

LELAND STANFORD JUNIOR UNIVERSITY PUBLICATIONS
UNIVERSITY SERIES

THE GENERA OF FISHES

PART IV.

FROM 1881 TO 1920, THIRTY-NINE YEARS, WITH THE
ACCEPTED TYPE OF EACH

A CONTRIBUTION TO THE STABILITY OF SCIENTIFIC NOMENCLATURE

BY

DAVID STARR JORDAN

Chancellor-Emeritus of Stanford University

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STANFORD UNIVERSITY, CALIFORNIA

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- 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.
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- 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.
- THE FLÜGEL MEMORIAL VOLUME. Papers by Ewald Flügel, late Professor of English Philology, his Colleagues and Students. 232 pp. 1916. Price \$1.50.

(Continued on third page of cover.)



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INTRODUCTORY NOTE

The present memoir is the fourth and concluding part of a catalogue of generic names applied to fishes subsequent to the establishment of the Binomial or Linnæan system of nomenclature, which dates from January 1, 1758.

It covers the late modern period in Ichthyology, signalized especially by explorations of the deep sea, of fossil beds, and of the darker continents. The unexampled explorations of Eigenmann in South America belong to this period, as also the records of Boulenger of the fishes of South Africa and the varied researches of Regan in the rich material of the British Museum. In this period the fauna of Australia, Japan, and Siberia have been critically and successfully studied. Our knowledge of fossil fishes is assuming definite form through the work of Woodward, Zittel, Hay, and others who have given Palæontology a constructive turn.

At the end of this period is recorded the death (December 10, 1919) of the veteran ichthyologist, Franz Steindachner, of Vienna, whose excellent papers mark the years from 1859 to 1915.

The present writer, as a life-long teacher of Biology, may be pardoned a personal reference. Himself a student of Agassiz and Gill of the earlier periods, he has had the honor of being also a friend, to some extent, a *protégé*, of Baird, Günther, Vaillant, Lütken, Hilgendorf, and Cope. In addition he has numbered among his own students many of those active in systematic ichthyology during the late modern period.

Among these are Gilbert, Eigenmann, Evermann, Bollman, Snyder, Starks, Jenkins, Meek, Fowler, Hubbs, Seale, Richardson (R. E.), Oshima, Abbott, Burke, Brayton, Cramer, Culver, Davis (B. M.), Fesler, Fordice, Gilbert (J. Z.), Goss, Greeley, Heller, Herre, Kirsch, McGregor, Pierson, Metz, Rutter, Snodgrass, Swain, Thoburn (W. W.), Thompson (W. F.), Weymouth, Williams (T. M.), Otaki (K.), and Woolman.

It is a pleasure to repeat my acknowledgments to the naturalists mentioned in Part III, as having given valuable assistance. I am also indebted to Arthur W. Henn of the American Museum, for looking up obscure names. My thanks are especially due to Masamitsu Oshima for the arrangement of the generic names given in the *Zoological Record*.

DAVID STARR JORDAN.

THE GENERA OF FISHES

PART IV

1881

1329. BEAN (1881). *Descriptions of New Fishes from Alaska and Siberia*. Proc. U. S. Nat. Mus., 1881, IV, 144-159.

TARLETON HOFFMAN BEAN.

Ptilichthys Bean, 157; orthotype *P. GOODEI* Bean.

1330. BEAN (1881). *Notes on a Collection of Fishes Made by Captain Henry E. Nichols, U. S. N., in British Columbia and Southern Alaska*. Proc. U. S. Nat. Mus., 1881, IV, 436-474.

TARLETON HOFFMAN BEAN.

Delolepis Bean, 465; orthotype *D. VIRGATUS* Bean.

1331. COPE (1881). *A New Genus of Catostomidæ (Lipomyzon)*. American Naturalist, XV (January, 1881).

EDWARD DRINKER COPE.

Lipomyzon Cope, 59; orthotype *CHASMISTES BREVIROSTRIS* Cope.

1332. DAVIS (1881). *On the Zoological Position of the Genus Petalorhynchus Ag., a Fossil Fish from the Mountain Limestone*. Rept. Brit. Assoc. Adv. Sci.

JAMES WILLIAM DAVIS.

Diodontopsodus Davis, 646; orthotype (*PRISTODUS FALCATUS* Ag.) (fossil). Replaces *PRISTODUS* Ag. (62), which until 1883 was a name only.

1333. DAVIS (1881). *On the Genera Ctenoptychius, etc.* Ann. Mag. Nat. Hist., VII.

JAMES WILLIAM DAVIS.

Ctenopetalus (Agassiz) Davis, 426; orthotype *PETALODUS SERRATUS* (Ag.) Owen. A synonym of *CTENOPTYCHIUS* Ag.

Harpacodus (Agassiz) Davis, 426; orthotype *PETALODUS* (Ag.) Owen (fossil). A synonym of *CTENOPTYCHIUS* Ag.

1334. DAVIS (1881). *On Anodontacanthus . . . Fossil Fishes from the Coal Measures*. Quart. Journ. Geol. Soc., XXXVII.

JAMES WILLIAM DAVIS.

Anodontacanthus Davis, 427; orthotype *A. ACUTUS* Davis (fossil). A synonym of *ORACANTHUS* Ag.

1335. GARMAN (1881). *New and Little Known Reptiles and Fishes in the Museum Collections*. Bull. Mus. Comp. Zool., VIII.

SAMUEL GARMAN.

Stypodon Garman, 90; orthotype *S. SIGNIFER* Garman.

1336. GILL (1881). *Record of Recent Scientific Progress: A Deep-sea Rockfish*. Ann. Rept. Smithsonian Inst. for 1880.

THEODORE GILL.

Sebastolobus Gill, 375; orthotype *SEBASTES MACROCHIR* Gthr.

1337. GÜNTHER (1881). *Account of the Zoological Collection Made During the Survey of H. M. S. Alert in the Straits of Magellan and on the Coast of Patagonia*. Proc. Zool. Soc. London, 2-141.
Melanostigma Günther, 20; orthotype *M. GELATINOSUM* Gthr.
1338. JORDAN & GILBERT (1881). *Notes on the Fishes of the Pacific Coast of the United States*. Proc. U. S. Nat. Mus., 1881.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
Polistotrema (Gill) Jordan & Gilbert, 30; orthotype *GASTROBRANCHUS DOMBEY* Cuv. = *BDELLOSTOMA STOUTI* Lockington. Also noted on page 18 by Jordan & Jouy.
1339. JORDAN & GILBERT (1881). *Description of Thirty-three New Species of Fishes from Mazatlan, Mexico*. Proc. U. S. Nat. Mus., IV.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
Etropus Jordan & Gilbert, 364; orthotype *ETROPUS CROSSOTUS* J. & G.
1340. JORDAN & GILBERT (1881). *Description of Nineteen New Species of Fishes from the Bay of Panama*. Bull. U. S. Fish Commission, I, for 1881.
 DAVID STARR JORDAN; CHARLES HENRY GILBERT.
Cerdale Jordan & Gilbert, 332; orthotype *C. IONTHAS* J. & G.
1341. GORJANOVIC-KRAMBERGER (1881). *Studien über die Gattung Saurocephalus Harlan; ein Beitrag zur Neocom-Fischfauna der Insel Lesina*, Jahrb. Geol. Reichsanstalt Wien, XXXI.
 DRAGUTIN GORJANOVIC-KRAMBERGER.
Solenodon Kramberger, 373; orthotype *S. NEOCOMIENSIS* Kramberger (fossil) = *SAUROCEPHALUS LYCODON* Kner. Regarded by Woodward as a synonym of *ENCHODUS* Ag., the name *SOLENDON* preoccupied; replaced by *HOLCODON* Kramberger, 1885.
1342. LOCKINGTON (1881). *Description of a New Genus and Species of Cottidæ*. Proc. U. S. Nat. Mus., 1881, 141-144.
 WILLIAM NEALE LOCKINGTON.
Chitonotus Lockington, 141; orthotype *C. MEGACEPHALUS* Lockington.
1343. LUNEL (1881). *Liste de quelques espèces de poissons, nouvelles pour la faune de l'île Maurice*. Mém. Soc. Phys. Genève, XXVII, 266-387.
 GODEFROY LUNEL.
Penetopteryx Lunel, 275; orthotype *P. TÆNIOCEPHALUS* Lunel.
1344. MACLEAY (1881). *Descriptive Catalogue of the Fishes of Australia*. Proc. Linn. Soc. New S. Wales, 1881. Also issued in two bound volumes.
 WILLIAM MACLEAY.
Neopempheris Macleay, 517; orthotype *N. RAMSAYI* Macleay. A synonym of *LEPTOBRAMA*.
- Teratorhombus** Macleay, 126; orthotype *T. EXCISICEPS* Macleay. Said to be a synonym of *PSEUDORHOMBUS* Blkr.
- Cainosilurus** Macleay, 147; orthotype *NEOSILURUS AUSTRALIS* Castelnau. Substitute for *NEOSILURUS* Castelnau, preoccupied.
1345. MOREAU (1881). *Histoire naturelle des poissons de France*.
 ÉMILE MOREAU (1823-1896).
Flesus Moreau, II, 301; orthotype *PLEURONECTES FLESUS* L.

1346. POEY (1881). *Peces*. (In *Apuntes para la fauna puerto-riqueña*, by Juan Gundlach. Ann. Soc. Española Hist. Nat. Madrid, X, 317-350.

FELIPE POEY Y ALOY.

Monosira Poey, 326; orthotype M. STAHLI Poey. A synonym of AMIA Gronow or APOGON Lac.

1347. RZEHAK (1881). *Ueber das Vorkommen und die geologische Bedeutung der Clupeidengattung*. Brünn.

A. RZEHAK.

Anaglyphus Rzehak, 79; orthotype A. INSIGNIS Rzehak (fossil).

Eupalæoniscus Rzehak, 79; orthotype PALÆONISCUM FRIESLEBENENSIS Blainv. (fossil). An unexplained substitute for PALÆONISCUM Blainv.

1348. SMITH, R. (1881). *Description of a New Gobioid Fish (Othonopseos) from San Diego, California*. Proc. U. S. Nat. Mus., IV.

ROSA SMITH (1859-) (afterwards Mrs. Carl. H. Eigenmann).

Othonops Rosa Smith, 19; orthotype O. EOS Smith = TYPHLOGOBIUS CALIFORNIENSIS Steind. A synonym of TYPHLOGOBIUS Steind.

1349. STEINDACHNER (1881). *Ichthyologische Beiträge*. X. Sitzb. Akad. Wiss. Wien, 1881, LXXXIII, 179-219.

FRANZ STEINDACHNER.

Cyclopterichthys Steindachner, 192; orthotype C. GLABER Steind. A synonym of APTOCYCLUS Pylaie.

Breitensteinia Steindachner, 213; orthotype B. INSIGNIS Steind.

1350. STEINDACHNER (1881). *Ichthyologische Beiträge*. XI. Sitzb. Akad. Wiss. Wien, LXXXIII, 393-408 (May 5, 1881).

FRANZ STEINDACHNER.

Schedophilopsis Steindachner, 100; orthotype S. SPINOSUS Steind. = ICOSTEUS ÆNIGMATICUS Lockington. A synonym of ICOSTEUS Lockington.

Parachela Steindachner, 404 (12); orthotype P. BREITENSTEINI Steind. (*Borneo*).

1351. THOMINOT (1881). *Sur deux genres nouveaux de poissons faisant partie de la famille des squamipinnes et rapportés d'Australie par J. Verreaux*. Bull. Soc. Philom. Paris, 1881, VII, sér. 8, 140-142.

ALEXANDRE THOMINOT.

Tilodon Thominot, 140; orthotype T. AUSTRALIS Thominot.

Diodyxodon Thominot, 142; orthotype D. AUSTRALIS Thominot. Not DOYDIXODON Val.

1352. TRAQUAIR (1881). *Notice of New Fish-Remains from the Blackband Ironstone of Borough Lee, Near Edinburgh*. Geol. Mag., 1881, II, decade VIII, 34-37.

RAMSAY HEATLEY TRAQUAIR.

Cynopodius Traquair, 35; orthotype C. CRENULATUS Traquair (fossil).

Euctenius Traquair, 36-334; logotype CTENOPTYCHIUS UNILATERALIS Barkas (fossil).

Ganopristodus Traquair, 37; orthotype G. SPLENDENS Traquair (fossil). A synonym of URONEMUS Ag.

1353. TRAQUAIR (1881). *Report on Fossil Fishes Collected by the Geological Survey of Scotland in Eskdale and Liddesdale*. Trans. Roy. Soc. Edinburgh, 1881, XXX, 15-71.

RAMSAY HEATLEY TRAQUAIR.

Phanerosteon Traquair, 39; orthotype *P. MIRABILE* Traquair (fossil).

Holurus Traquair, 43; orthotype *H. PARKI* Traquair (fossil).

Canobius Traquair, 46; orthotype *C. RAMSAYI* Traquair (fossil).

Cheirodopsis Traquair, 56; orthotype *C. GEIKIEI* Traquair (fossil).

Tarrasius Traquair, 61; orthotype *T. PROBLEMATICUS* Traquair.

1354. TRAQUAIR (1881). *Notice of New Fish Remains from the Blackband Ironstone of Borough Lee, Near Edinburgh*. Geol. Mag., decade VIII, 491-494.

RAMSAY HEATLEY TRAQUAIR.

Cryphiolepis Traquair, 491; orthotype *CÆLACANTHUS STRIATUS* Traquair (fossil).

1355. VETTER (1881). *Die Fische aus dem lithographischen Schiefer im Dresdner Museum*. Mitt. Mus., IV, Dresden, 1881.

BENJAMIN VETTER (1848-1893).

Eusemius Vetter, 51; orthotype *E. BEATÆ* Vetter (fossil).

Diplolepis Vetter, 91; orthotype (*SAUROPSIS LONGIMANUS* Ag.) (fossil). A synonym of *SAUROPSIS* Ag., the name twice preoccupied.

Agassizia Vetter, 97; orthotype *EUGNATHUS TITANIUS* Wagner (fossil). Name twice preoccupied, replaced by *ASTHENOCORMUS* Woodw., 1895.

Lophiurus Vetter, 116; orthotype *L. MINUTUS* Vetter (fossil). A synonym of *LIODESMUS* Wagner.

1356. WHITEAVES (1881). *Some Remarkable Fossil Fishes from the Devonian Rocks of Scaumenac Bay, . . . Quebec . . .* Canadian Naturalist, X.

JOSEPH FREDERICK WHITEAVES (1835-1909).

Eusthenopleuron Whiteaves, 30; orthotype *E. FOORDI* Whiteaves (fossil).

1882

1357. BASSANI (1882). *Descrizioni dei pesci fossili di Lesina . . .*

FRANCESCO BASSANI.

Opsigonus (Kramberger) Bassani, 200; orthotype *O. MEGALURIFORMIS* Kramberger (fossil).

