, p. 356, as a species of fossil CYCAD, but it was shown later by Dr. Vaillant to be a CHIMÆROID egg-case.

1630. PERUGIA (1891). *Appunti sopra alcuni pesci sud-americani conservati nel Museo Civico di Storia Naturale di Genova*. Ann. Mus. Civ. Storia Nat. Genova, 1891, 2 ser., X, 605-657 (April).

ALBERTO PERUGIA.

Pseudocorynopoma Perugia, 646; orthotype *P. DORLE* Perugia (April). Replaces *BERGIA* Steind. of July, 1891.

1631. SAUVAGE (1891). (*Poissons fossiles*). *Études des gîtes minéraux de la France. Bassin houiller et permien d'Autun et d'Épinac*. Fasc. III. 31 p.

HENRI ÉMILE SAUVAGE.

Ædua Sauvage, 16; orthotype *Æ. GAUDRYI* Sauvage (fossil).

Archæoniscus Sauvage, 19; orthotype *A. ROCHEI* Sauvage (fossil).

1632. SAUVAGE (1891). *Note sur quelques poissons du Lias supérieur de l'Yonne, XLV.*

HENRI ÉMILE SAUVAGE.

Parathrissops Sauvage, 37; orthotype *P. MILLOTI* Sauvage (fossil). A synonym of *EUTHYNOTUS*.

1633. STEINDACHNER (1891). *Ichthyologische Beiträge, XV.* S. B. Ak. Wiss. Wien, C.

FRANZ STEINDACHNER.

Bergia Steindachner, 173 (July 1891); orthotype *B. ALTIPINNIS* Steind. = *PSEUDOCORYNOPOMA DORLÆ* Perugia. A synonym of *PSEUDOCORYNOPOMA* Perugia. April, 1891. *BERGIA* is preoccupied in Insects (Scott, 1881).

1634. TELLER (1891). *Ueber den Schadel eines fossilen Dipnoers, Ceratodus sturii, n. sp. aus den Schichten den oberen Trias der Nordalpen.* Abh. Geol. Reichsanstalt, Wien, 1891, XV, pt. 3, 1-39.

FRIEDRICH JOSEPH TELLER (1852-1913).

Epiceratodus Teller, 37; orthotype *CERATODUS FORSTERI* Krefft (Australian species). It is not certain whether this living species from Australia is identical or not with the fish intended by the loosely written account of *NEOCERATODUS BLANCHARDI* Castelnau, 1876. *EPICERATODUS* is probably a synonym of *NEOCERATODUS*.

1635. VAILLANT (1891). *Note sur un nouveau genre de Siluroïdes (Diastatomycter) de Borneo.* Bull. Soc. Philom. Paris, 1891, VIII, ser. 3, 181-182.

LÉON LOUIS VAILLANT.

Diastatomycter Vaillant, 182; orthotype *D. CHAPERI* Vaillant. A synonym of *HEMISILURUS* Blkr.

1636. WALCOTT (1891). *Supposed Trenton Fossil Fish.* Amer. Geol., VIII, 178-180. (Editorial comment on Walcott's discoveries at Canyon City, Colo.)

Palæchimæra Walcott, 178; orthotype *P. PRISMA* Walcott (fossil). Name only; called *DICTYORHABDUS* in 1892.

1637. WOODWARD (1891). *The Devonian Fish-Fauna of Spitzbergen.* Ann. Mag. Nat. Hist., 1891, VI, ser. 8, 1-15.

ARTHUR SMITH WOODWARD.

Porolepis Woodward, 8; orthotype *GYROPTYCHIUS POSNANIENSIS* Kade (fossil).

Asteroplax Woodward, 11; orthotype *A. SCABRA* Woodw. (fossil).

1638. WOODWARD (1891). *Catalogue of the Fossil Fishes in the British Museum Nat. Hist., II.*

ARTHUR SMITH WOODWARD.

Palæomylus Woodw., 39; logotype *RHYNCHODUS FRANGENS* Newberry (fossil).

Elasmodectes (Newton) Woodward, 88; orthotype *ELASMOGNATHUS WILLETTHI* Newton. A substitute for *ELASMOGNATHUS* Newton, preoccupied.

Apateacanthus Woodward, 118; orthotype *PRISTACANTHUS VETUSTUS* Clarke.

Glyptognathus Woodward, 390; orthotype *GLYPTOPOMUS MINOR* Ag.

Uropteryx (Agassiz) Woodward, 541; orthotype *PLATYSOMUS STRIATUS* Ag. = *STROMATEUS GIBBOSUS* Blainv. (fossil). Name only, noted in synonymy from Agassiz ms. A synonym of *STORTES* Gistel, which replaces *PLATYSOMUS* Ag., preoccupied.

1892.

1639. ALCOCK (1892). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator," Lieut. G. S. Gunn, R. N., Commanding. Series II, no. 5. On the Bathybial Fishes Collected During the Season of 1891-2.* Ann. Mag. Nat. Hist., 1892 (6), IX, 345-365.

ALFRED WILLIAM ALCOCK.

Hephthocara Alcock, 349; orthotype *H. SIMUM* Alcock.

1640. BELLOTTI (1892). *Un nuovo Siluroide giapponese.* Atti. Soc. Ital., XXXIV, 99-101.

CRISTOFORO BELLOTTI.

Neobagrus Bellotti, 100; orthotype *N. FUSCUS* Bellotti = *LIOBAGRUS REINI* Hilgendorf. A synonym of *LIOBAGRUS* Hilgendorf.

1641. BOULENGER (1892). *On Some New or Little Known Fishes Obtained by Dr. J. W. Evans and Mr. Spencer Moore, during Their Recent Expedition to the Province of Matto Grosso, Brazil.* Ann. Mag. Nat. Hist., (6), X, 1892, 9-12.

GEORGE ALBERT BOULENGER.

Brachyhalcinus Boulenger, 11; orthotype *B. RETROSFINA* Boulenger.

1642. BOULENGER (1892). *Description of a New Blennioid Fish from Kamtschatka.* Proc. Zool. Soc. London, 1892, 583-585.

GEORGE ALBERT BOULENGER.

Blenniophidium Boulenger, 583; orthotype *B. PETROPAULI* Boulenger = *OPHIDIUM OCELLATUM* Tilesius. A synonym of *OPISTHOCENTRUS* Kner (1868).

1643. CLAYPOLE (1892). *A New Gigantic Placoderm from Ohio.* Am. Geol., X, 1892, 1-4.

EDWARD WALLER CLAYPOLE.

Gorgonichthys Claypole, 2; orthotype *G. CLARKI* Claypole. A synonym of *DINICHTHYS* Newberry.

1644. EIGENMANN (1892). *The Percopsidæ of the Pacific Slope.* Science, XX, 1892, 233-234.

CARL H. EIGENMANN.

Columbia Eigenmann, 234; orthotype *C. TRANSMONTANA* Eigenmann.

1645. GARMAN (1892). *The Discoboli. Cyclopteridæ, Liparopsidæ, and Liparididæ.* Mem. Mus., C. Z., XIV, no. 2, 1892, 1-96.

SAMUEL GARMAN.

Cyclopteroides Garman, 37; orthotype *C. GYRINOPS* Garman.

Liparops Garman, 42; orthotype *CYCLOPTERUS STELLERI* Pallas.

1646-1647. HERZENSTEIN (1892). *Ichthyologische Bemerkungen aus dem Zoologischen Museum der Kaiserlichen Akademie der Wissenschaften.* Mel. Biol., XIII, 1892, 219-235.

SALOMON MARKOVICH HERZENSTEIN.

- Argyrocottus** Herzenstein, 219; orthotype *A. ZANDERI* Herzenstein.
Gymnodiptychus Herzenstein, 225; orthotype *DIPTYCHUS DYBOWSKII* Kessler.
Acanthogobio Herzenstein, 228; orthotype *A. GUENTHERI* Herzenstein. A synonym of *HEMIBARBUS* Blkr.
Pungtungia Herzenstein, 231; orthotype *P. HERZI* Herzenstein.
1648. JORDAN & DAVIS (1892). *A Preliminary Review of the Apodal Fishes or Eels Inhabiting the Waters of America and Europe*. Rept. U. S. Fish Comm., 1888, 581-677 (1892).
 DAVID STARR JORDAN; BRADLEY MOORE DAVIS (1871-).
Rabula Jordan & Davis, 590; orthotype *MURENA AQUE-DULCIS* Cope.
Bascanichthys Jordan & Davis, 621; orthotype *COCCULA BASCANIUM* Jordan.
Quassiremus Jordan & Davis, 622; orthotype *OPHICHTHYS EVIONTHAS* Jordan & Bollman.
Scytalichthys Jordan & Davis, 635; orthotype *OPHICHTHYS MIURUS* J. & G.
Ahlia Jordan & Davis, 639; orthotype *MYROPHIS EGMONTIS* Jordan.
Venefica Jordan & Davis, 651; orthotype *NETTASTOMA PROCERUM* G. & B.
Gordiichthys Jordan & Davis, 644; orthotype *G. IRRETITUS* Jordan & Davis.
Avocettina Jordan & Davis, 655; orthotype *NEMICHTHYS INFANS* Gthr.
1649. LÜTKEN (1892). *Spolia Atlantica. Scopelini Musei Zoologici Universitatis Hauniensis. Bidrag til Kundskab om det aabne Havs Lavesild eller Scopeliner*. Vid. Selsk. Skr. (6), VII, 1892, 223-297.
 CHRISTIAN FREDERIK LÜTKEN.
Rhinoscopelus Lütken, 242; orthotype *SCOPELUS COCCOI* Cocco.
Pseudoscopelus Lütken, 285; orthotype *P. SCRIPTUS* Lütken.
1650. MILLER (1892). *North American Geology and Palaeontology*. (First Appendix, 665-768.)
 SAMUEL A. MILLER (1836-1897).
Eczematolepis Miller, 715; orthotype *ACANTHOLEPIS PUSTULOSUS* Newberry (fossil). Substitute for *ACANTHOLEPIS* Newberry, preoccupied.
Gamphacanthus Miller, 715; orthotype *HETERACANTHUS POLITUS* Newberry (fossil). Substitute for *HETERACANTHUS* Newberry, preoccupied.
Haplolepis Miller, 715; orthotype *MECOLEPIS CORRUGATA* Newberry (fossil). Substitute for *MECOLEPIS* and *EURYLEPIS* Newberry, both preoccupied.
Millerichthys Miller, 716; orthotype *PTERICHTHYS MILLERI* Ag. (fossil). A synonym of *PTERICHTHYODES* Blkr., being also a substitute for *PTERICHTHYS* Ag., 1843, preoccupied.
Lispognathus Miller, 716; orthotype *LIIGNATHUS SPATULATUS* Newberry (fossil). Substitute for *LIIGNATHUS* Newberry, preoccupied by *LEIGNATHUS* Lac. 1803.
Icanodus Miller, 716; orthotype *TOMODUS CONVEXUS* St. John & Worthen. Substitute for *TOMODUS* Davis, preoccupied.
Estophorus Miller, 716; orthotype *SPHENOPHORUS LILLEYI* Newberry (fossil). Substitute for *SPHENOPHORUS* Newberry, preoccupied.
Tegeolepis Miller, 717; orthotype *ACTINOPHORUS CLARKII* Newberry (fossil). Substitute for *ACTINOPHORUS* Newberry, 1888, preoccupied.
Ponerichthys Miller, 717; orthotype *DINICHTHYS TERRELLI* Newberry (fossil). A synonym of *DINICHTHYS* Newberry.
Xenodus Miller, 718; orthotype *GONIODUS HERTZERI* Newberry.

1651. OGILBY (1892). *On Some Undescribed Reptiles and Fishes from Australia*. Rec. Austral. Mus. II, 1892, 23-26.

JAMES DOUGLAS OGILBY.

Hyperlophus Ogilby, 24; orthotype *CLUPEA SPRATELLIGIDES* Ogilby.

1652. PERUGIA (1892). *Descrizione di due nuove specie di pesci raccolti in Sarawak dai Sign. G. Doria ed O. Beccari*. Ann. Mus. Genov. (2), X, 1892, 1009-1010.

ALBERTO PERUGIA.

Eucirrichthys Perugia, 1009; orthotype *E. DORLÆ* Perugia.

1653. PERUGIA (1892). *Intorno ad alcuni pesci raccolti al Congo dal Capitano Giacomo Bove*. Ann. Mus. Genova (2), X, 1892, 967-977.

ALBERTO PERUGIA.

Peltura Perugia, 972; orthotype *P. BOVEI* Perugia. Name regarded as preoccupied by *PELTOURA* Milne-Edwards, 1840, replaced by *PHRACTURA* Boulenger.

1654. POHLIG (1892). *Altpermische Saurierhäkiten, Fische und Medusen der Gegend von Friedrichroda*. 1 Thür. Leuckart Festschrift, 1892, 59-64.

HANS POHLIG.

Lepidopterus Pöhlig, 63; orthotype *L. CRASSUS* Pöhlig (fossil).

1655. REIS (1892). *Zur Osteologie und Systematik der Belonorhynchiden und Tetragonolepiden*. Geogn. JB, IV, 1892, 143-166.

OTTO M. REIS

Saurorhynchus Reis, 145; orthotype *BELONOSTOMUS ACTUS* Ag. (fossil).

1656. TRAQUAIR (1892). *Notes on the Devonian Fishes of Campbellton and Scaumenac Bay in Canada*. No. 2. Geol. Mag. (3) X.

RAMSAY HEATLEY TRAQUAIR.

Doliodus Traquair, 145; orthotype *DIPLODUS PROBLEMATICUS* Woodw. (fossil). Not *DOLIODON* Grd.

1657. VAILLANT (1892). *Sur le genre Megapleuron*. Comptes Rendus Acad. Sci. Paris, CXIV.

LÉON VAILLANT.

Megapleuron Vaillant, 1083; orthotype *CERATODUS ROCHEI* Gaudry (fossil).

1658. WALCOTT (1892). *Preliminary Notes on the Discovery of a Vertebrate Fauna in Silurian (Ordovician) Strata*. Bull. Geol. Soc. Amer. III, 153-172.

CHARLES DOOLITTLE WALCOTT (1850-).

Dictyorhabdus Walcott, 165; orthotype *D. PRISCUS* Walcott; called, without description, *PALECHIMÆRA* in 1891.

Astraspis Walcott, 166; orthotype *A. DESIDERATA* Walcott (fossil). An OSTRACOPHORE, supposed to be allied to *THYESTES* or, according to Eastman, to *PSAMMOSTEUS*; the earliest recorded vertebrate fossil, from Trenton rocks, Canyon City, Colo.

Eriptychius Walcott, 167; orthotype *E. AMERICANUS* Walcott.

1659. WOODWARD (1892). *Further Contributions to Knowledge of the Devonian Fish-Fauna of Canada*. Geol. Mag. (3) IX, 1892, 481-485.

ARTHUR WILLIAM WOODWARD.

Protodus Woodward, 1; orthotype *P. JENI* (Traquair) Woodw. (fossil).

1660. WOODWARD (1892). *On Some Teeth of New Chimæroid Fishes from the Oxford and Kimmeridge Clays of England*. Ann. Mag. Nat. Hist. (6) X, 1892, 13-16.

ARTHUR SMITH WOODWARD.

Pachymylus Woodward, 14; orthotype P. LEEDSI Woodw. (fossil).

Brachymylus Woodward, 14; orthotype B. ALTIDENS Woodw. (fossil).

1893.

1661. ALCOCK (1893). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator," Commander C. F. Oldham, R. N., Commanding. Series II, No. 9, An Account of the Deep Sea Collection Made During the Season of 1892-93*. Journ. Asiat. Soc. Bengal, LXII, 1893, 177-184.

ALFRED WILLIAM ALCOCK.

Bathypercis Alcock, 178; orthotype B. PLATYRHYNCHUS Alcock.

1662. BEAN (1893). *Description of a New Blennioid Fish from California*. Proc. U. S. Nat. Mus. XVI.

TARLETON HOFFMAN BEAN.

Plagiogrammus Bean, 699; orthotype P. HOPKINSI Bean.

1663. CLAYPOLE (1893). *The Cladodont Sharks of the Cleveland Shale*. Amer. Geol. XI, 325-331.

EDMUND WALLER CLAYPOLE.

Monocladodus Claypole, 329; orthotype M. CLARKI Claypole (fossil).

1664. COPE (1893). *On Symmorium, and the Position of the Cladodont Sharks*. Amer. Naturalist, X, VII, 1893, 999-1001.

EDWARD DRINKER COPE.

Symmorium Cope, 999; orthotype S. RENIFORME Cope (fossil).

1665. COPE (1893). *A New Extinct Species of Cyprinida*. P. Ac. Phila., 1893, 19-20.

EDWARD DRINKER COPE.

Aphelichthys Cope, 19; orthotype A. LINDAHLI Cope (fossil).

1666. EIGENMANN & BEESON (1893). *Preliminary Note on the Relationship of the Species Usually United Under the Generic Name Sebastodes*. Amer. Natural. XXVII, 1893, 668-671.

CARL H. EIGENMANN; CHARLES H. BEESON.

Primospina Eigenmann & Beeson, 669; orthotype SEBASTODES MYSTINUS J. & G.

Acutomentum Eigenmann & Beeson, 669; orthotype SEBASTODES OVALIS Ayres.

Pteropodus Eigenmann & Beeson, 670; orthotype SEBASTODES MALIGER J. & G.

Auctospina Eigenmann & Beeson, 670; orthotype SEBASTES AURICULATUS Grd.

1667. FRITSCH (1893). *Fauna der Gaskohle und der Kalkstein der Permformation Böhmens*. III. Heft. 2. 1893, 49-80.

ANTON JAN FRITSCH.

Traquairia Fritsch, 50; orthotype ACANTHODES PYGMEUS Fritsch (fossil).

Protacanthus Fritsch, 55; orthotype P. PINNATUS Fritsch (fossil)

Trissolepis Fritsch, 76; orthotype SPHÆROLEPIS KOUNOVIENSIS Fritsch (fossil).

1668. FRITSCH (1893). (*Electrolepis*, etc.) Archiv. Naturw. Landeselwrcrlf. Böhmen, IX.

ANTON JAN FRITSCH.

Dipnolepis Fritsch, 66; orthotype *D. JAHNI* Fritsch (fossil). Dermal scutes similar to those of *ENCHODUS*.

Electrolepis Fritsch, 72; orthotype *E. HORRIDA* Fritsch (fossil). Berycoid scales.

Spinacites Fritsch, 72; orthotype *S. RADIATUS* Fritsch (fossil). Berycoid fin spine.

1669. GILBERT (1893). *Report on the Fishes of the Death Valley Expedition, Collected in Southern California and Nevada in 1891, with Descriptions of New Species.* North Amer. Fauna, VII, 1893, 229-234.

CHARLES HENRY GILBERT.

Empetrichthys Gilbert, 233; orthotype *E. MERRIAMI* Gilbert.

1670. GILL (1893). *A Comparison of Antipodal Faunas.* Mem. Ac. Washington, VI, 1893, 91-124.

THEODORE GILL.

Promethichthys Gill, 123; orthotype *GEMPYLUS PROMETHEUS* Cuv. & Val. Substitute for *PROMETHEUS* Lowe, preoccupied.

Pagrosomus Gill, 97, 123; orthotype *CHRYSOPHRYS UNICOLOR* Q. & G. = *SPARUS AURATUS* Forster. Called *SPAROSOMUS*, on pages 116 and 123, by a slip in proof-reading.

Sparosomus Gill, 123; orthotype *CHRYSOPHRYS UNICOLOR* Q. & G. = *SPARUS AURATUS* Forster. Lapsus for *PAGROSOMUS* Gill, not *SPARISOMA* Sw.

Capromimus Gill, 123; orthotype *PLATYSTETHUS ABBREVIATUS* Hector.

Rhombocyttus Gill, 123; orthotype *CYTTUS TRAVERSI* Hutton.

Bathystethus Gill, 123; orthotype *SCLENA CULTRATA* Forster. Substitute for *PLATYSTETHUS* Gthr., preoccupied.

Evistius Gill, 123; orthotype *PLATYSTETHUS HUTTONI* Gthr.

Ericentrus Gill, 123; orthotype *CLINUS RUBRUS* Hutton.

Notoclinus Gill, 124; orthotype *BLENNIUS FENESTRATUS* Forster.

Cologrammus Gill, 124; orthotype *CLINUS FLAVESCENS* Hutton.

Caulopsetta Gill, 124; orthotype *PLEURONECTES SCAPHUS* Forster.

1671. GILL (1893). (*Erilepis*.) Science XXII.

THEODORE GILL.

Erilepis Gill, 52; orthotype *MYRIOLEPIS ZONIFER* Lockington. A substitute for *MYRIOLEPIS* Lockington, preoccupied in fossil fishes (*MYRIOLEPIS* Egerton).

1672. GÜNTHER (1893). *Second Report on the Reptiles, Batrachians, and Fishes Transmitted by Mr. H. H. Johnston from British Central Africa.* Proc. Zool. Soc. London, 1893, 616-628.

ALBERT GÜNTHER.

Engraulicypris Günther, 626; orthotype *E. PINGUIS* Gthr.

1673. HÆCKEL (1893). *Zur Phylogenie der Australischen Fauna, in Richard Semon's Forschungsreisen in Australien und dem Malayischen Archipel.* Jena. ERNST (HEINRICH PHILIPP AUGUST) HÆCKEL (1834-1918).

Paramphioxus Hæckel; orthotype *EPIGONICHTHYS CULTELLUS* Peters. A synonym of *EPIGONICHTHYS* Peters.

1674. HOLMBERG (1893). *Dos peces Argentinos.* Revista del Jardín Zoologique de Buenos Aires, I.

EDUARDO LADISLAW HOLMBERG.

- Aristommata** Holmberg, 96, 354; orthotype *A. INEXPECTATE* Holmberg. Said to be a synonym of *HYPOPTOPOMA* Gthr.
1675. JORDAN & FESLER (1893). *A Review of the Sparoid Fishes of America and Europe*. Rep. U. S. Fish Comm. for 1889-91, 421-554 (1893).
DAVID STARR JORDAN; BERT FESLER (1868-).
- Raizero** Jordan & Fesler, 438; orthotype *MESOPRION ARATUS* Gthr.
- Rabirubia** Jordan & Fesler, 438; orthotype *MESOPRION INERMIS* Peters.
- Isaciella** Jordan & Fesler, 500; orthotype *PRISTIPOMA BREVIPINNE* Steind.
- Isacia** Jordan & Fesler, 501; orthotype *PRISTIPOMA CONCEPTIONE* Cuv. & Val.
- Medialuna** Jordan & Fesler, 536; orthotype *SCORPIS CALIFORNIENSIS* Steind.
- Sectator** Jordan & Fesler, 536; orthotype *PIMELEPTERUS OCYURUS* Jordan.
1676. MICHAEL (1893). *Ueber eine Neue Lepidosteiden-Gattung aus dem oberen Keuper Oberschlesiens*. Zeits. Deutsch. Ges., XLIV, 710-729.
RICHARD MICHAEL (1869-).
- Prolepidotus** Michael, 71; orthotype *P. GALLINEKI* Michael (fossil). A synonym of *LEPIDOTES* Ag.
1677. PERUGIA (1893). *Di alcuni pesci raccolti in Sumatra dal Dott. Elio Modigliani*. Ann. Mus. Stor. Nat. Geneva, XIII.
ALBERT PERUGIA.
- Modigliania** Perugia, 246; orthotype *M. PAPILOSA* Perugia.
1678. PFEFFER (1893). *Ostafrikanische Fische gesammelt von Herrn Dr. F. Stuhlmann in Jahre 1888 und 1889*. Jahrb. Hamburg Anst., X, 1893, 131-177.
GEORG JOHANN PFEFFER (1854-).
- Salarigobius** Pfeffer, 141; orthotype *S. STUHLMANNI* Pfeffer.
1679. ROHON (1893). *Die Obersilurischen Fische von Oesel. II. Theil. Selachii, Dipnoi, Ganoidei, Pteraspida, and Cephalaspida*. Mem. Ac. St. Petersburg, XLI, 1893, No. 5, 1-124.
JOSEF VICTOR ROHON.
- Ancistrodus** Rohon, 51; orthotype *A. GRACILIS* Rohon (fossil). Name regarded as preoccupied by *ANCISTRODON*, *AGRISTRODON*, etc.; replaced by *GRYPONDON* Hay (1899).
- Rhabdiodus** Rohon, 53; orthotype *R. PARVIDENS* Rohon (fossil).
- Tyloodus** Rohon, 57; orthotype *T. DELTOIDES* Rohon (fossil).
- Chelomodus** Rohon, 60; orthotype *C. DIGITIFERUS* Rohon.
- Palæosteus** Rohon, 63; orthotype *P. SCHMIDTI* Rohon (fossil).
- Gyropeltus** Rohon, 67; orthotype *G. LAHUSENI* Rohon (fossil).
1680. SAUVAGE (1893). *Recherches sur les poissons du terrain permien d'Autun. Études des gîtes minéraux de la France, 1893*.
HENRI ÉMILE SAUVAGE.
- Prosauropsis** Sauvage, 4; orthotype *PACHYCORMUS ELONGATUS* Sauvage (fossil).
1681. SCHMIDT (1893). *Ueber neue silurische Fischfunde auf Oesel*. Jahrb. Mineral., 1893, I, 99-101.
FRIEDRICH SCHMIDT (1832-1908).
- Tolypaspis** Schmidt, 100; orthotype *TOLYPELEPIS UNDULATUS* Pander; substitute for *TOLYPELEPIS* Pander, preoccupied.

1682. SMITT (1893). *A History of Scandinavian Fishes* (by B. Fries, C. U. Ekström, and C. Sundevall). Edited by
FREDRIK ADAM SMITT (1839-1904).
Molva Smitt, 526; orthotype *GADUS MOLVA* L. A variant of *MOLVA* Fleming, reverting to the original spelling of Rondelet.
1683. TRAQUAIR (1893). *Notes on the Devonian Fishes of Campbelltozen and Scaumenac Bay in Canada*, No. 3. *Geol. Mag.* (3). X, 1893, 262-267.
RAMSAY HEATLEY TRAQUAIR.
Scaumenacia Traquair, 262; orthotype *PHANEROPLEURON CURTUM* Whiteaves (fossil).
1684. VAILLANT (1893). *Sur une collection de poissons recueillie par M. Chaper à Bornco*. *Bull. Soc. Zool. France*, XVIII, 1893, 55-62.
LÉON VAILLANT.
Oxybarbus Vaillant, 57; orthotype *BARBUS HETERONEMA* Blkr.
1685. VAILLANT (1893). *Sur un poisson provenant du voyage de M. Bonnatotet du Prince Henri d'Orleans*. *Bull. Soc. Philom. Paris* (8), 1893. V, 197-204.
LÉON VAILLANT.
Anopleutropius Vaillant, 198; orthotype *A. HENRICI* Vaillant.
1686. VAILLANT (1893). *Sur un nouveau genre de poissons voisin de Fierasfer*. *Comptes Rendus Acad. Paris*, CXVII.
LÉON VAILLANT.
Rhizoiketicus Vaillant, 745; orthotype *R. CAROLINENSIS* Vaillant, from the Caroline Islands.
1687. WOODWARD (1893). *Palaeichthyological Notes*. *Ann. Mag. Nat. Hist.* (6), XI, 1893, 281-287.
ARTHUR SMITH WOODWARD.
Ganolepis Woodward, 286; orthotype *G. GRACILIS* Woodw. (fossil).
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- 1894.
1688. ALCOCK (1894). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator." Series II, no. II. An Account of a Recent Collection of Bathybial Fishes from the Bay of Bengal and from the Laccadive Sea*. *Journ. Asiat. Soc. Bengal*, LXIII, 1894, 115-137.
ALFRED WILLIAM ALCOCK.
Chascanopsetta Alcock, 128; orthotype *C. LUGUBRIS* Alcock.
1689. BEAN, B. A. (1894). *Description of Two New Flounders, *Gastropsetta frontalis*, and *Cyclopsetta chittendeni**. (*"Albatross" Collections.*) *Proc. U. S. Nat. Mus.*, XVII.
BARTON APPLER BEAN (1860-).
Gastropsetta Bean, 633; orthotype *G. FRONTALIS* Bean.
Cyclopsetta Bean, 634; orthotype *C. CHITTENDENI* Bean.
1690. BOULENGER (1894). *Descriptions of New Fresh Water Fishes from Bornco*. *Ann. Mag. Nat. Hist.* (6), XIII, 1894, 245-251.
GEORGE ALBERT BOULENGER.

Nematabramis Boulenger, 249; orthotype *N. EVERETTI* Boulenger.

1691. COPE (1894). *On the Fishes Obtained by the Naturalist Expedition in Rio Grande do Sul*. Proc. Amer. Phil. Soc., XXXIII, 1894, 84-108.

EDWARD DRINKER COPE.

Osteogaster Cope, 102; orthotype *CORYDORAS EQUUS* Steind.

1692. COPE (1894). *On Three New Genera of Characinidæ*. Amer. Naturalist, XLVIII, 1894, 67.

EDWARD DRINKER COPE.

Diapoma Cope, 67; orthotype *D. SPECULIFERUM* Cope.

Chorimycerus Cope, 67; orthotype *C. TENUIS* Cope.

Asiphonichthys Cope, 67; orthotype *A. STENOPTERUS* Cope.

1693. COPE (1894). *New and Little Known Palæozoic and Mesozoic Fishes*. Journ. Ac. Nat. Sci. Phila., IX.

EDWARD DRINKER COPE.

Macrepistius Cope, 441; orthotype *M. ARENATUS* Cope (fossil).

1694. CLAYPOLE (1894). *On a New Placoderm, Brontichthys clarki, from the Cleveland Shale*. Amer. Geol., XIV, 1894, 379-80.

EDWARD WALLER CLAYPOLE (1835-1901).

Brontichthys Claypole, 379; orthotype *B. CLARKI* Claypole (fossil).

1695. EIGENMANN (1894). *Notes on Some South American Fishes*. Ann. N. York Ac., VII, 1894, 625-627.

CARL H. EIGENMANN.

Cryptops Eigenmann, 626; orthotype *STERNOPYGUS HUMBOLDTI* Steind. Name pre-occupied; replaced by *EIGENMANNIA* J. & E., 1896.

1696. EIGENMANN & BRAY (1894). *A Revision of the American Cichlids*. Ann. N. York Acad., VII, 1894, 607-624.

CARL H. EIGENMANN; WILLIAM L. BRAY.

Retroculus Eigenmann & Bray, 614; orthotype *R. BOULENGERI* Eigenmann & Bray.

Æquidens Eigenmann & Bray, 616; orthotype *HEROS TETRAMERUS* Heckel.

1697. FRITSCH (1894). *Fauna der Gäskohle und der Kalksteine der Permformation Böhmens, III, e, Palæoniscidæ, I*. Prag., 1894, 81-104.

ANTON JAN FRITSCH.

Pyritocephalus Fritsch, 86; orthotype *PALEONISCUS SCULPTUS* Fritsch (fossil).

Sceleptophorus Fritsch, 88; orthotype *S. BISERIALIS* Fritsch (fossil).

1697A. GILL (1894). *An Australasian Subfamily of Fresh-Water Atherinoid Fishes*. Am. Nat. XXVIII, 708-709.

THEODORE GILL.

Rhombatractus Gill, 709; orthotype *ARISTEUS FRITZROYENSIS* Castelnau. Substitute for *ARISTEUS* Castelnau, preoccupied; a synonym of *MELANOTÆNIA* Gill.

1698. GOODE & BEAN (1894). *On Harriotta, a New Type of Chimæroid Fish from the Deeper Waters of the Northwestern Atlantic*. Proc. U. S. Nat. Mus., 1894, XVII, 471-473.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Harriotta Goode & Bean, 471; orthotype *H. RALEIGHANA* G. & B.

1699. GOODE & BEAN (1894). *A Revision of the Order Heteromi, Deep-Sea Fishes, with a Description of the New Generic Types Macdonaldia and Lipogenys*. Proc. U. S. Nat. Mus., XVII, 1894, 455-470.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Cetomimus Goode & Bean, 453; orthotype C. GILLII G. & B.

Rondeletia Goode & Bean, 454; orthotype R. BICOLOR G. & B.

Gigliolia Goode & Bean, 465; orthotype G. MOSELEYI G. & B.

Macdonaldia Goode & Bean, 467; orthotype NOTACANTHUS ROSTRATUS Collett.

Lipogenys Goode & Bean, 469; orthotype L. GILLII G. & B.

1700. HILGENDORF (1894). *Neue Characinidengattung, Petersius, aus dem Kingani-Flusse in Deutsch-Ostafrika*. Sitzber. Ges. Naturf. Berlin, 1894, 172-173.

FRANZ MARTIN HILGENDORF.

Petersius Hilgendorf, 172; orthotype P. CONSERIALIS Hilgendorf.

1701. JAEKEL (1894). *Die cocänen Schelchier vom Monte Bolca. Ein Beitrag zur Morphogenie der Wirbeltiere*. Berlin, 1894.

OTTO (MAX JOHANNES) JAEKEL.

Hemiptychodus Jaekel, 137; orthotype PTYCHODUS MORTONI Mantell.

Promyliobatis Jaekel, 152; orthotype MYLIOBATIS GAZOLÆ Zigno (fossil).

Pseudogaleus Jaekel, 170; orthotype P. VOLTAI Jaekel (fossil).

1702. LANDOIS (1894). *Die Familie Megistopodus, Riesenbauchflosser*. N. Jahrb. Min., 1894, II, 228-235.

HERMANN LANDOIS (1835-).

Megistopus Landois, 228; orthotype MEGAPUS GUFSTALICUS Schlüter (fossil). Substitute for MEGAPUS Schlüter, 1868, preoccupied; a synonym of CHIROTIRIX Pictet & Humbert.

- 1702A. OGILBY (1894). *Description of Five New Species from the Australasian Region*. Proc. Linn. Soc. N. S. W., IX, June 27, 1894.

JAMES DOUGLAS OGILBY.

Scleropteryx (De Vis) Ogilby, 372; orthotype S. BICOLOR De Vis (MS.). OPHIOCLINUS DEVISI Ogilby. Name only, noted in synonymy by Ogilby; perhaps a synonym of OPHIOCLINUS.

1703. PERUGIA (1894). *Viaggio di Lamberto Loria nella Papuasias orientale. Pesci d'acqua dolce*. Ann. Mus. Genova (2), XIV, 1894, 546-553.

ALBERTO PERUGIA.

Lambertia Perugia, 550; orthotype L. ATRA Perugia.

1704. SAUVAGE (1894). (*Poissons fossiles*.) Bull. Sci. Yonne, XLVIII.

HENRI ÉMILE SAUVAGE.

Protosauropsis Sauvage, 4; orthotype PACHYCORMIUS ELONGATUS Sauvage (fossil). Written PROSAUROPSIS by Woodward.

1705. STEINDACHNER (1894). *Die Fische Liberias*. Notes Leyden Mus., XVI, 1894, 1-96.

FRANZ STEINDACHNER.

Pelmatochromis Steindachner, 40; orthotype PARATILAPIA BUTTIKOFERI Steind.

Neolebias Steindachner, 78; orthotype N. UNIFASCIATUS Steind.

1706. STORMS (1894). *Troisième note sur les poissons du terrain Rupélicien*. Mém. Soc. Belge. Geol., VIII, 1894, 67-82.

RAYMOND STORMS.

Amylodon Storms, 71; orthotype *A. DELHEIDI* Storms (fossil).

1707. TRAQUAIR (1894). *Notes on Palaeozoic Fishes*. Ann. Mag. Nat. Hist. (6), XIV, 1894, 368-374.

RAMSAY HEATLEY TRAQUAIR.

Euphyacanthus Traquair, 371; orthotype *E. SEMISTRIATUS* Traquair (fossil).

1708. VAILLANT (1894). *Sur une collection de poissons recueilli en Basse-Californie et dans le Golf par M. Léon Diguët*. Bull. Soc. Philom. (8), VI, 1894, 69-75.

LÉON VAILLANT.

Neomugil Vaillant, 73; orthotype *N. DIGUETI* Vaillant.

Atopoclinus Vaillant, 73; orthotype *A. RINGENS* Vaillant.

1895.

1709. BERG (1895). *Enumeracion sistematica y sinonimica de los Peces de las Costas Argentina y Uruguay*. An. Mus. Buenos Aires, IV, 1-120.

CARLOS BERG.

Parona Berg, 39; orthotype *PAROPSIS SIGNATA* Jenyns. Substitute for *PAROPSIS* Jenyns, 1842, preoccupied.

Sagenichthys Berg, 52; orthotype *LONCHURUS ANCYLONDON* Bl. & Schn. Substitute for *ANCYLONDON* Cuv., preoccupied, but *MACRODON* Schinz, 1817, is a still earlier substitute name.

Polyclemus Berg, 54; orthotype *POLYCIRRHIUS DUMERILI* Bocourt. Substitute for *POLYCIRRHIUS* Bocourt, preoccupied.

Phricus Berg, 65; orthotype *APHRITIS URVILLI* Cuv. Substitute for *APHRITIS* Cuv., preoccupied in DIPTERA (Latreille, 1804).

Thalassothia Berg, 67; orthotype *THALASSOPHYNE MONTEVIDENSIS* Berg.

1710. BOULENGER (1895). *Viaggio del dottor Alfredo Borelli nella Repubblica Argentina e nel Paraguay*. XII. Poissons. Boll. Mus. Torino, X, 1895, no. 196.

GEORGE ALBERT BOULENGER.

Nanognathus Boulenger, 3; orthotype *N. BORELLII* Boulenger.

1711. BOULENGER (1895). *Catalogue of the Fishes in the British Museum. Second Edition, Catalogue of the Perciform Fishes*. Vol. 1, 1895.

GEORGE ALBERT BOULENGER.

Pseudalphestes Boulenger, 139; orthotype *PLECTROPOMA PICTUM* Tschudi.

Pomodon Boulenger, 144; orthotype *PLECTROPOMA MACROPHthalmum* Tschudi. An unwarranted substitute for the tasteless and inappropriate name *HEULUTJANUS* Bkr.

Dinoperca Boulenger, 153; orthotype *HAPALOGENYS PETERSII* Day.

Chelidoperca Boulenger, 304; orthotype *CENTROPRISTIS HIRUNDINACEUS* Cuv. & Val.

1712. GARMAN (1895). *The Cyprinodonts*. Mem. Mus. Harvard, XIX, no. 1, 1-179.

SAMUEL GARMAN.

Glaridodon Garman, 40; orthotype *G. LATIDENS* Garman. Name preoccupied; later replaced by *GLARIDICHTHYS* Garman.

Cnestrodon Garman, 43; orthotype *PÆCILIA DECEMMACULATUS* Jenyns.

Pterolebias Garman, 141; orthotype *P. LONGIPINNIS* Garman.

1713. GILBERT (1895). *The Ichthyological Collections of the Steamer "Albatross" During the Years 1890 and 1891*. Rept. U. S. Fish Comm. for 1893, IX (1895).

CHARLES HENRY GILBERT.

Gyrinichthys Gilbert, 444; orthotype *G. MINYTREMUS* Gilbert.

Rhinoliparis Gilbert, 445; orthotype *R. BARULIFER* Gilbert.

Lyonectes Gilbert, 446; orthotype *L. ALEUTICUS* Gilbert.

Bathypasma Gilbert, 448; orthotype *B. OVIGERUM* Gilbert.

Derepodichthys Gilbert, 456; orthotype *D. ALEPIDOTUS* Gilbert.

Lyonema Gilbert, 471; orthotype *L. BARBATUM* Gilbert.

1714. GILL (1895). *The Differential Characters of Characinoid and Erythrinoid Fishes*. Proc. U. S. Nat. Mus., 1895, XVIII, 205-209.

THEODORE GILL.

Hoplerythrinus Gill, 208; orthotype *ERYTHRINUS UNITENIATUS* Spix.

1715. GILL (1895). *Note on the Fishes of the Genus Characinus*. Proc. U. S. Nat. Mus., XVIII.

THEODORE GILL.

Myloplus Gill, 214; orthotype (by implication) *MYLETES ASTERIAS* M. & T. Substitute for *MYLETES* M. & T., not of Cuvier, whose original haplotype was *SALMO NILOTICUS* L., not *MYLETES RHOMBOIDALIS* CUV., as erroneously stated in Part I, p. 93, of *Genera of Fishes*.

1716. GILL (1895). *The Genera of Branchiostomidæ*. Amer. Naturalist, XXIX, 457-459.

THEODORE GILL.

Amphioxides Gill, 457; orthotype *BRANCHIOSTOMA PELAGICUM* Gthr.

1717. GILL (1895). *The Genus Leptophidium*. Amer. Nat., XXIX, 1895, 167-168.

THEODORE GILL.

Lepophidium Gill, 167; orthotype *LEPTOPHIDIUM PROFUNDORUM* Gill. Substitute for *LEPTOPHIDIUM* Gill, preoccupied in Snakes.

1718. GOODE & BEAN (1895). *Oceanic Ichthyology. A Treatise on the Deep-Sea and Pelagic Fishes of the World, Based Chiefly upon the Collections made by the Steamers "Blake," "Albatross," and "Fish Hawk" in the Northwestern Atlantic*. Special Bull. U. S. Nat. Mus., 553 pp., 1895.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Conocara Goode & Bean, 39; orthotype *C. MACDONALDI* G. & B.

Talismania Goode & Bean, 43; logotype *BATHYTRICTES HOMOPTERUS* Vaillant.

Bathylaco Goode & Bean, 57; orthotype *B. NIGRICANS* G. & B.

Benthosema Goode & Bean, 75; orthotype *SCOPELUS MUELLERI* Gmelin.

Collettia Goode & Bean, 83; orthotype *MYCTOPHUM RAFINESQUEI* Cocco.

Lampadena Goode & Bean, 85; orthotype *L. SPECULIGERA* G. & B.

Æthoprora Goode & Bean, 86; orthotype *SCOPELUS METOPOCLAMPUS* Cocco.

Bonapartia Goode and Bean, 102; orthotype *B. PEDALIOTA* G. & B. Name preoccupied; later replaced by *ZAPHOTIAS* G. & B.

Yarrella Goode & Bean, 103; orthotype *Y. BLACKFORDI* G. & B.

- Grammatostomias** Goode & Bean, 110; orthotype *G. DENTATUS* G. & B.
Aldrovandia Goode & Bean, 132; orthotype *HALOSAURUS ROSTRATUS* Gthr.
Hypoclydonia Goode & Bean, 236; orthotype *H. BELLA* G. & B.
Helicolenus Goode & Bean, 248; orthotype *SCORPENA DACTYLOPTERA* De la Roche.
Hilgendorfia Goode & Bean, 280; orthotype *PARALIPARIS MEMBRANACEUS* Gthr.
Dicromita Goode & Bean, 319; orthotype *D. AGASSIZII* G. & B.
Benthocometes Goode & Bean, 327; orthotype *NEOBYTHITES ROBUSTUS* G. & B.
Celema Goode & Bean, 329; logotype *POROGADUS NUDUS* Vaillant.
Alccckia Goode & Bean, 329; orthotype *POROGADUS ROSTRATUS* Gthr.
Mœbia Goode & Bean, 331; orthotype *BATHYNECTES GRACILIS* Gthr.
Penopus Goode & Bean, 335; orthotype *P. MACDONALDI* G. & B.
Hypsirhynchus "Facciolà, 111, pl. 11" (quoted in Goode & Bean, *Oceanic Ichth.*, 379, 1895); orthotype *H. HEPATICUS* Facciolà.
Moseleya Goode & Bean, 417; orthotype *MACRURUS LONGIFILIS* Gthr. Name pre-occupied; later replaced by *DOLLOA* Jordan.
Abyscicola Goode & Bean, 417; orthotype *MACRURUS MACROCHIR* Gthr.
Caulophryne Goode & Bean, 496; orthotype *C. JORDANI* G. & B.
Valenciennellus (Jordan & Evermann) in Goode & Bean, 513; orthotype *MAUROLICUS TRIPUNCTULATUS* Esmark. (Afterwards in Jordan & Evermann *Fish*, N. M. A. I., 1896, 577.)
Vinciguerria (Jordan & Evermann), in Goode & Bean, 513; orthotype *MAUROLICUS ATTENUATUS* Cocco. Advance notice, detailed account in Jordan & Evermann *Fish*, N. M. A. I., 1896, 577.
Manducus Goode & Bean, 514; orthotype *GONOSTOMA MADERENSE* Johnson.
Escolar (Jordan & Evermann) in Goode & Bean, August 23, 1896, 518; orthotype *THYRSITOPS VIOLACEUS* Bean. Later (1896) called *BIPINNULA* by Jordan & Evermann, October 3, 1896, through a slip in proof-reading.
Lophiodes Goode & Bean, 537; orthotype *LOPHIUS MUTILUS* Alcock.
1719. JORDAN (1895). *Description of Evermannia, a New Genus of Gobioid Fishes*. Proc. Calif. Acad. Sci. (2), IV, 592.
 DAVID STARR JORDAN.
- Evermannia** Jordan, 592; orthotype *GOBIOSOMA ZOSTERURUM* J. & G.
1720. JORDAN (1895). *The Fishes of Sinaloa*. Proc. Calif. Acad. Sci. (2), V, 377-514.
 DAVID STARR JORDAN (Assisted by EDWIN CHAPIN STARKS, GEORGE BLISS CULVER (1873-) & THOMAS MARION WILLIAMS (1871-)).
- Anchovia** Jordan & Evermann, 411; orthotype *ENGRAULIS MACROLEPIDOTUS* K. & S. (Described fully in *Fish*, N. M. Amer., Jordan & Evermann, 1896, 449.)
Thyrina Jordan & Culver, 419; orthotype *T. EVERMANNI* Jordan & Culver.
Xystæma Jordan & Evermann, 471; orthotype *MUGIL CINEREUS* Walbaum. A synonym of *GERRES*, as at first used by Quoy & Gaimard; not *GERRES* of most writers.
- Ulæma** Jordan & Evermann, 471; orthotype *DIAPTERUS LEFROYI* Goode.
Aboma Jordan & Starks, 497; orthotype *A. ETHEOSTOMA* Jordan & Starks.
Enneanectes Jordan & Gilbert, 501; orthotype *TRIPITYGIUM CARMINALE* J. & G.
Alexurus Jordan, 511; orthotype *A. ARMIGER* Jordan.

1721. JORDAN & STARKS (1895). *The Fishes of Puget Sound*. Proc. Calif. Acad. Sci. (2), V, 1895, 785-852.

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Zalarges Jordan & Williams, 793; orthotype *Z. NIMBARIUS* Jordan & Williams.
Said to be a synonym of *VINCIGUERRIA* Jordan.

Ruscarius Jordan & Starks, 805; orthotype *R. MEANYI* Jordan & Starks.

Astrolytes Jordan & Starks, 807; orthotype *ARTEDIUS FENESTRALIS* J. & G.

Gilbertina Jordan & Starks, 811; orthotype *G. SIGALUTES* Jordan & Starks. Name preoccupied; later replaced by *GILBERTIDIA* Berg.

Pallasina (Cramer) Jordan & Starks, 815; orthotype *SIPHAGONUS BARBATUS* Steind.

Stelgis (Cramer) Jordan & Starks, 821; orthotype *AGONUS VULSUS* J. & G.

Averruncus Jordan & Starks, 824; orthotype *A. EMMELANE* Jordan & Starks.

Xystes Jordan & Starks, 824; orthotype *X. AXINOPHRYS* Jordan & Starks.

Lethotremus (Gilbert) Jordan & Starks, 827; orthotype *L. VINOLENTUS* Jordan & Starks.

Ronquilus Jordan & Starks, 838; orthotype *BATHYMASTER JORDANI* Gilbert.

Quietula Jordan & Evermann, 839; orthotype *GILLICHTHYS Y-CAUDA* Jenkins & Evermann.

Bryostemma Jordan & Starks, 841; orthotype *BLENNIUS POLYACTOCEPHALUS* Pallas.

Xererpes Jordan & Gilbert, 846; orthotype *APODICHTHYS FUCORUM* J. & G.

Xiphistes Jordan & Starks, 847; orthotype *XIPHISTER CHIRUS* J. & G. Name preoccupied in HEMIPTERA; the genus itself, however, is of doubtful value.

1722. KIRKALDY (1895). *A Revision of the Genera and Species of the Branchiostomida*. Quart. Journ. Mur. Sci., XXXVII.

J. W. KIRKALDY.

Heteropleuron Kirkaldy, 314; orthotype *BRANCHIOSTOMA BASSANUM* Gthr.

1723. KOENEN (1895). *Ueber einige Fischreste des norddeutschen und Böhmisches Devons*. Abh. Ges. Götting., XL, no. 2, 1-37.

ADOLF VON KOENEN.

Platyaspis Koenen, 21; orthotype *P. TENUIS* Koenen (fossil).

Holopetalichthys Koenen, 25; orthotype *H. NOVAKI* Koenen (fossil).

1724. KRAMBERGER (1895). *De Piscibus fossilibus Comeni, Mrzleci, Lesinae et M. Libanonis, et appendix de Piscibus oligocænicis ad Tüffer, Sagor et Tri-fail*. Agram, 1895.

DRAGUTIN GORJANOVIC KRAMBERGER.

Opsigonus Kramberger, 9; orthotype *O. SQUAMOSUS* Kramberger (fossil).

Ancylostylos Kramberger, 42; orthotype *A. GIBBUS* Kramberger (fossil).

Lobopterus Kramberger, 44; orthotype *L. PECTINATUS* Kramberger (fossil).

Acanthophoria Kramberger, 45; orthotype *PAGELLUS LIBIANICUS* Pictet (fossil). A synonym of *ACROGASTER* Ag.

1725. OGILBY (1895). *On Two New Genera and Species of Fishes from Australia*. Proc. Linn. Soc. New South Wales (2), X, 320-324.

JAMES DOUGLAS OGILBY.

Centropercis Ogilby, 320; orthotype *C. NUDIVITTATUS* Ogilby.

Tropidostethus Ogilby, 323; orthotype *T. RHOTOPHILUS* Ogilby. Name preoccupied; replaced by *Iso* Jordan & Starks.

1726. STARKS (1895). *Description of a New Genus and Species of Cottoid from Puget Sound*. Proc. Acad. Nat. Sci. Phila., 1895, 410-412.

EDWIN CHAPIN STARKS.

Jordania Starks, 410; orthotype *J. ZONOPE* Starks.

1727. STRÖMMAN (1895). *Leptocephalids in the University Zoological Museum at Upsala*. S. B. Böhmisch. Ges., 1895, No. XXXIII, 42 pp.
H. STRÖMMAN.
- Euleptocephalus** Strömman, 51; logotype LEPTOCEPHALUS SICANUS Facciola.
1728. VINCIGUERRA (1895). *Esplorazione del Giuba a dei suoi affluenti compiuta dal Cap. V. Bottego durante gli anni 1892-93 sotto gli auspicii della Società geographia Italiana*. Pesci Ann. Mus. Genova (2), XV, 1895, 21-60.
DECIO VINCIGUERRA.
- Neobola** Vinciguerra, 56; orthotype N. BOTTEGOI Vinciguerra.
1729. WEBER (1895). *Fische von Ambon, Java, Thursday Island, dem Burnett-Fluss und von der Südküste von New Guinea*. Semon's Zoolog. Forschungsreisen, V, 259-276.
MAX (CARL WILHELM) WEBER (1852-).
- Stiphodon** Weber, 269; orthotype S. SEMONI Weber.
1730. WOODWARD (1895). *The Fossil Fishes of the Tabragar Beds (Jurassic ?)*. Mem. Geol. Surv. New S. Wales, Pal., No. 9, 1-27.
ARTHUR SMITH WOODWARD.
- Aphnelepis** Woodward, 9; orthotype A. AUSTRALIS Woodw. (fossil).
Ætheolepis Woodward, 12; orthotype A. MIRABILIS Woodw. (fossil).
Archæomæne Woodward, 15; orthotype A. TENUIS Woodw. (fossil).
1731. WOODWARD (1895). *Catalogue of Fossil Fishes in the British Museum, etc., III*.
ARTHUR SMITH WOODWARD.
- Asthenocormus** Woodward, 380; orthotype EUGNATHIUS TITANIUS Wagner (fossil).
Substitute for AGASSIZIA Vetter, preoccupied.
- Microconodus** (Traquair) Woodward, 437; orthotype M. MOLYNEUXI Traquair (fossil). In synonymy; a synonym of GONATODUS Traquair.
- Ctenolepis** (Agassiz) Woodward, 530; orthotype C. CYCLUS Ag. (fossil). Name only in Agassiz, Poiss. Foss., II, 1844, 180.
1732. WOOLMAN (1895). *Report on a Collection of Fishes from the Rivers of Central and Northern Mexico*. Bull. U. S. Fish Comm. for 1894 (1895).
ALBERT JEFFERSON WOOLMAN (1868-1918).
- Evarra** Woolman, 64; orthotype E. EIGENMANNI Woolman.
-
- 1896.
1733. ALCOCK (1896). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator." Series II, no. 23. A Supplementary List of the Marine Fishes of India, with Descriptions of Two New Genera and Eight New Species*. Journ. Asiat. Soc. Bengal, LXV, 301-338.
ALFRED WILLIAM ALCOCK.
- Boopsetta** Alcock, 305; orthotype B. UMBRARUM Alcock.
Scopelarchus Alcock, 307; orthotype S. GUENTHERI Alcock.
1734. ALESSANDRI (1896). *Ricerche sui pesci fossili di Paraná (Repubblica Argentina)*. Atti. Acc. Sci. Torino, XXXI,
GULIO DE ALESSANDRI.

Protautoga Alessandri, 729; orthotype *P. LONGIDENS* Alessandri (fossil).

1735. BEAN & BEAN (1896). *Notes on Fishes Collected in Kamtschatka and Japan by Leonhard Stejneger and Nikolai A. Grebnitzki, with a Description of a New Blenny.* (Dec. 30, 1896.)

TARLETON HOFFMAN BEAN; BARTON APPLER BEAN.

Pholidapus Bean & Bean, 389; orthotype *P. GREBNITZKII* Bean & Bean.

1736. BOULENGER (1896). *Descriptions of New Fishes from the Upper Shiré River, British Central Africa, Collected by Dr. Percy Rendall, and Presented to the British Museum by Sir Harry H. Johnston.* Proc. Zool. Soc. London, 1896, 915-920.

GEORGE ALBERT BOULENGER.

Docimodus Boulenger, 917; orthotype *D. JOHNSTONI* Boulenger.

Corematodes Boulenger, 919; orthotype *C. SHIRANUS* Boulenger.

1737. COLLETT (1896). *Poissons provenant des campagnes du Yacht l'Hiron-delle. Résultats des campagnes scientifiques accomplies sur son Yacht par Albert I, Prince Souverain de Monaco.* Fascicule X, Monaco, 1896, 198 pp.

ROBERT COLLETT.

Halosauropsis Collett, 143; orthotype *HALOSAURUS MACROCHIR* Gthr.

1738. GARMAN (1896). *Cross Fertilization and Sexual Rights and Lefts Among Vertebrates.* Amer. Naturalist, XXX, 232.

SAMUEL GARMAN.

Glaridichthys Garman, 232; orthotype *GIRARDINUS UNINOTATUS* Poey. Substitute for *GLARIDODON* Garman, preoccupied.

1739. GILL (1896). *The Differential Characters of the Syngnathid and Hippocampid Fishes.* Proc. U. S. Nat. Mus., XVI. (April 23, 1896.)

THEODORE GILL.

Phycodurus Gill, 159; orthotype *PHYLLOPTERYX EQUUS* Gthr.

1740. GILL (1896). *Lipophrys a substitute for Pholis.* Amer. Naturalist, XXX, 498.

THEODORE GILL.

Lipophrys Gill, 498; orthotype *BLENNIS PHOLIS* L. Substitute for *PHOLIS* Cuv. & Val., preoccupied by *PHOLIS* (Gronow) Scopoli.

1741. GRASSI & CALANDRUCCIO (1896). *Sullo scilluppo dei murenoidi.* Atti. Acc. Lincei Roma, V.

GIOVANNI BATTISTA GRASSI; SALVATORE CALANDRUCCIO.

Todarus Grassi & Calandrucchio, 349; orthotype *NETTASTOMA BREVIROSTRE* Facciola.

1742. GÜNTHER (1896). *Report on the Collection of Reptiles and Fishes Made by Messrs. Potanin & Berezowski in the Chinese Provinces Kansu and Sze-Chuen.* Ann. Ac. St. Petersburg, 1896, 199-219.

ALBERT GÜNTHER.

Onychostoma Günther, 211; orthotype *O. LATICEPS* Gthr.

Leucogobio Günther, 212; orthotype *L. HERZENSTEINI* Gthr. A synonym of *GNATHOPOGON* Blkr.

1743. HERZENSTEIN (1896). *Ueber einige neue und seltene Fische des Zoologischen Museums der Kaiserlichen Akademie der Wissenschaften.* Ann. Ac. St. Petersburg, 1896, 1-14.

SALOMON MARKOVICH HERZENSTEIN.

Coreoperca Herzenstein, 11; orthotype *C. HERZI* Herzenstein.

Nemalycodes Herzenstein, 14; orthotype *N. GRIGORJEWI* Herzenstein.

1744. JORDAN (1896). *Notes on Fishes Little Known or New to Science. (Contributions to Biology from the Hopkins Seaside Laboratory.)* Proc. Cal. Ac. Sci., VI, 1896 (June 19).

DAVID STARR JORDAN.

Zaprora Jordan, 202; orthotype *Z. SILENUS* Jordan.

Emmydrichthys Jordan & Rutter, 221; orthotype *E. VULCANUS* Jordan & Rutter, based on an example with a deformed dorsal fin, the last two spines bitten off and the wound healed, the coloration jet black, otherwise agreeing fairly with *SYNANCEICHTHYS VERRUCOSUS* (Bl. & Schn.). A synonym of *SPURCO* (Commerson) Cuv. & Val. or *SYNANCEICHTHYS* Blkr.

Tarandichthys Jordan & Evermann, 225; orthotype *ICELINUS FILAMENTOSUS* Gilbert.

Ulca Jordan & Evermann, 227; orthotype *HEMITRIPTERUS MARMORATUS* Gilbert.

Bryssætæres Jordan & Evermann, 230; orthotype *GOBIESOX PINNIGER* Gilbert.

Arbaciosa Jordan & Evermann, 230; orthotype *GOBIESOX HUMERALIS* Gilbert.

Rimicola Jordan & Evermann, 231; orthotype *GOBIESOX MUSCARUM* Meek & Pierson.*

Starksia Jordan & Evermann, 231; orthotype *LABRISOMUS CREMNOBATES* Gilbert.

Exerpes Jordan & Evermann, 232; orthotype *AUCHENOPTERUS ASPER* Jenkins & Evermann.

1745. JORDAN & EVERMANN (1896). *A Check List of the Fishes and Fish-like Vertebrates of Northern and Middle America.* Rept. U. S. Fish Comm. for 1895 (1896) (issued December, 1896). This Catalogue was issued in 1896, soon after the publication of Part 1 of the Fishes of North and Middle America by the same authors, and in advance of parts 2 and 3 (1898) and part 4 (1900). Most of the genera described in detail in the later parts are first characterized in this Check List, from which several names later defined should date. In this and other papers by these authors several names are first presented as appellations for subgenera, a matter of no importance so far as their use in nomenclature is concerned.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Rhonciscus Jordan & Evermann, 387; orthotype *PRISTIPOMA CROCRO* Cuv. & Val.

Rhencus Jordan & Evermann, 387; orthotype *PRISTIPOMA PANAMENSE* Steind.

Exonautes Jordan & Evermann, 332; orthotype *EXOCÆTUS EXSILIENS* Müller.

Eslopsarum Jordan & Evermann, 330; orthotype *CHIROSTOMA JORDANI* Woolman.

A section under *CHIROSTOMA* Sw.

Evapristis Jordan & Evermann, 388; orthotype *ORTHOPRISTIS LETHOPRISTIS* Jordan & Fesler.

Otrynter Jordan & Evermann, 388; orthotype *STENOTOMUS CAPRINUS* Bean.

Salema Jordan & Evermann, 390; orthotype *PERCA UNIMACULATA* Bloch. (Not *SALEIMA* Bowdich, a Portuguese variant of the Spanish name.)

Buccone Jordan & Evermann, 394; orthotype *CYNOSCION PRÆDATORIUS* J. & G.

Elattarchus Jordan & Evermann, 397; orthotype *ODONTOSCION ARCHIDIUM* J. & G.

Zonoscion Jordan & Evermann, 401; orthotype *POLYCIIRRIUS RATHEUNI* Jordan & Bollman.

* Charles John Pierson.

