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

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- 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 ANOPLURA AND MALLOPHAGA OF NORTH AMERICAN MAMMALS. Vernon Lyman Kellogg, Professor of Entomology, and Gordon Floyd Ferris. 74 pp., 18 text figures, 8 plates. 1915. Price 75c.

(Continued on third page of cover.)

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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 ABRAMIODES* 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 ZEREGERI* 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 *LEUCOGBIO* 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. URANOSCOPUS* 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* Mitchill. A substitute for *PALINURUS* Dekay, preoccupied.

643. BLEEKER (1859). (*Pterichthyodes*.) Verh. Nat. Hist. Indie, VI.

PIETER BLEEKER.

Pterichthyodes Bleeker, xi; orthotype *PTERICHTHYS MILLERI* Ag. (fossil). Substitute for *PTERICHTHYS* Ag., preoccupied.

644. BLYTH (1859). (*Andamia*.) Journ. Asiat. Soc. Bengal, 1858.

EDWARD BLYTH.

Andamia Blyth, 270; orthotype *A. EXPANSA* Blyth.

645. FILIPPI & VERANY (1859). *Sopra alcuni pesci nuovi o poco noti del Mediterraneo*. Mem. Accad. Sci. Torino, 1859, 2. ser., XVIII.

FILIPPO DE FILIPPI; J. B. VERANY.

Navarchus Filippi & Verany, XVIII, 7; orthotype *N. SULCATUS*. Filippi & Verany.

A synonym of *PSENEs* Cuv. & Val.

Pteridium Filippi & Verany, XVIII, 11; orthotype *OLIGOPUS ATER* Risso. (Not *PTERIDIUM* of Scopoli). Replaced by *VERATER* Jordan, 1919.

646. GILL (1859). *Description of a New Generic Form of Gobiinae from the Amazon River*. Ann. Lyc. Nat. Hist. N. Y., 1858-1862, VII, 45-48.

THEODORE NICHOLAS GILL.

Euctenogobius Gill, 45; orthotype *E. BADIUS* Gill.

647. GILL (1859). *Description of a New Genus of Salarianae from the West Indies*. Proc. Acad. Nat. Sci. Phila, 1859 (1860).

THEODORE NICHOLAS GILL.

This and the papers which follow were printed in 1859 when probably extras were issued. The publication as a whole was in 1860.

Entomacrodus Gill, 168; orthotype *E. NIGRICANS* Gill.

648. GILL (1859). *Description of New South American Type of Siluroids, Allied to Callophysus*. Proc. Acad. Nat. Sci. Phila., 1859 (1860).

THEODORE NICHOLAS GILL.

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 *GوبيUS FLAVIMANUS* T. & S.

Rhinogobius Gill, 145; orthotype *R. SIMILIS* Gill.

Glossogobius Gill, 146; orthotype *GوبيUS PLATYCEPHALUS* Rich.

Luciogobius Gill, 146; orthotype *L. GUTTATUS* Gill.

656. GIRARD (1859). *Ichthyological Notices*. Proc. Acad. Nat. Sci. Phila., 1858 (1859).

CHARLES FRÉDÉRIC GIRARD.

Pterognathus Girard, 57; orthotype *NEOCLINUS SATIRICUS* Grd., hypothetical name, revived by Jordan & Evermann (1896).

Myrichthys Girard, 58; orthotype *M. TIGRINUS* Grd.

Typhlichthys Girard, 63; haplotype *T. SUBTERRANEUS* Grd.

Arlina Girard, 64; haplotype *A. EFFULGENS* Grd. Same as *BOLEOSOMA* Dekay, 1842.

Estrella Girard, 64; orthotype *E. ATROMACULATA* Grd. A synonym of *BOLEOSOMA* Dekay.

Oligocephalus Girard, 67; haplotype *A. LEPIDUS* Grd.

Alvordius Girard, 68; haplotype *ALVORDIUS MACULATUS* Grd. A section of *HADROPTERUS* Ag.

Alvarius Girard, 101; haplotype *A. LATERALIS* Grd.

Boleichthys Girard, 103; logotype *B. EXILIS* Grd.

Adinia Girard, 117; haplotype *A. MULTIFASCIATA* Grd.

Lucania Girard, 118; haplotype *LUCANIA VENUSTA* Grd.

657. GIRARD (1859). *Fishes*. (In *General Report Upon Zoology of the Several Pacific Railroad Routes*. 1857.)

CHARLES GIRARD.

Nautichthys Girard, 74; orthotype *BLEPSIAS OCULOFASCIATUS* Grd.

Xiphidion Girard, 119; orthotype *X. MUCOSUM* Grd. Name preoccupied as *XIPHIDIUM*, replaced by *XIPHISTER* J. & G., 1880.

Thaleichthys Girard, 325; orthotype *P. STEVENSI* Grd. = *SALMO PACIFICUS* Rich.

Ichthyomyzon Girard, 379; logotype **PETROMYZON ARGENTEUS** Kirtland = **AMMO-
CÆTES CONCOLOR** Kirtland.

Scolecossoma Girard, 384; haplotype **AMMOCÆTES 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.

Tephraeops Günther, I, 431; tautotype **CRENIDENS TEPHRAEOPS** Rich.

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

Lembus Günther, I, 505; orthotype **L. MACULATUS** Gthr. A synonym of **GOBIOMORUS** 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 *HYPOPHTHALMUS MARGINATUS* Cuv. & Val. Name preoccupied in Salamanders. A synonym of *HYPOPHTHALMUS* Spix.

662. KAUP (1859). *Description of a New Species of Fish, Peristethus rieffeli*. Proc. Zool. Soc. London, 1859, pt. 27.

JOHANN JACOB KAUP.

Peristethus Kaup, 103; orthotype *P. CATAPHRACTUS*. An attempt at amendment of *PERISTEDION* Lac.

663. KNER (1859). *Zur Familie der Characinen. III. Folge der Ichthyologischen Beiträge*. Denkschr. Akad. Wiss. Wien, 1859, XVII.

RUDOLPH KNER (1819-1869).

Microdus Kner, XVIII, 151; orthotype *CHILODUS PUNCTATUS* M. & T. Preoccupied, replaced by *CÆNOTROPUS* Gthr., 1864.

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

Centrophorus Kner, XVII, 167; orthotype *PAREIODON MICROPS* Kner. Name preoccupied in sharks. Intended as a substitute for *PAREIODON*, on account of an earlier genus, *PARODON*, of different etymology.

Bryconops Kner XVII, 179; logotype *B. ALBURNOIDES* Kner.

664. LEIDY (1859). *Some Remains of Cartilaginous Fishes Discovered by Dr. F. V. Hayden and F. B. Meek in the Carboniferous Formations of Kansas*. Proc. Acad. Nat. Sci. Phila., 1859 (1860), 3.

JOSEPH LEIDY.

Xystracanthus Leidy, 3; orthotype *X. ARCUATUS* Leidy (fossil).

665. PICTET (1859). *Description des fossiles du terrain Neocomien des Voirons*. Genève, 1859, 1-54.

FRANÇOIS JULES PICTET; PERCIVAL DE LORIOI.

Spathodactylus Pictet & Lorient, III, 2; orthotype *S. NEOCOMIENSIS* Pictet (fossil).

Crossognathus Pictet & Lorient, 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*.

Thyrsocephalus Rath, XI, 114; orthotype *T. ALPINUS* Rath (fossil).

Palæogadus Rath, XI, 126, orthotype *P. TROSCHLI* Rath (fossil). A synonym of *NEMOPTERYX*.

Palæobrosmius Rath, XI, 130; orthotype *P. ELONGATUS* Rath (fossil). A synonym of *NEMOPTERYX* Ag.

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

FRANZ STEINDACHNER (1834-).

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

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 *CHCERODON* 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 *URANOSCOPIUS ANOPIOS* 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.

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

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

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

- Auchenionchus** Gill, 103; orthotype *CLINUS VARIOLOSUS* Cuv. & Val. Misprinted *ANCHENIONCHUS*.
- Calliclinus** Gill, 103; orthotype *CLINUS GENIGUTTATUS*.
- Ophioblennius** Gill, 103; orthotype *BLENNOPHIS WEBBI* Val. Substitute for *BLENNOPHIS* Val., preoccupied.
- Ophthalmolophus** Gill, 104; orthotype *CLINUS LATIPINNIS* Cuv. & Val.
687. GILL (1860). *Monograph of the Genus Labrax of Cuvier*. Proc. Acad. Nat. Sci. Phila., 1860, 108-120.
THEODORE GILL.
- Dicentrarchus** Gill, 109; orthotype *PERCA ELONGATA* St. Hilaire = *PERCA LABRAX* L. Same as *LABRAX* (Klein) Cuv., 1817, not *LABRAX* Pallas, 1811.
688. GUICHENOT (1860). *Notice sur un nouveau poisson du genre des Trichomyctères*. Rev. Mag. Zool., 2d sér., XII.
ALPHONSE GUICHENOT.
- Astemomycterus** Guichenot, XII, 525; orthotype *A. PUSILLUS* Guich.
689. GUICHENOT (1860). *Notice sur un nouveau poisson du groupe Ctenolabres (Labrastrum)*. Rev. Mag. Zool., 2d sér., XII.
ALPHONSE GUICHENOT.
- Labrastrum** Guichenot, XII, 152; orthotype (*CTENOLABRUS FLAGELLIFER* Cuv. & Val. A synonym of *DUYMÆRIA* Blkr.
690. GÜNTHER (1860). *Catalogue of the Fishes of the British Museum*. II.
ALBERT GÜNTHER.
- Atypus** Günther, II, 64; orthotype *A. STRIGATUS* Gthr. Name preoccupied in spiders; replaced by *ATYPICHTHYS* Gthr., 1862.
- Agrammus** Günther, II, 94; orthotype *LABRAX AGRAMMUS* T. & S.
- Glyptauchen** Günther, II, 121; orthotype *APISTUS PANDURATUS* Rich.
- Centropogon** Günther, II, 128; logotype *COTTUS AUSTRALIS* White.
- Pentaroge** Günther, II, 132; orthotype *APISTUS MARMORATUS* Cuv. & Val. A synonym of *GYMNAPISTES* Sw.
- Tetraroge** Günther, II, 132; logotype *APISTUS BARBATUS* Cuv. & Val.
- Polycaulus** Günther, II, 175; orthotype *SYNANCEIA ELONGATA* Cuv. & Val.
- Ptyonotus** Günther, II, 175; orthotype *TRIGLOPSIS THOMPSONI* Grd. Needlessly proposed as a substitute for *TRIGLOPSIS* on account of the earlier *TRIGLOPS*.
- Lepidotrigla** Günther, II, 196; logotype *TRIGLA ASPERA* Cuv. & Val. = *TRIGLA CAVILLONE* Lac.
- Agnus** Günther, II, 229; orthotype *URANOSCOPIUS ANOPILOS* Cuv. & Val. A synonym of *ASTROSCOPUS* Gill.
- Anema** Günther, 229; logotype as restricted by Gill, 1861, *URANOSCOPIUS ANOPILOS* Cuv. & Val. A synonym of *ASTROSCOPUS* Brevoort.
- Kathetostoma** Günther, 231; orthotype *URANOSCOPIUS 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.
Crotalopis 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 Chætodontidæ*. 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. OCULATUS* 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 = *GوبيUS BANANA* Cuv. & Val., probably = *GوبيUS TAIASICA* Lichtenstein. Replaces *AWAOUS* Steind. of the same year but a few days later.
- Smaragdus** Poey, II, 279; orthotype *GوبيUS 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 *GوبيUS LEPIDUS* Grd. A synonym of *LEPIDOGوبيUS* Gill.
- Awaous** Steindachner, XLII, 289; type (after "les AWAOUS" Cuv. & Val.; *GوبيUS OCELLARIS* Cuv. & Val. from Hawaii) "*GوبيUS (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 *GوبيUS*) 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. = *GوبيUS OPLOPOMUS* Cuv. & Val. (XII, 66). Not *OPLOPOMA* Grd., 1856. Same as *CENTROGوبيUS* Blkr. (1874).
- Gobiopsis** Steindachner, XLII, 291; orthotype *GوبيUS 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.