1358. BOGH DANOV (1882). *Sketch of the Expeditions and Natural History Investigations in the Aral-Caspian Region from 1720 to 1874*. (Not verified.)

MODEST NIKOLAEVICH BOGH DANOV (1841-1888).

Kessleria Boghdanov, II, 3; orthotype *SCAPHIRHYNCHUS FEDTSCHENKOI* Kessler. This generic name is rejected by L. S. Berg, as a nomen nudum, which received its first definition in Jordan's *Guide to the Study of Fishes*, II, 20, 1905. But Boghdanov's species, *S. FEDTSCHENKOI* Kessler, was described in 1872 and was a well known species. *KESSLERIA* should therefore be preferred to *PSEUDOSCAPHIRHYNCHUS* Nikolski.

1359. DÖDERLEIN (1882). *Ein Stomiatide aus Japan*. Arch. Naturg. (2), XLVIII, 26-31.

LUDWIG DÖDERLEIN (1855-).

Lucifer Döderlein, 26; orthotype *L. ALBIPINNIS* Döderlein.

1360. FACCIOLÀ (1882). *Note sui pesce del stretto di Messina*. X (part 1). 166-168. Naturalista Siciliano, I, for 1882.

LUIGI FACCIOLÀ.

Alepichthys Facciola, 167; orthotype *A. ARGYROGASTER* Facciola.

1361. GIGLIOLI (1882). *New and Very Rare Fish from the Mediterranean*. Naturalist, XXV.

ENRICO HILLYER GIGLIOLI.

Paradoxichthys Giglioli, 535; orthotype NOTACANTHUS RISSOANUS Giglioli. A synonym of POLYACANTHONOTUS.

Teratichthys Giglioli, 574; orthotype T. GARIBALDIANUS Giglioli. A synonym of POLYACANTHONOTUS Blkr.; name preoccupied in fossil fishes.

1362. GILL (1882). *Supplementary Note on the Pediculati*. Proc. U. S. Nat. Mus., V.

THEODORE GILL.

Lophiomus Gill, 552; orthotype LOPHIUS SETIGERUS Vahl.

1363. GOODE & BEAN (1882). *Reports on the Results of Dredging Under the Supervision of Alexander Agassiz, on the East Coast of the United States, During the Summer of 1880, by the U. S. Coast Survey Steamer Blake, etc.* Bull. Mus. Comp. Zool. Harvard College, 1882, X, 183-226.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Notosema Goode & Bean, 193; orthotype N. DILECTA Goode & Bean.

Chalinura Goode & Bean, 199; orthotype C. SIMULA Goode & Bean.

Barathrodemus Goode & Bean, 200; orthotype B. MANATINUS Goode & Bean.

Dicrolene Goode & Bean, 202; orthotype D. INTRONIGER Goode & Bean.

Lycodonus Goode & Bean, 208; orthotype L. MIRABILIS Goode & Bean.

Poromitra Goode & Bean, 214; orthotype P. CAPITO Goode & Bean.

Cyclothone Goode & Bean, 221; orthotype C. LUSCA Goode & Bean.

1364. GOODE & BEAN (1882). *Benthodesmus, a New Genus of Deep-sea Fishes, allied to Lepidopus*. Proc. U. S. Nat. Mus., 1882, V, 379-383.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Benthodesmus Goode & Bean, 380; orthotype LEPIDOPUS ELONGATUS Clarke.

1365. GOODE & BEAN (1882). *Descriptions of Twenty-five New Species of Fish from the Southern United States, and Three New Genera, Letharchus, Ioglossus, and Chriodorus*. Proc. U. S. Nat. Mus., 1882, V, 412-437.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Baiostoma Bean, 413; orthotype B. BRACHIALIS Bean. A synonym of ACHIRUS Lac.

Ioglossus Bean, 419; orthotype I. CALLIURUS Bean.

Chriodorus Goode & Bean, 431; orthotype C. ATHERINOIDES Goode & Bean.

Letharchus Goode & Bean, 436; orthotype L. VELIFER Goode & Bean.

1366. GUIMARAËS (1882). *Description d'un nouveau poisson de Portugal*. Jorn. Sci. Lisboa, VIII, for 1881 (1882).

ANTONIO ROBERTO GUIMARAËS.

Pseudohelotes Guimaraës, 222; orthotype P. GUENTHERI Capello (Ms.).

1367. HAY (1882). *On a Collection of Fishes from the Lower Mississippi*. Bull. U. S. Fish Comm., II, 57-75.

OLIVER PERRY HAY.

Tirodon Hay, 68; orthotype T. AMNIGENUS Hay.

1368. JORDAN (1882). *The Fishes of Ohio*. Rept. Geol. Surv. Ohio, IV.

DAVID STARR JORDAN.

Coccotis Jordan, 852; orthotype HYPHILEPIS COCCOGENIS Cope.

Erimystax Jordan, 858; orthotype LUXILUS DISSIMILIS Kirtland.

1369. JORDAN & GILBERT (1882). *Notes on Fishes Observed About Pensacola, Florida, and Galveston, Texas, etc.* Proc. U. S. Nat. Mus., V, 1882.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Ioglossus** (Bean) Jordan & Gilbert, 297; orthotype *I. CALLIURUS* Bean (description in detail on page 419).
1370. JORDAN & GILBERT (1882). *Notes on a Collection of Fishes from Charleston, South Carolina, With Descriptions of Three New Species.* Proc. U. S. Nat. Mus., 1882, V, 580-620.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Querimana** Jordan & Gilbert, 588; orthotype *MYXUS HARENGUS* Gthr.
- Pneumatophorus** Jordan & Gilbert, 593; orthotype *SCOMBER PNEUMATOPHORUS* De la Roche = *SCOMBER COLIAS* Gmelin.
1371. JORDAN & GILBERT (1882). *List of Fishes Now in the Museum of Yale College Collected by Prof. Frank H. Bradley at Panama, etc.* Proc. U. S. Nat. Mus., 1882.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Emblemaria** Jordan & Gilbert, 627; orthotype *E. NIVIPES* J. & G.
1372. JORDAN & GILBERT (1882). *A Review of the Siluroid Fishes Found on the Pacific Coast of Tropical America, etc.* Bull. U. S. Fish Comm., II.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Cathorops** Jordan & Gilbert, II, 54; orthotype *ARIUS HYPOPHTHALMUS* Steind.
1373. JORDAN & GILBERT (1882). *Synopsis of the Fishes of North America.* Bull. U. S. Nat. Mus., 1882 (September), XVI, 1-1018.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- Creolus** Jordan & Gilbert, XXXVI; orthotype *SERRANUS FURCIFER* J. & G. Substitute for *BRACHYRHINUS* Gill, preoccupied. Withdrawn in the text, being a synonym of *PARANTHIAS* Guich.
- Trycherodon** (Forbes) Jordan & Gilbert, 247; orthotype *T. MEGALOPS* Forbes. A synonym of *OPSOPÆDUS* Hay.
- Euthynnus** (Lütken) Jordan & Gilbert, 429; orthotype *THYNNUS PELAMYS* L.
- Bothragonus** (Gill) Jordan & Gilbert, 728; orthotype *HYPAGONUS SWANI* Steind.
- Isesthes** Jordan & Gilbert, 757; orthotype *BLENNIUS GENTILIS* Grd.; a synonym of *HYPUBLENNIUS* Gill.
- Isopsetta** (Lockington) Jordan & Gilbert, 832; orthotype *LEPIDOPSETTA ISOLEPIS* Lockington.
- Xenistius** Jordan & Gilbert, 920; orthotype *XENICHTHYS CALIFORNIENSIS* Steind.
1374. GORJANOVIC-KRAMBERGER (1882). *Die jüngsttertiäre Fischfauna Croatiens.* Parts I-II. Beitr. Palæont. Oesterr.-Ungarn, 1882, II, 86-135 (*ibid.* 1883, II, 65-85).
DRAGUTIN GORJANOVIC-KRAMBERGER.
- Metoponichthys** Kramberger, 104; orthotype *M. LONGIROSTRIS* Kramberger (fossil). Same as *PROANTIGONIA* Kramberger, and having page priority.
- Proantigonia** Kramberger, 131; orthotype *P. RABDOBOJANA* Kramberger (fossil). A synonym of *METOPONICHTHYS*.
1375. MACLEAY (1882). *Notes on the Pleuronectidæ of Port Jackson, With Descriptions of Two Hitherto Unobserved Species.* Proc. Linn. Soc. New S. Wales, 1882, VII, 11-15.
WILLIAM MACLEAY.

- Lophorhombus** Macleay, 14; orthotype *L. CRISTATUS*. A synonym of *LOPHONECTES* Gthr.
1376. QUENSTEDT (1882). (*Fossile Fische.*) Württ. Jahresh. XXXVIII.
FRIEDRICH AUGUST VON QUENSTEDT.
Bdellodus Quenstedt, 137; orthotype *B. BOLLENSIS* Quenstedt (fossil).
1377. SAUVAGE (1882). *Étude sur les poissons des Faluns de Bretagne.* Mém. Soc. Sci. Nat. Saône-et-Loire, IV.
HENRI ÉMILE SAUVAGE.
Stylodus Sauvage, IV, 77; orthotype *S. LEBESCONTEI* Sauvage (fossil).
1378. SAUVAGE (1882). *Description de quelques poissons de la collection du museum d'histoire naturelle.* Bull. Soc. Philom. Paris (7), VI, 168-176.
HENRI ÉMILE SAUVAGE.
Saccostoma Sauvage, 171; orthotype *S. GULOSUS* Sauvage. Name preoccupied, replaced by *CHASMIAS* Jordan & Snyder; this also preoccupied and replaced by *CHASMICHTHYS* Jordan & Snyder.
Cosmochilus Sauvage, 180; orthotype *C. HARMANDI* Sauvage.
1379. STEINDACHNER (1882). *Ichthyologische Beiträge.* XII. Sitzb. Akad. Wiss. Wien, LXXXVI, 61-82.
FRANZ STEINDACHNER.
Pachychilon Steindachner, 71; orthotype *SQUALIUS PICTUS* (Heckel & Kner).
1380. VAILLANT (1882). *Sur un poisson des grandes profondeurs de l'Atlantique, l'Eurypharynx pelecanoïdes.* Comptes Rendus Acad. Sci. Paris, 1882, 1226-1228.
LÉON LOUIS VAILLANT.
Eurypharynx Vaillant, 1226; orthotype *E. PELECANOIDES* Vaillant.

 1883

1381. BEAN (1883). *Notes on Collection of Fishes Made in 1882 and 1883 by Capt. Henry E. Nichols, U. S. N., in Alaska and British Columbia, etc.* Proc. U. S. Nat. Mus., VI, 353-362.
TARLETON HOFFMAN BEAN.
Prionistius Bean, 355; orthotype *P. MACELLUS* Bean.
1382. COPE (1883). *A New Chondostrean (Crossopholis magnicaudatus) from the Eocene.* Amer. Naturalist, 1883, XVII, 1152-1153.
EDWARD DRINKER COPE.
Crossopholis Cope, 1152; orthotype *C. MAGNICAUDATUS* Cope (fossil).
1383. COPE (1883). *On the Fishes of the Recent and Pliocene Lakes of the Western Part of the Great Basin and of the Idaho Pliocene Lake.* Proc. Acad. Nat. Sci. Phila., 134-166.
EDWARD DRINKER COPE.
Siphateles Cope, 146; orthotype *S. VITTATUS* Cope. Young individual of a genus apparently valid, confused with *MYLOLEUCUS* Cope.
1384. COPE (1883). *On Some Vertebrata from the Permian of Illinois.* Proc. Acad. Nat. Sci. Phila., 108-110.
EDWARD DRINKER COPE.

- Didymodus** Cope, 108; orthotype *DIPLODUS GIBBOSUS* Ag. (fossil). Substitute for *DIPLODUS* Ag., preoccupied. *DIDYMODUS* is regarded as preoccupied by *DIDYMODON* and again replaced by *DICRANODUS* Garman. But there are apparently older synonyms. These teeth probably belong to the forms called *PLEURACANTHUS* or *ORACANTHUS*, known from fin-spines only. But it is impossible to coördinate the teeth with the spines, hence the occurrence of two parallel sets of generic names.
- Thoracodus** Cope, 108; orthotype *T. EMYDINUS* Cope (fossil). A synonym of *JANASSA* Münster.
1385. COPE (1883). *Fourth Contribution to the History of the Permian Formation of Texas*. Proc. Amer. Phila. Soc., XX, 628-629.
EDWARD DRINKER COPE.
- Gnathorhiza** Cope, 629; orthotype *G. SERRATA* Cope (fossil).
1386. COPE (1883). *On a New Extinct Genus of Percidæ from Dakota Territory*. Amer. Journ. Sci., XXV.
EDWARD DRINKER COPE.
- Plioplarchus** Cope, 416; orthotype *P. WHITII* Cope (fossil).
1387. COPE (1883). *Permian Fishes and Reptiles*. Proc. Acad. Nat. Sci. Phila.
EDWARD DRINKER COPE.
- Ectosteorhachis** Cope, 69; orthotype *E. CICERONIUS* Cope.
1388. DAMES (1883). *Ueber eine tertiäre Wirbelthier-Fauna von der westlichen Insel des Birket el Qurun im Fajum (Aegypten)*. Sitzb. Akad. Wiss. Berlin, VI, 129-152.
WILHELM BARNIM DAMES.
- Propristis** Dames, 136; orthotype *P. SCHWEINFÜRTHI* Dames (fossil).
- Progymnodon** Dames, 148; orthotype *P. HILGENDORF* Dames (fossil). An extinct analogue of *DIODON* L.
1389. DAVIS (1883). *On the Fossil Fishes of the Carboniferous Limestone Series of Great Britain*. Scient. Trans. Roy. Dublin Soc., 1883, II, ser. 1, 327-600.
JAMES WILLIAM DAVIS.
- Compsacanthus** Davis, 354; orthotype *C. CARINATUS* Davis (fossil).
- Lispacanthus** Davis, 359; logotype *L. GRACILIS* Davis (fossil).
- Gnathacanthus** Davis, 363; logotype *G. TRIANGULARIS* (fossil).
- Cladacanthus** (Agassiz) Davis, 364; orthotype *C. PARADOXUS* Ag. (fossil) (printed as name only in *Poissons Fossiles*, III, 176, 1843). A synonym of *ERISMACANTHUS* M'Coy (1848).
- Chalazacanthus** Davis, 370; orthotype *C. VERRUCOSUS* Davis (fossil).
- Carcharopsis** (Agassiz) Davis, 381; orthotype *C. PROTOTYPUS* Ag. (fossil) (name only in 1843). A synonym of *DICRENODUS* Romanowsky.
- Glyphanodus** Davis, 386; orthotype *G. TENUIS* Davis (fossil). A synonym of *PETALODUS*.
- Rhamphodus** Davis, 402; orthotype *R. DISPAR* Davis.
- Diclitodus** Davis, 410; orthotype *D. SCITULUS* Davis (fossil).
- Tomodus** (Agassiz) Davis, 446; orthotype *T. CONVEXUS* Morris & Roberts (fossil).
- Copodus** (Agassiz) Davis, 464; orthotype *C. CORNUTUS* Davis (fossil).
- Lobodus** (Agassiz) Davis, 468; orthotype *L. PROTOTYPUS* Ag. (fossil). A synonym of *COPODUS* (Ag.) Davis.

