

The genera of fishes ... : A contribution to the stability of scientific nomenclature / by David Starr Jordan.

Contributors

Jordan, David Starr, 1851-1931.
Evermann, Barton Warren, 1853-1932.

Publication/Creation

Stanford University, Calif. : The University, 1917-1920.

Persistent URL

<https://wellcomecollection.org/works/xtj9zmxr>

License and attribution

This work has been identified as being free of known restrictions under copyright law, including all related and neighbouring rights and is being made available under the Creative Commons, Public Domain Mark.

You can copy, modify, distribute and perform the work, even for commercial purposes, without asking permission.



Wellcome Collection
183 Euston Road
London NW1 2BE UK
T +44 (0)20 7611 8722
E library@wellcomecollection.org
<https://wellcomecollection.org>

THE PROPERTY OF
THE HERBERT MUSEUM
OF SCIENTIFIC RESEARCH

LELAND STANFORD JUNIOR UNIVERSITY PUBLICATIONS
UNIVERSITY SERIES

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
PUBLISHED BY THE UNIVERSITY

1919

UNIVERSITY SERIES

- INHERITANCE IN SILKWORMS, I. Vernon Lyman Kellogg, Professor of Entomology. 89 pp., 4 plates. 1908. Price \$1.00.
- THE OPISTHOBRANCHIATE MOLLUSCA OF THE BRANNER-AGASSIZ EXPEDITION TO BRAZIL. Frank Mace McFarland, Professor of Histology. 105 pp., 19 plates. 1909. Price \$1.00.
- A STUDY OF THE NORMAL CONSTITUENTS OF THE POTABLE WATER OF THE SAN FRANCISCO PENINSULA. John Pearce Mitchell, Assistant Professor of Chemistry. 70 pp., 1 map. 1910. Price 50c.
- SYNOPSIS OF THE TRUE CRABS (BRACHYURA) OF MONTEREY BAY, CALIFORNIA. Frank Walter Weymouth. 64 pp., 14 plates. 1910. Price 50c.
- THE OSTEOLOGY OF CERTAIN SCOMBROID FISHES. Edwin Chapin Starks, Assistant Professor of Zoology. 49 pp., 2 plates, 1 text figure. 1911. Price 50c.
- A PHYSICAL THEORY OF ELECTRIFICATION. Fernando Sanford, Professor of Physics. 69 pp., 2 plates. 1911. Price 50c.
- THE MATZKE MEMORIAL VOLUME. Papers by John Ernst Matzke, late Professor of Romanic Languages, and Thirteen Colleagues. 162 pp. 1911. Price \$1.00.
- DAS HISTORISCHE PRÄSENS IN DER ÄLTEREN DEUTSCHEN SPRACHE. Bruno Boezinger, Assistant Professor of Germanic Languages. 91 pp. 1912. Price 50c.
- THE EFFECT OF A STRICTLY VEGETABLE DIET ON THE SPONTANEOUS ACTIVITY, THE RATE OF GROWTH, AND THE LONGEVITY OF THE ALBINO RAT. James Rollin Slonaker, Assistant Professor of Physiology. 36 pp., 1 plate, 15 text figures. 1912. Price 50c.
- 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.
- THE BIRDS OF THE LATIN POETS. Ernest Whitney Martin, Associate Professor of Greek. 260 pp. 1914. Price \$1.00.
- ACCELERATION IN THE DEVELOPMENT OF THE FOSSIL CEPHALOPODA. James Perrin Smith, Professor of Paleontology. 30 pp., 15 plates. 1914. Price 75c.
- 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 ANOELURA 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.)



22900374370

Med
K6322

Y. 4

LELAND STANFORD JUNIOR UNIVERSITY PUBLICATIONS
UNIVERSITY SERIES

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
PUBLISHED BY THE UNIVERSITY
1919

95400

17386154

23184

STANFORD UNIVERSITY
PRESS

WELLCOME INSTITUTE LIBRARY	
Coll.	weIMOmec
Call No.	QL

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.

Balantiocheilos 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 *LOBSCHEILOS PLEUROTÆNIA* 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. LÆVIS* 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 SEMILOTUS* McCl.

Opistocheilus Bleeker, 425; orthotype *O. PROPIUS* Blkr. = *SCHIZOTHORAX PLAGIOSTOMUS* Heckel. A synonym of *SCHIZOTHORAX* Heckel.

Pseudogobio Bleeker, 425; orthotype *GOBIO ESOCINUS* 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.
Rohteichthys Bleeker, 431; orthotype *R. MICROLEPIS* Blkr.
Pseudophoxinus Bleeker, 431; orthotype *PHOXINELLUS ZEREKI* Heckel.
Barbodes Bleeker, 431; orthotype *SYSTEMUS BELINKA* McCl.
Anematchthys 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.
Trinematchthys 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 Salarinae 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.
Pimelotopis 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 Gobinae and Tridentigerinae*. 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 *XIPHIIDION*, 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 *AMMO-CETES 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.

Neoconger 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. TÆNIOPHORUS* 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.

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

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

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

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

Tephreops 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 *CENOTROPUS* Gthr., 1864.

Rhytiodus Kner, XVII, 165; logotype *R. MICROLEPIS* Kner.

Centrophorus Kner, XVII, 167; orthotype *PAEIODON MICRIPS* Kner. Name preoccupied in sharks. Intended as a substitute for *PAEIODON*, 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 Voirons*. 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. SABAUDIANUS* 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. TROSCHELI* 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.

- Scorpænopterus** 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 *BROSMOPHYCIS* 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 *CHÆRODON* 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. HYPOPTHALMUS* 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 Borneo*. 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 *GOBIOUS 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 *LIMNURGUS* 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.

Sciænoides 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. BERDMOREI* 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 *DATINIODES* 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 *URANOSCOPUS ANOPLOS* Cuv. & Val. (young of *U. Y-GRÆCUM* Cuv. & Val.).

Palinurichthys Gill, 20 (Jan., 1860); orthotype *CORYPHÆNA 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.

Malaccoctenus 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 (Artedi) 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 *CORYPHÆNA PERCIFORMIS* Mitchill. 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 *CONGERMURÆNA HABENATA*): Corresponds to *CONGERMURÆNA* as restricted by Ogilby, not of Bleeker.
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. = (*HEROS* 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 Chatodontidæ*. Wieg. Archiv. Naturg., XXVI, pt. I, 133-156.
 JOHANN JACOB KAUP.
Citharædus 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 *Palæontographica*, XI, 67, 1863. Name preoccupied. An ally of *THYELLINA*.

699. MOLIN (1860). *Primitivæ Musei 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. OCLATUS* 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 TALASICA* 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 SCOULERI* 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. TROSCHER (1860). *Leptopterygius, neue Gattung der Discoboli*. Arch. Naturg. XXVI, 1.
FRANZ HERMANN TROSCHER.

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.

Homæolepis 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 Sauropsis 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. PŒCILOIDES* 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 (Artedi) 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 (Brevoort) 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*.

Hypleurochilus Gill, 44; logotype *BLENNIUS MULTIFILIS* Grd. = *BLENNIUS GEMINATUS* Wood.