- Zaclemus** (Gilbert) Jordan & Evermann, 401; orthotype *PARALONCHURUS GOODEI* Gilbert.
- Zalembius** Jordan & Evermann, 403; orthotype *CYMATOGASTER ROSACEUS* J. & G.
- Iridio** Jordan & Evermann, 412; orthotype *LABRUS RADIATUS* L. (1758).
- Emmeekia** Jordan & Evermann, 413; orthotype *PSEUDOJULIS VENUSTUS* Jenkins & Evermann.
- Julidio** Jordan & Evermann, 413; orthotype *PSEUDOJULIS ADUSTUS* Gilbert.
- Euscarus** Jordan & Evermann, 416; orthotype *LABRUS CRETENSIS* L.
- Loro** Jordan & Evermann, 418; orthotype *SCARUS GUACAMAIA* Cuv.
- Zenion** Jordan & Evermann, 418; orthotype *CYTTUS HOLOLEPIS* G. & B.
- Angelichthys** Jordan & Evermann, 420; orthotype *CHETODON CILIARIS* L.
- Xesurus** Jordan & Evermann, 421; orthotype *PRIONURUS PUNCTATUS* Gill.
1746. JORDAN & EVERMANN (1896). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates Found in the Waters of North America, North of the Isthmus of Panama.* Part. I, Bull. U. S. Nat. Mus., No. XLVII, 1896, 1340 pp. (March 18, 1896.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Haustor** Jordan & Evermann, 137; orthotype *GADUS LACUSTRIS* Walbaum = *PIMELODUS NIGRICANS* Le Sueur.
- Rabidus** Jordan & Evermann, 146; orthotype *NOTURUS FURIOSUS* Jordan & Meek.
- Iotichthys** Jordan & Evermann, 243; orthotype *LEUCISCUS PHLEGETHONTIS* Cope.
- Opsopœa** Jordan & Evermann, 249; orthotype *OPSOPŒODUS BOLLMANI* Gilbert.
- Azteca** Jordan & Evermann, 258; orthotype *NOTROPIS AZTECUS* Woolman. Name preoccupied; later replaced by *AZTECULA* Jordan & Evermann.
- Orcella** Jordan & Evermann, 289; orthotype *NOTROPIS ORCA* Woolman.
- Yuriria** Jordan & Evermann, 321; orthotype *HYBOPSIS ALTUS* Jordan.
- Eigenmannia** Jordan & Evermann, 341; orthotype *STERNOPYGUS HUMBOLDTI* Steind. Substitute for *CRYPTOPS* Eigenmann, preoccupied.
- Verma** Jordan & Evermann, 374; orthotype *SPHAGEBRANCHUS KENDALLI* Gilbert.
- Scutica** Jordan & Evermann, 404; orthotype *GYMNOMURENA NECTURA* J. & G. A synonym of *UROPTERYGIUS* Rüppell.
- Tarpon** Jordan & Evermann, 409; orthotype *MEGALOPS ATLANTICUS* Cuv. & Val.
- Jenkinsia** Jordan & Evermann, 418; orthotype *DUSSUMIERIA STOLIFERA* J. & G.
- Lile** Jordan & Evermann, 431; orthotype *SARDINELLA STOLIFERA* J. & G.
- Anchovia** Jordan & Evermann, 449; orthotype *ENGRAULIS MACROLEPIDOTUS* K. & S.
- Mitchillina** Jordan & Evermann, 453; orthotype *ALEPOCEPHALUS BAIRDII* G. & B.
- Spirinchus** Jordan & Evermann, 522; orthotype *OSMERUS THALEICHTHYS* Ayres.
- Nansenia** Jordan & Evermann, 528; orthotype *MICROSTOMUS GREENLANDICUS* Reinh.
- Kenoza** Jordan & Evermann, 626; orthotype *ESOX AMERICANUS* Gmelin.
- Fontinus** Jordan & Evermann, 645; orthotype *FUNDULUS SEMINOLIS* Grd.
- Gambusinus** Jordan & Evermann, 649; orthotype *FUNDULUS RATHBUNI* Jordan & Meek.
- Cololabis** (Gill) Jordan & Evermann, 726; orthotype *SCOMBRESOX BREVIROSTRIS* Peters.
- Lethostole** Jordan & Evermann, 792; orthotype *CHIROSTOMA ESTOR* Jordan. A section under *CHIROSTOMA* Sw.
- Kirtlandia** Jordan & Evermann, 794; orthotype *CHIROSTOMA VAGRANS* G. & B. A synonym apparently of *MEMBRAS* Bonaparte.
- Eurystole** Jordan & Evermann, 802; orthotype *ATHERINELLA ERIARCHA* J. & G.

- Ostichthys** (Langsdorff) Jordan & Evermann, 846; orthotype *MYRIPRISTIS JAPONICUS* C. & V.
- Bipinnula** Jordan & Evermann, 878; orthotype *THYRSITOPS VIOLACEUS* Bean (Oct. 3, 1896). A synonym of *ESCOLAR* J. & E. (Aug. 23, 1896), the two names both left standing through a slip in proof-reading.
- Palometa** Jordan & Evermann, 966; orthotype *RHOMBUS PALOMETA* Jordan & Bollman.
- Swainia** Jordan & Evermann, 1040; orthotype *ETHESTOMA SQUAMATUM* Gilbert & Swain.
- Torrentaria** Jordan & Evermann, 1080; orthotype *ETHEOSTOMA SAGITTA* Jordan & Swain.
- Rafinesquiellus** Jordan & Evermann, 1082; orthotype *ETHEOSTOMA POTTSI* Grd.
- Nivicola** Jordan, 1082; orthotype *ETHEOSTOMA BOREALE* Jordan.
- Claricola** Jordan & Evermann, 1093; orthotype *ETHEOSTOMA JULIE* Meek.
- Psychromaster** Jordan & Evermann, 1099; orthotype *ETHEOSTOMA TUSCUMBIA* Gilbert & Swain.
- Copelandellus** Jordan & Evermann, 1100; orthotype *ETHEOSTOMA QUIESCENS* Jordan.
- Enneistus** Jordan & Evermann, 1147; orthotype *BODIANUS ACANTHISTIUS* Gilbert.
- Archoperca** Jordan & Evermann, 1171; orthotype *MYCTEROPERCA BOULENGERI* Jordan & Starks.
- Xystroperca** Jordan & Evermann, 1181; orthotype *MYCTEROPERCA PARDALIS* Gilbert.
- Ocyanthias** Jordan & Evermann, 1227; orthotype *HOLANTHIAS MARTINICENSIS* Guich.
- Osbeckia** Jordan & Evermann, 424; orthotype *BALISTES SCRIPTUS* Osbeck.
- Chapinus** Jordan & Evermann, 424; orthotype *OSTRACION BICAUDALIS* L.
- Rosicola** Jordan & Evermann, 429; orthotype *SEBASTOSOMUS PINNIGER* Gill.
- Eosebastes** Jordan & Evermann, 430; orthotype *SEBASTICHTHYS AURORA* Gilbert.
- Hispanicus** Jordan & Evermann, 431; orthotype *SEBASTICHTHYS RUBRIVINCTUS* J. & G.
- Rastrinus** Jordan & Evermann, 437; orthotype *ICELUS SCUTIGER* Bean.
- Zesticelus** Jordan & Evermann, 443; orthotype *ACANTHOCOTTUS PROFUNDORUM* Gilbert.
- Stellerina** (Cramer) Jordan & Evermann, 447; orthotype *BRACHYOPSIS XYOSTERNUS* J. & G.
- Sarritor** (Cramer) Jordan & Evermann, 448; orthotype *ODONTOPYXIS FRENATUS* Gill.
- Lyoliparis** Jordan & Evermann, 451; orthotype *LIPARIS PULCHELLUS* Ayres.
- Caremitra** Jordan & Evermann, 451; orthotype *CAREPROCTUS SIMUS* Gilbert.
- Allochir** Jordan & Evermann, 452; orthotype *CAREPROCTUS MELANURUS* Gilbert.
- Allurus** Jordan & Evermann, 452; orthotype *CAREPROCTUS ECTENES* Gilbert. Name preoccupied; replaced in 1900 by *ALLINECTES* J. & E.
- Amitrichthys** Jordan & Evermann, 453; orthotype *PARALIPARIS CEPHALUS* Gilbert.
- Sicya** Jordan & Evermann, 456; orthotype *SICYDIUM GYMNOGASTER* Ogilby-Grant.
- Lythrypnus** Jordan & Evermann, 458; orthotype *GOBIUS DALLI* Gilbert.
- Zalypnus** Jordan & Evermann, 459; orthotype *GOBIUS EMBLEMATICUS* J. & G.
- Ilypnus** Jordan & Evermann, 460; orthotype *LEPIDOGOBIUS GILBERTI* Eigenmann & Eigenmann.
- Rathbunella** Jordan & Evermann, 463; orthotype *BATHYMASTER HYPOPLECTUS* Gilbert.
- Arctoscopus** Jordan & Evermann, 464; orthotype *TRICHODON JAPONICUS* Steind.
- Esloscopus** Jordan & Evermann, 465; orthotype *DACTYLOSOPUS ZELOTES* J. & E.
- Mnierpes** Jordan & Evermann, 468; orthotype *CLINUS MACROCEPHALUS* Gthr.

- Scartes** Jordan & Evermann, 471; orthotype *SALARIAS RUBROPUNCTATUS* Cuv. & Val. Name preoccupied; replaced in 1898 by *SCARTICHTHYS* J. & E.
- Rhodymenichthys** Jordan & Evermann, 474; orthotype *GUNNELLUS RUBERRIMUS* Cuv. & Val. = *BLENNIUS DOLICHGASTER* Pallas.
- Ulvaria** Jordan & Evermann, 475; orthotype *PHOLIS SUBBIFURCATUS* Storer.
- Furcella** Jordan & Evermann, 480; orthotype *LYCODES DIAPTERUS* Gilbert. Name preoccupied; replaced by *FURCIMANUS* J. & E. (1898).
- Chilara** Jordan & Evermann, 482; orthotype *OPHIDIUM TAYLORI* Grd.
- Rissola** Jordan & Evermann, 483; orthotype *OPHIDIUM MARGINATUM* De Kay.
- Bellator** Jordan & Evermann, 488; orthotype *PRIONOTUS MILITARIS* G. & B.
- Vulsiculus** Jordan & Evermann, 489; orthotype *PERISTEDION IMBERBE* Poey.
- Remorina** Jordan & Evermann, 490; orthotype *ECHENEIS ALBESCENS* T. & S.
- Caulistius** Jordan & Evermann, 491; orthotype *GOBIESOX PAPILLIFER* Gilbert.
- Embassichthys** Jordan & Evermann, 506; orthotype *CYNICOGLOSSUS BATHYBIUS* Gilbert.
- Nexilarius** (Gilbert) Jordan & Evermann, 512; orthotype *EUSCHISTODUS CONCOLOR* Gill. Misprinted *NEXILARIS*.
1747. OGILBY (1896). *On a New Genus and Species of Fishes from Maroubra Bay*. Proc. Linn. Soc. New S. Wales, XXI, 23-25.
JAMES DOUGLAS OGILBY.
- Apogonops** Ogilby, 23; orthotype *A. ANOMALUS* Ogilby. This genus also occurs in an article entitled *On a New Genus (Apogonops) and Species of Australian Fishes*. Zool. Anzeiger, XIX, 256, 1896.
1748. OGILBY (1896). *Descriptions of Two New Genera and Species of Australian Fishes*. Proc. Linn. Soc. New S. Wales, XXI, 136-142.
JAMES DOUGLAS OGILBY.
- Macrurrhynchus** Ogilby, 136; orthotype *M. MAROUBRE* Ogilby. A synonym of *ASPIDONTUS* Ehrenberg.
- Dermatopsis** Ogilby, 138; orthotype *D. MACRODON* Ogilby.
1749. OGILBY (1896). *Rough-Backed Herrings*. Proc. Linn. Soc. N. S. W., XXI, 504.
JAMES DOUGLAS OGILBY.
- Potamalosa** Ogilby, XXI, 504; orthotype *CLUPEA NOBLE-HOLLANDI* Cuv. & Val.
1750. OSTROUMOFF (1896). *Zwei neue Relikten-Gattungen im Amazonen Meere*. Zool. Anz., XIX, 30.
ALEKSEYEV ALFESANDROVICH OSTROUMOFF (1858-).
- Asperina** Ostroumoff, 30; orthotype *A. IMPROVISA* Ostroumoff, a deep-sea form of *UMBRINA CIRRHOSA* (L.). A synonym of *UMBRINA* Cuv.
1751. PHILIPPI (1896). *Peccas nuevos de Chile*. Ann. Univ. Santiago de Chile, LXLIII.
RUDOLPH AMANDUS PHILIPPI.
- Acmonotus** Philippi, 375; orthotype *A. CHILENSIS* Philippi. Probably a synonym of *LEPTONOTUS* Kaup.
1752. RUTTER (1896). *Notes on Fresh-Water Fishes of the Pacific Slope of North America. II. The Fishes of Rio Yaqui, Sonora, with the Description of a New Genus of Siluridae*. Proc. Cal. Ac. Sci., VI. (June 23, 1896)
CLOUDSLEY M. RUTTER (1875-1905, about).

- Villarius** Rutter, 258; orthotype *V. PRICEI* Rutter. This genus is supposed to differ from *HAUSTOR* J. & E. (March 18, 1896) (fork-tailed *AMEIURUS*) in the presence of small scattered villi on the sides of the body. It is claimed that such villi exist also in several other species of *HAUSTOR*, at least in the young. *VILLARIUS* is therefore perhaps, but not certainly, a synonym of *HAUSTOR*, the latter having three months' priority.
1753. STARKS (1896). *List of Fishes Collected at Port Ludlow, Washington* Proc. Calif. Acad. Sci. (2), VI, 549-562.
EDWIN CHAPIN STARKS.
- Axyrias** Starks, 554; orthotype *A. HARRINGTONI* Starks. A near ally of *ARTEDIUS* Grd., perhaps a synonym.
1754. SEALE (1896). *Note on Deltistes, a New Genus of Catostomoid Fishes* Proc. Cal. Ac. Sci., V., 1896.
ALVIN SEALE (1870-).
- Deltistes** Seale, 269; orthotype *CHASMISTES LUXATUS* Cope.
1755. STORMS (1896). *Première note sur les poissons wemméliens (Éocène supérieur de la Belgique)*. Bull. Soc. Belg. Geol. Pal., X.
RAYMOND STORMS.
- Ctenodentex** Storms, 199; orthotype *DENTEX LÆKENIENSIS* Van Beneden (fossil).

1897.

1756. BOULENGER (1897). *An Account of the Fresh-Water Fishes Collected in Celebes by Drs. P. & F. Sarasin*. Proc. Zool. Soc. London, 1897, 426-429.
GEORGE ALBERT BOULENGER.
- Telmatherina** Boulenger, 428; orthotype *T. CELEBENSIS* Boulenger.
1757. BOULENGER (1897). *Description of a New Ceratopterygine Eagle-Ray from Jamaica*. Ann. Nat. Hist. (6), XX, 227-228.
GEORGE ALBERT BOULENGER.
- Ceratobatis** Boulenger, 227; orthotype *C. ROBERTSI* Boulenger.
1758. EASTMAN (1897). *Tamiobatis Vetustus, a New Form of Fossil Skate*. Amer. J. Sci. (4), 85-90.
CHARLES ROCHESTER EASTMAN (1868-1918).
- Tamiobatis** Eastman, 85; orthotype *T. VETUSTUS* Eastman. (Fossil cranium from Devonian or carboniferous, Kentucky.)
1759. EASTMAN (1897). *On the Occurrence of Fossil Fishes in the Devonian of Iowa*. Iowa Geol. Surv., VII, Ann. Rep. for 1896, 108-116.
CHARLES ROCHESTER EASTMAN.
- Synthetodus** Eastman, 111; orthotype *S. TRISULCATUS* Eastman (fossil, dental elements, perhaps *DIPNEUSTAN*, Devonian, Iowa).
1760. EIGENMANN (1897). *Steindachneria*. Amer. Nat., 1897, XXXI, 158-159.
CARL H. EIGENMANN.
- Steindachnerella** Eigenmann, 159; orthotype *STEINDACHNERIA ARGENTEA* G. & B., 1888. Substitute for *STEINDACHNERIA* G. & B., a name regarded as preoccupied by *STEINDACHNERIA* Eigenmann, 1897, as no type had been mentioned with the earlier *STEINDACHNERIA* of Goode & Bean. *STEINDACHNERIA* of Goode & Bean apparently holds, and a new name, *STEINDACHNERIDION* Eigenmann, 1919, has been given to Eigenmann's genus.

1761. GILBERT & CRAMER (1897). *Report on the Fishes Dredged in Deep Water Near the Hawaiian Islands, with descriptions and figures of Twenty-three New Species*. Proc. U. S. Nat. Mus., 1896, XIX, 403-435. (Feb. 5, 1897.)

CHARLES HENRY GILBERT; FRANK CRAMER.

- Argyripnus** Gilbert & Cramer, 414; orthotype A. EPHIPIATUS Gilbert & Cramer.
Cœlocephalus Gilbert & Cramer, 422; orthotype C. ACIPENSERINUS Gilbert & Cramer.
 Name preoccupied; replaced by MAT.ŒOCEPHALUS Berg.
Pelecanichthys Gilbert & Cramer, 432; orthotype P. CRUMENALIS Gilbert & Cramer.

1762. GILL & TOWNSEND (1897). *Diagnosis of New Species of Fishes Found in Bering Sea*. Proc. Soc. Washington, XI, 231-234.

THEODORE GILL; CHARLES HASKINS TOWNSEND.

- Ericara** Gill & Townsend, 232; orthotype E. SALMONEA Gill & Townsend.

1763. GILBERT (1897). *Descriptions of Twenty-two New Species of Fishes Collected by the Steamer "Albatross," of the U. S. Fish Comm.* Proc. U. S. Nat. Mus., 1896, XIX, 437-457. (Feb. 5, 1897.)

CHARLES HENRY GILBERT.

- Emmion** (Jordan) Gilbert, 454; orthotype E. BRISTOLE Jordan.

- Ulvicola** Gilbert & Starks, 455; orthotype U. SANCTE-ROSE Gilbert & Starks.

1764. NIKOLSKII (1897). *Les Reptiles, Amphibiens, et Poissons recueillis par Mr. N. Zarudny dans la Perse orientale* (Russian text). Ann. Mus. St. Petersb., 1897, 306-348.

ALEKSANDR MIKHAILOVICH NIKOLSKII (1858-).

- Apiostoma** Nikolskii, 345; orthotype A. ZARUDNYI Nikolskii. A synonym of SCHIZOTHORAX Heckel.

- Apiorhynchus** Nikolskii, 345; orthotype APIOSTOMA ZARUDNYI Nikolskii. Apparently a synonym of APIOSTOMA Nikolskii.

1765. OGILBY (1897). *New Genera and Species of Australian Fishes*. Proc. Linn. Soc. New S. Wales, 1897, XXII, 62-95.

JAMES DOUGLAS OGILBY.

- Omochætus** Ogilby, 72; orthotype HYPERLOPHUS COPEI Ogilby — MELETTA VITATA Castelnau. Perhaps a synonym of HYPERLOPHUS Ogilby.

- Monothrix** Ogilby, 87; orthotype M. POLYLEPIS Ogilby.

- Austrophycis** Ogilby, 91; orthotype A. MEGALOPIS Ogilby.

1766. OGILBY (1897). *Some New Genera and Species of Fishes*. Proc. Linn. Soc. New S. Wales, XXII, 245-257.

JAMES DOUGLAS OGILBY.

- Scolenchelys** Ogilby, 246; orthotype MURENICHTHYS AUSTRALIS Macleay. A synonym of MURENICHTHYS Blkr.

- Myropterura** Ogilby, 247; orthotype M. LATICAUDATA Ogilby.

- Goodella** Ogilby, 249; orthotype G. HYPOZONA Ogilby. A synonym of TRACHINOCEPHALUS Gill.

1767. OGILBY (1897). *On Some Australian Eleotrinae*. Proc. Linn. Soc. New S. Wales, XII, 725-757.

JAMES DOUGLAS OGILBY.

- Carassiops** Ogilby, 732; orthotype ELEOTRIS COMPRESSUS Krefft.

- Krefftius** Ogilby, 736; orthotype *ELEOTRIS AUSTRALIS* Krefft. A synonym of *MOGURNA* Gill.
- Mulgoa** Ogilby, 740; orthotype *ELEOTRIS COXII* Krefft.
- Ophiorrhinus** Ogilby, 745; logotype *ELEOTRIS GRANDICEPS* Krefft. A synonym of *PHILYPNODON* Blkr.
1768. **PERUGIA** (1897). *Di alcuni Pesci raccolti nell' Alto Paraguay dal Cav. Guido Boggiani*. Ann. Mus. Genova (2), XVIII, 147-150.
ALBERTO PERUGIA.
- Boggiania** Perugia, 148; orthotype *B. OCELLATA* Perugia.
1769. **PLATE** (1897). *Ein neuer Cyclostom mit grossen, normal entwickelten Augen, Macrophthalmia chilensis, n. g. n. sp.* Sitzber. Ges. Naturf. Berlin, 1897, 137-141.
LUDWIG HERMANN PLATE (1862-).
- Macrophthalmia** Plate, 137; orthotype *M. CHILENSIS* Plate.
1770. **PRIEM** (1897). *Sur les dents d'élasmobranches de divers gisements sénoniens. (L'illedieu, Meudon, et Foix-les-Caves.)* Bull. Soc. Geol. France, XXV, 40-56.
FERNAND PRIEM (-1919).
- Pseudocorax** Priem, 47; orthotype *CORAX AFFINIS* Ag.
1771. **VAILLANT** (1897). *Ŝiluroide nouveau de l'Afrique orientale (Chimarrhoglanis leroyi)*. Bull. Mus. Paris, 1897, 81-84.
LÉON VAILLANT.
- Chimarrhoglanis** Vaillant, 81; orthotype *C. LEROYI* Vaillant. A synonym of *AMPHILIUS* Gthr.
-
- 1898.**
1772. **ALCOCK** (1898). *Natural History Notes from H. M. Indian Marine Survey Ship "Investigator," Commander T. H. Heming, R. N., commanding. Series II, No. 25. A Note on the Deep-Sea Fishes, Including Another Probably Viviparous Ophidioid*. Ann. Mag. Nat. Hist. (7), II, 136-156.
ALFRED WILLIAM ALCOCK.
- Benthobatis** Alcock, 144; orthotype *B. MORESBYI* Alcock.
1773. **BASSANI** (1898). *Aggiunti all' ittiofauna coccinea di Monte Bolca e Postate*. Palont. Italica, III.
FRANCESCO BASSANI.
- Oncolepis** Bassani, 79; orthotype *O. ISSELI* Bassani (fossil).
1774. **BOULENGER** (1898). *Description of a New Genus of Cyprinoid Fishes from Siam*. Ann. Mag. Nat. Hist. (7), I, 450-451.
GEORGE ALBERT BOULENGER.
- Catlocarpio** Boulenger, 450; orthotype *C. SIAMENSIS* Boulenger.
1775. **BOULENGER** (1898). *Poissons nouveaux du Congo*. Ann. Mus. Congo, Zool. I, 1-20, 21-38.
GEORGE ALBERT BOULENGER.
- Stomatorhinus** Boulenger, 9; orthotype *MORMYRUS WALKFRI* Gthr.

Myomyrus Boulenger, 10; orthotype *M. MACRODON* Boulenger.

Genyomyrus Boulenger, 17; orthotype *G. DONNYI* Boulenger.

Eugnathichthys Boulenger, 26; orthotype *E. EETVELDII* Boulenger.

1776. BOULENGER (1898). *On a Collection of Fishes from the Rio Juru, Brazil*. Trans. Zool. Soc. London, XIV, 421-428.

GEORGE ALBERT BOULENGER.

Steatogenys Boulenger, 428; orthotype *RHAMPHICHTHYS ELEGANS* Steind.

1777. BOULENGER (1898). *On a New Genus of Salmonoid Fishes from Altai Mountains*. Ann. Mag. Nat. Hist. (7), 1, 329-331.

GEORGE ALBERT BOULENGER.

Phyllogephyra Boulenger, 330; orthotype *P. ALTAICA* Boulenger.

1778. BOULENGER (1898). *Descriptions of Two New Siluroid Fishes from Brazil*. Ann. Mag. Nat. Hist. (7), 11, 477-478.

GEORGE ALBERT BOULENGER.

Leptodoras Boulenger, 477; orthotype *OXYDORAS ACIPENSERINUS* Gthr.

1779. BOULENGER (1898). *A Revision of the African and Syrian Fishes of the Family Cichlidae, Part I*. Proc. Zool. Soc. London, 1898, 132-152.

GEORGE ALBERT BOULENGER.

Chromidotilapia Boulenger, 151; orthotype *C. KINGSLEYE* Boulenger.

1780. BOULENGER (1898). *Report on the Collection of Fishes Made by Mr. J. E. S. Moore in Lake Tanganyika . . . 1895-1896*. Trans. Zool. Soc., XV, 1-30.

GEORGE ALBERT BOULENGER.

Telmatochromis Boulenger, 10; orthotype *T. VITTATUS* Boulenger.

Julidochromis Boulenger, 11; orthotype *J. ORNATUS* Boulenger.

Bathybates Boulenger, 15; orthotype *B. FEROX* Boulenger.

Eretmodus Boulenger, 16; orthotype *E. CYANOCINCTUS* Boulenger.

Tropheus Boulenger, 17; orthotype *T. MOORII* Boulenger.

Simochromis Boulenger, 19; orthotype *CHROMIS DIAGRAMMA* Gthr.

Petrochromis Boulenger, 20; orthotype *P. POLYODON* Boulenger.

Perissodus Boulenger, 20; orthotype *P. MICROLEPIS* Boulenger.

Plecodorus Boulenger, 22; orthotype *P. PARADOXUS* Boulenger.

1781. DEAN (1898). *New Species and a New Genus of American Paleozoic Fishes. . . . from a Nearly Completed MS. by John Strong Newberry*. Trans. N. Y. Acad. Sci., XV. Edited by Bashford Dean.

BASHFORD DEAN (1867-).

Stenognathus (Newberry) Dean, about 300; orthotype *DINICHTHYS CORRUGATUS* Terrell.

1782. EASTMAN (1898). *Dentition of Devonian Pycnodontida*. Amer. Naturalist, XXXII, 473-488; 545-560.

CHARLES ROCHESTER EASTMAN.

Phlyctænacanthus Eastman, 552; orthotype *P. TELLERI* Eastman (a fossil *ICHTHYODORULITE* from Devonian, Wisconsin). A synonym of *ECZEMATOLEPIS* Miller = *ACANTHOLEPIS* Newberry.

Belemnacanthus Eastman, 552; orthotype *B. GIGANTEUS* Eastman (fossil spine, perhaps of an *OSTRACODERM*, from the Devonian of Eifel).

1783. EVERMANN & KENDALL (1898). *Descriptions of New or Little Known Genera and Species of Fishes from the United States*. Bull. U. S. Fish Commission, XVII, 125-133.

BARTON WARREN EVERMANN; WILLIAM CONVERSE KENDALL.

Signalosa Evermann & Kendall, 127; orthotype *S. ATCHAFALAYÆ* Evermann & Kendall.

Lyosphæra Evermann & Kendall, 131; orthotype *L. GLOBOSA* Evermann & Kendall.

Ogilbia (Jordan & Evermann) Evermann & Kendall, 132; orthotype *O. CAYORUM* Evermann & Kendall.

1784. GOELDI (1898). *Primeira Contribuição para o conhecimento dos peixes do valle dos Amazonas e dos Guyanas, etc.* Bol. Mus. Paraense. Hist. Nat., Para II.

EMIL AUGUST GOELDI.

Phrenatobius Goeldi, orthotype *P. CISTERNARUM* Goeldi. A little known subterranean fish.

1785. HAY (1898). *Notes on Species of Ichthyodectes, including the New Species I. cruentus, and on the Related and Herein Established Genus Gillicus*. Amer. J. Sci. (4), VI, 225-232.

OLIVER PERRY HAY.

Gillicus Hay, 230; orthotype *PORTHEUS ARCUATUS* Cope. Said to be a synonym of *ICHTHYODECTES* Cope.

1786. IHERING (1898). *Description of a New Fish from Saõ Paulo*. Proc. Acad. Nat. Sci. Phila., 1898, 108-109.

HERMANN VON IHERING (1850-).

Paulicea Ihering, 109; orthotype *P. JAHU* Ihering.

1787. JAEKEL (1898). *Ueber Hybodus Agassiz*. Sitzber. Naturf. Berlin, 1898, 135-146.

OTTO (MAX JOHANNES) JAEKEL.

Orthybodus Jaekel, 138; orthotype *HYBODUS GROSSICONUS* Ag. (fossil).

Parhybodus Jaekel, 143; orthotype *HYBODUS LONGICONUS* Ag. (fossil).

1788. JAEKEL (1898). *Der verschiedenen Rochentypen*. Sitzber. Naturf. Berlin, 1898, 44-53.

OTTO (MAX JOHANNES) JAEKEL.

Lagarodus Jaekel, 50; orthotype *PSAMMODUS SPECULARIS* Romanowskii (fossil).

1789. JORDAN (1898). *Description of a Species of Fish (Mitsukurina owstoni) from Japan, the Type of a Distinct Family of Lamnoid Sharks*. Proc. Calif. Acad. Sci. (3), I, 199-201.

DAVID STARR JORDAN.

Mitsukurina Jordan, 199; orthotype *M. OWSTONI* Jordan, a living homologue of the extinct genus *SCAPANORHYNCHUS* Woodw.

1790. JORDAN & EVERMANN (1898). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates found in the Waters of North America, North of the Isthmus of Panama*. Pt. II. Bull. U. S. Nat. Mus. No. 47, 1241-2182. (Oct. 3, 1898.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Nector Jordan & Evermann, 1433; orthotype *BAIRDIELLA ARMATA* Gill.

- Zestis** Jordan & Evermann, 1439; orthotype *STELLIFER OSCITANS* J. & G.
Zestidium Jordan & Evermann, 1442; orthotype *STELLIFER ILLECEBROSUS* Gilbert.
Stellicarens Jordan & Evermann, 1445; orthotype *STELLIFER ZESTOCARUS* Gilbert.
Sigmurus (Gilbert) Jordan & Evermann, 1447; orthotype *CORVINA VERMICULARIS* Gthr.
Azurina (Jordan & McGregor) Jordan & Evermann, 1544; orthotype *A. HIRUNDO* Jordan & McGregor.
Forcipiger (Jordan & McGregor) Jordan & Evermann, 1671; orthotype *CHELMON LONGIROSTRIS* Cuv. & Val.
Emmelas Jordan & Evermann, 1773; orthotype *SEBASTODES GLAUCUS* Hilgendorf.
Alcidea Jordan & Evermann, 1886; orthotype *PARICELINUS THØBURNI* Gilbert.
Archistes (Jordan & Gilbert) Jordan & Evermann, 1900; orthotype *A. PLUMARIUS* J. & G.
Steligistrum (Jordan & Gilbert) Jordan & Evermann, 1921; orthotype *S. STEJNEGERI* J. & G.
Oxycottus Jordan & Evermann, 2015; orthotype *OLIGOCOTTUS ACUTICEPS* Gilbert.
Nautiscus Jordan & Evermann, 2019; orthotype *NAUTICHTHYS PRIBILOVIUS* J. & G.
Occa Jordan & Evermann, 2043; orthotype *BRACHYOPSIS VERRUCOSUS* Lockington.
Gurnardus Jordan & Evermann, 2148; orthotype *PRIONOTUS GYMNOSTETHUS* Gilbert.
Merulinus Jordan & Evermann, 2148; orthotype *TRIGLA CAROLINA* L.
1791. JORDAN & EVERMANN (1898). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates Found in the Waters of North America North of the Isthmus of Panama*. Part III. Bull. U. S. Nat. Mus., No. 47, pp. 2183-3136. (Nov., 1898.)
 DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Enypnias** Jordan & Evermann, 2232; orthotype *GOBIUS SEMINUDUS* Gthr.
Dæctor Jordan & Evermann, 2325; orthotype *THALASSOPHYRNE DOWI* J. & G.
Bryssophilus Jordan & Evermann, 2329; orthotype *GOBIOSEX PAPILLIFER* Gilbert.
Pterognathus (Girard) Jordan & Evermann, 2355; orthotype *NEOCLINUS SATIRICUS* Grd.
Corallicola Jordan & Evermann, 2369; orthotype *AUCHENOPTERUS NIGRIPINNIS* Steind.
Homesthes (Gilbert) Jordan & Evermann, 2394; orthotype *H. CAULOPUS* Gilbert.
Blenniulus Jordan & Evermann, 2386; orthotype *BLENNIUS BREVIPINNIS* Gthr.
Scartichthys Jordan & Evermann, 2395; orthotype *SALARIAS RUBROPUNCTATUS* Cuv. & Val. A substitute for *SCARTES* J. & E., 1896, preoccupied.
Enedrias Jordan & Evermann, 2414; orthotype *GUNNELUS NEBULOSUS* T. & S.
Ernogrammus Jordan & Everman, 2441; orthotype *STICHÆUS ENNEAGRAMMUS* Kner.
Ozorth Jordan & Evermann, 2441; orthotype *STICHÆUS HEXAGRAMMUS* T. & S.
Embryx Jordan & Evermann, 2456; orthotype *LYCOPOPSIS CRASSILABRIS* Gilbert.
Lycias Jordan & Evermann, 2463; orthotype *LYCOBES NEBULOSUS* Kner.
Theragra (Lucas) Jordan & Evermann, 2535; orthotype *GADUS CHALCOGRAMMUS* Pallas.
Emphycus Jordan & Evermann, 2552; orthotype *PHYCIS TENUIS* Mitchill. A substitute for *PHYCIS* Raf., which is preoccupied, but *PHYCIS* Röse (1793), its equivalent, is apparently valid.
Verasper (Jordan & Gilbert) Jordan & Evermann, 2618; orthotype *V. MOSERI* J. & G.
Ramularia Jordan & Evermann, 2663; orthotype *ANCYLOPSETTA DENDRITICA* Gilbert.
Perissias Jordan & Evermann, 2667 orthotype *PLATOPHYRYS TÆNIOPTERUS* Gilbert.

- Albatrossia** Jordan & Evermann, 2573; orthotype *MACROURUS PECTORALIS* Gilbert.
Bogoslovius Jordan & Evermann, 2574; orthotype *B. CLARKI* J. & G.
Aztecula Jordan & Evermann, 2799; orthotype *NOTROPIS AZTECUS* Woolman. A substitute for *AZTECA* J. & E., preoccupied.
Zaphotias (Goode & Bean) Jordan & Evermann, 2826; orthotype *BONAPARTIA PEDALIOTA* G. & B. Substitute for *BONAPARTIA* G. & B., preoccupied.
Rhynchias (Gill) Jordan & Evermann, 2841; orthotype *AMMODYTES SEPTIPINNIS* Pallas, a species still unrecognized.
Zalocys (Jordan & McGregor) Jordan & Evermann, 2848; orthotype *Z. STILBE* Jordan & McGregor.
Signistes (Rutter) Jordan & Evermann, 2863; orthotype *S. CAULIAS* Rutter.
Aspistor Jordan & Evermann, 2863; orthotype *ARIUS LUNISCUTIS* Cuv. & Val.
Crystallichthys (Jordan & Gilbert) Jordan & Evermann, 2864; orthotype *C. MIRABILIS* J. & G.
Allinectes Jordan & Evermann, 2866; orthotype *CAREPROCTUS ECTENES* Gilbert. Substitute for *ALLURUS* J. & E., preoccupied by *ALLURUS* Forster (1862), a genus of HYMENOPTERA; also by *ALLURUS* Eisen (1874), a genus of worms.
Prognurus (Jordan & Gilbert) Jordan & Evermann, 2866; orthotype *P. CYSELURUS* J. & G.
Sicyosus Jordan & Evermann, 2867; orthotype *SICYDIUM GYMNOGASTER* Ogilvie-Grant. Substitute for *SICYA* Jordan & Evermann, preoccupied.
Alectrias Jordan & Evermann, 2869; orthotype *BLENNIUS ALECTROLOPHUS* Pallas.
Furcimanus Jordan & Evermann, 2869; orthotype *LYCODES DIAPTERUS* Gilbert. Substitute for *FURCELLA* J. & E., preoccupied.
Flammeo Jordan & Evermann, 2871; orthotype *HOLOCENTRUM MARIANUM* Cuv. & Val.

1792. JORDAN & MCGREGOR (1898). *List of Fishes Collected at the Revillagigedo Archipelago and Neighboring Islands*. Rept. U. S. Fish Comm., for 1898, 273-284.

DAVID STARR JORDAN; RICHARD CRITTENDEN MCGREGOR.

The contents of this paper were included in the appendix to Part III of the *Fishes of North and Middle America*, of the same date.

Zalocys Jordan & McGregor, 276; orthotype *Z. STILBE* Jordan & McGregor.

Forcipiger Jordan & McGregor, 279; orthotype *CHELMO LONGIROSTRIS* Cuv. & Val.

1793. JORDAN & GILBERT (1898). *The Fishes of Bering Sea, In Jordan, Fur Seals, and Fur-Seal Islands of the North Pacific Ocean*. Part III.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

The genera and species described in this paper were mostly included in Jordan & Evermann's *Fishes of North America*, Part III, of the same date.

Therobromus (Lucas) Jordan & Gilbert, 440; orthotype *THEROBROMUS CALLORHINI* Lucas.*

Archistes Jordan & Gilbert, 454; orthotype *A. PLUMARIUS* J. & G.

Stelgistrum Jordan & Gilbert, 456; orthotype *S. STEJNEGERI* J. & G.

Crystallichthys Jordan & Gilbert, 476; orthotype *C. MIRABILIS* J. & G.

Prognurus Jordan & Gilbert, 478; orthotype *P. CYSELURUS* J. & G.

Albatrossia Jordan & Gilbert, 487; orthotype *MACROURUS PECTORALIS* Gilbert.

Verasper Jordan & Gilbert, 490; orthotype *V. MOSERI* J. & G.

* Frederick Augustus Lucas (1852-).

1794. NEWBERRY (1898). *New Species and New Genus of American Palaeozoic Fishes, Together with Notes on the Genera Oracanthus, Dactyiodus, Polyrhizodus, Sandalodus, Deltodus*. Trans. N. Y. Acad., XVI, 1898, 282-304.

JOHN STRONG NEWBERRY.

Sterognathus Newberry, 303; orthotype *DINICHTHYS CORRUGATUS* Terrell (fossil).

1795. OGILBY (1898). *A Contribution to the Zoology of New Caledonia*. Proc. Linn. Soc. New S. Wales, XXII, 762-770.

JAMES DOUGLAS OGILBY.

Trichopharynx Ogilby, 769; orthotype *GOBIEUS CRASSILABRIS* Gthr. A synonym of *CHONOPHORUS* Poey (AWAOUS Steind.).

1796. OGILBY (1898). *New Genera and Species of Fishes*. Proc. Linn. Soc. New S. Wales, XXIII, 32-41, 280-299.

JAMES DOUGLAS OGILBY.

Cinetodus Ogilby, 32; orthotype *ARIUS FROGGATI* Ramsay.

Nedystoma Ogilby, 32; orthotype *HEMIPIMELODUS DAYI* Ramsay & Ogilby.

Pachyula Ogilby, 33; orthotype *HEMIPIMELODUS CRASSILABRIS* Ramsay. A synonym of *HEMIPIMELODUS*.

Thysanophrys Ogilby, 40; orthotype *PLATYCEPHALUS CIRRONASUS* Rich.

Tæniomembras Ogilby, 41; orthotype *ATHERINA MICROSTOMA* Gthr. Apparently a synonym of *HEPSETIA* Bon.

Endorrhis Ogilby, 283; orthotype *COPIDOGLANIS LONGIFILIS* Macleay. A synonym of *PARAPLOTOSUS*.

Congrellus Ogilby, 288; orthotype *MURENA BALEARICA* Delaroché. A synonym of *ARIOSOMA* Sw., as restricted; first noted by Jordan & Evermann.

Eathycongrus Ogilby, 292; orthotype *CONGROMURENA NASICA* Alcock.

Eucentronotus Ogilby, 294; orthotype *E. ZIETZI* Ogilby. A synonym of *PERONEDYS* Steind.

Creedia Ogilby, 298; orthotype *C. CLATHRISQUAMIS* Ogilby.

1797. OGILBY (1898). *Additions to the Fauna of Lord Howe Island*. Proc. Linn. Soc. New S. Wales, 1898, XXIV, 730-745.

JAMES DOUGLAS OGILBY.

Howella Ogilby, 733; orthotype *H. BRODIEI* Ogilby.

Machærope Ogilby, 736; orthotype *M. LATISPINIS* Ogilby.

Diancistrus Ogilby, 743; orthotype *D. LONGIFILIS* Ogilby.

1798. OGILBY (1898). *On Some Australian Eleotrinæ*. Proc. Linn. Soc. New S. Wales, XXII, 783-893.

JAMES DOUGLAS OGILBY.

Caulichthys Ogilby, 784; orthotype *ELEOTRIS GUENTHERI* Blkr. A synonym of *HYPSELEOTRIS* Gill.

Austrogobio Ogilby, 788; orthotype *CARASSIOPS GALII* Ogilby.

1799. PRIEM (1898). *Sur la faune ichthyologique des Assises Montiennes du Bassin de Paris et en particulier sur Pseudolates heberti, Gervais*. Bull. Soc. Geol. France (3), XXVI, 399-412.

FERNAND PRIEM.

Pseudolates Priem, 408; orthotype *LATES HERBERTI* Gervais (fossil). Name pre-occupied by Macleay, 1877; replaced by *PROLATES* Priem.

1800. SMITT (1898). *Poissons de l'Expédition scientifique à la Terre de Feu*. Bih. Svenska Ak., XXIII-IV, no. 5, 1-80.

FREDERIK ADAM SMITT (1839-1904).

Dissostichus Smitt, 3; orthotype *D. ELEGINOIDES* Smitt.

1801. STEINDACHNER (1898). *Die Fische der Sammlung Plate. Fauna Chilenensis . . . nach der Sammlung von Dr. L. Plate.* Zool. Jahrb. Suppl., IV, 281-337.

FRANZ STEINDACHNER.

Platea Steindachner, 323; orthotype P. INSIGNIS Steind.

1802. STORMS (1898). *Première note sur les Poissons Wemméliens (Éocène Supérieur) de la Belgique.* Mém. Soc. Belge. Geol., X, 1898, 198-240.

RAYMOND STORMS.

Ctenodentex Storms, 199; orthotype DENTEX LÆKENIENSIS Van Beneden (fossil).
Eomyrus Storms, 225; orthotype E. DOLLOI Storms (fossil).

1803. TRAQUAIR (1898). *Notes on Palaeozoic Fishes, No. 2.* Ann. Mag. Nat. Hist. (7), II, 67-70.

RAMSAY HEATLEY TRAQUAIR.

Farnellia Traquair, 69; orthotype F. TUBERCULATA Traquair (fossil).

1804. VINCIGUERRA (1898). *I pesci dell' ultima Spedizione del Cap. Bottego.* Ann. Mus. Genova (2), XIX, 240-261.

DECIO VINCIGUERRA.

Oxyglanis Vinciguerra, 250; orthotype O. SACCHII Vinciguerra.

1805. WOODWARD (1898). *Notes on Some Type Specimens of Cretaceous Fishes from Mount Lebanon in the Geneva Museum.* Ann. Mag. Nat. Hist., VII, series 2.

ARTHUR SMITH WOODWARD.

Thrissopteroides Woodward, 408; orthotype T. TENUICEPS Woodw. = CLUPEA ELONGATA Davis (fossil).

1899.

1806. ABBOTT (1899). *The Marine Fishes of Peru.* Proc. Acad. Nat. Sci. Phila., 1899, 324-364.

JAMES FRANCIS ABBOTT (1875-).

Pisciregia Abbott, 342; orthotype P. BEARDSLEEI Abbott. A synonym of BASILICHTHYS Grd.

1807. ALCOCK (1899). *New Species of Fish.* Proc. Asiat. Soc. Bengal, 1899, 781.

ALFRED WILLIAM ALCOCK.

Halimochirus Alcock, 78; orthotype H. CENTRISCOIDES Alcock.

1808. AMEGHINO (1899). *Sinopsis geologico-paleontologica. Suplemento (Adiciones y correcciones).* La Plata, 1899, 1-13.

FLORENTINO AMEGHINO (1854-1911).

Paraikichthys Ameghino, 10; orthotype P. ORNATISSIMUS Ameghino (fossil).

1809. BERG (1899). *Substitucion de nombres genericos.* II Comun. Mus. Buenos Aires, I, 37-80.

CARLOS BERG.

Gilbertidia Berg, 42; orthotype GILBERTINA SIGOLUTES Jordan & Starks. Substitute for GILBERTINA Jordan & Starks, preoccupied.

Mataeocephalus Berg, 43; orthotype CÆLOCEPHALUS ACIPENSERINUS Gilbert & Cramer. Substitute for CÆLOCEPHALUS Gilbert & Cramer, preoccupied.

1810. BOULENGER (1899). *Matériaux pour la faune du Congo. Poissons nouveaux du Congo. Troisième Partie: Silures, Acanthopterygiens, Mastacembles, Plectognathes*, Ann. Mus. Congo, Zool. I, 39-58. *Quatrième Partie: Polyptères, Clupes, Mormyres, Characins*, 59-96. *Cinquième Partie: Cyprins. Silures, Cyprinodontes, Acanthopterygiens*, 97-128.

GEORGE ALBERT BOULENGER.

- Chrysobagrus** Boulenger, 40; orthotype C. BREVIBARBIS Boulenger.
Gephyroglanis Boulenger, 42; logotype G. CONGICUS Boulenger.
Steatocranus Boulenger, 52; orthotype S. GIBBICEPS Boulenger.
Teleogramma Boulenger, 53; orthotype T. GRACILE Boulenger.
Odaxothrissa Boulenger, 64; orthotype O. LOSERA Boulenger.
Paraphago Boulenger, 76; orthotype P. ROSTRATUS Boulenger.
Neoborus Boulenger, 78; orthotype N. ORNATUS Boulenger.
Micralestes Boulenger, 86; orthotype M. HUMILIS Boulenger.
Pseudoplesiops Boulenger, 90; orthotype P. NUDICEPS Boulenger. (Name preoccupied: Bleeker, 1858); replaced by NANOCHROMIS Pellégrin.
Chelæthiops Boulenger, 101; orthotype C. ELONGATUS Boulenger.
Parailia Boulenger, 105; orthotype P. CONGICA Boulenger.
Xenochromis Boulenger, 125; orthotype X. HECQUI Boulenger.

1811. BOULENGER (1899). *Second Contribution to the Ichthyology of Lake Tanganyika. On the Fishes Obtained by the Congo Free State Expedition under Lieut. Lemaire in 1898*. Trans. Zool. Soc. London, XV, 87-96.

GEORGE ALBERT BOULENGER.

- Trematocara** Boulenger, 89; orthotype T. MARGINATUM Boulenger.
Grammatotria Boulenger, 90; orthotype G. LEMAIRI Boulenger.
Xenotilapia Boulenger, 92; orthotype X. SIMA Boulenger.

1812. BOULENGER (1899). *Description of a New Genus of Perciform Fishes from the Cape of Good Hope*. Ann. S. African Mus., I, 379-380.

GEORGE ALBERT BOULENGER.

- Atyposoma** Boulenger, 379; orthotype A. GUERNEYI Boulenger.

1813. BOULENGER (1899). *Description of a New Genus of Gobioid Fishes from the Andes of Ecuador*. Ann. Mag. Nat. Hist. (7), IV, 125-126.

GEORGE ALBERT BOULENGER.

- Oreogobius** Boulenger, 125; orthotype O. ROSENBERGI Boulenger.

1814. BOULENGER (1899). *Descriptions of Two New Homalopterine Fishes from Borneo*. Ann. Nat. Hist. (7), IV, p. 228-229.

GEORGE ALBERT BOULENGER.

- Glaniopsis** Boulenger, 228; orthotype G. HANITSCHI Boulenger.

1815. EIGENMANN (1899). *A case of Convergence*. Science IX.

CARL H. EIGENMANN.

- Troglichthys** Eigenmann, 282; orthotype TYPHLICHTHYS ROSÆ Eigenmann (a blind fish from a cave in Missouri).

1816. EVERMANN & MARSH (1899). *Descriptions of New Genera and Species of Fishes from Puerto Rico*. Rept. U. S. Fish Comm. for 1899.

BARTON WARREN EVERMANN; MILLARD CALEB MARSH.

- Gillias** Evermann & Marsh, 357; orthotype G. JORDANI Evermann & Marsh.
Auchenistius Evermann & Marsh, 359; orthotype A. STAHLI Evermann & Marsh.
Coralliozetus Evermann & Marsh, 362; orthotype C. CARDONÆ Evermann & Marsh.

1817. GARMAN (1899). *Reports on an Exploration off the West Coasts of Mexico, Central and South America, and off the Galapagos Islands, in Charge of Alexander Agassiz, by the U. S. Fish Commission Steamer "Albatross" during 1891, Lieut. Commander Z. L. Tanner, U. S. N., Commanding. The Fishes.* Mem. Mus. Harvard, XXIV, 1-431.

SAMUEL GARMAN.

- Centristhmus** Garman, 47; orthotype *C. SIGNIFER* Garman.
Ectreposebastes Garman, 53; orthotype *E. IMUS* Garman.
Dolopichthys Garman, 81; orthotype *D. ALLECTOR* Garman.
Haliutopsis Garman, 89; orthotype *H. TUMIFRONS* Garman.
Dibranchopsis Garman, 96; orthotype *HALIEUTEA SPONGIOSA* Gilbert.
Dibranchichthys Garman, 99; orthotype *D. NUDIVOMER* Garman.
Bothrocaropsis Garman, 127; orthotype *B. ALALONGA* Garman.
Leucicorus Garman, 146; orthotype *L. LUSCIOSUS* Garman.
Holcomycteronus Garman, 163; orthotype *H. DIGITATUS* Garman.
Eretmichthys Garman, 164; orthotype *E. PINNATUS* Garman.
Pseudonus Garman, 169; orthotype *P. ACUTUS* Garman.
Sciadonus Garman, 171; orthotype *S. PEDICELLARIS* Garman.
Microlepidium Garman, 180; orthotype *LEPIDION VERECUNDUM* Gilbert.
Leptophycis Garman, 182; orthotype *L. FILIFER* Garman.
Lychnopoles Garman, 224; orthotype *L. ARGENTEOLUS* Garman.
Dactylostomias Garman, 279; orthotype *D. FILIFER* Garman.
Congrosoma Garman, 308; orthotype *C. EVERMANNI* Garman.
Atopichthys Garman, 327; logotype *A. ESUNCULUS* Garman. A catchall for unplaced larval eels not known to be young CONGERS.

- 1818-1819. HAY (1899). *On Some Changes in the Names, Generic and Specific, of Certain Fossil Fishes.* Amer. Naturalist, XXXIII, 783-792.

OLIVER PERRY HAY.

- Stemmatias** Hay, 784; logotype *STEMMATODUS CHEIRIFORMIS* St. John & Worthen (fossil). Substitute for *STEMMATODUS* St. John & Worthen, preoccupied by *STEMMATODUS* Heckel.
Hybocladodus Hay, 784; orthotype *HELODUS COMPRESSUS* St. John & Worthen (fossil).
Platyxytrodus Hay, 785; orthotype *COCHLIODUS STRIATUS* Ag. (fossil). Substitute for *XYSTRODUS* (Ag.) Morris & Roberts, preoccupied by *XYSTRODUS* Plieninger (1860).
Polypsephis Hay, 788; orthotype *MICRODON ELEGANS* Ag. Substitute for *MICRODON* Ag., preoccupied in DIPTERA Meigen, 1803; but *PROSCINETES* Gistel (1848) is a still earlier substitute name.
Redfieldius Hay, 789; orthotype *CATOPTERUS GRACILIS* Redfield. Substitute for *CATOPTERUS* Redfield, preoccupied by *CATOPTERUS* Ag.
Grypodon Hay, 790; orthotype *ANCISTRODON TEXANUS* Dames (fossil). Substitute for *ANCISTRODON* Rœmer, and *AGKISTRODUS* de Koninck, regarded as preoccupied by *AGKISTRODON* Beauvais (*ANCISTRODON* of authors).

1820. JORDAN & SNYDER (1899). *Notes on a Collection of Fishes from the Rivers of Mexico, with Descriptions of Twenty New Species.* Bull. U. S. Fish Comm. for 1899, 116-147.

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER (1867-).

- Istlarius** Jordan & Snyder, 118; orthotype *I. BALSANUS* Jordan & Snyder.

Xystrosus Jordan & Snyder, 123; orthotype X. POPOCHE Jordan & Snyder.

Falcula Jordan & Snyder, 124; orthotype F. CHAPALE Jordan & Snyder.

Xenendum Jordan & Snyder, 127; orthotype X. CALIENTE Jordan & Snyder.

1821. KARPINSKII (1899). *Ueber die Reste von Edestiden und die neue Gattung von Helicoprion*. Mem. Acad. Sci. St. Petersburg, VIII (and in other papers).

ALEKSANDR PETROVICH KARPINSKII (1846-).

Helicoprion Karpinskii, 307; orthotype H. BESSENOWI Karpinskii (fossil).

1822. OGILBY (1899). *Contributions to Australian Ichthyology*. Proc. Linn. Soc. New S. Wales, 1899, XXIV, 154-186.

JAMES DOUGLAS OGILBY.

Euristhmus Ogilby, 154; logotype PLOTOSUS ELONGATUS Castelnau.

Ostophycephalus Ogilby, 155; orthotype O. BURICEPS Ogilby.

Austrocobitis Ogilby, 158; orthotype MESITES ATTENUATUS Jenyns. A substitute for MESITES Jenyns, preoccupied; a synonym of GALAXIAS Cuv.

Epinephelides Ogilby, 170; orthotype E. LEAI Ogilby.

Anagramma Ogilby, 175; orthotype CALLANTHIAS ALLPORTI Gthr. A synonym of CALLANTHIAS Gthr.

1823-1824. PRIEM (1899). *Sur des poissons fossiles éocènes d'Égypte et de Roumanie, et rectification relative à Pseudolates heberti (Gervais)*. Bull. Soc. Geol. France, 1899, 3 ser. XXVII, 241-252.

FERNAND PRIEM.

Scorpænoïdes Priem, 248; orthotype S. POPOVICII Priem. (fossil). (Not SCORPE-NOIDES Blkr.)

Prolates Priem, 252; orthotype LATES HEBERTI Gervais (fossil). A substitute for PSEUDOLATES Priem, preoccupied.

1825. SMITT (1899). *Preliminary Notes on the Arrangement of the Genus Gobius, with an Enumeration of Its European Species*. Ofv. Vct. Ak. Förh., 1899, 543-555.

FREDERIK ADAM SMITT (1839-1904).

Caffrogobius Smitt, 540; orthotype GOBIUS NUDICEPS Cuv. & Val.

Lebistes Smitt, 543; orthotype L. SCORPIOIDES Smitt. Not LEBISTES Filippi, 1862.

Mugilogobius Smitt, 543; for "Indian & Japanese Species," no type named, but in a personal letter in 1903 Dr. Smitt stated to me that his type species was the one named CTENOGOBUS ABEI Jordan & Snyder. Accepting this version, MUGILOGOBIUS is substantially the same as VAIMOSA Jordan & Seale, which name it may replace.

Mapo Smitt, 543; orthotype GOBIUS SOPORATOR Cuv. & Val. A synonym of BATHYGOBIUS Blkr.

Proterorhinus Smitt, 544; orthotype GOBIUS MARMORATUS Pallas.

Eichwaldia Smitt, 545; orthotype GOBIUS CASPIUS Eichwald.

1826. STEWART (1899). *Leptichthys, a New Genus of Fishes from the Cretaceous of Kansas*. Amer. Geologist, XXIV.

ALBAN F. STEWART.

Leptichthys Stewart, 78; orthotype L. AGILIS Stewart (fossil).

1827. TRAQUAIR (1899). *Report on Fossil Fishes Collected by the Geological Survey of Scotland in the Silurian Rocks of the South of Scotland*. Trans. Roy. Soc. Edinburgh, XXXIX, 827-864.

RAMSAY HEATLEY TRAQUAIR.

- Lanarkia** Traquair, 832; logotype *L. HORRIDA* Traquair (fossil).
Ateleaspis Traquair, 834; orthotype *A. TESSELLATA* Traquair (fossil).
Birkenia Traquair, 837; orthotype *B. ELEGANS* Traquair (fossil).
Lasanius Traquair, 840; logotype *L. PROBLEMATICUS* Traquair (fossil).
1828. VARPACHOVSKII (1899). *Sur la faune ichthyologique de la fleur Obi*.
 Ann. Mus. Acad. Imp. St. Petersb.
 NICOLAI ARCADEVICH VARPACHOVSKII.
Oreoleuciscus Varpachovskii, 263; orthotype *CHONDROSTOMA POTANINI* Kessler.
1829. WAITE (1899). *Scientific Results of the Trawling Expedition of H. M. C. C. S. "Thetis." Fishes*. Mem. Austr. Mus., IV, 1-132.
 EDGAR RAVENSWOOD WAITE (1866-).
Paratrachichthys Waite, 64; orthotype *TRACHICHTHYS TRAILLI* Hutton.
Pterygotrigla Waite, 108; orthotype *TRIGLA POLYOMMATA* Rich. Replaces *HOPLONOTUS* Guichenot, preoccupied, apparently same as *OTOHIME* Jordan & Starks of later date.
1830. WILLISTON (1899). *A New Genus of Fishes from the Niobara Cretaceous*.
 Kans. Univ. Quarterly, 1899, VIII, 113-115.
 SAMUEL WENDALL WILLISTON (1852-1918).
Leptecodon Williston, 113; orthotype *L. RECTUS* Williston (fossil).
1831. WOODWARD (1899). *Additional Notes on Some Type Specimens of Cretaceous Fishes from Mount Lebanon in the Edinburgh Museum of Science and Art*. Ann. Mag. Nat. Hist. (7), IV, 317-321.
 ARTHUR SMITH WOODWARD.
Nematonotus Woodward, 318; orthotype *CLUPEA BOTTÆ* Pictet & Humbert (fossil).
1832. WOODWARD (1899). *Note on Some Cretaceous Clupeoid Fishes with Pectinated Scales. (Ctenothrissa and Pseudoberyx.)* Ann. Mag. Nat. Hist. 1899, (7), III, 489-492.
 ARTHUR SMITH WOODWARD.
Ctenothrissa Woodward, 490; orthotype *BERYX VEXILLIFER* Pictet (fossil).
-
- 1900.
1833. BOULENGER (1900). *On Some Little Known African Siluroid Fishes of the Subfamily Doradinae*. Ann. Mag. Nat. Hist. (7), VI, 520-529.
 GEORGE ALBERT BOULENGER.
Euchilichthys Boulenger, 523; logotype *ATOPOCHILUS GUENTHERI* Schilthuis.
Phractura Boulenger, 527; orthotype *PELTURA BOVEI* Perugia. Substitute for *PELTURA* Perugia, regarded as preoccupied by *PELTOURA*, 1840.
Andersonia Boulenger, 528; orthotype *A. LEPTURA* Boulenger.
1834. BOULENGER (1900). *Matériaux pour la faune du Congo. Poissons nouveaux du Congo. Sixième Partie*. Ann. Mus. Congo. Zool., I, 129-164.
 GEORGE ALBERT BOULENGER.
Leptocypris Boulenger, 133; orthotype *L. MODESTUS* Boulenger.
Spathodus Boulenger, 152; orthotype *S. ERYTHRODON* Boulenger.

1835. BRAUER (1900). *Aus der Tiefen des Weltmeeres* (by Prof. Carl Chun). *Schilderung von der deutschen Tiefsee-Expedition*. Jena, 1900, 549 pp.

AUGUST BRAUER.

Megalopharynx Brauer, 521; orthotype *M. LONGICAUDATUS* Brauer.

1836. DELFIN (1900). *Nota del Ictiologia. El nuevo genero Cilus*. Act. Soc. Chili, X, 53-60.

FREDERICO TEOBALDO DELFIN.

Cilus Delfin, 56; orthotype *C. MONTII* Delfin.

1837. DOLLO (1900). *Cryodraco antarcticus, poisson abyssal nouveau, recueilli par l'expédition antractique belge*, etc. Bull. Ac. Belgique, 1900, 128-137.

LOUIS DOLLO (1857-).

Cryodraco Dollo, 129; orthotype *C. ANTARCTICUS* Dollo.

1838. DOLLO (1900). *Gerlachea australis, poisson abyssal nouveau recueilli par l'expédition antarctique belge*, etc. Bull. Ac. Belgique, 1900, 194-206.

LOUIS DOLLO.

Gerlachea Dollo, 195; orthotype *G. AUSTRALIS* Dollo.

1839. DOLLO (1900). *Racovitzia glacialis, poisson abyssal nouveau recueilli par l'expédition antarctique belge*, etc. Bull. Ac. Belgique, 1900, 316-327.

LOUIS DOLLO.

Racovitzia Dollo, 317; orthotype *R. GLACIALIS* Dollo.

1840. EIGENMANN & NORRIS (1900). *Sobre algunos peixes de S. Paulo, Brazil*. Revista Mus. Paulista, IV, 1900, 349-362.

CARL H. EIGENMANN; ALLEN A. NORRIS.

Imparfinis Eigenmann & Norris, 351; orthotype *I. PIPERATUS* Eigenmann & Norris.

Goeldiella Eigenmann & Norris, 353; orthotype *PIMELODUS EQUUS* M. & T.

Iheringichthys Eigenmann & Norris, 354; orthotype *PIMELODUS LABROSUS* Kröyer.

Perugia Eigenmann & Norris, 355; orthotype *PIRINAMPUS AGASSIZI* Steind.

Bergiella Eigenmann & Norris, 355; orthotype *PIMELODUS WESTERMANNI* Reinh.

Catabasis Eigenmann & Norris, 358; orthotype *C. ACUMINATUS* Eigenmann & Norris.

1841. GILBERT (1900). *Results of the Branner-Agassiz Expedition to Brazil. III. The Fishes*. Proc. Wash. Ac., II, 161-184.

CHARLES HENRY GILBERT.

Brannerella Gilbert, 180; orthotype *B. BRASILIENSIS* Gilbert.

1842. JORDAN (1900). *Notes on Recent Fish Literature*. Amer. Naturalist, XXXIV, 897-899.

DAVID STARR JORDAN.

Dolloa Jordan, 897; orthotype *CORYPHLENOIDES LONGIFILIS* Gthr. Substitute for *MOSELEYA* G. & B., preoccupied.

1843. JORDAN & EVERMANN (1900). *The Fishes of North & Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates Found in the Waters of North America, North of the Isthmus of Panama*. Part IV, Bull. U. S. Nat. Mus., No. 47, 3137-3313.

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Orcuta Jordan & Evermann, 3140; orthotype *NOTROPIS ORCA* Woolman. A substitute for *ORCELLA* J. & E., preoccupied in CETACEA.