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

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

709. WAGNER (1860). *Zur Charakteristik der Gattungen 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. PÆCILOIDES* 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. THRISIA Gill" (not CLUPEA THRISIA 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 = MURÆNA 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 Clupeinæ*, etc. Proc. Acad. Nat. Sci. Phila., 1861.

THEODORE GILL.

Alausella Gill, 36; orthotype CLUPEA PARVULA Mitchill, the young of some species of POMOLOBUS, perhaps P. MEDIOCRIS (repeated from *Catalogue Fishes East Coast*).

Opisthonema Gill, 37; orthotype CLUPANODON THRISIA Lac. (not of Osbeck) = MEGALOPS OGLINA Le Sueur (repeated from *Catalogue*).

Opisthopterus Gill, 37, 38; orthotype PRISTIGASTER TARTOOR Cuv. & Val.

Brevoortia Gill, 37; orthotype CLUPEA MENHADEN Mitchill = CLUPEA PATRONUS Latrobe. (Repeated from *Catalogue*.)

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

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

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

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

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

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

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

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

THEODORE GILL.

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

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

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

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

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

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

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

724. GILL (1861). *Revision of the Genera of North American Sciæninæ*. 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). *Haploidonotinæ*. 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 *URANOSCOPIUS FILIBARBIS* Cuv. & Val.
Upselonphorus Gill, 113; orthotype *URANOSCOPIUS Y-GRÆCUM* Cuv. & Val. A synonym of *ASTROSCOPUS* Brevoort.
Cathetostoma Gill, 114; orthotype *URANOSCOPIUS LÆVIS* Bloch. A revised spelling of *KATHETOSTOMA*.
Genyagnus Gill, 115; orthotype *URANOSCOPIUS MONOPTERYGIUS* Bloch.
Gnathagnus Gill, 115; orthotype *URANOSCOPIUS 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 *CHÆTODIPTERUS* 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.
Brosmophycis Gill, 168; orthotype *BROSMIUS MARGINATUS* Ayres.

729. GILL (1861). *On a New Type of Aulostomatoids, Found in Washington Territory*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

- Aulorhynchus** Gill, 169; orthotype *A. FLAVIDUS* Gill.

730. GILL (1861). *Description of a New Generic Type of Blennioids*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

- Anoplarchus** Gill, 261; orthotype *A. PURPURESCENS* Gill.

731. GILL (1861). *Monograph of the Tridigitate Uranoscopoids*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

- Myxodagnus** Gill, 269; orthotype *M. OPERCULARIS* Gill.

732. GILL (1861). *Synopsis of the Polynematoids*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

- Polistonemus** Gill, 277; orthotype *POLYNEMUS MULTIFILIS* T. & S.

733. GILL (1861). *Synopsis of the Sillaginoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.

Leptoperca Gill, 502; orthotype PERCA 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). *Snyopsis of the Chænichthyoids*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.

Champscephalus Gill, 509; orthotype CHÆNICHTHYS ESOX Gthr.

735. GILL (1861). *Synopsis of the Notothenioids*. Proc. Acad. Nat. Sci.
THEODORE GILL.

Macronotothen Gill, 520; orthotype NOTOTHENIA ROSSI Rich.

Eleginops Gill, 522; logotype APHRITIS UNDULATUS Jenyns.

736. GILL (1861). *Analytical Synopsis of the Squali and Revision of the Nomenclature of the Genera, Followed by "Squalorum generum novorum descriptiones diagnosticæ,"* 330-422; reprint, 1-47. Ann. Lyc. Nat. Hist. N. Y., VII, Dec., 1861.

THEODORE GILL.

Isuropsis Gill, VII, 32 (397); orthotype OXYRHINA GLAUCA M. & H. (not SQUALUS GLAUCUS L.).

Hypoprionodon Gill, 35 (400); orthotype CARCHARIAS HEMIODON Val.

Platypodon Gill, 35 (400); orthotype CARCHARIAS MENISORRAH M. & H.

Eulamia Gill, 35 (400); orthotype "CARCHARIAS LAMIA Raf." = CARCHARHINUS COMMERSONIANUS Blainv. A synonym of CARCHARHINUS Blainv.

Isogomphodon Gill, 35 (400); orthotype CARCHARIAS OXYRHYNCHUS M. & H.

Lamiopsis Gill, 35 (400); orthotype CARCHARIAS TEMMINCKI M. & H.

Isoplagiodon Gill, VII, 35 (400); orthotype CARCHARIAS SORRAH Val.

Aprionodon Gill, VII, 35 (400); orthotype CARCHARIAS ISODON M. & H. Substitute for APRION, preoccupied.

Cynocephalus (Klein) Gill, VII, 35 (400); logotype SQUALUS GLAUCUS L. Name preoccupied in monkeys, unless dating from Klein (*Schauplatz*). A synonym of PRIONACE Cantor.

Boreogaleus Gill, VII, 36 (401); orthotype SQUALUS ARCTICUS Faber.

Chænogaleus Gill, VII, 36 (401); orthotype HEMIGALEUS MACROSTOMA Gthr. Probably not distinct from HEMIGALEUS, which preoccupied name it should perhaps replace.

Reniceps Gill, VII, 37 (402); orthotype SQUALUS TIBURO L.

Cestracion (Klein) Gill, 37 (402); orthotype SQUALUS ZYGÆNA L. A synonym of SPHYRNA Raf., not CESTRACION Cuv., 1817.

Eusphyra Gill, VII, 37 (402); orthotype ZYGÆNA BLOCHI Cuv.

Halælorus Gill, 41 (406) orthotype SCYLLIUM BURGERI M. & H.

Cephaloscyllium Gill, 42 (403); orthotype SCYLLIUM LATICEPS A. Duméril.

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 ichthyologiæ 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 APHANIVUS 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 CHLROPTERUM* 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 *HALICHÆRES 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 MEDIANUS* 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.

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

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

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

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

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.

Hemiarius 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.
Platystomichthys 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.
Tetranemichthys Bleeker, 14; orthotype *AGENIOSUS QUADRIFILIS* Kner.
Psudageneiosus Bleeker, 14; orthotype *AGENEIOSUS BREVIFILIS* Cuv. & Val.
Pseudohypophthalmus Bleeker 15; orthotype *H. FIMBRIATUS* Kner = *H. EDENTULUS* Spix. A synonym of *HYPOPTHALMUS* Spix.
Paracetopsis (Guichenot) Bleeker, 16; orthotype *P. BLEEKERI* Guich.
Wallago Bleeker, 17; orthotype *SILURUS ATTU* Bl. & Schn.
Silurodes Bleeker, 17; orthotype *S. HYPOPTHALMUS* 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.
Acantholatriss 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 Scombroideis*. 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.
- Thyrsitops** Gill, 125; orthotype **THYRSITES LEPIDOPOIDES** Cuv. & Val.
- Eupleurogrammus** Gill, 126; orthotype **TRICHIURUS MUTICUS** Gray.
- Zenopsis** Gill, 126; orthotype **ZEUS NEBULOSUS** T. & S.
- Cyttopsis** Gill, 126; orthotype **ZEUS ROSEUS** Lowe.
- Chondrolites** Gill, 126; orthotype **STROMATEUS ATOUS** Cuv. & Val.
- Poronotus** Gill, 126; orthotype **STROMATEUS TRIACANTHUS** Peck.
- Hoplocoryphus** Gill, 127; orthotype **SCHEDOPHILUS MACULATUS** Gthr.
- Clara** Gill, 127; orthotype **EQUULA LONGIMANUS** Cantor. A synonym of **PENTAPRION** Blkr.
- Psenopsis** Gill, 127; orthotype **TRACHINOTUS ANOMALUS** T. & S.
774. GILL (1862). *Descriptions of New Species of Alepisauroidæ*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Caulopus** Gill, 128; orthotype **ALEPIDOSAURUS BOREALIS** Gill.
775. GILL (1862). *On the West African Genus Hemichromis*, etc. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Epiplatys** Gill, 136; orthotype **E. SEXFASCIATUS** Gill.
- Marcusenius** Gill, 139; orthotype **MORMYRUS CYPRINOIDES** L. Name later, page 444, by some confusion transferred to **MORMYRUS ANGUILLOIDES** L.
- Mormyroides** Gill, 139; orthotype **MORMYRUS HASSELQUISTI** Geoffroy.
- Hyperopisus** Gill, 139; orthotype **MORMYRUS DORSALIS** Geoffroy.
776. GILL (1862). *Catalogue of the Fishes of Lower California . . . Collected by Mr. J. Xantus*. Proc. Acad. Nat. Sci. Phila.
THEODORE GILL.
- Lepidaplois** Gill, 10; orthotype **COSSYPHUS AXILLARIS** Cuv. & Val.
- Chærojulis** Gill, 142; orthotype **JULIS SEMICINCTUS** Ayres. A substitute for **HALICHÆRES** Rüppell, preoccupied by **HALICHÆRUS**; a synonym of **HEMIULIS** Sw., as restricted by Bonaparte.
- Iniistius** Gill, 143; orthotype **XYRICHTHYS PAVO** Cuv. & Val.
- Malacocentrus** Gill, 143; orthotype **XYRICHTHYS 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 *GOBIOUS CRISTAGALLI* Cuv. & Val.

Dormitator Gill, 240; logotype *D. GUNDLACHI* Poey.

Gnathypops Gill, 241; logotype *OPISTHOGNATHUS MAXILLOSUS* Poey.

Lonchopisthus Gill, 241; orthotype *OPISTHOGNATHUS MICROGNATHUS* Poey.

779. GILL (1862). *Catalogue of the Fishes of Lower California . . . Collected by Mr. J. Xantus*. Part II. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Pomacanthodes Gill, 244; orthotype *P. ZONIPECTUS* Gill.

Incisidens Gill, 244; orthotype *CRENIDENS SIMPLEX* Rich.

Opisthistius Gill, 245; orthotype *SCIÆNA TAHMEL* Forskål.

Orthostæchus Gill, 255; orthotype *O. MACULICAUDA* Gill.

Microlepidotus Gill, 255; orthotype *M. INORNATUS* Gill.

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.

Evepigymnus Gill, 261; orthotype *DECAPTERUS HYPODUS* Gill.

780. GILL (1862). *Notes on a Collection of the Fishes of California. . . . by Samuel Hubbard*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Hypocritichthys Gill, 275; orthotype *HYPERPROSOPON ANALIS* Alex. Agassiz

Brachyistius Gill, 275; orthotype *B. FRENATUS* Gill.

Oxylebius Gill, 277; orthotype *O. PICTUS* Gill.

Sebastopsis Gill, 278; orthotype *SEBASTES POLYLEPIS* Cuv. & Val. A synonym of *SCORPÆNODES* Blkr.

Eucyclogobius Gill, 279; orthotype *GOBIOUS NEWBERRYI* Grd.

Melanotænia Gill, 280; orthotype *ATHERINA NIGRANS* Rich.

Melanogrammus Gill, 280; orthotype *GADUS ÆGLIFINUS* L.

Brachygadus Gill, 280; orthotype *GADUS MINUTUS* Yarrell. A synonym of *TRISOPTERUS* Raf., 1814.

781. GILL (1862). *Synopsis of the Species of Lophobranchiate Fishes of Western North America*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Dermatostethus Gill, 283; orthotype *D. PUNCTIPINNIS* Gill.