Mesogomphus (Agassiz) Davis, 470; orthotype *M. LINGUA* Ag. (fossil). A synonym of *COPODUS*.

Rhymodus (Agassiz) Davis, 473; orthotype *R. TRANSVERSUS* Ag. (fossil). A synonym of *COPODUS*.

Pinacodus (Agassiz) Davis, 476; orthotype *P. GONOPLAX* Ag. (fossil). A synonym of *COPODUS*.

Characodus (Agassiz) Davis, 474; orthotype *C. ANGULATUS* Ag. (fossil) (name only, printed by Morris & Roberts, 1862). Name preoccupied; a synonym of *COPODUS*.

Dimyleus (Agassiz) Davis, 478; orthotype *D. WOODI* (Ag.) Davis (fossil).

Mylacodus Davis, 480; orthotype *M. QUADRATUS* Davis (fossil). A synonym of *COPODUS*.

Homalodus Davis, 484; logotype *H. TRAPEZIFORMIS* Davis (fossil). A synonym of *PSAMMODUS* Ag.

Petalodopsis Davis, 499; orthotype *P. TRIPARTITUS* Davis (fossil). Name preoccupied; a synonym of *CTENOPTYCHIUS*.

Pristodus (Agassiz) Davis, 519; orthotype *P. FALCATUS* Davis (fossil).

Phoderacanthus Davis, 534; orthotype *P. GRANDIS* Davis (fossil).

1390. DE VIS (1883). *Descriptions of Some New Queensland Fishes*. Proc. Linn. Soc. New S. Wales, 1883, VII, 367-371.

CHARLES W. DE VIS.

Cleidopus De Vis, 367; orthotype *C. GLORIA-MARIS* De Vis. A synonym of *MONOCENTRIS* Bl. & Schn.

1391. FACCIOLÀ (1883). *Note sui pesci dello stretto di Messina*. Naturalista Siciliano, 1883, II, 145-148.

LUIGI FACCIOLÀ.

Pelopsia Facciola, 145; orthotype *P. CANDIDA* Facciola. Said to be the young of *CHLOROPHTHALMUS* Ag.

1392. GAUDRY (1883). *Les enhcânements du monde animal dans les temps géologiques. Fossiles primaires*.

JEAN ALBERT GAUDRY (1827-1908).

Megapleuron Gaudry, 239; orthotype *M. ROCHEI* Gaudry (fossil). A synonym of *SAGENODUS*.

1393. GIGLIOLI (1883). *Intorno a due nuovi pesci dal golfo di Napoli*. Zool. Anz., 1883, VI, 397-400.

ENRICO HILLYER GIGLIOLI.

Bellottia Giglioli, 399; orthotype *B. APODA* Giglioli.

1394. GIGLIOLI (1883). *New and Very Rare Fish from the Mediterranean*. (Part 2.) Nature.

ENRICO HILLYER GIGLIOLI.

Bathyophilus Giglioli, 199; orthotype *B. NIGERRIMUS* Giglioli.

1395. GILL (1883). (*Pediculate Fishes*.) Forest & Stream, November 8.

THEODORE GILL.

Cryptopsaras Gill, November 8, 1883; orthotype *C. COUESI* Gill.

Typhlopsaras Gill, 284; orthotype *T. SHUFELDTI* Gill. Apparently a synonym of *MANACALIAS* Gill.

1396. GILL (1883). *Diagnosis of New Genera and Species of Deep-sea Fish-like Vertebrates*. Proc. U. S. Nat. Mus., VI, 253-260.
THEODORE GILL.
Bathymyzon Gill, 254; orthotype **PETROMYZON BAIRDI** Gill.
Histiobranchus Gill, 255; orthotype **H. INFERNALIS** Gill.
Hyperchoristus Gill, 256; orthotype **H. TANNERI** Gill.
Sigmops Gill, 256; orthotype **S. STIGMATICUS** Gill.
Stephanoberyx Gill, 258; orthotype **S. MONÆ** Gill.
Plectromus Gill, 257; orthotype **P. SUBORBITALIS** Gill.
Caulolepis Gill, 258; orthotype **C. LONGIDENS** Gill.
Bassozetus Gill, VI, 259; orthotype **B. NORMALIS** Gill.
1397. GILL & RYDER (1883). *Diagnosis of New Genera of Nemichthyoid Eels*. Proc. U. S. Nat. Mus., 1883, VI, 260-262.
THEODORE GILL; JOHN ADAM RYDER (1852-95).
Labichthys Gill & Ryder, 261; orthotype **L. CARINATUS** Gill & Ryder.
Spinivomer Gill & Ryder, 261; orthotype **S. GOODEI** Gill & Ryder.
Serrivomer Gill & Ryder, 260; orthotype **S. BEANI** Gill & Ryder.
1398. GILL & RYDER (1883). *On the Anatomy and Relations of the Eurypharyngidæ*. Proc. U. S. Nat. Mus., 1883, VI, 262-273.
THEODORE GILL; JOHN ADAM RYDER.
Gastrostomus Gill & Ryder, 271; orthotype **G. BAIRDI** Gill & Ryder.
1399. GOODE (1883). *The Generic Names Amitra and Thyris Replaced*. Proc. U. S. Nat. Mus., VII.
GEORGE BROWN GOODE.
Monomitra Goode, 109; orthotype **AMITRA LIPARINA** Goode. Substitute for **AMITRA** Goode, 1880, regarded as preoccupied by **AMITRUS** Schönherr, a beetle.
Delothyris Goode, 109; orthotype **THYRIS PELLUCIDUS** Goode. Substitute for **THYRIS** Goode, preoccupied; larval form of **MONOLENE** Goode.
1400. JORDAN & GILBERT (1883). *Notes on the Nomenclature of Certain North American Fishes*. Proc. U. S. Nat. Mus., VI.
DAVID STARR JORDAN; CHARLES HENRY GILBERT.
Scytaliscus Jordan & Gilbert, 111; orthotype **SCYTALINA CERDALE** J. & G. Substitute for **SCYTALINA**, regarded as preoccupied by **SCYTALINUS**.
1401. KAYSER (1883). *Richthofen's Beiträge zur Palæontologie von China*. Berlin, 1883.
FRIEDRICH HEINRICH EMANUEL KAYSER (1845-).
Leptodus Kayser, 161; orthotype **L. RICHTHOFENI** Kayser (fossil).
1402. KOENEN (1883). *Beiträge zur Kenntniss der Placodermen des Norddeutschen Oberdevons*. Abh. Ges. Wiss. Gottingen, XXX.
ADOLF VON KOENEN.
Brachydirus Koenen, 26; orthotype **COCCOSTEUS INFLATUS** Koenen (fossil).
Anomalichthys Koenen, 38; orthotype **A. SCABER** Koenen (fossil).
1403. MACLEAY (1883). *On a New and Remarkable Fish of the Family Mugilidæ*. Proc. Linn. Soc. New S. Wales, VIII, 2-6.
WILLIAM MACLEAY.
Æschrichthys Macleay, 5; orthotype **A. GOLDIEI** Macleay.

1404. MACLEAY (1883). *Contributions to a Knowledge of the Fishes of New Guinea*, No. 4. Proc. Linn. Soc. New S. Wales, VIII, 252-282.

WILLIAM MACLEAY.

Tetracentrum Macleay, 256; orthotype *T. APOGONOIDES* Macleay.

1405. NEWBERRY (1883). *Some Interesting Remains of Fossil Fishes Recently Discovered*. Trans. N. Y. Acad. Sci., II, 144-147.

JOHN STRONG NEWBERRY.

Mylostoma Newberry, 145; logotype *M. TERRELLI* Newberry.

1406. ST. JOHN & WORTHEN (1883). *Descriptions of Fossil Fishes; a Partial Revision of the Cochliodonts and Psammodonts, Including Notices of Miscellaneous Material Acquired from the Carboniferous formations of the United States*. Geol. Surv. Ill., VII, 55-264.

ORESTES H. ST. JOHN; A. H. WORTHEN.

Tæniodus St. John & Worthen, 75; logotype *T. REGULARIS* St. John & Worthen (fossil). A synonym, as here restricted, of *PSEPHODUS* Ag.

Stenopterodus St. John & Worthen, 102; logotype *S. PLANUS* St. John & Worthen (fossil).

Vaticinodus St. John & Worthen, 82; logotype *V. VETUSTUS* St. John & Worthen (fossil).

Chitonodus St. John & Worthen, 112; logotype *C. SPRINGERI* St. John & Worthen (fossil).

Deltodopsis St. John & Worthen, 160; logotype *D. ANGUSTUS* St. John & Worthen (fossil).

Orthopleurodus St. John & Worthen, 192; logotype *O. CONVEXUS* St. John & Worthen (fossil).

Acondylacanthus St. John & Worthen, 241; logotype *A. RECTUS* St. John & Worthen (fossil).

Eunemacanthus St. John & Worthen, 246; orthotype *CTENACANTHUS COSTATUS* Newberry & Worthen (fossil). A synonym of *CTENACANTHUS*.

Gymnatacanthus St. John & Worthen, 249; logotype *G. RUDIS* St. John & Worthen (fossil).

Batacanthus St. John & Worthen, 253; orthotype *B. NECIS* St. John & Worthen (fossil).

Pnigeacanthus St. John & Worthen, 259; orthotype *P. TRIGONALIS* St. John & Worthen (fossil).

1407. SAUVAGE (1883). *Note sur les poissons du muschelkalk de Pontpierre (Lorraine)*. Bull. Soc. Geol. (3), XI, 492-496.

HENRI ÉMILE SAUVAGE

Meristodon Sauvage, 480; orthotype *M. JURENSIS* Sauvage (fossil).

Paralates Sauvage, 485; orthotype *P. BLEICHERI* Sauvage (fossil).

Sparosoma Sauvage, 487; orthotype *S. OVALIS* Sauvage (fossil). Preoccupied by *SPARISOMA* Sw.

1408. SAUVAGE (1883). *Sur une collection de poissons recueillis dans le lac Biwako (Japon) par M. F. Steenackers*. Bull. Soc. Philom., Paris, 1883, ser. 7, VII, 144-150.

HENRI ÉMILE SAUVAGE.

Tribolodon Sauvage, 149; orthotype *T. PUNCTATUM* Sauvage.

1409. SAUVAGE (1883). *Descriptions de quelques poissons de la collection du museum d'histoire naturelle*. Bull. Soc. Philom., Paris, 1883, ser. 7, VII, 156-161.

HENRI ÉMILE SAUVAGE.

Petroscirtes Sauvage, 158; orthotype *P. GERMANI* Sauvage. Name preoccupied by *PETROSCIRTES* Rüppell.

1410. STEINDACHNER & DÖDERLEIN (1883). *Beiträge zur Kenntniss der Fische Japans*. Part 1. Denkschr. Akad. Wiss. Wien, 1883, XLVII, 1-34.

FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.

Melanostoma Steindachner & Döderlein, 5; orthotype *M. JAPONICUM* Steindachner & Döderlein. Name preoccupied; replaced by *SYNAGROPS* Gthr., 1887.

Neoditrema Steindachner & Döderlein, 32; orthotype *N. RANSONNETI* Steindachner & Döderlein.

Cypselichthys Steindachner & Döderlein, 14; orthotype *C. JAPONICUS* Steindachner & Döderlein = *LABRACOGLOSSA ARGENTIVENTRIS* Peters. A synonym of *LABRACOGLOSSA* Peters.

Paracirrhites Steindachner & Döderlein, 25; orthotype *P. JAPONICUS* Steindachner & Döderlein. Name preoccupied; replaced by *ISOBUNA* Jordan, 1907.

Doderleinia Steindachner, 29; orthotype *D. ORIENTALIS* Steindachner & Döderlein.

Acanthocephalus (Döderlein) Steindachner, 29; orthotype *DODERLEINIA ORIENTALIS* Steind. A manuscript synonym of *DODERLEINIA*, noted in passing, being preoccupied.

Labracopsis Döderlein, 235; orthotype *L. JAPONICUS* Döderlein.

1411. STEINDACHNER & DÖDERLEIN (1883). *Beiträge zur Kenntniss der Fische Japans*. Part 2. Denkschr. Akad. Wiss. Wien, 1883, XLVIII, 1-40.

FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.

Argo Döderlein, 34; orthotype *A. STEINDACHNERI* Döderlein. A synonym of *TARACTES* Lowe.

Pentaceropsis Steindachner & Döderlein, 13; logotype *HISTIOPTERUS RECURVIROSTRIS* Rich.

Malakichthys Döderlein, 32; orthotype *M. GRISEUS* Döderlein. Replaces *SATSUMA* Smith & Pope.

1412. THOMINOT (1883). *Notice sur un poisson de genre nouveau appartenant à la famille des Sparidés*. Bull. Soc. Philom., Paris, VII.

ALEXANDRE THOMINOT.

Parhaplodactylus Thominot, 140; orthotype *HAPLODACTYLUS LOPHODON* Gthr.

1413. THOMINOT (1883). *Note sur le genre Aplodon, poisson de la famille des Sparidés voisin des girelles*. Bull. Sci. Philom., Paris, VII.

ALEXANDRE THOMINOT.

Aplodon (Duméril) Thominot, 141; logotype *A. MARGARITIFERUM* Duméril. Mss. also written *HAPLODON*; both forms preoccupied. Said to be a synonym of *INCISIDENS* Gill.

1414. TRAUTSCHOLD (1883). *Ueber Edestus und einige andere Fischreste des moskauer Bergkalks*. Bull. Soc. Imp. Nat. Moscou, LVII, pt. 2, 160-174.

HERMANN VON TRAUTSCHOLD.

Euacanthus Trautschold, 172; orthotype *E. MARGARITATUS* Trautschold (fossil).

1884.

1415. CLAYPOLE (1884). *Preliminary Note on Some Fossil Fishes Recently Discovered in the Silurian Rocks of North America*. Amer. Naturalist, XVIII, 1222-1226.

EDWARD WALLER CLAYPOLE (1835-1901).

Palæaspis Claypole, 1224; orthotype *P. AMERICANA* Claypole (fossil).

1416. DAVIS (1884). *On some Remains of Fossil Fishes from the Yoredale Series at Leyburn in Wensleydale*. Quart. Journ. Geol. Soc., 1884, XL, 614-634.

JAMES WILLIAM DAVIS.

Gomphacanthus Davis, 618; orthotype *G. ACUTUS* Davis (fossil).