- Rhegma** (Gilbert) Jordan & Evermann, 3169; orthotype *R. THAUMASIUM* Gilbert.
1844. JORDAN & SNYDER (1900). *A List of Fishes Collected in Japan by Kinosuke Otaki, and by the United States Steamer "Albatross," with Descriptions of Fourteen New Species.* Proc. U. S. Nat. Mus., XXIII, 335-380. (Dec. 20, 1890.)
- DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Otakia** Jordan & Snyder, 345; orthotype *O. RASBORINA* Jordan & Snyder.
- Ischikauia** Jordan & Snyder, 346; orthotype *OPSARIICHTHYS STEENACKERI* Sauvage.
- Konosirus** Jordan & Snyder, 349; orthotype *CHATOËSSUS NASUS* Bloch. A synonym of *CLUPANODON* Lac., as now properly restricted.
- Bryttosus** Jordan & Snyder, 354; orthotype *SERRANUS KAWAMEBARI* T. & S.
- Eteliscus** Jordan & Snyder, 355; orthotype *ETELIS BERYCOIDES* Hilgendorf. Equivalent to *CORUSCULUS* Jordan & Snyder. Both are synonyms of *DOBERLEINIA* Steind.
- Insidiator** Jordan & Snyder, 368; orthotype *PLATYCEPHALUS RUDIS* Gthr. = *PLATYCEPHALUS MEERDERVOORTI* Blkr.
- Trifissus** Jordan & Snyder, 373; orthotype *T. IOTURUS* Jordan & Snyder. A synonym of *TRIDENTIGER* Gill.
- Rhombiscus** Jordan & Snyder, 379; orthotype *RHOMBUS CINNAMOMEUS* T. & S. A synonym of *PSEUDORHOMBUS* Blkr.
- Kareius** Jordan & Snyder, 379; orthotype *PLEURONECTES SCUTIFER* Steind.
- Usinosita** Jordan & Snyder, 380; orthotype *PLAGUSIA JAPONICA* T. & S., misprinted *USINOSTIA*. A synonym of *RHINOPLAGUSIA* Blkr.
- Zebrias** Jordan & Snyder, 380; orthotype *SOLEA ZEBRINA* T. & S.
- Arelicus** Jordan & Snyder, 380; orthotype *SOLEA JOYNERI* Gthr.
1845. KYLE (1900). *On a New Genus of Flat-Fishes from New Zealand.* Proc. Zool. Soc. London, 1900, 986-992.
- HARRY M. KYLE.
- Apsetta** Kyle, 986; orthotype *A. THOMPSONI* Kyle.
1846. LOOMIS (1900). *Die Anatomie und die Verwandtschaft der Ganoid- und Knochen-Fische aus der Kreide-Formation von Kansas, U. S. A.* Palæontogr., XLVI, 213-284.
- FREDERICK BREWSTER LOOMIS (1873-).
- Pseudothyrtodus** Loomis, 225; orthotype *P. INTERMEDIUS* Loomis (fossil).
- Thyrtodus** Loomis, 229; logotype *PLETHODUS ZITTELI* Loomis (fossil). Apparently replaces *ANOGMIUS* Cope, 1877 (*A. ARATUS*), not of 1871 (*A. CONTRACTUS*).
- Syntegomodus** Loomis, 252; orthotype *S. ALTUS* Loomis (fossil).
1847. NIKOLSKII (1900). *Pseudoscaphirhynchus rossikovi n. gen. et spec.* Ann. Mus. St. Petersb., IV, 257-259.
- ALEKSANDR MIKHAILOVICH NIKOLSKII.
- Pseudoscaphirhynchus** Nikolskii, 257; orthotype *P. ROSSIKOWI* Nikolskii = *SCAPHIRHYNCHUS HERMANNI* (Sewertov) Kessler. A synonym of *KESSLERII* Bogdanow.
1848. PELLÉGRIN (1900). *Poissons nouveaux ou rares du Congo Français.* Bull. Mus. Paris, 1900, 175-176, 348-354.
- JACQUES PELLÉGRIN.
- Mesoborus** Pellégrin, 179; orthotype *M. CROCODILUS* Pellégrin.

- Hemistichodus** Pellégrin, 352; orthotype *H. VAILLANTI* Pellégrin. Replaces *MONOSTICHODUS* Vaillant, said to be "nomen nudum."
- Monostichodus** (Vaillant) Pellégrin, 352; orthotype (*HEMISTICHODUS VAILLANTI* Pellégrin). A "nomen nudum" quoted by Pellégrin, said to be synonymous with *HEMISTICHODUS*.
1849. PELLÉGRIN (1900). *Poisson nouveau du lac Baikal*. Bull. Mus. Paris, 1900, 354-356.
JACQUES PELLÉGRIN.
- Cottocomephorus** Pellégrin, 354; orthotype *C. MEGALOPS* Pellégrin.
1850. WAITE (1900). *Additions to the Fish-Fauna of Lord Howe Island*. Rec. Austr. Mus., III, 193-209.
EDGAR RAVENSWOOD WAITE.
- Acanthocaulus** Waite, 206; orthotype *PRIONURUS MICROLEPIDOTUS* Lac. A substitute for *PRIONURUS* Lac., 1804, wrongly supposed to be preoccupied, the date of the latter being assumed as 1830, the time of a reprint.
- Euchilomycterus** Waite, 208; orthotype *E. QUADRATICATUS* Waite.
1851. WILLISTON (1900). *Some Fossil Teeth from the Kansas Cretaceous*. Kansas Quart., VIII, 27-42.
SAMUEL WENDALL WILLISTON.
- Leptostyrax** Williston, 42; orthotype *L. BISCUSPIDATUS* Williston (fossil).
1852. WOODWARD (1900). *On a New Ostracoderm (Euphanerops longævus) from the Upper Devonian of Scaumenac Bay, Province of Quebec, Canada*. Ann. Mag. Nat. Hist. (7), V, 416-419.
ARTHUR SMITH WOODWARD.
- Euphanerops** Woodward, 416; orthotype *E. LONGÆVUS* Woodw. (fossil).
1853. WOODWARD (1900). *Evidence of an Extinct Eel (Urenchelys anglicus) from the Upper Devonian of Scaumenac Bay, Province of Quebec, Canada*. Ann. Mag. Nat. Hist. (7), V, 321-323.
ARTHUR SMITH WOODWARD.
- Urenchelys** Woodward, 322; logotype *ANGUILLA HAKELENSIS* Davis (fossil).
- Prenotacanthus** Woodward, 322; orthotype *ANGUILLA SAHEL-ALME* Davis (fossil).
1854. ZITTEL (1900). *Handbuch der Palæontologie, III*. Pt. XII, 1890.
KARL A. ZITTEL.
- Phlyctænium** Zittel, 159; orthotype *COCCOSTEUS ACADICUS* Whiteaves (fossil). A substitute for *PHLYCTENIUS* Traquair, preoccupied, but *PHLYCTENASPIS* Traquair, 1890, has priority.

 1901.

1855. ABBOTT (1901). *List of Fishes Collected in the River Pêi-Ho at Tien-Tsin, China, by Noah Fields Drake, with Descriptions of Seven New Species*. Proc. U. S. Nat. Mus., XXIII, 483-491. (February 25, 1901.)
JAMES FRANCIS ABBOTT (1876-),
- Culticula** Abbott, 485; orthotype *C. EMMELAS* Abbott.

1856. AMMON (1901). *Ueber eine Tiefbohrung durch den Buntsandstein und die Zechsteinschichten bei Meelrichstadt an der Rhön.* Geogn. Jahrb. München, XIII.

LUDWIG VON AMMON.

Ephippites Von Ammon, 59; orthotype *E. PEISSENBERGIENSIS* Ammon (fossil).

1857. BOULENGER (1901). *Third Contribution to the Ichthyology of Lake Tanganyika. Report on the Collection Made by Mr. J. E. S. Moore in Lake Tanganyika and Kivu during His Second Expedition, 1899-1900.* Trans. Zool. Soc. London, XVI, 137-178.

GEORGE ALBERT BOULENGER.

Gephyrochromis Boulenger, 156; orthotype *G. MOORII* Boulenger.

Asprotilapia Boulenger, 159; orthotype *A. LEPTURA* Boulenger.

1858. BOULENGER (1901). *Diagnosis of New Fishes Discovered by Mr. W. L. S. Loat in the Nile.* Ann. Mag. Nat. Hist. (7), VII, 444-446.

GEORGE ALBERT BOULENGER.

Cromeria Boulenger, 445; orthotype *C. NILOTICA* Boulenger.

Physailia Boulenger, 445; orthotype *P. PELLUCIDA* Boulenger.

1859. BOULENGER (1901). *Notes on the Classification of Teleostean Fishes. I. On the Trachinide and Their Allies.* Ann. Mag. Nat. Hist. (7), VII, 261-271.

GEORGE ALBERT BOULENGER.

Rhyacichthys Boulenger, 267; orthotype *P. ASPRO* Van Hasselt. A substitute for *PLATYPTERA* (Kuhl & Van Hasselt) Cuv. & Val.; preoccupied in files, Meigen, 1803.

1860. BOULENGER (1901). *On the Fishes Collected by Dr. W. J. Ansorge in the Niger Delta.* Proc. Zool. Soc. London, 1901, 4-10.

GEORGE ALBERT BOULENGER.

Polycentropsis Boulenger, 8; orthotype *P. ABBREVIATA* Boulenger.

1861. BOULENGER (1901). *On Some Deep-Sea Fishes Collected by Mr. F. W. Townsend in the Sea of Oman.* Ann. Mag. Nat. Hist. (7), VII, 261-263.

GEORGE ALBERT BOULENGER.

Parascalopsis Boulenger, 262; orthotype *P. TOWNSENDI* Boulenger.

1862. BRAUER (1901). *Ueber einige von der Valdivia-Expedition gesammelte Tiefseefische und ihre Augen.* Sitzber. Ges. Marburg, 1901, 115-130.

AUGUST BRAUER.

Winteria Brauer, 126; orthotype *W. TELESCOPA* Brauer.

Dolichopteryx Brauer, 127; orthotype *D. LONGIPES* Brauer.

Gigantura Brauer, 128; orthotype *G. CHUNI* Brauer.

1863. COLLETT (1901). *Om fem for Norges fauna nye fiske.* Arch. Math. Naturv. Christiania, XXIII, 125.

ROBERT COLLETT.

Bathyalopex Collett, 5; orthotype *CHIMÆRA MIRABILIS* Collett.

- 1863A. DEAN (1901). *Further Notes on the Relationships of the Arthrognathi.* *Paleontological Notes.* Mem. N. Y. Acad. Sci., II, 110 to 123.

BASHFORD DEAN (1867-).

Selenosteus Dean, 110; orthotype *S. KEPLERI* Dean (fossil).

Stenosteus Dean, 110; orthotype *S. GLABERI* Dean (fossil).

1864. EIGENMANN & NORRIS (1901). *Bergiaria*. Comun. Mus. Buenos Aires, 272.

CARL H. EIGENMANN; ALLEN A. NORRIS.

Bergiaria Eigenmann & Norris, 272; orthotype *PIMELODUS WESTERMANNI* Reinh. Substitute for *BERGIELLA* Eigenmann & Norris, preoccupied.

1865. FOWLER (1901). *Description of a New Hemiramphid*. Proc. Acad. Nat. Sci. Phila., 1901, 293-294.

HENRY WEED FOWLER.

Hemiexocetus Fowler, 293; orthotype *H. CAUDIMACULATUS* Fowler.

1866. FOWLER (1901). *Note on the Odontostomidae*. Proc. Acad. Nat. Sci. Phila., 1901, 211-212.

HENRY WEED FOWLER.

Evermanella Fowler, 211; orthotype *ODONTOSTOMUS HYALINUS* Cocco. Substitute for *ODONTOSTOMUS* Cocco, preoccupied in Mollusks. Beck, 1837.

1867. GARMAN (1901). *Genera and Families of Chimæroids*. Proc. New England Zool. Club, II, 75-77.

SAMUEL GARMAN.

Rhinochimæra Garman, 75; orthotype *HARRIOTTA PACIFICA* Mitsukurii.

1868. GILL & TOWNSEND (1901). *The Largest Deep-Sea Fish*. Science (2), XIV, 937-938.

THEODORE NICHOLAS GILL; CHARLES HASKINS TOWNSEND (1859-).

Macrias Gill & Townsend, 937; orthotype *M. AMISSUS* Gill & Townsend.

1869. GREELEY (1901). *Notes on the Tide-Pool Fishes of California, with a Description of Four New Species*. Bull. U. S. Fish Comm., XIX, 7-20.

ARTHUR WHITE GREELEY (1875-1904).

Rusciculus Greeley, 13; orthotype *R. RIMENSIS* Greeley.

Dialarchus Greeley, 14; orthotype *D. SNYDERI* Greeley.

Eximia Greeley, 18; orthotype *E. RUBELLIO* Greeley. Name preoccupied: Karl Jordan, 1894; it may be replaced by the new name *GREELEYA* Jordan, in honor of the very able young naturalist, discoverer of the species.

1870. JENKINS (1901). *Descriptions of Fifteen New Species of Fishes from the Hawaiian Islands*. Bull. U. S. Fish Comm., XIX, 387-407.

OLIVER PEEBLES JENKINS (1850-).

Eumycterias Jenkins, 399; orthotype *E. BITENIATUS* Jenkins. A synonym of *CANTHIGASTER* Sw.

Scaridea Jenkins, 468; orthotype *S. ZONARCHA* Jenkins.

1871. JORDAN & SNYDER (1901). *Descriptions of Three New Species of Fishes from Japan*. Proc. Calif. Acad. Sci. (3), II, 381-386.

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Ereunias Jordan & Snyder, 377; orthotype *E. GRALLATOR* Jordan & Snyder.

Draciscus Jordan & Snyder, 379; orthotype *D. SACHI* Jordan & Snyder.

1872. JORDAN & SNYDER (1901). *List of Fishes Collected in 1883 and 1885 by Pierre Louis Jouy and preserved in the United States National Museum, with Descriptions of Six New Species*. Proc. U. S. Nat. Mus., XXIII, 740-769. (July 21, 1901.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

- Chasmias** Jordan & Snyder, 761; orthotype *C. MISAKIUS* Jordan & Snyder. Name preoccupied, replaced by *CHASMICHTHYS* Jordan & Snyder.
- Watasea** Jordan & Snyder, 765; orthotype *W. SIVICOLA* Jordan & Snyder.
1873. JORDAN & SNYDER (1901). *A Preliminary Check-List of the Fishes of Japan*. Annot. Zool. Jap., III, 31-159.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Corusculus** Jordan & Snyder, 75; orthotype *ANTHIAS BERYCOIDES* Hilgendorf. A synonym of *DOBERLEINIA* Steind., the definition being that of *ETELISCUS* duplicated by accident.
1874. JORDAN & SNYDER (1901). *Descriptions of Nine New Species of Fishes Contained in Museums of Japan*. Journ. Coll. Sci. Tokyo, XV, 301-311.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Bentenia** Jordan & Snyder, 306; orthotype *B. ÆSTICOLA* Jordan & Snyder.
- Ebisus** Jordan & Snyder, 308; orthotype *E. SAGAMIUS* Jordan & Snyder. A synonym of *ERILEPIS* Gill.
1875. JORDAN & SNYDER (1901). *Fishes of Japan*. Am. Nat., XXXV.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Chasmichthys** Jordan & Snyder, 941; orthotype *CHASMIAS MISAKIUS* Jordan & Snyder. Substitute for *CHASMIAS* Jordan & Snyder, preoccupied.
1876. JORDAN & SNYDER (1901). *A Review of the Apodal Fishes of Japan, with Descriptions of Nineteen New Species*. Proc. U. S. Nat. Mus., XXIII, 837-890. (Aug. 28, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Chlevastes** Jordan & Snyder, 867; orthotype *OPHICHTHYS COLUBRINUS* Boddaert.
- Xyrias** Jordan & Snyder, 868; orthotype *X. REVULSUS* Jordan & Snyder.
- Æmasia** Jordan & Snyder, 883; orthotype *Æ. LICHENOSA* Jordan & Snyder.
- Scuticaria** Jordan & Snyder, 886; orthotype *ICHTHYOPHIS TIGRINUS* Lesson.
1877. JORDAN & SNYDER (1901). *A Review of the Gobioid Fishes of Japan, with Descriptions of Twenty-one New Species*. Proc. U. S. Nat. Mus., XXIV, 33-132. (Sept. 25, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Vireosa** Jordan & Snyder, 38; orthotype *V. HANÆ* Jordan & Snyder.
- Hazeus** Jordan & Snyder, 51; orthotype *H. OTAKII* Jordan & Snyder. A synonym of *GNATHOLEPIS* Blkr.
- Chloëa** Jordan & Snyder, 78; orthotype *GOBIOUS CASTANEA* O'Shaughnessy. Not *CHLOEIA* Savigny, 1817, a genus of worms. *CHLOËA* is a personal name.
- Suruga** Jordan & Snyder, 96; orthotype *S. FUNDICOLA* Jordan & Snyder.
- Sagamia** Jordan & Snyder, 100; orthotype *S. RUSSULA* Jordan & Snyder.
- Ainosus** Jordan & Snyder, 109; orthotype *GOBIOUS GENEIONEMA* Hilgendorf.
- Astrabe** Jordan & Snyder, 119; orthotype *A. LACTISELLA* Jordan & Snyder.
- Clariger** Jordan & Snyder, 120; orthotype *C. COSMURUS* Jordan & Snyder.
- Eutæniichthys** Jordan & Snyder, 122; orthotype *E. GILLI* Jordan & Snyder.
1878. JORDAN & SNYDER (1901). *A Review of the Hypostomide and Lophobranchiate Fishes of Japan*. Proc. U. S. Nat. Mus., XXIV, 1-20. (Oct. 1, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Zalises** Jordan & Snyder, 2; orthotype *Z. UMITENGU* Jordan & Snyder. A synonym of *PEGASUS* L.

- YoZIA** Jordan & Snyder, 8; orthotype *Y. WAKANOURÉ* Jordan & Snyder.
1879. JORDAN & SNYDER (1901). *A Review of the Cardinal Fishes of Japan*. Proc. U. S. Nat. Mus., XXIII, 891-913. (Oct. 12, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Telescopias** Jordan & Snyder, 909; orthotype *T. GILBERTI* Jordan & Snyder.
1880. JORDAN & STARKS (1901). *Descriptions of Three New Species of Fishes from Japan*. Proc. Calif. Acad. Sci. (3), II, 381-386.
DAVID STARR JORDAN; EDWIN CHAPIN STARKS (1867-).
- Snyderina** Jordan & Starks, 381; orthotype *S. YAMANOKAMI* Jordan & Starks.
1881. JORDAN & STARKS (1901). *A Review of the Atherine Fishes of Japan*. Proc. U. S. Nat. Mus., XXIV, 198-206. (Oct. 4, 1901.)
DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
- Atherion** Jordan & Starks, 203; orthotype *A. ELYMUS* Jordan & Starks.
- Iso** Jordan & Starks, 204; orthotype *I. FLOS-MARIS* Jordan & Starks. Replaces *TROPIDOSTHETHUS* Ogilby, preoccupied.
1882. LAUBE. (1901). *Synopsis der Wirbelthierfauna der Böhmischn Braun-kokkenformation und Beschreibung neuer, oder bisher unvollständig bekannter Arten*. Prag., 1901, 80 pp.
GUSTAVE CARL LAUBE (1839-).
- Protothymallus** Laube, 23; orthotype *THAUMATURUS LUSATUS* Laube (fossil).
1883. TRAQUAIR (1901). *Notes on the Lower Carboniferous Fishes of Eastern Fifeshire*. Geol. Mag. (2), Dec., IV, VIII, 110-114.
RAMSAY HEATLEY TRAQUAIR.
- Eucentrurus** Traquair, 114; orthotype *E. PARADOXUS* Traquair (fossil).
1884. WELLBURN (1901). *On the Fish Fauna of the Millstone Grits of Great Britain*. Geol. Mag. (2), Dec. IV, 216-222.
EDGAR D. WELLBURN.
- Euctenodopsis** Wellburn, 220; orthotype *E. TENUIS* Wellburn (fossil).
1885. WILLEY (1901). *Dolichorhynchus indicus, a New Acraniate*. Quart. Journ. Micr. Sci. (2), XLIV, 269-271.
ARTHUR WILLEY (1867-).
- Dolichorhynchus** Willey, 269; orthotype *D. INDICUS* Willey.
1886. WOODWARD (1901). *Catalogue of Fossil Fishes in the British Museum Natural Hist.* Part IV, etc., 636 pp.
ARTHUR SMITH WOODWARD.
- Elopides** (Agassiz) Woodward, 23; orthotype *E. COULONI* Ag. (fossil). Printed as name only in *Poissons Fossiles*, V, 1844, 139. A fossil homologue of *ELOPS* L.
- Notelops** Woodward, 27; orthotype *RHACOLEPIS BRAMA* Ag. = *CALAMOPLEURUS CYLINDRICUS* Ag. (fossil). A synonym of *CALAMOPLEURUS* Ag.
- Esocelops** Woodward, 46; orthotype *EURYGNATHUS CAVIFRONS* Ag. (fossil). A substitute for *EURYGNATHUS* Ag., preoccupied.
- Chanoides** Woodward, 63; orthotype *CLUPEA MACROPOMA* Ag. (fossil).
- Brychætus** Woodward, 76; orthotype *B. MUELLERI* Woodw. (fossil). Name only in 1845; validated in 1901.
- Histiothrissa** Woodward, 131; orthotype *SARDINIUS MACRODACTYLUS* Von der Marck (fossil).

- Halecopsis** Woodward, 133; orthotype *OSMEROIDES INSIGNIS* Delvaux & Ortlieb (fossil).
- Apateodus** Woodward, 258; orthotype *PACHYRHIZODUS GLYPHODUS* Blake (fossil).
- Pachylebias** Woodward, 294; orthotype *LEBIAS CRASSICAUDATUS* Ag. (fossil).
- Rhynchorhinus** (Agassiz) Woodward, 342; orthotype *R. BRANCHIALIS* Ag. (fossil).
Name printed without explanation in 1844.
- Protaulopsis** Woodward, 371; orthotype *P. BOLCENSIS* Woodward (fossil).
- Dinopteryx** Woodward, 406; orthotype *HOPLOPTERYX SPINOSUS* Davis (fossil).
- Isurichthys** Woodward, 453; logotype *ISURUS MACRURUS* Ag. (fossil). Name a substitute for *ISURUS* Ag., preoccupied.
- Eothyunnus** Woodward, 457; orthotype *CŒLOCEPHALUS SALMONEUS* Ag. (fossil).
Name a substitute for *CŒLOCEPHALUS* Ag., undefined and preoccupied by Clark, 1860, in *COLEOPTERA*.
- Phalacrus** (Agassiz) Woodward, 458; orthotype *P. CYBIOIDES* Ag. (fossil). Note on type specimen. A synonym of *EOTHYNNUS* Woodward.
- Cariniceps** (Owen) Woodward, 458; orthotype *C. COMPRESSUS* Owen (fossil). Note on type specimen. A synonym of *EOTHYNNUS* Woodw.
- Rhonchus** (Agassiz) Woodward, 458; orthotype *R. CARANGOIDES* Ag. (fossil).
Note on type specimen. A synonym of *EOTHYNNUS* Woodw.
- Scombrinus** (Agassiz) Woodward, 461; orthotype *S. NUCHALIS* Ag. (fossil). Validation of a nomen nudum printed in 1845.
- Eocœlopoma** Woodward, 470; orthotype *E. COLEI* Woodw. (fossil).
- Scombramphodon** Woodward, 474; orthotype *AMPHODON BENEDENI* Storms (fossil).
Replaces *AMPHODON* Storms, 1887, regarded as preoccupied by *AMPHODUS* Peters, 1872.
- Acestrus** (Agassiz) Woodward, 494; orthotype *A. ORNATUS* Woodw. (fossil). Nomen nudum as printed in 1845, validated in 1901; perhaps to be regarded as preoccupied by *ACESTRA* Jardine, 1831.
- Auchenilabrus** (Agassiz) Woodward, 552; orthotype *A. FRONTALIS* Ag. Name only, reprinted from Agassiz, 1845, 308, when it is also nomen nudum.
- Eocottus** Woodward, 580; orthotype *GOBIUS VERONENSIS* Volta (fossil).

 1902.

1837. BOULENGER (1902). *Report on the Collection of Natural History Made in the Antarctic Regions during the Voyage of the "Southern Cross."* Pisces, London, 174-189.

GEORGE ALBERT BOULENGER.

- Pleuragramma** Boulenger, 187; orthotype *P. ANTARCTICUM* Boulenger. Not *PLEUROGRAMMUS* Gill.

1888. BOULENGER (1902). *Additions à la faune ichthyologique du Bassin du Congo.* Ann. Mus. Cong. Zool., II, 19-57.

GEORGE ALBERT BOULENGER.

- Microthrissa** Boulenger, 26; orthotype *M. ROYAUXI* Boulenger.
- Leptoglanis** Boulenger, 42; orthotype *L. XENOGNATHUS* Boulenger.
- Paraphractura** Boulenger, 47; orthotype *P. TENUICAUDA* Boulenger.
- Trachyglanis** Boulenger, 48; orthotype *T. MINUTUS* Boulenger.
- Belonoglanis** Boulenger, 50; orthotype *B. TENUIS* Boulenger.

1889. BOULENGER (1902). *Descriptions of New Characinid Fish Discovered by Dr. W. J. Ansorge in Southern Nigeria*. Ann. Mag. Nat. Hist. (7), IX, 144-145.

GEORGE ALBERT BOULENGER.

Citharidium Boulenger, 144; orthotype *C. ANSORGII* Boulenger.

1890. BOULENGER (1902). *Description of a New Deep-Sea Gadid Fish from South Africa*. Ann. Mag. Nat. Hist. (7), IX, 335-336.

GEORGE ALBERT BOULENGER.

Tripterophycis Boulenger, 335; orthotype *T. GILCHRISTI* Boulenger.

1891. BOULENGER (1902). *Notes on the Classification of Teleostean Fishes*. Ann. Mag. Nat. Hist. (7), IX, 197-204.

GEORGE ALBERT BOULENGER.

Geophyroberyx Boulenger, 203; orthotype *TRACHICHTHYS DARWINI* Johnston.

1892. BOULENGER (1902). *Description of a New South-African Galeid Sc-lachian*. Ann. Mus. Nat. Hist. (7), X, 52-63.

GEORGE ALBERT BOULENGER.

Scylliogaleus Boulenger, 51; orthotype *S. QUECKETTI* Boulenger.

1893. BOULENGER (1902). *Diagnoses of New Cichlid Fishes Discovered by Mr. J. E. S. Moore in Lake Njassa*. Ann. Mag. Nat. Hist. (7), 69-71.

GEORGE ALBERT BOULENGER.

Hemitylapia Boulenger, 70; orthotype *H. OXYRHYNCHUS* Boulenger.

Cyrtocara Boulenger, 70; orthotype *C. MOORI* Boulenger.

1894. BOULENGER (1902). *On the Genus Ateleopus of Schlegel*. Ann. Mag. Nat. Hist. (7), X, 402-403.

GEORGE ALBERT BOULENGER.

Podateles Boulenger, 403; orthotype *ATELEOPUS JAPONICUS* Blkr. Substitute for *ATELEOPUS* T. & S., regarded as preoccupied by *ATELOPUS* Duméril & Bibron, a genus of reptiles.

1895. BOULENGER (1902). *Contributions to the ichthyology of the Congo*. Proc. Zool. Soc. London, 1902, 234-237.

GEORGE ALBERT BOULENGER.

Allabenchelys Boulenger, 234; orthotype *A. LONGICAUDA* Boulenger.

Chilochromis Boulenger, 236; orthotype *C. DUPONTI* Boulenger.

1896. BRAUER (1902). *Diagnosen von neuen Tiefseefischen welche von der Valdivia-Expedition gesammelt sind*. Zool. Anz., XXV, 277-298.

AUGUST BRAUER.

Dissomma Brauer, 278; orthotype *D. ANALE* Brauer.

Triplophos Brauer, 282; orthotype *T. ELONGATUS* Brauer.

Macrostomias Brauer, 283; orthotype *M. LONGIBARBATUS* Brauer.

Melanostomias Brauer, 284; orthotype *M. VALDIVIÆ* Brauer.

Bathylynchus Brauer, 289; orthotype *B. CYNÆUS* Brauer.

Macropharynx Brauer, 290; orthotype *M. LONGICAUDATUS* Brauer. Called *MEGALOPHARYNX* by Brauer in 1900.

Cœlophrys Brauer, 291; orthotype *C. BREVICAUDATA* Brauer.

Gigantactis Brauer, 295; orthotype *G. VANHOEFFENI* Brauer.

Aceratias Brauer, 296; logotype *A. MACRORHYNCHUS* Brauer.

Stylophthalmus Brauer, 298; orthotype *S. PARADOXUS* Brauer.

1897. EASTMAN (1902). *On Campyloprion, a New Form of Edestus-like Dentition*. Geol. Mag. (8), IX, 148-152.
CHARLES ROCHESTER EASTMAN.
Campyloprion Eastman, 151; orthotype *C. ANNECTENS* Eastman (fossil). Shark, locality unknown.
1898. FRITSCH & BAYER (1902). *Nové Ryby Ceskeho útvaru Krédového*. Ceska Ak. Preze, II, 1-18.
ANTON FRITSCH; EDWIN BAYER.
Schizospondylus Fritsch & Bayer, 8; orthotype *S. DUBIUS* Fritsch & Bayer.
Parelops Fritsch & Bayer, 13; orthotype *P. PARAZAKII* Fritsch & Bayer (fossil).
1899. GILCHRIST (1902). *South African Fishes*. Marine Investigations in South Africa, II, 101-113.
J. D. F. GILCHRIST.
Choridactylodes Gilchrist, 101; orthotype *C. NATALENSIS* Gilchrist.
Melanosoma Gilchrist, 106; orthotype *M. ACUTICAUDATUM* Gilchrist.
Paralichthodes Gilchrist, 108; orthotype *P. ALGOENSIS* Gilchrist.
1900. GRACIANOV (1902). *Die Ichthyo-fauna des Baikalsees; Dnezn*. Zool. Otd. Obsc. Liub. Jest. Moska, III, 18-61. (In Russian.)
VALERIAN GRACIANOV.
Procottus Gracianov (Gratzianov), 41; orthotype *COTTUS JEITTELESI* Dybowski.
1901. GÜNTHER (1902). *Third Notice of New Species of Fishes from Morocco*. Novitat. Zool. (Tring.), IX, 446-448.
ALBERT GÜNTHER.
Pterocapoeta Günther, 446; orthotype *P. MAROCCANA* Gthr.
1902. GÜNTHER (1902). *Last Account of Fishes Collected by Mr. R. B. N. Walker, on the Gold Coast*. Proc. Zool. Soc. London, 1902, II, 330-339.
ALBERT GÜNTHER.
Notoglanidium Günther, 336; orthotype *N. WALKERI* Gthr.
1903. JORDAN & EVERMANN (1902). *Notes on a Collection of Fishes from the Island of Formosa*. Proc. U. S. Nat. Mus., XXV, 315-368. (Sept. 24, 1902.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
Zacco Jordan & Evermann, 322; orthotype *LEUCISCUS PLATYPUS* T. & S.
Evenchelys Jordan & Evermann, 327; orthotype *GYMNOTHORAX MACRURUS* Bloch. Same as *THYRSOIDEA* Kaup, as restricted by Blecker, but by tautonomy Kaup's genus *THYRSOIDEA* must have *MURENA THYRSOIDEA* Rich., as type.
1904. JORDAN & FOWLER (1902). *A Review of the Trigger-Fishes, Filc-Fishes, and Trunk-Fishes of Japan*. Proc. U. S. Nat. Mus., XXV, 251-286. (Sept. 17, 1902.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
Rudarius Jordan & Fowler, 270; orthotype *R. ERCODES* Jordan & Fowler.
Lactoria Jordan & Fowler, 278; orthotype *OSTRACION CORNUTUS* L.
1905. JORDAN & FOWLER (1902). *A Review of the Cling-Fishes (Gobiosocida) of the Waters of Japan*. Proc. U. S. Nat. Mus., XXV. (Sept. 19, 1902.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
Aspasma Jordan & Fowler, 414; orthotype *LEPADOGASTER MINIMUS* Döderlein.

1906. JORDAN & FOWLER (1902). *A Review of the Ophidioid Fishes of Japan*. Proc. U. S. Nat. Mus., XXV, 743-786. (Dec. 2, 1902.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Heirichthys Jordan & Fowler, 744; orthotype *H. ENCRYPTES* Jordan & Fowler. A synonym of *CONGROGADUS* Gthr.

1907. JORDAN & SNYDER (1903). *A Review of the Discobolous Fishes of Japan*. Proc. U. S. Nat. Mus., XXIV, 343-51. (Feb. 10, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Crystallias Jordan & Snyder, 349; orthotype *C. MATSUSHIME* Jordan & Snyder.

1908. JORDAN & SNYDER (1902). *A Review of the Trachinoid Fishes and Their Supposed Allies found in the Waters of Japan*. Proc. U. S. Nat. Mus., XXIV, 461-497. (Mar. 28, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Pteropsaron Jordan & Snyder, 470; orthotype *P. EVOLANS* Jordan & Snyder.

Ariscopopus Jordan & Snyder, 479; orthotype *A. IBURIUS* Jordan & Snyder.

Stalix Jordan & Snyder, 495; orthotype *S. HISTRIO* Jordan & Snyder.

1909. JORDAN & SNYDER (1902). *A Review of the Labroid Fishes and Related Forms found in the Waters of Japan*. Proc. U. S. Nat. Mus., XXV, 595-662. (May 2, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Verreo Jordan & Snyder, 619; orthotype *COSSYPHUS OXYCEPHALUS* Blkr.

Ampheces Jordan & Snyder, 628; orthotype *ANAMPSES GEOGRAPHICUS* Cuv. & Val.

1910. JORDAN & SNYDER (1902). *Description of Two New Species of Squaloid Sharks from Japan*. Proc. U. S. Nat. Mus., XXV, 79-81. (Sept. 2, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Deania Jordan & Snyder, 80; orthotype *D. EGLANTINA* Jordan & Snyder, regarded by Garman as a synonym of *ACANTHIDIUM* Lowe, but the logotype of that genus, as first restricted is an *ETMOPTERUS*. Not *DEANEA*, 1875, a genus of PROTOZOA, the name of the fish genus of different origin, being dedicated to Bashford Dean.

1911. JORDAN & SNYDER (1902). *A Review of the Blennioid Fishes of Japan*. Proc. U. S. Nat. Mus., XXV, 441-504. (Sept. 26, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Zacalles Jordan & Snyder, 448; orthotype *Z. BRYOPE* Jordan & Snyder; name pre-occupied, replaced by *CALLIBLENNIUS* Barbour.

Azuma Jordan & Snyder, 463; orthotype *A. EMMION* Jordan & Snyder.

Zoarchias Jordan & Snyder, 480; orthotype *Z. VENEFICUS* Jordan & Snyder.

Abryoiois Jordan & Snyder, 486; orthotype *A. AZUME* Jordan & Snyder.

1912. JORDAN & SNYDER (1902). *On Certain Species of Fishes Confused with *Bryostemma polyactoecephalum**. Proc. Nat. Mus., XXV. (Nov. 5, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Bryolophus Jordan & Snyder, 618; orthotype *B. LYSIMUS* Jordan & Snyder.

1913. JORDAN & STARKS (1902). *A Review of the Hemibranchiate Fishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 57-73. (Dec. 2, 1902.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Æoliscus Jordan & Starks, 71; orthotype *AMPHISILE STRIGATA* Gthr.

1914. LAMBE (1902). *New Genera and Species from the Belly River Series (Mid-Cretaceous)*. Contr. Canad. Pal., III, 25-81.
LAWRENCE M. LAMBE.
Diphyodus Lambe, 30; orthotype *D. LONGIROSTRIS* Lambe (fossil).
1915. MEEK (1902). *A Contribution to the Ichthyology of Mexico*. Field Mus. Zool., III, 63-128.
SETH EUGENE MEEK.
Zoogoneticus Meek, 91; logotype *Z. DIAZI* Meek.
Chapalichthys Meek, 97; orthotype *CHARACODON ENCAUSTUS* Jordan & Snyder.
Skiffia Meek, 102; orthotype *S. LERMÆ* Meek.
Melaniris Meek, 117; orthotype *M. BALSANUS* Meek. A synonym of *THYRINA* Jordan & Culver.
1916. POPTA (1902). *Notes from the Leyden Museum*.
CANNA M. L. POPTA.
Paracrossochilus Popta, 200; orthotype *P. BICORNIS* Popta = *CROSSOCHILUS VITTATUS* Boulenger.
1917. RIBEIRO (1902). *Oito especies de peixes do Rio Pomba*. Bol. Soc. Nac. Agric., Rio de Janeiro.
ALÍPIO DE MIRANDA RIBEIRO.
Platycephalus Ribeiro, 7; type *SCLÆNA UNDECIMALIS* Bloch. A preoccupied name substituted for *CENTROPOMUS* Lac. "in accordance with the laws of priority."
1918. ROHON (1902). *Beiträge zur Anatomie und Histologie der Psammosteiden*. Sitzber. Böhmisch. Ges., 1901, No. XVI, 1-31.
JOSEF VICTOR ROHON.
Ganosteus Rohon, 36; logotype *G. TUBERCULATUS* Rohon.
1919. SMITH (1902). *The Smallest Known Vertebrate*. Science (2), XV, 30-31.
HUGH McCORMICK SMITH (1865-).
Mistichthys Smith, 30; orthotype *M. LUZONENSIS* Smith.
1920. SMITH (1902). *Description of a New Species of Blenny from Japan*. Bull. U. S. Fish Comm., XXI, 93-94.
HUGH McCORMICK SMITH.
Eulophias Smith, 93; orthotype *E. TANNERI* Smith.
1921. STEINDACHNER (1902). *Ueber zwei neue Fischarten aus dem Rothen Meere*. Anz. Ak. Wiss., XXXIX, 336-338.
FRANZ STEINDACHNER.
Beanea Steindachner, 337; orthotype *B. TRIVITTATA* Steind.
1922. VAILLANT (1902). *Résultats zoologiques de l'expédition scientifique Néerlandaise au Bornéo central*. Notes Leyden Mus., XXIV, 1-166.
LÉON VAILLANT.
Pseudolais Vaillant, 51; orthotype *P. TETRANEMA* Vaillant.
Sosia Vaillant, 81; orthotype *S. CHAMÆLEON* Vaillant.
Gyrinochilus Vaillant, 107; orthotype *G. PUSTULOSUS* Vaillant.
Parhomaloptera Vaillant, 129; orthotype *P. OBSCURA* Vaillant.
Ellopostoma Vaillant, 145; orthotype *APERIOPTUS MEGALOMYCTER* Vaillant.

1923. WAITE (1902). *Notes on Fishes from Western Australia*. Rec. Austral. Mus., IV, 179-194.
EDGAR RAVENSWOOD WAITE (1866-).
- Hypnarce** Waite, 180; orthotype HYPNOS SUBNIGRUM Duméril. Substitute for HYPNOS Duméril, preoccupied.
- Gilbertella** Waite, 182; orthotype SERRANUS ARMATUS Castelnau. A synonym of EPINEPHELIDES Ogilby.
1924. WEBER (1902). *Siboga Expeditie. Introduction et description de l'Expédition*. Leiden, 1902, 159 pp.
MAX (CARL WILHELM) WEBER (1852-).
- Photoblepharon** Weber, 108; orthotype SPARUS PALPEBRATUS Boddaert.
1925. WELLBURN (1902). *On the Fish Fauna of the Pendleside Limestones*. Proc. Yorkshire Geol. and Polytechnic Soc. New Series, XIV, 465-473.
EDGAR D. WELLBURN.
- Marsdenius** Wellburn, 466; orthotype M. SUMMITI Wellburn (fossil DIPLACANTHID: Carboniferous).
- 1926-1927. WOODWARD (1902). *The Fossil Fishes of the English Chalk*. I. Palæontogr. Soc., 1902, 1-56.
ARTHUR SMITH WOODWARD.
- Trachichthyoides** Woodward, 29; orthotype T. ORNATUS Woodw. (fossil).

 1903.

1928. BERG (1903). *On the Taxonomy of the Cottidæ from Lake Baikal* (Russian text). Ann. Mus. Zool. St. Petersb., VIII, 99-114.
LEW SEMENOWITCH BERG.
- Baicalocottus** Berg, 100; orthotype COTTUS GREWINGKI Dybowski. A synonym of COTTOCOMEPHORUS Pellégrin.
- Batrachocottus** Berg, 109; orthotype COTTUS BAIKALENSIS Dybowski.
1929. BOULENGER (1903). *On the Fishes Collected by Mr. G. L. Bates in Southern Cameroon*. Proc. Zool. Soc. London, 1903, I, 21-29.
GEORGE ALBERT BOULENGER.
- Microsynodontis** Boulenger, 26; orthotype M. BATESII Boulenger.
1930. BOULENGER (1903). *Descriptions of Two New Deep-Sea Fishes from South Africa*. Rept. Govt. Biologist Cape of Good Hope, 66-68.
GEORGE ALBERT BOULENGER.
- Tripterophycis** Boulenger, 66; orthotype T. GULCHRISTI Boulenger.
1931. EIGENMANN (1903). *The Fresh-Water Fishes of Western Cuba*. Bull. U. S. Fish Comm. for 1902, 211-236 (1903).
CARL H. EIGENMANN.
- Toxus** Eigenmann, 226; orthotype T. RIDDLEI Eigenmann.
1932. EIGENMANN (1903). *New Genera of South American Fresh-Water Fishes and New Names for Old Genera*. Smithson. Collec. XLV, 114-148. (Dec. 19, 1903.)

CARL H. EIGENMANN.

- Lahiliella** Eigenmann, 144; orthotype ANASTOMUS NASUTUS Kner.
Anisistia Eigenmann, 144; orthotype ANODUS NOTATUS Schomburgk.
Holoshesthes Eigenmann, 144; orthotype CHIRODON PEQUIRA Steind. Later corrected to HOLESTHES, but the first spelling should apparently hold.
Moenkhausia Eigenmann, 145; orthotype TETRAGONOPTERUS XINGUENSIS Steind.
Markiana Eigenmann, 145; orthotype TETRAGONOPTERUS NIGRIPINNIS Perugia.
Othonophanes Eigenmann, 145; orthotype BRYCON LABIATUS Eigenmann. Misprinted ORTHOPHANES in the Zoological Record; also misprinted as ORTHONOPHANES.
Holopron Eigenmann, 145; orthotype CHIRODON AGASSIZI Steind. A synonym of APHYOCHARAX Gthr.
Holopristis Eigenmann, 145; orthotype TETRAGONOPTERUS OCELLIFER Steind.
Stichonodon Eigenmann, 145; orthotype LUETKENIA INSIGNIS Steind. Substitute for LUETKENIA Steind., preoccupied.
Bryconodon Eigenmann, 146; orthotype BRYCON ORTHOLENIA Gthr.
Acestrorhynchus Eigenmann, 146; orthotype SALMO FALCATUS Bloch. A substitute for XIPHORHYNCHUS Ag. and XIPHORHAMPHUS M. & T., both names preoccupied.
Acestrorhamphus Eigenmann, 146; orthotype HYDROCYON HEPSETUS Cuv.
Acestrocephalus Eigenmann, 146; orthotype XIPHORHAMPHUS ANOMALUS Steind.
Evermannella Eigenmann, 146; orthotype CYNOPOTAMUS BISERIALIS Garman. Name preoccupied; replaced by EUCYNOPOTAMUS Fowler, 1904.
Gilbertella Eigenmann, 147; orthotype ANACYRTUS ALATUS Steind., preoccupied by Waite, 1902; replaced by GILBERTOLUS Eigenmann & Ogle.
Myleocollops Eigenmann, 147; orthotype METYNNIS GOELDII Eigenmann.
Acnodon Eigenmann, 147; orthotype MYLEUS OLIGACANTHUS M. & T.
Boulengerella Eigenmann, 147; orthotype XIPHOSTOMA LATERISTRIGA Boulenger.
Mylossoma Eigenmann, 148; orthotype MYLETES ALBISCOPIUS Cope.
Colossoma Eigenmann, 148; orthotype MYLETES OCLUSUS Cope.
Orthomyleus Eigenmann, 148; orthotype MYLETES ELLIPTICUS Gthr.
Piaractus Eigenmann, 148; orthotype MYLETES BRACHYPOMIUS Cuv.

1933. EIGENMANN & KENNEDY (1903). *On a Collection of Fishes from Paraguay, with a Synopsis of the American Genera of Cichlids*. Proc. Acad. Nat. Sci. Phila., 1903, 497-537. (Sept. 4, 1903.)

CARL H. EIGENMANN; CLARENCE HAMILTON KENNEDY.

- Biotæcus** Eigenmann & Kennedy, 533; orthotype SARACA OPERCULARIS Steind. A substitute for SARACA Steind., said to be preoccupied.
Biotodoma Eigenmann & Kennedy, 533; orthotype B. TRIFASCIATUS Eigenmann & Kennedy.

1934. FOWLER (1903). *Descriptions of Several Fishes from Zanzibar Island, Two of Which Are New*. Proc. Acad. Sci. Phila., LV, 161-176. (June 4, 1903.)

HENRY WEED FOWLER.

- Graviceps** Fowler, 170; orthotype PETROSCIRTES ELEGANS Steind.

1935. FOWLER (1903). *New and Little Known Mugilidæ and Sphyranidæ*. Proc. Acad. Nat. Sci. Phila., 1903, 743-752. (Dec. 16, 1903.)

HENRY WEED FOWLER.

- Œdalechilus** Fowler, 748; orthotype AGONOSTOMA MONTICOLA (Griffith).
Agriosphyraena Fowler, 749; orthotype SPHYRÆNA BARRACUDA Walbaum.

1936. FOWLER (1903). *Descriptions of New, Little Known, and Typical Atherinidae*. Proc. Acad. Nat. Sci. Phila., 1903. 727-742. (Dec. 16, 1903.)

HENRY WEED FOWLER.

Atherinomorus Fowler, 730; orthotype *ATHERINA LATICEPS* Poey. A synonym of *HEPSETIA* Bon.

Ischnomembras Fowler, 730; orthotype *I. GABUNENSIS* Fowler. A synonym of *MENIDIA* Bon.

Phoxargyrea Fowler, 732; orthotype *P. DAYI* Fowler. Apparently a synonym of *MENIDIA* Bon.

1937. GILL (1903). *Note on the Fish Genera Named Macrodon*. Proc. U. S. Mus., XXVI, 1015-1016

THEODORE NICHOLAS GILL.

Hoplias Gill, 1016; orthotype *MACRODON TAREIRA* Müller. A substitute for *MACRODON* Müller, preoccupied.

1938. GILCHRIST (1903). *Descriptions of New South African Fishes*. Marine Invest. S. Africa, II, 203-211.

J. D. F. GILCHRIST.

Cyttosoma Gilchrist, 113; orthotype *C. LOOPS* Gilchrist.

Trachichthodes Gilchrist, 203; orthotype *BERYX AFFINIS* Gthr. Replaces *AUSTROBERYX* McCulloch.

Læmonemodus Gilchrist, 208; orthotype *L. COMPRESSICAUDA* Gilchrist.

Selachophidium Gilchrist, 209; orthotype *S. GUENTHERI* Gilchrist.

1939. HAY (1903). *On a Collection of Upper Cretaceous Fishes from the Mount Lebanon, Syria, with Descriptions of Four New Genera and Nineteen New Species*. Bull. Amer. Mus., XIX, 395-452.

OLIVER PERRY HAY.

Stenopropoma Hay, 407; orthotype *S. HAMATA* Hay (fossil) (*BELONORHYNCHIDÆ*).

Eubiodectes Hay, 415; orthotype *CHIROCENTRITES LIBANICUS* Pictet & Humbert (fossil).

Anguillavus Hay, 436; orthotype *A. QUADRIPINNIS* Hay (fossil cel).

Enchelion Hay, 441; orthotype *E. MONTIUM* Hay (fossil).

1940. HELLER & SNODGRASS (1903). *Papers from the Hopkins-Stanford Galapagos Expedition, 1898-1899. XI. New Fishes*. Proc. Washington Acad., V, 189-229.

EDMUND HELLER (1875-); ROBERT EVANS SNODGRASS (1875-).

Evolantia Heller & Snodgrass, 189; orthotype *EXOCETUS MICROPTERUS* Cuv. & Val.

Galeagra Heller & Snodgrass, 193; orthotype *G. PAMELAS* Heller & Snodgrass.

Nexilosus Heller & Snodgrass, 204; orthotype *N. ALBEMARLEUS* Heller & Snodgrass.

Petrotyx Heller & Snodgrass, 222; orthotype *P. HOPKINSI* Heller & Snodgrass.

Eutyx Heller & Snodgrass, 224; orthotype *E. DIAGRAMMUS* Heller & Snodgrass.

Allector Heller & Snodgrass, 228; orthotype *A. CHELONIE* Heller & Snodgrass.

1941. JAEKEL (1903). *Ueber die Epiphyse und Hypophyse*. SB. Ges. Naturf. Berlin, 1903, 27-58.

OTTO JAEKEL.

Pachyosteus Jaekel, 39; orthotype *P. BULLA* Jaekel (fossil).

1942. JAEKEL (1903). *Ueber Ramphodus . . . einen neuen devonischen Holocephalen von Wildungen*. Sitzb. Ges. Naturf. Freunde. Berlin, 383-393.

OTTO JAEKEL.

- Ramphodus** Jackel, 383; orthotype Name preoccupied as RHAMPHODUS. A synonym of RHYNCHODUS.
1943. JENKINS (1903). *Report on the Collection of Fishes Made in the Hawaiian Islands, with Descriptions of New Species*. Bull. U. S. Fish Comm., XXII, for 1902, 415-516. (Sept. 23, 1903.)
OLIVER PEEBLES JENKINS.
- Cirrhitoidea** Jenkins, 489; orthotype C. BIMACULA Jenkins.
- Chlamydes** Jenkins, 503; orthotype C. LATICEPS Jenkins.
- Eviota** Jenkins, 542; orthotype E. EPIPHANES Jenkins.
1944. JORDAN (1903). *Supplementary Note on Bleekeria mitsukurii and on Certain Japanese Fishes*. Proc. U. S. Nat. Mus., XXVI, 693-696. (Apr. 9, 1903.)
DAVID STARR JORDAN.
- Embolichthys** Jordan, 693; orthotype BLEEKERIA MITSUKURII J. & E.
- Zen** Jordan, 694; orthotype CYTTOPSIS ITEA Jordan & Fowler.
- Chasmichthys** Jordan, 696; orthotype CHASMIAS MISAKIUS Jordan & Snyder. Substitute for SACCOSTOMA Sauvage and for CHASMIAS Jordan & Snyder, both names preoccupied.
1945. JORDAN (1903). *Generic Names of Fishes* (correspondence). Amer. Nat., XXXVII, 360.
DAVID STARR JORDAN.
- Falcularius** Jordan & Snyder, 360; orthotype FALCULA CHAPALÆ Jordan & Snyder. Name a substitute for FALCULA Jordan & Snyder, preoccupied.
- Xeneretmus** (Gilbert) Jordan, 360; orthotype XENOCHIRUS TRIACANTHUS Gilbert. Name a substitute for XENOCHIRUS Gilbert, preoccupied.
1946. JORDAN & EVERMANN (1903). *Descriptions of New Genera and Species of Fishes from the Hawaiian Islands*. Bull. U. S. Fish Comm. for 1902, XXII, 161-208. (Apr. 11, 1903.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Fowleria** Jordan & Evermann, 180; orthotype APOGON AURITUS Blkr.
- Bowersia** Jordan & Evermann, 182; orthotype B. VIOLESCENS J. & E.
- Verriculus** Jordan & Evermann, 191; orthotype V. SANGUINEUS J. & E.
- Quisquilius** Jordan & Evermann, 203; orthotype Q. EUGENIUS J. & E.
- Vittraria** Jordan & Evermann, 205; orthotype V. CLARESCENS J. & E.
- Osurus** Jordan & Evermann, 206; orthotype PARAPERCIUS SCHAUINSLANDI Steind.
1947. JORDAN & EVERMANN (1903). *Description of a New Genus and Two New Species of Fishes from the Hawaiian Islands*. Bull. U. S. Fish Comm., XXII, for 1902, 209-210. (April 11, 1903.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Iracundus** Jordan & Evermann, 209; orthotype I. SIGNIFER J. & E.
1948. JORDAN & FOWLER (1903). *A Review of the Elasmobranchiate Fishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 593-674. (March 30, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
- Zameus** Jordan & Fowler, 632; orthotype CENTROPHORUS SQUAMULOSUS Gthr. A synonym of SCYMNODON Bocage & Capello.
1949. JORDAN & FOWLER (1903). *A Review of the Cobitidæ, or Loaches, of the Rivers of Japan*. Proc. U. S. Nat. Mus., XXVI, 765-774. (April 3, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.

- Elxis** Jordan & Fowler, 768; orthotype *E. NIKKONIS* Jordan & Fowler. A synonym of *LEFUA* Herzenstein.
- Orthrias** Jordan & Fowler, 769; orthotype *O. OREAS* Jordan & Fowler. A synonym of *OREIAS* Sauvage and probably also of *BARBATULA* Linck.
1950. JORDAN & FOWLER (1903). *A Review of the Dragonets (Callionymidæ) and Related Fishes of the Waters of Japan*. Proc. U. S. Nat. Mus., XXV, 939-959. (May 3, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
- Draconetta** Jordan & Fowler, 939; orthotype *D. XENICA* Jordan & Fowler.
- Calliurichthys** Jordan & Fowler, 941; orthotype *CALLIONYMUS JAPONICUS* Houttuyn.
1951. JORDAN & FOWLER (1903). *A Review of the Cyprinoid Fishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 811-862. (July 6, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
- Abbottina** Jordan & Fowler, 835; orthotype *A. PSEGMA* Jordan & Fowler.
- Zezera** Jordan & Fowler, 837; orthotype *SARCOCHILICHTHYS HILGENDORFI* Ishikawa.
- Biwia** Jordan & Fowler, 838; orthotype *PSEUDOGOPIO ZEZEZA* Ishikawa.
1952. JORDAN & FOWLER (1903). *A Review of the Siluroid Fishes, or Catfishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 897-911. (July 7, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
- Fluvidraco** Jordan & Fowler, 904; orthotype *PSEUDOBAGRUS RANSONNETI* Steind.
1953. LAHILLE (1903). *Nota sobre un genera nuevo de Escombrido*. An. Mus. Buenos Aires (3), II, 1903, 375-376.
FERNANDO LAHILLE.
- Chenogaster** Lahille, 375; orthotype *C. HOLMBERGI* Lahille.
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CHARLES TATE REGAN.
- Mylacrodon** Regan, 62; orthotype *M. GOELDII* Regan.
1955. REGAN (1903). *A Revision of the Fishes of the Family Lophiidae*. Ann. Mag. Nat. Hist., XI.
CHARLES TATE REGAN.
- Chirolophius** Regan, 279; orthotype *LOPHIUS NARESI* Gthr. A synonym of *LOPHIODES* G. & B. (1895).
1956. REGAN (1903). *On the Systematic Position and Classification of the Gadoid or Anacanthine Fishes*. Ann. Mag. Nat. Hist. (7), XI, 459-466.
CHARLES TATE REGAN.
- Gadomus** Regan, 459; orthotype *BATHYGADUS LONGIFILIS* G. & B.
- Melanobranchus** Regan, 459; orthotype *BATHYGADUS MELANBRANCHUS* Vaillant.
1957. REGAN (1903). *On the Genus Lichia of Cuvier*. Ann. Mag. Nat. Hist. (7), XII, 348-350.
CHARLES TATE REGAN.
- Campogramma** Regan, 350; orthotype *LICHIA VADIGO* Risso. A synonym of *HYPACANTHUS* Raf.
1958. REGAN (1903). *On a Collection of Fishes from the Azores*. Ann. Mag. Nat. Hist., XII.
CHARLES TATE REGAN.
- Macristium** Regan, 345; orthotype *M. CHAVESI* Regan.

1959. REGAN (1903). *Descriptions de poissons nouveaux*. . . . *Musée d'Histoire Naturelle de Genève*. Revue Suisse Zool. Genève.
CHARLES TATE REGAN.
Bedotia Regan, 416; orthotype *B. MADAGASCARIENSIS* Regan.
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ALÍPIO DE MIRANDA RIBEIRO.
Pseudopercis Ribeiro, 4; orthotype *P. NUMIDA* Ribeiro.
1961. SAUVAGE (1903). *Noticia sobre los Peces de la Caliza litografica de la Provincia de Lerida (Cataluña)*. Mem. Ac. Barcel. (3), IV, No. 35, 1-32.
HENRI EMILE SAUVAGE.
Vidalia Sauvage, 15; orthotype *V. CATALUNICA* Sauvage (fossil).
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PETR YULIEVICH SCHMIDT.
Cynopsetta Schmidt, 19; orthotype *C. DUBIA* Schmidt, name only; defined by Jordan & Starks, 1906.
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FRANZ STEINDACHNER.
Gymnocharacinus Steindachner, 20; orthotype *G. BERGII* Steind.
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RAMSAY HEATLEY TRAQUAIR.
Gemundina Traquair, 734; orthotype *G. STURTZI* Traquair (fossil).
Hunsruckia Traquair, 736; orthotype *H. PROBLEMATICA* Traquair (fossil).
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WALTER VOLZ.
Trypauchenopsis Volz, 555; orthotype *T. INTERMEDIUS* Volz.
1966. WAITE (1903). *New Records of Recurrences of Rare Fishes from Eastern Australia*. Rec. Austr. Mus., V, 56-61.
EDGAR RAVENSWOOD WAITE.
Prosoplismus Waite, 59; orthotype *HISTIOPTERUS RECURVIROSTRIS* Rich. A synonym of *PENTACEROPSIS* Steindachner & Döderlein, noted by Waite, Ann. Mag. Nat. Hist., XII, 288.
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- 1904.
1967. BOULENGER (1904). *Description of New West African Fresh-Water Fishes*. Ann. Mag. Nat. Hist. (7), XIV, 16-20.
GEORGE ALBERT BOULENGER.
Procatopus Boulenger, 20; orthotype *P. NOTOTENIA* Boulenger.
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BASHFORD DEAN (1867-).
Paramyxine Dean, 14; orthotype *P. ATAMI* Dean.

1969. DOLLO (1904). *Résultats du voyage du S. Y. Belgica. Expédition Ant-
arctique Belge.* Anvers.

LOUIS DOLLO.

Copeichthys Dollo, 159; orthotype *DIPLOMYSTUS DENTATUS* Cope (fossil). Substitute for *DIPLOMYSTUS* Cope (1877), regarded as preoccupied by *DIPLOMYSTES* Gthr. (1864).

1970. EASTMAN (1904). *Description of Bolca Fishes.* Bull. Mus. Comp. Zool. Harvard, XLVI, 1-36.

CHARLES ROCHESTER EASTMAN.

Histonotopterus Eastman, 32; orthotype *HISTIOCEPHALUS BASSANI* Zigno (fossil, Monte Bolca). A substitute for *HISTIOCEPHALUS* Zigno, preoccupied in worms.

1971. FOWLER (1904). *Description of a New Lantern Fish.* Proc. Acad. Nat. Sci. Phila. for 1903, 754-755. (Jan. 15, 1904.)

HENRY WEED FOWLER.

Centrobranchus Fowler, 754; orthotype *C. CHEROCEPHALUS* Fowler.

1972. FOWLER (1904). *Note on the Characinidæ.* Proc. Ac. Nat. Sci. Phila., LIII. (Jan., 1904.)

HENRY WEED FOWLER.

Eucynopotamus Fowler, 119; orthotype *CYNOPOTAMUS BISERIALIS* Garman. A substitute for *EVERMANNELLA* Eigenmann, preoccupied by *EVERMANNELLA* Fowler, 1901.

1973. FOWLER (1904). *New, Little Known, and Typical Berycoid Fishes.* Proc. Acad. Nat. Sci. Phila., LV, 222-238. (Apr. 7, 1904.)

HENRY WEED FOWLER.

Sargocentron Fowler, 235; orthotype *HOLOCENTRUM LEO* Cuv.

1974. FOWLER (1904). *Notes on Fishes from Arkansas, Indian Territory, and Texas.* Proc. Acad. Nat. Sci. Phila., LV, 242-249.

HENRY WEED FOWLER.

Paranotropis Fowler, 245; orthotype *PHOTOGENIS SCABRICEPS* Cope. A substitute for *EPISEMA* Cope & Jordan, preoccupied.

1975. FOWLER (1904). *A Collection of Fishes from Sumatra.* Journ. Ac. Nat. Sci. Phila.

HENRY WEED FOWLER.

Rastrum Fowler, 509; orthotype *ALEPES SCITULA* Fowler.

Boulengerina Fowler, 512; orthotype *DULES TENIURUS* Cuv. & Val. Name preoccupied in snakes, Dollo, 1886; replaced by *SAFOLE* Jordan, 1912.

Equulites Fowler, 513; orthotype *LEIGNATHUS VERMICULATUS* Fowler.

Eubleekeria Fowler, 516; orthotype *EQUULA SPLENDENS* Cuv.

Deveximentum Fowler, 517; orthotype *ZEUS INSIDIATOR* Bloch. A synonym of *SECUTOR* Gistel.

Æthaloperca Fowler, 522; orthotype *PERCA ROGAA* Forskål.

Bennettia Fowler, 524; orthotype *ANTHIAS JOHNI* Bloch.

Parkia Fowler, 525; orthotype *LUTJANUS FURVICAUDATUS* Fowler.

Anemura Fowler, 527; orthotype *DENTEX NOTATUS* Day.

Odontoglyphis Fowler, 527; orthotype *DENTEX TOLU* Fowler.

Euthyopteroma Fowler, 527; orthotype *DENTEX BLOCHI* Blkr. (= *SPARUS JAPONICUS* Bloch).