Dormitator Gill, 44; orthotype *ELEOTRIS SOMNOLENTUS* Grd. = *SCIÆNA 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 ZYGÆNA 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 Clupeinae*, 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 Percinae*. 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 *AMBLDON SATURNUS* Grd.

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

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

THEODORE GILL.

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

Anomiolepis 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 *AMBLDON 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.
Parephippus Gill, 165; orthotype *EPHIPPIUS ZONATUS* Grd. A synonym of *CHÆTO-DIPTERUS* Lac.
Hypsypops Gill, 165; orthotype *GLYPHISODON RUBICUNDUS* Girard.
Sebastodes Gill, 165; orthotype *SEBASTES PAUCISPINIS* Ayres.
Acantholebius Gill, 166; orthotype *CHIROPSIS 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.
Brosomphycis 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 SCHRÆTZER* 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 ESX* 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 GLAUC* 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.

Parascyllium 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 ichthyologiae 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 APHANIUS 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.

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

Acronurus (Gronow) Günther, II, 345; logotype ACANTHURUS ARGENTEUS 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.

Cremnobates 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 Jeitteles, 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. Tidskr. 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. Reale 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.

Hollardia 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. ISABELLÆ* 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 HEXATÆNIA* Blkr.

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

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

PlatyGLOSSUS (Klein) Bleeker, 99; orthotype *HALICHTERES 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. TÆNIATUS* 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 LÆVIUSCULA* 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 *OXYDORAS D'ORBIGNYI* (Kröyer). A synonym of *OXYDORAS*.

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.

Astroodoras 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.

Hemisynodontis 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.
Leiarius Bleeker, 10; orthotype *A. LONGIBARBIS* 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.
Psudogeneiosus Bleeker, 14; orthotype *AGENEIOSUS 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.
Catastoma (Kuhl & Van Hasselt) Bleeker, 28; orthotype *ARIUS NASUTUS* Val.
 An undefined synonym of *NETUMA* Blkr.

762. BLEEKER (1862). *Beskrivning 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*. I.
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 Hemilepidotus 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 Argentininæ*. 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 Percinæ*. 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 Sciaenoids of California*. Proc. Acad. Nat. Sci.
Phila., I.
Cirrimens Gill, 17; orthotype *UMBRINA 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 *CYNOSCION* 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 *CIRRHITICH-*
THYS Blkr.
Dactylosargus Gill, 110; orthotype *APLOPODACTYLUS ARCIDENS* Rich.
Crinodus Gill, 112; orthotype *HAPLODACTYLUS LOPHODON* Gthr.
Acantholatrtris Gill, 114; orthotype *CHÆTODON 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.

Dactylosparus 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 Scombroidea*. 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.

Thyrstitops Gill, 125; orthotype **THYRSITES LEPIDOPIDES** 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 ANGUILLIOIDES** 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.

Chærojulius Gill, 142; orthotype **JULIS SEMICINCTUS** Ayres. A substitute for **HALICHÆRES** Rüppell, preoccupied by **HALICHÆRUS**; a synonym of **HEMIULIS** Sw., as restricted by Bonaparte.

Iniistius Gill, 143; orthotype **XIRICHTHYS FAVO** Cuv. & Val.

Malacocentrus Gill, 143; orthotype **XIRICHTHYS TÆNIURUS** 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 AURORUBENS* 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 OLFA* 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.
Orycnus 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 Pelta* 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.

Remilegia 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 *GوبيUS 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.

Genytremus 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.

Evipigymnus 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 *GوبيUS 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 CRYOS* Mitchill. A section under *CARANX*.

Caularchus Gill, 330; orthotype *LEPADOGASTER RETICULATUS* Grd. (*GOBIESOX 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.

Hypsopsetta 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.

Gyroleurodus 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.

Naucratis 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 *GLYPHIDODON 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.

Pseudetroplus (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 MOGKII* 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. GÜNTHERI* 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 Oreton 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).
- Deltptychius** (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. Morel. 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 *SERIOLOCHTHYS* 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.

Pseudolithus 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 *LOBOCHEILOUS 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 *ACANTHOBRAHA MARMID* Heckel. A synonym of *ACANTHOBRAHA* 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.

Eurypegus 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 Cyprinoides*. 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. NAPOLEON 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). (*Platygio*.) Trans. Am. Philos. Soc., V.

THEODORE GILL.

Platygio 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 (Chænopsis) 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 Scianoid 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 *KUHLIA* 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.

Halieutichthys (Poey) Gill, 90; orthotype *H. RETICULATUS* Poey = *LOPHIUS ACULEATUS* Mitchill.

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 KUHLI* 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.

Pomatapryon Gill 216; orthotype *HYPSPOPS 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 *COSSYPHUS AXILLARIS* Cuv. & Val.
Euphysocara Gill, 222; orthotype *COSSYPHUS ANTHIOIDES* Gthr.
Gymnopropoma Gill, 222; orthotype *COSSYPHUS BILUNULATUS* Cuv. & Val. A synonym of *LEPIDAPLOIS* Gill.
Achærodon 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 *HALICHÆRES 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 Lycodidæ.* 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 *BRACHYOCHIRUS* 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 gobioides** 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 auctupatorius** Rich. A synonym of **SCARTELAOS** Sw.

827. GILL (1863). *Note on the Genera of Hemirhamphinae*. 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. argenteus** 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 Tertiärschichten von Comen und Podsed*. 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 MACROPHTHALMA* 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 OPISHTOPTERUS* 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*. Paläontographica, 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.

Palæolycus 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**.

- Microcoelia** 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. SCHAFFHÄUTL (1863). *Südbayerns Lethæa Geognostica*.
 K. E. SCHAFFHÄUTL (1803-1890).
Diaphyodus Schaffhäutl, 246; orthotype *D. ovalis* Schaffhäutl (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 Sciænoiden Brasiliens*
mit der Cyprinodonten Mexicos. Sitz. Akad. Wiss. Wien, XLVIII.
 FRANZ STEINDACHNER.
Diplolepis Steindachner, 2; orthotype *SCIÆNA SQUAMOSISSIMA* Heckel. Name pre-
 occupied; a synonym of *PLAGIOSCION* Gill.
Pæcilodes Steindachner, XLVIII, 176; orthotype *P. BIMACULATUS* Steind. Syno-
 nym of *PSEUDOXIPHOPHORUS* Blkr.

843. WAGNER (1863). *Monographie der fossilen Fische aus den lithographischen Schiefer 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 *IONOSCOPIUS*.

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. CŒLOLEPIS* 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 DECANDOLLI* Risso.

848. COCCHI (1864). *Monografia dei Pharyngodopilidæ 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 *IONOSCOPUS PETRAROLÆ* Costa (fossil).
 Name a (needless?) substitute for *IONOSCOPUS*.
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 Echeneidoidæ.* 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 LÆVIS* = *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.

Hypsopsetta 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 *OXYBELES LUMBRICOIDES* Blkr.

861. GILL (1864). *Note on the Family of Stichæoids*. Proc. Acad. Nat. Sci. Phila., XVI.

Anisarchus Gill, 210; orthotype *CLINUS MEDIUS* Reinh.

Eumesogrammus Gill, 210; orthotype *CLINUS PRÆCISUS* 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* Gottsche.