782. GILL (1862). *Note on Some Genera of Fishes of Western North America*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Sebastichthys Gill, 329; orthotype *SEBASTES NIGROCINCTUS* Ayres.

Paratractus Gill, 330; orthotype *CARANX PISQUETOS* Cuv. & Val. = *SCOMBER CRYOSOS* Mitchill. A section under *CARANX*.

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

Naucratopsis Gill, 441; orthotype *SERIOLA GIGAS* Gthr.

Halatractus Gill, 442; logotype *SERIOLA DUMERILI* Cuv. & Val. A substitute for *SERIOLA*, used in botany; a reason for change no longer recognized.

784. GILL (1862). *Description of a New Generic Type of Mormyroids, etc.* Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Isichthys Gill, 443; orthotype *I. HENRYI* Gill.

Gnathonemus Gill, 444; orthotype *MORMYRUS PETERSI* Gthr.

785. GILL (1862). *On the Classification of the Families and Genera of the Squali of California*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Rhinotriacis Gill, 486; orthotype *R. HENLEI* Gill.

Tropidodus Gill, 489; orthotype *CESTRACION PANTHERINUS* Val.

Entoxychirus Gill, 496; orthotype *SQUALUS UYATO* Raf. A synonym of *CENTROPHORUS* M. & H.

786. GILL (1862). *On the Limits and Affinity of the Family of Leptoscopoids*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

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

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

THEODORE GILL.

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

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

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

Microspathodon Günther, IV, 35; orthotype *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, *AMBLIOPUS 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 Oretton and Farlow Clee Hills, Shropshire*, etc. Quart. Journ. Geol., XVIII.
 JOHN MORRIS; GEORGE E. ROBERTS.

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

795. VALENCIENNES (1862). *Description de quelques espèces de poisson . . . envoyés de Bourbon par M. 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 *SERIOLICHTHYS* 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 calcaires lithographique de Solenhofen d'Oeningen*. Nat. Verh. Holl. Maatsch. Wetensch. Haarlem, XVI.

TIBERIUS CORNELIUS WINKLER (1822-1898).

Brachyichthys Winkler, XIV, 47; orthotype *B. typicus* Winkler (fossil). Should replace *EULEPIPOTUS* (1868) and *HETEROLEPIDOTUS* Egert. (1872).

1863

798. BLEEKER (1863). *Mémoire sur les poissons de la côte de Guinée*. Nat. Verh. Holl. Maatsch. Wetsch., 2 Verz. Deel XVIII, 1863, 1-136.

PIETER BLEEKER.

Glaucus (Klein) Bleeker, 14; orthotype (after Klein) *SCOMBER GLAUCUS* L. A synonym of *CÆSIOMORUS* Lac.

Melanogenes Bleeker, 36; orthotype *M. macrocephalus* Blkr.

Pseudotolithus Bleeker, 59; orthotype *P. typus* Blkr.

799. BLEEKER (1863). *Description de quelques espèces de poissons . . . de Chine . . . Musée de Leide, par M. G. Schlegel*. Nat Tijdschr. Dierk. Indie, I.

PIETER BLEEKER.

Hemisciæna Bleeker, 141; orthotype *COLLICHTHYS LUCIDUS* Günther. A synonym of *COLLICHTHYS* Gthr.

Pseudosciæna Bleeker, 142; orthotype *CORVINA AMBLYCEPS* Blkr., species named. Same as *ARGYROSOMUS* Pylaie, 1835. A synonym of *SCIÆNA* L., as restricted by Cuvier.

800. BLEEKER (1863). *Systema Cyprinoideorum revisum*. Neder. Tijdschr. Dierk., I., 1863, 179-186.

PIETER BLEEKER.

Aplocheilichthys Bleeker, 116; orthotype *A. typus* Blkr. A synonym of *APLOCHEILUS* McCl. The numerous genera here defined are also contained in a second paper written at about the same time.

Gobionichthys Bleeker, 156; orthotype *GOBIO MICROCEPHALUS* Blkr.

Crossocheilichthys Bleeker, 192; orthotype *LOBOCHEILOS COBITIS* Blkr.

Isocephalus (Heckel) Bleeker, 194; orthotype *CYPRINUS BANGON* Ham. Same as *BANGANA* Ham.

Rohitodes Bleeker, 195; orthotype *LABEO CEPHALUS* Cuv. & Val.

Acra Bleeker, 197; tautotype *CYPRINUS ACRA* Ham.; orthotype as indicated by Bleeker, *CYPRINUS SYRIACUS*.

Leptobarbus Bleeker, 202; orthotype *L. hoeveni* Blkr.

Cirrhinichthys Bleeker, 202; orthotype *C. dussumieri*.

Opsariichthys Bleeker, 203; orthotype *LEUCISCUS UNCIROSTRIS* T. & S.; also under No. 805, p. 263.

Paraphoxinus Bleeker, 209; orthotype *PHOXINELLUS ALEPIDOTUS* Heckel. A synonym of *PHOXINELLUS* Heckel.

Trachybrama (Heckel) Bleeker, I, 210; orthotype *ACANTHOBRAMA MARMID* Heckel. A synonym of *ACANTHOBRAMA* Heckel.

Paracheilognathus Bleeker, 213; orthotype *CAPOËTA RHOMBEA* T. & S.

Pseudoperilampus Bleeker, 214; orthotype *P. TYPUS* Blkr.

801. BLEEKER (1863). *Onzième notice sur la faune ichthyologique de l'île d'Obi*. Neder. Tijdschr. Dierk., I, 1863, 228-238.

PIETER BLEEKER.

Paramia Bleeker, 233; orthotype *CHEILODIPTERUS LINEATUS* Lac. A substitute for *CHEILODIPTERUS* (Lac.) Cuv., which name he transfers to the genus called *TEMNODON* Cuv. (*POMATOMUS* Lac.) because the first species named belongs to *POMATOMUS*. A synonym of *CHEILODIPTERUS* as now restricted.

Rhombotides (Klein) Bleeker, 235; orthotype *CHÆTODON TRIOSTEGUS* L. A synonym of *HEPATUS* Gronow or *TEUTHIS* L., as restricted.

Parapercis Bleeker, 236; orthotype *SCIÆNA CYLINDRICA* Bloch.

Parupeneus Bleeker, 342; orthotype *MULLUS BIFASCIATUS* Lac. A synonym of *UPENEUS* Cuv., as first restricted by Bleeker.

802. BLEEKER (1863). *Septième mémoire sur la faune ichthyologique de l'île Timor*. Neder. Tijdschr. Dierk., I 1863, 262-276.

PIETER BLEEKER.

Paradules Bleeker, 267; orthotype *DULES RUPESTRIS* Cuv. & Val. A synonym of *KUHLIA* Gill.

Pseudechidna Bleeker, 272; orthotype *MURÆNA BRUMMERI* Blkr. (*STROPHIDON* Gthr., not of McClelland).

803. BLEEKER (1863). *Sur les genres de la famille des Cobitioïdes*. Versl. Akad. Amsterdam, XV, 1863, 32-44.

PIETER BLEEKER.

Paracobitis Bleeker, 37; orthotype *COBITIS MALAPTERURA* Cuv. & Val.

Lepidocephalichthys Bleeker, 42; orthotype *COBITIS HASSELTII* Cuv. & Val.

803A. BLEEKER (1863). *Systema silurorum revisum*. Neder. Tijdschr. Dierk. I.

PIETER BLEEKER.

Pseudopimelodus Bleeker, I, 101; orthotype *PIMELODUS RANINUS* Cuv. & Val.

804. BLEEKER (1863). *Deuxième notice sur la faune ichthyologique de l'île de Flores*. Neder. Tijdschr. Dierk., I, 1863, 248-252.

PIETER BLEEKER.

Eurypegasmus 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 Doûmet, XV, 212; orthotype *T. MEDITERRANEUS* Doûmet. A synonym of *PSENEs* Cuv. & Val. Doûmet 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 Sciænoid Fishes.* Proc. Nat. Acad. Sci. Phila.

THEODORE GILL.

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

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

THEODORE GILL.

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

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

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

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

Xenichthys Gill, 82; orthotype *X. xanti* Gill.

Moronopsis Gill, 82; orthotype *DULES MARGINATUS* Cuv. & Val. A synonym of *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 *DASYLLUS POLYACANTHUS* Blkr.

Pomataprion Gill 216; orthotype *HYPSEPOPS 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.
Achoerodus Gill, 222; orthotype *COSSYPHUS GOULDI* Rich.
Dimalacocentrus Gill, 223; orthotype *NOVACULA KALLOSOMA* Blkr. A synonym of *NOVACULICHTHYS* Blkr.
Oxyjulis Gill, 223; orthotype *JULIS MODESTUS* Grd.; the name *MODESTUS* preoccupied in *JULIS*; replaced by *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 *BRACHYCHIRUS* Nardo.
Deltentosteus Gill, 263; orthotype *GOBIOUS QUADRIMACULATUS*.
Coryphopterus Gill, 263; orthotype *C. GLAUCOFRÆNUM* Gill. A synonym of *RHINO-GOBIOUS* Gill.

Coryphogobius Gill, 263; obviously a lapse for CORYPHOPTERUS.

Pterogobius Gill, 266; orthotype GOBIUS VIRGO T. & S.

Synechogobius Gill, 266; orthotype GOBIUS HASTA T. & S. A synonym of ACANTHOGOBIOUS 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 AUCUPATORIUS Rich. A synonym of SCARTELAOS Sw.

827. GILL (1863). *Note on the Genera of Hemiramphinae*. Proc. Acad. Nat. Sci. Phila., XV.

THEODORE GILL.

Zenarchopterus Gill, 273; orthotype HEMIRAMPHUS DISPAR Cuv. & Val.

Oxyporhampus Gill, 273; orthotype HEMIRAMPHUS CUSPIDATUS Cuv. & Val.

828. GÜNTHER (1863). *On New Species of Fishes from Victoria, South Australia*. Ann. Mag. Nat. Hist., XI.

ALBERT GÜNTHER.

Melambaphes Günther, XI, 115; orthotype GLYPHIDODON NIGRORIS Gthr., not of Cuv. & Val. = M. GUENTHERI Gill.

Rhombosolea Günther, XI, 117; orthotype R. FLESOIDES Gthr.

829. GÜNTHER (1863). *On New Species of Fishes from the Essequibo*. Ann. Mag. Nat. Hist., XII.

ALBERT GÜNTHER.

Helogenes Günther, XII, 443; orthotype H. MARMORATUS Gthr.

Crenuchus Günther, XII, 443; orthotype C. SPILURUS Gthr.

830. JOHNSON (1863). *Description of Three New Genera of Marine Fishes Obtained at Madeira*. Ann. Mag. Nat. Hist., XIV.

JAMES YATES JOHNSON.

Diretmus Johnson, 403; orthotype D. 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 Podsused*. 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 OPIS-THOPTERUS* Ag. (fossil).

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

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

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

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

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

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

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

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

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

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

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. SCHAFHÄUTL (1863). *Südbayerns Lethæa Geognostica*.

K. E. SCHAFHÄUTL (1803-1890).

- Diaphyodus** Schafhäutl, 246; orthotype *D. OVALIS* Schafhäutl (fossil). A synonym
 of *LABRODON*.

839. SIEBOLD (1863). *Die Süßwasserfische von Mitteleuropa*.

CARL THEODOR ERNST VON SIEBOLD (1804-1885).

- Abramidopsis** Siebold, 117; orthotype *A. LEUCKARTI* Siebold. Thought to be a
 hybrid of *ABRAMIS* and *RUTILUS*.
Bliccopsis Siebold, 142; orthotype *B. ABRAMORUTILUS* Siebold. Thought to be a
 hybrid: *BLICCA* and *RUTILUS*.

840. STEINDACHNER (1863). *Ichthyologische Mittheilungen: V. Ueber einige*
Labroiden. Verh. Zool. Bot. Ges. Wien, XIII.

FRANZ STEINDACHNER.