- Eutherapon** Fowler, 527; orthotype *THERAPON THERAPS* Cuv.
Euelaticthys Fowler, 527; orthotype *DIAGRAMMA AFFINE* Gthr.
Spilotichthys Fowler, 528; orthotype *HOLOCENTRUS RAJABAU* Lac.
Lethrinella Fowler, 529; orthotype *SPARUS MINIATUS* Fowler.
Pertica Fowler, 530; orthotype *GERRES FILAMENTOSUS* Cuv. & Val. A synonym of *GERRES* Cuv. (*XYSTÆMA* J. & E.), as restricted.
Actinicola Fowler, 533; orthotype *LUTJANUS PERCULA* Lac.
Octocynodon Fowler, 535; orthotype *JULIUS MINIATUS* Cuv. & Val.
Grammoplites Fowler, 550; orthotype *COTTUS SCABER* L.
1976. GILBERT & STARKS (1904). *The Fishes of Panama Bay*. Mem. Calif. Ac., IV, 1-304.
 CHARLES HENRY GILBERT; EDWIN CHAPIN STARKS.
- Guentheridia** Gilbert & Starks, 158; orthotype *TETRAODON FORMOSUS* Gthr.
1977. GILCHRIST (1904). *Descriptions of New South African Fishes*. Mar. Invest. S. Africa, III, 1-16.
 J. D. F. GILCHRIST.
- Cyttosoma** Gilchrist, 6; orthotype *C. BOOPS* Gilchrist.
1978. GILL (1904). *Extinct Pediculate and Other Fishes*. Science (2), XX, 845-846.
 THEODORE NICHOLAS GILL.
- Bradyurus** Gill, 846; orthotype *SYMPHODUS SZAJNOCHÆ* Zigno (fossil).
1979. HILGENDORF (1904). *Ein neuer Scyllium artiger Haiſch. Proscyllium haberei, . . . von Formosa*. Sitzber. Ges. Naturf. Berlin, 1904, 39-41.
 FRANZ MARTIN HILGENDORF.
- Proscyllium** Hilgendorf, 39; orthotype *P. HABERERI* Hilgendorf.
1980. JORDAN (1904). *Notes on Fishes Collected in the Tortugas Archipelago*. Bull. U. S. Fish. Comm., XXII, 539-544.
 DAVID STARR JORDAN.
- Elacatinus** Jordan, 542; orthotype *E. OCEANOPS* Jordan.
Acteis Jordan, 543; orthotype *MALOCOCTENUS MOOREI* Evermann & Marsh.
Ericteis Jordan, 543; orthotype *E. KALISHERÆ* Jordan.
1981. JORDAN & SNYDER (1904). *Notes on the Collection of Fishes from Oahu Island and Laysan Island, Hawaii, with Descriptions of Four New Species*. Proc. U. S. Nat. Mus., XXVII, 939-948. (June 2, 1904.)
 DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Ariomma** Jordan & Snyder, 942; orthotype *A. LURIDA* Jordan & Snyder.
1982. JORDAN & SNYDER (1904). *On a Collection of Fishes Made by Mr. Alan Owston in the Deep Waters of Japan*. Smithson. Collect., I, 230-240.
 DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Trismegistus** Jordan & Snyder, 238; orthotype *T. OWSTONI* Jordan & Snyder. A giant *LIPARIS*.
1983. JORDAN & STARKS (1904). *List of Fishes Dredged by the Steamer "Albatross" off the Coast of Japan in the Summer of 1900, with Descriptions of New Species and a Review of the Japanese Macrouridæ* (by Jordan & Gilbert). Bull. U. S. Fish. Comm., XXII, 577-630.
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Osopsaron Jordan & Starks, 600; orthotype *PTEROPSARON VERECUNDUM* Jordan & Snyder.

Regania Jordan & Gilbert, 604; orthotype *R. NIPPONICA* J. & G.

Nezumia Jordan & Gilbert, 620; orthotype *N. CONDYLURA* J. & G.

Cleisthenes Jordan & Starks, 622; orthotype *C. PINETORUM* Jordan & Starks.

Alæops Jordan & Starks, 623; orthotype *A. PLINTHUS* Jordan & Starks.

Dexistes Jordan & Starks, 624; orthotype *D. RIKUZENIUS* Jordan & Starks.

Araias Jordan & Starks, 624; orthotype *A. ARJOMMUS* Jordan & Starks, the young of *DEXISTES RIKUZENIUS* Jordan & Starks. A synonym of *DEXISTES* Jordan & Starks.

Veræqua Jordan & Starks, 625; orthotype *V. ACHNE* Jordan & Starks.

1984. JORDAN & STARKS (1904). *A Review of the Scorpenoid Fishes of Japan.* Proc. U. S. Nat. Mus., XXVII, 91-175. (Jan. 22, 1904.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Thysanichthys Jordan & Starks, 122; orthotype *T. CROSSOTUS* Jordan & Starks.

Sebastiscus Jordan & Starks, 124; orthotype *SEBASTES MARMORATUS* Cuv. & Val.

Lythrichthys Jordan & Starks, 140; orthotype *L. EULABES* Jordan & Starks.

Ebosia Jordan & Starks, 145; orthotype *PTEROIS BLEEKERI* Steind.

Decterias Jordan & Starks, 154; orthotype *MIXOUS PESILLUS* T. & S.

Erosa (Swainson) Jordan & Starks, 156; orthotype *SYNANCEIA EROSA* (Langsdorf) Cuv. & Val.

Inimicus Jordan & Starks, 158; orthotype *PELOR JAPONICUM* Cuv. & Val. A substitute for *PELOR* Cuv., preoccupied.

Ocosia Jordan & Starks, 162; orthotype *O. VESPA* Jordan & Starks.

Erisphex Jordan & Starks, 170; orthotype *COCOTROPUS POTTII* Steind.

1985. JORDAN & STARKS (1904). *A Review of the Cottidae or Sculpins of the Waters of Japan.* Proc. U. S. Nat. Mus., XXVII, 231-335. (Jan. 28, 1904.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Stlengis Jordan & Starks, 236; orthotype *S. OSENSIS* Jordan & Starks.

Schmidtia Jordan & Starks, 237; orthotype *S. MISAKIA* Jordan & Starks. Name preoccupied and changed to *SCHMIDTINA*, p. 961.

Daruma Jordan & Starks, 241; orthotype *D. SAGAMIA* Jordan & Starks.

Ricuzenius Jordan & Starks, 242; orthotype *R. PINETORUM* Jordan & Starks.

Rheopresbe Jordan & Starks, 270; orthotype *R. FUJIYAMAE* Jordan & Starks.

Ainocottus Jordan & Starks, 283; orthotype *A. ENSIGER* Jordan & Starks.

Crossias Jordan & Starks, 296; orthotype *C. ALLISI* Jordan & Starks.

Cottiusculus (Schmidt) Jordan & Starks, 298; orthotype *C. GONEZ* Schmidt.

Elaphichthys Jordan & Starks, 301; orthotype *CENTRIDERMICHTHYS ELONGATUS* Steind.

Alcichthys Jordan & Starks, 301; orthotype *CENTRIDERMICHTHYS ALCICORNIS* Herzenstein.

Furcina Jordan & Starks, 303; orthotype *F. ISHIKAWAE* Jordan & Starks.

Ocynectes Jordan & Starks, 306; orthotype *O. MASCHALIS* Jordan & Starks.

Bero Jordan & Starks, 317; orthotype *CENTRIDERMICHTHYS ELEGANS* Steind.

Vellitor Jordan & Starks, 318; orthotype *PODABRUS CENTROPOMUS* Rich. Substitute for *PODABRUS* Rich., preoccupied.

1986. JORDAN & STARKS (1904). *Schmidtina, a New Genus of Japanese Sculpins.* Proc. U. S. Nat. Mus. (June 27, 1904.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

- Schmidina** Jordan & Starks, 961; orthotype *SCHMIDTIA MISAKIA* Jordan & Starks. Substitute for *SCHMIDTIA* Jordan & Starks, preoccupied.
1987. MEEK (1904). *The Fresh-Water Fishes of Mexico North of the Isthmus of Tehuantepec*. Field Mus. Zool., V, 1-252.
SETH EUGENE MEEK (1858-1912).
- Cynodonichthys** Meek, 101; orthotype *C. TENUIS* Meek.
Paragambusia Meek, 133; orthotype *GAMBUSIA NICARAGUENSIS* Gthr.
Thorichthys Meek, 222; orthotype *T. ELLIOTI* Meek.
1988. NIKOLSKII (1904). *Neue Fischarten aus Ostasien*. Ann. Mus. Zool. Acad. St. Petersburg, VIII.
ALEKSANDR MIKHAILOVICH NIKOLSKII.
- Ussuria** Nikolskii, 362; orthotype *U. LEPTOCEPHALA* Nikolskii. Apparently a synonym of *MISGURNUS* Lac.
1989. OGILBY (1904). *Studies in the Ichthyology of Queensland*. Proc. Roy. Soc. Queensland, XVIII, 27-30.
JAMES DOUGLAS OGILBY.
- Daia** Ogilby, 9; orthotype *CENTROPOGON INDICUS* Day. Perhaps a synonym of *HYPODYTES* Gistel (*PARACENTROPOGON* Blkr.).
Notesthes Ogilby, 17; orthotype *CENTROPOGON ROBUSTUS* Gthr.
Liocranium Ogilby, 23; orthotype *L. PRÆPOSITUM* Ogilby.
1990. PELLÉGRIN (1904). *Contribution à l'étude anatomique, biologique et taxonomique des Poissons de la famille des Cichlidés*. Mem. Soc. Zool. France, XVI, 41-402.
JACQUES PELLÉGRIN.
- Astatheros** Pellégrin, 203; orthotype *HEROS HETERODONTUS* Vaillant & Pellégrin.
Astatoreochromis Pellégrin, 384; orthotype *A. ALLUAUDI* Pellégrin.
Nanochromis Pellégrin, 273; orthotype *PSEUDOPLESIOPS NUDICEPS* Boulenger. Substitute for *PSEUDOPLESIOPS* Boulenger, preoccupied.
Lepidolamprologus Pellégrin, 295; orthotype *LAMPROLOGUS ELONGATUS* Boulenger.
Astatotilapia Pellégrin, 299; orthotype *TILAPIA DESFONTAINESI* Lac.
Boulengerochromis Pellégrin, 304; orthotype *TILAPIA MICROLEPIS* Boulenger.
Ophthalmotilapia Pellégrin, 345; orthotype *TILAPIA BOOPS* Boulenger.
1991. POPTA (1904). *Descriptions préliminaires des nouvelles espèces de Poissons recueillies au Borneo central par M. le Dr. A. W. Nieuwenhuis en 1898 et en 1900*. Notes Leyden Mus., XXIV, 179-202.
CANNA M. L. POPTA.
- Neopangasius** Popta, 180; orthotype *N. NIEUWENHUISI* Popta.
Paracrossocheilus Popta, 200; orthotype *P. BICORNIS* Popta.
1992. REGAN (1904). *A Monograph of the Fishes of the Family Loricariidæ*. Trans. Zool. Soc. London, XVII, 191-350.
CHARLES TATE REGAN.
- Xenocara** Regan, 251; orthotype *CHÆTOSTOMUS LATIFRONS* Gthr.
1993. ROMANOVSKII (1904). *Notiz ueber den fossilen Fisch, Lyrolepis caucasicus*. Rom. Verh. Russ. Miner. Ges. St. Petersburg.
GHENNADI DANILOVICH ROMANOVSKII.
- Lyrolepis** Romanovskii, 1; orthotype *L. CAUCASICUS* Romanovskii (fossil).

1994. RUTTER (1904). *Notes on Fishes of Gulf of California, with Description of a New Genus and Species*. Proc. Calif. Acad. Zool. (3), III, 251-253.

CLOUDSLEY M. RUTTER.

Pycnomma Rutter, 252; orthotype *P. SEMISQUAMATA* Rutter.

1995. SCHMIDT (1904). *Pisces marium orientarium imperii rossici*. St. Petersburg, 1904, 1-466.

PETR YULIEVICH SCHMIDT.

Cottiusculus Schmidt, 190; orthotype *C. GONEZ* Schmidt. First notice by Jordan & Starks, 1904.

Tilesina Schmidt, 134; orthotype *T. GIBBOSA* Schmidt.

Krusensterniella Schmidt, 198; orthotype *K. NOTABILIS* Schmidt.

Hadropareia Schmidt, 205; orthotype *H. MIDDENDORFFI* Schmidt.

Protopsetta Schmidt, 230; orthotype *HIPPOGLOSSOIDES HERZENSTEINI* Schmidt.

Acanthopsetta Schmidt, 237; orthotype *A. NADESHNYI* Schmidt.

1996. SIMIONESCU (1904). *I'orlünföge Mitteilong über eine oligocäne Fisch-fauna aus den rumanischen Karpathen*. Verh. Geol. Reichsanst., 1904, 147-149.

JOAN THEODOR SIMIONESCU.

Krambergeria Simionescu, 148; orthotype *K. LANCEOLATA* Simionescu (fossil).

1997. SMITH (1904). *A New Cottoid Fish from Bering Sea*. P. Soc. Wash., XVII, 163-164.

HUGH McCORMICK SMITH.

Thecopterus Smith, 163; orthotype *T. ALEUTICUS* Smith.

1998. SNYDER (1904). *A Catalogue of the Shore Fishes Collected by the Steamer "Albatross" about the Hawaiian Islands in 1902*. Bull. U. S. Fish Comm., XXII, 513-538.

JOHN OTTERBEIN SNYDER.

Veternio Snyder, 516; orthotype *V. VERRENS* Snyder.

Collybus Snyder, 525; orthotype *C. DRACHME* Snyder.

Merinthe Snyder, 535; orthotype *SEBASTES MACROCEPHALUS* Sauvage.

1999. STROMER (1904). *Nematognathi aus dem Fajum und dem Natronthale in Aegypten*. N. Jahrb. Min., 1904, I, 1-17.

ERNST STROMER VON REICHENBACH (1871-).

Fajumia Stromer, 3; orthotype *F. SCHWEINFURTHI* Stromer (fossil).

Socnopæa Stromer, 6; orthotype *S. GRANDIS* Stromer (fossil).

2000. VAILLANT (1904). *Quelques Reptiles, Batraciens et Poissons du Haut Tonquin*. Bull. Mus. Paris, 1904, 297-301.

LÉON VAILLANT.

Luciocyprinus Vaillant, 299; orthotype *L. LANGSONI* Vaillant.

2001. WAITE (1904). *Additions to the Fish Fauna of Lord Howe Island*. No. 4. Rec. Austral. Mus., V, 135-186.

EDGAR RAVENSWOOD WAITE.

Xenogramma Waite, 157; orthotype *X. CARINATUM* Waite.

Allogobius Waite, 176; orthotype *A. VIRIDIS* Waite. A synonym of *EVIOTA* Jenkins.

Limnichthys Waite, 178; orthotype *L. FASCIATUS* Waite.

Lepadichthys Waite, 180; orthotype *L. FRENATUS* Waite.

Schizochirus Waite, 243; orthotype *S. INSOLENS* Waite.

1905.

2002. ANTIPA (1905). *Clupeinen des Westlichen Teiles des Schwarzen Meeres und der Donaumündungen*. Denkschr. Akad. Wiss. Wien, LXVIII.

GREGOR ANTIPA.

Sardina Antipa, 54; orthotype *CLUPEA PILCHARDUS* L. A synonym of *SARDINIA* Poey, the two names equally similar to the earlier *SARDINIUS* Von der Marck, a fossil sardine-like fish. For the genus typified by *CLUPEA PILCHARDUS* the name *CLUPANODON* Lac. has been used, but according to the present rules of nomenclature that name must stand for the Asiatic genus, *KONOSIRUS*.

2003. See Additions and Corrections, page 575.

2004. EASTMAN (1905). *Les types de poissons fossiles du Monte Bolca au Muséum d'Histoire Naturelle de Paris*. Mem. Soc. Geol. Paris, XIII.

CHARLES ROCHESTER EASTMAN.

Eomyrus (Agassiz) Eastman, 15; logotype *E. FORMOSISSIMUS* Ag. (Ms.).

2005. EIGENMANN & WARD (1905). *The Gymnotidae*. Proc. Wash. Ac., 1905, VII, 159-188.

CARL H. EIGENMANN; D. P. WARD.

Sternarchella Eigenmann & Ward, 163; orthotype *STERNARCHUS SCHOTTI* Steind.

Sternarchorhamphus Eigenmann & Ward, 165; logotype *STERNARCHUS MULLERI* Steind.

Sternarchogiton Eigenmann & Ward, 165; orthotype *STERNARCHUS NATTERERI* Steind.

2006. FORBES & RICHARDSON (1905). *On a New Shovel-nose Sturgeon from the Mississippi River*. Bull. Illinois Lab., VII, 1905, 37-44.

STEPHEN ALFRED FORBES; ROBERT EARL RICHARDSON.

Parascaphirhynchus Forbes & Richardson, 37; orthotype *P. ALBUS* Forbes & Richardson.

2007. FOWLER (1905). *New, Rare, or Little Known Scombroids, I*. Proc. Acad. Nat. Sci. Phila., LVI, for 1904, 757-771. (Jan. 16, 1905.)

HENRY WEED FOWLER.

Sierra Fowler, 766; orthotype *CYBIUM CAVALLA* Cuv. A subgenus under *SCOMBEROMORUS* Lac.

Lepturacanthus Fowler, 770; orthotype *TRICHIURUS SAVALA* Cuv.

2008. FOWLER (1905). *New, Rare, or Little Known Scombroids, II*. Proc. Acad. Nat. Sci. Phila., LXII, 56-88. (Mar. 31, 1905.)

HENRY WEED FOWLER.

Rhaphiolepis Fowler, 59; orthotype *CHORINEMUS TOL* Cuv.

Vexillicaranx Fowler, 76; orthotype *CARANX AFRICANUS* Steind.

Elaphotoxon Fowler, 76; orthotype *SCOMBER RUBER* Bloch.

2009. FOWLER (1905). *Some Fishes from Borneo*. Proc. Acad. Nat. Sci. Phila., LVII, 455-523. (Aug. 14, 1905.)

HENRY WEED FOWLER.

Pristiopsis Fowler, 459; orthotype *PRISTIS PERROTTETI* Muller & Henle (lower caudal lobe developed).

Apodoglanis Fowler, 463; orthotype *A. FURNESSI* Fowler.

Vaillantella Fowler, 474; orthotype *NEMACHEILUS EUEPIPTERUS* Vaillant.

Homalopteroides Fowler, 476; orthotype HOMALOPTERA WASSINKII Blkr.
Labidorhamphus Fowler, 493; orthotype HEMIRHAMPHUS AMBLYURUS Blkr.
Pampus (Bonaparte) Fowler, 499; orthotype STROMATEUS CINEREUS Bloch. Forgotten name revived; replaces STROMATEOIDES Blkr.
Gigantogobius Fowler, 511; orthotype G. JORDANI Fowler.

2010. GILBERT (1905). *Aquatic Resources of the Hawaiian Islands. II. The Deep-Sea Fishes.* Bull. U. S. Fish Comm. for 1903, (Aug. 5, 1905.)

CHARLES HENRY GILBERT.

Metopomycter Gilbert, 585; orthotype M. DENTICULATUS Gilbert.
Stemonidium Gilbert, 586; orthotype S. HYPOMELAS Gilbert.
Nematopora Gilbert, 587; orthotype N. POLYGONIFERA Gilbert.
Leptostomias Gilbert, 606; orthotype L. MACRONEMA Gilbert.
Lestidium Gilbert, 607; orthotype N. NUDUM Gilbert.
Hynnodus Gilbert, 617; orthotype H. ATHERINOIDES Gilbert.
Grammatonotus Gilbert, 618; orthotype G. LAYSANUS Gilbert.
Stethopristes Gilbert, 622; orthotype S. EOS Gilbert.
Cyttomimus Gilbert, 623; orthotype C. STELGIS Gilbert.
Peloropsis Gilbert, 630; orthotype O. XENOPS Gilbert.
Plectrogenium Gilbert, 634; orthotype P. NANUM Gilbert.
Snyderidia Gilbert, 634; orthotype S. CANINA Gilbert.
Bembradium Gilbert, 637; orthotype B. ROSEUM Gilbert.
Chronema Gilbert, 645; orthotype C. CHRYSERES Gilbert.
Jordanicus Gilbert, 656; orthotype FIERASPER UMBRATILIS J. & E.
Tæniopsetta Gilbert, 680; orthotype T. RADULA Gilbert.
Samariscus Gilbert, 682; orthotype S. CORALLINUS Gilbert.
Miopsaras Gilbert, 694; orthotype M. MYOPS Gilbert.

2011. GILBERT & THOMPSON (1905). *Notes on the Fishes of Puget Sound.* Proc. U. S. Nat. Mus., XXVIII, 973-987. (Aug. 8, 1905.)

CHARLES HENRY GILBERT; JOSEPH C. THOMPSON.

Stelgidonotus Gilbert & Thompson, 977; orthotype S. LATIFRONS Gilbert & Thompson.

2012. GILL (1905). *The Scorpanoid Fish, Neosebastes entaxis, as the Type of a Distinct Genus.* Proc. U. S. Nat. Mus. (February 15, 1905.)

THEODORE NICHOLAS GILL.

Sebastosemus Gill, 219; orthotype NEOSEBASTES ENTAXIS Jordan & Snyder.

2013. GILL (1905). *Notes on the Genera of Synanecine and Pclorine Fishes.* Proc. U. S. Nat. Mus., XXVIII, 221-225. (Feb. 23, 1905.)

THEODORE NICHOLAS GILL.

Simopias Gill, 224; orthotype PELOR FILAMENTOSUS Cuv. & Val. A substitute for PELOR Cuv., based on a section of the genus distinct from the type of INIMICUS Jordan & Starks.

Rhinopias Gill, 225; orthotype SCORPÆNA FRONDOSA Gthr.

2014. GILL (1905). *On the Generic Characters of Prionotus Stearnsi.* Proc. U. S. Nat. Mus. (February 15, 1905.)

THEODORE NICHOLAS GILL.

Colotrigla Gill, 339; orthotype PRIONOTUS STEARNSI Jordan & Swain.

Fissala Gill, 342; orthotype PRIONOTUS ALATUS G. & B.

2015. GILL (date not ascertained). *Mancopsetta*.
Mancopsetta Gill, —; orthotype LEPIDOPSETTA MACULATA Gthr.; substitute for LEPIDOPSETTA Gthr., preoccupied. (I am unable to place this genus.)
2016. GILL & SMITH (1905). *A New Family of Jugular Acanthopterygians (Caristiidae)*. Proc. Biol. Soc. Wash., XVIII.
 THEODORE GILL; HUGH McCORMICK SMITH.
Caristius Gill & Smith, 249; orthotype C. JAPONICUS Gill & Smith.
2017. HAUG (1905). *Documents scientifiques de la mission saharienne Paléontologique (Mission Fourcau Lamy)*. Paris, fasc. 3, 1905, 751-832.
 EMILE HAUG.
Platyspondylus Haug, 751; orthotype P. FOUREAU Haug (fossil).
2018. JORDAN & EVERMANN (1905). *The Aquatic Resources of the Hawaiian Islands. I. The Shore Fishes*. Bull. U. S. Fish Comm. for 1903. (July 29, 1905.)
 DAVID STARR JORDAN; BARTON WARREN EVERMANN.
Kelloggella (Jordan & Seale) Jordan & Evermann, 488; orthotype K. CARDINALIS Jordan & Seale. More fully defined later in *Fishes of Samoa*.
Exallias Jordan & Evermann, 503; orthotype SALARIAS BREVIS Kner.
2019. JORDAN & SEALE (1905). *List of Fishes Collected by Dr. Bashford Dean on the Island of Negros, Philippines*. Proc. U. S. Nat. Mus., XXVIII, 769-803.
 DAVID STARR JORDAN; ALVIN SEALE.
Eleria Jordan & Seale, 774; orthotype E. PHILIPPINA Jordan & Seale.
Foa Jordan & Seale, 779; orthotype F. FO Jordan & Seale.
Drombus Jordan & Seale, 797; orthotype D. PALACKYI Jordan & Seale.
2020. JORDAN & STARKS (1905). *On a Collection of Fishes Made in Korea, by Pierre Louis Jony, with Descriptions of New Species*. Proc. U. S. Nat. Mus., XXVIII, 193-211. (February 23, 1905.)
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Longurio Jordan & Starks, 196; orthotype L. ATHYMIUS Jordan & Starks. A synonym of SAUROGOBIO Blkr.
Fusania Jordan & Starks, 198; orthotype F. ENSARCA Jordan & Starks. A synonym of APHYOCYPRIS Gthr.
Coreius Jordan & Starks, 199; orthotype LABEO CETOPSIS Kner.
Larimichthys Jordan & Starks, 204; orthotype L. RATHBUN.E Jordan & Starks.
2021. JORDAN & THOMPSON (1905). *The Fish Fauna of the Tortugas Archipelago*. Bull. Bur. Fish, XXIV, 231-266.
 DAVID STARR JORDAN; JOSEPH C. THOMPSON.
Etelides Jordan & Thompson, 241; orthotype ETELIS AQUILIONARIS G. & B.
Excecestides Jordan & Thompson, 253; orthotype E. EGREGIUS Jordan & Thompson.
2022. KRAMBERGER (1905). *Die obertriadische Fischfauna von Hallein in Salzburg*. Beitr. Pal. Pesterr-Ung., XVIII, 193-224.
 DRAGUTIN GORJANOVIC KRAMBERGER.
Spaniolepis Kramberger, 216; orthotype S. OVALIS Kramberger (fossil).
2023. LERICHE (1905). *Les poissons éocènes de la Belgique*. Mem. Mus. Belgique Bruxelles, III, 1905, 228.
 MAURICE LERICHE.

- Cristigorina** Leriche, 80; orthotype *C. CRASSA* Leriche (fossil).
- Glyptorhynchus** Leriche, 159; orthotype *CÆLORHYNCHUS RECTUS* Ag. (fossil). Substitute for *CÆLORHYNCHUS* Ag., preoccupied. A synonym of *CYLINDRACANTHUS* Leidy, 1856.
2024. LÖNNBERG (1905). *The Fishes of the Swedish South Pole Expedition*. *Wissensch. Ergeb. Schwed. Sudpolar-Exp.*, 5, Lief. 6, 1906, 1-69.
AXEL JOHAN EINAR LÖNNBERG.
- Artedidraco** Lönnberg, 39; orthotype *A. MIRUS* Lönnberg.
2025. MCGILCHRIST (1905). *Natural History Notes from the R. I. M. S. "Investigator" Capt. R. H. Heming, R. N. (retired), Commanding. Series III, No. 8. On a New Genus of Teleostean Fish Closely Allied to Chiasmodus*. *Ann. Mag. Nat. Hist.* (7), XV, 268-270.
A. C. MCGILCHRIST.
- Dysalotus** McGilchrist, 268; orthotype *D. ALCOCKI* McGilchrist.
2026. PELLÉGRIN (1905). *Poisson nouveau de Mozambique*. *Bull. Mus. Paris*, XI, 145-146.
JACQUES PELLÉGRIN.
- Xenopomichthys** Pellégrin, 145; orthotype *X. AURICULATUS* Pellégrin.
2027. PELLÉGRIN (1905). *Mission Scientifique en Afrique Centrale*. *Mem. Soc. Zool. de France*.
JACQUES PELLÉGRIN.
- Astatochromis** Pellégrin, 183; orthotype *A. ALLAUDI* Pellégrin.
2028. POPTA (1905). *Suites des descriptions préliminaires des nouvelles espèces de poissons recueillis par M. le Dr. A. W. Nicuwenhuis en 1898 et en 1900*. *Notes Leyden Mus.*, XXV, 171-187.
CANNA M. L. POPTA.
- Neogastromyzon** Popta, 180; orthotype *N. NIEUWENHUISII* Popta.
- Parophiocephalus** Popta, 183; orthotype *P. UNIMACULATUS* Popta. A synonym of *BETTA* Blkr.
2029. REGAN (1905). *A Synopsis of the Species of the Silurid Genera Parexostoma, Chimarrichthys, and Exostoma*. *Ann. Mag. Nat. Hist.* (7), XV, 182.
CHARLES TATE REGAN.
- Parexostoma** Regan, 182; logotype *EXOSTOMA STOLICZKÆ* Day.
2030. REGAN (1905). *A Revision of the Fishes of the American Cichlid Genus Cichlasoma and of the Allied Genera*. *Ann. Mag. Nat. Hist.* (7), XV, 60-77; 225-243, 316-340.
CHARLES TATE REGAN.
- Parapetenia** Regan, 324; orthotype *ACARA ADSPERSA* Gthr.
2031. REGAN (1905). *A Revision of the Fishes of the South American Cichlid Genera Acara, Nannacara, Acaropsis, and Astronotus*. *Ann. Mag. Nat. Hist.* (7), XV, 329-427.
CHARLES TATE REGAN.
- Nannacara** Regan, 344; orthotype *N. ANOMALA* Regan.
2032. REGAN (1905). (*Gymnapogon*). *Ann. Mag. Nat. Hist.*, XV.
CHARLES TATE REGAN.
- Gymnapogon** Regan, 19; orthotype *G. JAPONICUS* Regan.

2033. SAUTER (1905). *Notes from the Owston Collection*. Annot. Zool. Japan, V, 233-238.

HANS SAUTER.

Ijimaia Sauter, 233; orthotype *I. DOFLEINI* Sauter.

2034. STROMER (1905). *Die Fischreste des mittleren und oberen Eocens von Aegypten*. Beitr. Pal. Oesterr-Ung., XVIII, 37-58.

ERNST STROMER VON REICHENBACH.

Eopristis Stromer, 52; orthotype *P. REINACHI* Stromer.

2035. TOULA (1905). *Ueber einem dem Thunfische verwandten Raub-fish der Congerenschichten der Wiener Bucht*. . . . Jahrb. Geol. Reichsanst. Wien., LV.

FRANZ TOULA (1845-).

Pelamycybium Toula, 51; orthotype *P. SINUS-VINDOBONENSIS* Toula (fossil).

2036. WAITE (1905). *Notes on Fishes from Western Australia, III*. Rec. Austral. Mus., VI, 1905, 55-82.

EDGAR RAVENSWOOD WAITE.

Neatypus Waite, 64; orthotype *N. OBLIQUUS* Waite.

Bramichthys Waite, 72; orthotype *B. WOODWARDI* Waite.

Dipulus Waite, 77; orthotype *D. CÆCUS* Waite.

1906.

2037. ABEL (1906). *Fossile Flugfische*. Verh. Deutsche. Zool. Ges., XV, 47-48.

OTHENIO ABEL.

Dollopterus Abel, 47; orthotype *DOLICHOPTERUS VOLITANS* Compter (fossil).

Gigantopterus Abel, 48; orthotype *G. TELLERI* Abel (fossil).

2038. AMEGHINO (1906). *Les formations sedimentaires du crétacé supérieur et du Tertiaire de Patagonie, etc.* Ann. Mus. Nat. Buenos Aires, XV.

FLORENTINO AMEGHINO.

Pseudacrodus Ameghino, 176; orthotype *P. PATAGONIENSIS* Ameghino (fossil).

Carcharioides Ameghino, 183; orthotype *C. TOTUSERRATUS* Ameghino (fossil).

2039. BERG (1906). *Uebersicht der Marsipobranchii des russischen Reiches*. St. Petersburg, Bull. Ac. Ser. 5, XXIV, 169-183.

LEW SEMENOWITCH BERG.

Caspiomyzon Berg, 177; orthotype *PETROMYZON WAGNERI* Kessler.

2040. BERG (1906). *Uebersicht der Cataphracti (Fam. Cottida, Cottocomphoridae und Comephoridae) des Baikalsees*. Zool. Anz., XXX, 1906, 906-911.

LEW SEMENOWITCH BERG.

Asprocottus Berg, 907; orthotype *A. HERZENSTEINI* Berg.

Abyssocottus Berg, 908; orthotype *A. KOROTNEFFI* Berg.

Limnocottus Berg, 909; orthotype *COTTUS GODLEWSKII* Dybowski.

2041. BOULENGER (1906). *Fourth Contribution to the Ichthyology of Lake Tanganyika. Report on the Collection of Fishes Made by Dr. W. A. Cunningham during the Third Tanganyika Expedition, 1904-1905*. Trans. Zool. Soc. London, XVII, 1906, 537-576.

GEORGE ALBERT BOULENGER.

Dinotopterus Boulenger, 550; orthotype *D. CUNNINGTONI* Boulenger.

- Phyllonemus** Boulenger, 552; orthotype *P. TYPUS* Boulenger.
Haplotoxodon Boulenger, 566; orthotype *H. MICROLEPIS* Boulenger.
Cunningtonia Boulenger, 573; orthotype *C. LONGIVENTRALIS* Boulenger.
2042. BOULENGER (1906). *Descriptions of New Fishes Discovered by Mr. E Degen in Lake Victoria*. Ann. Mag. Nat. Hist., XVII, 433-452.
 GEORGE ALBERT BOULENGER.
Platyæniodus Boulenger, 451; orthotype *P. DEGENI* Boulenger.
2043. BRAUER (1906). *Die Tiefsee-Fische. I. Syst. Theil. (Wissenschaftl. Ergebnisse der deutschen Tiefsee-Expedition)*. Jena, 1906, 1-432.
 AUGUST BRAUER.
Stylophthalmus Brauer, 70; orthotype *S. PARADOXUS* Brauer.
Oxyodon Brauer, 287; orthotype *O. MACROPS* Brauer.
Bassobythites Brauer, 307; orthotype *B. BRUNSWIGI* Brauer.
2044. EASTMAN (1906). *Structure and Relations of Mylostoma*. Bull. Mus. Comp. Zool., L, 1-29. (May, 1906.)
 CHARLES ROCHESTER EASTMAN.
Dinomylostoma Eastman, 23; orthotype *D. BEECHERI* Eastman (fossil, teeth and body plates): (mentioned earlier, February, 1906, in a paper on ARTHRODIRS, Amer. Journ. Sci., XXI, 137). ARTHRODIRA, Devonian.
2045. EVERMANN & KENDALL (1906). *Notes on a Collection of Fishes from Argentina, South America, with Descriptions of Three New Species*. Proc. U. S. Nat. Mus., XXXI, 67-108. (July 25, 1906.)
 BARTON WARREN EVERMANN; WILLIAM CONVERSE KENDALL.
Odontesthes Evermann & Kendall, 94; orthotype *O. PERUGLE* Evermann & Kendall.
2046. FOWLER (1905). *Some Cold-Blooded Vertebrates from the Florida Keys*. Proc. Acad. Nat. Sci. Phila., LVIII, 77-113. (May 29, 1906.)
 HENRY WEED FOWLER.
Congrammus Fowler, 105; orthotype *C. MOOREI* Fowler.
2047. FOWLER (1906). *New, Rare, or Little Known Scombroids., III*. Proc. Acad. Nat. Sci. Phila., LVIII, 114-122. (June 20, 1906.)
 HENRY WEED FOWLER.
Glaucus (Klein) Fowler, 116; orthotype *SCOMBER AMIA* L. Revived as reprinted by Walbaum, *Artedi Piscium*, III, 585, 1792, to replace *HYPIDIS* Raf., *HYPACANTHA* Raf., *LICHIA* Cuv., and *PORTHMEUS* Cuv. & Val. This choice of type antedates that of Jordan & Hubbs, 1915. *SCOMBER GLAUCUS* L., replacing *CÆSI-MORUS* Lac., the law of tautonymy would apply here, and the names of Klein, however reprinted, are not yet declared eligible.
- Pampanoa** Fowler, 116; orthotype *CHÆTODON GLAUCUS* Bloch.
Pterorhombus Fowler, 118; orthotype *FIATOLA FASCIATA* RISSO.
Priacanthopsis Fowler, 122; orthotype *PEMPHERIS MULLERI* Poey.
2048. FOWLER (1906). *Further Knowledge of Some Heterognathous Fishes*. Proc. Acad. Nat. Sci. Phila., LVIII, I, 293-351. (Sept. 25, 1906.)
 HENRY WEED FOWLER.

The numerous genera indicated in this paper have been critically reviewed by Dr. Carl H. Eigenmann, Amer. Nat. Dec., 1907. From this paper I draw the comments on the different genera proposed.

- Ophiocephalops** Fowler, 293; orthotype *ERYTHRINUS UNITENIATUS* Ag. A synonym of *HOPLERYTHRINUS* Gill.
- Copeina** Fowler, 294; orthotype *PYRRHULINA ARGYROPS* Fowler. A substitute for *HOLOTAXIS* of Eigenmann, not of Cope.
- Cyphocharax** Fowler, 297; orthotype *CURIMATUS SPILURUS* Gthr.
- Steindachnerina** Fowler, 298; orthotype *CURIMATUS TRACHYSTETHUS* Cope. Probably a synonym of *CURIMATA* Walbaum (*CURIMATUS* Cuv.).
- Peltapleura** Fowler, 300; orthotype *SALMO CYPRINOIDES* L. A synonym of *CURIMATA* Walbaum.
- Eigenmannina** Fowler, 307; orthotype *ANODUS MELANOPOGON* Cope.
- Chilomyzon** Fowler, 309; orthotype *PROCHILODUS STEINDACHNERI* Fowler. A synonym of *PROCHILODUS*.
- Hemiodopsis** Fowler, 318; orthotype *HEMIODUS MICROLEPIS* Kner.
- Pithecocharax** Fowler, 319; orthotype *SALMO ANOSTOMUS* L. A substitute for *ANOSTOMUS* Cuv., regarded as preoccupied by *ANASTOMUS* Bonnaterre, 1788. But *ANOSTOMUS* dates from Gronow (1763), revived by Scopoli (1777).
- Pœcilosomatops** Fowler, 323; orthotype *CHARACIDIUM ETHEOSTOMA* Cope. A synonym of *NANOGNATHUS* Boulenger, a section of *CHARACIDIUM*.
- Garmanina** Fowler, 326; orthotype *RHYTODUS ARGENTEOFUSCUS* Kner.
- Abramites** Fowler, 331; orthotype *LEPORINUS HYPSELONOTUS* Gthr. A synonym of *LEPORINUS* Cuv. & Val.
2049. GARMAN (1906). *New Plagiostomia*. Bull. Mus. Comp. Zool., Harvard Coll., XLVI, 201-208.

SAMUEL GARMAN.

- Parmaturus** Garman, 201; orthotype *P. PILOSUS* Garman.
2050. GILCHRIST (1903). *Descriptions of Fifteen New South African Fishes, with Notes on Other Species*. Cape Town, Marine Investiga., IV, 1906, 143-171.

J. D. F. GILCHRIST.

- Pseudocyttus** Gilchrist, 152; orthotype *P. MACULATUS* Gilchrist.
- Neostomias** Gilchrist, 168; orthotype *N. FILIFERUM* Gilchrist.
2051. GRACIANOV (1906). *Ueber eine besondere Gruppe der Rochen*. Zool. Anz., XXX, 399-406. (Dec., 1906.)
- VALERIAN GRACIANOV (OF GRATZIANOW).
- Brachioptera** Gracianov, 402; orthotype *B. RHINOCEROS* Gracianov.
- Planerocephalus** Gracianov, 403; orthotype *P. ELLIOTI* Gracianov.
2052. GRACIANOV (1906). *Die Neunaugen des Russischen Reiches*. Text in Russian. Moskv. Dnev. zool. otd. obsc. ljub. jest., 3, 7-8. 1907, 18.
- VALERIAN GRACIANOV.
- Agnathomyzon** Gracianov, 18; orthotype *PETROMYZON WAGNERI* Kessler. A synonym of *CASPIOMYZON* Berg (September, 1906).
- Haploglossa** Gracianov, 18; orthotype *A. CASPICUS* Wagner = *PETROMYZON WAGNERI* Kessler. A synonym of *CASPIOMYZON* Berg.

2053. JORDAN & SEALE (1906). *Descriptions of Six New Species of Fishes from Japan*. Proc. U. S. Nat. Mus., XXX, 143-148.

DAVID STARR JORDAN; ALVIN SEALE.

- Sayonara** Jordan & Seale, 145; orthotype *S. SATSUMÆ* Jordan & Seale.

2054. JORDAN & SEALE (1906). *The Fishes of Samoa. Descriptions of Species Found in the Archipelago, with a Provisional Check-List of the Fishes of Oceania.* Bull. Bur. Fish., XXV, 173-455. (Dec. 15, 1906.)
 DAVID STARR JORDAN; ALVIN SEALE.
Anarchias Jordan & Seale, 204; orthotype *A. ALLARDICEI* Jordan & Seale.
Psettias (Jordan) Jordan & Seale, 237; orthotype *PSETTUS SEBE* Cuv. & Val.
Rooseveltia (Jordan & Evermann) Jordan & Seale, 265; orthotype *SERRANUS BRIGHAMI* Seale.
Oceanops Jordan & Seale, 277; orthotype *LAERUS LATOVITTATA* Lac.
Lo Seale, 360; orthotype *AMPHACANTHUS VULPINUS* Schlegel & Müller.
Abalistes Jordan & Seale, 364; orthotype *BALISTES STELLARIS* Bl. & Sch. Substitute for *LEIURUS* Sw., preoccupied.
Trimma Jordan & Seale, 391; orthotype *T. CÆSIURA* Jordan & Seale.
Vitreola Jordan & Seale, 393; orthotype *V. SAGITTA* Jordan & Seale.
Vaimosa Jordan & Seale, 395; orthotype *V. FONTINALIS* Jordan & Seale. A synonym of *MUGILOGOBIUS* Smitt, 1899.
Vailima Jordan & Seale, 398; orthotype *V. STEVENSONI* Jordan & Seale.
Exyrias Jordan & Seale, 405; orthotype *GOBIOUS PUNTANGOIDES* Blkr.
Pselaphias Jordan & Seale, 406; orthotype *GOBIOUS OPHTHALMONEMUS* Blkr.
Waitea Jordan & Seale, 407; orthotype *GOBIOUS MYSTACINUS* Cuv. & Val.
Mars Jordan & Seale, 408; orthotype *M. STRIGILLICEPS* Jordan & Seale.
Kelloggella Jordan & Seale, 409; orthotype *K. CARDINALIS* Jordan & Seale. (First noticed by Jordan & Evermann, *Fishes of Hawaii*, 1905.)
Sauvagea Jordan & Seale, 420; orthotype *LEPIDOBLENNIUS CALEDONICUS* Sauvage. Substitute for *LEPIDOBLENNIUS* Sauvage, preoccupied.
2055. JORDAN & SNYDER (1906). *A Review of the Pæcilliæ or Killifishes of Japan.* Proc. U. S. Nat. Mus., XXXI, 287-290. (Sept. 10, 1906.)
 DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
Oryzias Jordan & Snyder, 289; orthotype *PÆCILIA LATIPES* T. & S.
2056. JORDAN & STARKS (1906). *Notes on a Collection of Fishes from Port Arthur, Manchuria, Obtained by James Francis Abbott.* Proc. U. S. Nat. Mus., XXXI, 515-526. (Sept. 10, 1906.)
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Ranulina Jordan & Starks, 523; orthotype *R. FIMBERIDENS* Jordan & Starks.
2057. JORDAN & STARKS (1906). *A Review of the Flounders and Soles of Japan.* Proc. U. S. Nat. Mus., XXXI, 161-246.
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Cynopsetta (Schmidt) Jordan & Starks, 188; orthotype *C. DUBIA* Schmidt.
Limandella Jordan & Starks, 204; orthotype *PLEURONECTES YOKOHAMÆ* Gthr.
Amate Jordan & Starks, 228; orthotype *ACHIRUS JAPONICUS* T. & S.
2058. LERICHE (1908). *Note préliminaire sur les poissons nouveaux de l'Oligocène Belge.* Bull. Soc. Belge Geol., XXII.
 MAURICE LERICHE.
Neocybium Leriche, 379; orthotype *N. ROSTRATUM* Leriche (fossil).
2059. OGILBY (1906). (*A New Genus of Sharks.*) Proc. Roy. Soc. Queensland, XX.
 JAMES DOUGLAS OGILBY.
Brachælurus Ogilby, 27; orthotype *CHILOSCYLLIUM MODESTUM* Gthr.

2060. OSORIO (1906). *Description d'un poisson des profondeurs appartenant à un genre nouveau et trouvé sur les côtes du Portugal*. Lisboa, J. Sci., VII, 1906, 172-174.

BALTHAZAR OSORIO.

Lophocephalus Osorio, 173; orthotype L. ANTHRAX Osorio.

2061. PAPPENHEIM (1906). *Neue und ungenügend bekannte elektrische Fische (Mormyridæ) aus den deutsch-afrikanischen Schutzgebieten*. Sitzber. Ges. Naturf. Berlin, 1906, 260-264.

PAUL PAPPENHEIM.

Hippopotamyrus Pappenheim, 260; orthotype H. CASTOR Pappenheim.

2062. REGAN (1906). *A Revision of the South American Cichlid Genera Retroculus, Geophagus, Heterogramma, and Biotacrus*. Ann. Mag. Nat. Hist., XVII, 49-66.

CHARLES TATE REGAN.

Heterogramma Regan, 63; orthotype H. BORELLI Regan = H. RITENSE Haseman. Name preoccupied; replaced by APISTOGRAMMA Regan, 1913.

2063. REGAN (1906). *Notes on Some Loricariid Fishes, with Descriptions of Two New Species*. Ann. Mag. Nat. Hist. (7), XVII, 94-98.

CHARLES TATE REGAN.

Thysanocara Regan, 96; orthotype XENOCARA CIRRHOSA Regan.

2064. REGAN (1906). *Descriptions of New or Little Known Fishes from the Coast of Natal*. Ann. Natal Govt. Mus., I, pt. 1, 1-6.

CHARLES TATE REGAN.

Pliotrema Regan, 1; orthotype P. WARRENTI Regan.

2065. SEALE (1906). *Fishes of the South Pacific. Honolulu, H. I.* Occ. Papers Bernice Bishop Mus., 4, 1906, 1-89.

ALVIN SEALE.

Deleastes Seale, 80; orthotype D. DÆCTOR Seale.

2066. SMITH & POPE (1906). *List of Fishes Collected in Japan in 1903, with Descriptions of New Genera and Species*. Proc. U. S. Nat. Mus., XXXI, 459-499. (Sept. 24, 1906.)

HUGH McCORMICK SMITH; THOMAS E. B. POPE.

Tosana Smith & Pope, 470; orthotype T. NIWÆ Smith & Pope.

Satsuma Smith & Pope, 472; orthotype S. MACROPS Smith & Pope. A synonym of MALAKICHTHYS Döderlein.

Lysodermus Smith & Pope, 483; orthotype L. SATSUMÆ Smith & Pope.

Lambdopsetta Smith & Pope, 496; orthotype L. KITAHARÆ Smith & Pope.

2067. SMITH & SEALE (1906). *Notes on a Collection of Fishes from the Island of Mindanao, Philippine Archipelago, with Descriptions of New Genera and Species*. Proc. Biol. Soc. Wash., XIX, 73-82.

HUGH McCORMICK SMITH; ALVIN SEALE.

Illana Smith & Seale, 73; orthotype I. CACABET Smith & Seale.

Caragobius Smith & Seale, 81; orthotype C. TYPHLOPS Smith & Seale.

2068. STEINDACHNER (1906). *Ueber eine neue Gattung und Art aus der Familie der Muraenide, Nettastomops barbatula*. Anz. Ak. Wiss., 1906, 299-300.

FRANZ STEINDACHNER.

- Nettastomops** Steindachner, 299; orthotype *N. BARBATULA* Steind.
2069. STEINDACHNER (1906). *Zur Fischfauna der Samoa-Inseln.* Sb. Ak. Wiss. Wien., CXV, July, 1906.
FRANZ STEINDACHNER.
- Kræmeria** Steindachner, 1409 (41); orthotype *K. SAMOENSIS* Steind. (TRICHONOTIDÆ).
2070. WERNER (1906). *Beiträge zur Kenntnis der Fischfauna des Nils.* Ans Ak. Wiss. Wien., 1906, 325-327.
FRANZ WERNER.
- Slatinia** Werner, 326; orthotype *S. MONGALENSIS* Werner.

1907.

2071. BERG (1907). *Die Cataphracti des Baikal-Sees. (Fam. Cottidæ, Cottomephoridæ und Comphoridæ.) Beiträge zur Osteologie und Systematik.* St. Petersburg und Berlin, 1907, 1-75.
LEW SEMENOWITCH BERG.
- Cottinella** Berg, 45; orthotype *ABYSSOCOTTUS BOULENGERI* Berg.
2072. BERG (1907). *Description of a New Cyprinoid Fish, Paraleucogobio notacanthus, from North China.* Ann. Mag. Nat. Hist., XIX, 1907, 163-164.
LEW SEMENOWITCH BERG.
- Paraleucogobio** Berg, 163; orthotype *P. NOTACANTHUS* Berg.
2073. BERG (1907). *Verzeichniss der Fische von Russisch-Turkestan.* St. Petersburg, Ann. Mus. Zool. Ac. Sc., X, 1905 (1907), 316-332.
LEW SEMENOWITCH BERG.
- Aspiolucius** Berg, 12; orthotype *ASPIUS ESCINUS* Kessler.
2074. BERG (1907). *Description of a New Cyprinoid Fish, Acheilognathus signifer, from Korea, with a Synopsis of All the Known Rhodaina.* Ann. Mag. Nat. Hist., XIX, 159-163.
LEW SEMENOWITCH BERG.
- Pararhodeus** Berg, 160; orthotype *RHODEUS SYRIACUS* Lortet.
2075. BERG (1907). *Beschreibungen einiger neuer Fische aus dem Stromgebiet des Amur.* St. Petersburg, Ann. Mus. Zool. Ac. Sc., XII, 1907, 418-423.
LEW SEMENOVITCH BERG.
- Plagiognathops** Berg, 419; orthotype *PLAGIOGNATHUS JELSKII* Dybowski = *XENOCYPRIS MICROLEPIS* Blkr. A substitute for *PLAGIOGNATHUS* Berg, preoccupied in HEMIPTERA.
2076. EASTMAN (1907). *Devonic Fishes of the New York Formations.* Mem. N. Y. State Mus., X, 1907.
CHARLES ROCHESTER EASTMAN.
- Protitanichthys** Eastman, 144; orthotype *P. FOSSATUS* Eastman (fossil; front half of a cranium of an ARTHRODIRE). A synonym of *COCCOSTEUS* Ag. (See Hussakof. Science, XXVIII, 311, 1909.)

2077. EIGENMANN (1907). *The Poeciliid Fishes of Rio Grande do Sul and the La Plata Basin*. Proc. U. S. Nat. Mus., XXXII, 1907, 425-433 (May 23, 1907).
CARL H. EIGENMANN.
Acanthophaelus Eigenmann, 425; orthotype *POECILIA RETICULATA* Peters. A synonym of *LEBISTES* Philippi, 1861, according to Henn.
Ilyodon Eigenmann, 427; orthotype *I. PARAGUAYENSE* Eigenmann.
Phalloptychus Eigenmann, 430; orthotype *GIRARDINUS JANUARIUS* Hensel.
Phalloceros Eigenmann, 431; orthotype *GIRARDINUS CAUDOMACULATUS* Hensel.
2078. EIGENMANN (1907). *Fowler's "Heterognathus Fishes," with a note on the Stehaprioninae*. Amer. Naturalist, XLI, No. 492, 1907, 767-772.
CARL H. EIGENMANN.
Phenacogaster Eigenmann, 769; orthotype *ASTYANAX PECTINATUS* Cope.
Astyacinus Eigenmann, 769; orthotype *ASTYANAX MOORI* Boulenger.
Fowlerina Eigenmann, 771; orthotype *TETRAGONOPTERUS COMPRESSUS* Gthr. Name preoccupied; replaced by *EPHIPPICARAX* Fowler.
2079. EIGENMANN & BEAN (1907). *An Account of Amazon River Fishes Collected by J. B. Steere, with a Note on Pimelodus clarias*. Proc. U. S. Nat. Mus., XXXI, 659-668. (Jan. 16, 1907.)
CARL H. EIGENMANN; BARTON APPLER BEAN.
Tæniönema Eigenmann & Bean, 662; orthotype *BRACHYPLATYSTOMA STEEREI* Eigenmann & Bean.
Paracetopsis Eigenmann & Bean, 665; orthotype *CETOPSIS OCCIDENTALIS*.
2080. EIGENMANN & OGLE (1907). *An Annotated List of Characine Fishes in the United States Nat. Mus. and the Mus. of Ind. Univ., with Descriptions of New Species*. Proc. U. S. Nat. Mus., XXXIII, 1-36. (Sept. 10, 1907.)
CARL H. EIGENMANN; FLETCHER OGLE.
Gilbertolus Eigenmann, 2; orthotype *ANACYRTUS ALATUS* Steind. Substitute for *GILBERTELLA* Eigenmann, preoccupied.
Evermannolus Eigenmann, 2; orthotype *CYNOPOTAMUS BISERIALIS* Garman. Substitute for *EVERMANNELLA* Eigenmann, preoccupied.
Phenacogrammus Eigenmann, 30; orthotype *MICRALESTES INTERRUPTUS* Boulenger.
2081. EIGENMANN, McATEE & WARD (1907). *On Further Collections of Fishes from Paraguay*. Ann. Carnegie Mus., 4, 1907, 110-157.
CARL H. EIGENMANN; W. J. McATEE; D. P. WARD.
Homodiætus Eigenmann & Ward, 117; orthotype *H. ANISTISTI* Eigenmann & Ward.
Henonemus Eigenmann & Ward, 118; orthotype *STEGOPHILUS INTERMEDIUS* Eigenmann & Eigenmann.
Bryconamericus Eigenmann, 139; orthotype *B. EXODON* Eigenmann.
Deuterodon Eigenmann, 140; orthotype *D. IGUAPE* Eigenmann.
Chætobranchopsis Eigenmann & Ward, 144; orthotype *C. AUSTRALIS* Eigenmann & Ward.
2082. EVERMANN & SEALE (1907). *Fishes of the Philippine Islands*. Bull. Bur. of Fish., XXVI (1906), 1907, 49-110.
BARTON WARREN EVERMANN; ALVIN SEALE.
Nesogrammus Evermann & Seale, 61; orthotype *N. PIERSONI* Evermann & Seale.
Hypomacrus Evermann & Seale, 101; orthotype *H. ALBIENSIS* Evermann & Seale.

2083. FOWLER (1907). *Further Knowledge of Some Heterognathous Fishes, II.* Proc. Ac. Nat. Sci. Phila., LVIII, 431-483. (Jan. 7 and Jan. 16, 1907.)

HENRY WEED FOWLER.

Pellegrinina Fowler, 442; orthotype *P. HETEROLEPIS* Fowler.

Coscinoxyron Fowler, 450; orthotype *CHALCINUS CULTER* Cope.

Thoracocharax Fowler, 452; orthotype *GASTROPELECUS STELLATUS* Kner.

Cyrtocharax Fowler, 454; orthotype *ANACYRTUS LIMESQUAMIS* Cope. A synonym of *CYNOPOTAMUS*.

Cynocharax Fowler, 457; orthotype *ANACYRTUS AFFINIS* Gthr.

Sphyrænocharax Fowler, 460; orthotype *XIPHORHAMPHUS ABBREVIATUS* Cope. A synonym of *ACESTRORHAMPHUS* Eigenmann.

Belonocharax Fowler, 464; orthotype *B. BEANI* Fowler. A synonym of *LUCIOCHARAX* Steind., and of the imperfectly described *CTENOLUCIUS* Gill.

Waiteina Fowler, 473; orthotype *MYLETES NIGRIPINNIS* Cope. Probably a synonym of *COLOSSOMA* Eigenmann.

Reganina Fowler, 475; orthotype *MYLESTES BIDENS* Ag. Probably a synonym of *COLOSSOMA*.

Starksina Fowler, 476; orthotype *MYLESTES HARNIARIUS* Cope. Probably a synonym of *MYLOSOMA*.

Sealeina Fowler, 478; orthotype *MYLESTES LIPPINCOTTIANUS* Cope.

2084. FOWLER (1907). *Some New and Little Known Percoid Fishes.* Proc. Acad. Nat. Sci. Phila., LVIII, 510-528. (Feb. 14, 1907.)

HENRY WEED FOWLER.

Boulengerina Fowler, 512; orthotype *DULES MATO* Lesson. Name preoccupied; replaced by *SAFOLE* Jordan.

Astrapogon Fowler, 527; orthotype *APOGONICHTHYS STELLATUS* Cope.

2085. FOWLER (1907). *Notes on Serranidae.* Proc. Acad. Nat. Sci. Phila., LIX, 249-269. (Aug. 16, 1907.)

HENRY WEED FOWLER.

Chrysoperca Fowler, 250; orthotype *MORONE INTERRUPTA* Gill.

Eudulus Fowler, 264; orthotype *DULES AURIGA* Cuv. Substitute for *DULES* Cuv., regarded as preoccupied by *DULUS*, a genus of birds.

Callidulus Fowler, 265; orthotype *CENTROPRISTIS SUBLIGARIUS* Cope.

2086. FOWLER (1907). *A Collection of Fishes from Victoria, Australia.* Proc. Acad. Nat. Sci. Phila., LIX, 419-444.

HENRY WEED FOWLER.

Psychichthys Fowler, 419; orthotype *HYDROLAGUS WAITEI* Fowler.

Limiculina Fowler, 425; orthotype *CENTRISCUS HUMEROSUS* Rich. A synonym of *CENTRISCOPS* Gill.

Macleayina Fowler, 426; orthotype *HIPPOCAMPUS BLEEKERI* Fowler.

Castelnauia Fowler, 426; orthotype *SOLENOGNATHUS SPINOSISSIMUS* Gthr.

Lesueurina Fowler, 440; orthotype *L. PLATYCEPHALA* Fowler. (Written also *LESUEURIELLA*, a slip of proof-reading.)

2087. GRACIANOV (1907). *Versuch einer Uebersicht der Fische des Russischen Reiches in systematischer und geographischer Hinsicht.* (Text in Russian.) Trd. Otd. Ichtiol. Obsc. Akklimat. Moskva., 4, 1907, 1-567.

VALERIAN GRACIANOV.

Malacobatis Gracianov, 39; orthotype *RAJA MUCOSA* Pallas.

- Hexagrammoides** Gracianov, 289; orthotype *H. nudigensis* Gracianov, which is probably *HEXAGRAMMOS LAGOCEPHALUS* (Pallas) or perhaps *H. SUPERCILIOSUS* (Pallas). A synonym of *HEXAGRAMMOS* Steller. It is very briefly described from a specimen from Bering Island. "Division of the dorsal fin not complete; in the first dorsal about 20 rays." The name "NUDIGENTIS" indicates scaleless cheeks, but *H. STELLERI*, with the cheeks more fully naked, has more than 20 dorsal spines.
- Taurulus** Gracianov, 296; orthotype *COTTUS BUBALIS* Euphrasen.
- Trigrammus** Gracianov, 418; orthotype *ERNOGRAMMUS STROSHI* Schmidt.
- Pseudophidium** Gracianov, 420; orthotype *OPHIDIUM GIGANTEUM* Kittlitz.
2038. GRACIANOV (1907). *Uebersicht de Süßwassercottiden des russischen Reiches*. Zool. Anz., XXXI, 1907, 654-660.
VALERIAN GRACIANOV.
- Cephalocottus** Gracianov, 659; orthotype *COTTUS AMBLYSTOMOPSIS* Schmidt.
- Mesocottus** Gracianov, 660; orthotype *COTTUS HAITEI* Dybowski.
2089. HAY (1907). *A New Genus and Species of Fossil Shark Related to Edestus Leidy*. Science (new ser.), XXVI, 1907, 22-24.
OLIVER PERRY HAY.
- Lissoprion** Hay, 22; orthotype *L. FERRIERI* Hay (fossil).
2090. IHERING (1907). *Diverses espèces novas de peixes nemathognathes de Brazil, notas preliminares*. Revista Mus. Paulista, n. s. I, 13-39.
RUDOLF VON IHERING.
- Rhamdioglanis** Ihering, 16; orthotype *R. FRENATUS* Ihering. A synonym of *IMPARFINIS* Eigenmann & Norris.
- Aspidoras** Ihering, 30; orthotype *A. ROCHEI* Ihering.
- 2090A. IHERING (1907). *Notas Preliminares, fasciculo I*. Revista Mus. Paulista, I, 13-39.
RUDOLF VON IHERING.
- Rhamdioglanis** Ihering, 16; orthotype *R. FRENATUS* Ihering.
2091. JAEKEL (1907). *Ueber Pholidosteus die Mundung und die Körperform der Placodermen*. Sitzber. Ges. Naturf. Freunde, 1907, 170-186.
OTTO JAEKEL.
- Pholidosteus** Jaekel, 171; orthotype *P. FRIEDELII* Jaekel.
2092. JORDAN (1907). *A Review of the Fishes of the Family Histiopteridae Found in the Waters of Japan, with a Note on Tephritis Günther*. Proc. U. S. Nat. Mus., XXXII, 235-239. (Mar. 12, 1907.)
DAVID STARR JORDAN.
- Gilchristia** Jordan, 236; orthotype *HISTIOPTERUS RICHARDSONI* Gilchrist. A synonym of *PSEUDOPENTACEROS* Blkr.
- Quadrarius** Jordan, 236; orthotype *PENTACEROS DEACANTHUS* Gthr.
- Quinquarius** Jordan, 236; orthotype *PENTACEROS JAPONICUS* Döderlein. To replace *PENTACEROS* Cuv. & Val., regarded as preoccupied, a question not yet decided.
- Zanclistius** Jordan, 236; orthotype *HISTIOPTERUS ELEVATUS* Ramsay & Ogilby.
- Evistias** Jordan, 237; orthotype *HISTIOPTERUS ACUTIROSTRIS* T. & S. (not *EVISTIUS* Gill).
- Velifracta** Jordan, 239; orthotype *PLEURONECTES SINENSIS* Lac. Substitute for *TEPHRITIS* Gthr., preoccupied in flies (Fabricius, 1799). A synonym of the earlier substitute, *TEPHRINECTES* Gthr.