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 *SCYMNUS BRASILIENSIS* Q. & G.

Euprotomicrus Gill, 264; orthotype *SCYMNUS LABORDEI* M. & H.

Rhinoscymnus Gill, 264; orthotype *SCYMNUS 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 higginsii) Probably Indicating a New Group of Echinodermata.* Proc. Zool. Soc. London.
 JOHN EDWARD GRAY.
Myriosteon Gray; orthotype **M. HIGGINSII** 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 **RHAMDIA**.
Eucliptosternum 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 **PARADIPOMYSTES** 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.
- Hemibrycon** 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. MARËNA** 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.

GHENNADI 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 *FLUVIDRACO* 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-archipélaiques de l'ordre des Murènes*. Neder. Tijdschr. Dierk., II, 1865, 55-62.

PIETER BLEEKER.

Brachyconger Bleeker, II, 236; orthotype *MURÆNA 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.

Tetradès 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 *HALICHÆRES* Rüppell (*HEMIULIS* 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 *SOLENOTHYS* to *SOLENOTOMATICHTHS*.

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 *DIDON HYSTRIX* L., the name *DIDON* being transferred to *DIDON ATINGA*, the first species named by Linnæus. A synonym of *DIDON* 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 *DIDON 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 SCALERATUS* 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 Cyprinidæ*. Proc. Acad. Nat. Sci. Phila.

EDWARD DRINKER COPE.

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

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

ORONZIO GABRIELE COSTA.

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

Andreioleura 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. AGRENSIS* 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 Aetobatis*. 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.

Thysanoecheilus Kner, I, 185; orthotype *T. ORNATUS* Kner, not *THYSANOCHILUS* Philippi, 1857.

Leius Kner, 186; orthotype *L. FEROX* 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 *PSEUDORASBORA* Blkr.

907. KNER (1865). *Psolidostoma, eine neue Characinengattung aus dem Weissen Nil.* Sitzb. Akad. Wiss. Wien. L.

RUDOLPH KNER.

Psolidostoma 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 Liroy, VIII, 113; orthotype *U. PLATYRHACHIS* Liroy (fossil).

Alopiopsis Liroy, VIII, 403; orthotype *A. PLEJODON* Leidy (*GALEUS CUVIERI* Ag.) (fossil). A synonym of *PROTOGALEUS* and *SCOLIODON*.

Ptericephalina Liroy, 414; orthotype *CLUPEA LEPTOSTEA* Ag. (fossil). An ally of *SPRATELLA* Val. (the sprat).

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

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 (Stereodus) . . . 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. LÆVISSIMUS EX TERREO RUFESCENS* Klein = *TETRAODON SPENGLERI* Bloch. Probably a synonym of *TETRAODON*, but Bleeker regards it as a species of *OVOIDES* 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 *EXOCÆTUS 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".

Jenynsia 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 Zancle 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. Cæsar 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 MELANOTÆNIA 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 Marck, 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.

Tripteronodon Playfair, 42; orthotype *T. ORBIS* Playfair.937. REINHARDT (1866). *Om trende formentligt ubeskrevne Fisk af Characinerne 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. Edinburg, 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 unternommene 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 Landesstreuiche.* 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 INTER-MEDIUS* 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 Cyprinidae 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 *HIPPOGLOSSUS 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* = **ALEPISSAURUS** **ÆSCULAPIUS** Bean. Revival of an old name which may be untenable as mononomial 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.

Notograpus 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 *SALARIICHTHYS* 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 Spinacidæ 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. TENUISTRIATUS* 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 Krefft, 943; orthotype *M. LUNATUS* Krefft (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 *CALLOPRISTODUS* 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 Fisico-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 Fisico-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 *ISCHYDODUS* 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.

Valenciennea 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 la 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.

Tetragonopterus (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 Strehlen*. 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** (= **AUOLEPIS**).

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

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.

Helirolepis (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*."

Ptychrolepis (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 MELANOPLEURA* 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 *SYSTEMUS 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 *RAIAMAS* Jordan, 1919. "RAJAH MAS" is the angler's name for the type-species in India.
Schacra 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.
Lycothrissa Günther, VII, 385; orthotype *ENGRAULIS CROCODYLUS* Blkr.
Telara Günther, VII, 385; tautotype *CLUPEA TELARA* Ham. A synonym of *SETIPINNA* Sw.
Pellonula Günther, VII, 452; orthotype *P. VORAX* Gthr.
Chirocentrodon Günther, VII, 463; orthotype *C. TÆNIATUS* 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. AMBLYOPINUS* 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 SEXFASCIATA* 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 = *APSIUS DENTATUS* Guich.

Brachygenys (Scudder) Poey, 310; orthotype *HÆMULON TÆNIATUM* Poey.

1000. SCHIÖDTE (1868). *Om stillings udvikling 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 *PLATOPHRYS* 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'Amerrique.* 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 *AETOBATUS*.

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. CHIMÆROIDES* Gervais (fossil). Not *DIPRISTIS* Marsh of the same date, also a *CHIMÆROID* 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 *Hæmulon 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.

Stethapriion 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. NAHUNTICUS* 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.

Parapegasus (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 AEUOREUS* 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 ARTEDII* 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 *HELMINTHOSTOMA 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 *EPHIPPIUM*.**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 *TRIENODON 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.

- Gymnocranus** 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 *GRYPONDON* 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-Levu*. 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 *ENCHEIZIPHIUS TERETIROSTRIS* Rütimeyer (fossil). Name twice preoccupied; same as *ENCHEIZIPHIUS*.

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.
- Ailiichthys** Day, 712; orthotype *A. PUNCTATA* Day.
1049. DELFORTRIE (1871). *Les broyeurs (Cestraciontes) du tertiaire aquitainien.* Acad. Soc. Linn. Bordeaux, XXVIII.
EUGÈNE DELFORTRIE.
- Gymnodus** Delfortrie, XXVIII, 232; orthotype *G. HETERODON* Delfortrie (fossil). An extinct analogue of *DIDON*.
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. UNITÆNIATUS* 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 *OXYURICHTHYS* 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*.
- Palanarrichas** 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). *Oneirodes eschrichtii* Ltk., en ny grønlandsk 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 fauna 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 ARGYROTAENIA* 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. howittii* 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 Ambyiacu 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 *PHENACOBIVUS* 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* (*fide* 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 *PROTOSPHYRÆNA* 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. DITMARII* 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 *HETERODONTUS* 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 salmoneus 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 tæniolatus, Mugil meyeri) from Celebes.* Ann. Mag. Nat. Hist., 1872, IV, ser. 9, 438-440.

ALBERT GÜNTHER.

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

1076. HANCOCK & ATTHEY (1872). *Descriptive Notes on a Nearly Entire Specimen of Pleurodus . . . 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. ARGENTEUS** 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 **NEOTEPHREOPS** Castelnau, and a little earlier; both apparently synonyms of **MELAMBAPHES** Gthr.

DinoIestes Klunzinger, 29; orthotype **D. MUELLERI** Klunzinger; replaces **LANIOPERCA** and **NEOSPHYRENA**, both a little later in the same year.