- Cheiliopsis** Steindachner, 1113; orthotype *C. BIVITTATUS* Steind.

841. STEINDACHNER (1863). *Beiträge zur Kenntniss der fossilen Fischfauna*
Oesterreichs. Sitz. Akad. Wiss. Wien, XLVII.

FRANZ STEINDACHNER.

- Calamostoma** Steindachner, XLVII, 133; logotype *ACANTHURUS CANOSSÆ* Heckel
 (fossil). Name preoccupied, replaced by *AULORHAMPHUS* De Zigno, 1887.

842. STEINDACHNER (1863). *Beiträge zur Kenntniss der 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 Schieferen Bayerns*. IX.

ANDREAS WAGNER.

Heterostrophus Wagner, IX, 614; orthotype H. LATUS Wagner (fossil). Printed HETEROSTICHUS in *Anz. Bayr. Akad. Wiss.*, 1860, p. 63. This name is pre-occupied.

Plesiodus Wagner, IX, 632; orthotype P. PUSTULOSUS Wagner (fossil). A synonym of LEPIDOTES.

Eurycormus Wagner, IX, 707; orthotype E. SPECIOSUS Wagner (fossil). A synonym of MACROPOMA Ag.

Liodesmus Wagner, IX, 709; orthotype PHOLIDOPHORUS GRACILIS Ag. (fossil).

Macrorhipis Wagner, IX, 723; orthotype PACHYCORMUS MUENSTERI Wagner (fossil). A synonym of IONOSCOPUS.

1864

844. VAN BENEDEN & DE KONINCK (1864). *Notice sur le Palædaphus insignis*. Bull. Roy. Soc. Belge, XVII.

PIERRE J. VAN BENEDEN (1809-1894); L. J. DE KONINCK.

Palædaphus Van Beneden & De Koninck, XVII, 150; orthotype P. INSIGNIS Beneden & Koninck (fossil).

845. BLEEKER (1864). *Notice sur la faune ichthyologique de Siam*. Versl. Akad. Amsterdam, XVI, 1864, 352-358.

PIETER BLEEKER.

Heterobagrus Bleeker, 355; orthotype H. BOCOURTI Blkr.

846. BOCAGE & CAPELLO (1864). *Sur quelque espèces inédites de Squallidæ . . . que fréquentent les côtes du Portugal*. Proc. Zool. Soc. London.

JOSÉ VINCENT BARBOZA DU BOCAGE (1823-1907);

FELIX DE BRITO CAPELLO (1838-).

Centroscymnus Bocage & Capello, 263; orthotype C. CÆLOLEPIS Bocage & Capello.

Scymnodon Bocage & Capello, 263; orthotype S. INGENS Bocage & Capello.

847. CANESTRINI (1864). *Studi sui Lepadogaster del Mediterraneo*. Arch. Zool. Anat. Fisiol., III.

GIOVANNI CANESTRINI.

Mirbelia Canestrini, 189; logotype LEPADASTER DECANDOLLII Risso.

848. COCCHI (1864). *Monografia dei Pharyngodopilidæ nuovo famiglia dei pesci Labroidei*. 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 Echineidoidæ.* 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. MARÆNA** 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 **SOLENOSTOMUS** Lac., regarded as preoccupied by **SOLENOSTOMUS** Gronow; and of Klein, which is a synonym of **FISTULARIA** L. Later (1873) Bleeker changed **SOLENICHTHYS** to **SOLENOSTOMATICHTHYS**.

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

PIETER BLEEKER.

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

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

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

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

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

PIETER BLEEKER.

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

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

Pleuranacanthus (Bibron) Bleeker, 65; orthotype **P. ARGENTATUS** Bibron = **TETRAODON 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 terrene ad ittioliti delle provincie Napolitane, etc.*
Atti Reale Accad. Sci. Napoli.

ORONZIO GABRIELE COSTA.

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

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

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

FRANCIS DAY (1829-1889).

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

Platacanthus Day, 296; orthotype *P. AGRENSIS* Day. A synonym of *LEPIDO-CEPHALICHTHYS* Blkr.

Brachygramma Day, 304; orthotype *B. JERDONI* Day. A synonym of *AMBLY-PHARYNGODON* Blkr.

Paradanio (Bleeker) Day, 319; orthotype *PERILAMPUS AUROLINEATUS* Day. A synonym of *DANIO* Ham.

894. DUMÉRIL (AUGUSTE) (1865). *Histoire naturelle des poissons ou ichthyologie générale*. Vol. I.

AUGUSTE HENRI ANDRÉ DUMÉRIL.

Paratrygon Duméril, 594; orthotype a specimen from Brazil, identified as *TRYGON AIREBA* M. & H. = *RAJA ORBICULARIS* Bl. & Schn., usually regarded as replacing *POTAMOTRYGON* Garman, 1877, but Eigenmann considers it as the same as *DISCEUS* Garman.

895. GILL (1865). *Synopsis of the Fishes of the Gulf of St. Lawrence and Bay of Fundy*. Canadian Naturalist, II.

THEODORE GILL.

Stilbius Gill, 262 (18, reprint); orthotype *CYPRINUS AMERICANUS* Lac. A substitute for *STILBE*, preoccupied. A synonym of *NOTEMIGONUS* Raf.

Micristius Gill, 24 (reprint); logotype *FUNDULUS ZONATUS* Cuv. & Val. A synonym of *ZYGONECTES* Ag.

896. GILL (1865). *On the Genus Caulolatilus*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Prolatilus Gill, 66; orthotype *LATILUS JUGULARIS* Cuv. & Val.

897. GILL (1865). *On the Cranial Characters of Gadus proximus* Grd. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Microgadus Gill, 69; orthotype *GADUS PROXIMUS* Grd.

898. GILL (1865). *On a New Genus of Serraninae*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Trisotropis Gill, 104; orthotype *JOHNIUS GUTTATUS* Bl. & Schn. = *PERCA VENENOSA* L.

Enneacentrus Gill, 105; orthotype *PERCE PUNCTATA* L. A synonym of *CEPHALOPHOLIS* Bl. & Schn.

Petrometopon Gill, 105; orthotype *SPARUS CRUENTATUS* Lac.

899. GILL (1865). *On a New Generic Type of Sharks*. Proc. Acad. Nat. Sci. Phila.

THEODORE GILL.

Micristodus Gill, 177; orthotype *M. PUNCTATUS* Gill. A synonym of *RHINEODON* Smith.

900. GILL (1865). *Note on the Family of Myliobatoids with Description of a New Species of Aëtobatis*. Ann. Lyc. N. Y., VII.

THEODORE GILL.

Mylorhina Gill, 136; orthotype *RHINOPTERA LALANDI* M. & H.

Micromesus Gill, 136; orthotype *RHINOPTERA ADSPERSA* M. & H.

901. GÜNTHER (1865). *Description of a New Characinoid Genus of Fish (Phago loricatus) from West Africa*. Ann. Mag. Nat. Hist., XV.

ALBERT GÜNTHER.

Phago Günther, XV, 3; orthotype *P. LORICATUS* Gthr.

902, 903. GÜNTHER (1865). *Zoological Record*. II.

ALBERT GÜNTHER.

Herpetoichthys (Smith) Günther, 159; orthotype *ERPETOICHTHYS MALABARICUS* Smith. Name preoccupied, replaced by *CALAMOICHTHYS* Smith, 1866.

904. JOHNSON (1865). *Description of a New Genus of Trichuroid Fishes Obtained at Madeira, with Remarks, etc.* Proc. Zool. Soc. London.

JAMES YATE JOHNSON.

Nealotus Johnson, 434; orthotype *N. TRIPES* Johnson.

905. KNER (1865). *Einige neue Fische, etc.* Anz. Akad. Wiss. Wien.

RUDOLF KNER.

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

Leius Kner, 186; orthotype *L. 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 *PSEUDO-RASBORA* Blkr.

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

RUDOLPH KNER.

Psalidostoma Kner, L, 99; orthotype *P. CAUDIMACULATUM* Kner.

908. LANKESTER (1865). *On the British Species of Cephalaspis and the Scotch Pteraspis.* Rept. Brit. Assn. Adv. Sci. for 1864.

EDWIN RAY LANKESTER.

Scaphaspis Lankester, 58; orthotype *CEPHALASPIS LLOYDI* Ag. (fossil). = *CEPHALASPIS ROSTRATUS* Ag. A synonym of *PTERASPIS* Ag.

909. LEIDY (1865). (*Tomodon*). Smithsonian Contributions.

JOSEPH LEIDY.

Tomodon Leidy, XIV, 102; orthotype *TOMODON HORRIFICUS* Leidy (fossil); originally described as a reptile tooth, hence needlessly replaced by *DIPLO-TOMODON* Leidy, 1868.

910. LIOY (1865). *Sopre alcuni Avanzi di Plagiostomi fossili del Vicentino, etc.* Atti Soc. Ital. Sci. Nat. Milano, VIII.

PAOLO LIOY (1836-).

Uropterina 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 *SPRATTELLA* 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).

Dactylopogon 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.
Parexocætus 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*.

Platypœcilus 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)

Peltopleurus 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.

Tripterodon Playfair, 42; orthotype *T. ORBIS* Playfair.937. REINHARDT (1866). *Om trendende formentligt ubeskrevne Fisk af Characinernes eller Karpelaxenes familie* Overs. Dansk. Forh. Kjöbenhavn.

JOHANN THEODOR REINHARDT (1816-1882).

Piabina Reinhardt, 49; orthotype *P. ARGENTEA* Reinh.**Characidium** Reinhardt, 56; orthotype *C. FASCIATUM* Reinh.938. SCHMIDT (1866). *Ueber Thyestes verrucosus . . . silurische Fischreste auf der Insel Oesel.* Verh. Min. Ges. St. Petersburg.

FRIEDRICH SCHMIDT (1832-1908).

Tremataspis Schmidt, I, 233; orthotype *CEPHALASPIS SCHRENKI* Pander (fossil).Apparently a synonym of *STIGMOLEPIS* Pander.939. SMITH (1866). *Description of Calamoichthys, a New Genus of Ganoid Fish from Old Calabar, etc.* Trans. Roy. Soc. 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 unternommener Reise.* IV. Sitzb. Akad. Wiss. Wien.

FRANZ STEINDACHNER.

Pachychilon Steindachner, LIV, 263; orthotype *SQUALIUS PICTUS* Heckel & Kner.943. STEINDACHNER (1866). *Zur Fischfauna Kaschmirs und der benachbarten Landesstreiche.* Verh. Zool. Bot. Ges. Wien, XVI.

FRANZ STEINDACHNER.

Kneria Steindachner, 769; orthotype *K. ANGOLENSIS* Steind.**Ctenopharyngodon** Steindachner, 782; orthotype *C. LATICEPS* Steind.**Schizopygopsis** Steindachner, 786; orthotype *S. STOLICZKÆ* Steind.**Diptychus** Steindachner, 787; orthotype *D. MACULATUS* Steind.**Ptychobarbus** Steindachner, 789; orthotype *P. CONIROSTRIS* Steind.944. TROSCHER (1866). *Ein Beitrag zur ichthyologischen Fauna der Insel der Grünen Vorgebirges (Cape Verde Islands).* Arch. Naturg.

FRANZ HERMANN TROSCHER.

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).¹ *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 Cyprinidæ 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* = **ALEPISAURUS** **ÆSCULAPIUS** Bean. Revival of an old name which may be intenable as monomial and printed only in the dative case ("PLAGYODONTEM") by its author.

952. GÜNTHER (1867). *Description of Some Little Known Species of Fishes in . . . the British Museum*. Proc. Zool. Soc. London.

ALBERT GÜNTHER.

Champsodon Günther, 102; orthotype *C. VORAX* Gthr.