2093. JORDAN (1907). *The Fossil Fishes of California, with Supplementary Notes on Other Species of Extinct Fishes*. Univ. Cal. Publ. Geol., V, 1907, 95-144.
DAVID STARR JORDAN.
Xenesthes Jordan, 120; orthotype *X. VELOX* Jordan (fossil).
Etringus Jordan, 121; orthotype *E. SCINTILLANS* Jordan (fossil).
Rogenio Jordan, 128; orthotype *R. SOLITUDINIS* Jordan (fossil).
Merriamella Jordan, 131; orthotype *M. DORYSSA* Jordan (a fossil stickleback). A synonym of *GASTEROSTEUS* L.
Knightia Jordan, 131; orthotype *CLUPEA HUMILIS* Leidy (fossil); the name *HUMILIS* preoccupied; replaced by *KNIGHTIA EOCENA* Jordan.
Eobrycon Jordan, 140; orthotype *TETRAGONOPTERUS AVUS* Boulenger (fossil).
2094. JORDAN & HERRE (1907). *A Review of the Cirrhitoid Fishes of Japan*
Proc. U. S. Nat. Mus., XXXIII, 157-167. (Oct. 23, 1907.)
DAVID STARR JORDAN; ALBERT CHRISTIAN HERRE (1868-).
Isobuna Jordan, 158; orthotype *PARACIRRHITES JAPONICA* Steind. A substitute for *PARACIRRHITES* Steind., preoccupied.
2095. JORDAN & SEALE (1907). *Fishes of the Islands of Luzon and Panay*.
Bull. Bur. Fish., XXIV (1906), 1907, 1-48.
DAVID STARR JORDAN; ALVIN SEALE.
Gennadius Jordan & Seale, 37; orthotype *SEBASTES STOLICZKÆ* Day. A synonym of *CENTROGENYS* Rich., a Serranoid fish which resembles a Scorpaenoid.
Elates Jordan & Seale, 39; orthotype *E. THOMPSONI* Jordan & Seale.
Creisson Jordan & Seale, 43; orthotype *C. VALIDUS* Jordan & Seale.
2096. JORDAN & STARKS (1907). *Note on Otohime, a New Genus of Gurnards*.
Proc. U. S. Nat. Mus., XXXII, 131-133.
DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Otohime Jordan & Starks, 131; orthotype *TRIGLA HEMISTICTA* T. & S. A near relative of *PTERYGOTRIGLA* Waite; perhaps a synonym.
2097. MATTHEW (1907). *A New Genus and a New Species of Silurian Fish*
Proc. and Trans. Roy. Soc. Canada, Series I, Sec. 4, pp. 7-9.
GEORGE FREDERICK MATTHEW.
Ctenopleuron Matthew, 7; orthotype *C. NEREPISENSE* Matthew (fossil OSTRACOPHORE, New Brunswick).
2098. MAWSON AND WOODWARD (1907). *On the Cretaceous Formation of Bahia (Brazil) and on Vertebrate Fossils Collected Therein*. Quart. Journ. Geol. Soc., 63, 1907, 128-138.
JOSEPH MAWSON; ARTHUR SMITH WOODWARD.
Mawsonia Woodward, 134; orthotype *M. GIGAS* Woodw. (fossil).
2099. MEEK (1907). *Synopsis of the Fishes of the Great Lakes of Nicaragua*.
Field Columb. Mus. Pub. Zool., Ser. 7, 1907, 97-132.
SETH EUGENE MEEK.
Erythrichthys Meek, 114; orthotype *HEROS CITRINELLUS* Gthr. Name twice preoccupied.
2100. OGILBY (1907). *Symbranchiate and Apodal Fishes New to Australia*.
Proc. Roy. Soc. Queensland, XX, 1906, 1-15.
JAMES DOUGLAS OGILBY.

Rhabdura Ogilby, 13; orthotype *MURENA MACRURA* Blkr. A synonym of *EVENCHELYS* J. & E.

2101. OGILBY (1907). *Some New Pediculate Fishes*. Proc. Roy. Soc. Queensland, XX, 1906, 17-25.

JAMES DOUGLAS OGILBY.

Rhycherus Ogilby, 17; orthotype *R. WILDII* Ogilby.

Tathicarpus Ogilby, 19; logotype *T. BUTLERI* Ogilby.

Æschynichthys Ogilby, 25; orthotype *DICERATIUS BISPINOSUS* Gthr. Substitute for *DICERATIUS* Gthr., regarded as preoccupied by a genus (*DICERATIA*) of Mollusks.

2102. PELLÉGRIN (1907). *Sur un Poisson acanthopterygien éocène (Parapygæus polyacanthus n. g. n. sp.)*. Bull. Soc. Philom. Paris, ser. 9, 171-179.

JACQUES PELLÉGRIN.

Parapygæus Pellégrin, 172; orthotype *P. POLYACANTHUS* Pellégrin (fossil).

2103. PELLÉGRIN (1907). *Siluride nouveau du Fouta-Djalou*. Bull. Museum Paris, 1907, 25-27.

JACQUES PELLÉGRIN.

Paramphilius Pellégrin, 23; orthotype *P. TRICHOMYCTEROIDES* Pellégrin.

2104. REGAN (1907). *Pisces*. Biol. Centr. Amer., 1907, 33-168.

CHARLES TATE REGAN.

Xenatherina Regan, 64; orthotype *MENIDIA LISA* Meek.

Pogonopoma Regan, 205; orthotype *PLECOSTOMUS WERTHHEIMERI* Steind.

2105. REGAN (1907). *Descriptions of Two New Characinid Fishes from Argentina*. Ann. Mag. Nat. Hist., 1907 (7), XIX, 261-2.

CHARLES TATE REGAN.

Pogonocharax Regan, 261; orthotype *P. REHI* Regan.

Phoxinopsis Regan, 262; orthotype *P. TYPICUS* Regan.

2106. REGAN (1907). *Descriptions of Two New Characinid Fishes from South America*. Ann. Mag. Nat. Hist., XX, 1907, 402-403.

CHARLES TATE REGAN.

Mimagoniates Regan, 402; orthotype *M. BARBERI* Regan.

Ctenocharax Regan, 403; orthotype *C. BOGOTENSIS* Regan. Probably a synonym of *GRUNDULUS BOGOTENSIS* Humboldt.

2107. RIBEIRO (1907). *Una novidade ichthyologica; Kosmos, Rio de Janeiro, IV*.

ALÍPIO DE MIRANDA RIBEIRO.

Typhlobagrus Ribeiro, 21; orthotype *T. KRONEI* Ribeiro.

2108. SAUVAGE (1907). *Sur les poissons de la famille des Cichlidae trouvés dans le terrain de Guelma*. Comptes Rendus, Acad. Sci., 145, 1907, 360-361.

HENRI ÉMILE SAUVAGE.

Palæochromis Sauvage, 361; logotype *P. DARESTI* Sauvage (fossil).

2109. WAITE (1907). *The Generic Name Crepidogaster*. Rec. Austr. Mus., VI, 1907.

EDGAR RAVENSWOOD WAITE.

Aspasmagaster Waite, 315; orthotype *CREPIDOGASTER TASMANIENSIS* Gthr. Substitute for *CREPIDOGASTER* Gthr., preoccupied.

2110. WEBER (1907). *Süßwasserfische von Neu-Guinea; ein Beitrag zur Frage nach dem früheren Zusammenhang von Neu-Guinea und Australien.* In *Nova Guinea, V.* Zoologie, Leiden, 1907, 529.

MAX WEBER.

Glossolepis Weber, 241; orthotype *G. INCISUS* Weber.

2111. WOODWARD (1907). *The Fossil Fishes of the English Chalk. Pt. III.* Monogr. Palæont. Soc., 61, 1907, 97-128.

ARTHUR SMITH WOODWARD.

Dinelops Woodward. 121; orthotype *D. ORNATUS* Woodw. (fossil).

1908.

2112. BARBOUR (1908). *Notes on Rhinomuræna.* Proc. Biol. Soc. Washington, XXI, 39-41.

THOMAS BARBOUR (1884-).

Rhinechidna Barbour, 41; orthotype *RHINOMURENA ERITIMA* Jordan & Seale.

2113. BERG (1908). *Vorläufige Bemerkungen über die europäischasiatischen Salmoniden, insbesondere die Gattung Thymallus.* Ann. Mus. Zool. St. Petersburg, XII, 1908, 500-514.

LEW SEMENOVICH BERG.

Salmothymus Berg, 502; orthotype *SALMO OBTUSIROSTRIS* Heckel.

Thymalloides Berg, 503; logotype *SALMO ARCTICUS* Pallas.

2114. BOULENGER (1908). *Diagnoses of New Fishes Discovered by Capt. E. L. Rhoades in Lake Nyassa.* Ann. Mag. Nat. Hist., II, 1908, 238-243.

GEORGE ALBERT BOULENGER.

Chilotilapia Boulenger, 243; orthotype *C. RHODESII* Boulenger.

2115. DOLLO (1908). *Notolepis coatsi. Poisson pélagique nouveau recueilli par l'Expédition Antarctique Nationale Écossaise.* Edinburgh, Proc. Roy. Soc., XXVIII, 58-65.

LOUIS DOLLO.

Notolepis Dollo, 58; orthotype *N. COATSI* Dollo.

2116. EASTMAN (1908). *Devonian Fishes of Iowa. (With Special Description of the Auditory Organ and Other Soft Parts of Rhadinichthys deani Eastman . . . G. H. Parker.)* Iowa Geol. Surv. Rept., XVIII (1907), 1908, 29-360.

CHARLES ROCHESTER EASTMAN.

Palæophichthys Eastman, 253; orthotype *P. PARVULUS* Eastman (fossil). (CROSSOPTERYGIAN from Illinois coal measures.)

2117. EIGENMANN (1908). *Preliminary Descriptions of New Genera and Species of Tetragonopterid Characins. (Zoological Results of the Thayer Brazilian Expedition.)* Bull. Mus. Comp. Zool. Harvard Coll., LII, 1908, 91-106.

CARL H. EIGENMANN.

Gymnocorymbus Eigenmann, 93; orthotype *G. THAYERI* Eigenmann.

Ctenobrycon Eigenmann, 94; orthotype *TETRAGONOPTERUS HAUXWELLIANUS* Cope.

Thayeria Eigenmann, 94; orthotype *T. OBLIQUA* Eigenmann.

- Psellogrammus** Eigenmann, 96; orthotype **HEMIGRAMMUS KENNEDYI** Eigenmann.
Poptella Eigenmann, 99; orthotype **TETRAGONOPTERUS LONGIPINNIS** Eigenmann.
Pristella Eigenmann, 99; orthotype **HOLOPRISTES RIDDEII** Meek.
Hyphessobrycon Eigenmann, 100; orthotype **HEMIGRAMMUS COMPRESSUS** Meek.
Brycochandus Eigenmann, 106; orthotype **B. DURBINI** Eigenmann.
2118. FOWLER (1908). *Notes on Lancelets and Lampreys*. Proc. Acad. Nat. Sci. Phila., LIX, 1908, 461-466. (Jan. 27, 1908.)
 HENRY WEED FOWLER.
Oceanomyzon Fowler, 461; orthotype **O. WILSONI** Fowler.
2119. GARMAN (1908). *New Plagiostomia and Chismopneca*. Bull. Mus. Comp. Zool. Harvard Coll., LI, 249-256.
 SAMUEL GARMAN.
Aëtomylæus Garman, 252; orthotype **MYLIOBATIS MACULATUS** Gray.
2120. JORDAN & BRANNER (1908). *The Cretaceous Fishes of Ceará, Brazil*. Smithsonian Inst. Misc. Collect., LII, 1908, 1-29.
 DAVID STARR JORDAN; JOHN CASPER BRANNER (1850-).
Tharrhias Jordan & Branner, 13; orthotype **T. ARARIPIS** Jordan & Branner (fossil).
Enneles Jordan & Branner, 23; orthotype **E. AUDAX** Jordan & Branner (fossil).
Cearana Jordan & Branner, 27; orthotype **C. ROCHLE** Jordan & Branner (fossil).
2121. JORDAN & RICHARDSON (1908). *A Review of the Flat-Heads, Gurnards, and Other Mail-Checked Fishes of the Waters of Japan*. Proc. U. S. Nat. Mus., XXXIII, 629-670.
 DAVID STARR JORDAN; ROBERT EARL RICHARDSON (1878-).
Rogadius Jordan & Richardson, 630; orthotype **PLATYCEPHALUS ASPER** Cuv. & Val.
Bambradon Jordan & Richardson, 643; orthotype **BEMBRAS LÆVIS** Nyström.
Ebisinus Jordan & Richardson, 665; orthotype **DACTYLOPTERUS CHIROPHTHALMUS** Blkr.
Dactyloptena Jordan & Richardson, 665; orthotype **DACTYLOPTERUS ORIENTALIS** Cuv. & Val.
Daicocus Jordan & Richardson, 667; orthotype **DACTYLOPTERUS PETERSeni** Nyström.
2122. JORDAN & RICHARDSON (1908). *Fishes from the Islands of the Philippine Archipelago*. Bull. Bur. Fish. XXVII (1907), 1908, 233-287.
 DAVID STARR JORDAN; ROBERT EARL RICHARDSON.
Aparrius Jordan & Richardson, 278; orthotype **A. ACUTIPINNIS** Jordan & Richardson.
2123. JORDAN & SNYDER (1908). *Descriptions of Three New Species of Carangoid Fishes from Formosa*. Mem. Carneg. Mus., IV, 37-40.
 DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
Ulua Jordan & Snyder, 39; orthotype **U. RICHARDSONI** Jordan & Snyder.
2124. JORDAN & STARKS (1908). *On a Collection of Fishes from Fiji, with Notes on Certain Hawaiian Fishes*. Proc. U. S. Nat. Mus., XXXIV. (Sept. 14, 1908.)
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Rastrelliger Jordan & Starks, 607; orthotype **SCOMBER BRACHYSOMUS** Blkr.
2125. OGILBY (1908). *New or Little Known Fishes in the Queensland Museum*. Ann. Queensland Mus., IX, Pt. 1, 1908, 1-41.
 JAMES DOUGLAS OGILBY.

Cirriscyllium Ogilby, 4; orthotype *CHILOSCYLLIUM MODESTUM* Gthr. A synonym (due to oversight) of *BRACHÆLURUS* Ogilby.

Nemapteryx Ogilby, 10; orthotype *ARIUS STIRLINGI* Ogilby.

Anyperistius Ogilby, 11; orthotype *A. PERUGIÆ* Ogilby = *EUMEDA ELONGATA* Perugia, not of Castelnau, which is the young of *NEOSILURUS HYRTLII* Steind. A synonym of *TANDANUS* Mitchell.

Jenynsella Ogilby, 15; orthotype *J. WEATHERILLI* Ogilby. A synonym of *RETROPINNA* Gill.

Squalomugil Ogilby, 28; orthotype *MUGIL NASUTUS* De Vis. A synonym of *RHINO-MUGIL* Gill.

2126. OGILBY (1908). *Revision of the Batrachoididæ of Queensland*. Ann. Queensland Mus., IX, pt. 2, 43-57. (These genera of Toad-fishes had been indicated, not described, by Ogilby in the Ann. Rept. Amateur Fishermen's Association, Queensland, 1907.)

JAMES DOUGLAS OGILBY.

Batrachomœus Ogilby, 46; orthotype *B. BROADBENTI* Ogilby. Perhaps a synonym of *PSEUDOBATRACHUS* Castelnau, imperfectly described.

Halobatrachus Ogilby, 46; orthotype *BATRACHUS DIDACTYLUS* Bl. & Schn.

Coryzichthys Ogilby, 51; orthotype *BATRACHUS DIEMENSIS* Ogilby.

2127. OGILBY (1908). *Descriptions of New Queensland Fishes*. Proc. Roy. Soc. Queensland, XXI, 1908, 87-98.

JAMES DOUGLAS OGILBY.

Eurycaulus Ogilby, 91; orthotype *BELONE PLATYURA* Cuv. & Val. (gill rakers present; tail keeled). Name preoccupied; replaced by *TROPIDOCAULUS* Ogilby.

Stenocaulus Ogilby, 91; orthotype *BELONE KREFFTI* Gthr.

Pseudomycterus Ogilby, 94; orthotype *M. MACCULLOCHI* Ogilby. A synonym or section of *SCLENA* L.

2128. OGILBY (1908). *On New Genera and Species of Fishes*. Proc. Roy. Soc. Queensland, XXI, 1-26.

JAMES DOUGLAS OGILBY.

Ptenonotus Ogilby, 13; orthotype *EXOCÆTUS CIRRIGER* Peters.

Merogymnus Ogilby, 18; orthotype *M. EXIMIUS* Ogilby.

2129. PASCOE (1908). *Marine Fossils in the Yenangyaung Oil-Field, Upper Burma*. Records Geol. Surv. India, XXXVI, 135-142.

E. H. PASCOE.

Twingonia Pascoe, 138, pl. 18; (no specific name proposed) (fossil, Miocene). Described as a foraminifer, but later shown by E. W. Vredenburg to be a fish otolith or ear bone (*vide* Hussakof).

2130. PELLÉGRIN (1908). *Characinides Américains nouveaux de la Collection du Muséum d'Histoire Naturelle*. Bull. Mus. d'Hist. Nat. Paris, VII, 342-347.

JACQUES PELLÉGRIN.

Anostomoides Pellégrin, 346; orthotype *A. ANALIS* Pellégrin.

2131. REGAN (1908). *Report on the Marine Fishes Collected by Mr. J. Stanley Gardiner in the Indian Ocean*. Trans. Linn. Soc. London, XII, 1908, 217-225.

CHARLES TATE REGAN.

Borostomias Regan, 217; orthotype *B. BRAUERI* Regan.

Xenanthias Regan, 223; orthotype *X. GARDINERI* Regan.

- Pogonoscorpius** Regan, 236; orthotype *P. SEYCHELLENSIS* Regan.
Psammichthys Regan, 246; orthotype *P. NUDUS* Regan.
Sladenia Regan, 250; orthotype *S. GARDINERI* Regan.
2132. REGAN (1908). *Descriptions of New Fishes from Lake Candidius, Formosa, Collected by Dr. A. Moltrecht.* Ann. Mag. Nat. Hist., II, 1908, 358-360.
 CHARLES TATE REGAN.
Pararasbora Regan, 360; orthotype *P. MOLTRECHTI* Regan.
2133. REGAN (1908). *A Synopsis of the Fishes of the Subfamily Salanginae.* Ann. Mag. Nat. Hist. (8), II, 444-446.
 CHARLES TATE REGAN.
Hemisialanx Regan, 444; orthotype *H. PROGNATHIUS* Regan.
Parasalanx Regan, 444; logotype *P. GRACILLIMUS* Regan.
2134. REGAN (1908). *A New Generic Name for An Orectolobid Shark.* Ann. Mag. Nat. Hist., II, 1908, 454-455.
 CHARLES TATE REGAN.
Heteroscyllium Regan, 455; orthotype *BRACHÆLURUS COLCLOUGHI* Ogilby.
2135. REGAN (1908). *A Collection of Fresh-Water Fishes Made by Mr. C. F. Underwood in Costa Rica.* Ann. Mag. Nat. Hist., II, 1908, 455-464.
 CHARLES TATE REGAN.
Petalosoma Regan, 458; orthotype *P. CULTRATUM* Regan.
Xenorhynchichthys Regan, 461; orthotype *JOTURUS STIPES* J. & G.
Tomocichla Regan, 463; orthotype *T. UNDERWOODI* Regan.
2136. REGAN (1908). *A Revision of the Sharks of the Family Orectolobidae.* Proc. Zool. Soc. London, 1908, 347-364.
 CHARLES TATE REGAN.
Eucrossorhinus Regan, 357; orthotype *CROSSORHINUS DASYPOGON* Blkr.
2137. RIBEIRO (1908). *Peixes da Ribeiro, resultados de excursao do Senhor Ricardo Kronc . . .* Kosmos, Rio de Janeiro, V, 1-5.
 ALIPIO DE MIRANDA RIBEIRO.
Cælorichthys Ribeiro, 2; orthotype *C. IPORANGÆ* Ribeiro.
- 2137A. RIBEIRO (1908). *Peixes, da Ribeiro, resultados de excursão do Sr. Ricardo Kronc, membro correspondente do Museu Nacional do Rio de Janeiro,* V, 1-5.
 ALIPIO DE MIRANDA RIBEIRO.
- Kronichthys** Ribeiro, 1; orthotype *K. SUBTERES* Ribeiro; a synonym of *HEMIPSIL-ICHTHYS* Eigenmann.
2138. SEALE & BEAN (1908). *On a Collection of Fishes from the Philippine Islands, Made by Maj. Edgar A. Mearns, Surgeon, U. S. Army, with Descriptions of Seven New Species.* Proc. U. S. Nat. Mus., XXXII, 1908, 229-248.
 ALVIN SEALE; BARTON APPLER BEAN.
Mearnsella Seale & Bean, 229; orthotype *M. ALESTES* Seale & Bean.
2139. SNYDER (1908). *Descriptions of Eighteen New Species and Two New Genera of Fishes from Japan and the Riu Kiu Islands.* Proc. U. S. Nat. Mus., XXXV, 93-111. (Oct. 30, 1908).
 JOHN OTTERBEIN SNYDER.

Doryptena Snyder, 102; orthotype D. OKINAWÆ Snyder.

Xenisthmus Snyder, 105; orthotype X. PRORIGER Snyder.

2140. STARKS (1908). *On a Communication Between the Air-Bladder and the Ear in Certain Spiny-Rayed Fishes.* Science, XXVIII, 1908. 613-614.

EDWIN CHAPIN STARKS.

Adioryx Starks, 614; orthotype HOLOCENTRUM SUBORBITALE Gill.

2141. STEINDACHNER (1908). *Ueber eine im Rio Juraguá bei Joinville, im Staate S. Catharina, Brasilien . . . eine neue Characinengattung.* Anz. Ak. Wiss. Wien., LXV.

FRANZ STEINDACHNER.

Zungaropsis Steindachner, 7; orthotype Z. MULTIMACULATUS Steind.

Joinvillea Steindachner, 30; orthotype J. ROSÆ Steind. A synonym of DEUTERODON Eigenmann.

2142. TANAKA (1908). *Notes on Some Rare Fishes of Japan, with Descriptions of Two New Genera and Six New Species.* Journ. Coll. Sci. Tokyo, XXIII, Art. 13, 1-24.

SHIGEHIO TANAKA.

Tetronarcine Tanaka, 2; orthotype T. TOKIONIS Tanaka.

Gymnosimenchelys Tanaka, 2; orthotype G. LEPTOSOMUS Tanaka.

Paraceratias Tanaka, 18; orthotype CERATIAS MITSUKURII Tanaka.

Owstonia Tanaka, 46; orthotype O. TOTOMIENSIS Tanaka.

2143. WOODWARD (1908). *The Fossil Fishes of the Hawkesbury Series at St. Petersburg.* Mem. Geol. Surv. New South Wales, Palaeontology, X, pp. vi, 31.

ARTHUR SMITH WOODWARD.

Elpisopholis Woodward, 17; orthotype E. DUNSTANI Woodw. (fossil) (PALÆONISCIDÆ).

1909.

2144. ANNANDALE (1909). *Report on the Fishes Taken by the Bengal Fisheries Steamer "Golden Crown." Part I, Batoidæ.* Mem. Ind. Mus. Calcutta, 2, no. 1, 1909, 1-58.

NELSON ANNANDALE.

Bengalichthys Annandale, 47; orthotype B. IMPENNIS Annandale.

2145. BEAN & WEED (1909). *Description of a New Skate (Dactylobatus armatus) from Deep Water off the Southern Atlantic Coast of the United States.* Proc. U. S. Nat. Mus., XXXVI, 1909, 459-561. (May 27, 1909.)

BARTON APPLER BEAN; ALFRED C. WEED.

Dactylobatus Bean & Weed, 459; orthotype D. ARMATUS Bean & Weed.

2146. BOULENGER (1909). *Descriptions of New Fresh-Water Fishes Discovered by Mr. G. L. Bates in South Cameroon.* Ann. Mag. Nat. Hist., IV, 1909, 186-188.

GEORGE ALBERT BOULENGER.

Champsoborus Boulenger, 187; orthotype C. PELLEGRINI Boulenger.

2147. BROOM (1909). *The Fossil Fishes of the Upper Karoo Beds of South Africa*. Ann. S. Afr. Mus., VII, 251-268.

ROBERT BROOM.

- Helichthys** Broom, 254; orthotype *H. BROWNII* Broom (fossil). (PALÆONISCID.)
Hydropessum, 266; orthotype *H. TANNEMEYERI* Broom (fossil). (Imperfect Fish, GANOID.)

2148. CLIGNY (1909). *Sur un nouveau genre de Zéides*. Comptes Rendus. Acad. Sci. Paris, 148, 1909, 873-874.

ADOLPHE CLIGNY.

- Parazenopsis** Cligny, 874; orthotype *P. ARGENTEUS* Cligny.

2149. COCKERELL (1909). *The Nomenclature of the American Fishes Usually Called Leuciscus and Rutilus*. Proc. Biol. Soc. Wash., XXII, 1909, 215-217.

THEODORE DRU ALISON COCKERELL.

- Temeculina** Cockerell, 216; orthotype *LEUCISCUS ORCUTTI* Eigenmann & Eigenmann.
Margariscus Cockerell, 217; orthotype *CLINOSTOMUS MARGARITA* Cope.

2150. COCKERELL & ALLISTON (1909). *The Scales of Some American Cyprinidae*. Proc. Biol. Soc. Wash., XXII, 1909, 157-163.

THEODORE DRU ALISON COCKERELL; EDITH M. ALLISTON.

- Macrhybopsis** Cockerell & Alliston, 162; orthotype *GOBIO GELIDUS* Grd.

2151. COCKERELL & CALLAWAY (1909). *Observations on the Fishes of the Genus Notropis*. Proc. Biol. Soc. Wash., XXII, 1909, 189-196.

THEODORE DRU ALISON COCKERELL; OTIS CALLAWAY.

- Coccogenia** Cockerell & Callaway, 190; orthotype *HYSPILEPIS COCCOGENIS* Cope. A synonym of *Coccotis* Jordan.

2152. DOLLO (1909). *Cynomacrurus pirici, poisson abyssal nouveau recueilli par l'Expédition Antarctique Nationale Écossaise*. Proc. Roy. Soc. Edimb., XXIX, 1909, 316-326.

LOUIS DOLLO.

- Cynomacrurus** Dollo, 316; orthotype *C. PIRIEI* Dollo.

2153. DURBIN (1909). *A New Genus and Twelve New Species of Tetragonopterid Characins. (Reports on the Expedition to British Guiana of the Indiana University and the Carnegie Museum, 1908, No. 2.)* Ann. Carneg. Mus., VI, 1909, 55-72.

MARION LEE DURBIN.

- Dermatocheir** Durbin, 55; orthotype *D. CATABLEPTA* Durbin.

2154. EIGENMANN (1909). *Some New Genera and Species of Fishes from British Guiana. (Reports on the Expedition to British Guiana of the Indiana University and the Carnegie Museum, 1908, No. 1.)* Ann. Carneg. Mus., VI, 1909, 4-54.

CARL H. EIGENMANN.

- Corymbophanes** Eigenmann, 5; orthotype *C. ANDERSONI* Eigenmann.

- Lithogenes** Eigenmann, 6; orthotype *L. VILLOSUS* Eigenmann.

- Pterodiscus** Eigenmann, 12; orthotype *P. LEVIS* Eigenmann.

- Carnegiella** Eigenmann, 13; orthotype *GASTEROPELECUS STRIGATUS* Gthr.

- Holobrycon** Eigenmann, 33; orthotype *BRYCON PESU* M. & T.

- Triurobrycon** Eigenmann, 33; orthotype *BRYCON LUNDII* Lütken.

- Pœcilocharax** Eigenmann, 34; orthotype *P. BOVALII* Eigenmann.
Pœcilibrycon Eigenmann, 43; orthotype *P. HARRISONI* Eigenmann.
Archicheir Eigenmann, 46; orthotype *A. MINUTUS* Eigenmann.
Acanthophaelus Eigenmann, 52; orthotype *A. MELANZONUS* Eigenmann.
Tomeurus Eigenmann, 53; orthotype *T. GRACILIS* Eigenmann.
Microcharax Eigenmann, 55; orthotype *NANNOSTOMUS LATERALIS* Boulenger.
2155. EIGENMANN (1909). *The Fresh-Water Fishes of Patagonia, and An Examination of the Archiplata-Archihelenis Theory*. Princeton Univ., 3, (Zoology), 1909, 225-374.
 CARL H. EIGENMANN.
Hatcheria Eigenmann, 250; orthotype *H. PATAGONIENSIS* Eigenmann.
2156. GILCHRIST & THOMPSON (1909). *Descriptions of Fishes from the Coast of Natal, Pt. 2*. Ann. S. African Mus., VI, 1909, 213-276.
 J. D. F. GILCHRIST; WARDLAW THOMPSON.
Chæropsodes Gilchrist & Thompson, 260; orthotype *C. PICTUS* Gilchrist & Thompson.
2157. HUSSAKOF (1909). *The Systematic Relations of Certain American Arthrodires*. Bull. Amer. Mus. Nat. Hist., XXVI, 263-272.
 LOUIS HUSSAKOF.
Brachygnathus Hussakof, 263; orthotype *DINICHTHYS MINOR* Newberry (fossil).
 Based on mandible and dorsomedian. Preoccupied; name replaced by *HUSSAKOFIA* Cossman.
- Dinognathus** Hussakof, 268; orthotype *D. FEROX* Hussakof (fossil). Dental element (fossil: Upper Devonian, Ohio).
2158. JAEKEL (1909). *Fischreste aus den Mamfe-Schiefern*. (In *Beiträge zur Geologie vom Kammerer*, bearb., V. C. Guillemin.) Abh. Geol. Landes Anst. (N. F.), H. 62, 1909 (1910), 392-398.
 OTTO JAEKEL.
Proportheus Jaekel, 396; orthotype *P. KAMERUNI* Jaekel (fossil).
2159. JORDAN & RICHARDSON (1909). *A Catalogue of the Fishes of the Island of Formosa or Taiwan, Based on the Collection of Dr. Hans Sauter*. Mem. Carneg. Mus., IV, No. 4, 1909, 159-204.
 DAVID STARR JORDAN; ROBERT EARL RICHARDSON.
Candidia Jordan & Richardson, 169; orthotype *OPSARICHTHYS BARBATUS* Regan.
2160. PELLÉGRIN (1909). *Characiniés du Brésil, rapportés par M. Jobert*. Bull. Museum Paris, 1909, 147-153.
 JACQUES PELLÉGRIN.
Curimatella Pellégrin, 150; orthotype *CURIMATUS ALBURNUS* M. & T.
Jobertina Pellégrin, 151; orthotype *CHARICIDIUM INTERRUPTUM* Pellégrin.
2161. PELLÉGRIN (1909). *Characiniés américains nouveaux de la collection du Muséum d'histoire naturelle*. Bull. Mus. Paris, 1908, 342-347.
 JACQUES PELLÉGRIN.
Anostomoides Pellégrin, 346; orthotype *A. ATRIANALIS* Pellégrin.
2162. SEALE (1909). *New Species of Philippine Fishes*. Philip. Journ. Sci., IV, 1909, 49-543.
 ALVIN SEALE.
Biat Seale, 532; orthotype *B. LUZONICA* Seale.
Macgregorella Seale, 533; orthotype *M. MOROANA* Seale.

2163. SNYDER (1909). *Descriptions of New Genera and Species of Fishes from Japan and the Riu Kiu Islands*. Proc. U. S. Nat. Mus., XXXVI, 1909, 597-610. (June 18, 1909.)
JOHN OTTERBEIN SNYDER.
Expedio Snyder, 606; orthotype *E. PARVULUS* Snyder.
Inu Snyder, 607; orthotype *I. KOMA* Snyder.
2164. STECHE (1909). *Die Leuchtorgane von . . . zwei Oberflächenfischen aus dem Malaischen Archipel*. Zeit. Wiss. Zool. XCIII.
OTTO STECHE.
Protoblepharon Steche, about 400; orthotype *P. PALPEBRATUS*.
2165. TANAKA (1909). *Descriptions of One New Genus and Ten New Species of Japanese Fishes*. Journ. Coll. Sci. Tokyo, XXVII, 1-27.
SHIGEHIO TANAKA.
Antelochimæra Tanaka, 1; orthotype *A. CHÆTIRHAMPHUS* Tanaka.
2166. TOULD (1909). *Eine jungstüäre Fauna von Gatun am Panama-kanal*. Wien. Jahrb. Geol. Rechs. Anst., LVIII, 1908 (1909), 673-760.
FRANZ TOULD.
Scaroides Toul. 687; orthotype *S. GATUNENSIS* Tould.
2167. WAITE (1909). *Scientific Results of the New Zealand Government Traveling Expedition*. Rec. Canterbury Mus., I. (July, 1909.)
EDGAR RAVENSWOOD WAITE.
Typhlonarke Waite, 16; orthotype *A. STRAPE AYSONI* Hamilton.
Arhynchobatis Waite, 20; orthotype *A. ASPERRIMUS* Waite.
2168. WEBER (1909). *Diagnosen neuer Fische der Siboga-Expedition*. Leiden; Notes Mus. Jentink, XXXI, 1909, 143-169.
MAX WEBER.
Rhabdamia Weber, 165; orthotype *R. CLUPEIFORMIS* Weber.
Siphamia Weber, 168; orthotype *S. TUBIFER* Weber.

 1910.

2169. BOULENGER (1910). *On a Large Collection of Fishes Made by Dr. W. J. Ansorge in the Quanza and Bengo Rivers, Angola*. Ann. Mag. Nat. Hist., VI, 1910, 537-561.
GEORGE ALBERT BOULENGER.
Xenopomatchthys Boulenger, 542; orthotype *X. ANSORGII* Boulenger.
Nematogobius Boulenger, 560; orthotype *N. ANSORGII* Boulenger.
2170. CHAPMAN (1910). *A Study of the Batesford Limestone*. Proc. Roy. Soc. Vict. Melbourne, XX, 307.
FREDERICK REVANS CHAPMAN.
Metaceratodus Chapman, 25; orthotype *CERATODUS WOLLASTONI* Chapman (fossil).
2171. COCKERELL (1910). *The Scales of the African Cyprinid Fishes, with a Discussion of Related Asiatic and European Species*. Proc. Biol. Soc. Wash., XXIII, 141-152.
THEODORE DRU ALISON COCKERELL.

- Acapoëta** Cockerell, 149; orthotype *VARICORHINUS TANGANICÆ* Boulenger.
2172. COSSMAN (1910). *Rectifications de Nomenclature*. Revue Critique Paléozoologie, XIV, 74.
MAURICE COSSMAN.
- Hussakofia** Cossman, 74; orthotype *DINICHTHYS MINOR* Newberry (fossil). (ARTHRODIRE; Devonic, Ohio.) Substitute for *BRACHYGNATHUS* Hussakof, twice preoccupied.
2173. EIGENMANN (1910). *Catalogue and Bibliography of the Fresh-Water Fishes of Temperate and South Temperate America. (Rept. Princeton Univ. Expedition to Patagonia, 1896, 1899, III, Pt. 2)* Zoology, 375-511.
CARL H. EIGENMANN.
- Megalonema** Eigenmann, 383; orthotype *M. PLATYCEPHALUM* Eigenmann.
- Hollandichthys** Eigenmann, about 400; orthotype *H. MULTIFASCIATUS* Eigenmann & Norris.
2174. FOWLER (1910). *Notes on Butoïd Fishes*. Proc. Acad. Nat. Sci. Phila., LXII, 1910, 468-475. (Aug. 17, 1910.)
HENRY WEED FOWLER.
- Discotrygon** Fowler, 468; orthotype *DISCOBATIS MARGINIPINNIS* Macleay & Macleay = *RAIA LYMMA* Forskål. A synonym of *TENIURA* M. & H. Name a substitute for *DISCOBATIS* Macleay & Macleay, regarded as preoccupied by *DISCOBATUS*.
- Eunarce** Fowler, 472; orthotype *TORPEDO NARKE* Risso.
- Pteroplatytrygon** Fowler, 474; orthotype *TRYGON VIOLACEUM* Bon.
2175. FOWLER (1910). *Descriptions of Four New Cyprinoids (Rhodeine)*. Proc. Acad. Nat. Sci. Phila., LXII, 1910, 476-486. (Aug. 17, 1910.)
HENRY WEED FOWLER.
- Rhodeops** Fowler, 479; orthotype *ACHEILOGNATHUS BREVIANALIS* Fowler.
- Hemigrammocypriis** Fowler, 483; orthotype *H. RASBORELLA* Fowler.
2176. FRAAS (1910). *Chimäridenreste aus dem oberen Lias von Holzmaden*. Stuttgart, Jahreshefte Ver. Natk., LXVI, 1910, 55-63.
OSCAR FRIEDRICH FRAAS.
- Acanthorhina** Fraas, 55; orthotype *A. JAEKELI* Fraas (fossil) (not *ACANTHORHINUS* Blainv.).
2177. FRANZ (1910). *Die Japanischen Knochfische der Sammlungen Haberer und Döflein. (Beiträge zur Naturgeschichte Ostasiens.)* München Abh. Ak. Wiss. Math.-Phys. Kl. Suppl.-Bd., IV, 1910 (1911), Abh. 1, 1-135.
VIKTOR FRANZ.
- Parabarbuis** Franz, 8; orthotype *P. HABILIS* Franz.
- Cryptophthalmus** Franz, 15; orthotype *C. ROBUSTUS* Franz. Name preoccupied; replaced by *UNAGIUS* Jordan, 1919.
- Osteochromis** Franz, 43; orthotype *O. LARVATUS* Franz.
- Plagiopsetta** Franz, 64; orthotype *P. GLOSSA* Franz.
- Trypauchenophrys** Franz, 68; orthotype *T. ANOTUS* Franz.
2178. GILBERT (1910) *Ecestes jordani, a Primitive Flounder from the Miocene of California*. Cal. Univ. Publ. Bull. Dept. Geol., V, 1910, 405-411.
JAMES ZACCHEUS GILBERT.

Evesthes J. Z. Gilbert, 407; orthotype *E. JORDANI* Gilbert (fossil).

2179. HAY (1910). *On Edestus and Related Genera*. Proc. U. S. Nat. Mus., XXXVII, 43-61.

OLIVER PERRY HAY.

Toxoprion Hay, 56; orthotype *EDESTUS LECONTEI* Dean (fossil). (ELASMOBRANCH from Nevada.)

2180. HOLT & BYRNE (1910). *Preliminary Diagnosis of a New Stomiatoïd Fish from Southwest of Ireland*. Ann. Mag. Nat. Hist., VI.

E. W. L. HOLT; L. W. BYRNE.

Grammatistomias Holt & Byrne, 295; orthotype *G. FLAGELLIBARBA* Holt & Byrne.

2181. JORDAN (1910). *Description of a Collection of Fossil Fishes from the Bituminous Shales at Riacho Doce, State of Alagoas, Brazil*. Ann. Carneg. Mus., VII, 1910, 23-34.

DAVID STARR JORDAN.

Ellipes Jordan, 24; orthotype *E. BRANNERI* Jordan (fossil). Name preoccupied; replaced by *ELLIMMA* Jordan, 1913.

Dastilbe Jordan, 29; orthotype *D. CRANDALLI* Jordan (fossil).

2182. JORDAN & RICHARDSON (1910). *A Review of the Serranida or Sea Bass of Japan*. Proc. U. S. Nat. Mus., XXXVII, 1910, 421-474.

DAVID STARR JORDAN; ROBERT EARL RICHARDSON.

Zalanthias Jordan & Richardson, 460; orthotype *PSEUDANTHIAS KELLOGGI* Jordan & Richardson.

Sacura Jordan & Richardson, 468; orthotype *ANTHIAS MARGARITACEUS* Hilgendorf.

2183. OGILBY (1910). *On New or Insufficiently Described Fishes*. Proc. Roy. Soc. Queensland, XXIII, 1910, 1-55.

JAMES DOUGLAS OGILBY.

Xystodus Ogilby, 5; orthotype *X. BANFIELDI* Ogilby.

Chilias Ogilby, 40; orthotype *PERCA STRICTICEPS* De Vis. A synonym of *PARAPERCS* Blkr.

Cyneichthys Ogilby, 55; orthotype *BLENNECHIS ANOLIUS* Cuv. & Val.

Runulops Ogilby, 55; orthotype *BLENNECHIS FASCIATUS* Jenyns ("two South American species described by Jenyns," *B. FASCIATUS* and *B. ORNATUS* from Chile).

2184. OGILBY (1910). *On Some New Fishes from the Queensland Coast. Endeavour Series, I*. Proc. Roy. Soc. Queensland, XXIII, 1910, 85-139. (On account of a misunderstanding which does not concern the present work, this paper was suppressed by the Royal Society of Queensland, only a few separates being sent out. The new species have been elsewhere described by McCulloch.)

JAMES DOUGLAS OGILBY.

Hyalorhynchus Ogilby, 118; orthotype *H. PELLUCIDUS* Ogilby = *ELATES THOMPSONI* Jordan & Richardson. A synonym of *ELATES* Jordan & Richardson.

2185. PAVLENKO (1910). *Fishes of Peter the Great Bay*. (Text in Russian.) Trd. Obsc. Jest, Kazani, 42, 1910, 2, 1-5.

M. N. PAVLENKO.

Agonocottus Pavlenko, 23; orthotype *A. CATAPHRACTUS* Pavlenko.

Askoldia Pavlenko, 50; orthotype *A. VARIEGATA* Pavlenko.

2186. PREOBRAZHENSKII (1910). *Ueber einige Vertreter der Familie der Psammosteidae* Ag. S. B. Naturf. Ges. Univ. Jurjew. (Dorpat) IX, 21-36. (Text in Russian.)

J. A. PREOBRAZHENSKII.

Pycnosteus Preobrazhenskii, 34; orthotype *P. PALÆFORMIS* Preobrazhenskii (fossil). An imperfect dorsal plate of a Devonian OSTRACOPHORE. Probably a synonym of *PSAMMOSTEUS* Ag.

Dyptychosteus Preobrazhenskii, 35; orthotype *D. TESSELLATUS* Preobrazhenskii (fossil) (not *PSAMMOSTEUS TESSELLATUS* Traquair). Probably same as *PSAMMOSTEUS PARADOXUS*. Dorsal plate of a Devonian OSTRACOPHORE. A synonym of *PSAMMOSTEUS* Ag.

2187. SAUVAGE (1910). *Bull. Carte Geol. Algérie, 1910.*

HENRI ÉMILE SAUVAGE.

Palæochromis Sauvage, 308; orthotype *P. DORESTII* Sauvage.

2188. STOLLEY (1910). *Ueber mesozoischen Fischotolithen aus Norddeutschland.* Jahresbericht des Niedersächsischen Geol. Vereins, III, 246-257. (Reprinted with separate pagination in Hannover, 1912.)

ERNST STOLLEY.

Archæotolithus Stolley, 248; orthotype *OTOLITHUS BÖRNHOLMIENSIS* Malling & Grönwall, 1909 (fossil). Otolith from Lias of Denmark.

2189. WAITE (1911). *Additions to the Fish Fauna of New Zealand.* Proc. New Zealand Inst., 1910, 25-26.

EDGAR RAVENSWOOD WAITE.

Maccullochia Waite, 25; orthotype *HISTIOPTERUS LABIOSUS* Gthr. A substitute for *RICHARDSONIA* Castelnau, preoccupied. A synonym of *PARISTIOPTERUS* Blkr., 1876.

2190. WAITE (1910). *Notes on New Zealand Fishes.* Trans. N. Zeal. Inst., XLII, 1910, 384-391.

EDGAR RAVENSWOOD WAITE.

Triareus Waite, 387; orthotype *MAUROLICUS AUSTRALIS* Hector.

2191. WEYMOUTH (1910). *Notes on a Collection of Fishes from Cameron, Louisiana.* Proc. U. S. Nat. Mus., XXXVIII.

FRANK WALTER WEYMOUTH.

Leptocerdale Weymouth, 142; orthotype *L. LONGIPINNIS* Weymouth.

2192. WOODWARD (1910). *On Some Permo-Carboniferous Fishes from Madagascar.* Ann. Mag. Nat. Hist., V, 1910, 1-6.

ARTHUR SMITH WOODWARD.

Ecrinesomus Woodward, 2; orthotype *E. DIXONI* Woodw. (fossil).

2193. WOODWARD (1910). *On a Fossil Sole and a Fossil Eel from the Eocene of Egypt.* Geol. Mag. London, VII, 1910, 402-405.

ARTHUR SMITH WOODWARD.

Mylomyrus Woodward, 404; orthotype *M. FRANGENS* Woodw. (fossil).

1911.

2194. BOULENGER (1911). *Descriptions of New African Cyprinodont Fishes*. Ann. Mag. Nat. Hist. (8), VIII, 260-268.
 GEORGE ALBERT BOULENGER.
Mohanga Boulenger, 261; orthotype HAPLOCHILUS TANGANICANUS Boulenger. Same as LAMPRICHTHYS Regan, a little later in the same year.
2195. BOULENGER (1911). *Catalogue of the Fresh-Water Fishes of Africa in the British Museum*. London, 1911, 1-529.
 GEORGE ALBERT BOULENGER.
Parauchenoglanis Boulenger, 364; orthotype PIMELODUS GUTTATUS Lönnberg. The name GUTTATUS is preoccupied in PIMELODUS.
2196. BOULENGER (1911). *On a Third Collection of Fishes Made by Dr. E. Bayon in Uganda, 1909-1910*. Genova Annal. Museo Civico. Ser. 3a, V, 1911, 64-78.
 GEORGE ALBERT BOULENGER.
Bayonia Boulenger, 70; orthotype B. XENODONTA Boulenger.
2197. DEECKE (1911). *Paleontologische Betrachtungen*. IV. Ueber Fische. Neues. Jahrb. Mineral., II.
 JOHANNES ERNEST WILHELM DEECKE (1862-).
Perleidus Deecke, 70; orthotype P. ALTOLEPIS Deecke (fossil).
2198. EIGENMANN (1911). *New Characins in the Collection of the Carnegie Museum*. Ann. Carnegie Mus., VIII, 1911, 164-181.
 CARL H. EIGENMANN.
Probolodus Eigenmann, 164; orthotype P. HETEROSTOMUS Eigenmann.
Psalidodon Eigenmann, 165; orthotype P. GYMNODONTUS Eigenmann.
Spintherobolus Eigenmann, 167; orthotype S. PAPILLIFERUS Eigenmann.
Glandulocauda Eigenmann, 168; logotype G. MELANOGENYS Eigenmann.
Hysteronotus Eigenmann, 171; orthotype H. MEGALOSTOMUS Eigenmann.
Vesicetrus Eigenmann, 174; orthotype V. TEGATUS Eigenmann.
2199. EIGENMANN (1911). *Descriptions of Two New Tetragonopterid Fishes in the British Museum*. Ann. Mag. Nat. Hist. (8), VII, 1911, 215-216.
 CARL H. EIGENMANN.
Nematobrycon Eigenmann, 215; orthotype N. PALMERI Eigenmann.
Knodus Eigenmann, 216; orthotype K. MERIDÆ Eigenmann.
2200. ELLIS (1911). *On the Species of Hasemania, Hyphessobrycon, and Hemigrammus Collected by J. D. Haseman for the Carnegie Museum*. Ann. Carnegie Mus., VIII, 1911, 148-164.
 MARIAN LEE ELLIS.
Hasemania Ellis, 148; orthotype H. MAXILLARIS Ellis.
2201. FOWLER (1911). *A New Albuloid Fish from Santo Domingo*. Proc. Acad. Nat. Sci. Phila., LXII, 1911, 651-654 (Jan. 27, 1911).
 HENRY WEED FOWLER.
Dixonina Fowler, 651; orthotype D. NEMOPTERA Fowler.
2202. FOWLER (1911). *Notes on Clupeoid Fishes*. Proc. Acad. Nat. Sci. Phila., LXIII, 1911, 204-211. (Apr. 6, 1911.)
 HENRY WEED FOWLER.

- Heringia** Fowler, 207; orthotype *CLUPEA AMAZONICA* Steind.
Gudusia Fowler, 207; orthotype *CLUPANODON CHAPRA* Ham.
Anchoviella Fowler, 211; orthotype *ENGRAULIS PERFASCIATUS* Poey. A synonym of *STOLEPHORUS* Lac., as restricted by Blkr.
2203. FOWLER (1911). *Some Fishes from Venezuela*. Proc. Acad. Nat. Sci. Phila., LXIII, 1911, 419-437. (July 27, 1911.)
 HENRY WEED FOWLER.
Apodastyanax Fowler, 422; orthotype *A. STEWARDSONI* Fowler.
2204. FOWLER (1911). *New Fresh-Water Fishes from Western Ecuador*. Proc. Acad. Nat. Sci. Phila., LXVIII, 1911, 493-520.
 HENRY WEED FOWLER.
Rhoadsia Fowler, 497; orthotype *R. ALTIPINNA* Fowler.
2205. HASEMAN (1911). *Descriptions of Some New Species of Fishes, and Miscellaneous Notes on Others Obtained during the Expedition of the Carnegie Museum to Central South America*. Ann. Carneg. Mus., VII, 315-328.
 JOHN D. HASEMAN.
Cephalosilurus Haseman, 317; orthotype *C. FOWLERI* Haseman.
Acestridium Haseman, 319; orthotype *A. DISCUS* Haseman.
Platysilurus Haseman, 320; orthotype *P. BARBATUS* Haseman.
2206. HASEMAN (1911). *Some New Species of Fishes from the Rio Iguassu*. Ann. Carnegie Mus., VII, 374-387.
 JOHN D. HASEMAN.
Rhamdiopsis Haseman, 375; orthotype *R. MOREIRAI* Haseman.
2207. JORDAN & EVERMANN (1911). *A Review of the Salmonoid Fishes of the Great Lakes, with Notes on the White-Fishes of Other Regions*. Bull. U. S. Bureau of Fisheries for 1909 (1911), 1-41.
 DAVID STARR JORDAN; BARTON WARREN EVERMANN.
Cisco Jordan & Evermann, 3; orthotype *ARGYROSOMUS NIGRIPINNIS* Gill.
Thrissomimus (Gill) Jordan & Evermann, 4; orthotype *COREGONUS ARTEDI* Le Sueur. Substitute for *ARGYROSOMUS* Ag., preoccupied.
- 2207A. JORDAN & THOMPSON (1911). *A Review of the Scianoid Fishes of Japan*. Proc. U. S. Nat. Mus. for 1911 (Jan. 30), 241-261.
 DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.
Nibeia Jordan & Thompson, 246; orthotype *SCIENA MITSUKURII* Jordan & Snyder.
Othonias Jordan & Thompson, 246; orthotype *SCIENA MANCHURICA* Jordan & Thompson.
2208. JORDAN & THOMPSON (1911). *A Review of the Families Lobotidae and Lutianidae Found in the Waters of Japan*. Proc. U. S. Nat. Mus., XXXIX, 435-471. (Jan. 30, 1911.)
 DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON (1888-).
- Etelinus** Jordan & Thompson, 465; orthotype *ETELIS MARSHI* Jenkins.
2209. KENDALL & GOLDSBOROUGH (1911). *The Shore Fishes. (Reports on the Scientific Results of the Expedition to the Tropical Pacific in Charge of Alexander Agassiz, by the U. S. Fish Comm. Steamer "Albatross," from August, 1899, to March, 1900, Commander Jefferson F. Moser, U. S. N., Commanding, 13.)* Mem. Mus. Comp. Zool. Harvard Coll., XXVI, 1911, 239-344.
 WILLIAM CONVERSE KENDALL; EDMUND LEE GOLDSBOROUGH.

Paragobioides Kendall & Goldsborough, 324; orthotype *P. GRANDOCULIS* Kendall & Goldsborough.

2210. KREYENBERG (1911). *Eine neue Cobitinen-Gattung aus China*. Zool. Anz., XXXVIII, 417-419.

M. KREYENBERG.

Gobiobotia Kreyenberg, 417; orthotype *G. PAPPENHEIMI* Kreyenberg.

2211. McCULLOCH (1911). *Report on the Fishes Obtained by the F. I. S. "Endeavour" on the Coast of New South Wales, Victoria, South Australia, and Tasmania. Part I. Zoological Results of the Fishing Experiments carried Out by the F. I. S. "Endeavour," 1909-1910, I*, 1911, 1-87.

ALLEN RIVERSTON McCULLOCH.

Austroberyx McCulloch, 39; orthotype *BERYX AFFINIS* Gthr. A synonym of *TRACHICHTHODES* Gilchrist.

2212. OGILBY (1911). *Description of New or Insufficiently Described Fishes from Queensland Waters*. Ann. Queensland Mus., X, 1911, 36-58.

JAMES DOUGLAS OGILBY.

Apistops Ogilby, 54; orthotype *APISTUS CALOUNDRÆ* De Vis.

Paratrigla Ogilby, 56; orthotype *TRIGLA PLEURACANTHICA* Ogilby.

2213. REGAN (1911). *The Anatomy and Classification of the Teleostean Fishes of the Orders Berycomorphi and Xenoberyces*. Ann. Mag. Nat. Hist. (8), VII, 1-9.

CHARLES TATE REGAN.

Caproberyx Regan, 8; orthotype *BERYCOPSIS MAJOR* Woodw. (fossil).

2214. REGAN (1911). *The Anatomy and Classification of the Teleostean Fishes of the Order Iniomii*. Ann. Mag. Nat. Hist. (8), VII, 120-133.

CHARLES TATE REGAN.

Hemipterois Regan, 126; orthotype *BATHYPTEROIS GUENTHERI* Alcock.

Bathysauropsis Regan, 126; orthotype *CHLOROPHTHALMUS GRACILIS* Gthr.

Parasudis Regan, 127; orthotype *CHLOROPHTHALMUS TRUCULENTUS* G. & B.

2215. REGAN (1911). *A Synopsis of the Marsipobranchs of the Order Hypocroartii*. Ann. Mag. Nat. Hist. (8), VII, 193-204.

CHARLES TATE REGAN.

Eudontomyzon Regan, 200; orthotype *E. DANFORDI* Regan.

2216. REGAN (1911). *The Classification of the Teleostean Fishes of the Order Syntentognathi*. Ann. Mag. Nat. Hist. (8), VII, 327-335.

CHARLES TATE REGAN.

Lamprichthys Regan, 325; orthotype *HAPLOCHILUS TANGANICANUS* Boulenger. A synonym of *MOHANGA* Boulenger of a little earlier date.

Xenentodon Regan, 332; orthotype *BELONE CANCILA* Buchanan.

Xenopœcilus Regan, 374; orthotype *HAPLOCHILUS SARASINORUM* Popta.

2217. REGAN (1911). *The Classification of the Teleostean Fishes of the Order Ostariophysii. I. Cyprinoidea*. Ann. Mag. Nat. Hist. (8), VIII, 1911, 13-32.

CHARLES TATE REGAN.

Lepturichthys Regan, 31; orthotype *HOMALOPTERA FIMBRIATA* Gthr.

Hemimyzon Regan, 32; orthotype *HOMALOPTERA FORMOSANA* Boulenger.

2218. ROULE (1911). (*Certaines larves tiluricines.*)

LOUIS ROULE (1861-) .

Tiluroopsis Roule, 329; orthotype a larval eel.

Tilurella Roule, 329; orthotype larval eel, not named in the Zoological Record.

2219. SNYDER (1911). *Descriptions of New Genera and Species of Fishes from Japan and the Riu Kiu Islands.* Proc. U. S. Nat. Mus., XL, 1911, 525-549. (May 26, 1911.)

JOHN OTTERBEIN SNYDER.

Jordanidia Snyder, 527; orthotype J. RAPTORIA Snyder.

Catalufa Snyder, 528; orthotype C. UMBRA Snyder.

Draculo Snyder, 545; orthotype D. MIRABILIS Snyder.

2220. STARKS & MANN (1911). *New and Rare Fishes from Southern California.* Univ. Calif. Pub. Zool., VIII, 9-19.

EDWIN CHAPIN STARKS; WILLIAM M. MANN.

Rusulus Starks & Mann, 14; orthotype R. SABURRE Starks & Mann.

Orthopnias Starks & Mann, 16; orthotype O. TRIACIS Starks & Mann.

2221. WAITE (1911). *Additions to the Fish Fauna of New Zealand, No. 2.* Proc. New Zealand Inst., 1910, 49-51. (June 24, 1911.)

EDGAR RAVENSWOOD WAITE.

Rexea Waite, 49; orthotype R. FURCIFERA Waite = GEMPYLUS SOLANDRI Cuv. & Val. A synonym of JORDANIDIA Snyder of slightly earlier date (May 26, 1911).

Pelotretis Waite, 50; orthotype P. FLAVILATUS Waite.

2222. ZUGMAYER (1911). *Poissons provenant des campagnes du yacht Princesse Alice.* Rés. Camp. Sci. Monaco, Fasc. 35, 1911, 1-159.

ERICI ZUGMAYER (1879-) .

Asquamiceps Zugmayer, 10; orthotype A. VELARIS Zugmayer.

Nematostomias Zugmayer, 76; orthotype N. GLADIATOR Zugmayer.

Trichostomias Zugmayer, 78; orthotype T. VALLANTI Zugmayer.

Poromitrella Zugmayer, 100; orthotype P. NIGRICEPS Zugmayer.

Platyberyx Zugmayer, 101; orthotype P. OPALESCENS Zugmayer.

Scopeloberyx Zugmayer, 103; orthotype S. OPERCULARIS Zugmayer.

Pachycara Zugmayer, 129; orthotype P. PLAGIOPHTHALMUS Zugmayer.

Barathrites Zugmayer, 132; orthotype B. IRIS Zugmayer.

Anotopterus Zugmayer, 138; orthotype A. PHARAO Zugmayer.

Benthalbella Zugmayer, 140; orthotype B. INFANS Zugmayer.

1912.

2223. BARBOUR (1912). *Two Preoccupied Names.* Proc. Biol. Soc. Washington, XXV, 1912, 121-126.

THOMAS BARBOUR.

Calliblennius Barbour, 187; orthotype ZACALLES BRYOPE Jordan & Snyder. Substitute for ZACALLES Jordan & Snyder, preoccupied.

2224. BEAN (1912). *Descriptions of New Fishes of Bermuda.* Proc. Biol. Soc. Washington, XXV, 1912, 121-126.

TARLETON HOFFMAN BEAN.

Eucrotus Bean, 123; orthotype E. VENTRALIS Bean.

Parasphyrænops Bean, 124; orthotype *P. ATRIMANUS* Bean.

2225. BEAUFORT (1912). *On Some New Gobiïdæ from Ceram and Waigen*. Zool. Anz., XXXIX, 1912, 136-143.

LIEVEN FERDINAND DE BEAUFORT.

Schismatogobius Beaufort, 139; orthotype *S. BRUYNISI* Beaufort.

Stiphodon (Weber), Beaufort, 143; orthotype *SICYDIUM ELEGANS* Steind.

2226. BERG (1912). *Faune de la Russie et des pays limitrophes. Poissons (Marsipobranchii et Pisces)*. Vol. III. Pt. 1, 1-336, St. Petersburg.

LEW SEMENOWITCH BERG.

Pararutilus Berg, 43; orthotype *LEUCISCUS FRISJØ* Nordman.

Acanthorutilus Berg, 42. 80; orthotype *OREOLEUCISCUS DSAPCHYNSIS* Warpachowsky.

Hemiscaphirhynchus Berg, 309; orthotype *PSEUDOSCAPHIRHYNCHUS KAUFMANNI* Bogdanov.

2227. BOULENGER (1912). *Poissons recueillis dans la Région dit Bas Congo par M. le Dr. W. J. Ansorge*. Ann. Mus. Congo, Bruxelles Zool., ser. 1, 2 fasc. 3, 1-25.

GEORGE ALBERT BOULENGER.

Ansorgia Boulenger, 17; orthotype *A. VITTATA* Boulenger.

2228. BURKE (1912). *A New Genus and Six New Species of the Family Cyclogasteridæ*. Proc. U. S. Nat. Mus., XLIII, 1912, 567-574.

CHARLES VICTOR BURKE.

Polypera Burke, 567; orthotype *P. GREENI* Burke.

2229. DUNCKER (1912). *Die Gattungen der Syngnathidæ*. Mett. Nat. Hist. Museum Hamburg, XXIX.

GEORG DUNCKER.

Acanthognathus Duncker, 228; orthotype *SYNGNATHUS DACTYLOPHORUS* Blkr.

Micrognathus Duncker, 235; orthotype *SYNGNATHUS BREVIROSTRIS* Rüppell.

2230. EIGENMANN (1912). *The Fresh-Water Fishes of British Guiana, including a Study of the Ecological Grouping of Species, and the Relation of the Fauna of the Plateau to that of the Lowlands*. Mem. Carnegie Mus., V, 1-578.

CARL H. EIGENMANN.

Chamaigenes Eigenmann, 120; orthotype *ASPREDO FILAMENTOSUS* Cuv. & Val.

Agmus Eigenmann, 128; orthotype *A. LYRIFORMIS* Eigenmann.

Megalonema Eigenmann, 150; orthotype *M. PLATYCEPHALUM* Eigenmann.

Microglanis Eigenmann, 155; orthotype *M. PÆCILUS* Eigenmann.

Brachyglanis Eigenmann, 156; orthotype *B. FRENATA* Eigenmann.

Leptoglanis Eigenmann, 158; orthotype *L. ESSEQUIBENSIS* Eigenmann.

Myoglanis Eigenmann, 159; orthotype *M. PATAROËNSIS* Eigenmann.

Chasmocranus Eigenmann, 160; orthotype *C. LONGIOR* Eigenmann.

Tympanopleura Eigenmann, 203; orthotype *T. PIPERATA* Eigenmann.

Ochmacanthus Eigenmann, 213; orthotype *O. FLABELLIFER* Eigenmann.

Lithoxus Eigenmann, 242; orthotype *L. LITHOIDES* Eigenmann.

Bivibranchia Eigenmann, 258; orthotype *B. PROTRACTILA* Eigenmann.

Tylobranchus Eigenmann, 271; orthotype *T. MACULOSUS* Eigenmann.

Aphyodite Eigenmann, 314; orthotype *A. GRAMMICA* Eigenmann.