1080. **PETERS** (1872). *Ueber eine neue Gattung von Fischen aus der Familie der Cataphracti Cuv., Scombrocottus salmonus, 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 **ANOPLOPOMA** 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 **IONOSCOPIUS** 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 BRUXEL- LIENSE** 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 Anthianini*. Neder. Tijdschr. Dierk., IV, 1872, 155-169.

PIETER BLEEKER.

Pseudanthias Bleeker, 158; orthotype **ANTHIAS PLEUROTÆNIA** 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 **MELANO- TÆNIA** Gill.

Ellerya Castelnau, II, 95; orthotype **E. UNICOLOR** Castelnau. A synonym of **GOBIODON** Kuhl & Van Hasselt.

Neomyrpristis Castelnau, II, 98; orthotype **N. AMÆNUS** 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.

Bleeckeria 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 *CÆLACANTHUS* 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-).

Leirolepis 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 Südsee*. 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. TÆNIA* 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 Triglidae, 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 sericeus 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. CONIDENS* 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; logotype *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. HENRI ÉMILE SAUVAGE.

Sebastopsis Sauvage, V, 1; orthotype *SEBASTES MINUTUS* Cuv. Identical with the earlier *SEBASTOPSIS* Gill, both being synonyms of *SCORPÆNODES* 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 *ACANTHONOTOS* 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'Etheostomatidae*. 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.

Astaticthys 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 *HEXAGRAMMUS* 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.

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

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

The names *VALENCIENNEA*, *VALENCIENNESA*, and *ELEOTRIODES* have been confused by Bleeker. *VALENCIENNEA* appeared (1868) without diagnosis, with mention only of *ELEOTRIS HASSELTII* 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 *VALENCIENNESA* appears also without explanation, in connection with *ELEOTRIS STRIGATA* Blkr. Meanwhile, the name *ELEOTRIODES* had been given in 1857, in the same way, without diagnosis, to *ELEOTRIS SENGUTTATA* Cuv. & Val. In 1874 Bleeker makes *ELEOTRIODES* a synonym of *VALENCIENNESA*, with *E. STRIGATA* as type, and still later in 1874, in his *Esquisse Général*, *ELEOTRIODES* 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 (*HASSELTII*), is distinct from *ELEOTRIODES*, 1857 (*SENGUTTATA*), is quite probable.

Eleotriodes Bleeker IX, 307; orthotype *E. HELSDINGENI* Blkr. (not *ELEOTRIODES* 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 *TRLENOPHORICHTHYS BARBATUS* Gthr.

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

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

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

Callogobius Bleeker, IX, 315; orthotype *ELEOTRIS HASSELTII* 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 *OPLOPOMUS* Steind., not *OPLOPOMA* 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 **Synancia astroblepa** Rich. In this paper Bleeker cancels his earlier genus **Synanceichthys** (**verrucosa**), regarding it as intergrading with **Synanceja** (**horrida**). But the two seem fairly separable. The earliest subdivision of **Synanceja**, that of Müller in 1843, leaves **verrucosa** as the type of **Synanceja**, **S. horrida** 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. JANEVAIL* 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 *THRISOMIMUS* 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* Güich. = *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 Seale (1906).

Heteroleuciscus Sauvage, 339; orthotype *H. JULLIENI* Sauvage.

1134. SAUVAGE (1874). *Révision des espèces du groupe des Épinoches.* Nouv. Arch. Mus., X, 5-32.

HENRI ÉMILE SAUVAGE.

Gasterosteia Sauvage, 7; orthotype *GASTEROSTEUS PUNGITIUS* L. A synonym of *PYGOSTEUS* Brevoort (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 Parascorpis et du son espèce-type*. Arch. Néerl. Sci. Nat., X, 1875, X, 380-382.

PIETER BLEEKER.

Parascorpis 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.

Neomesoprion 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.

Dampiera Castelnau, 30; orthotype *D. LINEATA* Castelnau; replaces *CICHLIPS* M. & T., preoccupied; same as *LABRACINUS* (Schlegel) Blkr., of slightly later date.

Neoatherina 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 *NOTOGAPTUS* 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.

Diphriassa 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 preoccupied, 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, Dibranchus, aus dem atlantischen Ocean*, etc. Monatsb. Akad. Wiss. Berlin, 1875 (1876), 736-742.

WILHELM CARL HARTWIG PETERS.

Dibranchus 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.

Phæbodus St. John & Worthen, 251; orthotype *P. SOPHILÆ* 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. EXSCULPTUS* St. John & Worthen (fossil).

Agassizodus St. John & Worthen, 311; orthotype *LOPHODUS VARIABILIS* St. John & Worthen (fossil). Substitute for *LOPHODUS* Newberry & Worthen, preoccupied. 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 *Cæsius gymnopterus* Blkr.

Pterocæsius Bleeker, 153; orthotype *Cæsius multiradiatus* Steind.

Liocæsius Blkr., 153; orthotype *Cæsius 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 *Pseudochromis 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 *Urophæton* Sw.)

Percamia Bleeker, 260; orthotype *Microperca yarræ* Castelnau, substitute for *Microperca* Castelnau, preoccupied by *Microperca* Putnam 1863.

Telescopis 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.
- Tetragonopterus** (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 *CICHLIPS CYCLOPHthalmus* M. & T. Same as *CICHLIPS* 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.
- Cirriiptera** (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 *PRIACANTHUS* 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.

PIETER BLEEKER.

Paroxyurichthys Bleeker, 140; orthotype *P. typus* Blkr.

1165. BLEEKER (1876). *Genera familiae Scorpaenoideorum 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. Probably 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 Chaetodontoides 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 *GNATHANACANTHUS* 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* Mitchill.

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.

Eutychelithus 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 AMELOPS* Raf. A synonym of *HYBOPSIS* Ag.

Lythrurus Jordan, 272; orthotype "*SEMOTILUS DIPLEMIUS* Raf." = *ALBURNUS UMBRATILIS* Grd. = *NOTROPIS LYTHRURUS* Jordan. *S. DIPLEMIUS* 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 *MYXODES 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. MAGNILABRUS* 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. siemionovi* Dybowski = *LEUCISCUS IDELLA* Val. A synonym of *CTENOPHARYNGODON* Steind.

Perccottus Dybowski, VIII, 28; orthotype *P. glenii* Dybowski (a goby; allied to *Gobiomorus* Lac.)

1200. FRITSCH (1877). *Die Reptilien und Fische der Böhmischen Kreideformation.* Prag.

ANTON JAN FRITSCH.

Sphaerolepis 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-).

Malacorhina 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.

Bathyrhissa 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 *BATHYTHRIS* 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* Mitchell. A section under *LEPOMIS*.

1209. JORDAN (1877). *Notes on Cottidæ, Etheostomatidæ, Percidæ, Centrarchidæ, Aphododeridæ, Dorysomatidæ, and Cyprinidæ, 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 *PÆCILICHTHYS 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 ἐλασσώμα, 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 ALOSOIDES* 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 Catostomoid 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 *AËTOBATHIS EXIMIUS* Leidy (fossil). A synonym or homologue of *AËTOBATUS*.

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*. Rygradsdjuren.