Hemicladodus Davis, 620; orthotype *H. UNICUSPIDATUS* Davis (fossil). An unidentified fragment of a tooth.

Astrabodus Davis, 630; orthotype *A. EXPANSUS* Davis (fossil). A synonym of *PSAMMODUS*.

Echinodus Davis, 631; orthotype *E. PARADOXUS* Davis (fossil).

Cyrtonodus Davis, 631; orthotype *C. GIBBUS* Davis (fossil).

Diplacodus Davis, 633; orthotype *D. BULBOIDES* Davis (fossil).

1417. DAVIS (1884). *Description of a New Genus of Fossil Fishes from the Lias*. Ann. Mag. Nat. Hist., ser. 5, XIII, 448-453.

JAMES WILLIAM DAVIS.

Lissolepis Davis, 449; orthotype *L. SERRATUS* Davis (fossil).

1418. DE VIS (1884). *Descriptions of New Genera and Species of Australian Fishes*. Proc. Linn. Soc., New S. Wales, for 1883 (1884), VIII, 283-289.

CHARLES W. DE VIS.

Dactylophora De Vis, 284; orthotype *D. SEMIMACULATA* De Vis. Same as *PSILOCRANIUM* Macleay of the same year.

Leme De Vis, 286; orthotype *L. MORDAX* De Vis.

1419. DE VIS (1884). *Fishes from South Sea Islands*. Proc. Linn. Soc., New S. Wales, VIII, 445-457.

CHARLES W. DE VIS.

Harpag De Vis, 447; orthotype *H. ROSEA* De Vis.

Nesiotes De Vis, 453; orthotype *N. PURPURASCENS* De Vis. A synonym of *PSEUDOCHEMIS* Rüppell.

Trachycephalus De Vis, 455; orthotype *T. BANKANIENSIS* De Vis. Name preoccupied; a synonym of *AMPHIPRIONICHTHYS* Blkr., 1855.

1420. FACCIOLÀ (1884). *Note sui pesci dello stretto di Messina*. Naturalista Sicili., III, 111-114.

LUIGI FACCIOLÀ.

Hypsirhynchus Facciola, 112; orthotype *H. HEPATICUS* Facciola.

- 1421-1422. FILHOL (1884). *Explorations sous-marines: voyage du Talisman*. La Nature, 1884, 182-186.

HENRI FILHOL (1843—).

Neostoma Filhol, 184; orthotype *N. BATHYPHILUM* Filhol.

Eustomias Filhol, 185; orthotype *E. OBSCURUS* Filhol.

1423. GARMAN (1884). *New Sharks: Chlamydoselachus anguineus and Heptranchias pectorosus*. Bull. Essex Instit., 1884, XVI, 3-15.

SAMUEL GARMAN.

Chlamydoselachus Garman, 8; orthotype *C. ANGUINEUS* Garman.

1424. GILBERT (1884). *A List of Fishes Collected in the East Fork of the White River, Indiana, with Descriptions of Two New Species*. Proc. U. S. Nat. Mus., VII, 199-205.

CHARLES HENRY GILBERT.

Hypargyrus (Forbes) Gilbert, 200; orthotype *HYBOPSIS TUDITANUS* Cope. A synonym of *CERATICHTHYS* Baird (*CLIOLA* Grd.).

Serraria Gilbert, 205; orthotype *HADROPTERUS SCIERUS* Swain.

1425. GILL (1884). *On the Anacanthine fishes*. Proc. Acad. Nat. Sci., Phila., 1884.

THEODORE GILL.

Lycenchelys Gill, 180; orthotype *LYCODES MURÆNA* Collett.

Lycocara Gill, 180; orthotype *OPHIDIUM PARRII* Ross. A substitute for *URONECTES* Gthr., preoccupied.

1426. GILL (1884). *Synopsis of the genera of the superfamily Teuthidoidea (families Teuthididæ and Siganidæ)*. Proc. U. S. Nat. Mus., VII, 1884.

THEODORE GILL.

Ctenochætus Gill, 279; orthotype *ACANTHURUS STRIGOSUS* Bennett. Replaces *CTENODON* (Bon.) Klunzinger, preoccupied.

Colocopus Gill, 279; orthotype *C. LAMBURUS* Gill = *ACANTHURUS HEPATUS* Bl. & Schn., not *TEUTHIS HEPATUS* L.

1427. GILL (1884). *Synopsis of the Plectognath Fishes*. Proc. U. S. Nat. Mus., VII.

THEODORE GILL.

Masturus Gill, 425; orthotype *ORTHAGORISCUS OXYUROPTERUS* Blkr.

1428. GILL (1884). (*Derichthys*, etc.) American Naturalist, XVIII.

THEODORE GILL.

Derichthys Gill, 433; orthotype *D. SERPENTINUS* Gill.

Acanthochænus Gill, 433; orthotype *A. LUTKENI* Gill. Perhaps a synonym of *STEPHANOBERYX* Gill.

1429. GÜRICH (1884). (*Eupleurodus*) Zeitschr. Deutsch. Geol. Ges., XXXVI.
GEORG GÜRICH (1859-).

Eupleurodus Gürich, 142; orthotype *E. SULCATUS* Gürich (fossil) = *AMPHALODUS CHORZOWIENSIS* Meyen. A synonym of *ASTERODON* Münster.

1430. JORDAN & SWAIN (1884). *A Review of the American Species of Marine Mugilidæ*. Proc. U. S. Nat. Mus., VII, 261-275.

DAVID STARR JORDAN; JOSEPH SWAIN (1857-).

Liza Jordan & Swain, 261; orthotype *MUGIL CAPITO* Cuv.

1431. JORDAN & SWAIN (1884). *A Review of the Species of the Genus Hæmulon*. Proc. U. S. Nat. Mus., VII.

DAVID STARR JORDAN; JOSEPH SWAIN

Lythrulon Jordan & Swain, 284; orthotype *HÆMULON FLAVIGUTTATUS* Gill.

1432. KLUNZINGER (1884). *Die Fische des Rothen Meeres. Eine kritische Revision mit Bestimmungs-Tabellen. I. Theil. Acanthopteri veri Owen*, Stuttgart, 133.

CARL BENJAMIN KLUNZINGER.

Hyposerranus Klunzinger, 3; logotype *SERRANUS MORRHUA* Cuv. & Val. A substitute for *EPINEPHELUS* Bloch. because not originally clearly defined. A synonym of *EPINEPHELUS* Bloch, as restricted. "Bleeker nent die *SERRANUS* jetzt *EPINEPHELUS*. Diese Sucht, alte Namen hervorzusuchen, halte ich für verfehlt, wenigstens in fällen wie hier . . . Bloch hat allerdings verschiedene Arten dieser Gattung unter *EPINEPHELUS* aufgeführt, die Gattungsdiagnose ist aber nichtssagend" (Klunzinger). But relatively few original diagnoses are adequate until amended, and to give a new name with each new definition would lead to endless confusion. In fact, much of the chaos which rules are intended to remove is due to the method advocated by Klunzinger and justified by rule 12 of the British Association (1865, 1869), now superseded, whereby a name not fully defined should be changed if its meaning is not clearly expressed at first.

Anisochæton Klunzinger, 54; logotype *CHÆTODON AURIGA*. A substitute for *LINOPHORA* Kaup and *OXYCHÆTODON* Blkr., the definition being changed. A synonym of *LINOPHORA* Kaup.

Ctenodon (Bonaparte) Klunzinger, 85; orthotype *ACANTHURUS STRIGOSUS* Bennett. Name preoccupied; replaced by *CTENOCHÆTUS* Gill, 1884.

Hypocaranx Klunzinger, 92; logotype *SCOMBER SPECIOSUS* Bloch. A synonym of *GNATHANODON* Blkr. Under the new name of *HYPOCARANX*, Klunzinger includes Bleeker's genera, *HEMICARANX*, *GNATHANODON*, *SELAROIDES*, and *URASPIS*. His conception of a genus is that of a compartment of species, its name to be changed whenever the walls are altered. But in modern nomenclature a genus is a group of species clustered around a type which may be arbitrarily chosen. The oldest type-name included (unless preoccupied) gives its name to the whole. *HYPOCARANX* is inadmissible, being merely a synonym of *GNATHANODON* Blkr., its first species mentioned (*SPECIOSUS*) being the type of *GNATHANODON*. The same remarks apply to *PSEUDOSERRANUS* Klunzinger (1870), a substitute for the earlier names *SERRANUS* and *VARIOLA*.

1433. LANKESTER (1884). *Report on Fragments of Fossil Fishes from the Paleozoic Strata of Spitzbergen*. Svensk. Vet. Akad. Handl., 1884, XX, 1-7.

EDWIN RAY LANKESTER.

Lophostræon Lankester, 5; orthotype, *L. SPITZBERGENSE* Lankester (fossil).

1434. MACLEAY (1884) *On a New Genus of Fishes from Port Jackson*. Proc. Linn. Soc., New S. Wales, VIII, 439-443.

WILLIAM MACLEAY.

Psilocranium Macleay, 439; orthotype *P. COXII* Macleay. Same as *DACTYLOPHORA* De Vis, of the same year. McCulloch gives the latter name precedence.

1435. SAUVAGE (1884). *Contribution a la faune ichthyologique du Tonkin*. Bull. Soc. Zool. France, 1884, VII, ser. 7, 150-155.

HENRI ÉMILE SAUVAGE.

Gymnognathus Sauvage, 214; orthotype *G. HARMANDI* Sauvage. Name preoccupied; gives place to *ASPIDOLUCIUS* Berg.

1436. SAUVAGE (1884). *Sur un siluroïde de l'île de la Réunion*. Bull. Soc. Philom., Paris, 1884, VII, sér. 8, 147-148.

HENRI ÉMILE SAUVAGE.

Laimumena Sauvage, 147; orthotype *L. BORBONICA* Sauvage.

1437. STEINDACHNER (1884). *Ichthyologische Beiträge*, XIII. Sitzb. Akad. Wiss. Wien, 1883 (1884), 1 Abth., LXXXVIII, 1065-1114.

FRANZ STEINDACHNER.

Parapercis Steindachner, 1071; orthotype *P. RAMSAYI* Steind. Name preoccupied; replaced by *NEOPERCIS* Steind.

Peronedys Steindachner, 1083; orthotype *P. ANGUILLARIS* Steind.

Neopataecus Steindachner, 1087; orthotype *PATÆCUS MACULATUS* Gthr.

Austrolabrus Steindachner, 1100; orthotype *LABRICHTHYS MACULATA* Macleay.

1438. THOMINOT (1884). *Note sur un poisson de la famille des Cyprinodontidæ*. Bull. Soc. Philom., Paris, VII, sér. 8, 149-158.

ALEXANDRE THOMINOT.

Rhodeoides Thominot, 150; orthotype *R. VAILLANTI* Thominot.

1439. TRAQUAIR (1884). *Notice of New Fish remains from the Blackband Ironstone of Borough Lee, near Edinburgh*, No. 5. Geol. Mag., 1884, III, dec. 1, 64-65.

RAMSAY HEATLEY TRAQUAIR.

Aganacanthus Traquair, 64; orthotype *A. STRIATUS* Traquair (fossil).

1885.

1440. BEAN (1885). *On Stathmonotus, a New Genus of Fishes Related to Murænoïdes, from Florida*. Proc. U. S. Nat. Mus., 1885, VIII, 191-192.

TARLETON HOFFMAN BEAN.

Stathmonotus Bean, 191; orthotype *S. HEMPHILLI* Bean.

1441. CLAYPOLE (1885). *On the Recent Discovery of Pteraspidian Fish in the Upper Silurian Rocks of North America*. Quart. Journ. Geol. Soc., XLI.

EDWARD WALLER CLAYPOLE.

Palæaspis Claypole, 62; orthotype *P. AMERICANA* Claypole (fossil): (detailed account).

1442. COCCO (1885). *Indice ittiologico del mare di Messina*. Naturalista Siciliana, V.

ANASTASIO COCCO.

Sympropterus Cocco, 294; orthotype not stated by Hilgendorf. A *Paralepis*, with dorsal and anal joined to caudal; perhaps a monstrosity; mentioned by Bonaparte, 1846.

1443. COPE (1885). *Eocene Paddle-Fish and Gonorhynchidæ*. Amer. Nat., XIX, 1090-91.

EDWARD DRINKER COPE.

Notogoneus Cope, 1091; orthotype *N. OSCULUS* Cope (fossil).

1444. DAVIS (1885). *The Fossil Fishes of the Chalk of Mount Lebanon*. Royal Dublin Society, 1885, ser. 2., III, 457-636.

JAMES WILLIAM DAVIS.

- Centrophoroides** Davis, 478; orthotype *C. LATIDENS* Davis (fossil).
Rhinognathus Davis, 480; orthotype *R. LEWISI* Davis. Name preoccupied, replaced by *SCAPANORHYNCHUS* Woodw., 1889.
Spathiurus Davis, 503; orthotype *S. DORSALIS* Davis (fossil).
Amphilaphurus Davis, 504; orthotype *A. MAJOR* Davis (fossil) = *SPATHIURUS DORSALIS* Davis. A synonym of *SPATHIURUS*.
Xenopholis Davis, 548; orthotype *X. CARINATUS* Davis (fossil).
Exocœtoides Davis, 551; orthotype *E. MINOR* Davis (fossil).
Lewisia Davis, 593; orthotype *L. OVALIS* Davis = *CLUPEA LATA* Ag. (fossil). A synonym of *SPANIODON* Pictet.
Pantopholis Davis, 599; orthotype *P. DORSALIS* Davis (fossil).
Eurygnathus Davis, 601; logotype *E. MAJOR* Davis (fossil). A synonym of *ENCHODUS* Ag.
Phylactocephalus Davis, 605; orthotype *P. MICROLEPIS* Davis (fossil). A synonym of *HALEC* Ag.
1445. DE VIS (1885). *New Australian Fishes in the Queensland Museum*. Proc. Linn. Soc. New S. Wales, IX, 389-400, 537-547, etc.
 CHARLES W. DE VIS.
Herops De Vis, 392; orthotype *H. MUNDA* De Vis. A synonym of *KUHLIA* Gill.
Homodemus De Vis, 395; orthotype *H. CAVIFRONS* De Vis. A synonym of *OLIGORUS* Gthr.
Autisthes De Vis, 398; orthotype *A. ARGENTEUS* De Vis. A synonym of *THERAPON* Cuv.
Hephæstus De Vis, 399; orthotype *H. TULLIENSIS* De Vis, *THERAPON FULIGINOSUS* Macleay. A synonym of *THERAPON* Cuv.
Neoniphon De Vis, 537; orthotype *N. HASTA* De Vis. Preoccupied by Castelnau, 1875.
1446. DE VIS (1885). *New Fishes in the Queensland Museum*. Proc. Linn. Soc. New S. Wales, 1885, IX, 869-887.
 CHARLES W. DE VIS.
Onar De Vis, 875; orthotype *O. NEBULOSUM* De Vis. A synonym of *PSEUDOCROMIS* Rüppell.
Torresia De Vis, 881; orthotype *T. LINEATA* De Vis.
Julichthys De Vis, 884; orthotype *J. INORNATA* De Vis.
1447. FACCIOLÀ (1885). *Su di alcuni rari Pleuronettidi del Mar di Messina. Nota preliminare*. Nat. Sicil., IV, 261-266.
 LUIGI FACCIOLÀ.
Charybdia Facciolà, 265; orthotype *PELORIA RUPPELLII* Cocco. A larval flounder, perhaps young of *PLATOPHRYS* Sw.
1448. FISCHER (1885). *Ichthyologische und herpetologische Bemerkungen*. Jahrb. Hamburg. Wiss. Anstalten, 1885, II, 49-119.
 JOHANN GUSTAV FISCHER (1819-1889).
Sclerocottus Fischer, 58; orthotype *S. SCHRADERI* Fischer.
Gymnelichthys Fischer, 61; orthotype *G. ANTARCTICUS* Fischer.
1449. FORBES (1885). *Description of New Illinois Fishes*. Bull. Illinois Lab. Nat. Hist., II.
 STEPHEN ALFRED FORBES (1848-).
Oxygeneum Forbes, 136; orthotype *O. PULVERULENTUM* Forbes.