Acanthocharax Eigenmann, 405; orthotype *A. MICROLEPIS* Eigenmann.
Heterocharax Eigenmann, 406; orthotype *H. MACROLEPIS* Eigenmann.
Gymnorhamphichthys Eigenmann, 436; orthotype *G. HYPOSOMUS* Eigenmann.
Porotergus Eigenmann, 441; orthotype *P. GYMNOTUS* Eigenmann.
Rhinosardinia Eigenmann, 445; orthotype *R. SERRATA* Eigenmann = *CLUPEA AMAZONICA* Steind. A synonym of *HERINGIA* Fowler, 1911.
Acarichthys Eigenmann, 500; orthotype *ACARA HECKELII* M. & T.
Soleonassus Eigenmann, 528; orthotype *S. FINIS* Eigenmann.

2231. EIGENMANN (1912). *Some Results of An Ichthyological Reconnaissance of Colombia, South America*. Indiana Univ. Studies, 1912, No. 8, 1-27.

CARL H. EIGENMANN.

Xiliphius Eigenmann, 10; orthotype *X. MAGDALENÆ* Eigenmann.
Parastremma Eigenmann, 20; orthotype *P. SADINA* Eigenmann.
Genycharax Eigenmann, 22; orthotype *G. TARPON* Eigenmann.
Gephyrocharax Eigenmann, 24; orthotype *G. CHOCOËNSIS* Eigenmann.

2232. FOWLER (1912). *Descriptions of Nine New Ecls, with Notes on Other Species*. Proc. Acad. Nat. Sci. Phila., LXIV, 1912, 8-33.

HENRY WEED FOWLER.

Microconger Fowler, 9; orthotype *LEPTOCEPHALUS CAUDALIS* Fowler.
Ahynnodontophis Fowler, 25; orthotype *GYMNOTHORAX STIGMANOTUS* Fowler.

2233. GARMAN (1912). *Some Chinese Vertebrates. Pisces*. Mem. Comp. Zool. Harvard Coll., XL, 111-123.

SAMUEL GARMAN.

Ageneiogarra Garman, 114; orthotype *GARRA IMBERBA* Garman.
Myloleuciscus Garman, 116; orthotype *M. ATRIPINNIS* Garman.
Coripareius Garman, 120; orthotype *C. CETOPSIS* Garman.

2234. GILBERT & BURKE (1912). *Fishes from the Bering Sea and Kamchatka*. Bull. Bur. Fish., XXX (1910), 1912, 31-96.

CHARLES HENRY GILBERT; CHARLES VICTOR BURKE (1882-).

Archaulus Gilbert & Burke, 36; orthotype *ARCHAULUS BISERIATUS* Gilbert & Burke.
Thyriscus Gilbert & Burke, 43; orthotype *T. ANOPLUS* Gilbert & Burke.
Eurymen Gilbert & Burke, 64; orthotype *E. GYRINUS* Gilbert & Burke.
Elassodiscus Gilbert & Burke, 81; orthotype *E. TREMEBUNDUS* Gilbert & Burke.
Nectoliparis Gilbert & Burke, 82; orthotype *N. PELAGICUS* Gilbert & Burke.
Acantholiparis Gilbert & Burke, 83; orthotype *A. OPERCULARIS* Gilbert & Burke.
Gymnoclinus Gilbert & Burke, 86; orthotype *G. CRISTULATUS* Gilbert & Burke.
Alectridium Gilbert & Burke, 88; orthotype *A. AURANTIACUM* Gilbert & Burke.

2235. GILBERT & BURKE (1912). *New Cyclogasterid Fishes from Japan*. Proc. U. S. Nat. Mus., XLII, 1912, 351-380.

CHARLES HENRY GILBERT; CHARLES VICTOR BURKE.

Ateleobranchium Gilbert & Burke, 97; orthotype *A. PTEROTUM* Gilbert & Burke.

2236. JORDAN (1912). *Note on the Generic Name Safole, replacing Boulengerina for a Genus of Kukliid Fishes*. Proc. U. S. Nat. Mus., XLII, 1912, 655. (August 29, 1912.)

DAVID STARR JORDAN.

Safole Jordan, 655; orthotype *DULES TĒNIURUS* Cuv. & Val. Substitute for *BOULENGERINA* Fowler, preoccupied.

2237. JORDAN & THOMPSON (1912). *A Review of the Sparidae and Related Families of Perch-like Fishes Found in the Waters of Japan*. Proc. U. S. Nat. Mus., XLI. (Jan. 22, 1912.)

DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.

Lethrinichthys Jordan & Thompson, 558; orthotype *LETHRINUS NEMATACANTHUS* Blkr.

Taius Jordan & Thompson, 570; orthotype *CHRYSOPHRYS TUMIFRONS* T. & S.

Evynnis Jordan & Thompson, 573; orthotype *SPARUS CARDINALIS* Lac.

2238. McCULLOCH (1912). *Notes on Some Australian Atherinidae*. Proc. Roy. Soc. Queensland, XXIV, 1912, 47-53.

ALLAN RIVERSTON McCULLOCH.

Craterocephalus McCulloch, 48; orthotype *C. FLUVIATILIS* McCulloch.

2239. McCULLOCH (1912). *Notes on Some Western Australian Fishes*. Rec. W. Austral. Mus., Perth 1, 1912, 78-97.

ALLAN RIVERSTON McCULLOCH.

Mucogobius McCulloch, 93; orthotype *GOBIOUS MUCOSUS* Gthr. A synonym of *CALLOGOBIOUS* Blkr.

2240. MEEK (1912). *New Species of Fishes from Costa Rica*. Pub. Field Col. Mus., X.

SETH EUGENE MEEK.

Alfaro Meek, 72; orthotype *A. ACUTIVENTRALIS* Meek. A substitute for *PETALOSOMA* Regan, preoccupied.

2241. PELLÉGRIN (1912). *Poissons des côtes de l'Angola; Mission de M. Gruvel*. Bull. Soc. Zool. France, XXXVII.

JACQUES PELLÉGRIN.

Diagrammella Pellégrin, 295; orthotype *DIAGRAMMA MACROPS* Pellégrin.

2242. RADCLIFFE (1912). *Descriptions of Fifteen New Fishes of the Family Cheilodipteridae, from the Philippine Islands and Contiguous Waters*. Proc. U. S. Nat. Mus., XLI, 431-446. (Jan. 31, 1912.)

LEWIS RADCLIFFE.

Amioides Smith & Radcliffe, 440; orthotype *AMIA GROSSIDENS* Smith & Radcliffe.

Neamia Smith & Radcliffe, 441; orthotype *N. OCTOSPINA* Smith & Radcliffe.

2243. RADCLIFFE (1912). *New Pediculate Fishes from the Philippine Islands and Contiguous Waters*. Proc. U. S. Nat. Mus., XLII, 199-214. (April 30, 1912.)

LEWIS RADCLIFFE.

Dermatias Radcliffe, 206; orthotype *D. PLATYNOGASTER* Radcliffe.

2244. RADCLIFFE (1912). *Description of a New Family, Two New Genera and Twenty-nine New Species of Anacanthine Fishes from the Philippine Islands and Contiguous Waters*. Proc. U. S. Nat. Mus., XLIII, 105-140. (Sept. 27, 1912.)

LEWIS RADCLIFFE.

Parateleopus Smith & Radcliffe, 139; orthotype *P. MICROSTOMUS* Smith & Radcliffe.

Macrouroides Smith & Radcliffe, 139; orthotype *M. INFLATICEPS* Smith & Radcliffe.

2245. REGAN (1912). *New Fishes from Aldabra and Assumption, Collected by Mr. J. C. F. Fryer*. Trans. Linn. Soc. London, XV, 1912, 301-302.

CHARLES TATE REGAN.

Xenococong Regan, 301; orthotype X. FRYERI Regan.

Parioglossus Regan, 302; orthotype P. TÆNIATUS Regan.

2246. REGAN (1912). *The Classification of the Blennioid Fishes*. Ann. Mag. Nat. Hist. (8), X, 265-280.

CHARLES TATE REGAN.

Acanthoplesiops Regan, 266; orthotype ACANTHOCLINUS INDICUS Day.

2247. REGAN (1912). *The Classification of the Teleostean Fishes of the Order Pediculati*. Ann. Mag. Nat. Hist. (8), IX, 1912, 277-289.

CHARLES TATE REGAN.

Haplophryne Regan, 289; orthotype ACERATIAS MOLLIS Brauer.

2248. REGAN (1912). *The Anatomy and Classification of the Symbranchoid Ecls*. Ann. Mag. Nat. Hist. (8), IX, 387-390.

CHARLES TATE REGAN.

Macrotrema Regan, 390; orthotype SYMBRANCHUS CALIGANS Cantor.

2249. REGAN (1912). *Description of Two New Ecls from West Africa, Belonging to a New Genus and Family*. Ann. Mag. Nat. Hist., X.

CHARLES TATE REGAN.

Heterenchelys Regan, 323; orthotype H. MICROPHITHALMUS Regan.

2250. REGAN (1912). *A Revision of the Pæciliid Fishes of the Genera Riculus, Pterolebias and Cynolebias*. Ann. Mag. Nat. Hist. (8), X, 1912, 494-508.

CHARLES TATE REGAN.

Petalurichthys Regan, 494; orthotype PETALOSOMA CULTRATUS Regan. Substitute for PETALOSOMA Regan, preoccupied in COLEOPTERA; a synonym of ALFARO Meek.

2251. REGAN (1912). *Sexual Differences in the Pæciliid Fishes of the Genus Cynolebias*. Ann. Mag. Nat. Hist. (8), X, 641-652.

CHARLES TATE REGAN.

Cynopœcilus Regan, 642; orthotype CYNOLEBIAS MELANOTENIA Regan.

2252. RIBEIRO (1912). *Fauna Brasiliense. Peixes 4 (A)*. Arch. Mus. Rio de Janeiro, XVI, 1912, 1-504.

ALIPIO DE MIRANDA RIBEIRO.

Parasturisoma Ribeiro, 109; orthotype LORICARIA BREVIORSTRIS Eigenmann.

Mormyrostoma Ribeiro, 192; orthotype SILURUS CARINATUS L.

Tatia Ribeiro, 360; orthotype CENTROMOCHLUS INTERMEDIUS Steind.

2253. RIBEIRO (1912). *Loricariidæ, Callichthyidæ, Doradidæ e Trichomycteridæ. Comissão de Linhas Telegraficas Estrategicas de Matto-Grosso ao Amazonas*. Anexo No. 5, Rio Janeiro, 1912, 1-31.

ALIPIO DE MIRANDA RIBEIRO.

Gyrinurus Ribeiro, 27; orthotype G. BATRACHOSTOMA Ribeiro (Sept., 1912). A synonym of OCHMACANTHUS Eigenmann, June, 1912.

Paravandellia Ribeiro, 28; orthotype P. OXYPTERA Ribeiro.

2254. SMITH (1912). *Description of a New Notidanoid Shark from the Philippine Islands, Representing a New Family*. Proc. U. S. Nat. Mus., XLI, 489-491. (February 8, 1912.)

HUGH McCORMICK SMITH.

Pentanchus Smith, 489; orthotype *P. PROFUNDICOLUS* Smith.

2255. SMITH (1912). *The Squaloid Sharks of the Philippine Archipelago, with Descriptions of New Genera and Species*. Proc. U. S. Nat. Mus., XLI, 677-685. (February 9, 1912.)

HUGH McCORMICK SMITH.

Nasisqualus Smith, 681; orthotype *N. PROFUNDORUM* Smith.

Squaliolus Smith, 684; orthotype *S. LATICAUDUS* Smith.

2256. SMITH & RADCLIFFE (1912). *Description of a New Family of Pediculate Fishes from Celebes*. Proc. U. S. Nat. Mus., XLII, 579-582. (Aug. 30, 1912.)

HUGH McCORMICK SMITH; LEWIS RADCLIFFE.

Thaumatichthys Smith & Radcliffe, 579; orthotype *T. PAGIDOSTOMUS* Smith & Radcliffe.

2257. SNYDER (1912). *The Fishes of the Streams Tributary to Monterey Bay*. Bull. U. S. Bur. Fish., XXXII, 47-72.

JOHN OTTERBEIN SNYDER.

Hesperoleucus Snyder, 63; orthotype *POGONICHTHYS SYMMETRICUS* Grd.

2258. TANAKA (1912). *Figures and Descriptions of Fishes of Japan*. Tokyo, V-X, 71-186.

SHIGEHO TANAKA.

Cyclolumpus Tanaka, 86; orthotype *C. ASPERRIMUS* Tanaka.

Heteroscymnus Tanaka, 102; orthotype *H. LONGUS* Tanaka.

Cirrhigaleus Tanaka, 151; orthotype *C. BARBIFER* Tanaka.

Callisycylium Tanaka, 171; orthotype *C. VENUSTUM* Tanaka.

2259. ZUGMAYER (1912). *On a New Genus of Cyprinoid Fishes from High Asia*. Ann. Mag. Nat. Hist. (8), IX, 1912, 682.

ERICH ZUGMAYER.

Aspiopsis Zugmayer, 682; orthotype *A. MERZBACHERI* Zugmayer.

1913.

2260. BERG (1913). *A Review of the Clupeoid Fishes of the Caspian Sea, etc*. Ann. Mag. Nat. Hist., XI, 472-480.

LEO SEMENOWITCH BERG.

Clupeonella Berg, 472; orthotype *C. CASPIA* Berg. Not *CLUPEONELLA* Kessler; replaced by *CASPIALOSA* Berg.

2261. BROOM (1913). *On Some Fishes from Lower and Middle Karroo, South Africa*. Ann. S. Afr. Mus. Cape Town, XII, 1913, 1-5.

ROBERT BROOM.

Caruichthys Broom, 4; orthotype *C. ORNATUS* Broom (fossil).

2262. BROOM (1913). *On Some Fossil Fishes from the Diamond-Bearing Pipes of Kimberley*. Trans. Roy. Soc., S. Afr. III, 1913, 399-402.
ROBERT BROOM.
- Disichthys** Broom, 400; orthotype *D. KIMBERLEYENSIS* Broom (fossil). (PALÆONISCID.)
- Pelichthys** Broom, 401; orthotype *P. KIMBERLEYENSIS* Broom (fossil). (PALÆONISCID, S. Africa.)
2263. CHAPMAN (1913). *Note on the Occurrence of the Cainozoic Shark, Carcharoides, in Victoria*. Victoria Naturalist, XXX, 142-193.
FREDERICK REVANS CHAPMAN.
- Carcharoides** Chapman, 142; orthotype a fossil shark.
2264. CHAUDHURI (1913). *Zoological Results of the Abor Expedition, 1911-12*. XVIII. Fish Rec. Ind. Mus. Calcutta, VIII, 1913, 243-257.
BONAWARI LAL CHAUDHURI.
- Aborichthys** Chaudhuri, 245; orthotype *A. KEMPI* Chaudhuri.
2265. COCKERELL (1913). *Observations on Fish Scales*. Bull. Bureau of Fisheries, XXII (for 1912), Oct. 13, 1913.
THEODORE DRU ALLISON COCKERELL.
- Myloleucops** Cockerell, 136 (foot note); type *LEUCISCUS ÆTHIOPS* Basilewsky. A substitute for *MYLOLEUCUS* Gthr., preoccupied.
2266. EIGENMANN (1913). *Some Results from an Ichthyological Reconnaissance of Colombia, South America*. Pt. II, Indiana Univ. Studies, 1913, No. 18, 1-32.
CARL H. EIGENMANN.
- Pterobrycon** Eigenmann, 3; orthotype *P. LANDONI* Eigenmann.
- Argopleura** Eigenmann, 10; orthotype *BRYCONAMERICUS MAGDALENÆ* Eigenmann.
- Zygogaster** Eigenmann, 22; orthotype *Z. FILIFER* Eigenmann.
- Microgenys** Eigenmann, 22; orthotype *M. MINUTUS* Eigenmann.
2267. ELLIS (1913). *The Gymnotid Eels of Tropical America*. Mem. Carneg. Mus. VI, 1913, 109-195.
MAX MAPES ELLIS.
- Orthosternarchus** Ellis, 144; orthotype *STERNARCHUS TEMANDUA* Boulenger.
- Odontosternarchus** Ellis, 155; orthotype *STERNARCHUS SACHSI* Peters.
2268. ELLIS (1913). *The Plated Nematognaths*. Mem. Carneg. Mus., VIII, 1913, 384-413.
MARIAN LEE ELLIS.
- Cascadura** Ellis, 387; orthotype *C. MACULOCEPHALA* Ellis.
2269. FOWLER (1913). *Curimatus spilurus Cope, a wrongly identified Characin*. Proc. Acad. Nat. Sci. Phila., LXV, 1913, 673-675.
HENRY WEED FOWLER.
- Xyrocharax** Fowler, 673; orthotype *CURIMATUS STIGMATURUS* Fowler.
2270. FOWLER (1913). *Notes on Catostomoid Fishes*. Proc. Acad. Nat. Sci. Phila., LXV, 1913, 45-60.
HENRY WEED FOWLER.
- Megastomatobus** Fowler, 45; orthotype *SCLEROGNATHUS CYPRINELLA* Cuv. & Val. A synonym of *SCLEROGNATHUS* as restricted by Günther & Jordan. The first species named under *SCLEROGNATHUS*, however, was a *CARPIODES*.

- Notolepidomyzon** Fowler, 47; orthotype *PANTOSTEUS ARIZONÆ* (Gilbert).
Scartomyzon Fowler, 59; orthotype *PTYCHOSTOMUS CERVINUS* Cope.
Pithecomyzon Fowler, 54; orthotype *CHASMISTES CUJUS* Cope.
2271. FOWLER (1913). *Fishes from the Madeira River, Brazil*. Proc. Acad. Nat. Sci. Phila., LXV., 1913, 517-579.
 HENRY WEED FOWLER.
Prionobrama Fowler, 553; orthotype *P. MADEIRÆ* Fowler.
Gnathocharax Fowler, 561; orthotype *G. STEINBACHNERI* Fowler.
Tytocharax Fowler, 564; orthotype *T. MADEIRÆ* Fowler.
2272. FOWLER (1913). *Fowlerina Eigenmann, a Preoccupied Generic Name*. Science, XXXVIII, 1913, 51.
 HENRY WEED FOWLER.
Ephippicharax Fowler, 51; orthotype *TETRAGONOPTERUS COMPRESSUS* Gthr. A substitute for *FOWLERINA* Eigenmann, preoccupied.
2273. GARMAN (1913). *The Plagiostomia (Sharks, Skates, and Rays)*. Mem. Mus. Comp. Zool. Harvard Coll., XXXVI, 1913, 1-528.
 SAMUEL GARMAN.
Vulpecula (Valmont) Garman, 31; orthotype *VULPECULA MARINA* (Valmont) Garman = *SQUALUS VULPINUS* Bonnaterre = *SQUALUS VULPES* Gmelin. Same as *ALOPIAS* Raf. and of earlier date, but Valmont's names are of doubtful validity.
- Catulus** (Valmont) Garman, 71; orthotype *CATULUS VULGARIS* Valmont = *SQUALUS CATULUS* L. Name preoccupied by *CATULUS* Kniphof, 1759, a genus of *HEMiptera*. Same as *SCYLLIORHINUS* Blainv.
- Apristurus** Garman, 96; orthotype *SCYLLIORHINUS INDICUS* Brauer.
Aplomyxterus Garman, 100; orthotype *SCYLLIUM MARMORATUM* Beimtt.
Haploblepharus Garman, 101; orthotype *SCYLLIUM EDWARDSII* (Cuv.) Voigt.
Zanobatus Garman, 291; orthotype *PLATYRHINA SCHENLEINI* M. & H.
Urobatis Garman, 401; orthotype *LEIOBATUS SLOANI* Blainv.
Pteromyllæus Garman, 437; logotype *MYLIOBATUS ASPERRIMUS* J. & E.
2274. HOLT & BYRNE (1913). *Sixth Report on the Fishes of the Irish Atlantic Slope. The Families Stomiidae, Sternoptychidae, and Salmonidae*. Dublin Fish Ireland Sci. Invest., 1913, 1-27.
 ERNEST W. L. HOLT; L. W. BYRNE.
Lamprotoxus Holt & Byrne, 2; orthotype *L. FLAGELLIBARBA* Holt & Byrne.
2275. JORDAN (1913). *Ellimma, a Genus of Fossil Herrings*. Proc. Biol. Soc. Washington, XXVI, 1913, 79.
 DAVID STARR JORDAN.
Ellimma Jordan, 79; orthotype *ELLIPES BRANNERI* Jordan (fossil). Substitute for *ELLIPES* Jordan, preoccupied.
2276. JORDAN & METZ (1913). *A Catalogue of the Fishes Known from the Waters of Korea*. Mem. Carnegie Mus., VI, 1913, 1-65.
 DAVID STARR JORDAN; CHARLES WILLIAM METZ (1889-).
- Zunasia** Jordan & Metz, 7; orthotype *PRISTIGASTER CHINENSIS*, Basilewsky, the young of *ILISHA ELONGATA* Gray. A synonym of *ILISHA* Gray.
2277. JORDAN & THOMPSON (1913). *Notes on a Collection of Fishes from the Island of Shikoku in Japan, with a Description of a New Species, Gnathypops iyonis*. Proc. U. S. Nat. Mus., XLVI, 65-72.
 DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.

- Onigocia** Jordan & Thompson, 70; orthotype *PLATYCEPHALUS MACROLEPIS* Blkr.
Inegocia Jordan & Thompson, 70; orthotype *PLATYCEPHALUS JAPONICUS* Krusen-
 stern.
2278. LAHILLE (1913). *Nota sobre siete peces de las costas argentinas*. An.
 Mus. Nac. Buenos Aires, XXIV, 1913, 1-24.
 FERNANDO LAHILLE.
- Besnardia** Lahille, 1; orthotype *B. GYRINOPS* Lahille.
2279. LANGER (1913). *Beiträge zur Morphologie der viviparen Cyprinodontiden*.
 Morph. Jahrb. Leipzig, XLVII, 1913, 193-307.
 W. F. LANGER.
- Gulapinnus** Langer, 207; orthotype *CNESTERODON DECEMMACULATUS* Garman.
- 2279A. LERICHE (1913). *Les poissons paléocènes de Landana (Congo)*. Ann. du
 Musée du Congo Belge. Geol. Paleont. Mineral., ser. 3, 1, 69-80.
 MAURICE LERICHE.
- Hypolophites** Leriche; orthotype *H. MAYOMBENSIS* Leriche (fossil shark).
2280. OGILBY (1913). *Edible Fishes of Queensland: I. Pempheridae; II. Gadop-
 siform Percoids*. Mem. Queensland Mus. (Dec. 10, 1913).
 JAMES DOUGLAS OGILBY.
- Liopempheris** Ogilby, 61; orthotype *PEMPHERIS MULTIRADIATA* Klunzinger; near
CATALUFA Snyder, 1911; perhaps a synonym.
2281. PELLÉGRIN (1913). *Poisson des côtes de Mauritanie. Mission de M.
 Grucel*. Paris Bull. Soc. Zool., XXXVIII, 1913, 116-118.
 JACQUES PELLÉGRIN.
- Panturichthys** Pellégrin, 118; orthotype *P. MAURITANICUS* Pellégrin.
2282. PELLÉGRIN (1913). *Poissons nouveaux de Guinée Française recueillis par
 M. Pobéguin*. Bull. Soc. Zool. Paris, XXXVIII, 1913, 236-241.
 JACQUES PELLÉGRIN.
- Diagrammella** Pellégrin, 295; orthotype *DIAGRAMMA MACROPS* Pellégrin.
2283. PELLÉGRIN (1913). *Sur un nouveau genre de Centrarchidés du Gabon*.
 Comptes Rendus Acad. Roy. 26, 1913, 1488-1489.
 JACQUES PELLÉGRIN.
- Parakuhlia** Pellégrin, 1489; orthotype *P. BOULENGERI* Pellégrin.
2284. RADCLIFFE (1913). *Descriptions of Seven New Genera and Thirty-one
 New Species of Fishes of the Families Brotulidae and Carapidae from the
 Philippine Islands and the Dutch East Indies*. Proc. U. S. Nat. Mus., XLIV,
 135-176.
 LEWIS RADCLIFFE.
- Homostolus** Radcliffe, 147; orthotype *H. ACER* Radcliffe.
Enchelybrotula Radcliffe, 154; orthotype *E. PAUCIDENS* Radcliffe.
Mastigopterus Radcliffe, 159; orthotype *M. IMPERATOR* Radcliffe.
Hypopleuron Radcliffe, 164; orthotype *H. CANINUM* Radcliffe.
Luciobrotula Radcliffe, 170; orthotype *L. BARTSCHI* Radcliffe.
Xenobythites Radcliffe, 173; orthotype *X. ARMIGER* Radcliffe.
Pyramodon Radcliffe, 175; orthotype *P. VENTRALIS* Radcliffe.

2285. REGAN (1913). *The Antarctic Fishes of the Scottish National Antarctic Expedition*. Edinburgh Trans. Roy. Soc. 49, 1913, 229-292.
CHARLES TATE REGAN.
Eugnathosaurus Regan, 234; orthotype *E. VORAX* Regan.
Ophthalmolycus Regan, 243; orthotype *LYCODES MACROPS* Gthr.
Austrolycichthys Regan, 244; orthotype *LYCODES BRACHYCEPHALUS* Pappenheim.
Austrolycus Regan, 245; orthotype *A. DEPRESSICEPS* Regan.
Crossolycus Regan, 247; orthotype *LYCODES FIMBRIATUS* Steind.
Pagetopsis Regan, 286; orthotype *CHAMPSOCEPHALUS MACROPTERUS* Boulenger.
Chænocephalus Regan, 287; orthotype *C. ACERATUS* Regan.
2286. REGAN (1913). *The Classification of the Percoid Fishes*. Ann. Mag. Nat. Hist., XII, 1913, 111-115.
CHARLES TATE REGAN.
Centrodraco Regan, 145; orthotype *DRACONETTA ACANTHOPOMA* Regan.
2287. REGAN (1913). *Fishes from the River Ucayali, Peru, Collected by W. Mounsey*. Ann. Mag. Nat. Hist., XII, 1913, 281-283.
CHARLES TATE REGAN.
Apistogramma Regan, 282; orthotype *HETEROGRAMMA BORELLI* Regan. A substitute for *HETEROGRAMMA* Regan, preoccupied.
2288. REGAN (1913). *The Fishes of the San Juan River, Colombia*. Ann. Mag. Nat. Hist., XII, 1913, 462-473.
CHARLES TATE REGAN.
Xenurocharax Regan, 463; orthotype *X. SPURRELLI* Regan.
Nannorhamdia Regan, 467; orthotype *N. SPURRELLI* Regan.
2289. REGAN (1913). *Phallostethus dunckeri, a Remarkable New Cyprinodont Fish from Johorc*. Ann. Mag. Nat. Hist. XII, 1913, 548-555.
CHARLES TATE REGAN.
Phallostethus Regan, 548; orthotype *P. DUNCKERI* Regan.
2290. REGAN (1913). *A Collection of Fishes Made by Professor Francisco Fucntes at Easter Island*. Proc. Zool. Soc. London, 1913, 368-374.
CHARLES TATE REGAN.
Girellops Regan, 369; orthotype *GIRELLA NEBULOSA* Kendall & Radcliffe.
2291. REGAN (1913). *A Revision of the Cyprinodont Fishes of the Sub-Family Pæciliinæ*. Proc. Zool. Soc. London, 1913, 977-1018.
CHARLES TATE REGAN.
Priapichthys Regan, 991; orthotype *GAMBUSIA ANNECTENS* Regan.
Priapella Regan, 992; orthotype *GAMBUSIA BONITA* Meck.
Pseudopæcilia Regan, 995; orthotype *PÆCILIA FESTÆ* Boulenger.
Pæcilopsis Regan, 997; orthotype *P. ISTHMENSIS* Regan.
Brachyrhaphis Regan, 997; orthotype *GAMBUSIA RHABDOPHORA* Regan.
Leptorhaphis Regan, 998; orthotype *GAMBUSIA INFANS* Woolman.
Pamphoria Regan, 1003; orthotype *CNESTERODON SCALPRIDENS* Garman.
Pamphorichthys Regan, 1003; orthotype *HETERANDRIA MINOR* Garman.
2292. RIBEIRO (1913). *Fauna Brasiliense. Peixes. V (part). Serranida (39 pp.), Hamulida (30 pp.), and Sciaenida (46 pp.)*. Arch. Mus. Rio de Janeiro, XVII, 1913.
ALÍPIO DE MIRANDA RIBEIRO.

- Symphysoglyphus** Ribeiro, 43; orthotype OTOLITHUS BAIRDI Steind.
2293. ROULE (1913). *Deuxième Expédition Antarctique Française. Poissons*, 1913, 1-25.
LOUIS ROULE.
- Dolloidraco** Roule, 15; orthotype D. LONGIDORSALIS Roule.
2294. ROULE (1913). *Étude sur les formes larvaires Tiluriennes de poissons apodes*. Ann. Inst. Ocean. Monaco, VI, f. 2, 1913, 1-23.
LOUIS ROULE.
- Grimaldichthys** Roule, 2; orthotype G. PROFUNDISSIMUS Roule.
2295. SMITH (1913). *The Hemiscylliid Sharks of the Philippine Archipelago, with Description of a New Genus from the China Sea. (Scientific Results of the Philippine Cruise of the Fisheries Steamer "Albatross," 1907-1910. No. 28.)* Proc. U. S. Nat. Mus., XLV, 567-569.
HUGH McCORMICK SMITH.
- Cirrhoscyllium** Smith, 568; orthotype C. EXPOLITUM Smith.
- 2296-2297. SMITH (1913). *Description of a New Carcharioid Shark from the Sulu Archipelago*. Proc. U. S. Nat. Mus., XLV, 1913, 599-601.
HUGH McCORMICK SMITH.
- Eridacnis** Smith, 599; orthotype E. RADCLIFFEI Smith.
2298. STARKS (1913). *The Fishes of the Stanford Expedition to Brazil*. Stanford Univ. Publ., University Series, 1913, 1-77.
EDWIN CHAPIN STARKS.
- Platypogon** Starks, 29; orthotype P. CERULIROSTRIS Starks.
2299. WEBER (1913). *Résultats de l'expédition scientifique néerlandaise à la Nouvelle-Guinée*. Nova Guinea, IX, 513-613.
MAX WEBER.
- Oloplotosus** Weber, 521; orthotype O. MARLE Weber.
- Porochilus** Weber, 523; orthotype P. OBVESTI Weber.
- Doiichthys** Weber, 532; orthotype D. NOVE-GUINEÆ Weber.
- Tetranesodon** Weber, 545; orthotype T. CONORHYNCHUS Weber.
2300. WEBER (1913). *Siboga-Expédition. Die Fische der Siboga-Expédition*. Leiden, 1-710.
MAX WEBER.
- Ceromitus** Weber, 54; orthotype C. FLAGELLIFER Weber.
- Promacheon** Weber, 84; orthotype P. SIBOGÆ Weber.
- Apterygocampus** Weber, 116; orthotype A. EPINNULATUS Weber.
- Odontonema** Weber, 148; orthotype O. KERBERTI Weber.
- Leiogaster** Weber, 179; orthotype L. MELANOPUS Weber.
- Pteranthias** Weber, 209; orthotype P. LONGIMANUS Weber.
- Sphenanthias** Weber, 210; orthotype S. SIBOGÆ Weber.
- Nematochromis** Weber, 265; orthotype N. ANNÆ Weber.
- Cheiloprion** Weber, 342; orthotype POMACENTRUS LABIATUS Day.
- Cyttula** Weber, 411; orthotype C. MACROPS Weber.
- Lepidoblepharon** Weber, 421; orthotype L. OPHTHALMOLEPIS Weber.
- Liopteryx** Weber, 423; orthotype BRACHYPLEURA XANTHOSTICTA Alcock.
- Pleurosicya** Weber, 456; orthotype P. BOLDINGHI Weber.
- Tydemania** Weber, 570; orthotype T. NAVIGATORIS Weber.

2301. WEBER (1913). *Neue Beiträge zur Kenntniss der Süßwasserfische von Celebes*.^{*} Amster. Bijdr. Dierk., 1913, 197-213.

MAX WEBER.

Adrianichthys Weber, 204; orthotype A. KRUYTI Weber.

2302. ZUGMAYER (1913). *Diagnoses des Stomiatiidés provenant des campagnes du Yacht "Hirondelle II," 1911-1912*. Bull. Institut. Océanographique. Monaco, 1913.

ERICH ZUGMAYER.

Aristostomias Zugmayer, 1; orthotype A. GRIMALDII Zugmayer.

1914.

2303. BERG (1914). *Faune de la Russie et des Pays limitrophes*. Bull. Acad. Imp. Sci. Petrograd. *Poissons, Marsipobranchii et Pisces*. Tome III, Ostariophysi, Livraison 2, 1914.

LEO SEMENOVICH BERG.

Chilogobio Berg, 488; orthotype C. SOLDATOVI Berg.

Pseudogobiops Berg, 500; orthotype GOBIO RIVULARIS Basilewsky.

Leucalburnus Berg, 5, 521; orthotype L. SATURNINI Berg.

2304. BOGOLIUBOV (1914). *Étude sur le Paracymatodus Traut.* Ann Géol. Univérs. Novo Aleksandrija, XVI, 197-199.

H. H. BOGOLIUBOV.

Paracymatodus Bogoliubov, 197; orthotype CYMATODUS RECLINATUS Trautschold.

2305. BOULENGER (1914). *Mission Stappers au Tanganika-Moero. Diagnoses de poissons nouveaux. I. Acanthopterygiens, Opisthomes, Cyprinodontes*. Rev. Zool. Afr. Bruxelles, III, 1914, 442-447.

GEORGE ALBERT BOULENGER.

Luciolates Boulenger, 443; orthotype L. STAPPERSII Boulenger.

Stappersia Boulenger, 445; orthotype S. SINGULARIS Boulenger.

2306. BOULENGER (1914). *Cichlidae*. Wissensch. Ergebniss. Deutsch. Zentral. Afrika-Exped., 1907-1908, V, Zool. III, 1914, 253-259.

GEORGE ALBERT BOULENGER.

Schubotzia Boulenger, 258; orthotype S. EDUARDINA Boulenger.

2307. BRANSON (1914). *The Devonian Fishes of Missouri*. Bull. Univ. Missouri. Science, II, 59-74.

EDWIN BAYER BRANSON.

Eoörodus Branson, 68; orthotype E. TYPUS Branson (fossil: shark-tooth).

2308. EASTMAN (1914). *Catalog of the Fossil Fishes in the Carnegie Museum*. Pt. II. Supplement to the *Catalog of Fishes from the Upper Eocene of Monte Bolca*. Mem. Carneg. Mus., VI, No. 5, 315-348.

CHARLES ROCHESTER EASTMAN.

Eobothus Eastman, 328; orthotype RHOMBUS MINIMUS Ag. (fossil flounder).

Eolabroides Eastman, 336; orthotype CRENILABRUS SZANOCHEÆ Zigno (fossil labroid).

Gillidia Eastman, 345; orthotype TOXOTES ANTIQUUS Ag. (fossil).

^{*} Reise von E. C. Abendanon.

2309. EASTMAN (1914). *Catalogue of the Fossil Fishes in the Carnegie Museum, II*. Descriptive catalogue of the fossil fishes from the Lithographic Stone of Solenhofen, Bavaria. Mem. Carneg. Mus., VI, 1914, 389-449.

CHARLES ROCHESTER EASTMAN.

Parathrissops Eastman, 417; orthotype *P. FURCATUS* Eastman (fossil LEPTOLEPIDÆ, Jurassic, Solenhofen).

2310. EIGENMANN (1914). *Some Results from Studies of South American Fishes*. Indiana Univ. Bull., XII, 1914, 20-48.

CARL H. EIGENMANN.

Bleptonema Eigenmann, 44; orthotype *B. PARAGUAYENSIS* Eigenmann. A synonym of *PRIONOBAMA* Eigenmann.

Parecbasis Eigenmann, 45; orthotype *P. CYCLOLEPIS* Eigenmann.

2311. EIGENMANN, HENN, AND WILSON. (1914). *New Fishes from Western Colombia, Ecuador and Peru*. Indiana Univ. Studies, XIX, 1914, 1-15.

CARL H. EIGENMANN; ARTHUR WILBUR HENN; CHARLES WILSON.

Landonia Eigenmann & Henn, 1; orthotype *L. LATIDENS* Eigenmann & Henn.

Phanagoniates Eigenmann & Henn, 2; orthotype *P. WILSONI* Eigenmann & Henn. Misprinted elsewhere as PHENAGONIATES.

Microbrycon Eigenmann, Henn & Wilson, 3; orthotype *M. MINUTUS* Eigenmann Henn & Wilson.

Ceratobranchia Eigenmann, Henn & Wilson, 4; orthotype *C. OBTUSIROSTRIS* Eigenmann, Henn & Wilson.

2312. FACCIOLÀ (1914). *Su di un nuovo tipo del Nettastomidi*. Roma, Bull. Soc. Zool. Ital. (3), III, 1914, 39-47.

LUIGI FACCIOLÀ.

Nettastomella Facciolà, 47; orthotype *N. PHYSONEMA* Facciolà.

2313. FOWLER (1914). *Fishes from the Rupununi River, British Guiana*. Proc. Acad. Nat. Sci. Phila., LXVI, 229-284.

HENRY WEED FOWLER.

Myocharax Fowler, 239; orthotype *LEPORINUS DESMOTES* Fowler.

Xiphocharax Fowler, 251; orthotype *X. OGILVIEI* Fowler.

Cobitiglanis Fowler, 268; orthotype *OCHMACANTHUS TAXISTIGMA* Fowler. A synonym of *HENONEMUS* Eigenmann & Ward.

Stoniella Fowler, 271; orthotype *S. LEOPARDUS* Fowler.

2314. JORDAN & THOMPSON (1914). *Record of the Fishes Obtained in Japan in 1911*. Mem. Carneg. Mus. VI, 1914, 205-313.

DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.

Tanakia Jordan & Thompson, 230; orthotype *RHODEUS ORYZE* Jordan & Thompson.

Ectenius Jordan & Thompson, 241; orthotype *E. BRUNNEUS* Jordan & Thompson.

Icticus Jordan & Thompson, 242; orthotype *I. ISCHANUS* Jordan & Thompson.

Franzia Jordan & Thompson, 251; orthotype *ANTHIAS NOBILIS* Franz.

Calymmichthys Jordan & Thompson, 296; orthotype *C. XENICUS* Jordan & Thompson.

Spectrunculus Jordan & Thompson, 301; orthotype *S. RADCLIFFEI* Jordan & Thompson.

Tarphops Jordan & Thompson, 307; orthotype *PSEUDORHOMBUS OLIGOLEPIS* Blkr.

2315. McCULLOCH (1914). *Notes on Some Australian Pipe-Fishes*. Australian Zoologist I, pt. 1, 1914, 29-31.

ALLAN RIVERSTON McCULLOCH.

Histiogamphelus McCulloch, 30; orthotype *H. BRIGGSI* McCulloch.

2316. McCULLOCH (1914). *Report on Some Fishes Obtained by the F. I. S. "Endeavour" on the Coast of Queensland, New South Wales, Victoria, Tasmania, South and South Western Australia.* Part II. Biol. Res. "Endeavour," II, Pt. 3, 77-165.

ALLAN RIVERSTON McCULLOCH.

- Vinculum** McCulloch, 110; orthotype *CHLETODON SENFASCIATUS* Rich.
Allocyttus McCulloch, 114; orthotype *CYTOSOMA VERRUCOSUM* Gilchrist.

2317. MEEK (1914). *An Annotated List of Fishes Known To Occur in the Fresh Waters of Costa Rica.* Field Museum, Nat. Hist. Pub. Zool., Ser. X, 1914, 101-134.

SETH EUGENE MEEK.

- Carlia** Meek, 108; orthotype *CHEIRODON EIGENMANNI* Meek.

2318. OGILBY (1914). (*Ptenonotus*.) Ann. Queensland Museum, XXII.

JAMES DOUGLAS OGILBY.

- Ptenonotus** Ogilby, 13; orthotype *EXOCÆTUS CIRRIGER* Peters.

2319. PAPPENHEIM (1914). *Die Tiefseefische.* Südpol-Expedition. 1901-1903, XV, Zoologie, VI, 1914, 163-200.

KARL PAPPENHEIM.

- Gnathostomias** Pappenheim, 172; orthotype *G. LONGIFILIS* Pappenheim.

- Neoceratias** Pappenheim, 198; orthotype *N. SPINIFER* Pappenheim.

2320. REGAN (1914). *Diagnoses of New Marine Fishes Collected by the British Antarctic ("Terra Nova") Expedition.* Ann. Mag. Nat. Hist. XIII, 1914, 11-17.

CHARLES TATE REGAN.

- Prinodraco** Regan, 10; orthotype *P. EVANSI* Regan.

- Pogonophryne** Regan, 13; orthotype *P. SCOTTI* Regan.

- Chænodraco** Regan, 14; orthotype *C. WILSONI* Regan.

- Serranops** Regan, 15; orthotype *S. MACULICAUDA* Regan.

- Cynophidium** Regan, 16; orthotype *C. PUNCTATUM* Regan.

- Lepidoperca** Regan, 17; orthotype *L. INORNATA* Regan.

2321. REGAN (1914). *Note on *Aristeus goldiei* Macleay, and on Some Other Fishes from New Guinea.* Proc. Zool. Soc. London, 1914, 339-340.

CHARLES TATE REGAN.

- Rhombosoma** Regan, 339; orthotype *NEMATOCENTRIS NOVÆ-GUINÆE* Weber = *ARISTEUS GOLDIEI* Macleay.

2322. REGAN (1914). *Report on the Fresh-Water Fishes Collected by the British Ornithologists' Union Expedition in Dutch New Guinea.* Trans. Zool. Soc. London, 1914, XX, 275-286.

CHARLES TATE REGAN.

- Rhadinocentrus** Regan, 280; orthotype *R. ORNATUS* Regan.

- Anisocentrus** Regan, 281; orthotype *NEMATOCENTRIS RUBROSTRIATUS* Weber.

- Chilatherina** Regan, 282; orthotype *RHOMBATRACTUS FASCIATUS* Weber.

2323. REGAN (1914). *Two New Cyprinid Fishes from Waziristan, Collected by Major G. E. Bruce.* Ann. Mag. Nat. Hist. XIII, 1914, 261-263.

CHARLES TATE REGAN.

- Schizocypris** Regan, 262; orthotype *S. BRUCEI* Regan.

2324. REGAN (1914). *Descriptions of Two New Cyprinodont Fishes from Mexico, Presented to the British Museum by Herr A. Rachow.* Ann. Mag. Nat. Hist., XIV, 1914, 65-67.

CHARLES TATE REGAN.

Heterophallus Regan, 66; orthotype H. RACHOVII Regan.

2325. REGAN (1914). *A Synopsis of the Fishes of the Family Macrorhamphosidæ.* Ann. Mag. Nat. Hist., XIII, 1914, 17-21.

CHARLES TATE REGAN.

Notopogon Regan, 14; logotype N. SCHOTELI Regan.

Scolopacichthys Regan, 21; orthotype CENTRISCUS ARMATUS Sauvage.

2326. REGAN (1914). *British Antarctic ("Terra Nova") Expedition. Zoology, I, Fishes, 1914, 1-54.*

CHARLES TATE REGAN.

Histiodraco Regan, 9; orthotype DOLLOIDRACO VELIFER Regan.

Pyramodon Regan, 20; orthotype CYNOPHIDIUM PUNCTATUM Regan.

2327. ZUGMAYER (1914.) *Diagnoses de quelques poissons nouveaux provenant des campagnes du yacht Hirondelle II (1911-1913).* Bull. Inst. Ocean. Monaco, 1914, No. 2888, 1-4.

ERICH ZUGMAYER.

Cetostoma Zugmayer, 3; orthotype C. REGANI Zugmayer.

Zoarcites Zugmayer, 3; orthotype Z. PARDALIS Zugmayer.

1915.

2328. BAMBER (1915). *Reports on the Marine Biology of the Sudanese Red Sea, from Collections Made by Cyril Crossland, etc. XXII. The Fishes.* Journ. Linn. Soc. London, XXXI, 1915, 477-485.

R. C. BAMBER.

Neenchelys Bamber, 479; orthotype N. MICROTRETUS Bamber.

2329. BERG (1915). *Compte-Rendu préliminaire sur les harénges collectionnés dans la mer Caspienne par l'Expédition Caspienne de l'Année, 1913.* Mat. Pozn. Russk. Rybolav, IV, No. 6, pp. 1-8.

LEW SEMENOVICH BERG.

Caspialosa Berg, 12; orthotype CLUPEONELLA CASPIA Berg. A substitute for CLUPEONELLA Berg; not of Kessler.

2330. BERG (1915). *Faune de la Russie. Poissons, III, Pt. 2, 337-704.*

LEW SEMENOWITCH BERG.

Chilogobio Berg, 490; orthotype C. CZERSKII Berg.

2331. EIGENMANN (1915). *The Cheilodontina, a Subfamily of Minute Characid Fishes of South America.* Mem. Carneg. Mus., VII, No. 1, 1-99.

CARL H. EIGENMANN.

Leptobrycon Eigenmann, 46; orthotype L. JUTUANANÆ Eigenmann.

Macropsobrycon Eigenmann, 48; orthotype M. URUGUAYANÆ Eigenmann.

Megalampodus Eigenmann, 49; orthotype M. MEGALOPTERUS Eigenmann.

Microschemobrycon Eigenmann, 56; orthotype M. GUAPORENSIS Eigenmann.

Oligobrycon Eigenmann, 57; orthotype O. MICROSTOMUS Eigenmann.

Aphyocheirodon Eigenmann, 58; orthotype *A. HEMIGRAMMUS* Eigenmann.
Compsura Eigenmann, 60; orthotype *C. HETERURA* Eigenmann.
Mixobrycon Eigenmann, 62; orthotype *CHEIRODON RIBEIROI* Eigenmann.

2332. EIGENMANN (1915). *The Serrasalminæ and Mylinae*. Ann. Carneg. Mus., IX, 1915, 226-272.

CARL H. EIGENMANN.

Gastropristis Eigenmann, 238; orthotype *SERRASALMO TERNETZI* Steind.
Rooseveltiella Eigenmann, 240; orthotype *SERRASALMO NATTERERI* Kner.
Pristobrycon Eigenmann, 245; orthotype *SERRASALMO CALMONI* Steind.

2333. FOWLER (1915). *Notes on Nematognathous Fishes*. Proc. Acad. Nat. Sci. Phila., LXVII, 223-243.

HENRY WEED FOWLER.

Cataphractops Fowler, 231; orthotype *CALLICHTHYS MELAMPTERUS* Cope.
Diapaletoplites Fowler, 237; orthotype *HYPOPTOPOMA GULARE* Cope.

2334. GILBERT (1915). *Fishes Collected by the United States Steamer "Albatross" in Southern California in 1904*. Proc. U. S. Nat. Mus., XLVIII, 305-380.

CHARLES HENRY GILBERT.

Xenognathus Gilbert, 311; orthotype *X. PROFUNDORUM* Gilbert.
Zastomias Gilbert, 322; orthotype *Z. SCINTILLANS* Gilbert.
Asterotheca Gilbert, 343; orthotype *XENOCHIRUS PENTACANTHUS* Gilbert.
Liparisus Gilbert, 358; orthotype *L. NANUS* Gilbert.
Lycogramma Gilbert, 364; orthotype *MAYNEA BRUNNEA* Bean.
Monoceratias Gilbert, 379; orthotype *M. ACANTHIAS* Gilbert.

2335. HUBBS (1915). *Flounders and Soles from Japan Collected by the United States Bureau of Fisheries Steamer "Albatross" in 1906*. Proc. U. S. Nat. Mus., XLVIII, 449-496.

CARL L. HUBBS (1894-).

Citharoides Hubbs, 453; orthotype *C. MACROLEPIDOTUS* Hubbs.
Psettina Hubbs, 456; orthotype *ENGYPROSOPON IJIMLE* Jordan & Starks.
Læoptichthys Hubbs, 460; orthotype *L. FRAGILIS* Hubbs.
Gareus Hubbs, 486; orthotype *PLEURONECTES OBSCURUS* Herzenstein.

2336. McCULLOCH (1915). *Notes on and Descriptions of Australian Fishes*. Proc. Linn. Soc. New S. Wales, XL, 259-277.

ALLAN RIVERSTON McCULLOCH.

Lovettia McCulloch, 259; orthotype *HAPLOCHITON SEALII* Johnston.

2337. McCULLOCH (1915). *Notes and Illustrations of Queensland Fishes*. Mem. Queensland Mus., III, 1915, 47-56.

ALLAN RIVERSTON McCULLOCH.

Belonepterygion McCulloch, 51; orthotype *ACANTHOCLINUS FASCIOLATUS* Ogilby.

2338. McCULLOCH (1915). *Report on Some Fishes Obtained by the F. I. S. "Endeavour" on the Coast of Queensland, New South Wales, Victoria, Tasmania, South and South Western Australia*, Part III. Biol. Res. "Endeavour" 3, Pt. III, 97-170.

ALLAN RIVERSTON McCULLOCH.

Acanthopegasus McCulloch, 106; orthotype *PEGASUS LANCIFER* Kaup.

2339. McCULLOCH & WAITE (1915). *A Revision of the Genus Aracana and Its Allies*. Trans. Roy. Soc. Austral., XXXIX, 1915, 477-493.

ALLAN RIVERSTON McCULLOCH; EDGAR RAVENSWOOD WAITE.

Caprichthys McCulloch & Waite, 482; orthotype *C. GYMNURA* McCulloch & Waite.

2340. OGILBY (1915). *On Some New or Little Known Australian Fishes*. Mem. Queensland Mus., III, 1915, 117-129.

JAMES DOUGLAS OGILBY.

Reganichthys Ogilby, 123; orthotype *R. MAGNIFICUS* Ogilby. A synonym of *GLAUCOSOMA* T. & S.

Rhizoprion Ogilby, 132; orthotype *CARCHARIAS CRENIDENS* Klunzinger.

2341. PELLÉGRIN (1915). *Les poissons du bassin de l'Ogoué*. Comptes Rend. Ass. France. Adv. Science, XLIII, 500-505.

JACQUES PELLÉGRIN.

Hemistichodus Pellégrin, 500; orthotype *H. VAILLANTI* Pellégrin.

2342. RIBEIRO (1915). *Fauna Brasileira, Peixes (Eleutherobranchios aspirophoros)*. Archivos do Museo Nacional do Rio Janeiro, XVII, 1915. (In this large volume each family has a separate pagination.)

ALIPIO DE MIRANDA RIBEIRO.

Kronia Ribeiro (ATHERINIDÆ), 9; orthotype *K. IGUAPENSIS* Ribeiro.

Pseudothyria Ribeiro (ATHERINIDÆ), 11; orthotype *P. JHERINGI* Ribeiro.

Toledia Ribeiro (STROMATEIDÆ), 5; orthotype *T. MACROPHTHALMA* Ribeiro.

Davidia Ribeiro (BALISTIDÆ), 9; orthotype *ALUTERA PUNCTATA* Ag. Not DAVIDIUS Selys, 1878, in NEUROPTERA, being named for a different person, David Starr Jordan.

Pseudomulloidis Ribeiro (MULLIDÆ), 4; orthotype *P. CARMINEUS* Ribeiro.

Marcgravichthys Ribeiro (BATRACHOIDIDÆ), 3; orthotype *BATRACHUS CRYPTOCENTRUS* Cuv. & Val. Substitute for *MARCGRAVIA* Jordan, 1886, for the inadequate reason of the use of the name in botany. But both are synonyms of *AMPHICHTHYS* Sw., 1839.

Parablennius Ribeiro (BLENNIIDÆ), 3; orthotype *BLENNIUS PILICORNIS* Cuv. & Val.

2343-2344. ROULE (1915). *Sur un nouveau genre de poissons apodes et sur quelques particularités de la biologie de ces êtres*. C. R. Acad. Sci., 160, 1915, 283-284.

LOUIS ROULE.

Pseudoplichthys Roule, 283; orthotype *P. LATIDORSALIS* Roule.

2345. SILVESTER (1915). *Fishes New to the Fauna of Porto Rico*. Washington, Carnegie Inst. Year Book, 14, 1915, 214-217.

CHARLES F. SILVESTER.

Mayerina Silvester, 214; orthotype *M. MAYERI* Silvester.

2346. SOLDATOV & PAVLENKO (1915). *Two New Genera of Cottidæ from Tartar Strait and Okhotsk Sea*. Ann. Mus. Zool. Ac. Sci. Petrograd, XX, 1915.

V. K. SOLDATOV; M. N. PAVLENKO.

Taurocottus Soldatov & Pavlenko, 149; orthotype *T. BERGI* Soldatov & Pavlenko.

Trichocottus Soldatov & Pavlenko, 151; orthotype *T. BRASHNIKOWI* Soldatov & Pavlenko.

2347. STEINDACHNER (1915). *Beiträge zur kenntniss der Flussfische Sudamenkas*. Denks. Kais. Ak. Wiss. Wien, V, 1915.

FRANZ STEINDACHNER.

Æquidens Steindachner, 34; orthotype **TETRAGONOPTERUS FASSLII** Steind. Name preoccupied by **ÆQUIDENS** Eigenmann & Bray.
Pseudepterus Steindachner, 82; orthotype **AUCHENIPTERUS HASEMANI** Steind.

2348. TANAKA (1915). *Ten New Species of Japanese Fishes*. (Text in Japanese). Tokyo Zool. Mag. XXVII, 1915, 556-568.

SHIGEO TANAKA.

Kanekonia Tanaka, 556; orthotype **K. FLORIDA** Tanaka. (In Japanese, Nov. 15, 1915; English version Nov. 28, 1918).

Asterorhombus Tanaka, 567; orthotype **A. STELLIFER** Tanaka.

Scidorhombus Tanaka, 567; orthotype **S. PALLIDUS** Tanaka.

Lubricogobius Tanaka, 567; orthotype **L. EXIGUUS** Tanaka.

Henicichthys Tanaka, 568; orthotype **H. FORAMINOSUS** Tanaka.

Leptoscolopsis Tanaka, XIX; orthotype **L. NAGASAKIENSIS** Tanaka.

2349. WOODWARD (1915). *The Fossil Fishes of the English Wealden and Purbeck Formations*, I, 1-48. London Mon. Palaeont. Soc.

ARTHUR SMITH WOODWARD.

Hylæobatis Woodward, 19; orthotype **H. PROBLEMATICA** Woodw. (fossil) (**MYLIOBATIDÆ**).

1916.

2350. BERG (1916). *Les poissons des eaux douces de la Russie*. Moscow. (In Russian.) 1-563.

LEW SEMENOVICH BERG.

Leucalburnus Berg, 292; orthotype **PHOXINUS SATUNINI** Berg.

Acanthalburnus Berg, 299; orthotype **ALBURNUS PUNCTULATUS** Kessler.

Capoëtobrama Berg, 316; orthotype **ACANTHOBRAMA KUSCHAKEWITSCHI** Kessler.

2351. BOGOLIUBOV (1916). (Russian Title.) *Sur l'ichthyodorulite du Polyrhizus concavus Trd. de Miatchkovo*. Gouv. de Moscou Ann. Geol. Miner. Novo Alexandrija, XVI.

N. N. BOGOLIUBOV.

Paracymatodus Bogoliubov, 197; orthotype **CYMATODUS RECLINATUS** Trautschold (fossil) (**PETALODONTIDÆ**). Substitute for **CYMATODUS** Trautschold (not of Newberry). preoccupied.

2352. BOULENGER (1916). *Catalogue of the Fresh-water Fishes of East Africa*.

GEORGE ALBERT BOULENGER.

Otoperca Boulenger, 130; orthotype **LARIMUS AURITUS** Cuv. & Val. A synonym of **BRACHYDEUTERUS** Gill.

Lobochilotes Boulenger, 280; orthotype **TILAPIA LABIATA** Boulenger.

Liauchenoglanis Boulenger, 314; orthotype **L. MACULATUS** Boulenger.

Champsochromis Boulenger, 433; orthotype **C. CÆRULEA** Boulenger.

2353. EIGENMANN (1916). *New and Rare Fishes from South American Rivers*. Ann. Carnegie Mus., X.

CARL H. EIGENMANN.

Cetopsorhamdia Eigenmann, 83; orthotype **C. NASUS** Eigenmann.

2354. EIGENMANN (1916). *On Apareiodon, a New Genus of Characid Fishes*. Ann. Carnegie Museum, X.

CARL H. EIGENMANN.

Apareiodon Eigenmann, 71; orthotype *PARODON PIRACICABÆ* Eigenmann.

2355. FOWLER (1916). *Notes on Fishes of the Orders Haplomi and Microcyprini*. Proc. Ac. Nat. Sci. Phila., LXVIII.

HENRY WEED FOWLER.

Galasaccus Fowler, 417; orthotype *HYDRARGYRA SIMILIS* Baird & Grd. A substitute for *HYDRARGYRA* as commonly used, *HYDRARGYRA SWAMPINA* Lac. being a true *FUNDULUS*.

Chriopeops Fowler, 425; orthotype *LUCANIA GOODEI* Jordan.

Oxzygonectes Fowler, 425; orthotype *HAPLOCHILUS DOWI* Gthr.

2356. GILBERT & HUBBS (1916). *Report on the Japanese Macruroid Fishes Collected by the United States Fisheries Steamer "Albatross" in 1901, with a Synopsis of the Genera*. Proc. U. S. Nat. Mus., LI, 135-214.

CHARLES HENRY GILBERT; CARL LEAVITT HUBBS.

Squalogadus Gilbert & Hubbs, 156; orthotype *S. MODIFICATUS* Gilbert & Hubbs.

2357. HENN (1916). *On Various South American Pæciliid Fishes*. Ann. Carnegie Mus., X, pp. 93-142.

ARTHUR WILBUR HENN.

Diphyacantha Henn, 113; orthotype *D. CHOCOËNSIS* Henn.

Neoheterandria Henn, 117; orthotype *N. ELEGANS* Henn.

Phalloptychus Henn, 121; orthotype *P. EIGENMANNI* Henn.

Phallatorhynchus Henn, 126; orthotype *P. FASCIOLATUS* Henn.

2358. HUBBS (1916). *Notes on the Marine Fishes of California*. Univ. of California Pub. in Zoology, XVI, 1916, 153-169.

CARL LEAVITT HUBBS.

Lestidiops Hubbs, 154; orthotype *L. SPHYRENOPSIS* Hubbs.

2359. JORDAN (1916). *The Nomenclature of American Fishes as Affected by the Opinions of the International Commission on Zoological Nomenclature*. Copeia (April 12, 1916).

DAVID STARR JORDAN.

Sufflamen Jordan, 27; orthotype *BALISTES CAPISTRATUS* Shaw. Substitute for *PACHYNATHUS* Sw., preoccupied in Spiders as *PACHYGNATHUS*.

2360. McCULLOCH (1916). *Ichthyological Items*. Mem. Queensland Mus., V (July 10, 1916).

ALLAN RIVERSTON McCULLOCH.

Phyllichthys McCulloch, 67; orthotype *P. PUNCTATUS* McCulloch.

2361. MEEK & HILDEBRAND (1916). *The Fishes of the Fresh Waters of Panama*. Field Museum of Natural History, No. 191; X, Dec. 28, 1916.

SETH EUGENE MEEK; SAMUEL F. HILDEBRAND.

Leptoancistrus Meek & Hildebrand, 254; orthotype *ACANTHICUS CANENSIS* Meek & Hildebrand.

Pseudocheirodon Meek & Hildebrand, 275; orthotype *P. AFFINIS* Meek & Hildebrand.

Leptophilypnus Meek & Hildebrand, 361; orthotype *L. FLUVIATILIS* Meek & Hildebrand.

Microelettris Meek & Hildebrand, 362; orthotype *M. AFFINIS* Meek and Hildebrand.

- Hemieleotris** Meek & Hildebrand, 364; orthotype *ELEOTRIS LATIFASCIATUS* Meek & Hildebrand.
2362. OGILBY (1916). *Check List of the Cephalochordates, Selachians and Fishes of Queensland*, Part 1. Mem. Queensl. Mus., 1916.
JAMES DOUGLAS OGILBY.
- Dasybatus** (Klein; Walbaum) Ogilby, 87; orthotype *RAJAPASTINACA* L. Same as *DASYTIS* Raf. The names reproduced by Walbaum from Klein are rejected by the International Commission.
- Cestracion** (Walbaum after Klein) Ogilby, 81; orthotype *SQUALUS ZYGÆNA* L. The generic names quoted by Walbaum in 1792 from Klein are rejected by the International Commission.
2363. OGILBY (1916). (*Læpichthys*.) Mem. Queensland Mus., V.
JAMES DOUGLAS OGILBY.
- Læpichthys** Ogilby, 173; orthotype *ACANTHURUS ROSTRATUS* Gthr.
2364. REGAN (1916). *A Revision of the Clupeoid Fishes of the Genera Pomolobus, Brevoortia and Dorosoma and Their Allies*. Ann. Mag. Nat. Hist., 1916, 297 et seq.
CHARLES TATE REGAN.
- Paralosa** Regan, 167; orthotype *ALOSA KANAGURTA* Blkr. Name said to be preoccupied (*PARALOSA* Blkr.), replaced by *HILSA* Regan, 1916. But I do not find a *PARALOSA* in Bleeker's writings.
- Ethmalosa** Regan, 302; orthotype *ALAUSA DORSALIS* Cuv. & Val.
- Hilsa** Regan, 303; logotype *ALOSA KANAGURTA* Blkr. Substitute for *PARALOSA* Regan, said to be preoccupied.
- Nematalosa** Regan, 312; orthotype *CLUPEA NASUS* Bloch.
- Gonialosa** Regan, 315; orthotype *CHATOËSSUS MODESTUS* Day.
2365. REGAN (1916). *The Morphology of the Cyprinodont fishes of the subfamily Phallostethinæ*, etc. Proc. Zool. Soc. London.
CHARLES TATE REGAN.
- Neostethus** Regan, 14; logotype *N. LANKESTERI* Regan.
2366. RIBEIRO (1916). *Fauna Brasiliensis, Peixes, V*. Archiv. Museu Nacional, XVII. Mullidæ.
ALÍPIO DE MIRANDA RIBEIRO.
- Pseudomulloidis** Ribeiro, 3; orthotype *P. CARMINEUS* Ribeiro.
2367. ROULE (1916). *Notice préliminaire sur quelques espèces nouvelles provenant des croisiers de S. A. S. le Prince de Monaco*. Bull. Inst. Océanographique Monaco.
LOUIS ROULE.
- Belonopterois** Roule, 13; orthotype *B. VIRIDENSIS* Roule.
- Barathrites** Roule, 17; orthotype *B. ABYSSORUM* Roule.
- Echinomacrurus** Roule, 22; orthotype *E. MOLLIS* Roule.
- Bathysolea** Roule, 28; orthotype *B. ALBIDA* Roule.
2368. TANAKA (1916). *Nihon san gyorui no san shinshu (Three New Species of Japanese Fish)*. Dobuts. Z. Tokyo, XXVII.
SHIGEIIO TANAKA.
- Paragyrops** Tanaka, 141; orthotype *P. EDITA* Tanaka.
- Pluviopsetta** Tanaka, 141; orthotype *P. TANIGUCHI* Tanaka.