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.
Hemitrichas 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 Sphærodus 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, Palæoniscus, 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 *PALÆONISCUS VARIANS* Kirby (fossil).
Rhadinichthys Traquair, 559; logotype *PALÆONISCUS 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 Gobi.* Nat. Tidskr. Kjöbenhavn, XI.
GEORG WINTHER (1844-1879).
Lebetus Winther, 49; orthotype *GOBIIUS SCORPIOIDES* Collett.

 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). *Studii sui pesci fossili del miocene 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 **MELANOTÆNIA** 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.

Neoanthias 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 **GONIISTIVUS** 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.

Metynnis 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 (Argyropelecus 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.

Sympterichthys 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.

Bathydraco 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.

Bathyophis 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.
Platytrictes 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 *LAGOCHEILUS*, a genus of mollusks.
Tauridea Jordan & Rice, 255; orthotype *COTTUS RICEI* Nelson.
Prosopium (Milner) Jordan, 261; orthotype *COREGONUS QUADRILATERALIS* Rich. The name *PROSOPIMUM* 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. INÆQUILOBUS** 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 & Yarrow.
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. DENEENSIS** 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. WILLETTII* Newton (fossil). Name pre-
 occupied in HEMIPTERA, replaced by *ELASMODECTES* Newton, 1888.

1254. SAUVAGE (1878). *Note sur quelques Cyprinidæ et Cobitinæ 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 prove-*
nant 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 syno-
 nym 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 *PROMICRIPS* 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) Fischfauna 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 *OSPHROMENUS OPERCULARIS* Blkr.

Parosphromenus Bleeker, 20; orthotype *P. DEISSNERI* Blkr.

1265. BLEEKER (1879). *Révision des espèces insulindiennes de la famille des Calionymoïdes*. 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 *RHOMBATRACTUS* 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 *LEURYNNIS* 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 chamæleonticeps, 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. CHAMÆLEONTICEPS* 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 *XIPHIDION MUCOSUM* Grd. A substitute for *XIPHIDION* 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. CASHCÆNSIS* Kramberger (fossil).

1281. KESSLER (1879). *Beiträge zur Ichthyologie von Central-Asien.* Bull. Acad. Sci. St. Petersburg, 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 Scombridæ.* Proc. Acad. Nat. Sci. Phila., 1879, 133-136.

WILLIAM NEALE LOCKINGTON.

Chriomitra 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 *OSHIMIA* 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, XXXIII.

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 Museum 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. **OBVALLATUS** Trautschold (fossil).

Arpagodus Trautschold, 59; orthotype A. **RECTANGULUS** Trautschold (fossil). A synonym of **CAMPODUS** Koninck.

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 Rhinobatidæ*. 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.

Pæcilopsetta 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. emilie* 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 berkeuswerthe 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 (Pleuronichthys 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. KÖENEN (1880). *Ueber Coccosteus-Arten aus dem Devon von Birken.* Zeitschr. Deutsch. Geol. Ges., 1880, XXXII, 673-675.

ADOLF VON KÖENEN (1837-1915).

Brachydirus Köenen, 675; orthotype *COCCOSTEUS BIRKENSIS* Köenen (fossil).

1312. LOCKINGTON (1880). *Description of a New Genus and Some New Species of California Fishes (Icosteus ænigmaticus 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 Sénégalie.* 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 *DELTOIDUS*.

Chitonodus St. John & Worthen, 109; logotype *COCHLIODUS LATUS* Leidy (fossil).

Deltodopsis St. John & Worthen, 158; logotype *D. AFFINIS* St. John & Worthen (fossil).

Orthopleurodon 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 decouverts 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 scombéroïdes, 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. GÖPPERTI* 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). *Borneo*, II, etc.

PIETER BLEEKER.