953. GÜNTHER (1867). *On a New Form of Mudfish from New Zealand*. Ann. Mag. Nat. Hist., XX.

ALBERT GÜNTHER.

Neochanna Günther, X, 305; orthotype *N. APODA* Gthr.

954. GÜNTHER (1867). *Additions to the Knowledge of Australian Reptiles and Fishes*. Ann. Mag. Nat. Hist., XX.

ALBERT GÜNTHER.

Sticharium Günther, XX, 62, orthotype *S. DORSALE* Gthr.

Notograptus Günther, XX, 63; orthotype *N. GUTTATUS* Gthr.

955. GÜNTHER (1867). *New Fishes from Gaboon and the Gold Coast*. Ann. Nat. Hist.

ALBERT GÜNTHER.

Gymnallabes Günther, XX, 111; orthotype *G. TYPUS* Gthr.

Nannocharax Günther, XX, 112; orthotype *N. FASCIATUS* Gthr.

Xenocharax Günther, XX, 112; orthotype *X. SPILURUS* Gthr.

956. GUICHENOT (1867). *Notice sur le lophiopside, nouveau genre de poisson de la famille de lophioides*, etc. Mem. Soc. Nat. Sci. Cherbourg, XIII.

ALPHONSE GUICHENOT.

Lophiopsides Guichenot, 21; orthotype *LOPHIUS VOMERINUS* Cuv. & Val. Distinguished from *LOPHIUS* by the absence of vomerine teeth; perhaps lost with age.

957. GUICHENOT (1867). *Notice sur le Neosébaste, nouveau genre*, etc. Mem. Soc. Nat. Sci. Cherbourg, XIII.

ALPHONSE GUICHENOT.

Neosebastes Guichenot, XIII, 83; orthotype *N. SCORPÆNOIDES* Guich.

958. GUICHENOT (1867). *Notice sur le Sériolophe, nouveau genre de poissons de la famille des scombéroïdes*, 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). *Monografia 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.

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

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

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

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

PIETER BLEEKER.

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

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

PIETER BLEEKER.

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

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

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

PIETER BLEEKER.

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

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

HERMANN CARL CONRAD BURMEISTER (1807-1892).

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

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

FELIX DE BRITO CAPELLO.

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

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

FELIX DE BRITO CAPELLO.

Osteorachis Egerton, XXIV, 500; orthotype *O. MACROCEPHALUS* Egert. (fossil).

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

Eulepidotus Egerton, XXIV, 505; orthotype *DAPEDIUS FIMBRIATUS* Ag. (fossil).

Unnecessarily "withdrawn" by Egerton and replaced by **HETEROLEPIDOTUS**, 1872, on account of the name "**EULEPIDOTÆ**" applied to typical species of **LEPIDOTES** by Sauvage, 1867.

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

FRANCIS DAY.

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

- 984A. GEINITZ (1868). *Die fossilen Fischschuppen aus der Planerkalke in 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.
- Heliolepis** (Steinla) Geinitz, 43; orthotype Cretaceous scale of "*CLADOCYCLUS*."
- Oolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Coinolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Polypterolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Ptycholepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Pterogrammatolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale of "*CLADOCYCLUS*."
- Agrammatolepis** (Steinla) Geinitz, 43; orthotype a Cretaceous scale (misspelled *ACRAMMATOLEPIS*). Apparently a synonym of *HEMICYCLUS* Geinitz.
- Crommiolepis** (Steinla) Geinitz, 43; orthotype Cretaceous scales referred to *CLADOCYCLUS STREHLENSIS* Geinitz. "Eine Anzahl kleiner Schuppen von denen ein Theil jedenfalls an *CL. STREHLENSIS* gehört. On the rest of these scales Geinitz founds his new genus *HEMICYCLUS*. The type of *CLADOCYCLUS* (*C. GARDNERI* Ag.) is a South American *OSTEOGLOSSID*, and none of these fishes of the German Chalk seems related to it.
- Hemicyclus** Geinitz, 44; orthotype *CLADOCYCLUS STREHLENSIS* Geinitz, in part (fossil scales).
- Prionolepis** (Steinla) Geinitz, 45; orthotype *ZEUS LEWESIENSIS* Mantell = *BERYX ORNATUS* Ag. Cretaceous scales. Apparently a synonym of *HOPLOPTERYX* Ag.
- Goniolepis** (Steinla) Geinitz, 45; orthotype Cretaceous scales. (*HOPLOPTERYX*?)
- Hemigonolepis** (Steinla) Geinitz, 45; orthotype Cretaceous scales. (*HOPLOPTERYX*?)
- Hemicyclolepis** (Steinla) Geinitz, 45; orthotype Cretaceous scales. (*HOPLOPTERYX*?)
- Lophoprionolepis** (Steinla) Geinitz, 47; orthotype *AMIA LEWESIENSIS* Mantell = *MACROPOMA MANTELLI* Ag., orthotype Cretaceous scales. A synonym of *MACROPOMA* Ag.
- Acrogrammatolepis** Geinitz, 47; orthotype *A. STEINLAI* Geinitz (fossil).
- Hemilampronites** Geinitz, 48; orthotype *H. STEINLAI* Geinitz (fossil). (Scales, similar to those of *HYPORHAMPHUS*.)

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

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

- 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 SYSTOMUS PADANGENSIS Blkr.
Pteropsarion Günther, VII, 284; orthotype BARILIUS BAKERI Day.
Opsaridium (Peters) Günther, VII, 286; orthotype O. ZAMBEZENSE Peters (MS.).
 A synonym of BARILIUS Ham.
Bola Günther, 293; tautotype CYPRINUS BOLA Ham. = BOLA GOHA Gthr. Name preoccupied by BOLA Ham.; replaced by 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 CROCODILUS 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 Günthér, 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 Conchipoma 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* Rambau, 1866, a genus of Lepidoptera.

Tropidinius (Gill) Poey, 296; orthotype *MESOPRION ARNILLO* Poey = *APLILUS DENTATUS* Guich.

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

1000. SCHIÖDTE (1868). *Om stillings udvikling hos flynder fiskene.* Nat. Tid., V. JORGEN MATTHIAS CHRISTIAN SCHIÖDTE (1815-1884).

Bascanius Schiödte, V, 269; orthotype *B. TÆDIFER* Schiödte. A larval flounder, probably young of *PLATOPHRYS* or *SYMPHURUS*; name preoccupied as *BAS-CANION*.

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.

Polycirrus Bocourt, V, 22; orthotype *P. DUMERILI* Bocourt. Name preoccupied in worms; replaced by *POLYCLEMUS* Berg, 1895.

1004. BRANDT (1869). *Einige Worte ueber die europäisch-asiatisch Störarten*. Mélanges Biologiques, VII. Bull. Acad. Sci. St. Petersburg.

JOHANN FRIEDRICH BRANDT.

Schipa Brandt, VII, 113; orthotype *ACIPENSER SCHYPA* Eichw. = *A. NUDIVENTRIS* Lovetzky. A synonym of *ANTACEUS* Heckel & Fitzinger.

Sterledus Brandt, VII, 113; orthotype *ACIPENSER RUTHENUS* L. Apparently a variant spelling of *STERLETUS* Heckel & Fitzinger, not a new name and not *STERLETUS* Raf. 1820.

1005. COPE (1869). *Description of Some Extinct Fishes Previously Unknown*. Proc. Boston Soc. Nat. Hist.

EDWARD DRINKER COPE.

Phacodus Cope, XII, 311; orthotype *P. IRREGULARIS* Cope (fossil). Name preoccupied; replaced by *CROMMYODUS* Cope, 1870.

Leptomylus Cope, XII, 313; orthotype *L. DENSUS* (fossil).

Plinthicus Cope, XII, 316; orthotype *P. STENODON* Cope (fossil). An ally of *AËTOBATUS*.

1006. DAY (1869). *Remarks on Some Fishes in the Calcutta Museum*. II. Proc. Zool. Soc. London.

FRANCIS DAY.

Mayoa Day, 553; orthotype *M. MODESTA* Day.

1007. DYBOWSKI (1869). *Vorläufige Mittheilungen über die Fischfauna des Onon-Flusses und die Ingoda in Transbaikalien*. Verh. Zool. Bot. Ges. Wien, XIX, 945-948.

BENEDIKT IVAN DYBOWSKI.

Gobiobarbus Dybowski, XIX, 951; orthotype *CYPRINUS LABEO* Pallas. A synonym of *HEMIBARBUS* Blkr.

Micraspius Dybowski, XIX, 953; orthotype *M. MIANOWSKI* Dybowski.

Pseudaspius Dybowski, XIX, 953; orthotype *CYPRINUS LEPTOCEPHALUS* Pallas.

Ladislavia Dybowski, XIX, 954; orthotype *L. TACZANOWSKII* Dybowski.

1008. GERVAIS (1869). *Paléontologie Générale*.

FRANÇOIS LOUIS PAUL GERVAIS (1816-1879).

Dipristis Gervais, 240; orthotype *D. 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.

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

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

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

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

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

EDWARD DRINKER COPE.

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

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

Parapegasmus (Bleeker) Duméril, 493; orthotype **PEGASUS NATANS** L.**Typhlus** (Bibron MS.) Duméril, 540; logotype **ICHTHYOCAMPUS PONDICERIANUS** Kaup (in synonymy). A synonym of **ICHTHYOCAMPUS** Kaup.**Atelurus** Duméril, 584; orthotype **A. GERMANI** Dum.**Entelurus** Duméril, 605; orthotype **SYNGNATHUS ÆQUOREUS** L. A synonym of **NEROPHIS** Raf.**Hymenolomus** Duméril, 607; orthotype **SYNGNATHUS HYMENOLOMUS** Rich. = **H. RICHARDSONI** Dum. A synonym of **PROTODAMPUS** 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 **TRIÆNODON SMITHI** M. & H. A variant of **LEPTOCARIAS** Smith.**Psammobatis** Günther, VIII, 470; orthotype **P. RUDIS** Gthr.

1028. HANCOCK & ATTHEY (1870). *Notes on an Undescribed Fossil from the Newsham Coalfields near Newcastle-upon-Tyne*. Ann. Mag. Nat. Hist., V.
ALBANY HANCOCK; T. ATTHEY.
Archichthys Hancock & Atthey, V, 268; orthotype *A. SULCIDENS* Hancock & Atthey. Apparently a synonym of *STREPSODUS*.
1029. KLUNZINGER (1870). *Synopsis der Fische des Rothen Meeres*. I. *Percoiden-Mugiloiden*. Verh. K.-K. Zool.-Bot. Ges. Wien, 1870.
CARL BENJAMIN KLUNZINGER (1834-).
Dirrhizodon Klunzinger, XX, 664 (Nov. 2); orthotype *D. ELONGATUS* Klunzinger. A living homologue of *HEMIPRISTIS* Ag.
Pseudoserranus Klunzinger, XX, 687; logotype *PERCA LOUTI* Forskål, as restricted by Bleeker (based on *PERCA LOUTI*, *CABRILLA*, and *SCRIBA*). Regarded by me, following Bleeker, as a synonym of *VARIOLA* Sw. Klunzinger protests against this arrangement in a later paper, *PSEUDOSERRANUS* (type *CABRILLA*) being intended as a substitute for *SERRANUS*, which name of Cuvier he uses for *EPINEPHELUS*.
Paracentropistes Klunzinger, XX, 687; orthotype *LABRUS HEPATUS* L.
Pristiapogon Klunzinger, XX, 715; orthotype *P. FRENATUS* Klunzinger. A synonym of *APOGON* Lac.
Polysteganus Klunzinger, 762; orthotype *P. CÆRULEOPUNCTATUS* Klunzinger.
Gymnocranius Klunzinger, XX, 764; orthotype *DENTEX RIVULATUS* Rüppell. Replaces *PARADENTEX* Blkr.
1030. DE KONINCK (1870). *Notice sur un nouveau genre de poisson fossile de la craie supérieure*. Bull. Acad. Soc. Roy. Bruxelles, XXIX.
LAURENT GUILLAUME DE KONINCK (1809-1887).
Ankistrodus De Koninck, XXIX, 77; orthotype *A. SPLENDENS* De Koninck. A substitute for *ANCISTRODON* Roëmer, 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 Elopidae 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 *DIODON*.