1450. GARMAN (1885). *The Generic Name of the Pastinacas or Sting Rays*. Proc. U. S. Nat. Mus., VIII.

SAMUEL GARMAN.

Dasybatus (Klein) Garman, 221; orthotype RAJA PASTINACA L. A revival of a non-binomial name of Klein as reprinted by Walbaum in place of DASYATIS Raf. and TRYGON (Adanson) Geoffroy.

1451. GARMAN (1885). *Chlamydoselachus anguineus Garm., a Living Representative of Cladodont Sharks*. Bull. Mus. Comp. Zool. Harvard College, XII.

SAMUEL GARMAN.

Pternodus Garman, 6; orthotype PHÆBODUS SPRINGERI St. John & Worthen (fossil). Name preoccupied by PTERNODUS Owen, 1867; probably a synonym of PHÆBODUS.

Dicranodus Garman, 30; orthotype DIDYMODUS TEXENSIS Cope (fossil). Substitute for DIDYMODUS Cope, regarded as preoccupied by DIDYMODON Blake, 1863, a mammal; perhaps same as DITTODUS Owen and ORTHACANTHUS Ag.

1452. GILL (1885). *Riverside Natural History*. Edited by John Sterling Kingsley. III. *Lower Vertebrates*, Chapter ACANTHOPTERYGIANS.

THEODORE GILL.

Phrynotitan Gill, 255; orthotype BATRACHUS GIGAS, the author not stated, the name not found by me.

1453. GOODE & BEAN (1885). *On American Fishes in the Linnæan Collection*. Proc. U. S. Nat. Mus., VIII.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Borborys (Broussonet Ms.) Goode & Bean, 205; orthotype COBITIS HETEROCLITUS L. A synonym of FUNDULUS Lac.

1454. GOODE & BEAN (1885). *Descriptions of New Fishes Obtained by the United States Fish Commission, Mainly from Deep Water Off the Atlantic and Gulf Coasts*. Proc. U. S. Nat. Mus., VIII, 589-605.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Neobythites Goode & Bean, 601; orthotype N. GILLI G. & B.

Porogadus Goode & Bean, 602; orthotype P. MILES G. & B.

Bathyonus Goode & Bean, 603; logotype B. CATENA G. & B.

1455. GOODE & BEAN (1885). *Description of a New Genus and Species of Pediculate Fishes (Halieutella lappa)*. Proc. Biol. Soc. Wash., II, 88.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Halieutella Goode & Bean, 88; orthotype H. LAPPA G. & B.

1456. JORDAN (1885). *Identification of the Species of Cyprinidæ and Catostomidæ Described by Dr. Charles Girard, etc. (1856)*. Proc. U. S. Nat. Mus., VIII.

DAVID STARR JORDAN.

Luxilinus Jordan, 126; orthotype LUXILUS OCCIDENTALIS Baird & Girard = young of LAVINIA EXILICAUDA Baird & Grd. A synonym of LAVINIA Baird & Grd.

1457. JORDAN (1885). *A Catalogue of the Fishes Known to Inhabit the Waters of North America North of the Tropic of Cancer*. Rept. U. S. Fish Comm. for 1885 (1887). (Reprint issued 1885.)

DAVID STARR JORDAN.

Crystallaria Jordan & Gilbert, 78; orthotype PLEUROLEPIS ASPRELLUS Jordan.

Rhothœca Jordan, 80; orthotype PÆCILICHTHYS ZONALIS Cope. Substitute for NANOSTOMA Putnam, regarded as preoccupied by NANNOSTOMUS Gthr.

- Artediellus** Jordan, 110; orthotype *COTTUS UNCINATUS* Reinh.
- Icelinus** Jordan, 110; orthotype *ARTEDIUS QUADRISERIATUS* Lockington.
- Otophidium** (Gill MS.) Jordan, 126; orthotype *GENYPTERUS OMOSTIGMA* J. & G.
- Pleurogadus** (Bean) Jordan, 130; orthotype *GADUS NAVAGA* Kölr. A substitute for *TILEZIA*, preoccupied. A synonym of *ELEGINUS* Fischer, 1813, not of Cuvier & Valenciennes, 1830.
- Aramaca** (Jordan & Goss) Jordan, 133; orthotype *CITHARICHTHYS PÆTULUS* J. & G. = *PLEURONECTES ARAMACA* Dönnendorf = *PLEURONECTES PAPILLOSUS* L. A synonym of *SYACIUM* Ranz.
- Eopsetta** Jordan & Goss, 135; orthotype *HIPPOGLOSSOIDES JORDANI* Lockington.
- Lyopsetta** Jordan & Goss, 135; orthotype *HIPPOGLOSSOIDES EXILIS* J. & G.
- Inopsetta** Jordan and Goss, 136; orthotype *PAROPHRYS ISCHYRUS* J. & G.
1458. JORDAN & MEEK (1885). *A Review of the American Species of Flying-fish.* (EXOCÆTUS.) Proc. U. S. Nat. Mus., VIII.
DAVID STARR JORDAN; SETH EUGENE MEEK (1859-1914).
- Fodiator** Jordan & Meek, 45; orthotype *EXOCÆTUS ACUTUS* Cuv. & Val.
1459. KRAMBERGER (1885). *Palæontologische beiträge.* Soc. Hist. Nat. Croatia Rad. Jugoslav. Akad., LXXII.
DRAGUTIN GORJANOVIC KRAMBERGER.
- Holcodon** Kramberger, 19; orthotype *SOLENODON NEOCOMIENSIS* Kramberger = *SAUROCEPHALUS LYCODON* Kner (fossil). Name a substitute for *SOLENODON* Kramberger, preoccupied; thought to be a synonym of *ENCHODUS*.
- Hypsospondylus** Kramberger, 31; orthotype *H. BASSANII* Kramberger (fossil).
- Mesiteia** Kramberger, 54; orthotype *M. EMILIÆ* Kramberger.
1460. KUNISCH (1885). *Dactylolepis gogoliensis.* Zool. Geol. Ges., XXXVII, 588-594.
HERMANN KUNISCH (1853-1893).
- Dactylolepis** Kunisch, 588; orthotype *D. GOGOLIENSIS* Kunisch (fossil). A synonym of *COLOLOBUS* Ag.
1461. LAUBE (1885). *Ein Beiträge zur Kenntniss der Fische des böhmischen Turons.* Denk. Akad. Wiss. Wien., 1. Abth., 285-298.
GUSTAV CARL LAUBE (1839-).
- Protelops** Laube, 286; orthotype *P. GEINITZII* Laube (fossil).
1462. MARCK (1885). *Fische der oberen Kreide Westfalens.* Paleontographica. 1885, XXXI, 233-267.
W. VON DER MARCK.
- Charitosomus** Marck, 257; orthotype *C. FORMOSUS* Hosijs & von der Marck (fossil).
1463. MOCQUARD (1885). *Sur un nouveau genre de Blenniidae voisin des Clinus.* Bull. Soc. Philom. Paris, 1885, 18-20.
M. MOCQUARD.
- Acanthoclinus** Mocquard, 18; orthotype *A. CHAPERI* Mocquard. Name preoccupied; replaced by *PARACLINUS* Mocquard (1886).
1464. NEWBERRY (1885). *Description of Some Gigantic Placoderm Fishes Recently Discovered in the Devonian of Ohio.* Trans. N. Y. Acad. Sci., 1885, V, 25-28.
JOHN STRONG NEWBERRY.
- Titanichthys** Newberry, 27; orthotype *T. AGASSIZI* Newberry.

1465. NEWBERRY (1885). *Description of Some Peculiar Screw-like Fossils from the Chemung Rocks*. Ann. N. Y. Acad. Sci., XVIII, 217-220.

JOHN STRONG NEWBERRY.

Spiraxis Newberry, 219; orthotype *S. MAJOR* Newberry. Name preoccupied; replaced by *PROTOSPIRAXIS* Williams.

1466. NOETLING (1885). *Die Fauna des sammländischen Tertiäres. (Pisces.)* Abh. Geol. Spec. Preuss., 1885, VI, 3-106.

FRITZ NOETLING (1857-).

Pseudosphærodon Noetling, 104; orthotype *P. HILGENDORFI* Noetling (fossil).

1467. OGILBY (1885). *Notes and Descriptions of Some Rare Port Jackson Fishes*. Proc. Linn. Soc. New S. Wales, X.

JAMES DOUGLAS OGILBY (1848-).

Petraites Ogilby, 225; orthotype *P. HEPTACOLUS* Ogilby.

1468. ROCHEBRUNE (1885). *Poissons de la Rivière Casamence, Afrique occidentale*. Bull. Sci. Philom. Paris, IX.

ALPHONSE TRÉMEAU DE ROCHEBRUNE.

Gyrinostomus Rochebrune, 96; orthotype *G. MARCHEI* Rochebrune.

1469. STEINDACHNER & DÖDERLEIN (1885). *Beiträge zur Kenntniss der Fische Japans*. (3) Denkshr. Akad. Wiss. Wien, XLIX.

FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.

Neopercis Steindachner, 212; orthotype *PERCIS RAMSAYI* Steind. Substitute for *PARAPERGIS* Steind., preoccupied.

1886.

1470. BASSANI (1886). *Sui fossili e sull' età degli scisti bituminosi triasici di Besano in Lombardia*. Atté. Soc. Ital. Sci. Nat., XXIX.

FRANCESCO BASSANI.

Nothosomus Bassani, 37; orthotype *N. BELLOTTI* Bassani (fossil).

1471. COLLETT (1886). *On a New Pediculate Fish from the Sea off Madeira (Linophryne lucifer)*. Proc. Zool. Soc. London, 138-142.

ROBERT COLLETT.

Linophryne Collett, 138; orthotype *L. LUCIFER* Collett.

1472. COPE (1886). *Fossil Fishes from Brazil*. Proc. Amer. Phil. Soc., XXIII.

EDWARD DRINKER COPE.

Apocopodon Cope, 2; orthotype *A. SERICEUS* Cope (fossil).

Chiromystus Cope, 4; orthotype *C. MAWSONI* Cope (fossil).

1473. COPE (1886). *On Two New Forms of Polyodont and Gonorhynchid Fishes from the Rocky Mountains*. Mem. Nat. Acad. Sci., Washington, III.

EDWARD DRINKER COPE.

Crossophilus Cope, 162; orthotype *C. MAGNICAUDATUS* Cope.

1474. COPE (1886). *An Interesting Connecting Genus of Chordata*. Amer. Nat., XX.

EDWARD DRINKER COPE.

Mycterops Cope, 1027; orthotype *M. ORDINATUS* Cope. (Said by Woodward to be an EURYPTERID CRUSTACEAN.)

1475. FRITSCH (1886). *Ergebnisse der Vergleichen an den elektrischen Organen der Torpedinen*. Arch. Anat. Physiol., 358-370.

GUSTAV THEODOR FRITSCH.

Gymnotorpedo Fritsch, 365; logotype TORPEDO OCCIDENTALIS Storer.

Fimbriotorpedo Fritsch, 365; logotype TORPEDO MARMORATA Risso = RAJA TORPEDO L. A synonym of TORPEDO Duméril, and of authors.

1476. GOODE & BEAN (1886). *Reports on the Results of Dredging, under the supervision of Alexander Agassiz, in the Gulf of Mexico (1877-78) and in the Caribbean Sea (1879-80), by the U. S. Coast Survey steamer "Blake," etc.* Bull. Mus. Comp. Zool., Harvard Coll., 1886, XII, no. 5, 153-170.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Barathronus Goode & Bean, 164; orthotype, B. BICOLOR G. & B.

Benthosaurus Goode & Bean, 168; orthotype B. GRALLATOR G. & B.

1477. JORDAN (1886). *List of Fishes Collected at Havana, Cuba, in December, 1883, with notes and descriptions*. Proc. U. S. Nat. Mus. IX.

DAVID STARR JORDAN.

Scartella Jordan, 50; orthotype BLENNIUS MICROSTOMUS Poey.

1478. JORDAN & EVERMANN (1886). *Description of Six New Species of Fishes from the Gulf of Mexico, with Notes on Other Species*. Proc. U. S. Nat. Mus., 1886, IX, 466-476. (September 17.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Steinegeria Jordan & Evermann, 467; orthotype S. RUBESCENS J. & E.

1479. JORDAN (1886). *Notes on Typical Specimens of Fishes Described by Cuvier and Valenciennes and preserved in the Musée d'Histoire Naturelle in Paris*. Proc. U. S. Nat. Mus., 1886, IX, 525-546.

DAVID STARR JORDAN.

Marcgravia Jordan, 546; orthotype BATRACHUS CRYPTOCENTRUS Cuv. & Val. A synonym of AMPHICHTHYS Sw., the name later changed to MARCGRAVICTHYS by Ribeiro, because MARCGRAVIA is used in Botany.

1480. JORDAN (1886). *A Preliminary Catalogue of the Fishes of the West Indies*. Proc. U. S. Nat. Mus., IX.

DAVID STARR JORDAN.

Amiichthys (Poey), Jordan, 586; orthotype ——— DIAPTERUS Poey (1861). Only the specific name of this fish was published by Poey.

1481. JORDAN & FORDICE (1886). *A Review of the American Species of Belonidae*. Proc. U. S. Nat. Mus., IX.

DAVID STARR JORDAN; MORTON W. FORDICE.

Athlennes Jordan & Fordice, 342; orthotype BELONE HIANS Cuv. & Val. See ABLENNES, of which word ATHLENNES was an accidental slip in writing.