Clupeoides Bleeker, 275; orthotype *C. BORNEËNSIS* 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). *Monographie*. 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. = *LABRUS 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, <i>s</i> , 328 | Actinogobius, 373 | Amblytoxotes, 383 |
| Abramocephalus, <i>s</i> , 355 | Adinia, 290 | Amiopsis, <i>s</i> , 327 |
| Acanthaluteres, 340 | Aegæonichthys, 394 | Amitra, <i>d</i> , 402 |
| Acanthaphritis, 403 | Æglefinus, <i>s</i> , 391 | Ammocrypta, 390 |
| Acantharchus, 332 | Aganodus, <i>s</i> , 347 | Ammopleurops, <i>s</i> , 319 |
| Acanthaspis, 379 | Agassizodus, <i>s</i> , 380 | Ammotretis, 319 |
| Acanthistius, 315 | Ageleodus, 347 | Amphicentrum, <i>s</i> , 344 |
| Acanthobrama, 287, 335 | Agenigobio, 397 | Amphilius, 332 |
| Acanthocephala, 372 | Agenor, <i>s</i> , 393 | Amphiplaga, 388 |
| Acanthochætodon, 383 | Aglyptosternon, 312 | Amyzon, 364 |
| Acanthochromis, 324 | Agnus, <i>s</i> , 296 | Anacyrtus, 333 |
| Acanthocobitis, 308 | Agonomalus, 341 | Anædopogon, 360 |
| Acanthocybium, 314 | Agonopsis, 305 | Anapterus, 371 |
| Acanthodopsis, 352 | Agrammatolepis, <i>s</i> , 350 | Anarmostus, <i>s</i> , 328 |
| Acanthodoras, 311 | Agrammus, 296 | Ancharius, 406 |
| Acanthogobius, 290 | Aida, <i>s</i> , 378 | Anchyropsis, 356 |
| Acantholatris, 313 | Ailiichthys, 361 | Ancylopsetta, <i>s</i> , 331 |
| Acantholebias, <i>s</i> , 305 | Aipichthys, 293 | Andamia, 289 |
| Acantholepis, <i>s</i> , 379 | Akysis, 293 | Andreiopleura, 336 |
| Acanthomullus, <i>d</i> , 309 | Alausella, <i>s</i> , 303 | Anema, <i>s</i> , 296 |
| Acanthonemopsis, 393 | Albulichthys, 288 | Anematischthys, 288 |
| Acanthonotos, <i>s</i> , 359 | Alburnoides, <i>s</i> , 308 | Anisarchus, 331 |
| Acanthonus, 394 | Aledon, <i>s</i> , 301 | Anisochirus, 319 |
| Acanthoperca, <i>s</i> , 393 | Alepidogobius, 373 | Anisotremus, 302 |
| Acanthorhodeus, 355 | Alexandrinus, <i>s</i> , 308 | Ankistrodus, <i>d</i> , 358 |
| Acanthostracion, 340 | Algoa, 301 | Anogmus, 360, 388 |
| Acaropsis, 381 | Alopiopsis, 338 | Anomalops, 352 |
| Acentrachme, <i>s</i> , 315 | Alosina, 300 | Anomieolepis, <i>d</i> , 304 |
| Acentrogobius, 373 | Alticus, <i>d</i> , 353 | Anoplagonus, 305 |
| Acentrophorus, 392 | Alvarius, 290 | Anoplarchus, 305 |
| Acheilognathus, 288 | Alvordius, 290 | Anoplogaster, 291 |
| Achirophichthys, <i>s</i> , 335 | Amacanthus, 381 | Anticitharus, 403 |
| Achiropsis, 387 | Amblyapistus, 384 | Antliodus, <i>s</i> , 342 |
| Achærodon, 325 | Amblychæturichthys, 374 | Anyperodon, 291 |
| Acodus, <i>s</i> , 409 | Amblycirrhitus, 313 | Aphanepygus, <i>s</i> , 398 |
| Acondylacanthus, 380 | Amblydoras, 311 | Aphyocharax, 351 |
| Acontiodus, <i>s</i> , 409 | Amblyeleotris, 372 | Aphyocypris, 351 |
| Acra, 321 | Amblygobius, 374 | Aphyonus, 394 |
| Acrodobatis, <i>s</i> , 391 | Amblypharyngodon, 288 | Aploactisoma, <i>s</i> , 363 |
| Acrodontosaurus, <i>s</i> , 355 | Amblypomacentrus, 387 | Aplocheilichthys, <i>s</i> , 321 |
| Acrogrammatolepis, <i>s</i> , 350 | Amblyraja, <i>d</i> , 391 | Apocope, 363 |
| Acronurus, <i>s</i> , 307 | Amblyrhynchichthys, 288 | Apocryptichthys, 385 |
| Actenolepis, <i>s</i> , 364 | Amblyscion, 324 | 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
 Arctozenus, 330
 Argyrotaenia, *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
 Astatichthys, *s*, 371
 Astemomycterus, *d*, 296
 Astephus, 368
 Asternopteryx, 307
 Asternotremia, *s*, 390
 Asterosteus, 379
 Asthenurus, *s*, 339
 Astrodoras, 311
 Astroscopus, 295
 Atelurus, 357
 Athæna, 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
 Beridia, *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
 Brisbane, 388
 Brochis, 363
 Brosmophycis, 305
 Bryactinus, 379
 Bryconæthiops, 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
 Calleleotris, *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
 Centroblennius, 302
 Centrogobius, 373
 Centropholis, 395
 Centrophorus, *s*, 292
 Centropogon, 296
 Centropomus, 301
 Centropus, 298
 Centropyge, *s*, 298
 Centroscymnus, 329
 Cephalogobius, 373
 Cephalopsis, *s*, 369
 Cephalopterus, *s*, 359
 Cephaloscyllium, 306
 Cephonoplosus, *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
 Champscephalus, 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
 Chiasmatus, 401
 Chilodactylus, 313
 Chirocentron, 351
 Chirodactylus, 313
 Chirodus, 408
 Chiropsis, *s*, 410
 Chitonodus, 405
 Chloroscombrus, 291
 Chærojulis, *s*, 314
 Chæroplites, *s*, 334, 338
 Cholodus, 380
 Chondroplites, 314
 Chonophorus, 299
 Chorististium, 313
 Chriolax, *s*, 396
 Chriomitra, *s*, 400
 Chrioche, 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
 Cleithrolepis, 330
 Clidoderma, 310
 Clinocottus, 305
 Clupeichthys, 409
 Clupeoides, 408
 Clupeonella, 391
 Clupeops, 402
 Cnidoglanis, 332
 Coccia, *s*, 333
 Cochliodon, 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
 Cosmochilus, 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
Crotalopsis, 297
Cryptocentrus, 374
Cryptopterus, *d*, 297
Cryptosmilia, *s*, 344
Cryptotomus, 361
Crystallogobius, 326
Ctenognathus, *s*, 409
Ctenolates, 361
Ctenolucius, 302
Ctenopetalus, 320
Ctenopharyngodon, 343
Ctenotrypauchen, *s*, 348
Culius, *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
Dactylodus, 342
Dactylopagrus, 313
Dactylopogon, 339
Dactylopus, 290
Dactylosargus, 313
Dactyloscopus, 290
Dactylosparus, *s*, 314
Dallia, 398
Dampieria, 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
Dibranchus, 379
Dicentrarchus, 296
Dichelodus, 409
Dicrosus, 381
Dicrotus, 297
Didymaspis, 346
Dimalacocentrus, *s*, 325
Dinemus, *s*, 298
Dinichthys, 371
Dinolestes, 366
Diphriassa, *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
 Engyprosopon, 319
 Enneacanthus, 332
 Enneacetrus, 337
 Enoplophthalmus, 405
 Entelurus, *s*, 357
 Enteromius, 344
 Entomacrodus, 289
 Entosphenus, 317
 Entoxychirus, *s*, 317
 Epapterus, 393
 Epicopus, *s*, 296
 Epigonichthys, 391
 Epiplatys, 314
 Episema, *s*, 390
 Erichæta, *s*, 391
 Ericosma, 390
 Ericymba, 336
 Erimyzon, 386
 Erinemus, 386
 Erisichthe, *s*, 364
 Erismatopterus, 356
 Eritrema, *s*, 384
 Erogala, 395
 Erotelis, 299
 Erpetoichthys, *s*, 339
 Estheria, 319
 Estrella, *s*, 290
 Eteira, *s*, 297
 Eucalia, 386
 Eucetrarchus, 332
 Eucephalaspis, *s*, 358
 Euchalarodus, *s*, 331
 Euchoristopus, 326
 Euclyptosternum, *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
 Eurycormus, *s*, 329
 Eurypegasus, *s*, 322
 Eurypoma, *s*, 341
 Eurysonus, *s*, 344 (mis-
 printed Eurysonus
 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
 Eutycheilithus, *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
 Gasterosteus, *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
 Glyptolæmus, *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
 Gobiichthys, *s*, 361
 Gobileptes, *d*, 374
 Gobiobarbus, *s*, 354
 Gobioclinus, 295
 Gobiomorphus, 326
 Gobionellus, 291
 Gobionichthys, 321
 Gobiopsis, 299
 Gobiopterus, 373
 Gobiopus, *d*, 375
 Gobiosoma, *s*, 364
 Gogrius, *s*, 344
 Gompholepis, 362
 Gonatodus, 392
 Goniistius, 314
 Goniobatis, *s*, 361
 Gonirolepis, *s*, 350
 Gonionarce, *s*, 307
 Gonioperca, *s*, 315
 Gonioplectrus, 315
 Gonochætodon, 383