1050. GÜNTHER (1871). *Description of New Percoid Fish from the Macquarie River.* Proc. Zool. Soc. London, 1871, 320.

ALBERT GÜNTHER.

Ctenolates Günther, 320; orthotype *CTENOLATES MACQUARIENSIS* Gthr. = *DATNIA AMBIGUA* Rich.

1051. GÜNTHER (1871). *Report on Several Collections of Fishes Recently Obtained for the British Museum.* Proc. Zool. Soc. London, 1871, 652-675.

ALBERT GÜNTHER.

Blennodesmus Günther, 667; orthotype *B. SCAPULARIS* Gthr.

Halidesmus Günther, 668; orthotype *H. SCAPULARIS* Gthr.

Nannæthiops Günther, 669; orthotype *N. UNITÆNIATUS* Gthr.

Pæciloconger 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*.

Palanarrhichas Le Hon, 10; orthotype *P. CRASSUS* Le Hon (fossil).

Goniobatis Le Hon, 10; orthotype *G. OMALIUSI* Le Hon (fossil). Name preoccupied; a synonym of *AËTOBATUS*.

1054. LEIDY (1871). *Report on the Vertebrate Fossils of the Tertiary Formations of the West*. Rept. Geol. Surv. Terr. for 1870 (1871).

JOSEPH LEIDY.

Oncobatis Leidy, 70; orthotype *O. PENTAGONUS* Leidy (fossil). An ally of *RAJA*.

1055. LÜTKEN (1871). *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 ARGYROTÆNIA* 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 *PHENACOBIVS* Cope, 1867.

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

EDWARD DRINKER COPE.

Apocope Cope, 472; logotype *A. CARRINGTONI* Cope.

Protoporus Cope, 473; orthotype *P. DOMINUS* Cope (young of *TIGOMA LINEATA* Grd.). A synonym of *TIGOMA* Grd.

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

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

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

EDWARD DRINKER COPE.

Erisichthe Cope, 280; orthotype *E. NITIDA* Cope (fossil). A synonym of *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. DITMARI* Dybowski = *PERCA CHUATSI* Basilewsky. A synonym of *SINIPERCA* Gill.

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

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

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

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

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

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

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

PHILIP DE MALPAS GREY EGERTON.

- Heterolepidotus* Egerton, XIII, No. 2; orthotype *H. LATUS* Egert. (fossil).
Platysiagum Egerton, XIII, No. 6; orthotype *P. SCLEROCEPHALUM* Egert. (fossil).
Palæospinax Egerton, XIII, No. 7; orthotype *THYELLINA PRISCA* (fossil).
Drepanephorus Egerton, XIII, No. 9; orthotype *ACRODUS RUGOSUS* Ag. (fossil).
 An extinct analogue of the living *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 **NEOTEPHRAEOPS** Castelnau, and a little earlier; both apparently synonyms of **MELAMBAPHES** Gthr.
- Dinolestes** Klunzinger, 29; orthotype **D. MUELLERI** Klunzinger; replaces **LANIOPERCA** and **NEOSPHYRÆNA**, both a little later in the same year.
1080. PETERS (1872). *Ueber eine neue Gattung von Fischen aus der Familie der Cataphracti Cuv., Scombrocottus salmoneus, 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 **IONOSCOPUS** Costa; first printed as name only in 1858.

 1873

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

1083. VAN BENEDEN (1873). *Sur un nouveau poisson du terrain Bruxellien*. Bull. Acad. Roy. Belgique, XXXV.

PIERRE J. VAN BENEDEN.

Homalorhynchus Van Beneden, XXXV, 210; orthotype **PALÆORHYNCHUM 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 **GوبيUS 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 **MELANOTÆNIA** Gill.

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

Neomyripristis 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 *NANNO-PERCA* 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.

Bleekeria 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 Saræpontana fossilis*.

F. GOLDENBURG (1873-).

Leiolepis Goldenburg, 5; orthotype (not named by Woodward). A synonym of *AMBLYPTERUS* Ag.

1096. GÜNTHER (1873). *New Fishes from Angola*. Ann. Mag. Nat. Hist., 1873, ser. 4, XII, 142-144.

ALBERT GÜNTHER.

Channalabes Günther, 142; orthotype *C. APUS* Gthr.

Bryconæthiops Günther, 143; orthotype *B. MICROSTOMA* Gthr.

1097. GÜNTHER (1873). *Report on a Collection of Fishes from China*. Ann. Mag. Nat. Hist., ser. 4, XII, 239-250.

ALBERT GÜNTHER.

Lophiogobius Günther, 241; orthotype *L. OCELLICAUDA* Gthr. Not identical with *LOPHOGOBIOUS* Gill.

Myloleucus Günther, 247; orthotype *LEUCISCUS ÆTHIOPS* Basilewsky. Name preoccupied by *MYLOLEUCUS* Cope.

Toxabramis Günther, 249; orthotype *T. SWINHONIS* Gthr.

Psephurus Günther, 250; orthotype *POLYODON GLADIUS* Martens.

1098. GÜNTHER (1873). *Andrew Garrett's Fische der 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'Etheostomatidæ*. 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 *HEXAGRAMMOS* Steller.

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

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

PIETER BLEEKER.

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

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

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

PIETER BLEEKER.

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

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

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

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

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

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

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

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

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

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

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

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

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

The names *VALENCIENNEA*, *VALENCIENNESIA*, 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 *VALENCIENNESIA* 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 SEXGUTTATA* Cuv. & Val. In 1874 Bleeker makes *ELEOTRIODES* a synonym of *VALENCIENNESIA*, 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 (*SEXGUTTATA*), is quite probable.

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

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

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

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

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

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

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

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

Triænopogon Bleeker, IX, 312; orthotype *TRIÆNOPHORICHTHYS BARBATUS* Gthr.

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

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

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

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

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

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

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

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

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

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

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

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

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

Centrogobius Bleeker, IX, 321; orthotype *GوبيUS NOTACANTHUS* Blkr. Same as *OPLOPOMUS* Steind., not *OPLOPOMA* Grd.

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

Porogobius Bleeker, IX, 321; orthotype *GوبيUS 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. verz., 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. verz., 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** (**horrída**). But the two seem fairly separable. The earliest subdivision of **Synanceja**, that of Müller in 1843, leaves **verrucosa** as the type of **Synanceja**, **S. horrída** being set off as **Synancidium**. This arrangement apparently must stand. **Synanceichthys**, with **Spurco** (Commerson) and **Emmydrichthys** Jordan and Snyder, become synonyms of **Synanceja**.

1118. COPE (1874). *On Some Batrachians and Nematognathi Brought from the Upper Amazon by Prof. Orton*. Proc. Acad. Nat. Sci. Phila., 1874, 120-137.

EDWARD DRINKER COPE.

Dysichthys Cope, 133; orthotype **D. coracoideus** Cope.

1119. COPE (1874). *On the Plagopterinæ and the Ichthyology of Utah*. Proc. Amer. Philos. Soc., XIV, 122-139.

EDWARD DRINKER COPE.

Plagopterus Cope, 130; orthotype *P. ARGENTISSIMUS* Cope.

Lepidomeda Cope, 131; orthotype *L. VITTATA* Cope.

1120. COPE (1874). *Description of Some Species of Reptiles Obtained by Dr. John F. Bransford, Assistant Surgeon United States Navy, . . . Nicaragua, etc.* Proc. Acad. Nat. Sci. Phila., 1874, 64-72.

EDWARD DRINKER COPE.

Protistius Cope, 66; orthotype *P. SEMOTILUS* Cope.

1121. COPE (1874). *Review of the Vertebrata of the Cretaceous Period Found West of the Mississippi River.* Bull. U. S. Geol. Surv. Terr., I.

EDWARD DRINKER COPE.

Pelecorapis Cope, 39; orthotype *P. VARIUS* Cope (fossil).

Tetheodus Cope, 43; orthotype *T. PEPHREDO* Cope (fossil).

Sporetodus Cope, 47; orthotype *S. JANEVAII* Cope. A synonym of *PTYCHODUS* Ag.

1122. DYBOWSKI (1874). *Fische des Baikal-Wassersystemes.* Verh. K.-K. Zool.-Bot. Ges. Wien, XXIV.

BENEDIKT IVAN DYBOWSKI

Leucichthys Dybowski, 390; logotype *SALMO OMUL* Pallas, nearly or quite identical with *ARGYROSOMUS* Ag., which is preoccupied and replaced by *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., 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 **GوبيUS 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 Pseudochromidoïdes 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 *NOTOGRAPTUS* Gthr.

1145. COLLETT (1875). *Norges fiske, med bemærkninger om deres Udbredelse*. Christiania.

ROBERT COLLETT (1842-1913).

Cottunculus Collett, 20; orthotype *C. MICROPS* Collett.

Latrunculodes Collett, 60; orthotype *GOBIOUS 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.

- Phœbodus* St. John & Worthen, 251; orthotype *P. SOPHIÆ* 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 Gymnocæsis, Pterocæsis, Paracæsis et Liocæsis*. Versl. Med. Akad. Nat., 1876, 149-154.

PIETER BLEEKER.

Gymnocæsis Bleeker, 152; orthotype CÆSIO GYMNOPTERUS Blkr.

Pterocæsis Bleeker, 153; orthotype CÆSIO MULTIRADIATUS Steind.

Liocæsis Blkr., 153; orthotype CÆSIO CYLINDRICUS Blkr.

1162. BLEEKER (1876). *Sur la famille des Pseudochromidoides et révision de ses espèces insulindiennes*. Verh. Akad. Amsterdam, XV, 1-32.

PIETER BLEEKER.

Leptochromis Bleeker, 21; orthotype PSEUDOCROMIS CYANOTÆNIA Blkr.

1163. BLEEKER (1876). *Systema Percarum revisum*. Arch. Néerl. Sci. Nat., XI, 1876, Pars I, 247-288; Pars II, 289-340.

PIETER BLEEKER.

Phæthonichthys Bleeker, 256; orthotype SERRANUS PHÆTON Cuv., a fallacious specimen with the tail of a FISTULARIA fastened on the body of a CEPHALOPHOLIS. A synonym of CEPHALOPHOLIS (same as URIPHÆTON Sw.)

Percamia Bleeker, 260; orthotype MICROPERCA YARRÆ Castelnau, substitute for MICROPERCA Castelnau, preoccupied by MICROPERCA Putnam 1863.

Telescops Bleeker, 261; orthotype POMATOMUS TELESCOPIUM Risso. Substitute for POMATOMUS Cuvier, not of Lacépède. A synonym of EPIGONUS Raf.

Oxylabrax Bleeker, 264; orthotype SCIÆNA UNDECIMALIS Bloch. Name offered as a substitute for CENTROPOMUS Lac., as the first species named under CENTROPOMUS belongs to another genus.

Mesopristes Bleeker, 267; orthotype M. MACRACANTHUS Blkr. (Note in passing, a synonym of DATNIA Cuv.)

Paristiopterus Bleeker, 268; orthotype RICHARDSONIA INSIGNIS Castelnau = HISTIOPTERUS LABIOSUS Gthr. A substitute for RICHARDSONIA Castelnau, 1872, preoccupied.

Pseudopentaceros Bleeker, 270; orthotype PENTACEROS RICHARDSONI Smith. Replaces GILCHRISTIA Jordan.