Ablennes Jordan & Fordice, 342; orthotype BELONE HIANS Cuv. & Val. Misprinted ATHLENNES, an orthography accepted by Jordan & Evermann, but altered to the correct Greek form from ἀβλέννης (sans mucosité, an old name for the needlefish), by a decision of the International Commission on Nomenclature.

1482. LARRAZET (1886). *Des Pièces de la peau de quelques sélaciens fossiles*. Bull. Soc. Geol. France, 1886, III, ser. 14, 255-277.

AUGUSTIN LARRAZET (1855-).

- Dynatobatis** Larrazet, 258; logotype *D. PARANENSIS* Larrazet (fossil).
Acanthobatis Larrazet, 258; orthotype *A. EXIMIA* Larrazet (fossil).
1483. MACLEAY (1886). *A Remarkable Fish from Lord Howe Island*. Proc. Linn. Soc. New South Wales, 1886, X, 718-720.
 WILLIAM MACLEAY.
Ctenodax Macleay, 718; orthotype *C. WILKINSONI* Macleay. A synonym of *TETRAGONURUS* Risso.
1484. MIKLUKHO-MACLAY & MACLEAY (1886). *Plagiostomata of the Pacific*. III. Proc. Linn. Soc. N. South Wales, 1886, X, 674-684.
 NICOLAI NICOLAEVICH MIKLUKHO-MACLAY; WILLIAM MACLEAY.
Discobatis Miklukho-Maclay & Macleay, 676; orthotype *D. MARGINIPINNIS* Miklukho-Maclay & Macleay = *RAJA LYMMA* Forskål. A synonym of *TÆNIURA* M. & H.; not *DISCOBATUS* Garman.
1485. ROMANOVSKY (1886). (*Lyrolepis*.) Geol. Soc. St. Petersburg, XXII.
 GHENNADI DANILOVICH ROMANOVSKY.
Lyrolepis Romanovsky, 304; orthotype *L. CAUCASICUS* Romanovsky (fossil).
1486. STORMS (1886). *Note sur un nouveau genre de poisson fossile de l'argile rupélienne*. Ann. Soc. Geol. Belgique. XIII. 261-266.
 RAYMOND STORMS.
Amphodon Storms, 265; orthotype *A. BENEDENI* Storms (fossil). Regarded as preoccupied by *AMPHODUS* Peters, 1872; replaced by *SCOMBRAMPHODON* Woodw., 1901.
1487. SZAJNOCHA (1886). *Ueber fossile Fische von Monte Bolca bei Verona*. Pam. Akad. Krakau, XII, (text in Polish).
 WLADYSLAW SZAJNOCHA (1857-).
Hacquetia Szajnocha, 3; orthotype *H. BOLCENSIS* Szajnocha (fossil).
1488. TRAQUAIR (1886). *On Harpacanthus, a New Genus of Carboniferous selachian spines*. Ann. Mag. Nat. Hist., 1886, 5 ser., XVIII, 493-496.
 RAMSAY HEATLEY TRAQUAIR.
Harpacanthus Traquair, 493; orthotype *TRISTYCHIUS FIMBRIATUS* Stock. (fossil).
1489. VAILLANT (1886). *Considerations sur les poissons des grandes profondeurs et en particulier sur . . . les Abdominales*. Comptes Rendus, Ac. Sci. Paris, CIII.
 LÉON LOUIS VAILLANT.
Anomalopterus Vaillant, 1239; orthotype *A. PINGUIS* Vaillant.
Leptoderma Vaillant, 1239; orthotype *L. MACROPS* Vaillant.
1490. WETTSTEIN (1886). *Ueber die Fischfauna des tertiären Glarnerschiefers*. Abh. Schweiz. Palæont. Ges., XIII, 1-103.
 ALEXANDER WETTSTEIN (1861-1887).
Scopeloides Wettstein, 55; orthotype *OSMERUS GLARISIANUS* Ag. (fossil).
Archæteuthis Wettstein, 67; orthotype *A. GLARONESIS* Wettstein (fossil).
Cyttoides Wettstein, 91; orthotype *C. GLARONESIS* Wettstein (fossil).
1491. YATES (1886). *Catalogue of Fossils in Lorenzo G. Yates Collection, Santa Barbara, Cal.*
 LORENZO G. YATES.

Platychodus Yates, 20; orthotype **PTYCHODUS MORTONI** Mantell (fossil). A synonym of **PTYCHODUS** Ag. (perhaps a slip of the pen for the latter name).

1887.

1492. BEAN (1887). *Description of a New Genus and Species of Fish, Acrotus willoughbyi from Washington Territory.* Proc. U. S. Nat. Mus., X, 631-632.

TARLETON HOFFMAN BEAN.

Acrotus Bean, 631; orthotype **A. WILLOUGHBYI** Bean.

1493. BOULENGER (1887). *An Account of Fishes Collected by Mr. C. Buckley in eastern Ecuador.* Proc. Zool. Soc. London, 1887, II, 274-283.

GEORGE ALBERT BOULENGER (1858-).

Nannoglanis Boulenger, 278; orthotype **N. FASCIATUS** Boulenger.

Leptogoniates Boulenger, 281; orthotype **L. STEINDACHNERI** Boulenger.

1494. DAMES (1887). *Ueber Titanichthys pharao . . . aus der Kreideformation Aegyptens.* Sitzber. Ges. Nat. Freunde Berlin, 69-72.

WILHELM BARNIM DAMES (1843-1898).

Titanichthys Dames, 69; orthotype **T. PHARAO** Dames. Name preoccupied; replaced by **GIGANTICHTHYS** Dames, p. 137, 1888.

1495. FORIR (1887.) *Contributions a l'étude du système Cretacé de la Belgique.* Ann. Mem. Soc. Geol. Belgique, XIV, 25-56.

H. FORIR.

Anomæodus Forir, 25; orthotype **PYCNODUS SUBCLAVATUS** Ag. (fossil).

1496. GÜNTHER (1887). *Report on the Deep-Sea Fishes Collected by H. M. S. "Challenger" during the years 1873-76. In Report on the Scientific Results of the Voyage of H. M. S. "Challenger" during the years 1873-76, XXII, pt. 57, 1-268.*

ALBERT GÜNTHER.

Synagrops Günther, 16; orthotype **MELANOSTOMA JAPONICUM** Döderlein. Substitute for **MELANOSTOMA** Döderlein, preoccupied.

Malacosarcus Günther, 30; orthotype **M. MACROSTOMUS** Gthr.

Diceratias Günther, 53; orthotype **CERATIAS BISPINOSUS** Gthr.

Lyocetus Günther, 57; orthotype **L. MURRAYI** Gthr.

Salilota Günther, 95; orthotype **HALOPORPHYRUS AUSTRALIS** Gthr.

Catætyx Günther, 104; orthotype **SIREMBO MESSIERI** Gthr.

Pteroidonus Günther, 106; orthotype **P. QUINQUARIUS** Gthr.

Mixonus Günther, 108; orthotype **BATHYNECTES LATICEPS** Gthr.

Nematonus Günther, 114; orthotype **BATHYONUS PECTORALIS** G. & B.

Diplacanthopoma Günther, 115; orthotype **D. BRACHYSOMA** Gthr.

Nematonurus Günther, 124; orthotype **N. ARMATUS** (Hector).

Cetonurus Günther, 124; orthotype **C. CRASSICEPS** Gthr.

Trachonurus Günther, 124; orthotype **MACRURUS VILLOSUS** Gthr.

Lionurus Günther, 124; orthotype **CORYPHÆNOIDES FILICAUDA** Gthr.

Mystaconurus Günther, 124; orthotype **M. LONGIBARBIS** Gthr.; a synonym of **HYMENOCEPHALUS** Giglioli.

Optonurus Günther, 147; orthotype **O. DENTICULATUS** Günther.

Lyconus Günther, 158; orthotype **L. PINNATUS** Gthr.

- Polyipnus** Günther, 170; orthotype *P. SPINOSUS* Gthr.
Nannobrachium Günther, 199; orthotype *N. NIGRUM* Gthr.
Omosudis Günther, 201; orthotype *O. LOWI* Gthr.
Opostomias Günther, 208; orthotype *ECHIOSTOMA MACRIPNUS* Gthr.
Pachystomias Günther, 210; orthotype *ECHIOSTOMA MICRODON* Gthr.
Photonectes Günther, 212; orthotype *LUCIFER ALBIPENNIS* Döderlein. Substitute for *LUCIFER* Döderlein, preoccupied.
1497. GÜNTHER (1887). *Descriptions of Two New Species of Fishes from Mauritius, etc.* Proc. Zool. Soc. London.
 ALBERT GÜNTHER.
Hoplolatilus Günther, 550; orthotype *LATILUS FRONTICINCTUS* Gthr.
1498. HERZENSTEIN & VARPAKHOVSKII (1887). *Notizen ueber die Fischfauna des Amur-Beckens und der angrenzenden Gebiete* (Russian text). Trudui St. Petersb. Nat., 1887, XVIII, 1-58.
 SALOMON MARKOVICH HERZENSTEIN (1854-1894);
 NIKOLAI ARKADEVICH VARPAKHOVSKII (1862-).
Octonema Herzenstein, 47; orthotype *O. PLESKEI* Herzenstein. Name preoccupied; replaced by *LEFUA* Herzenstein.
1499. MATTHEW (1887). *Preliminary Notice of a New Genus of Silurian Fishes (Diplaspis acadicus)*. Bull. Nat. Hist. Soc. New Brunswick, VI.
 GEORGE FREDERICK MATTHEW (1837-).
Diplaspis Matthew, 69; orthotype *PTERASPIS ACADICA* Matthew (fossil). A synonym of *CYATHASPIS* Lankester.
1500. MORTON (1887). (*Eurumetopos*.) Proc. Roy. Soc. Tasmania for 1887. (1888.)
 ALLPORT MORTON.
Eurumetopos Morton, 77; orthotype *E. JOHNSTONI* Morton. A synonym of *HYPEROGLYPHE* Gthr.
1501. OGILBY (1887). *On a New Genus of Percidæ*. Proc. Zool. Soc. London, 1887, 616-18.
 JAMES DOUGLAS OGILBY.
Chthamaloptyryx Ogilby, 616; orthotype *C. MELBOURNENSIS* Ogilby. A synonym of *PARQUULA* Steind.
1502. OGILBY (1887). *On a New Genus and Species of Australian Mugilidæ*. Proc. Zool. Soc. London, 614-616.
 JAMES DOUGLAS OGILBY.
Trachystoma Ogilby, 614; orthotype *T. MULTIDENS* Ogilby.
1503. PHILIPPI (1887). *Historia natural. Sobre los tiburones y algunos otros peces de Chile*. Anal. Univ. Chile, 1887, LXXI, 1-42.
 RUDOLPHO AMANDUS PHILIPPI.
Graus Philippi, 40; orthotype *G. NIGRA* Philippi.
1504. RAMSAY & OGILBY (1887). *On a New Genus and Species of Labroid Fish from Port Jackson*. Proc. Linn. Soc. New South Wales, 1887 (2), II, 631-634.
 EDWARD PIERSON RAMSAY; JAMES DOUGLAS OGILBY.

- Eupetrichthys** Ramsay & Ogilby, 631; orthotype *E. ANGUSTIPES* Ramsay & Ogilby.
1505. RAMSAY & OGILBY (1887). *Notes on the Genera of Australian Fishes*. Proc. Linn. Soc. New South Wales, 1887, 2 ser., II, 181-184.
EDWARD PIERSON RAMSAY; JAMES DOUGLAS OGILBY.
- Percalates** Ramsay & Ogilby, 182; orthotype *LATES COLONORUM* Gthr.
1506. SCHLÜTER (1887). *Panzerfische, etc.* Niederrhein. Ges., Bonn, 1887, 120.
(Also in Nat. Ver. Preuss. West., XLIV, 1888, 126.)
CLEMENS (AUGUST JOSEPH) SCHLÜTER (1836-).
- Ceraspis** Schlüter, 120; orthotype *C. CARINATUS* Schlüter (fossil). Name preoccupied, according to Hilgendorf.
- Drepanaspis** Schlüter, 120; orthotype *D. GEMUENDENSIS* Schlüter (fossil).
1507. STEINDACHNER & DÖDERLEIN (1887). *Beiträge zur Kenntniss der Fische Japans, IV.* Denksch. Kais. Akad. Wiss. Wien., 1887, LIII, 258-296.
FRANZ STEINDACHNER; LUDWIG DÖDERLEIN.
- Myxocephalus** Steindachner & Döderlein, 281; orthotype *M. JAPONICUS* Steindachner & Döderlein.
1508. STORMS (1887). *Notes sur les poissons fossiles du terrain rupélien.* Bull. Soc. Belg. Geol. Paléont., I, 98-112.
RAYMOND STORMS.
- Platylates** Storms, 98; orthotype *P. RUPELIENSIS* Storms (fossil).
1509. VARPAKHOVSKII (1887). *Ueber die Gattung Hemiculter Bleeker und über eine neue Gattung, Hemiculterella.* Bull. Acad. Sci. St. Petersburg., 14-23.
NIKOLAI ARKADEVICH VARPAKHOVSKII.
- Hemiculterella** Varpakhovskii, 23; orthotype *H. SAUVAGEI* Varpakhovskii.
1510. WILLIAMS (1887). *On the Fossil Faunas of the Upper Devonian, the Genesee Section, New York.* Bull. U. S. Geol. Surv., XLI, 1-104.
HENRY SHALER WILLIAMS (1847-1916).
- Prospiraxis** Williams, 86; orthotype *SPIRAXIS MAJOR* Newberry (fossil). Substitute for *SPIRAXIS* Newberry, preoccupied.
1511. ZIGNO (1887). *Due novi pesci fossili della famiglia dei Balistini, scoperti nel terreno Eocene del Veronese.* Mem. Soc. Ital., VI.
ACHILLE DE ZIGNO (1813-1892).
- Probalistum** (Massalongo) Zigno, 3; orthotype *OSTRACION IMPERIALIS* Massalongo (fossil). A synonym of *SPINACANTHUS* Ag.
1512. ZITTEL (1887). *Handbuch der Paleontologie. I. Abtheilung. Paläozoologie, Band III. Vertebrata,* 1887-90, pp. 1-900.
KARL ALFRED VON ZITTEL (1839-1904).
- Chalcodus** Zittel, 72; orthotype *C. PERMIANUS* Zittel (fossil).
- Metopacanthus** Zittel, 110; orthotype *ISCHYODUS ORTHORHINUS* Egerton (fossil).
A synonym of *MYRIACANTHUS* Ag.
- Chimæropsis** Zittel, 113; orthotype *C. PARADOXA* Zittel (fossil).
- Isopholis** Zittel, 216; logotype *OPHIOPSIS MUNSTERI* Ag. A synonym of *EUGNATHUS* Ag.; regarded as preoccupied. But *FURO* Gistel, 1848, is a still earlier substitute.

1888.