- Gonoproktopterus, 288
 Gonostomus, 355
 Goodea, 400
 Gramma, 353
 Grammateus, 376
 Grammatopleurus, *s*, 305
 Grammatorcynus, 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
 Gymneipignathus, *d*, 316
 Gymneleotris, 372
 Gymnobotis, 372
 Gymnocæsius, 382
 Gymnocranus, 358
 Gymnocrotaphus, 291
 Gymnocypris, 351
 Gymnodus, 361
 Gymnogobius, *s*, 326
 Gymnopropoma, *s*, 325
 Gymnosarda, 314
 Gymnoscopus, 369
 Gymnotes, 330
 Gyropleurodus, 317
 Gyrosteus, 409
 Habrolepis, *s*, 369
 Hæmulopsis, *s*, 355
 Halæurus, 306
 Halargyreus, 318
 Halatractus, *s*, 317
 Halias, *s*, 293
 Halidesmus, 361
 Halieutichthys, 324
 Haligenes, *s*, 292
 Haliichthys, 291
 Haliperca, 315
 Halophræne, 324
 Haloporphyrus, *d*, 318
 Halosaurus, 327
 Hannovera, 360
 Haploidonotus, *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
 Helioplepis, 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
 Hemiketopsis, 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
 Hemitaenichthys, 383
 Hemitaeniga, 309
 Hemithysites, 371
 Hemitrema, 356
 Hemitrichas, 392
 Hemixiphophorus, *s*, 288
 Heptadecacanthus, *s*, 387
 Herpetoichthys, *s*, 338
 Heteroleotris, 373
 Heterobagrus, 329
 Heterochærops, 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
 Homæolepis, *s*, 300
 Hoplarchus, *s*, 297
 Hoplobrotula, 325
 Hoplocoryphus, 314
 Hoplonchus, 385
 Hoplonotus, *s*, 341
 Hoplopagrus, 304
 Hoplunnis, 297
 Hucho, 340
 Hybocladodus, 380
 Hybodontis, 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
 Hypleurochilus, 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
 Hypsagonus, 305
 Hypselobagrus, *d.* 312
 Hypselobarbus, 288
 Hypseleotris, 326
 Hypsicometes, *d.* 403
 Hypsifario, 317
 Hypsigenys, *s.* 308
 Hypsiptera, *s.* 297
 Hypsoblennius, 302
 Hypsocormus, 300
 Hypsopsetta, 317, 331
 Hypsurus, 300
 Hypsypops, 305
 Hypterus, *s.* 386
 Hyptius, *s.* 330
 Hystricodon, 333
 Iaus, *s.* 288
 Ichthyoborus, 333
 Ichthyodectes, 356
 Ichthyomyzon, 291
 Ichthyorhamphos, *s.* 301
 Ichthyotringa, *s.* 394
 Ichthys, 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
 Isotænia, 379
 Isuropsis, 306
 Itaiara, *s.* 397
 Jenynsia, *s.* 341
 Jerdonia, 356
 Jordanella, 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
 Labroperca, *s.* 315
 Labyrinthodontosaurus, *s.* 366
 Lacedædia, 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
 Leirolepis, *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
 Lepidochætodon, 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
 LeptoJulis, 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
 Leucopsarion, 403
 Leucoraja, 391
 Leuresthes, 403
 Leurynnis, *s.*, 400
 Liachirus, 319
 Limia, 308
 Limnurgus, *s.*, 340
 Linophora, 297
 Liobagrus, 395
 Liocæzio, 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
 Machairodus, *s.*, 409
 Machephilus, *s.*, 346
 Macolor, 294
 Macrocephalus, *s.*, 383
 Macrochirichthys, 288
 Macrodonophis, *s.*, 347
 Macrolepis, 327
 Macronotothen, 306
 Macropharyngodon, 309
 Macrorhipis, *s.*, 329
 Macrozoarces, 325
 Macruronus, 365
 Macuroplus, 372
 Mænas, *s.*, 382
 Mænichthys, *s.*, 383
 Malacobagrus, 312
 Malacocentrus, 314
 Malacocephalus, 318
 Malacoctenus, 295
 Malacorrhina, 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
 Melanotænia, 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
 Metynnis, 394
 Micracanthus, *s.*, 400
 Micraspius, 354
 Micristius, *s.*, 337
 Micristodus, *s.*, 337
 Microbuglossus, 319
 Microcoelia, 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
 Microsicydium, 373
 Microspathodon, *d.*, 318
 Microtrigla, 369

- Microzeus, 294
 Mimoperca, *s*, 390
 Minytrema, 395
 Mionorus, *d*, 346
 Mioplosus, 388
 Mirbelia, 329
 Mitrodus, *s*, 347
 Mixogrammatolepis, *s*, 350
 Mogurnda, 326
 Moharra, *d*, 379
 Monolene, 403
 Monopleurodus, *s*, 409
 Monoprion, 298
 Morara, *s*, 287
 Mormyroides, 314
 Moronopsis, *s*, 324
 Mrigala, *s*, 287
 Mullhypeneus, 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
 Nemaacanthus, *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
 Neochætodon, *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
 Neomyripristis, 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
 Oxymacurus, 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
 Paracæcio, 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
 Paralenchurus, 354
 Paralosa, 362
 Paraluteres, 340
 Paralycodes, 372
 Paramacurus, 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
 Paraplesichthys, *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

- Parehippus, *s*, 305
 Pareques, 385
 Parequula Steind., 401
 Parequula Sauvage, *s*, 406
 Paretroplus, 348
 Parexocœtus, 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
 Percamia, 382
 Percocottus, 389
 Percosoma, 304
 Perigrammatolepis, *s*, 349
 Periophthalmodon, *s*, 374
 Periplectrodon, 380
 Peripristis, *s*, 359
 Peristethus, *s*, 292
 Petalodopsis, *d*, 372
 Petalolepis, *s*, 350
 Petalorhynchus, 320
 Petenia, 318
 Petrocephalus, 334
 Petrometopon, 337
 Phacodus, *s*, 354
 Phæthonichthys, *s*, 382
 Phago, 337
 Phagrus, 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
 Platygio, 323
 Platygiobius, 373
 Platyini, 315
 Platyodus, 379
 Platypodon, 306, 331
 Platyptæcilus, 341
 Platyrrhinoidis, 402
 Platysiagum, 365
 Platysomaticthys, *s*, 310
 Platystethus, *s*, 296
 Platystomaticthys, 312
 Platytrictes, 395
 Plectranthias, 367
 Plectroperca, *s*, 339
 Plectroplites, 315
 Plectrypops, 315
 Plesiodus, 329
 Plesioperca, *s*, 371
 Plethodectes, 356
 Pleuracromylon, *s*, 330
 Pleuranacanthus, *s*, 336
 Pleurodon, *d*, 366
 Pleurogomphus, 320
 Pleurogrammus, 305
 Pleurolepis, *s*, 328
 Plicodus, 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
 Polyacanthonotus, 372
 Polycaulus, 296
 Polycirrus, *s*, 354
 Polyplacodus, *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
 Porogobius, 373
 Poronotus, 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