Paradentex Bleeker, 278; orthotype GYMNOCRANIUS RIVULATUS Klunzinger. A synonym of GYMNOCRANIUS Klunzinger.

Paraconodon Bleeker, 272; orthotype CONODON PACIFICI Gthr.

Mænas (Klein) Bleeker, 273; orthotype SPARUS MÆNA L. = MÆNA VULGARIS Cuv. & Val. A synonym of MÆNA Cuv.

Hemilutjanus Bleeker, 277; orthotype PLECTROPOMA MACROPHTHALMUS Tschudi. This name is no doubt badly chosen, but it cannot be replaced by POMODON Boulenger, 1895.

Banjos Bleeker, 277; orthotype ANOPLUS BANJOS Richardson = BANJOS TYPUS Blkr. A substitute for ANOPLUS T. & S., preoccupied.

- Synagris** (Klein) Bleeker, 278; orthotype *DENTEX VULGARIS* Cuv. & Val. A synonym of *DENTEX* Cuv.
- Puntazzo** Bleeker, 284; orthotype *CHARAX PUNTAZZO* Cuv. & Val. = *P. ANNULARIS* Blkr. A substitute for *CHARAX* Risso, regarded as preoccupied by *CHARAX* Gronow (1763).
- Mænichthys** (Kaup) Bleeker, 291; orthotype *DITREMA TEMMINCKI* Blkr. (passing reference in synonymy). A synonym of *DITREMA* T. & S.
- Pseudambassis** Bleeker, 292; orthotype *CHANDA LALA* Ham.
- Therapaina** (Kaup) Bleeker, 298; orthotype *CHÆTODON STRIGATUS* Langsdorff (passing notice in synonymy). A synonym of *MICROCANTHUS* Sw.
- Helotosoma** (Kaup) Bleeker, 298; orthotype *H. SERVUS* Kaup, said to be *ATYPUS STRIGATUS* Gthr. A synonym of *ATYPICHTHYS* Gthr.
- Cæsiosoma** (Kaup, 1863) Bleeker, 299; orthotype *C. SIEBOLDI* Kaup = *SCORPIS ÆQUIPINNIS* Rich., said to be a synonym of *SCORPIS*.
- Tylometopon** (Van Beneden) Bleeker, 299; orthotype *BRAMA RAJII* Bl. & Schn. (passing notice in synonymy). A synonym of *BRAMA* Cuv.
- Hemitaurichthys** Bleeker, 304; orthotype *CHÆTODON POLYLEPIS* Blkr.
- Chelmonops** Bleeker, 304; orthotype *CHÆTODON TRUNCATUS* Kner.
- 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.
- Cirrhiptera** (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.
- Paraplesichthys** (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 familiæ Scorpænoideorum conspectus analyticus*. Versl. Akad. Amsterdam (2) IX, 1876, 294-300.

PIETER BLEEKER.

Parascorpæna Bleeker, 296; orthotype *SCORPÆNA PICTA* Kuhl & Van Hasselt.

Parapterois Bleeker, 296; orthotype *PTEROIS HETERURUS* Blkr.

Paracentropogon Bleeker, 297; orthotype *APISTUS LONGISPINIS* Cuv. & Val. Prob. ably to be regarded as a synonym of *HYPODYTES* Gistel.

Pseudopterus (Klein) Bleeker, 296; orthotype (after Klein) *GASTEROSTEUS VOLITANS* L. A synonym of *PTEROIS* Cuv.

Amblyapistus Bleeker, 297; orthotype *APISTUS TÆNIANOTUS* Cuv. & Val.

Pteroidichthys Bleeker, 297; orthotype *P. AMBOINENSIS* Blkr.

Cottapistus Bleeker, 298; orthotype *APISTUS COTTOIDES* Cuv. & Val.

Paraploactis Bleeker, 300; orthotype *P. TRACHYDERMA* Blkr.

1166. BLEEKER (1876). *Notice sur les genres et les espèces des Chætodontoides de la sous-famille des Taurichthyiformes*. Versl. Akad. Amsterdam (2) X, 308-320.

PIETER BLEEKER.

Hemichætodon Bleeker, 313; orthotype *CHÆTODON CAPISTRATUS* Bloch.

1167. BLEEKER (1876). *Description de quelques espèces inédites de Pomacentroides de l'Inde Archipélagique*. Versl. Akad. Amsterdam.

PIETER BLEEKER.

Paraglyphidodon Bleeker, XII, 38; orthotype *P. OXYCEPHALUS* Blkr.

1168. CASTELNAU (1876). *Mémoire sur les poissons appelés barramundi par les aborigènes du nord-est de l'Australie*. Journ. Zool. (Gervais), 1876, V, 129-136.

FRANCIS L. CASTELNAU.

Neoceratodus Castelnau, 132; orthotype *N. BLANCHARDI* Castelnau. Prof. W. Baldwin Spencer of the University of Melbourne regards *NEOCERATODUS BLANCHARDI* as an unknown or perhaps fictitious fish, not to be identified with the *Dipneustan*, *CERATODUS FORSTERI* Krefft, which is the type of the genus *EPICERATODUS* Teller. Mr. McCulloch, however, thinks that *EPICERATODUS* is a synonym of *NEOCERATODUS*, Castelnau's account being an inaccurate description of the same fish. *NEOCERATODUS BLANCHARDI* is said to come from Fitzroy River, where the *FORSTERI* does not exist. According to Professor Spencer, the name *BARRAMUNDA* or *BARRAMUNDI*, used by Castelnau, belongs to the Serranoid fish *SCLEROPAGES LEICHARDTI*, a valuable foodfish, which *EPICERATODUS* is not.

1169. COPE & YARROW (1876). *Report on the Collections of Fishes Made in Portions of Nevada, etc., in 1871-1874, by Prof. E. D. Cope and Dr. H. C. Yarrow*. Wheeler's Survey West of 100th Meridian, VI, Zoölogy.

EDWARD DRINKER COPE; HENRY CRÉCY YARROW.

Eritrema Cope, 645; orthotype *APOCOPE HENSHAVII* Cope. A synonym of *APOCOPE* Cope.

Pantosteus Cope, 673; orthotype *MINOMUS PLATYRHYNCHUS* Cope.

1170. COPE (1876). *On a New Genus of Fossil Fishes (Cyclotomodon vagrans)*.
Proc. Acad. Nat. Sci. Phila, 1876, V, 356-357.

EDWARD DRINKER COPE.

Cyclotomodon Cope, 355; orthotype *C. vagrans* Cope (fossil).

1171. COPE (1876). *Description of Some Vertebrate Remains from the Fort Union Beds of Montana*. Proc. Acad. Nat. Sci. Phila., 1876.

EDWARD DRINKER COPE.

Hedronchus Cope, 259; orthotype *H. sternbergi* Cope. A tooth, perhaps not of a fish.

Myledaphus Cope, 260; orthotype *M. bipartitus* Cope.

1172. DAVIS (1876). *On a Bone Bed in the Lower Coal Measures, etc.* Quart. Journ. Geol. Soc., XXXII, 332-340.

JAMES WILLIAM DAVIS (1846-1893).

Hoplonchus Davis, XXXII, 336; orthotype *H. elegans* Davis (fossil).

1173. DAY (1876). *The Fishes of India*. (Part 2.)

FRANCIS DAY.

Apocryptichthys Day, 302; orthotype *Apocryptes cantoris* Day.

Nangra Day, 494; orthotype *N. punctata* Day.

1174. EGERTON (1876). *Notice of Harpactes velox, a Predaceous Ganoid Fish . . . from the Lias of Lyme Regis*. Geol. Mag.

PHILIP DE MALPAS GREY EGERTON.

Harpactes Egerton, 441; orthotype *Harpactes velox* Egerton (fossil). Name preoccupied, later replaced by *Harpactira* Egert.; a synonym of *Osteorachis* Egert.

Harpactira Egerton, 576; orthotype *H. velox* Egert. = *Osteorachis macrocephalus* Egert. (fossil). Name a substitute for *Harpactes*. preoccupied; a synonym of *Osteorachis* Egert.

1175. GOODE (1876). *Catalogue of the Fishes of the Bermudas, etc.* Bull. U. S. Nat. Mus., V.

GEORGE BROWN GOODE (1851-1896).

Pareques (Gill) Goode, 50; orthotype *Grammistes acuminatus* Bl. & Schn.

1176. GÜNTHER (1876). *Remarks on Fishes, With Descriptions of New Fishes in the British Museum, Chiefly from Southern Seas*. Ann. Mag. Nat. Hist., 1876, ser. 4, XVII, 389-472.

ALBERT GÜNTHER.

Holoxenus Günther, 393; orthotype *H. cutaneus* Gthr. A synonym of *Gnathancanthus* Blkr.

Neophrynichthys Günther, 396; orthotype *Psychrolutes latus* Hutton.

1177. GÜNTHER (1876). *Contributions to Our Knowledge of the Fish-Fauna of the Tertiary Deposits of the Highlands of Pedang, Sumatra*. Geol. Mag., 1876, II, dec. 3, 433-440.

ALBERT GÜNTHER.

Hexapsephus Günther, 439; orthotype *H. guentheri* Woodw. (fossil).

1178. JORDAN (1876). *Concerning the Fishes of the Ichthyologia Ohiensis*. Bull. Buffalo Soc. Nat. Hist., 1876, 91-97.

DAVID STARR JORDAN (1851-).

Erimyzon Jordan, 95; orthotype *CYPRINUS OBLONGUS* 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 AMBLOPS* Raf. A synonym of *HYBOPSIS* Ag.

Lythrurus Jordan, 272; orthotype "*SEMOTILUS DIPLÆMIUS* Raf." = *ALBURNUS UMBRATILIS* Grd. = *NOTROPIS LYTHRURUS* Jordan. *S. DIPLÆMIUS* 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.

Lophosilurus 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 *GOBIONOMORUS* Lac.)

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

ANTON JAN FRITSCH.

Sphærolepis Fritsch, 46; orthotype *S. KOUNOVIENSIS* Fritsch (fossil).

1201. GARMAN (1877). *On the Pelvis and External Sexual Organs of Selachians, With Especial Reference to the New Genera Potamotrygon and Disceus.* Proc. Boston Soc. Nat. Hist., 1877, XIX, 197-215.

SAMUEL GARMAN (1846-).

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 *BATHYTHRISSE* Gthr. (Nov. 1, 1877).

1207. JORDAN (1877). *On the Fishes of Northern Indiana*. Proc. Acad. Nat. Sci. Phila., 1877, 42-82.

DAVID STARR JORDAN.

Imostoma Jordan, 49; orthotype *HADROPTERUS SHUMARDI* Grd.

Copelandia Jordan, 56; orthotype *C. ERIARCHA* Jordan, an abnormal variant of *ENNEACANTHUS GLORIOSUS* (Holbrook). A synonym of *ENNEACANTHUS* Gill, based on an aberrant specimen. Also in *Bull. Buffalo Soc. Nat. Hist.*, 1877, 136.

Xenotis Jordan, 76; orthotype *POMOTIS FALLAX* Baird & Girard. A section under *LEPOMIS* Raf.

1208. JORDAN (1877). *A Partial Synopsis of the Fishes of Upper Georgia*. Ann. Lyc. N. Y., XI, 307-377.

DAVID STARR JORDAN.

Xenisma Jordan, 322; orthotype *HYDRARGYRA CATENATA* Ag. A subgenus under *FUNDULUS*.

Helioperca Jordan, 355; orthotype *POMOTIS INCISOR* Cuv. & Val. = *LABRUS PALLIDUS* Mitchill. A section under *LEPOMIS*.

1209. JORDAN (1877). *Notes on 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* Krynicky (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*. Rygggradsdjuren.

AUGUST WILHELM MALM (1821-1882).