1513. BASSANI (1888). *Sopra un nuovo genere di fisostomi scoperto nell' Eocene medio del Friuli, in provincia di Udine.* Atti. Acad. Sci. Napoli, 1889, 2 ser., III, 1-4.

FRANCESCO BASSANI.

Omiodon Bassani, 2; orthotype *O. CABASSI* Bassani (fossil).

1514. DAMES (1888). *Amblypristis cheops, aus dem Eocän Aegyptens.* Sitzber. Ges. Naturf. Berlin, 1888, 106-109.

WILHELM BARNIM DAMES.

Amblypristis Dames, 106; orthotype *A. CHEOPS* Dames (fossil).

1515. DAMES (1888). *Die Ganoiden der deutschen Muschelkalk.* Paleont. Abh., IV, Heft 2, 131-180 (1-50 reprint).

WILHELM BARNIM DAMES.

Gigantichthys Dames, 137 (7 reprint); orthotype *TITANICHTHYS PHARAO* Dames (fossil). Substitute for *TITANICHTHYS* Dames, preoccupied.

Crenilepis Dames, 171 (40 reprint); orthotype *C. SANDBERGERI* Dames (fossil; a fragment of a scale from the Muschelkalk of Krainberg, Germany.)

1516. DAY (1888). *Supplement to the Fishes of India.*

FRANCIS DAY.

Acanthonotus (Tickell) Day, 807; orthotype *A. ARGENTEUS* Day. Name preoccupied, replaced by *MATSYA* Day, 1889.

1517. EIGENMANN & EIGENMANN (1888). *Preliminary Notes on South American Nematognathi.* Proc. Cal. Acad. Sci., 119-172.

CARL H. EIGENMANN (1863-); ROSA SMITH EIGENMANN (1860-).

Luciopimelodus Eigenmann & Eigenmann, 122; logotype *PIMELODUS PATI* Val.

Pimelodella Eigenmann & Eigenmann, 136; orthotype *PIMELODUS CRISTATUS* M. & T.

Duopalatinus Eigenmann & Eigenmann, 136; orthotype *PLATYSTOMA EMARGINATUM* Cuv. & Val.

Sciadeoides Eigenmann & Eigenmann, 136; orthotype *SCIADES MARMORATUS* Gill.

Steindachneria Eigenmann & Eigenmann, 137; orthotype *PLATYSOMA PARAHYBÆ* Steind. Name preoccupied; replaced by *STEINDACHNERIDION* Eigenmann.

Hassar Eigenmann & Eigenmann, 158; orthotype *DORAS ORESTES* Steindachner.

Decapogon Eigenmann & Eigenmann, 165; orthotype *CALlichthys ADSPERSUS* Steindachner.

Neoplecostomus Eigenmann & Eigenmann, 171; orthotype *PLECOSTOMUS MICROPS* Steindachner.

Rhamdella Eigenmann & Eigenmann, 172; logotype *R. ERIARCHA* Eigenmann & Eigenmann.

1518. EIGENMANN & EIGENMANN (1888). *A List of American Species of Gobiidæ and Callionymidæ, with notes on the Specimens Contained in the Museum of Comparative Zoology, at Cambridge, Massachusetts.* Proc. Cal. Acad. Sci., 1888, 2 ser., 51-78.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Barbulifer Eigenmann & Eigenmann, 70; orthotype *B. PAPILLOSUS* Eigenmann & Eigenmann = *GOBIOSOMA CEUTHÆCUM* J. & G.

Clevelandia Eigenmann & Eigenmann, 73; orthotype *GOBIOSOMA LONGIPINNE* Steind.

1519. FRITSCH (1888). *Fauna der Gaskohle und der Kalksteine der Permformation Böhmens, II.*

ANTON JAN FRITSCH.

Dipnoites Fritsch, 86; orthotype *D. PERNERI* Fritsch (fossil). A cranial bone.

1520. FACCIOLÀ (1888). *Annunzio ittiologico*. Natur. Sicil., VII.

LUIGI FACCIOLÀ.

Sympodoichthys Facciola, 167; orthotype *S. FASCIATUS* Facciola.

1521. GARMAN (1888). *On an Eel from the Marshall Islands*. Bull. Essex Institute, 1889, XX, 114-116.

SAMUEL GARMAN.

Rhinomuræna Garman, 114; orthotype *R. QUÆSITA* Garman.

1522. GILL (1888). *On the Classification of the Mail-Checked Fishes*. Proc. U. S. Nat. Mus., XI.

THEODORE GILL.

Histiocottus Gill, 573; orthotype *PEROPUS BILOBUS* Lay & Bennett. Substitute for *PEROPUS* Lay & Bennett, preoccupied.

1523. GILL (1888). *Gleanings Among the Pleuronectids, and Observations on the Name Pleuronectes*. Proc. U. S. Nat. Mus., XI.

THEODORE GILL.

Eucitharus Gill, 600; orthotype *PLEURONECTES LINGUATULA* L. Substitute for *CITHARUS* Blkr., preoccupied by *CITHARUS* Reinh., 1838; itself a synonym of *CITHARUS* Röse, 1793.

Cyclopsetta Gill, 601; orthotype *HEMIRHOMBUS FIMBRIATUS* G. & B.

Trichopsetta Gill, 601; orthotype *ARNOGLOSSUS VENTRALIS* G. & B.

1524. GILL (1888). *Some Extinct Scleroderms*. Amer. Naturalist, 1888, XXII, 446-448.

THEODORE NICHOLAS GILL.

Protacanthodes Gill, 448; orthotype *PROTOBALISTUM OMBONI* Zigno (fossil).

1525. GILL (1888). *Note on the Genus Dipterodon*. Proc. U. S. Nat. Mus., XI.

THEODORE GILL.

Dichistius Gill, 68; orthotype *DIPTERODON CAPENSIS* Cuv. Substitute for *DIPTERODON* Cuv. (1829), preoccupied by *DIPTERODON* Lac. (1803).

1526. GOODE & BEAN (1888). *Three Cruises of the "Blake," by Alexander Agassiz, II.*

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Steindachneria Goode & Bean, 26; orthotype (*S. ARGENTEA* G. & B.) A short diagnosis but no type named; fully defined in *Oceanic Ichthyology*, 1896, 419. Meanwhile a genus of South American Silurids had been named *STEINDACHNERIA* by Eigenmann, who gave the present genus of *MACRURIDS* the name of *STEINDACHNERELLA*. But the first diagnosis is adequate to hold the name, and a new name, *STEINDACHNERIDION*, has been assigned by Eigenmann to his genus of *SILURIDS*.

1527. HERZENSTEIN (1888). *Wissenschaftliche Resultate der von N. M. Przewalski nach Central-Asien unternommenen Reisen*. Zoologischer Theil, Band III, 2 Abth., 1 Lief., 91 p.

SALOMON MARKOVICH HERZENSTEIN.

Lefua Herzenstein, 3; orthotype *OCTONEMA PLESKEI* Herzenstein, substitute for *OCTONEMA* Herzenstein & Varpachovski, preoccupied. Replaces *ELXIS* Jordan & Fowler.

1528. HERZENSTEIN (1888). *Wissenschaftliche Resultate der von N. M. Przewalski nach Central-Asien unternommenen Reisen*. Zoologischer Theil, III, 2 Abth., 2 Lief., Fische, 181-262.

SALOMON MARKOVICH HERZENSTEIN.

Chuanchia Herzenstein, 224; orthotype *C. LABIOSA* Herzenstein.

Platypharodon Herzenstein, 226; orthotype *P. EXTREMUS* Herzenstein.

1529. HILGENDORF (1888). *Fische aus dem Victoria Nyanza (Ukerewe-see)*. . . . *Dr. G. A. Fischer*. Sitzber. Ges. Naturforschende Freunde, Berlin.

FRANZ MARTIN HILGENDORF.

Haplochromis Hilgendorf, 76; orthotype *H. OBLIQUIDENS* Hilgendorf.

1530. JENKINS & EVERMANN (1888). *Description of Eighteen New Species of Fishes from the Gulf of California*. Proc. U. S. Nat. Mus., X, 137-158.

OLIVER PEEBLES JENKINS (1850-); BARTON WARREN EVERMANN.

Hermosilla Jenkins & Evermann, 144; orthotype *H. AZUREA* Jenkins & Evermann.

Psednoblennius Jenkins & Evermann, 156; orthotype *P. HYPACANTHUS* Jenkins & Evermann.

1531. JORDAN (1888). *On the Generic Name of the Tunny*. Proc. Acad. Nat. Sci. Phila.

DAVID STARR JORDAN.

Albacora Jordan, 180; orthotype *SCOMBER THYNNUS* L. A substitute for *THYNNUS* Cuv., preoccupied, but *THUNNUS* South is older.

Germo Jordan, 180; orthotype *SCOMBER ALALUNGA* Gmelin.

1532. JORDAN (1888). *Manual of the Vertebrates, etc.* Edition V.

DAVID STARR JORDAN.

Miniellus Jordan, 56; orthotype *HYBOPSIS PROCNE* Cope. A synonym of *ALBURNOPS* Grd.

1533. JORDAN & BOLLMAN (1888). *List of Fishes Collected at Green Turtle Cay, in the Bahamas, by Charles L. Edwards; with Descriptions of Three New Species*. Proc. U. S. Nat. Mus., XI, 549-553.

DAVID STARR JORDAN; CHARLES HARVEY BOLLMAN (1868-1889).

Stilbiscus Jordan & Bollman, 549; orthotype *S. EDWARDSI* Jordan & Bollman. An ally of *MORINGUA* Gray.

1534. JORDAN & GOSS (1888). *A Review of the Flounders and Soles (Pleuronectidæ) of America and Europe*. Ann. Rept. U. S. Comm. Fish and Fisheries for 1886 (1888).

DAVID STARR JORDAN; DAVID KOP GOSS (1863-1900).

Azevia Jordan & Goss, 271; orthotype *CITHARICHTHYS PANAMENSIS* Steindachner.

Quenselia Jordan, 306; orthotype *PLEURONECTES OCELLATUS* L.

Acedia Jordan, 321; orthotype *APHORISTIA NEBULOSA* G. & B.

1535. KIRSCH (1888). *Note on a Collection of Fishes Obtained in the Gila River at Fort Thomas, Arizona, by Lieut. W. L. Carpenter, U. S. Army*. Proc. U. S. Nat. Mus., XI, 555-558.

PHILIP HENRY KIRSCH (1851-1900).

Xyrauchen Kirsch, 556; orthotype CATOSTOMUS CYPHO Lockington = CATOSTOMUS TEXANUS C. C. Abbott.

1536. MOCQUARD (1888). *Revision des Clinus de la Collection du Museum, etc.* Bull. Sci. Philom. Paris, I.

F. MOCQUARD.

Paraclinus Mocquard, 41; orthotype ACANTHOCLINUS CHAPERI Mocquard. Substitute for ACANTHOCLINUS Mocquard, preoccupied.

1537. REIS (1888). *Die Cœlacanthinen mit besonder Berücksichten der im Weissen Jura Bayerns vorkommenden Gattungen.* Paleontographica, XXV.

OTTO M. REIS.

Rhabdoderma Reis, 71; orthotype CÆLACANTHUS ELEGANS Ag. (fossil). A synonym of CÆLACANTHUS Ag.

1538. STEINDACHNER (1888). *Ichthyologische Beiträge, XIV.* S. B. Ak. Wiss. Wien., XCIX.

FRANZ STEINDACHNER.

Hoplotilapia Steindachner, 60; orthotype PARATILAPIA RETRODENS Steindachner.

1539. TRAQUAIR (1888). *Further Notes on Carboniferous Selachii.* Geol. Mag. 3, dec. V.

RAMSAY HEATLEY TRAQUAIR.

Callopristodus Traquair, 85; orthotype CTENOPTYCHIUS PECTINATUS Ag. (fossil).

Dicentrodus Traquair, 86; orthotype CLADODUS BICUSPIDATUS Traquair (fossil).

Chondrenchelys Traquair, 103; orthotype C. PROBLEMATICA Traquair (fossil).

1540. TRAQUAIR (1888). *Notes on the Nomenclature of the Fishes of the Old Red Sandstone of Great Britain.* Geol. Mag., 1888, III, dec. 5, 507-517.

RAMSAY HEATLEY TRAQUAIR.

Microbrachium Traquair, 510; orthotype M. DICKII Traquair (fossil).

Mesacanthus Traquair, 511; orthotype ACANTHODES PUSILLUS Ag. (fossil).

Rhadinacanthus Traquair, 511; orthotype DIPLACANTHUS LONGISPINUS Ag. (fossil).

A synonym of DIPLACANTHUS Ag.

Thursius Traquair, 516; orthotype T. PHOLIDOTUS Traquair (fossil).

1541. TRAUTSCHOLD (1888). *Ueber Edestus protopirata Trd.* Zeitschr. Deutsch. Geol. Ges., 1888, XL, 750-753.

HERMANN VON TRAUTSCHOLD.

Protopirata Trautschold, 750; orthotype EDESTUS PROTOPIRATA Trautschold (fossil). = P. CENTRODON Trautschold. A synonym of EDESTUS Leidy.

1542. VAILLANT (1888). (*Poissons.*) *Mission scientifique du Cap Horn, 1882-83.* VI, Zoologie, Paris, 1888, 1-35.

LÉON (LOUIS) VAILLANT.

Enantioliparis Vaillant, 22; orthotype E. PALLIDUS Vaillant.

1543. VAILLANT (1888). *Expéditions scientifiques du "Travailleur" et du "Talisman" pendant les années 1880, 1881, 1882, 1883.* Poissons. Paris, 1-406.

LÉON VAILLANT.

Gyrionemus Vaillant, 18, 45; orthotype G. NUMMULARIS Vaillant = DIRETMUS ARGENTEUS G. & B. A synonym of DIRETMUS Gthr.

Opisthoproctus Vaillant, 105; orthotype O. SOLEATUS Vaillant.

- Eustomias** Vaillant, 112; orthotype *E. obscurus* Vaillant.
Scopelogadus Vaillant, 141, 385; orthotype *S. cocles* Vaillant. A synonym of *MELAMPHAES* Gthr.
Anomalopterus Vaillant, 160; orthotype *A. pinguis* Vaillant. This genus and the next noticed in 1886.
Leptoderma Vaillant, 165; orthotype *L. macrops* Vaillant.
Alexeterion Vaillant, 182; orthotype *L. parfaite* Vaillant.
Brosmiculus Vaillant, 292; orthotype *B. imberbis* Vaillant.
Lycodophis Vaillant, 311; orthotype *L. albus* Vaillant. A synonym of *LYCENCHELYS* Gill.
Gymnolycodes Vaillant, 312; orthotype *G. edwardsi* Vaillant.
Neostoma Vaillant, 385; logotype *N. bathyphilus* Vaillant.
1544. WOODWARD (1888). *A Synopsis of the Vertebrate Fossils of the English Chalk*. Proc. Geol. Assoc. London, 1888, X, 273-338.
 ARTHUR SMITH WOODWARD (1864-).
Synechodus Woodward, 288; orthotype *Hybodus dubrisiensis* Mackie (fossil).
Elasmodectes (Newton) Woodward, 301; orthotype *Elasmognathus willetti* Newton (fossil). Substitute for *ELASMOGNATHUS* Newton, preoccupied.
Neorhombolepis Woodward, 304; orthotype *N. excelsus* Woodw. (fossil).