- Prolatilis, 337
 Prolebias, 376
 Promicrops, 353
 Promicropterus, 302
 Pronotogrammus, 323
 Properca, 405
 Propoma, 403
 Prosopium, 395
 Prospinus, *s*, 308
 Prostheacanthus, *s*, 294
 Protamia, 370
 Protatoga, 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
 Pseudaspius, 354
 Pseudauchenipterus, 311
 Pseudecheneis, 294
 Pseudechidna, 322
 Pseudeleginus, 371
 Pseudetroplus, 318
 Pseudeutropius, 310
 Pseudoambassis, *s*, 393
 Pseudobagrichthys, 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
 Pseudomuraena, *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
 Pseudosciaena, *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
 Pterocæcio, 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
 Rasborichthys, 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
 Rhombosolea, 319, 326
 Rhombotides, *s*, 322
 Rhynchana, *s*, 407
 Rhynchodus, 371
 Rhytioidus, 292
 Richardsonia Steind., *s*, 343
 Richardsonia Castelnau, *s*, 362
 Rineloricaria, 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
 Sciænoides, *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
 Scytalina, *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
 Seriophus, *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
 Sphagepœa, *s*, 356
 Sphagomorus, 344
 Sphærolepis, 389
 Sphyrænops, 299
 Sporetodus, *s*, 375
 Sporolepis, 334
 Squalidus, *s*, 364
 Squaliobarbus, 351
 Stenmatodus St. John & Worthen, *s*, 380
 Stenmatodus 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
 Strepsodus, 344
 Strigilina, *s*, 388
 Stromatoidea, 301
 Strosipherus, *s*, 409
 Stygicola, 325, 339
 Stygogenes, 332
 Syllaemus, 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
 Tambra, 288
 Tanaodus, 380
 Tauridea, *d*, 395
 Taurinichthys, 329
 Tautogolabrus, 318
 Telara, 351
 Teleosaurus, *s*, 346
 Telepholis, 339
 Telescops, *s*, 382
 Tephraeops, 291
 Tephrinectes, 319
 Tephritis, *s*, 318
 Tetheodus, 375
 Tetrabrachium, 403
 Tetradetes, *s*, 335
 Tetragonopterus, *s*, 348, 383
 Tetranarce, 307
 Tetranematichthys, *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
 Triænaspis, 394
 Triænopogon, 373
 Tribbranchus, *s*, 407
 Trichidion, *s*, 302
 Trichiurichthys, 371
 Trichiurides, 398
 Trichocyclus, *d*, 357
 Trichodiodon, *d*, 340
 Trichophanes, 364
 Trichopsis, *s*, 295, 298
 Trifarcius, *s*, 299
 Trigloides, 360
 Trigonodus Newberry & Worthen, *s*, 342
 Trigonodus Winkler, *s*, 398
 Triloburus, *s*, 302
 Trinematichthys, 288
 Triportheus, 363
 Tripterodon, 343
 Trisotropis, 337
 Tristichopterus, 301
 Trochocopus, 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
 Valenciennæa, 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
 Xiphactinus, *d*, 358
 Xiphidion, *d*, 290
 Xiphiorhynchus, 360
 Xiphister, *d*, 400
 Xiphodolamia, 391
 Xiphogadus, 318

Xiphotrygon, 399
Xystracanthus, 292
Xystreuryx, 403
Xystrodus Plieninger, 298
Xystrodus Ag., s, 320
Xystroplites, 388, 390

Yarra, s, 363
Zanclorhynchus, 403
Zantecla, s, 367
Zapteryx, 404
Zathorax, 363

Zenarchopterus, 326
Zenopsis, 314
Zeodrius, s, 393
Zonogobius, 374
Zopa, s, 368
Zophendum, s, 396





UNIVERSITY SERIES

- THE FLÜGEL MEMORIAL VOLUME. Papers by Ewald Flügel, late Professor of English Philology, his Colleagues and Students. 232 pp. 1916. Price \$1.50.
- THE SESAMOID ARTICULAR: A BONE IN THE MANDIBLE OF FISHES. Edwin Chapin Starks, Assistant Professor of Zoology. 40 pp., 15 text figures. 1916. Price 50c.
- A STUDY OF GERMAN VERBS COMPOUNDED WITH AUS, EIN, ETC., AS CONTRASTED WITH THOSE COMPOUNDED WITH HERAUS, HINAUS, HEREIN, HINEIN, ETC. Charles Reining, Instructor in German. 142 pp. 1916. Price \$1.00.
- THE PATHOLOGY OF NEPHRITIS. William Ophüls, Professor of Pathology. 103 pp., 64 text figures and plates. 1916. Price \$1.00.
- BONE AND JOINT STUDIES, I. Leonard W. Ely, Associate Professor of Surgery, and John Francis Cowan, Assistant Professor of Surgery. 139 pp., 41 text figures and plates. 1916. Price \$1.00.
- A STUDY OF THE MAGMATIC SULFID ORES. C. F. Tolman, Jr., Associate Professor of Economic Geology, and Austin F. Rogers, Associate Professor of Mineralogy and Petrography. 76 pp., 7 text figures, 20 plates. 1916. Price \$1.00.
- THE GENERA OF FISHES, FROM LINNÆUS TO CUVIER, 1758 TO 1833 (SEVENTY-FIVE YEARS), WITH THE ACCEPTED TYPE OF EACH. David Starr Jordan, Chancellor Emeritus. 161 pp. 1917. Price \$1.00.
- THE USE OF YE IN THE FUNCTION OF THOU IN MIDDLE ENGLISH LITERATURE FROM MS. AUCHINLECK TO MS. VERNON. Russell Osborne Stidston, late Acting Instructor in English. 95 pp. 1917. Price 75c.
- EMERSON: A STATEMENT OF NEW ENGLAND TRANSCENDENTALISM AS EXPRESSED IN THE PHILOSOPHY OF ITS CHIEF REPRESENTATIVE. Henry David Gray, Associate Professor of English. 110 pp. 1917. Price 75c.
- THE NEO-CLASSIC MOVEMENT IN SPAIN DURING THE XVIII CENTURY. Robert E. Pellissier, late Assistant Professor of Romanic Languages. 187 pp. 1918. Price \$1.00.
- THE ORIGINAL VERSION OF "LOVE'S LABOUR'S LOST," WITH A CONJECTURE AS TO "LOVE'S LABOUR'S WON." Henry David Gray, Associate Professor of English. 55 pp. 1918. Price 75c.
- THE CALIFORNIA SPECIES OF MEALY BUGS. Gordon Floyd Ferris, Instructor in Entomology. 78 pp., 16 text figures, 3 plates. 1918. Price \$1.00.
- LIBERAL AND VOCATIONAL STUDIES IN THE COLLEGE. Henry Waldgrave Stuart, Professor of Philosophy. 72 pp. 1918. Price 75c.
- THE DERIVATION OF THE FLORA OF HAWAII. Douglas Houghton Campbell, Professor of Botany. 54 pp. 1919. Price 50c.
- A CONTRIBUTION TO THE KNOWLEDGE OF THE COCCIDAE OF SOUTHWESTERN UNITED STATES. Gordon Floyd Ferris, Instructor in Entomology. 66 pp., 38 text figures. 1919. Price \$1.00.
- THE GENERA OF FISHES, PART II, FROM AGASSIZ TO BLEEKER, 1833 TO 1858 (TWENTY-SIX YEARS), WITH THE ACCEPTED TYPE OF EACH. David Starr Jordan, Chancellor Emeritus. Pp. 163-284, with Index. 1919. Price \$1.00.
- THE ELECTRICAL CHARGES OF ATOMS AND IONS. Fernando Sanford, Professor of Physics. 130 pp. 1919. Price \$1.00.
- FOSSIL FISHES OF SOUTHERN CALIFORNIA. David Starr Jordan and James Zaccheus Gilbert. 64 pp. and 31 plates. 1919. Price \$1.00.
- THE GENERA OF FISHES, PART III, FROM GÜNTHER TO GILL, 1859 TO 1880 (TWENTY-TWO YEARS), WITH THE ACCEPTED TYPE OF EACH. David Starr Jordan, Chancellor Emeritus. Pp. 285-408, with index. 1919. Price \$1.00.