Æglefinus Malm, 481; orthotype *GADUS ÆGLEFINUS* L. = *ÆGLEFINUS LINNÆI* Malm. A synonym of *MELANOGRAMMUS* Gill.

Amblyraja Malm, 607; orthotype *RAJA RADIATA* Donovan.

Leucoraja Malm, 609; orthotype *RAJA FULLONICA* L.

1215. MARSH (1877). *Introduction and Succession of Vertebrate Life in America*. Amer. Journ. Sci., XIV.

OTHNIEL CHARLES MARSH.

Heliobatis Marsh, 376; orthotype *H. RADIANS* Marsh (fossil). Both names undefined, hence becoming valid only when located by Woodward, 1889. A synonym of *XIPHOTRYGON* Cope, 1879 (*X. ACUTIDENS*).

1216. PETERS (1877). *Ueber Epigonichthys cultellus, eine neue Gattung und Art der Leptocardii*. Monatsb. Akad. Wiss. Berlin, 1876 (1877), 322-327.

WILHELM (CARL HARTWIG) PETERS.

Epigonichthys Peters, 322; orthotype *E. CULTELLUS* Peters.

1217. PETERS (1877). *Ueber eine merkwürdige von Dr. Buchholz entdeckte neue Gattung von Süßwasserfischen, Pantodon buchholzi, etc.* Monatsb. Akad. Wiss. Berlin, 1876 (1877), 195-200.

WILHELM (CARL HARTWIG) PETERS.

Pantodon Peters, 196; orthotype *P. BUCHHOLZI* Peters.

1218. PETERS (1877). (*Fossil Fishes.*) Preuss. Akad.

WILHELM (CARL HARTWIG) PETERS.

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 Gobius.* Nat. Tidskr. Kjöbenhavn, XI.

GEORG WINTHER (1844-1879).

Lebetus Winther, 49; orthotype *GوبيUS 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 mioceno del Gabbro*. Atti. Soc. Tosc. Sci. Nat. Pisa.

S. DE BOSNIASKI.

Acanthonemopsis Bosniaski, I, 19; orthotype **A. CAPELLINII** Bosniaski (fossil).

1228. CASTELNAU (1878). *Notes on the Fishes of the Norman River*. Proc. Linn. Soc. New S. Wales, 1878, III, 41-51.

FRANCIS L. CASTELNAU

Pseudoambassis Castelnau, 43; logotype **P. MACLEAYI** Castelnau. Apparently a synonym of **AMBASSIS** Cuv. Preoccupied by **PSEUDAMBASSIS** Blkr.

Acanthoperca Castelnau, 45; orthotype **A. GULLIVERI** Castelnau. A synonym of **AMBASSIS**.

Gulliveria Castelnau, 45; logotype **G. FUSCA** Castelnau = **APOGON APRION** Rich. A synonym of **GLOSSAMIA** Gill.

1229. CASTELNAU (1878). *On Several New Australian (Chiefly) Fresh-water Fishes*. Proc. Linn. Soc. New S. Wales, 1878, 140-144.

FRANCIS L. CASTELNAU.

Aristeus Castelnau, 141; logotype **A. FITZROYENSIS** Castelnau. Name preoccupied; a synonym of **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 URANOSCOPIUS* Murray.

1239. GILL (1878). *Myxocyprinus* Gill. Johnson's Cyclopædia.

THEODORE GILL

Myxocyprinus Gill, 1574; orthotype *CARPIODES ASIATICUS* Blkr.

1240. GÜNTHER (1878). *Preliminary Notices of Deep-Sea Fishes Collected During the Voyage of H. M. S. Challenger*. Ann. Mag. Nat. Hist., ser. 5, II, 17-28, 179-187, 248-251.

ALBERT GÜNTHER.

Bathyraco Günther, 18; orthotype *B. ANTARCTICUS* Gthr.

Melanonus Günther, 19; orthotype *M. GRACILIS* Gthr.

Bathynectes Günther, 20; logotype *B. LATICEPS* Gthr.

Typhlonus Günther, 21; orthotype *T. NASUS* Gthr.

Aphyonus Günther, 22; orthotype *A. GELATINOSUS* Gthr.

Acanthonus Günther, 23; orthotype *A. ARMATUS* Gthr.

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.

Platytroctes Günther, 249; orthotype *P. APUS* Gthr.

Xenodermichthys Günther, 250; orthotype *X. NODULOSUS* Gthr.

Cyema Günther, 251; orthotype *C. ATRUM* Gthr.

1241. HILGENDORF (1878). *Ueber das Vorkommen einer Brama-Art und einer neuen Fischgattung Centropholis aus der Nachbarschaft des Genus Brama in den japanischen Meeren.* Sitzb. Ges. Naturf. Freunde Berlin, 1878, 1-2.

FRANZ MARTIN HILGENDORF.

Centropholis Hilgendorf, 1; orthotype *C. PETERSI* Hilgendorf.

1242. HILGENDORF (1878). *Ueber einige neue japanische Fischgattungen.* Sitzb. Ges. Naturf. Freunde Berlin, 1878, 155-157.

FRANZ MARTIN HILGENDORF

Megaperca Hilgendorf, 155; orthotype *M. ISCHINAGI* Hilgendorf. A synonym of *STEREOLEPIS* Ayres.

Liobagrus Hilgendorf, 155; orthotype *L. REINI* Hilgendorf.

1243. JORDAN (1878). *Manual of the Vertebrates of the Northern United States, Including the District East of the Mississippi River and North of North Carolina and Tennessee, Exclusive of Marine Species.* 2d ed., 1-407.

DAVID STARR JORDAN.

Quassilabia Jordan & Brayton, 406; orthotype *LAGOCHILA LACERA* Jordan & Brayton. Substitute for *LAGOCHILA* Jordan & Brayton, regarded as preoccupied by *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 RUBRICOCEUS* 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 provenant des eaux douces de l'Indo-Chine*. Bull. Soc. Philom. Paris, 1878, VII, sér. 2, 233-242.

HENRI ÉMILE SAUVAGE.

Cosmochilus Sauvage, 240; orthotype **C. HARMANDI** Sauvage.

1256. SAUVAGE (1878). *Description de poissons nouvelles ou imparfaitement connus, etc.* Nouv. Arch. Mus. Nat. Hist. Paris, II.

HENRI ÉMILE SAUVAGE.

Pseudosebastes Sauvage, 115; orthotype **SEBASTES BOUGAINVILLEI** Cuv. & Val.

Eusebastes Sauvage, 115; orthotype **SEBASTES SEPTENTRIONALIS** Gaimard. A synonym of **SEBASTES** Cuv.

Elaphocottus Sauvage, 142; logotype **COTTUS PISTILLIGER** Pallas. A synonym of **GYMNOCANTHUS** Sw.

1257. STEINDACHNER (1878). *Ichthyologische Beiträge*. VII. Sitzb. Akad. Wiss. Wien, 1878 (1879), LXXVIII, 1. Abth., 377-400.

FRANZ STEINDACHNER.

Neomyxus Steindachner, 384; orthotype **MYXUS SCLATERI** Steind.

Leptobrama Steindachner, 388; orthotype **L. MUELLERI** Steind.

Cratinus Steindachner, 395; orthotype **C. AGASSIZI** Steind.

1258. STREETS (1878). *Contributions to the Natural History of the Hawaiian and Fanning Islands and Lower California*. Bull. U. S. Nat. Mus., 1878, VII, 43-102.

THOMAS HALE STREETS (1847-).

Sebastapistes (Gill) Streets, 62; orthotype **SEBASTES STRONGIA** Cuv. & Val.

1259. VAILLANT & BOCOURT (1878). *Études sur les poissons*. Mission Scientifique au Mexique, etc., IV.

LÉON LOUIS VAILLANT; FIRMIN BOCOURT.

Itaiara Vaillant & Bocourt, 67; orthotype **SERRANUS ITAIARA** Lichtenstein = **PERCA GUTTATA** L. A synonym of **PROMICROPS** Poey.

1260. WINKLER (1878). *Mémoire sur quelques restes de poissons du système heersien*. Arch. Mus. Teyler Haarlem, IV.

TIBERIUS CORNELIUS WINKLER.

Cycloides Winkler, 3; orthotype *C. INCISUS* Winkler (fossil). A fragment perhaps not of a fish.

Trigonodus Winkler, 14; orthotype *SQUATINA PRIMA* Noetling (fossil). A synonym of *THAUMAS* Münster.

1261. WINKLER (1878). *Deuxième Mémoire sur les dents de poissons fossiles du terrain bruxellien*. Arch. Mus. Teyler Haarlem.

TIBERIUS CORNELIUS WINKLER.

Trichiurides Winkler, 31; orthotype *T. SAGITTIDENS* Winkler (fossil).

1879.

1262. BASSANI (1879). *Vorläufige Mittheilungen über die (fossil) Fischfaune der Insel Lesina*. Verh. Geol. Reichsanst. Wien, 1879, 162-170.

FRANCESCO BASSANI.

Aphanepygus Bassani, 162; Orthotype *A. ELEGANS* Bassani (fossil). A synonym of *PETALOPTERYX* Pictet.

Prochanos Bassani, 165; orthotype *P. RECTIFRONS* Bassani (fossil).

Hemielopopsis Bassani, 166; orthotype *H. SUESSI* Bassani (fossil). An extinct homologue of *HISTIALOSA*.

1263. BEAN (1879). *Description of Some Genera and Species of Alaskan Fishes*. Proc. U. S. Nat. Mus., II.

TARLETON HOFFMAN BEAN (1846-1918.)

Melletes Bean, 354; orthotype *M. PAPILIO* Bean.

Dallia Bean, 358; orthotype *D. PECTORALIS* Bean.

1264. BLEEKER (1879). *Mémoire sur les poissons à pharyngiens labyrinthiformes de l'Inde archipélagique*. Verh. Akad. Amsterdam, XIX, 1879, 1-56.

PIETER BLEEKER.

Pseudosphromenus Bleeker, 2; orthotype *OSPHROMENUS OPERCULARIS* Blkr.

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

1265. BLEEKER (1879). *Révision des espèces insulindiennes de la famille des Calionymoides*. Versl. Akad. Amsterdam (2), XIV, 1879, 79-107.

PIETER BLEEKER.

Eleutherochir Bleeker 103; orthotype *E. OPERCULARIODES* 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 Pleuroodus . . . 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. Petersb., 1879, XXV, 282-310.

KARL THEODOROVICH KESSLER.

Aspiorhynchus Kessler, 289; orthotype, *A. PREZWALSKII* Kessler.

1282. LOCKINGTON (1879). *Description of New Genera and Species of Fishes from the Coast of California.* Proc. U. S. Nat. Mus., II, 326-332.

WILLIAM NEALE LOCKINGTON (1842-1902).

Leurynnis Lockington, 326; orthotype *LEURYNNIS PAUCIDENS* Lockington (male of *LYCODOPSIS PACIFICUS* Collett) (issued March 25, 1880). A synonym of *LYCODOPSIS* Collett (Aug. 1, 1879).

Odontopyxis Lockington, 326; orthotype *O. TRISPINOSUS* Lockington.

1283. LOCKINGTON (1879). *On a New Genus of 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 Museum 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. CONSTANCIÆ* 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. polyphilus* 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. emiliæ* 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 (Xystreurus liolepis) from Santa Catalina, California.* Proc. U. S. Nat. Mus., 1880, III, 34-36.

DAVID STARR JORDAN; CHARLES HENRY GILBERT.

Xystreurus 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 Platyrrhina 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 Fische Sammlung aus Ningpo.* Monatsb. Akad. Wiss. Berlin, 1880, 921-927.

WILHELM (CARL HARTWIG) PETERS.

Distœchodon 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 *DELTODUS*.

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

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

Orthopleuroodus 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 scombrérodés, 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. Gesamt. 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.

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