2369. TANAKA (1916). *Nihon san gyorui no shi shinshu (Two New Species of Japanese Fishes)*. Dobuts. Z. Tokyo, XXVIII.

SHIGEHO TANAKA.

Brevigobio Tanaka, 102; orthotype *B. KAWABATÆ* Tanaka.

2370. THOMPSON (1916). *Fishes Collected by the United States Bureau of Fisheries Steamer "Albatross" during 1888, between Montevideo, Uruguay, and Tomé, Chile, on the Voyage Through the Straits of Magellan*. Proc. U. S. Nat. Mus. L. (May 20, 1916).

WILLIAM FRANCIS THOMPSON.

Ethmidium Thompson, 458; orthotype *CLUPEA NOTACANTHOIDES* Steind. = *ALAUSA MACULATA* Cuv. & Val.

2371. WAITE (1916). *Fishes, Australasian Antarctic Expedition*. Sci. Rep.

EDGAR RAVENSWOOD WAITE.

Aconichthys Waite, 30; orthotype *A. HARRISSONI* Waite.

Cygnodraco Waite, 32; orthotype *C. MAWSONI* Waite.

Dacodraco Waite, 35; type *D. HUNTERI* Waite.

Notosudis Waite, 56; orthotype *N. HAMILTONI* Waite.

Aurion Waite, 63; orthotype *A. EFFULGENS* Waite.

2372. WATSON & DAY (1916). *Notes on Some Palæozoic Fishes*. Mem. Lit. Phil. Soc. Manchester, LX.

DAVID MEREDITH SEAKES WATSON; HENRY DAY.

Pentlandia Watson & Day, 34; orthotype *DIPTERUS MACROPTERUS* Traquair (fossil).

2373. WEBER & BEAUFORT (1916). *The Fishes of the Indo-Australian Archipelago, III, Ostariophysii, Apodes, Synbranchi*.

MAX WEBER; LIEVEN FERDINAND DE BEAUFORT.

Brachydanio Weber & Beaufort, 85; orthotype *DANIO ALBOLINEATA* Blyth.

Lissochilus Weber & Beaufort, 167; logotype *L. SUMATRANUS* Weber & Beaufort.

Hemerorhinus Weber & Beaufort, 281; orthotype *SPHAGEBRANCHIUS HEYNINGI* Weber.

Cheiloprion Weber, 342; orthotype *POMACENTRUS LABIATUS* Day.

2374. WOODWARD (1916). *The Fossil Fishes of the English Wealden and Purbeck Formations, II*. Paleontological Society, LXIX, October, 1916.

ARTHUR SMITH WOODWARD.

Hylæobatis Woodward, 19; orthotype *H. PROBLEMATICA* Woodw. (fossil).

1917.

2375. EASTMAN (1917). *Fossil Fishes in the United States National Museum*. Proc. U. S. Nat. Mus., 1917. LII.

CHARLES ROCHESTER EASTMAN.

Parafundulus Eastman, 291; orthotype *P. NEVADENSIS* Eastman (Pleistocene of Nevada fossil).

2376. EIGENMANN (1917). *The American Characida*. Mem. Mus. Comp. Zool., XLIII, pt. 1, 1917.

CARL H. EIGENMANN.

Entomolepis Eigenmann, 63; orthotype *TETRAGONOPTERUS STEINDACHNERI* Eigenmann.

2377. EIGENMANN (1917). *New and Rare Species of South American Siluridæ in the Carnegie Museum*. Ann. Carneg. Mus., XI, 1917.

CARL H. EIGENMANN.

Cheirocerus Eigenmann, 398; orthotype *C. EQUUS* Eigenmann.

Entomocorus Eigenmann, 403; orthotype *E. BENJAMINI* Eigenmann.

2378. EVERMANN & RADCLIFFE (1917). *Fishes of the West Coast of Peru and the Titicaca Basin*. Bull. U. S. Nat. Mus., XCV, 1917.

BARTON WARREN EVERMANN; LEWIS RADCLIFFE.

Epeelytes Evermann & Radcliffe, 71; orthotype *E. PUNCTATUS* Evermann & Radcliffe.

Xenoscarus Evermann & Radcliffe, 129; orthotype *X. DENTICULATUS* Evermann & Radcliffe.

2379. JORDAN (1917). *Notes on Glossamia and Related Genera of Cardinal Fishes*. Copeia, May 24, 1917, pp. 46, 47.

DAVID STARR JORDAN.

Nectamia Jordan, 46; orthotype *APOGON FUSCUS* Quoy & Gaimard.

Xystramia Jordan, 46; orthotype *GLOSSAMIA PANDIONIS* G. & B.

Zoramia Jordan, 46; orthotype *APOGON GRAEFFEI* Gthr.

2380. JORDAN (1917). *The Genera of Fishes, etc.* Stanford Univ. Publ., University Series, June 1, 1917.

DAVID STARR JORDAN.

Thrissocles Jordan, 151; orthotype *CLUPEA SETIROSTRIS* Broussonet. Substitute for *THRYSSEA* Cuv., preoccupied by *THRISSEA* Raf.

2381. JORDAN (1917). *Changes in names of American Fishes*. Copeia, Oct. 4, 1917.

DAVID STARR JORDAN.

Stenesthes Jordan, 87; orthotype *SPARUS CHRYSOPS* L. = *S. ARGYROPS* L. Replaces *STENOTOMUS* Gill, regarded as preoccupied by *STENOTOMA*.

Xantocles Jordan, 88 (Oct. 4, 1917); orthotype *ZANIOLEPIS FRENATUS* Eigenmann.

Thoburnia Jordan & Snyder, 88 (Oct. 4, 1917); orthotype *CATOSTOMUS RHOETHÆCUS* Thoburn.

2382. JORDAN & HUBBS (1917). *Notes on a Collection of Fishes from Port Said, Egypt*. Ann. Carneg. Mus., XI, 461-468.

DAVID STARR JORDAN; CARL LEAVITT HUBBS.

Glaucus (Klein) Jordan & Hubbs, 463; orthotype *SCOMBER GLAUCUS* L. Same as *CÆSIOMORUS* Lac. and *HYPODIS* Raf.

Dacymba Jordan & Hubbs, 464; orthotype *PRISTIPOMA BENNETTI* Lowe.

2383. NICHOLS & GRISCOM (1917). *Fresh-Water Fishes of the Congo Basin, obtained by the American Congo Expedition, 1909-1915*. Bull. Am. Mus. Nat. Hist., XXXVII.

JOHN TREADWELL NICHOLS; LUDLOW GRISCOM.

Microstomatichthyoborus Nichols & Griscom, 685; orthotype *M. BASHFORDDEANI* Nichols & Griscom. It is to be hoped that no one will attempt to break this record as to length of generic name.

Amarginops Nichols & Griscom, 713; orthotype *A. PLATUS* Nichols & Griscom.

Acanthocleithron Nichols & Griscom, 720; orthotype *A. CHAPINI* Nichols & Griscom.

Gnathobagrus Nichols & Griscom, 711; orthotype *G. DEPRESSUS* Nichols & Griscom.

2384. REGAN (1917). *A Revision of the Clupeoid Fishes of the Genus Pellonula and of Related Genera in the Rivers of Africa*. Ann. Mag. Nat. Hist., 1917, 198-207.

CHARLES TATE REGAN.

- Pœcilothrissa* Regan, 201; orthotype *P. CONGICA* Regan.
Potamothrissa Regan, 203; orthotype *PELLONULA OBTUSIROSTRIS* Boulenger.
Cynothrissa Regan, 203; orthotype *C. MENTO* Regan.
Stolothrissa Regan, 206; orthotype *S. TANGANICÆ* Regan.
Limnothrissa Regan, 207; orthotype *PELLONULA MICRODON* Boulenger.

2385. SEALE (1917). *New Species of Apodal Fishes*. Bull. Mus. Comp. Zool., LXI.
 ALVIN SEALE.

- Garmannichthys* Seale, 80; orthotype *G. DENTATUS* Seale.

2386. SNYDER (1917). *The Fishes of the Lahontan System of Nevada and Northwestern California*. Bull. Bur. Fisheries Washington, XXXV (Sept. 28, 1917).
 JOHN OTTERBEIN SNYDER.

- Leucidius* Snyder, 64; orthotype *L. PECTINIFER* Snyder.

- 2387-2388. TANAKA (1917). *Figures and Descriptions of the Fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, and Southern Sakhalin*. (Issued in many parts. 1915 to 1918.)

SHIGEHO TANAKA.

- Rosanthias* Tanaka, 198; orthotype *R. AMENUS* Tanaka. (In Japanese, July 15, 1917; English version, p. 503, Sept. 28, 1918.)

- Cyprinocirrhites* Tanaka, 368; orthotype *C. UI* Tanaka (Japanese, Sept. 15, 1917; English version, p. 507, Sept. 28, 1918).

1918.

2389. ANNANDALE (1918). *Fish and Fisheries of the Inlé Lake*. Rec. Ind. Mus., XIV, 33-64.

NELSON ANNANDALE.

- Chaudhuria* Annandale, 33-64; orthotype *C. CAUDATA* Annandale. (A *MASTACEMBELUS* without spines (*vide* Regan, note on *CHAUDHURIA*. Ann. Mag. Nat. Hist., 198, Feb., 1919.)

2390. EIGENMANN (1918). (*South American Fishes*). Proc. Am. Philos. Soc., LVI, Jan., 1918.

CARL H. EIGENMANN.

- Scleronema* Eigenmann, 691; orthotype *S. OPERCULATUM* Eigenmann.

- Branchoica* Eigenmann, 702; orthotype *B. BERTONII* Eigenmann.

2391. EIGENMANN (1918). *The Pygidiidae, a Family of South American Catfishes*. Ann. Carneg. Mus., VII, Sept., 1918, 259-369.

CARL H. EIGENMANN.

- Urinophilus* Eigenmann, 359; logotype (indicated in Science, 1920, 441) *VANDELLIA SANGUINEA* Eigenmann.

2392. HUBBS (1918). *A Revision of the Viviparous Perches*. Proc. Biol. Soc. Washington, May 16, 1918.

CARL LEAVITT HUBBS.

Tocichthys Hubbs, 12; orthotype *HYPERPROSOPON AGASSIZI* Gill.

Amphigonopterus Hubbs, 13; orthotype *ABEONA AURORA* J. & G.

2393. HUBBS (1918). *Colpichthys, Thyrinops, and Austromeniida, New Genera of Atherinoid Fishes from the New World*. Proc. Ac. Nat. Sci. Phila. for 1917 (1918).

CARL LEAVITT HUBBS.

Colpichthys Hubbs, 305; orthotype *ATHERINOPS REGIS* Jenkins & Evermann.

Thyrinops Hubbs, 306; orthotype *ATHERINICHTHYS PACHYLEPIS* Gthr.

Austromeniida Hubbs, 307; orthotype *BASILICHTHYS REGILLUS* Abbott. Replaces *BASILICHTHYS* of Abbott, not of Girard.

2394. HUBBS (1918). *Supplementary Notes on Flounders from Japan, with Remarks on the Species of Hippoglossoides*. Ann. Zool Japonensis, IX, pt. 4, 1918, pp. 369-376.

CARL LEAVITT HUBBS.

Tanakius Hubbs, 370; orthotype *MICROSTOMUS KITAHARÆ* Jordan & Starks. (Not *TANAKIA* Jordan & Metz.)

2395. McCULLOCH & WAITE (1918). *Records of the South Australian Museum*.

ALLAN RIVERSTON McCULLOCH; EDGAR RAVENSWOOD WAITE.

Helcogramma McCulloch & Waite, 51; orthotype *H. DECURRENS* McCulloch & Waite.

Trianectes McCulloch & Waite, 53; orthotype *T. BUCEPHALUS* McCulloch & Waite.

Echinophryne McCulloch & Waite, 86; orthotype *E. CRASSISPINA* McCulloch & Waite.

Trichophryne McCulloch & Waite, 68; orthotype *ANTENNARIUS MITCHELLI* Morton.

2396. OGILBY (1918). Ann. Queenslnd Mus., VI.

JAMES DOUGLAS OGILBY.

Acanthagonia Ogilby, 45; orthotype *A. POWERI* Ogilby.

2397. RIBEIRO (1918). *Historia Natural. Zoologia: Cichlidae*. Comm. Linhas Telegr. de Matto Grosso ao Amazonas.

ALIPIO DE MIRANDA RIBEIRO.

Nannacara Ribeiro, 14; orthotype *ACARA DORSIGERA* Heckel.

Pseudopercis Ribeiro, 184; orthotype *P. NUMIDA* Ribeiro.

2398. RIBEIRO (1918). *Dezsetes especies de peixes Brasileiros*. Museu Paulista.

ALIPIO DE MIRANDA RIBEIRO.

Pleurophysus Ribeiro, 8; orthotype *P. HYDROSTATICUS* Ribeiro.

Tannayia Ribeiro, 14; orthotype *T. MARGINATA* Ribeiro.

Ceratocheilus Ribeiro, 16; orthotype *C. OSTEOMYSTAX* Ribeiro.

2399. RIBEIRO (1918). *Commerc. Geogr. Geol. Soc. Saõ Paulo*.

ALIPIO DE MIRANDA RIBEIRO.

Typhlobagrus Ribeiro, 3; orthotype *T. KRONEI* Ribeiro.

2400. RIBEIRO (1918). *Lista dos peixes Brasileiros do Museu Paulista*.

ALIPIO DE MIRANDA RIBEIRO.

Paragonus Ribeiro, 3; orthotype *P. SERTORII* Ribeiro. Name twice preoccupied: Gill, Guichenot; replaced by *RIBEIROA* Jordan, new name, given in honor of the excellent Brazilian naturalist who made this form known.

Gymnogeophagus Ribeiro, 6; orthotype *G. CYANOPTERUS* Ribeiro.
Decapogon Ribeiro; orthotype *D. UROSTRIATUM* Ribeiro.

2401. RIBEIRO (1918). *Dous generos e tres especies novas de peixes Brasileiros*, . . . Museu Paulista.

ALÍPIO DE MIRANDA RIBEIRO.

Homodietus (Ihering) Ribeiro, 23; orthotype *H. PAULENSIS* Rudolph. Same as *PSEUDOSTEGOPHILUS* Ihering, on page 22 of the same paper.

Scleromystax Ribeiro; orthotype *S. KRONEI* Ribeiro, not of Ogilby.

2402. TANAKA (1918). *Nihon San Gyorui—No Juissshu Shin (Eleven New Species of Japanese Fishes)*. Journ. Zool. Studies, Imperial University, Tokyo, XXXIX, No. 13. (In Japanese only.)

SHIGEHO TANAKA.

Vegetichthys Tanaka, 7; orthotype *V. TUMIDUS* Tanaka. (LUTIANIDÆ.)

Sebastea Tanaka, 10; orthotype *S. LITTORALIS* Tanaka (SCORPENIDÆ.)

2403. TANAKA (1918). *Nihon San Gyorui—No Roku Shin (Six New Species of Japanese Fishes)*. Journ. Zool. Studies, Imperial University, Tokyo, XXIX, No. 345. (In Japanese only.)

SHIGEHO TANAKA.

Mustelichthys Tanaka, 301; orthotype *M. UT* Tanaka (SERRANIDÆ.)

2404. TANAKA (1918). *Figures and Descriptions of the Fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea and Southern Sakhalin*. (In English as well as in Japanese.)

SHIGEHO TANAKA.

Selenanthias Tanaka, 516; orthotype *S. ANALIS* Tanaka (Dec. 28, 1918).

Leptanthias Tanaka, 525; orthotype *L. KASHIWE* Tanaka (Dec. 28, 1918).

2405. WOODWARD (1918). *The Fossil Fishes of the English Wealden and Purbeck Formations, Part 2*. Paleontological Society, February, 1918.

ARTHUR SMITH WOODWARD.

Eomesodon Woodward, 56; orthotype *MESODON BARNESI* Woodw. (fossil).

Enchelyolepis Woodward, 80; orthotype *MACROSEMIUS ANDREWSI* Woodw. (Fossil).

2406. WOODWARD (1918). *On Two New Elasmobranchs . . . from the Upper Jurassic Lithographic Stone of Bavaria*. Proc. Zool. Soc. London, 231-235, June 11, 1918.

ARTHUR SMITH WOODWARD.

Protospinax Woodward, 233; orthotype *P. ANNECTANS* Woodw.

1919.

2407. COCKERELL (1919). *Some American Cretaceous Fish Scales, with Notes on the Classification and Distribution of Cretaceous Fishes*. Bull. U. S. Geol. Surv. for 1918.

THEODORE DRU ALLISON COCKERELL.

Helmintholepis Cockerell, 176; orthotype *H. VERMICULATUS* Cockerell (fossil ELOPIDÆ.)

Chicolepis Cockerell, 176; orthotype *C. PUNCTATUS* Cockerell (fossil PTEROTHRISIDÆ.)

- Leucichthyoys** Cockerell, 180; orthotype *L. VAGANS* Cockerell (fossil SALMONIDÆ).
- Erythrinolepis** Cockerell, 182; orthotype *E. MOWRIENSIS* Cockerell (fossil ERYTHRINOLEPIDÆ).
- Halecodon** Cockerell, 183; orthotype *H. DENTICULATUS* Cockerell (fossil ENCHODONTIDÆ).
- Gonorhynchops** Cockerell, 183; orthotype *G. WOODWARDI* Cockerell (fossil GONORHYNCHIDÆ: English Chalk).
- Centrarchites** Cockerell, 188; orthotype *C. COLORADENSIS* Cockerell (fossil EUCENTRARCHIDÆ: basal Eocene).
- Benthosphyraena** Cockerell, 172; orthotype *ALEPOCEPHALUS MACROPTERUS* Vaillant. This name, noted in passing by Cockerell, was found by him on specimens in the United States National Museum. It was doubtless a manuscript name of Goode & Bean, never published by them, or possibly of Gill. As the genus seems to be valid, the name is accepted by Cockerell and may date from his reference to it, which reads as follows: "BENTHOSPHYRÆNA MACROPTERA, also referred to the ALEPOCEPHALIDÆ, has small round scales wholly unlike those of ALEPOCEPHALUS." That BENTHOSPHYRÆNA was an unpublished name was not known to Cockerell when he examined the scales of its type species.
2408. EIGENMANN (1919). *Trogloglanis pattersoni*, a New Blind Fish from San Antonio, Texas. Proc. Am. Philos. Soc., LVIII, 397-400.
CARL H. EIGENMANN.
- Trogloglanis** Eigenmann, 397; orthotype *T. PATTERSONI* Eigenmann (a blind cave representative of the genus RABIDA).
2409. EIGENMANN & EIGENMANN (1919). *Steindachneridion*. Science, November, 1919.
CARL H. EIGENMANN; ROSA SMITH EIGENMANN.
- Steindachneridion** Eigenmann & Eigenmann; logotype *STEINDACHNERIA AMBLYURA* Eigenmann & Eigenmann (SILURIDÆ). Substitute for *STEINDACHNERIA* Eigenmann & Eigenmann, 1888, preoccupied in MACROURIDÆ.
2410. HUSSAKOF & BRYANT (1919). *Catalog of the Fossil Fishes in the Museum of the Buffalo Society of Natural Sciences*. Bull. Buffalo Soc. Nat. Sci., Vol. XII.
LOUIS HUSSAKOF; WILLIAM L. BRYANT.
- Perissognathus** Hussakof & Bryant, 81; orthotype *P. ADUNCUS* (based on a mandible) (fossil ARTHRODIRA, Upper Devonian, New York).
- Machærognathus** Hussakof & Bryant, 83; orthotype *M. WOODWARDI* (fossil mandible ARTHRODIRA, Upper Devonian, New York).
- Copanognathus** Hussakof & Bryant, 84; orthotype *C. CRASSUS* (fossil mandible ARTHRODIRA, Upper Devonian, New York).
- Deinodus** Hussakof & Bryant, 123; orthotype *D. BENNETTI* (fossil dental plate PTYCTODONTIDÆ, Upper Devonian, New York).
- Acmoniodus** Hussakof & Bryant, 151; orthotype *A. CLARKEI* (fossil dental plate ELASMOBRANCHII, Upper Devonian, New York).
- Atopacanthus** Hussakof & Bryant, 157; orthotype *A. DENTATUS* (fossil spine ICHTHYODORULITES, Upper Devonian, New York).
2411. JORDAN (1919). *On Certain Genera of Atherine Fishes*. Proc. U. S. Nat. Mus., LV, 309-311.
DAVID STARR JORDAN.
- Hubbesia** Jordan, 310; orthotype *MENIDIA GILBERTI* Jordan & Bollman.

2412. JORDAN (1919). *Note on Gistel's Genera of Fishes*. Proc. Ac. Nat. Sci. Phila., April 10, 1919, pp. 335-340.

DAVID STARR JORDAN.

Urocles Jordan, 338, 343; orthotype *M. LEPIDOTUS* Ag. (fossil). Substitute for *MEGALURUS* Ag. and *SYNERGUS* Gistel, both names being preoccupied.

2413. JORDAN (1919). *New Genera of Fishes*. Proc. Ac. Nat. Sci. Phila., April 10, 1919, pp. 341-344.

DAVID STARR JORDAN.

Aoria Jordan, 341; orthotype *BAGRUS LAMARII* Cuv. & Val. Substitute for *MACRONES* Duméril, preoccupied (Newman, 1841, a genus of Beetles).

Azurella Jordan, 341; orthotype *POMACENTRUS BAIRDI* Gill.

Cotylichthys Jordan, 341; orthotype *COTYLIS FIMBRIATA* M. & T. Same as *COTYLIS* Gthr., not of Müller & Troschel, whose original type is a species of *GOBIESOX* Lac.

Extrarius Jordan, 341; orthotype *HYBOPSIS TETRANEMUS* Gilbert.

Eperlanio Jordan, 341; orthotype *OSMERUS ALBATROSSIS* J. & G.

Erythrocles Jordan, 341; orthotype *ERYTHRICHTHYS SCHLEGELI* Blkr. Substitute for *ERYTHRICHTHYS* T. & S., preoccupied by *ERYTHRICHTHYS* Bon.

Nautopædium Jordan, 342; orthotype *PORICHTHYS PLECTRODON* J. & G. = *BATRACHUS POROSISSIMUS* Cuv. & Val.

Irillion* Jordan, 342; orthotype *COREGONUS OREGONIUS* Jordan & Snyder.

Oshimia Jordan, 342; orthotype *MICRACANTHUS MARCHEI* Sauvage. Name a substitute for *MICRACANTHUS* Sauvage, 1878, preoccupied by *MICROCANTHUS* Sw. Named for Masamitsu Oshima, of the Bureau of Scientific Research of Formosa.

Rheocles Jordan & Hubbs, 343; orthotype *ELECTRIS SIKORÆ* Sauvage.

Syletor Jordan, 343; orthotype *PISODONOPHIS CRUENTIFER* G. & B.

Unagius Jordan, 343; orthotype *CRYPTOPHTHALMUS ROBUSTUS* Franz. Substitute for *CRYPTOPHTHALMUS* Franz, preoccupied.

Verater Jordan, 343; orthotype *OLIGOPUS ATER* Risso. Substitute for *PTERIDIUM* Filippi & Verany, preoccupied by *PTERIDIUM* Scopoli.

Pnictes Jordan, 343; orthotype *ACHIROPSIS ASPHYXIATUS* Jordan & Goss. This genus differs from all other soles in having the gill opening on the right side completely closed.

Errex Jordan, 343; orthotype *GLYPTOCEPHALUS ZACHIRUS* Lockington.

Ainia Jordan, 344; orthotype *CALLOPTERUS AGASSIZI* Thiollière (fossil). Name a substitute for *CALLOPTERUS*, preoccupied in beetles; name from the locality Ain, in France.

Raiamas Jordan; orthotype *CYPRINUS BOLA* Ham. "Rajah Mas" of the anglers in India. Replaces *BOLA* Gthr., preoccupied.

Tarsistes Jordan, 344; orthotype *RHYNCHOBATIS* Philippi, 1858. No specific name. Generic name preoccupied as *RHYNCHOBATUS*. Species named *TARSISTES PHILIPPI* Jordan.

Vigil Jordan, 344; orthotype *PLEUROLEPIS PELLUCIDUS* Ag. A substitute for *PLEUROLEPIS* Ag., preoccupied in fossil fishes.

Orqueta Jordan, 344; orthotype *MICROPTERYX (MICROPUS) POLYCENTRUS* Kner. A substitute for *MICROPUS* Kner, four times preoccupied.

* "The merry wild Irillion rejoicing from fields of snow" (Dunsaney).

2414. JORDAN (1919). *Fossil Fishes of Southern California, I. Fossil Fishes of the Soledad Deposits* . . . pp. 1-12. Leland Stanford Junior University Publications, University Series, September 18, 1919.

DAVID STARR JORDAN.

Ganolytes Jordan, 6; orthotype *G. CAMEO* Jordan (fossil).

Rogenites Jordan, 8; orthotype *ROGENIO BOWERSI* Jordan (fossil).

Rhomurus Jordan, 9; orthotype *R. FULCRATUS* Jordan (fossil).

Auxides Jordan, 10; orthotype *THYNNUS PROPTERYGIUS* Ag. (fossil).

Bulbiceps Jordan, 12; orthotype *B. RANINUS* Jordan (fossil).

Eoperca Jordan, 12; orthotype *MIOPLOSUS MULTIDENTATUS* Cope (fossil). An Eocene ally of *PERCA*, differing from *MIOPLOSUS* in the presence of 12 dorsal spines and in the stronger and more numerous retrorse serrations of the preopercle.

2415. JORDAN (1919). *Description of a New Fossil Fish from Japan*. Proc. Cal. Ac. Sci, IX, 271-272. October 22, 1919.

DAVID STARR JORDAN.

Iquius Jordan, 271; orthotype *I. NIPPONICUS* Jordan (fossil CLUPEID).

2416. JORDAN (1919). *The Genera of Fishes, Part III*. Leland Stanford Junior University Publications, University Series, October 25, 1919.

DAVID STARR JORDAN.

Laides Jordan, 293; orthotype *PANGASIVS HEXANEMA* Blkr. Substitute for *LAIS* Blkr., 1860, preoccupied by *LAIS* Gistel, VIII, 1849, a tunicate, this being a substitute name for *CYNTHIA*, preoccupied.

2417. JORDAN (1919). *On Elephenor, a New Genus of Fishes from Japan*. Ann. Carneg. Museum, XII, December 16, 1919, pp. 329-343.

DAVID STARR JORDAN.

Elephenor Jordan, 328; orthotype *PTERACLIS MACROPUS* Bellotti.

2418. JORDAN & GILBERT (J. Z.) (1919). *Fossil Fishes of Southern California, II. Fossil Fishes of the (Miocene) Monterey Formations of Southern California*. Leland Stanford Junior University Publications, University Series, September 18, 1919, pp. 13-60.

DAVID STARR JORDAN; JAMES ZACCHEUS GILBERT.

Xyne Jordan & Gilbert (J. Z.), 25; orthotype *X. GREX* J. & G. (fossil CLUPEIDÆ).

Ellimmichthys Jordan, 27; orthotype *DIPLOMYSTES LONGICOSTATUS* Cope (fossil CLUPEID, Eocene, Brazil).

Alisea Jordan & Gilbert (J. Z.), 26; orthotype *A. GRANDIS* J. & G. (fossil CLUPEID).

Smithites Jordan & Gilbert (J. Z.), 30; orthotype *S. ELEGANS* J. & G. (fossil DUS-SUMIERIID).

Quæsita Jordan & Gilbert (J. Z.), 30; orthotype *Q. QUISQUILIA* J. & G. (fossil DUS-SUMIERIID).

Azalois Jordan & Gilbert (J. Z.), 32; orthotype *A. ANGELENSIS* J. & G. (fossil DUS-SUMIERIID).

Lygisma Jordan & Gilbert (J. Z.), 33; orthotype *L. TENAX* J. & G. (fossil DUS-SUMIERIID).

Forfex Jordan, 36; orthotype *F. HYPURALIS* Jordan (fossil SCOMBERESOCID).

Zanteclites Jordan & Gilbert (J. Z.), 39; orthotype *Z. HUBBSI* J. & G. (fossil ATHERINID).

- Eritima** Jordan & Gilbert (J. Z.), 40; orthotype E. EVIDES J. & G. (fossil APOGONID).
- Tunita** Jordan & Gilbert (J. Z.), 42; orthotype T. OCTAVIA J. & G. (fossil mackerel).
- Ozymandias** Jordan, 43; orthotype O. GILBERTI Jordan (fossil of unknown family, probably SCOMBRID).
- Lophar** Jordan & Gilbert (J. Z.), 44; orthotype L. MIOCENUS J. & G. (fossil POMATOMID).
- Eclipes** Jordan & Gilbert (J. Z.), 47; orthotype E. VETERNUS J. & G. (fossil MERLUCHID). Same as MERRIAMINA Jordan & J. Z. Gilbert.
- Lompoquia** Jordan & Gilbert (J. Z.), 49; orthotype L. RETROPES J. & G. (fossil SCIÆNOID).
- Xyrinius** Jordan & Gilbert (J. Z.), 50; orthotype X. HOUSHI J. & G. (fossil CLUPEID, mistaken for a LABROID).
- Sebastavus** Jordan & Gilbert (J. Z.), 50; orthotype S. VERTEBRALIS J. & G. (fossil SCORPÆNOID).
- Rhomarchus** Jordan & Gilbert (J. Z.), 51; orthotype R. ENSIGER J. & G. (fossil SCORPÆNOID).
- Eoscorpis** Jordan & Gilbert (J. Z.), 53; orthotype E. PRIMÆVUS J. & G. (fossil of uncertain relation, probably COTTOID).
- Hayia** Jordan & Gilbert (J. Z.), 55; orthotype H. DAULICA J. & G. (fossil of uncertain relations, probably COTTOID).
- Merriamina** Jordan & Gilbert (J. Z.), 56; orthotype M. ECTENES J. & G. (fossil MERLUCHID). A synonym of ECLIPES Jordan & J. Z. Gilbert.
- Diatomœca** Jordan & Gilbert (J. Z.), 58; orthotype D. ZATIMA Jordan & Gilbert (fossil closely allied to LAMPRIS).
- Emmachære** Jordan & Gilbert (J. Z.), 59; orthotype E. RHACHITES J. & G. (fossil SERRANID).
2419. JORDAN & GILBERT (J. Z.), (1919). *Fossil Fishes of Southern California, III. Fossil Fishes of the Pliocene Formations . . .* Leland Stanford Junior University Publ., University Series, Sept. 18, 1919, pp. 61-64.
DAVID STARR JORDAN; JAMES ZACCHEUS GILBERT.
- Ectasis** Jordan & Gilbert (J. Z.), 62; orthotype E. PRORIGER J. & G. (fossil, perhaps ELOPID).
- Arnoldina** Jordan & Gilbert (J. Z.), 63; orthotype A. INHISTIA J. & G. (fossil GADOID).
2420. JORDAN & HUBBS (1919). *Studies in Ichthyology: A Monographic Review of the Family of Atherinidæ or Silversides.* Leland Stanford Junior University Publications, Dec. 18, 1919.
DAVID STARR JORDAN; CARL LEAVITT HUBBS.
- Archomenidia** Jordan & Hubbs, 54; type ATHERINICHTHYS SALLEI Regan.
2421. OGILBY (1919). (*Tropidocaulus.*)
JAMES DOUGLAS OGILBY.
- Tropidocaulus** Ogilby; orthotype BELONE PLATYURA Cuv. & Val. Substitute for EURYCAULUS Ogilby, preoccupied.
2422. NICHOLS (1919). *Um novo genero do Cascudo da familia Loricariidæ (with English translation).* Revista do Mus. Paulista, XI.
JOHN TREADWELL NICHOLS.
- Pseudotocinclus** Nichols, 9; orthotype P. INTERMEDIUS Nichols.

2423. OSHIMA (1919). *Contributions to the Study of the Fresh-Water Fishes of the Island of Formosa*. Ann. Carneg. Museum, Pittsburgh, XII, Dec. 16, 1919, pp. 169-328.

MASAMITSU OSHIMA (1884-).

- Formosania** Oshima, 194; orthotype F. GILBERTI Oshima.
Acrossochilus Oshima, 206; orthotype GYMNSTOMUS FORMOSANUS Regan.
Scaphesthes Oshima, 208; orthotype S. TAMUSIUENSIS Oshima.
Spinibarbus Oshima, 217; orthotype S. HOLLANDI Oshima.
Phoxiscus Oshima, 225; orthotype P. KIKUCHII Oshima.
Aristichthys Oshima, 246; orthotype LEUCISCUS NOBILIS (Gray), Richardson.
Cultricus Oshima, 252; orthotype CULTER LEUCISCULUS Kner, not Richardson; = HEMICULTER KNERI Kreyenberg.

2424. TANAKA (1919). *Figures and Descriptions of the Fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea and Southern Sakhalin*. XXIX.

SHIGEHO TANAKA.

- Selenanthias** Tanaka, 516; orthotype S. ANALIS Tanaka.
Leptanthias Tanaka, 525; orthotype L. KASHIWA Tanaka.

1920.

2425. COCKERELL (1920). (*Characilepis*). Proc. U. S. Nat. Mus., 1920 (in press).

THEODORE DRU ALLISON COCKERELL.

- Characilepis** Cockerell; orthotype C. TRIPARTITUS Cockerell (fossil scales, Miocene of Peru).

2426. GILBERT & HUBBS (1920). *The Macrouroid Fishes of the Philippine Islands and the East Indies*. Bull. U. S. Bureau of Fisheries, 1919 (in press; not yet published).

CHARLES HENRY GILBERT; CARL LEAVITT HUBBS.

- Quincuncia** Gilbert & Hubbs; orthotype CÆLORHYNCHUS ARGENTATUS Smith & Radcliffe.

Oxygadus Gilbert & Hubbs; orthotype MACRURUS PARALLELUS Gthr.

Hymenogadus Gilbert & Hubbs; orthotype HYMENOCEPHALUS GRACILIS Hubbs.

Papyrocephalus Gilbert & Hubbs; orthotype HYMENOCEPHALUS ATERRIMUS Gilbert.

Ventrifossa Gilbert & Hubbs; orthotype CORYPLÆNOIDES GARMANI J. & G. (Japan).

Atherodon Gilbert & Hubbs; orthotype OPTONURUS ATHERODON Gilbert & Cramer.

Lucigadella Gilbert & Hubbs; orthotype MACRURUS NIGROMARGINATUS Smith & Radcliffe.

Lucigadus Gilbert & Hubbs; orthotype MACRURUS LUCIFER Smith & Radcliffe.

Hyostomus Gilbert & Hubbs; orthotype MACRURUS HYOSTOMUS Smith & Radcliffe.

2427. JORDAN (1920). *New Genera of Fossil Fishes from Brazil*. Proc. Acad. Nat. Sci. Phila. for 1919 (March 11, 1920), pp. 208-210.

DAVID STARR JORDAN.

Ennelichthys Jordan, 208; orthotype E. DERBYI Jordan (fossil).

Brannerion Jordan, 209; orthotype CALAMOPLEURUS VESTITUS Jordan & Branner (fossil),

Vinctifer Jordan, 210; orthotype BELONOSTOMUS COMPTONI Ag. (fossil).

2428. JORDAN (1920). *The Genera of Fishes, part IV.*

DAVID STARR JORDAN.

- Greeleya** Jordan, 493; orthotype EXIMIA RUBELLIO Greeley. Substitute for EXIMIA Greeley, preoccupied.
- Ribeiroa** Jordan, 564; orthotype PARAGONUS SERTORII Ribeiro; substitute for PARAGONUS Ribeiro, preoccupied.
- Quisque** Jordan, 571; orthotype Q. GILBERTI Jordan (a small herring from the Miocene of Elmodena, California, with very strong serræ on the belly, and the back also armed; body compressed; vertebræ, 32).
- Ganoëssus** Jordan, 571; orthotype GANOLYTES CLEPSYDRA J. & G. (fossil). A large herring, with enameled scales and hour-glass shaped vertebræ, differing from GANOLYTES in the much thinner scales. Vertebræ, 42.
- Scomberessus** Jordan, 571; orthotype SCOMBERESOX ACUTILLUS J. & G. (fossil). Differs from the living genus SCOMBERESOX in the much larger dorsal, of 16 rays.
- Aristoscion** Jordan, 571; orthotype A. EMPREPES Jordan. (A robust fossil SCLENOID, from the Miocene at Lompoc, allied to CYNOSCION, but the anal rays more numerous, 1.15 in number, the dorsal rays about XII — 1.20, and the caudal fin very large. Vertebræ 14 + 10 or 11.)
- Beltion** Jordan, 571; orthotype B. PERONIDES Jordan (fossil). (BELONIDÆ, distinguished from BELONE by needle-like jaws, moderate, even teeth, and larger scales; Miocene, Lompoc, California.)
- Sebatoëssus** Jordan, 571; orthotype S. APOSTATES Jordan (fossil). SCORPÆNIDÆ, near SEBASTODES, but the interneurals all slender and not dilated; fin spines moderate, the second anal spine not enlarged; vertebræ, 24; Miocene, Lompoc, California.
- Sebastinus** Jordan, 571; orthotype RIXATOR INEZLE J. & G. (fossil). Miocene SCORPÆNIDÆ; allied to SEBASTODES Gill, but with undilated interneural spines, and the second anal spine very elongate.

2429. JORDAN & GILBERT (1920). *The Fossil Fishes of the Diatom Beds of Lompoc, California.* Leland Stanford Junior University Publications, February, 1920.

DAVID STARR JORDAN; JAMES ZACCHEUS GILBERT.

- Turio** Jordan & Gilbert, 15; orthotype T. WILBURI J. & G. (fossil SCOMBRID).
- Thyrsocles** Jordan & Gilbert, 14, 19; orthotype THYRSITES KRIEGERI J. & G. (fossil SCOMBRID).
- Thyrision** Jordan, 17; orthotype T. VELOX Jordan (fossil SCOMBRID). A synonym of THYRSOCLES J. & G.
- Zaphleges** Jordan, 23; orthotype Z. LONGURIO Jordan (fossil SCOMBRID).
- Ocystias** Jordan, 18; orthotype O. SAGITTA Jordan (fossil SCOMBRID).
- Zelosis** Jordan & Gilbert, 24; orthotype CLUPEA HADLEYI J. & G. (fossil, perhaps ALEPOCEPHALID).
- Aræosteus** Jordan & Gilbert, 25; orthotype A. ROTH I. & G. (fossil, apparently ZAPRORID).
- Rhythmias** Jordan & Gilbert, 27; orthotype R. STARRII J. & G. (fossil SPARID).
- Plectrites** Jordan, 28; orthotype P. CLASSENI Jordan (fossil SPARID).
- Lompochites** Jordan, 29; orthotype L. HOPKINSI Jordan (fossil, apparently CARANGOID).
- Rixator** Jordan & Gilbert, 31; orthotype R. PORTEOUSI J. & G. (fossil SCORPÆNID).
- Zororhombus** Jordan, 39; orthotype Z. VELIGER Jordan (fossil PLEURONECTID).

Atkinsonella Jordan, 41; orthotype *A. STRIGILIS* Jordan (fossil of uncertain relationship, apparently SPARID).

2431. OSHIMA (1920). *Notes on Fresh-Water Fishes of Formosa, with Descriptions of New Genera and Species*. Proc. Ac. Nat. Sci. Phila., 1920 (July 6).

MASAMITSU OSHIMA.

Lissocheilichthys Oshima, 124; orthotype *L. MATSUDAI* Oshima.

Scaphiodontella Oshima, 125; orthotype *S. ALTICORPUS* Oshima.

Leucisculus Oshima, 128; orthotype *L. FUSCUS* Oshima.

Rasborinus Oshima, 130; orthotype *R. TAKAKAI* Oshima.

2432. REGAN (1920). *The Classification of the Fishes of the Family Cichlidae, I. The Tanganyika Genera*. Ann. Mag. Nat. Hist., V, January 1920.

CHARLES TATE REGAN.

Tylochromis Regan, 37; orthotype *PELMATOCHROMIS JENTINKI* Steind.

Heterotilapia Regan, 38; orthotype *TILAPIA BUETTIKOFERI* Boulenger.

Neotilapia Regan, 38; orthotype *CHROMIS TANGANICÆ* Gthr.

Otopharynx Regan, 38; orthotype *TILAPIA AUROMARGINATA* Boulenger.

Limnotilapia Regan, 39; orthotype *TILAPIA DARDENNII* Boulenger.

Cyathopharynx Regan, 42; orthotype *TILAPIA GRANDOCULIS* Boulenger.

Limnochromis Regan, 43; orthotype *PELMATOCHROMIS AURITUS* Boulenger.

Cyphotilapia Regan, 43; orthotype *PELMATOCHROMIS FRONTOSUS* Boulenger.

Lipochromis Regan, 45; orthotype *PELMATOCHROMIS OBESUS* Boulenger.

Neochromis Regan, 45; orthotype *TILAPIA SIMOTES* Boulenger.

Cnestrostoma Regan, 45; orthotype *PARATILAPIA POLYODON* Boulenger.

Mylochromis Regan, 45; orthotype *TILAPIA LATERISTRIGA* Gthr.

Sargochromis Regan, 45; orthotype *PARATILAPIA CODRINGTONI* Boulenger.

Labrochromis Regan, 45; orthotype *TILAPIA PALLIDA* Boulenger.

Serranochromis Regan, 45; orthotype *CHROMYS THUNBERGI* Castelnau.

Clinodon Regan, 45; orthotype *HEMITILAPIA BAYONI* Boulenger.

Callochromis Regan, 46; orthotype *PELMATOCHROMIS MACROPS* Boulenger.

Leptochromis Regan, 47; orthotype *PARATILAPIA CALLIURA* Boulenger.

Aulonocranus Regan, 47; orthotype *PARATILAPIA DEWINDTI* Boulenger.

Hemibates Regan, 49; orthotype *PARATILAPIA STENOSOMA* Boulenger.

2433. NICHOLS (1920). *A Contribution to the Ichthyology of Bermuda*. Proc. Biol. Soc. Wash., XXXIII, July 24, 1920, 59-64.

JOHN TREADWELL NICHOLS.

Bermudichthys Nichols, 62; orthotype *B. SUBFURCATUS* Nichols.

ADDITIONS AND CORRECTIONS

1817.

91. CUVIER (1817). *Règne Animal*. Ed. 1.

Myliobatis (Duméril) Cuvier, 137; logotype RAJA AQUILA L. As originally proposed MYLIOBATIS Duméril contained the same species as AËTOBATUS of Blainville (1916). A different type was assigned to the two by Müller & Henle (1838), who adopted both names, assigning an unwonted type to Blainville's genus. In strictness, MYLIOBATIS should be regarded as a synonym of AËTOBATUS and with RAJA AQUILA as the type of both, while RAJA NARINARI should stand as STOASODON Cantor.

1819.

103. RAFINESQUE (1819). *Prodrome*, etc.

Lepomis. The names LEPIDOPOMUS and LEPIOPOMUS have been produced by puristic emendations of this word. Other revisions of Rafinesque's "telescoped" Greek terms were proposed in 1878, as MYXOSTOMA for MOXOSTOMA, HOPLADELUS for OPLADELUS, ICHTHÆLURUS for ICTALURUS, ICHTHYOBUS for ICTIOBUS, PELODICHTHYS for PILODICTIS, etc.

1829.

136B. BANCROFT (1829). *Sea Devil*, etc.

Manta Bancroft, 444; orthotype M. AMERICANA Bancroft = RAJA BIROSTRIS Walbaum.

1831.

146A. CUVIER & VALENCIENNES (1831). *Histoire Naturelle des Poissons*, V^{III}.

Pelamys Cuvier & Valenciennes, 149; orthotype SCOMBER SARDA L. A synonym of SARDA Cuv.

Scorpiis Cuvier & Valenciennes, 503; orthotype S. GEORGIANUS Cuv. & Val.

1837.

217A. MÜLLER & HENLE (1837). *Ueber die Gattungen der Plagiostomen*. Arch. Naturg., III.

JOHANNES MÜLLER; FREDERICH GUSTAV JAKOB HENLE.

Mr. A. R. McCulloch calls my attention to this paper, overlooked by me, in which the names GALEOCERDO, RHYNCHOBATUS, PRISTIOPHORUS, STEGOSTOMA appear.

The name TRYGNORRHINA was first used by Müller & Henle (Mag. Nat. Hist. 2, II, 90) and spelled with the double "r" as above.

Galeocerdo Müller & Henle, 308; orthotype G. ARCTICUS M. & H., not G. TIGRINUS as later given. See p. 192, Genera of Fishes, II.

Page 190, No. 217. The name GYMNURA appears not in the paper quoted, the date of which should be 1838, but in 217A, p. 400.

1838.

217A. MÜLLER & HENLE (1838). Mr. McCulloch informs me that a second article by Müller & Henle, dated Dec. 12, 1837, printed January, 1838, bearing the same title as No. 217 of our series, contains three additional genera:

Pristiurus Müller & Henle, 34; orthotype GALEUS MELASTOMUS Raf. This antedates Bonaparte's use of the same term (1841).

Leptocharias Müller & Henle, 36; orthotype TRLENODON SMITHI Gray.

Carcharodon Müller & Henle, 37; orthotype *C. RONDELETI* M. & H. = *SQUALUS CARCHARIAS* L. According to McCulloch, the name *CARCHARODON* is not used by Smith. The earliest reference to *CARCHARODON* is apparently that of Müller & Henle (*Mag. Nat. Hist.* 2, II, 1838, 37, January). Those authors saw Smith's specimens (*vide* p. 33) and perhaps heard his paper read at the Zoological Society in September, 1837. They therefore quoted the name as of Smith. But Smith's paper was not published until February 13, 1838, he having read Müller & Henle's paper "about a month previously, in which *CARCHARODON* appeared, and he evidently withdrew it with names he refers to in his paper" (McCulloch, *in lit.*, June 28, 1920).

1844.

316. McCLELLAND (1844). *Apodal Fishes.*

Strophidon McClelland, 187; logotype *MURENA SATHETE* Ham.

1846.

349A. COCCO (1846). *Phanerobranchus*. *Georn. Gab. Lett. Messina Ann.*, V, VIII, 63-64.

ANASTASIO COCCO.

Phanerobranchus Cocco, 63; orthotype *P. KROHNII* Cocco, an undetermined larva; name preoccupied.

1849.

417. SMITH (1849). *Zoology of South Africa.*

Tilapia Smith, pl. 5; haplotype *T. SPARRMANNI* Smith. (Not *CHROMIS NILOTICA* as stated by error on page 244.) The last-named species is referred by Regan to *SAROTHERODON*.

1854.

No. 495, p. 256, should read:

495. BRANDT & LOWE (1854). *Description d'un nouveau genre de poisson de la famille des Murénoïdes*. *Mém. Sav. Étrang. St. Petersburg*, VII, 169-176.

JOHANN FRIEDRICH BRANDT; RICHARD THOMAS LOWE.

Belonopsis Brandt & Lowe, 174, etc.

1855.

533. COSTA ("1855") should be omitted and transferred to 850 (1864), the proper title being as follows:

533A. COSTA (1855). (*Cyrtorhynchus*.) *Cos. Rendic. dell Accad. Pontaniana*, 1855.

ORONZIO GABRIELE COSTA.

Cyrtorhynchus Costa; orthotype *C. LEOPOLDI* Costa, said to be a MYCTOPHID, of uncertain relations; figured by Costa, *Fauna del regno di Napoli*.

1858.

607-612. COSTA (1858). (*Uraleptus*.) This reference should be canceled, according to Mr. Henn. The genus *URALEPTUS* Costa should appear under No. 350, *Fauna del regno di Napoli* (1846, p. 30). GADELLA LOWE (1843) is still earlier.

612. COSTA (1858). *Luspia Casotti, nuovo genere di pesci fossili della calcarea tenera leccese, Napoli*.

ORONZIO GABRIELE COSTA.

Luspia Costa; orthotype *L. CASOTTI* Costa (fossil). An ally of *SERRANUS* Cuv.

1861.

740. GÜNTHER (1861). *Catalogue of Fishes, III.*
Cyttus Günther, 396; orthotype **CAPROS AUSTRALIS** Rich.

1862.

782. GILL (1862). The genera **LEPIDOPSETTA** and **HYPSOPSETTA** date from this paper, page 330, not from 1864.
788. GÜNTHER (1862). *Catalogue, II.*
Atypichthys, 510; orthotype **ATYPUS STRIGATUS** Gthr.; substitute for **ATYPUS** Gthr., preoccupied.
792. **ESTHERIA** JONES (1862) should be omitted, as **ESTHERIA MIDDENDORFI** is not a fish but an Entomostracan, according to A. W. Henn. The name is twice preoccupied.

1863.

- 830A. JOHNSON (1863). *Description of Five New Species of Fish Obtained at Madeira.* Proc. Zool. Soc. London, 36-44.

JAMES YATES JOHNSON

- Neoscopelus** Johnson, 44; orthotype **N. MACROLEPIDOTUS** Johnson.

1864.

850. COSTA (1864). *Palæontologia del regno di Napoli, III.* Atti. Accad. Pontan. Napoli, VIII.

ORONZIO GABRIELE COSTA.

- Cæus** Costa, 65; orthotype **C. LEOPOLDI** Costa (fossil: indeterminate **ELOPIDÆ**). Misprinted **CACUS** by authors.

1865.

892. COSTA (1865), page 336. The name **HETEROLEPIS** Costa occurs in the volume quoted, but in a different paper, *Nuove osservazioni i terreni ad ittioliti delle provincie Napolitane*, etc.

1872.

1060. CASTELNAU (1872). *Ichthyology of Australia.*
Cæsioperca Castelnau, 49; orthotype **SERRANUS RASOR** Rich.
Pseudaphritis Castelnau, 92; orthotype **P. BASSI** Castelnau.

1878.

1234. CLARKE (1878). Read:
Ægeonichthys Clarke, 245; orthotype **A. APPELLII** Clarke.
1243. JORDAN (1878). *Manual of Vertebrates, 2d ed.*
Cristivomer Gill & Jordan, 80; type **SALMO NAMAYCUSH** Walbaum. Here first defined; in No. 1244, the word occurs on page 89 as name only.

1880.

1310. KLUNZINGER (1880). *Müllersche Sammlung.*
Colpognathus Klunzinger, 339; orthotype **PLECTROPOMA DENTEX** Cuv. & Val.

1884.

- 1423A. GIGLIOLI & ISSEL (1884). *Pelagos, Saggi sulla vita e sui prodotti del mare, Genova.*

ENRICO HILLYER GIGLIOLI; RAFFAELE ISSEL.

- Hymenocephalus** Giglioli, 228; orthotype **H. ITALICUS** Giglioli.

1888.

1543. VAILLANT, p. 444.

Neostoma and **Eustomias** should be omitted. Both genera are of Filhol, 1884.

1894.

1689. BEAN, p. 463. Omit CYCLOPSETTA, a genus of Gill, of 1888.

1895.

1720. JORDAN (1895), p. 469. Add:

Garmannia Jordan, 495; orthotype **Gobius paradoxus** Gthr.

1896.

Omit 1755, p. 476; duplicated.

1898

1780. BOULENGER (1898). *Lake Tanganyika*, etc. Add:**Ectodus** Boulenger, 21; logotype **E. descampsi** Boulenger.**Clariallabes** Boulenger (1900); orthotype **C. melas** Boulenger. This generic name, omitted in the Zoological Record, I have failed to locate.

1900.

1848, etc. The name of Jacques Pellegrin should be spelled without the acute accent.

1901.

1883. TRAQUAIR (1901). *Notes*, etc.**Cœlacanthopsis** Traquair, 113; orthotype **C. curta** Traquair (fossil).

1903.

1938. GILCHRIST. **Cyttosoma** should be omitted (see No. 1977).

1904.

1975. FOWLER.

Boulengerina, inserted here by error, should be omitted. Its type is **Dules mato** Lesson. That of SAFOLE (No. 2084) is **Dules tæniurus**.

Omit 1993, p. 510; duplicated.

1905.

2003. BLAKE (1905). *Monograph of the Fauna of the Cornbrash, Pisces*. Pal. Soc. Mon., LIX, 1-100.

J. F. BLAKE.

Macromesodon Blake, 32; orthotype **Gyrodus macropterus** Ag. Substitute for **Mesodon** Wagner, preoccupied. A synonym of **Tyodus** Quenstedt.2018. JORDAN & EVERMANN (1905). *Aquatic Resources*, etc. Add:**Jenkinsiella** Jordan & Evermann, 83; orthotype **Microdonophis macgregori** Evermann.

1913.

Omit 2282, p. 549; duplicated.

1915.

2330. BERG (1915) should be omitted. **Chilogobio** is based on both **C. czerskii** and **C. soldatovi**.

1916.

2367. ROULE.

Barathrites should be omitted. The genus is of Zugmayer (see No. 2222).

1918.

2401. IHERING.

Homodietus Ihering should be canceled. The genus **Homodietus** is of Eigenmann & Ward (see page 522).

INDEX TO PART IV.

- Abalistes, 519
 Abbottina, 505
 Ablennes, 435
 Aboma, 468
 Aborichthys, 547
 Abramites, 518
 Abryois, 499
 Abyssicola, 468
 Abyssocottus, 516
 Acanthagonia, 564
 Acanthalburnus, 558
 Acanthobatis, 436
 Acanthocaulus, 491
 Acanthocephalus, 426
 Acanthochærenus, 428
 Acanthocharax, 543
 Acanthocleithron, 562
 Acanthoclinus, 433
 Acanthognathus, 542
 Acanthogobio, 458
 Acantholiparis, 543
 Acanthonotus, 440
 Acanthopegasus, 556
 Acanthophaclus, 521, 533
 Acanthophoria, 469
 Acanthoplesiops, 545
 Acanthopoma, 455
 Acanthopsetta, 511
 Acanthorhina, 535
 Acanthorutilus, 542
 Acapoëta, 535
 Acarichthys, 543
 Acedia, 442
 Acentronichthys, 445
 Aceratias, 497
 Acestridium, 539
 Acestrocephalus, 502
 Acestrorhamphus, 502
 Acestrorhynchus, 502
 Acestrus, 496
 Acomiodus, 566
 Acomonotus, 475
 Acnodon, 502
 Acondylacanthus, 425
 Aconichthys, 561
 Acrodonchus, 446
 Acrossochilus, 570
 Acropœcilia, 447
 Acrotus, 437
 Acteis, 508
 Actinicola, 508
 Actinophorus, 447
 Acutomentum, 460
 Adioryx, 531
 Adrianichthys, 552
 Ædua, 456
 Æmasia, 494
 Æoliscus, 499
 Æquidens, Eigenmann
 and Bray, 464
 Æquidens, Steindachner,
 558
 Æschrichthys, 424
 Æschynichthys, 526
 Æthaloperca, 507
 Ætheolepis, 470
 Æthoprora, 467
 Ætomylaeus, 528
 Agæonichthys, 575
 Aganacanthus, 430
 Agassizia, 418
 Ageniogarra, 543
 Agmus, 542
 Agnathomyzon, 518
 Agonocottus, 537
 Agriosphyræna, 502
 Ahlia, 458
 Ahyndodontophis, 543
 Ainia, 567
 Ainocottus, 509
 Ainosus, 494
 Alæops, 509
 Albacora, 442
 Albatrossia, 482
 Alcichthys, 509
 Alcidea, 481
 Alcockia, 468
 Aldrovandia, 468
 Alectrias, 482
 Alectridium, 543
 Alepichthys, 418
 Alexeterion, 444
 Alexurus, 468
 Alfaro, 544
 Alisea, 568
 Allabenchelys, 497
 Allector, 503
 Allinectes, 482
 Allochir, 474
 Allocyttus, 554
 Allogobius, 511
 Allolepidotus, 445
 Allurus, 474
 Amarginops, 562
 Amate, 519
 Amblypristis, 440
 Amiiichthys, 435
 Amioïdes, 544
 Amitrichthys, 474
 Ampheces, 499
 Amphigonopterus, 564
 Amphilaphurus, 431
 Amphioxides, 467
 Amphodon, 436
 Amylodon, 466
 Anaglyphus, 417
 Anagramma, 487
 Anarchias, 519
 Anchovia, 468
 Anchoviella, 539
 Ancistrodus, 462
 Ancylostylos, 469
 Andersonia, 488
 Anemura, 507
 Angelichthys, 473
 Anguillavus, 503
 Anisistia, 502
 Anisocentrus, 554
 Anisochætodon, 429
 Anodontacanthus, 415
 Anomalichthys, 424
 Anomalopterus, 436, 444
 Anomædus, 437
 Anopleutropius, 463
 Anoplopterus, 448

- Anostomoides, 529
 Anotopterus, 541
 Anorgia, 542
 Anteliochimæra, 534
 Anyperistieus, 529
 Aoria, 567
 Apareiodon, 559
 Aparrius, 528
 Apateacanthus, 456
 Apateodus, 496
 Apateolepis, 453
 Aphelichthys, 460
 Aphnelepis, 470, 471
 Aphyocheirodon, 556
 Aphyodite, 542
 Apiorhynchus, 477
 Aplostoma, 477
 Apistogramma, 550
 Apistops, 540
 Aplodon, 426
 Apocopodon, 434
 Apodastyanax, 539
 Apodoglanis, 512
 Apogonops, 475
 Apostasis, 455
 Apristurus, 548
 Aprodon, 451
 Apsett, 490
 Apterygocampus, 551
 Aræosteus, 571
 Araias, 509
 Aramaca, 433
 Arbaciosa, 472
 Archæomene, 470
 Archæoniscus, 456
 Archæosemionotus, 445
 Archæotenthis, 436
 Archæotolithus, 537
 Archaulus, 543
 Archicheir, 533
 Archistes, 481
 Archomenidia, 569
 Archoperca, 474
 Arctoscopus, 474
 Areliscus, 490
 Argo, 426
 Argopleura, 547
 Argyripnus, 477
 Argyrocottus, 458
 Arhynchobatis, 534
 Ariomina, 508
 Ariscopus, 499
 Aristichthys, 570
 Aristommata, 462
 Aristoscion, 571
 Aristostomias, 552
 Arnoldina, 569
 Artedidraco, 515
 Artediellus, 433
 Asiphonichthys, 464
 Askoldia, 537
 Aspasma, 498
 Aspasmagaster, 526
 Asperina, 475
 Aspidoras, 524
 Aspiolucius, 521
 Aspiopsis, 546
 Aspistor, 482
 Asprocottus, 516
 Asprotilapia, 492
 Asquamiceps, 541
 Astatheros, 510
 Astatoreochromis, 510
 Astatoliapia, 510
 Asteroplax, 456
 Asterorhombus, 558
 Asterotheca, 556
 Asthenocormus, 470
 Astraspis, 459
 Astrabe, 494
 Astrabodus, 427
 Astrapogon, 523
 Astrolytes, 469
 Astyacinus, 522
 Ateleaspis, 488
 Atelebrachium, 543
 Atelomycterus, 548
 Atherstonia, 449
 Athlennes, 435
 Atherion, 495
 Atherinomorus, 503
 Atherodon, 570
 Atkinsonella, 571
 Atopacanthus, 566
 Atopichthys, 486
 Atopoclinus, 466
 Atyichthys, 575
 Atyposoma, 485
 Auchenilabrus, 496
 Auchenistius, 485
 Auchenoceros, 447
 Auctospina, 460
 Aulastomatomorpha, 449
 Aulonocranus, 572
 Aulorhamphus, 453
 Aurion, 561
 Austroberyx, 540
 Austrocobitis, 487
 Austrogobio, 483
 Austrolabrus, 430
 Austrolycichthys, 550
 Austrolycus, 550
 Austromenidia, 564
 Austrophycis, 477
 Antisthes, 431
 Auxides, 568
 Averruncus, 469
 Avocettina, 458
 Axyrias, 476
 Azalois, 568
 Azevia, 442
 Azuma, 499
 Azurina, 481
 Azurella, 567
 Azteca, 473
 Aztecula, 482
 Baicalocottus, 501
 Baiostoma, 419
 Baleichthys, 452
 Bambradon, 528
 Barathrites, 541, 560, 576
 Barathrodemus, 419
 Barathronus, 435
 Barbulifer, 440
 Bascanichthys, 458
 Bassobythites, 517
 Bassozetus, 424
 Batacanthus, 425
 Bathyagonus, 451
 Bathyalopex, 492
 Bathybates, 479
 Bathyclupea, 454
 Bathycongrus, 483
 Bathylaco, 467
 Bathylychnus, 497
 Bathymyrus, 450
 Bathymyzon, 424
 Bathyonus, 432
 Bathyophilus, 423
 Bathypercis, 460
 Bathyphasma, 467
 Bathysauropsis, 540
 Bathyseriola, 449

- Bathysolea, 560
 Bathysoma, 450
 Bathystethus, 461
 Batrachocottus, 501
 Batrachomœus, 529
 Bayonia, 538
 Bdelloodus, 421
 Beanea, 500
 Bedotia, 506
 Belemnacanthus, 479
 Bellator, 475
 Bellottia, 423
 Belonepterygion, 556
 Belonocharax, 523
 Belonoglanis, 496
 Belonopterois, 560
 Belonopsis, 574
 Beltion, 571
 Bembradium, 513
 Benedenichthys, 453
 Bengalichthys, 531
 Bennettia, 507
 Bentenia, 494
 Benthabella, 541
 Benthobatis, 478
 Benthocometes, 468
 Benthodesmus, 419
 Benthosaurus, 435
 Benthosema, 467
 Benthosphyraena, 566
 Bergia, 456
 Bergiaria, 493
 Bergiella, 489
 Bermudichthys, 572
 Bero, 509
 Besnardia, 549
 Biat, 533
 Biotæcus, 502
 Biotodoma, 502
 Bipinnula, 474
 Birkenia, 488
 Bivibranchia, 542
 Biwia, 505
 Blenniulus, 481
 Blenniophidium, 457
 Bleptonema, 553
 Boggiana, 478
 Bogoslovius, 482
 Bollmannia, 447
 Bonapartia, 467
 Boopsetta, 470
 Borborys, 432
 Borostomias, 529
 Bothragonus, 420
 Bothrocarra, 450
 Bothrocaropsis, 486
 Boulengerella, 502
 Boulengerina, 507, 523, 576
 Boulengerochromis, 510
 Bowersia, 504
 Brachelurus, 519
 Brachiacanthus, 446
 Brachioptera, 518
 Brachychalcinus, 457
 Brachydanio, 561
 Brachydirus, 424
 Brachyglanis, 542
 Brachygnathus, 533
 Brachymylus, 460
 Brachyrhaphis, 550
 Bradyurus, 508
 Bramichthys, 516
 Branchoica, 563
 Brannerella, 489
 Brannerion, 570
 Breitensteinia, 417
 Brephostoma, 444
 Brevigobio, 561
 Brontichthys, 464
 Brosmiculus, 444
 Browneichthys, 449
 Brychætus, 495
 Brycochandus, 528
 Bryconamericus, 522
 Bryconodon, 502
 Bryolophus, 499
 Bryostemma, 469
 Bryssæteres, 472
 Bryssophilus, 481
 Bryttosus, 490
 Buccone, 472
 Bulbiceps, 568
 Cacus, 575
 Cæus, 575
 Cæsioperca, 575
 Caffrogobius, 487
 Cainosilurus, 416
 Callaus, 447
 Calliblennius, 541
 Callidulus, 265
 Calliscyllium, 546
 Calliurichthys, 505
 Callochromis, 572
 Callognathus, 447
 Callopristodus, 443
 Calotomus, 451
 Calymmichthys, 553
 Campogramma, 505
 Campyloprion, 498
 Candidia, 533
 Canobius, 418
 Cantioscyllium, 449
 Capoëtobrama, 558
 Caprichthys, 557
 Caproberyx, 540
 Capromimus, 461
 Caragobiu, 520
 Carassiops, 477
 Carcharioides, 516
 Carcharodon, 573
 Carcharoides, 547
 Carcharopsis, 422
 Caremitra, 474
 Cariniceps, 496
 Caristius, 514
 Carlia, 554
 Carnegiella, 532
 Caruichthys, 546
 Cascadura, 547
 Caspialosa, 555
 Caspiomyzon, 516
 Castelnauia, 523
 Catabasis, 489
 Catablemella, 450
 Catætyx, 437
 Catalufa, 541
 Cataphractops, 556
 Cathorops, 420
 Catlocarpio, 478
 Catulus, 548
 Caulichthys, 483
 Caulistius, 475
 Caulolepis, 424
 Caulophryne, 468
 Caulopsetta, 461
 Cearana, 528
 Celema, 468
 Centrarchites, 566
 Centristhmus, 485
 Centrobranchus, 507
 Centrodraco, 550
 Centropercis, 469
 Centrophoroides, 431

- Cephalocottus, 524
 Cephalosilurus, 539
 Ceraspis, 439
 Ceratobatis, 476
 Ceratobranchia, 553
 Ceratocheilus, 564
 Cerdale, 416
 Ceromitus, 551
 Cestracion, 560
 Cetomimus, 465
 Cetonurus, 437
 Cetopsorhamdia, 558
 Cetostoma, 555
 Chænocephalus, 550
 Chænodraco, 554
 Chætobranchopsis, 522
 Chæropsodes, 533
 Chalcinopelecus, 455
 Chalazacanthus, 422
 Chalcodus, 439
 Chalinura, 419
 Chamaigenes, 542
 Champsoborus, 531
 Champsochromis, 558
 Chanoides, 495
 Chapalichthys, 500
 Chapinus, 474
 Characilepis, 570
 Characodus, 423
 Charitosomus, 433
 Charybdia, 431
 Chascanopsetta, 463
 Chasmias, 494
 Chasmichthys, 494
 Chasmoeranus, 542
 Chaudhuria, 563
 Cheiloprion, 551, 561
 Cheiragonus, 457
 Cheirocerus, 562
 Cheirodopsis, 418
 Chelæthiops, 485
 Chelidoperca, 466
 Chelomodus, 462
 Chenogaster, 505
 Chicolepis, 565
 Chilara, 475
 Chilatherina, 554
 Chilias, 536
 Chilochromis, 497
 Chilogobio, 552, 555, 576
 Chilomyzon, 518
 Chilotilapia, 527
 Chimæropsis, 439
 Chimarrhoglanis, 478
 Chirolophius, 505
 Chiromystus, 434
 Chitonodus, 425
 Chitonotus, 416
 Chlamydes, 504
 Chlamydoselachus, 428
 Chlevastes, 494
 Chloëa, 494
 Chondrenchelys, 443
 Choridactylodes, 498
 Chorimycterus, 464
 Chriodorus, 419
 Chriolepis, 455
 Chrionema, 513
 Chriopeops, 559
 Chromidotilapia, 479
 Chrysobagrus, 485
 Chrysoperca, 523
 Chthamaloptyryx, 438
 Chuanchia, 442
 Cilus, 489
 Cinetodus, 483
 Cirrhigaleus, 546
 Cirriscyllium, 529
 Cirrhitoidea, 504
 Cirrhosecyllium, 551
 Cisco, 539
 Citharidium, 497
 Citharoides, 556
 Cladacanthus, 422
 Clariallabes, 576
 Claricola, 474
 Clariger, 494
 Cleidopus, 423
 Cleisthenes, 509
 Clevelandia, 440
 Clinodon, 572
 Clupeonella, 546
 Cnestrodon, 467
 Cnestrostoma, 572
 Cobitiglanis, 553
 Coccogenia, 532
 Coccotis, 419
 Celacanthopsis, 576
 Cælocephalus, 477
 Cælophrys, 497
 Cælorichthys, 530
 Collettia, 467
 Collybus, 511
 Coloconger, 444
 Colocopus, 428
 Cologrammus, 461
 Cololabis, 473
 Colossoma, 502
 Colotrigla, 513
 Colpichthys, 564
 Colpognathus, 575
 Columbia, 457
 Compsacanthus, 422
 Compsura, 556
 Conchognathus, 444
 Congrammus, 517
 Congrellus, 483
 Congresox, 451
 Congrosoma, 486
 Conocara, 467
 Copanognathus, 566
 Copeichthys, 507
 Copeina, 518
 Copelandellus, 474
 Copodus, 422
 Coralicola, 481
 Coralliozetus, 485
 Coreius, 514
 Corematodes, 471
 Coreoperca, 472
 Coripareius, 543
 Corusculus, 494
 Corvula, 447
 Corymbophanes, 532
 Coryzichthys, 529
 Coscinoxyron, 523
 Cosmochilus, 421
 Cottinella, 521
 Cottiusculus, 509, 511
 Cottocomephorus, 491
 Cotylichthys, 567
 Craterocephalus, 544
 Creedia, 483
 Creisson, 525
 Crenilepis, 440
 Creolus, 420
 Cristigorina, 515
 Cristivomer, 575
 Cromeria, 492
 Crossias, 509
 Crossolyceus, 550
 Crossophilus, 434
 Crossopholis, 421

- Cryodraco, 489
 Cryphiolepis, 418
 Cryptophthalmus, 535
 Crytops, 464
 Cryptopsaras, 423
 Cryptotrema, 451
 Crystallaria, 432
 Crystallias, 499
 Crystallichthys, 482
 Ctenobrycon, 527
 Ctenochætus, 428
 Ctenocharax, 526
 Ctenodax, 436
 Ctenodentex, 476, 484
 Ctenodon, 429
 Ctenolepis, 470
 Ctenopetalus, 415
 Ctenopleuron, 525
 Ctenothrissa, 488
 Culticula, 491
 Cultricus, 570
 Cuningtonia, 517
 Curimatella E.g., 446
 Curimatella Pellegrin, 533
 Cyathopharynx, 572
 Cyclolumpus, 546
 Cyclosetta, 441, 463
 Cycloptericthys, 417
 Cyclopteroides, 457
 Cyclothone, 419
 Cygnodraco, 561
 Cyneichthys, 536
 Cynocharax, 523
 Cynodonichthys, 510
 Cynopsetta, 506, 519
 Cynomacurus, 532
 Cynopœcilus, 545
 Cynophidium, 554
 Cynopodius, 417
 Cynothrissa, 563
 Cyphocharax, 518
 Cyphotilapia, 572
 Cyprinocirrhites, 563
 Cypselichthys, 426
 Cyrtocara, 497
 Cyrtoccharax, 523
 Cyrtonodus, 427
 Cyrtorhynchus, 574
 Cyttoides, 436
 Cyttomimus, 513
 Cyttosoma, 503, 508, 576
 Cyttula, 551
 Cyttus, 575
 Dacodraco, 561
 Dactylobatus, 531
 Dactylolepis, 433
 Dactylophora, 427
 Dactyloptena, 528
 Dactylostomias, 486
 Dacymba, 562
 Dæctor, 481
 Daia, 510
 Daicocus, 528
 Daruma, 509
 Dastilbe, 536
 Dasybatus, 432, 560
 Dasycottus, 450
 Davidia, 557
 Deania, 499
 Decapogon E.g., 440
 Decapogon Ribeiro, 565
 Decterias, 509
 Deinodus, 566
 Delcastes, 520
 Delolepis, 415
 Delothyris, 424
 Deltodopsis, 425
 Deltistes, 476
 Delturus, 446
 Derepodichthys, 467
 Derichthys, 428
 Dermatias, 544
 Dermatocheir, 532
 Dermatopsis, 475
 Dermatorus, 449
 Deuterodon, 522
 Deveximentum, 507
 Dexistes, 509
 Diagrammella, 544, 549
 Dialarchus, 493
 Dialommus, 451
 Diancistrus, 483
 Diapaleoplites, 556
 Diaphus, 454
 Diapoma, 464
 Diastatomycter, 456
 Diatomœca, 569
 Dibbranchichthys, 486
 Dibbranchopsis, 486
 Dicentrodus, 443
 Diceratias, 437
 Dichistius, 441
 Dielitodus, 422
 Dicranodus, 432
 Dicrolene, 419
 Dicromita, 468
 Dictyorhabdus, 459
 Didymodus, 422
 Dimylæus, 423
 Dinelops, 527
 Dinognathus, 533
 Dinogunellus, 451
 Dinomylostoma, 517
 Dinoperca, 466
 Dinopteryx, 496
 Dinopteris, 516
 Diodontopsodus, 415
 Diodyxodon, 417
 Diphyacantha, 559
 Diphyodus, 500
 Diplacodus, 427
 Diplaspis, 438
 Diplocanthopoma, 437
 Diplolepis, 418
 Dipnoites, 441
 Dipnolepis, 461
 Dipulus, 516
 Discobatis, 436
 Discotrygon, 535
 Disichthys, 547
 Dissomma, 497
 Dissostichus, 483
 Dixonina, 538
 Docimodus, 471
 Doderleinia, 426
 Doiichthys, 551
 Dolichopterus, 454
 Dolichopteryx, 492
 Dolichorhynchus, 495
 Doliodus, 459
 Dolloa, 489
 Dolloidraco, 551
 Dollopterus, 516
 Dolopichthys, 486
 Doryptena, 531
 Draciscus, 493
 Draconetta, 505
 Draculo, 541
 Drepanaspis, 439
 Drombus, 514
 Drydenius, 453
 Duopalatinus, 440
 Dynatobatis, 436

- Dyptychosteus, 537
 Dysalotus, 515
 Dysomma, 444
 Dysommopsis, 454
 Ebisinus, 528
 Ebisus, 494
 Ebosia, 509
 Echinodus, 427
 Echinomacurus, 560
 Echinophryne, 564
 Eclipes, 569
 Ecrinesomus, 537
 Ectasis, 569
 Ectenias, 553
 Ectodus, 576
 Ectosteorhachis, 422
 Ectreposebastes, 486
 Eczematolepis, 458
 Eichwaldia, 487
 Eigenmannia, 473
 Eigenmannina, 518
 Elacatinus, 508
 Elaphichthys, 509
 Elaphotoxon, 512
 Elasmodectes, 444
 Ellassodiscus, 543
 Elates, 525
 Elattarchus, 472
 Electrolepis, 461
 Eleginops, 455
 Elephenor, 568
 Eleria, 514
 Ellimma, 548
 Ellimmichthys, 568
 Ellipes, 536
 Ellopostoma, 500
 Elopides, 495
 Elpisopholis, 531
 Elxis, 505
 Embassichthys, 475
 Emblemaria, 420
 Embolichthys, 504
 Embryx, 481
 Emmachære, 569
 Emmeekia, 473
 Emmelas, 481
 Emmnion, 477
 Emmydrichthys, 472
 Empetrichthys, 461
 Emphycus, 481
 Enantioliparis, 443
 Enchelion, 503
 Enchelybrotula, 549
 Enchelyolepis, 565
 Endorrhis, 483
 Enedrias, 481
 Engraulicypris, 461
 Engyophrys, 447
 Enneanectes, 468
 Enneistus, 474
 Enneles, 528
 Ennelichthys, 570
 Entomocorus, 562
 Entomolepis, 561
 Enypnias, 481
 Eobothus, 552
 Eobrycon, 525
 Eoccelopoma, 496
 Eocottus, 496
 Eolabroides, 552
 Eomesodon, 565
 Eomyrus Storms, 484
 Eomyrus Ag., 512
 Eoörodus, 552
 Eoperca, 568
 Eopristis, 516
 Eopsetta, 433
 Eoscorpius, 569
 Eosebastes, 474
 Eothynnus, 496
 Epelytes, 562
 Eperlanio, 567
 Ehippites, 492
 Ehippicharax, 548
 Epiceratodus, 456
 Epinephelides, 487
 Epitomynis, 448
 Epitrachys, 448
 Equulites, 507
 Eretmichthys, 486
 Eretmodus, 479
 Eretmophorus, 446
 Ereunias, 493
 Ericara, 477
 Ericentrus, 461
 Erieteis, 508
 Eridacnis, 551
 Erilepis, 461
 Erimystax, 419
 Eriptychius, 459
 Erisphex, 509
 Eritima, 569
 Ernogrammus, 481
 Erosa, 509
 Errex, 567
 Erythrichthys, 525
 Erythrinolepis, 566
 Erythrocles, 567
 Escolar, 468
 Eslopsarum, 472
 Esloscopus, 474
 Esocelops, 495
 Estheria, 575
 Etelides, 514
 Etelinus, 539
 Eteliscus, 490
 Ethmalosa, 560
 Ethmidium, 561
 Etringus, 525
 Etropus, 416
 Euacanthus, 426
 Eubiodectes, 503
 Eubleekeria, 507
 Eucenronotus, 483
 Eucentrurus, 495
 Euctenius, 417
 Euctenodopsis, 495
 Euchilichthys, 488
 Euchilomycterus, 491
 Eucirrichthys, 459
 Eucitharus, 441
 Eucrossorhinus, 530
 Eucrotus, 541
 Eucynopotamus, 507
 Eudontomyzon, 540
 Eudulus, 523
 Euelatichthys, 508
 Eugnathichthys, 479
 Eugnathosaurus, 550
 Euleptocephalus, 470
 Eulophias, 500
 Eumycterias, 493
 Eunarce, 535
 Eunemacanthus, 425
 Eupakeoniscus, 417
 Eupetrichthys, 439
 Euphanerops, 491
 Euphyacanthus, 466
 Eupleurodus, 428
 Euristhmus, 487
 Eurumetopos, 438
 Eurycanlus, 529
 Eurygnathus, 431

- Eurymen, 543
 Eurypharynx, 421
 Eurystole, 473
 Euscarus, 473
 Eusemius, 418
 Eusthenopleuron, 418
 Eustomias, 427, 444, 576
 Eutæniichthys, 494
 Eutherapon, 508
 Euthyoptero, 507
 Euthynnus, 420
 Eutyx, 503
 Evapristis, 472
 Evarra, 470
 Evenchelys, 498
 Evermanella, 493
 Evermannella, 502
 Evermannia, 468
 Evermannolus, 522
 Evesthes, 536
 Eviota, 504
 Evistias, 524
 Evistius, 461
 Evolantia, 503
 Evynnis, 544
 Exallias, 514
 Execesitides, 514
 Exerpes, 472
 Eximia, 493
 Exocætoïdes, 431
 Exonantes, 472
 Expedio, 534
 Extrarius, 567
 Exyrias, 519
 Falcula, 487
 Falcularius, 504
 Fajumia, 511
 Farlowella, 445
 Farnellia, 484
 Fayolia, 452
 Fimbriatorpedo, 435
 Fissala, 513
 Flammeo, 482
 Fluvidraco, 505
 Foa, 514
 Fodiator, 432
 Fontinus, 473
 Forcipiger, 481, 482
 Forfex, 568
 Formosania, 570
 Fowleria, 504
 Fowlerina, 522
 Franzia, 553
 Furcella, 475
 Furcimanus, 482
 Furcina, 509
 Fusania, 514
 Gadamus, 505
 Galasaccus, 559
 Galeagra, 503
 Galeocerdo, 573
 Gambusinus, 473
 Gamphacanthus, 458
 Ganiodus, 447
 Ganoëssus, 571
 Ganolepis, 463
 Ganolytes, 568
 Ganopristodus, 417
 Ganosteus, 500
 Gareus, 556
 Garmanina, 518
 Garmannia, 575
 Garmannichthys, 563
 Garrupa, 452
 Gastropristis, 556
 Gastropsetta, 463
 Gastrostomus, 424
 Gavialiceps, 444
 Gemundina, 506
 Gennadius, 525
 Genycharax, 543
 Genyomyrus, 479
 Gephyroberyx, 497
 Gephyrocharax, 543
 Gephyrochromis, 492
 Gephyroglanis, 485
 Gephyrura, 454
 Gerlachea, 489
 Germo, 442
 Gigantactis, 497
 Gigantichthys, 440
 Gigantogobius, 513
 Gigantopterus, 516
 Gigantura, 492
 Gigliolia, 465
 Gilbertella Waite, 501
 Gilbertella Eij., 502
 Gilbertia, 452
 Gilbertidia, 484
 Gilbertina, 469
 Gilbertolus, 522
 Gilchristia, 524
 Gillellus, 451
 Gillias, 485
 Gillicus, 480
 Gillidia, 552
 Girellops, 550
 Glandulocauda, 538
 Gianiopsis, 485
 Glaridichthys, 471
 Glaridodon, 467
 Glaucus, 562
 Glossolepis, 527
 Glyphanodus, 422
 Glyptaspis, 447
 Glyptognathus, 456
 Glyptophidium, 444
 Glyptohynchus, 515
 Gnathacanthus, 422
 Gnathobagrus, 562
 Gnathocharax, 548
 Gnathorhiza, 422
 Gnathostomias, 554
 Gobiobotia, 540
 Gœldiella, 489
 Gonialosa, 560
 Gonorhynchops, 566
 Goodella, 477
 Gordiichthys, 458
 Gorgonichthys, 457
 Gosfordia, 453
 Grammatonotus, 513
 Grammatostomias Goode
 & Bean, 468
 Grammatostomias, Holt
 & Byrne, 536
 Grammatotria, 485
 Grammoplites, 508
 Graus, 438
 Graviceps, 502
 Greeleva, 571
 Grimaldichthys, 551
 Grypodon, 486
 Gudusia, 539
 Guentheridia, 508
 Gulapinnus, 549
 Gurnardus, 481
 Gymnapogon, 515
 Gymnatacanthus, 425
 Gymmelichthys, 431
 Gymnocharacinus, 506
 Gymnoclinus, 543
 Gymnocorymbus, 527

- Gymnodiptychus, 458
 Gymnogeophagus, 565
 Gymnognathus, 429
 Gymnolycodes, 444
 Gymnorhamphichthys, 543
 Gymnosimenchelys, 531
 Gymnotorpedo, 435
 Gymnura, 574
 Gyriichthys, 467
 Gyriochelilus, 500
 Gyriostomus, 434
 Gyriurus, 545
 Gyriuremus, 443
 Gyrolepidotus, 448
 Gyropeltus, 462
 Hacquetia, 436
 Hadropareia, 511
 Halaphya, 447
 Halecodon, 566
 Halecopsis, 496
 Halicmetus, 454
 Halieutella, 432
 Halieutopsis, 486
 Halimochirus, 484
 Halobatrachus, 529
 Halosaurichthys, 444
 Halosauropsis, 471
 Haploblepharus, 548
 Haplochromis, 442
 Haplodon, 426
 Haploglossa, 518
 Haplolepis, 458
 Haplophryne, 545
 Haplotaxodon, 517
 Harpacanthus, 436
 Harpacodus, 415
 Harpage, 427
 Harriotta, 464
 Hasemania, 538
 Hassar, 440
 Hatcheria, 533
 Haustor, 473
 Hayia, 569
 Hazeus, 494
 Helcogramma, 564
 Helgia, 448
 Helichthys, 532
 Helicolenus, 468
 Helicoprion, 487
 Helmintholepis, 565
 Hemerorhinus, 561
 Hemibates, 572
 Hemicladodus, 427
 Hemictenodus, 452
 Hemiculterella, 439
 Hemeleotris, 560
 Hemiexocetus, 493
 Hemigrammocypripis, 535
 Hemiodopsis, 518
 Hemimyzon, 540
 Hemipsilichthys, 446
 Hemipterois, 540
 Hemiptychodus, 465
 Hemisalanx, 530
 Hemiscaphirhynchus, 542
 Hemistichodus, 491, 557
 Hemitilapia, 497
 Henichthys, 558
 Henochilus, 451
 Henonemus, 522
 Hephæstus, 431
 Hephthocara, 457
 Heringia, 539
 Hermosilla, 442
 Herops, 431
 Hesperoleucus, 546
 Heteracanthus, 447
 Heterenchelys, 545
 Heterocharax, 543
 Heterogramma, 520
 Heterolepis, 574
 Heterophallus, 555
 Heteropleuron, 469
 Heteroscyllium, 530
 Heteroscymnus, 546
 Heterotilapia, 572
 Hexagrammoides, 524
 Hierichthys, 499
 Hilgendoria, 468
 Hilsa, 560
 Hippopotamyrus, 520
 Hisonotus, 445
 Hispanicus, 474
 Histiobranchus, 424
 Histiocephalus, 453
 Histicottus, 441
 Histiodraco, 555
 Histiogamphelus, 553
 Hisionotopterus, 507
 Histiothrissa, 495
 Holcodon, 433
 Holcomycteronus, 486
 Holesthes, 502
 Hollandichthys, 535
 Holobrycon, 532
 Holonema, 447
 Holopetalichthys, 469
 Holoprion, 502
 Holopristis, 502
 Holosestes, 502
 Holurus, 418
 Homalodus, 423
 Homalopteroideus, 513
 Homesthes, 481
 Homodemus, 431
 Homodietus, 565, 576
 Homodiætes, 522
 Homostolus, 549
 Hopladelus, 573
 Hoplerythrinus, 467
 Hoplias, 503
 Hoplotilapia, 438
 Hoplotilapia, 443
 Howella, 483
 Hubbesia, 566
 Hunsruckia, 506
 Husakofia, 535
 Hyalorhynchus, 536
 Hybocladodus, 486
 Hydropessum, 532
 Hyleobatis, 558, 561
 Hymenocephalus, 575
 Hymenogadus, 570
 Hymnodus, 513
 Hyostomus, 570
 Hypargyrus, 428
 Hyperchoristus, 424
 Hyperlophus, 458
 Hypheobrycon, 528
 Hypnarce, 501
 Hypocaranx, 429
 Hypoclydonia, 468
 Hypolophites, 549
 Hypomaerus, 523
 Hypopleuron, 549
 Hyposerranus, 429
 Hypsirhynchus, 427, 468
 Hypsopsetta, 575
 Hypsopondylus, 403
 Hysteronotus, 538
 Icanodus, 458
 Icelinus, 433

- Ichthaelurus, 573
 Ichthyobus, 573
 Ictalurus, 573
 Icticus, 553
 Ictiobus, 573
 Iheringichthys, 489
 Ijimaia, 516
 Illana, 520
 Ilyodon, 522
 Ilyophis, 454
 Ilypnus, 474
 Imparfinis, 489
 Inegocia, 549
 Inimicus, 509
 Inopsetta, 433
 Insidiator, 490
 Inu, 534
 Ioglossus, 419
 Iotochthys, 473
 Iquius, 568
 Iracundus, 504
 Iridio, 473
 Irillion, 567
 Isacia, 462
 Isaciella, 462
 Ischikauia, 490
 Ischnomembras, 503
 Isesthes, 420
 Iso, 495
 Isobuna, 525
 Isopholis, 439
 Isopsetta, 420
 Istlarius, 486
 Isurichthys, 496
 Jenkinsia, 473
 Jenkinsiella, 576
 Jenynsella, 529
 Jobertina, 533
 Joinvillea, 531
 Jordania, 469
 Jordanicus, 513
 Jordanidia, 541
 Julichthys, 431
 Julidio, 473
 Julidochromis, 479
 Kanekonia, 558
 Kareius, 490
 Kelloggella, 519
 Kenoza, 473
 Kessleria, 418
 Kirtlandia, 473
 Knightia, 525
 Knodus, 538
 Konosirus, 490
 Kræmeria, 521
 Krambergeria, 511
 Krefftius, 478
 Kronia, 557
 Kronichthys, 530
 Krusensteniella, 511
 Labichthys, 424
 Labidorhamphus, 513
 Labracopsis, 426
 Labrochromis, 572
 Lactoria, 498
 Læmonemodus, 503
 Læoptichthys, 556
 Læphichthys, 560
 Lagarodus, 480
 Lahiliella, 502
 Laides, 568
 Laimumena, 430
 Lambdopsetta, 520
 Lambertia, 465
 Lampadena, 467
 Lamprichthys, 540
 Lamprogrammus, 454
 Lamprologus, 452
 Lamprotodus, 548
 Lanarkia, 488
 Landonia, 553
 Lappanella, 452
 Larimichthys, 514
 Lasanius, 488
 Lebistes, 487
 Leedsia, 448
 Leedsichthys, 449
 Lefua, 442
 Leiogaster, 551
 Leme, 427
 Lepadichthys, 511
 Lepidiolamprologus, 510
 Lepidopomus, 573
 Lepidoblepharon, 551
 Lepidoglanis, 448
 Lepidoperca, 554
 Lepidoterus, 459
 Lepidopsetta, 575
 Lepidothynnus, 447
 Lepiopomus, 572, 573
 Leponis, 573
 Lepophidium, 467
 Leptanthias, 565
 Leptecodon, 488
 Leptichthys, 487
 Leptoancistrus, 559
 Leptobrycon, 555
 Leptocerda, 537
 Leptocharias, 573
 Leptochromis, 572
 Leptocypris, 488
 Leptodoras, 479
 Leptodus, 424
 Leptoderma, 436, 444
 Leptoglanis Boulenger, 496
 Leptoglanis Eigenmann, 542
 Leptogoniates, 437
 Leptophilypnus, 559
 Leptophycis, 486
 Leptorhaphis, 550
 Leptoscolopsis, 558
 Leptostomias, 513
 Leptostyrax, 491
 Lepturacanthus, 512
 Lepturichthys, 540
 Lestidiops, 559
 Lestidium, 513
 Lesneuriella, 523
 Lesueurina, 523
 Letharchus, 419
 Lethostole, 473
 Lethotremus, 469
 Lethrinella, 508
 Lethrinichthys, 544
 Leucalburnus, 552, 558
 Leucichthyops, 566
 Leucicorus, 486
 Leucidius, 563
 Leucisculus, 572
 Leucogobio, 471
 Leuroglossus, 457
 Lewisia, 431
 Liauchenoglanis, 558
 Lile, 473
 Limandella, 519
 Limiculina, 523
 Limnichthys, 511
 Limnocottus, 516
 Limnochromis, 572
 Limnothrissa, 563
 Limnotilapia, 572

- Linophryne, 434
 Liocranium, 510
 Lioglossina, 457
 Liopempheris, 549
 Liopteryx, 551
 Lionurus, 437
 Lipariscus, 556
 Liparops, 457
 Liparus, 448
 Lipochromis, 572
 Lipogenys, 465
 Lipomyzon, 415
 Lipophrys, 471
 Lispacanthus, 422
 Lispognathus, 458
 Lissocheilichthys, 572
 Lissochilus, 561
 Lissolepis, 427
 Lissoprion, 524
 Lithogenes, 532
 Lithoxus, 542
 Liza, 428
 Lo, 519
 Lobochilotes, 558
 Lobodus, 422
 Lobopterus, 569
 Lompochites, 571
 Lompoquia, 569
 Longurio, 514
 Lophar, 569
 Lophiodes, 468
 Lophiomus, 419
 Lophiurus, 418
 Lophocephalus, 520
 Lophorhombus, 421
 Lophostracon, 429
 Loro, 473
 Lovettia, 556
 Lubricogobius, 558
 Lucifer, 418
 Lucioblennius, 457
 Luciobrotula, 549
 Luciocyprinus, 511
 Luciogadella, 570
 Luciogadus, 570
 Luciolates, 552
 Luciopimelodus, 440
 Luspia, 574
 Luxilinus, 432
 Lycenchelys, 428
 Lychnopolyes, 486
 Lycias, 481
 Lycocara, 428
 Lycodapus, 457
 Lycodonus, 419
 Lycodophis, 444
 Lycogramma, 556
 Lyconectes, 467
 Lyconema, 467
 Lyconus, 437
 Lygisma, 568
 Lyocetus, 437
 Lyoliparis, 474
 Lyopsetta, 433
 Lyosphæra, 480
 Lyrolepis, 436, 510
 Lysodermus, 520
 Lythrichthys, 509
 Lythrulon, 428
 Lythrypnus, 474
 Maccullochia, 537
 Macdonaldia, 465
 Macgregorella, 533
 Machærognathus, 566
 Machærope, 483
 Macleayina, 523
 Macrepistius, 464
 Macrhybopsis, 532
 Macrias, 493
 Macristium, 505
 Macromesodon, 576
 Macropharynx, 497
 Macrophthalmia, 478
 Macrospobrycon, 555
 Macrostomias, 497
 Macrotrema, 545
 Macrouroides, 544
 Macrurrhynchus, 475
 Malacobatis, 523
 Malacocottus, 450
 Malacosarcus, 437
 Malakichthys, 426
 Mancopsetta, 514
 Manducus, 468
 Manta, 573
 Mapo, 487
 Marcgravia, 435
 Marcgraviichthys, 557
 Margariscus, 532
 Markiana, 502
 Mars, 519
 Marsdenius, 501
 Mastigopterus, 549
 Masturus, 428
 Mataeocephalus, 484
 Malthopsis, 454
 Matsya, 445
 Mawsonia, 525
 Mayerina, 557
 Mazodus, 447
 MearnSELLA, 530
 Medialuna, 462
 Megalamphodus, 555
 Megalonema, 535, 342
 Megalopharynx, 489
 Megapleuron, 432, 459
 Megastomatobus, 547
 Megistopus, 465
 Melananosoma, 498
 Melaniris, 500
 Melanobranchus, 505
 Melanostigma, 416
 Melanostoma, 426
 Melanostomias, 497
 Merinthe, 511
 Meristodon, 425
 Merogymnus, 529
 Merriamella, 525
 Merriamina, 569
 Merulinus, 481
 Mesacanthus, 443
 Mesiteia, 433
 Mesoborus, 490
 Mesocottus, 524
 Mesogomphus, 423
 Mesolophodus, 449
 Mesopoma, 453
 Metaceratodus, 534
 Metallites, 448
 Metopacanthus, 439
 Metopomycter, 513
 Metoponichthys, 420
 Micralcetes, 485
 Microbrachium, 443
 Microbrycon, 553
 Microcharax, 533
 Microconger, 543
 Microconodus, 470
 Microeleotris, 559
 Microgenys, 547
 Microglanis, 542
 Microlepidium, 486
 Microlepidogaster, 445

- Micrognathus, 542
 Microschemobrycon, 555
 Microstomatichthyo-
 borus, 562
 Microsynodontis, 501
 Microthrissa, 490
 Millerichthys, 458
 Mimagoniates, 526
 Miniellus, 442
 Miopsaras, 513
 Mistichthys, 500
 Mitchillina, 473
 Mitsukurina, 480
 Miuroglanis, 446
 Mixobrycon, 556
 Mixonus, 437
 Mnierpes, 474
 Modigliania, 462
 Mœbia, 468
 Mœekhausia, 502
 Mohanga, 538
 Molua, 463
 Molva, 463
 Monoceratias, 556
 Monocladodus, 460
 Monomitopus, 449
 Monomitra, 424
 Monosira, 417
 Monostichodus, 491
 Monothrix, 477
 Mormyrostoma, 545
 Moseleya, 468
 Moxostoma, 574
 Mucogobius, 544
 Mugilogobius, 487
 Mulgoa, 478
 Mustelichthys, 565
 Mycterops, 434
 Mylacodus, 423
 Mylacrodon, 505
 Myleocollops, 502
 Myliobatis, 572
 Mylochromis, 572
 Myloleniscus, 543
 Mylolenucops, 547
 Mylomyrus, 537
 Myloplus, 467
 Mylossoma, 502
 Mylostoma, 425
 Myocharax, 553
 Myoglanis, 542
 Myomyrus, 479
 Mystaconurus, 437
 Myropterura, 477
 Myxocephalus, 439
 Myxostoma, 574
 Nannacara Regan, 515
 Nannacara Ribeiro, 564
 Nannobranchium, 438
 Nannorhamdia, 550
 Nannoglanis, 437
 Nanochromis, 510
 Nanognathus, 466
 Nansenia, 473
 Narcetes, 449
 Nasisqualus, 546
 Nautiscus, 481
 Nautopædium, 567
 Neamia, 544
 Neatypus, 516
 Nectamia, 562
 Nectoliparis, 543
 Nector, 480
 Nedystoma, 483
 Neechelys, 555
 Nemalycodes, 472
 Nemateryx, 529
 Nematabramis, 464
 Nematalosa, 560
 Nematobrycon, 538
 Nematochromis, 551
 Nematogobius, 534
 Nematonotus, 488
 Nematonurus, 437
 Nematonus, 437
 Nematoprora, 513
 Nematostomias, 541
 Nemuroglanis, 445
 Neobagrus, 457
 Neobola, 470
 Neoborus, 485
 Neobythites, 432
 Neoceratias, 554
 Neochromis, 572
 Neocybium, 519
 Neoditrema, 426
 Neogastromyzon, 515
 Neoheterandria, 559
 Neolebias, 465
 Neomugil, 466
 Neoniphon, 431
 Neopangasius, 510
 Neopataeus, 430
 Neopempheris, 416
 Neopercis, 434
 Neoplecostomus, 440
 Neorhombulepis, 444
 Neoscomelus, 575
 Neostethus, 560
 Neostoma, 427, 444, 576
 Neostomias, 518
 Neotilapia, 572
 Neotictichthys, 451
 Nesiotis, 427
 Nesogrammus, 522
 Nettastomella, 553
 Nettastomops, 521
 Nettophichthys, 455
 Nexilarius, 475
 Nexilosus, 503
 Nezumia, 509
 Nibea, 539
 Nivicola, 474
 Notelops, 495
 Notesthes, 510
 Nothosomus, 434
 Notoclinus, 461
 Notoglanidium, 498
 Notogoneus, 430
 Notolepidomyzon, 548
 Notolepis, 527
 Notopogon, 554
 Notosoma, 419
 Notosudis, 561
 Occa, 481
 Oceanomyzon, 528
 Oceanops, 519
 Ochmacanthus, 542
 Ocosia, 509
 Octonema, 438
 Octocynodon, 508
 Ocyanthias, 474
 Ocynectes, 509
 Ocystias, 571
 Odaxothrissa, 485
 Odontesthes, 517
 Odontoglyphis, 507
 Odontonema, 551
 Odontosternarchus, 547
 Edalechilus, 502
 Œstophorus, 458
 Ogilbia, 480
 Oligobrycon, 555

- Oligoplarchus, 454
 Oloplotosus, 551
 Omiodon, 440
 Omochætus, 477
 Omosudis, 438
 Onar, 431
 Oncolepis, 478
 Onigocia, 549
 Onychostoma, 471
 Ophiocephalops, 518
 Ophiorrhinus, 478
 Ophthalmolycus, 551
 Ophthalmotilapia, 510
 Opisthomyzon, 445
 Opisthoproctus, 443
 Opladelus, 573
 Opostomias, 438
 Opsigonus, 418, 469
 Opsopœa, 473
 Optonurus, 437
 Orcella, 473
 Orcula, 489
 Oreochromis, 446
 Orcogobius, 485
 Oreoleuciscus, 488
 Orqueta, 567
 Orthacodus, 449
 Orthomyelus, 502
 Orthopleurodus, 425
 Orthopnias, 541
 Orthosternarchus, 547
 Orthrias, 505
 Orthybodus, 480
 Oryzias, 519
 Osbeckia, 474
 Oshimia, 567
 Osopsaron, 509
 Osteochromis, 535
 Osteogaster, 464
 Ostichthys, 474
 Ostophycephalus, 487
 Osurus, 504
 Otakia, 490
 Othonias, 539
 Othonophanes, 502
 Othonops, 417
 Otohime, 525
 Otomitla, 454
 Otopharynx, 572
 Otoperca, 558
 Otophidium, 433
 Otrynter, 472
 Owstonia, 531
 Oxybarbus, 463
 Oxycottus, 481
 Oxygadus, 570
 Oxygeneum, 431
 Oxyglanis, 484
 Oxyzygonectes, 559
 Oxyodon, 517
 Oxyropsis, 445
 Ozorthe, 481
 Ozymandias, 569
 Pachycara, 541
 Pachychilon, 421
 Pachylebias, 496
 Pachymylus, 460
 Pachyosteus, 503
 Pachystomias, 438
 Pachyula, 483
 Pagetopsis, 550
 Pagrosomus, 461
 Paleaspis, 427, 430
 Palæchimæra, 456
 Palæochromis, 526, 537
 Palæomylus, 456
 Palæospondylus, 453
 Palæoniscinotus, 452
 Palæophichthys, 527
 Palæosteus, 462
 Pallasina, 469
 Palometa, 479
 Pampanoa, 517
 Pamphoria, 550
 Pamphorichthys, 550
 Pampus, 513
 Panaque, 446
 Pantopholis, 431
 Panturichthys, 549
 Papyrocephalus, 570
 Parabarbus, 535
 Parablennius, 557
 Paracentroscyllium, 444
 Paraceratias, 531
 Paracetopsis, 522
 Parachela, 417
 Paracirrhites, 426
 Paraclinus, 443
 Paracrosocheilus, 510
 Paracymatodus, 558
 Paradicrolene, 444
 Paradoxichthys, 419
 Parafundulus, 561
 Paragambusia, 510
 Paragobioides, 540
 Paragonus, 564
 Paragyrops, 560
 Paraikichthys, 484
 Parailia, 485
 Parakuhlia, 549
 Paralates, 425
 Paraleucogobio, 521
 Paralosa, 560
 Paralichthodes, 498
 Paramphilius, 526
 Paramphioxus, 461
 Paramyxine, 506
 Paranotropis, 507
 Parapelecus, 447
 Parapercis, 430
 Parapetenia, 515
 Paraphago, 485
 Paraphractura, 496
 Parapygæus, 526
 Parashora, 530
 Pararhodeus, 521
 Pararutilus, 542
 Parasalanx, 530
 Parascaphirhynchus, 512
 Parascolopsis, 492
 Parascombrops, 450
 Parasphyænops, 542
 Parastremma, 543
 Parasudis, 540
 Parateleopus, 544
 Paratrachichthys, 488
 Parathrissops Sauvage,
 456
 Parathrissops Eastman
 553
 Paratrigla, 540
 Paraturisoma, 545
 Parauchenoglanis, 538
 Paravandellia, 545
 Parazenopsis, 532
 Parecbasis, 553
 Parelops, 498
 Parexostoma, 515
 Parhaplodactylus, 425
 Parhomaloptera, 500
 Parhybodus, 580
 Paricelinus, 445
 Parioglossus, 545

- Parkia, 525
 Parmaturus, 518
 Parona, 466
 Paroneirodes, 449
 Parophiocephalus, 515
 Parotocinclus, 445
 Paulicea, 480
 Pelacaniichthys, 477
 Pelamycybium, 516
 Pelamys, 573
 Pelichthys, 547
 Pellegrinina, 523
 Pelmatochromis, 465
 Pelodichthys, 573
 Pelopsia, 423
 Peloropsis, 513
 Pelotretis, 541
 Peltapleura, 518
 Peltura, 459
 Penetopteryx, 416
 Penopus, 468
 Pentaceroopsis, 426
 Pentagonolepis, 452
 Pentanchus, 546
 Pentlandia, 561
 Percalates, 439
 Perissodus, 479
 Perissognathus, 566
 Perkinsia, 454
 Perleidus, 538
 Peronedys, 430
 Persissias, 481
 Pertica, 508
 Perugia, 489
 Petalodopsis, 423
 Petalosoma, 530
 Petalurichthys, 545
 Petersius, 465
 Petraites, 434
 Petrochromis, 479
 Petroscirtes, 426
 Petrotyx, 503
 Phalacrus, 496
 Phallatorhynchus, 559
 Phalloceros, 522
 Phalloptychus, 522, 559
 Phallostethus, 550
 Phanagoniates, 553
 Phanerobranchus, 574
 Phanerosteon, 418
 Phenacogaster, 522
 Phenacogrammus, 522
 Phenagoniates, 553
 Phlyctænacanthus, 479
 Phlyctænaspis, 453
 Phlyctænum, 491
 Phlyctænius, 452
 Phoderacanthus, 423
 Pholidapus, 471
 Pholidosteus, 524
 Pholidurus, 449
 Photoblepharon, 501
 Photonectes, 438
 Photostomias, 444
 Phoxargyrea, 503
 Phoxinopsis, 526
 Phoxiscus, 570
 Phractura, 488
 Phrenatobius, 480
 Phricus, 466
 Phrynotitan, 432
 Phylactocephalus, 431
 Phycodurus, 471
 Phyllogephyra, 479
 Phyllichthys, 559
 Phyllonemus, 517
 Physailia, 492
 Piaractus, 502
 Pictilabrus, 455
 Pilodictis, 573
 Pimelodella, 440
 Pinacodus, 423
 Pisciregia, 484
 Pithecomyzon, 548
 Pithecocharax, 518
 Plagignathops, 521
 Plagiogeneion, 450
 Plagiogrammus, 460
 Plagiopsetta, 535
 Planerocephalus, 518
 Platea, 484
 Platyacanthus, 446
 Platyæniodus, 517
 Platyaspis, 469
 Platyberyx, 541
 Platycephalus, 500
 Platychodus, 437
 Platylates, 539
 Platypharodon, 442
 Platypogon, 551
 Platsilurus, 539
 Platyspondylus, 514
 Platyxystrodus, 486
 Plecodus, 479
 Plectobranchus, 451
 Plectrites, 571
 Plectrogenium, 513
 Plectromus, 424
 Pleuragramma, 496
 Pleurogadus, 433
 Pleurophysus, 564
 Pleuroplax, 449
 Pleurosicya, 551
 Plioparchus, 422
 Pliotrema, 520
 Pluviopsetta, 560
 Pneumatophorus, 420
 Pnictes, 567
 Pnigeacanthus, 425
 Podateles, 497
 Pœcilibrycon, 533
 Pœciliocharax, 533
 Pœcilopsis, 550
 Pœcilosomatops, 518
 Pœcilothrissa, 563
 Pogonocharax, 526
 Pogonophryne, 554
 Pogonopoma, 526
 Pogonoscorpis, 530
 Polistotrema, 416
 Polyacrodus, 447
 Polycentropsis, 492
 Polyclemus, 466
 Polyipnus, 438
 Polypera, 542
 Polypsephus, 486
 Pomodon, 466
 Ponerichthys, 458
 Ponerodon, 449
 Poptella, 528
 Porochilus, 551
 Poroclinus, 450
 Porogadus, 532
 Porolepis, 456
 Poromitra, 419
 Poromitrella, 541
 Porotergus, 543
 Potamalosia, 475
 Potamothrissa, 563
 Priacanthopsis, 517
 Priapella, 550
 Priapichthys, 550
 Primospina, 460

- Prionistius, 421
 Prionobrama, 548
 Prionodracon, 554 (mis-
 printed Prinodracon)
 Pristella, 528
 Pristiophorus, 573
 Pristiopsis, 512
 Pristisomus, 453
 Pristiurus, 573
 Pristobrycon, 556
 Proantigonia, 420
 Pristodus, 423
 Probalistum, 439
 Proballostomus, 454
 Probolodus, 538
 Procatopus, 506
 Procottus, 498
 Prognurus, 482
 Progymnodon, 422
 Prohalecites, 445
 Prolates, 487
 Prolepidodus, 462
 Promacheon, 551
 Promethichthys, 461
 Promyliobatis, 465
 Promyllantor, 449
 Pronotacanthus, 491
 Proporthus, 533
 Propristis, 422
 Prosauropsis, 462, 465
 Proscyllium, 508
 Prosoplismus, 506
 Prospiraxis, 439
 Protacanthodes, 441
 Protacanthus, 460
 Protaulopsis, 496
 Protautoga, 471
 Protelops, 433
 Proterorhinus, 487
 Protianichthys, 521
 Protoblepharon, 534
 Protocatostomus, 453
 Protodus, 459
 Protopirata, 443
 Protopsetta, 511
 Protosauropsis, 465
 Protospinax, 565
 Protothymallus, 495
 Psalododon, 538
 Psammichthys, 530
 Psectrogaster, 445
 Pseudoblephennius, 442
 Pselaphias, 519
 Psellogrammus, 528
 Psettias, 519
 Psettina, 556
 Psettylis, 450
 Pseudacrodus, 516
 Pseudalphestes, 466
 Pseudaphritis, 575
 Pseudepterus, 558
 Pseudocheirodon, 559
 Pseudocorax, 478
 Pseudocorynopoma, 455
 Pseudocyttus, 518
 Pseudogaleus, 465
 Pseudogobiops, 552
 Pseudohelotes, 419
 Pseudolais, 500
 Pseudolates, 483
 Pseudomulloidus, 557, 560
 Pseudomycterus, 529
 Pseudonus, 486
 Pseudopercis, 506, 564
 Pseudophichthys, 557
 Pseudophidium, 524
 Pseudoplesiops, 485
 Pseudopocilia, 550
 Pseudoscaphirhynchus
 490
 Pseudoscopelus, 458
 Pseudosphærodon, 434
 Pseudostegophilus, 446
 Pseudothyrtodius, 490
 Pseudothyrina, 557
 Pseudotocinclus, 569
 Psilocranium, 429
 Psychichthys, 523
 Psychromaster, 474
 Ptenonotus, 529, 554
 Pteranthias, 551
 Pternodus, 432
 Pterobrycon, 547
 Pterocapoeta, 498
 Pterodiscus, 532
 Pterognathus, 481
 Pteroidonius, 437
 Pterolebias, 467
 Pteromykæus, 548
 Pteroplatytrygon, 535
 Pteropodus, 460
 Pteropsaron, 499
 Pterorhombus, 517
 Pterygotrigla, 488
 Ptilichthys, 415
 Pungtungia, 458
 Pycnomma, 511
 Pycnosteus, 537
 Pynocraspedum, 444
 Pyramodon Radcliffe, 549
 Pyramodon Regan, 555
 Pyritocephalus, 464
 Quadrarius, 524
 Quæsita, 568
 Quassiremus, 458
 Quenselia, 442
 Querimana, 420
 Quietula, 469
 Quincuncia, 570
 Quinquarius, 524
 Quisque, 571
 Quisquilius, 504
 Rabidus, 473
 Rabirubia, 462
 Rabula, 458
 Racovitzia, 489
 Radulinus, 457
 Rafinesquiellus, 474
 Raiamas, 567
 Raizero, 462
 Ramphodus, 504
 Ramularia, 481
 Ranulina, 519
 Rasborinus, 572
 Rastrelliger, 528
 Rastrinus, 474
 Rastrum, 507
 Rathbunella, 474
 Redfieldius, 486
 Regania, 509
 Reganichthys, 557
 Reganina, 523
 Remorina, 475
 Retroculus, 464
 Rexea, 541
 Rhabdamia, 534
 Rhabdiodus, 462
 Rhabdoderma, 443
 Rhabdura, 526
 Rhadinacanthus, 443
 Rhadinocentrus, 554
 Rhamdella, 440
 Rhamdioglanis, 524

- Rhamdiopsis, 539
 Rhamphodes, 422
 Rhabdiolepis, 512
 Rhegma, 490
 Rhencus, 472
 Rheocles, 567
 Rheopresbe, 509
 Rhinechidna, 527
 Rhinochimæra, 493
 Rhinognathus, 431
 Rhinoliparis, 467
 Rhinomuræna, 441
 Rhinopias, 513
 Rhinosardinia, 543
 Rhinoscopelus, 458
 Rhizoiketicus, 463
 Rhizoprion, 557
 Rhoadsia, 539
 Rhodeoides, 430
 Rhodeops, 535
 Rhodymenichthys, 475
 Rhomarchus, 569
 Rhombatractus, 464
 Rhombiscus, 490
 Rhombocyttus, 461
 Rhombosoma, 554
 Rhomurus, 568
 Rhonchus, 496
 Rhonciscus, 472
 Rhothœca, 432
 Rhyaciichthys, 492
 Rhycherus, 526
 Rhymodus, 423
 Rhynchias, 482
 Rhynchobatus, 573
 Rhynchocypris, 446
 Rhynechorhinus, 496
 Rhythmias, 571
 Ribeiroa, 564, 571
 Ricuzenius, 509
 Rimicola, 472
 Rissola, 475
 Rixator, 571
 Rogadius, 528
 Rogenio, 525
 Rogenites, 568
 Rondeletia, 465
 Ronquilus, 469
 Rooseveltia, 519
 Rooseveltiella, 556
 Rosanthias, 563
 Rosicola, 474
 Rudarius, 498
 Runula, 447
 Runulops, 536
 Ruscarius, 469
 Rusciculus, 493
 Rusulus, 541
 Saccogaster, 444
 Saccostoma, 421
 Sacura, 536
 Safole, 543, 575
 Sagamia, 494
 Sagenichthys, 466
 Salarigobius, 462
 Salema, 472
 Sabilota, 437
 Salmothymus, 527
 Samariscus, 513
 Sardina, 512
 Sargacentron, 507
 Sargochromis, 572
 Sarritor, 474
 Satsuma, 520
 Sauromurænesox, 444
 Saurorhynchus, 459
 Sauvagea, 519
 Sayonara, 518
 Scapanorhynchus, 449
 Scaphesthes, 570
 Scaphiodonichthys, 448
 Scaphiodontella, 572
 Scaphodus, 453
 Scaridea, 493
 Scaroides, 534
 Scartella, 435
 Scartes, 475
 Scartichthys, 481
 Scartomyzon, 548
 Scaumenacia, 463
 Sceletophorus, 464
 Schedophilopsis, 417
 Schismatogobius, 542
 Schizochirus, 511
 Schizocypris, 554
 Schizodontopsis, 451
 Schizopondylus, 498
 Schmidtia, 509
 Schmidtina, 510
 Schubotzia, 552
 Sciadeoides, 440
 Sciadonus, 486
 Scianectes, 450
 Scidorhombus, 558
 Sclerocottus, 431
 Scleromystax, 565
 Scleronema, 563
 Scleropteryx, 465
 Sclerorhynchus, 449
 Scolenechelys, 477
 Scolopacichthys, 555
 Scomberessus, 571
 Scombramphodon, 496
 Scombrinus, 496
 Scombroypris, 446
 Scombroopsis, 447
 Scopelarchus, 470
 Scopeloberyx, 541
 Scopelogadus, 444
 Scopelogenys, 449
 Scopeloides, 436
 Scorpenoides, 487
 Scorpis, 573
 Scutica, 473
 Scuticaria, 494
 Scylliogaleus, 497
 Scytalichthys, 458
 Scytaliscus, 424
 Sealeina, 523
 Sebastavus, 569
 Sebastella, 565
 Sebastinus, 571
 Sebastiscus, 509
 Sebastoessus, 571
 Sebastolobus, 415
 Sebastosemus, 513
 Sectors, 462
 Selachophidium, 503
 Selenanthias, 565, 570
 Semitapicis, 446
 Serranellus, 452
 Serranochromis, 572
 Serranops, 554
 Serraria, 428
 Serrivomer, 424
 Sicya, 474
 Sicyosus, 482
 Sierra, 512
 Sigmistes, 582
 Sigmops, 424
 Sigmurus, 481
 Signalosa, 480
 Simochromis, 479
 Simopias, 513

- Siphamia, 534
 Siphateles, 421
 Skiffia, 500
 Sladenia, 530
 Slatinia, 521
 Smithites, 568
 Snyderidia, 513
 Snyderina, 495
 Socnopæa, 511
 Solenodon, 416
 Soleonassus, 543
 Sosia, 500
 Spaniolepis, 514
 Sparosoma, 425
 Sparosomus, 461
 Spathiurus, 431
 Spathodus, 488
 Spectrunculus, 553
 Sphenanthias, 551
 Sphenophorus, 447
 Sphyrænocharax, 523
 Spilotichthys, 508
 Spinacites, 461
 Spinibarbus, 570
 Spinivomer, 424
 Spintherobolus, 538
 Spiraxis, 434
 Spirinchus, 473
 Spirlingus, 450
 Squaliolus, 546
 Squalogadus, 559
 Squalomugil, 529
 Stalix, 499
 Stappersia, 552
 Starksia, 472
 Starksina, 523
 Stathmonotus, 430
 Steatocranus, 485
 Steatogenys, 479
 Stegostoma, 573
 Steindachnerella, 476
 Steindachneria Eig., 440
 Steindachneria G.&B., 441
 Steindachneridion, 566
 Steindachnerina, 518
 Steinegeria, 435
 Stelgidonotus, 513
 Stelgis, 469
 Stelgistrum, 481
 Stellerina, 474
 Stellicarens, 481
 Stemmatias, 486
 Stemonidium, 513
 Stenesthes, 562
 Stenobranchius, 450
 Stenocaulus, 529
 Stenognathus, 479
 Stenopropoma, 503
 Stenopteroodus, 425
 Stephanoberyx, 424
 Sternarchella, 512
 Sternarchogiton, 512
 Sternarchorhamphus, 512
 Sternoptychides, 448
 Stethacanthus, 447
 Stethopristes, 513
 Stichonodon, 502
 Stilbiscus, 442
 Stiphodon, 470, 542
 Stlengis, 509
 Stolothrissa, 563
 Stomatorhinus, 478
 Stoniella, 553
 Strophidon, 574
 Styلودus, 421
 Stylophthalmus, 497, 517
 Stypodon, 415
 Styptobasis, 454
 Sufflamen, 559
 Suruga, 494
 Swainia, 474
 Syletor, 567
 Symmorium, 460
 Symphysoglyphus, 551
 Sympodoichthys, 441
 Symproptoperus, 430
 Synagrops, 437
 Synchronus, 444
 Synechodus, 444
 Syntegomodus, 490
 Synthetodus, 476
 Tæniodus, 425
 Tæniomembras, 483
 Tænionema, 522
 Tæniopsetta, 513
 Taius, 544
 Talismania, 467
 Tamiobatis, 476
 Tanakia, 553
 Tanakius, 564
 Tannavia, 564
 Tarandichthys, 472
 Tarletonbeania, 454
 Tarphos, 553
 Tarpon, 473
 Tarrasius, 418
 Tarsistes, 567
 Tathicarpus, 526
 Tatia, 545
 Tauredophidium, 449
 Taurocottus, 557
 Taurulus, 524
 Tegeolepis, 458
 Teleogramma, 485
 Telescopias, 495
 Telmatherina, 476
 Telmatochromis, 479
 Temeculina, 532
 Teratichthys, 419
 Teratorhombus, 416
 Tetracentrum, 425
 Tetransodon, 551
 Tetronarcine, 531
 Thalassothia, 466
 Tharrhias, 528
 Thaumastomias, 449
 Thaumatchthys, 546
 Thayeria, 527
 Thecopterus, 511
 Theragra, 481
 Therobromus, 482
 Thoburnia, 562
 Thoracocharax, 523
 Thoracodus, 422
 Thorichthys, 510
 Thrissoeles, 562
 Thrissoimimus, 539
 Thrissopteroideus, 484
 Thryptodus, 490
 Thursius, 443
 Thymalloides, 527
 Thyrina, 468
 Thyrinops, 564
 Thyrsiscus, 543
 Thyrsion, 571
 Thyrsocles, 571
 Thysanichthys, 509
 Thysanocara, 520
 Thysanophrys, 483
 Tilapia, 574
 Tilesina, 511
 Tilodon, 417
 Tilurella, 541
 Tiluroopsis, 541
 Tirodon, 419
 Titanichthys Newb., 433

- Titanichthys Dames, 437
 Toeichthys, 564
 Todarus, 471
 Toledia, 557
 Tolyaspis, 462
 Tomeurus, 533
 Tomocichla, 530
 Tomodus, 422
 Torrentaria, 474
 Torresia, 431
 Tosana, 520
 Toxoprion, 536
 Toxus, 501
 Trachichthodes, 503
 Trachichthyoidea, 501
 Trachonurus, 437
 Trachosteus, 447
 Trachycephalus, 427
 Trachyglanis, 496
 Trachystoma, 438
 Traquairia, 460
 Trematocara, 485
 Trianectes, 564
 Triareus, 537
 Tribolodon, 425
 Trichocottus, 557
 Trichopharynx, 483
 Trichophryne, 564
 Trichopsetta, 601
 Trichostomias, 541
 Tridens, 446
 Trifissus, 490
 Trigrammus, 524
 Trimma, 519
 Triplophos, 497
 Tripterophycis, 497, 501,
 Trismegistus, 508
 Trissolepis, 460
 Triurobrycon, 532
 Troglichthys, 485
 Trogloglanis, 566
 Tropheus, 479
 Tropidocaulus, 569
 Tropidostethus, 469
 Trycherodon, 420
 Trygonorrhina, 574
 Trypauchenophrys, 535
 Trypauchenopsis, 506
 Tubulacanthus, 446
 Tunita, 569
 Turio, 571
 Twingonia, 529
 Tydemania, 551
 Tylobranchus, 542
 Tylochromis, 572
 Tylodus, 462
 Tympanopleura, 542
 Typhlobagrus, 526, 564
 Typhlonarke, 534
 Typhlopsaras, 423
 Tyttocharax, 548
 Ulama, 468
 Ulca, 472
 Ulua, 528
 Ulvaria, 475
 Ulvicola, 477
 Unagius, 567
 Urenchelys, 491
 Urinophilus, 563
 Urobatis, 548
 Urocles, 567
 Uropteryx, 457
 Usinosita, 490
 Ussuria, 510
 Vailima, 519
 Vaillantella, 512
 Vaillantoonia, 455
 Vaimosa, 519
 Valenciennellus, 468
 Vaticanodus, 425
 Vegetichthys, 565
 Velifracta, 524
 Vellitor, 509
 Venefica, 458
 Ventrifossa, 570
 Veræqua, 509
 Verasper, 481
 Verater, 567
 Verecundum, 452
 Verma, 473
 Verreo, 499
 Verriculus, 404
 Vesicatruss, 538
 Vaternio, 511
 Vexillicarax, 512
 Vidalia, 506
 Vigil, 567
 Villarius, 476
 Vinciguerra, 468
 Vinctifer, 570
 Vinculum, 554
 Vireosa, 494
 Vitraria, 504
 Vitreola, 519
 Vulpecula, 548
 Vulsiculus, 475
 Waitea, 519
 Waiteina, 523
 Watasea, 494
 Winteria, 492
 Yarrella, 467
 Yoza, 495
 Yuriria, 473
 Xantocles, 562
 Xenanthias, 529
 Xenatherina, 526
 Xenendum, 487
 Xenentodon, 540
 Xeneretmus, 504
 Xenesthes, 524
 Xenisthmus, 531
 Xenistius, 420
 Xenobythites, 549
 Xenocara, 510
 Xenochirus, 457
 Xenochromis, 485
 Xenocoonger, 545
 Xenocys, 447
 Xenodus, 458
 Xenognathus, 556
 Xenogramma, 511
 Xenomystax, 454
 Xenophilis, 431
 Xenopæcilus, 540
 Xenopomatichthys, 534
 Xenopomichthys, 515
 Xenorhynchichthys, 530
 Xenoscarus, 562
 Xenotilapia, 485
 Xenurocharax, 550
 Xerpes, 469
 Xesurus, 473
 Xiliphius, 543
 Xiphistes, 469
 Xiphocharax, 553
 Xyne, 568
 Xyrauchen, 443
 Xyrias, 494
 Xyrinius, 569
 Xyrocharax, 547
 Xyryla, 452
 Xystes, 469
 Xystæma, 468
 Xystodus, 536
 Xystramia, 562
 Xystroperca, 474

- Xystrosus, 487
Zacalles, 499
Zacco, 498
Zaclemus, 472, 473
Zalarges, 469
Zalembius, 473
Zalises, 494
Zalocys, 482
Zalypnus, 474
Zameus, 504
Zanclistius, 524
Zanobatus, 548
Zanteclites, 568
Zaphleges, 571
Zaphotias, 482
Zaprora, 472
Zastomias, 556
Zebrias, 490
Zelosis, 571
Zen, 504
Zenion, 473
Zesticelus, 474
Zestidium, 481
Zestis, 481
Zezeza, 505
Zoarchias, 499
Zoarcites, 555
Zonoscion, 472
Zoogoneticus, 500
Zoramia, 562
Zororhombus, 571
Zunasia, 548
Zungaropsis, 531
Zygogaster, 547

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