 1889.

1545. ALCOCK (1889) *On the Bathybial Fishes of the Bay of Bengal and Neighboring Waters, Obtained During the Season of 1888-9*. Ann. Mag. Nat. Hist., 1889, IV, 376-399, 450-461.
 ALFRED WILLIAM ALCOCK.
Paracentroscyllium Alcock, 379; orthotype *P. ornatum* Alcock.
Brephostoma Alcock, 383; orthotype *B. carpenteri* Alcock.
Pycnocraspedum Alcock, 386; orthotype *P. squamipinne* Alcock.
Paradicrolene Alcock, 387; orthotype *P. multifilis* Alcock.
Saccogaster Alcock, 389; orthotype *S. maculatus* Alcock.
Glyptophidium Alcock, 390; orthotype *G. argenteum* Alcock.
Halosaurichthys Alcock, 454; orthotype *H. carinicauda* Alcock.
Coloconger Alcock, 456; orthotype *C. raniceps* Conger.
Sauromurænesox Alcock, 457; orthotype *S. vorax* Alcock.
Dysomma Alcock, 459; orthotype *D. bucephalus* Alcock.
Gavialiceps Alcock, 460; orthotype *G. tæniola* Alcock.
1546. BEAN (1889). *Description of a New Cottoid Fish Collected by the U. S. Fish Com. (Synchirus gilli)*. Proc. U. S. Nat. Mus., XII, 641-642.
 TARLETON HOFFMAN BEAN.
Synchirus Bean, 642; orthotype *S. gilli* Bean.
1547. COLLETT (1889). *Diagnoses de poissons nouveaux provenant des campagnes de "L'Hirondelle"*. Bull. Soc. Zool. France, 1889, XIV, 291-293, 122-132.
 ROBERT COLLETT.
Conchognathus Collett, 123; orthotype *C. grimaldii* Collett. A synonym of *SIMENCHELYS* Gill.
Photostomias Collett, 291; orthotype *P. guerni* Collett.

1548. COPE (1889). *Storms on the Adhesive Disk of Echeneis*. Amer. Naturalist, 1889, XXIII, 254-255.

EDWARD DRINKER COPE.

Opisthomyzon Cope, 255; orthotype ECHENEIS GLARONENSIS Wettstein (fossil).

1549. DAY (1889). *W. T. Blanford, the Fauna of British India, including Ceylon and Burmah; (Fishes)*.

FRANCIS DAY.

Matsya Day, 292; orthotype ACANTHONOTUS ARGENTEUS Day. A substitute for ACANTHONOTUS (Tickell) Day, preoccupied.

1550. DEECKE (1889). *Ueber Fische aus verschiedenen Horizonten der Trias*. Palæontographica, 1888-89, XXV., 97-138.

JOHANNES ERNST WILHELM DEECKE.

Allolepidotus Deecke, 114; logotype PHOLIDOPHORUS RUPPELLI Bellotti (fossil).

Archæosemionotus Deecke, 121; orthotype A. CONNECTENS Deecke (fossil). Probably a synonym of SEMIONOTUS.

Prohalecites Deecke, 125; orthotype PHOLIDOPHORUS PORRO Bellotti (fossil).

1551. EIGENMANN & EIGENMANN (1889). *Notes from the San Diego Biological Laboratory. The Fishes of Cortez Banks, etc.* West. Amer. Sci., 1889, VI, 123-132; 147-150.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Paricelinus Eigenmann & Eigenmann, 131; orthotype P. HOPLITICUS Eigenmann & Eigenmann.

1552. EIGENMANN & EIGENMANN (1889). *Description of New Nematognathoid Fishes from Brazil*. West. Amer. Sci., VI, 8-10.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Microlepidogaster Eigenmann & Eigenmann, 8; orthotype M. PERFORATUS Eigenmann & Eigenmann.

1553. EIGENMANN & EIGENMANN (1889). *Preliminary Description of New Species and Genera of Characinidæ*. West. Amer. Sci., 1889, VI, 7-8.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Psectrogaster Eigenmann & Eigenmann, 7; orthotype P. RHOMBOIDES Eigenmann & Eigenmann.

1554. EIGENMANN & EIGENMANN (1889). *Preliminary Notes on South American Nematognathi*, II. Proc. Cal. Acad. Sci. (2), II, 28-56.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Acentronichthys Eigenmann & Eigenmann, 29; orthotype A. LEPTOS Eigenmann & Eigenmann.

Nemuroglanis Eigenmann & Eigenmann, 29; orthotype N. LANCEOLATUS Eigenmann & Eigenmann.

Farlowella Eigenmann & Eigenmann, 32; orthotype ACESTRA ACUS Kner. Substitute for ACESTRA Kner, preoccupied in Mollusks.

Oxyropsis Eigenmann & Eigenmann, 39; orthotype O. WRIGHTIANA Eigenmann & Eigenmann.

Hisonotus Eigenmann & Eigenmann, 41; orthotype H. NOTATUS Eigenmann & Eigenmann.

Parotocinclus Eigenmann & Eigenmann, 41; orthotype OTOCINCLUS MACULICAUDA Steind.

- Panaque** Eigenmann & Eigenmann, 44; orthotype *CHÆTOSTOMUS NIGROLINEATUS* Peters.
- Delturus** Eigenmann & Eigenmann, 45; orthotype *D. PARAHYBÆ* Eigenmann & Eigenmann.
- Hemipsilichthys** Eigenmann & Eigenmann, 46; orthotype *XENOMYSTUS GOBIO* Lütken. Substitute for *XENOMYSTUS* Lütken, preoccupied.
- Tridens** Eigenmann & Eigenmann, 53; orthotype *T. MELANOPS* Eigenmann & Eigenmann.
- Pseudostegophilus** Eigenmann & Eigenmann, 54; orthotype *STEGOPHILUS NEMURUS* Gthr.
- Miuroglanis** Eigenmann & Eigenmann, 56; orthotype *M. PLATYCEPHALUS* Eigenmann & Eigenmann.
1555. EIGENMANN & EIGENMANN (1889). *A Revision of the Edentulous Genera of Curimatinae*. Ann. N. Y. Acad. Sci., IV, 409-440.
CARL H. EIGENMANN; ROSA SMITH EIGENMANN.
- Curimatella** Eigenmann & Eigenmann, 415; logotype *C. LEPIDURUS* Eigenmann & Eigenmann.
- Semitapicis** Eigenmann & Eigenmann, 415; logotype *CURIMATUS SPILURUS* Gthr.
1556. FRAAS (1889). *Kopfstacheln von Hybodus und Acrodus sogenannte Ceratodus heteromorphus* Ag. Jahrb. Ver. Vaterl. Natur. Württemberg, XLV.
EBERHARD FRAAS (1862-1915).
- Hybodonchus** Fraas, 235; orthotype *CERATODUS HETEROMORPHUS* Ag. (part) (fossil).
- Acrodonchus** Fraas, 235; orthotype confused with *CERATODUS HETEROMORPHUS* Ag. (fossil).
1557. FRITSCH (1889). *Fauna der Gasköhle und der Kalksteine der Permformation Böhmens*, Vol. II.
ANTON JAN FRITSCH.
- Tubulacanthus** Fritsch, 113; orthotype *T. SULCATUS* Fritsch (fossil).
- Brachiacanthus** Fritsch, 113; orthotype *B. SEMIPLANUS* Fritsch (fossil). (Not *BRACHYACANTHUS* Egert.)
- Platyacanthus** Fritsch, 113; orthotype *P. VENTRICOSUS* Fritsch (fossil).
1558. GIGLIOLI (1889). *On a Supposed New Genus and Species of Pelagic Gadoid Fishes from the Mediterranean*. Proc. Zool. Soc. London, 1889. 328-332.
ENRICO HILLYER GIGLIOLI.
- Eretmophorus** Giglioli, 328; orthotype *E. KLEINENBERGI* Giglioli.
1559. GÜNTHER (1889). *On Some Fishes from Kilima-Njaro District*. Proc. Zool. Soc. London. 1889, 70-72.
ALBERT GÜNTHER.
- Oreochromis** Günther, 70; orthotype *O. HUNTERI* Gthr.
1560. GÜNTHER (1889). *Third Contribution to Our Knowledge of Reptiles and Fishes from the Upper Yang-tze-Kiang*. Ann. Mag. Nat. Hist., 1889; 6 ser. IV, 218-229.
ALBERT GÜNTHER.
- Rhynchocypris** Günther, 225; orthotype *R. VARIEGATA* Gthr.
- Scombrocypris** Günther, 226; orthotype *S. STYANI* Gthr.

Scomberopsis Günther, 226; orthotype *S. STYANI* Gthr.

Parapelecus Günther, 227; orthotype *P. ARGENTEUS* Gthr.

1561. GÜNTHER (1889). *Report on the Pelagic Fishes; in Report on the Scientific Results of the Voyage of H. M. S. "Challenger" during the years 1873-76, Vol. XXXI, pt. 78.*

ALBERT GÜNTHER.

Lepidothynnus Günther, 15; orthotype *L. HUTTONI* Gthr.

Auchenoceros Günther, 24; orthotype *CALLOPTILUM PUNCTATUM* Hutton. Substitute for *CALLOPTILUM* Hutton, preoccupied.

Halaphya Günther, 38; orthotype *H. ELONGATA* Gthr.

1562. HILGENDORF (1889). *Ueber eine Fischesammlung von Haiti, welche zwei neue Arten, Pæcilia tridens und Eleotris maltzani, enthält.* Sitzber. Ges. Naturf. Freunde Berlin, 1889. 51-55.

FRANZ (MARTIN) HILGENDORF.

Acropæcilia Hilgendorf, 52; orthotype *PÆCILIA TRIDENS* Hilgendorf.

1563. JAEKEL (1889). *Die Selachier aus dem oberen Muschelkalk Lothringens.* Abh. Geol. Spec. Elsass-Lothringen. III, 275-332.

OTTO (MAX JOHANNES) JAEKEL. (1863-).

Polyacrodus Jaekel, 321; orthotype *HYBODUS POLYCYPHUS* Jaekel (fossil).

1564. JORDAN & BOLLMAN (1889). *Descriptions of New Species of Fishes Collected at the Galapagos Islands and Along the Coast of the United States of Colombia, 1887-88.* Proc. U. S. Nat. Mus., 1889 (1890), XII, 149-183.

DAVID STARR JORDAN; CHARLES HARVEY BOLLMAN.

Xenocys Jordan & Bollman, 160; orthotype *X. JESSIÆ* Jordan & Bollman.

Bollmannia Jordan, 164; orthotype *B. CHLAMYDES* Jordan.

Runula Jordan & Bollman, 171; orthotype *R. AZALEA* Jordan & Bollman.

Engyophrys Jordan & Bollman, 176; orthotype *E. SANCTI-LAURENTII* Jordan & Bollman.

1565. JORDAN & EIGENMANN (1889). *A Review of the Sciænidæ of America and Europe.* Report U. S. Fish. Comm., 1886 (1889), XIV, 343-446.

DAVID STARR JORDAN; CARL H. EIGENMANN.

Corvula Jordan & Eigenmann, 379; orthotype *JOHNIUS BATABANUS* Poey.

Callaus Jordan, 401; orthotype *CORVINA DELICIOSA* Tschudi.

1566. NEWBERRY (1889). *The Paleozoic Fishes of North America.* Monogr. U. S. Geol. Surv., 1889 (issued August, 1890), XVI, 1-340.

JOHN STRONG NEWBERRY.

Heteracanthus Newberry, 65; orthotype *H. POLITUS* Newberry (fossil). Name preoccupied; replaced by *GAMPHACANTHUS* Miller.

Ganiodus Newberry, 67; orthotype *G. HERTZERI* Newberry (fossil).

Callognathus Newberry, 69; orthotype *C. REGULARIS* Newberry (fossil).

Sphenophorus Newberry, 91; orthotype *S. LILLEYI* Newberry (fossil).

Holonema Newberry, 92; orthotype *PTERICHTHYS RUGOSUS* Claypole (fossil).

Glyptaspis Newberry, 157; orthotype *G. VERRUCOSUS* Newberry (fossil).

Actinophorus Newberry, 174; orthotype *A. CLARKII* Newberry (fossil).

Mazodus Newberry, 178; orthotype *M. KEPLERI* Newberry (fossil).

Trachosteus Newberry, 188; orthotype *DINICHTHYS MIRABILIS* Newberry (fossil).

Stethacanthus Newberry, 198; orthotype *S. TUMIDUS* Newberry (fossil).

1567. OGILBY (1889). *Description of a New Genus and Species of Deep-Sea Fish from Lord Howe Island*. Proc. Linn. Soc. New S. Wales, 1888, 1313-1316 (1889).

JAMES DOUGLAS OGILBY.

Sternoptychides Ogilby, 1313; orthotype *S. AMABILIS* Ogilby.

1568. PFEFFER (1889). *Uebersicht der von Herrn Dr. Franz Stuhlmann in Aegypten, auf Zanzibar und dem gegenüberliegenden Festlande gesammelten Reptilien, Amphibien, Fische, etc.* Jahrb. Wiss. Anstalt Hamburg, VI, Pt. 2, 1-36.

GEORG JOHANN PFEFFER (1854-).

Anoplopterus Pfeffer, 15; orthotype *A. URANOSCOPIUS* Pfeffer. A synonym of *AMPHILIUS* Gthr.

1569. SCHULZE (1889). *Fauna piscium Germaniæ. Verzeichniss der Fische der Stromgebiete der Donau, des Rheines, der Ems, Weser, Elbe, Oder, Weichsel, des Pregels und der Memel*. Jahresber. Naturw. Ver. Magdeburg, 1889, 137-213.

ERWIN SCHULZE (1861-).

Liparus Schulze, 61; orthotype *CYPRINUS RUTILUS* L. A synonym of *RUTILUS* Raf. if this unverified citation is correct.

Epitomynis Schulze, 174; logotype *SALMO HUCHO* L. A needless substitute for *HUCHO* and *SALMELINUS*.

Metallites Schulze, 184; orthotype *CYPRINUS RUTILUS* L. A synonym of *RUTILIUS* Raf.

Epitrachys Schulze, 209; orthotype *PERCA FLUVIATILIS* L. An absurdly needless synonym of *PERCA* L.

1570. VAILLANT (1889). *Sur les poissons des eaux douces de Borneo*. Congr. Intern. Zool. Paris, 1889, 81-82, Comptes Rendus.

LÉON VAILLANT.

Lepidoglanis Vaillant, 82; orthotype *L. MONTICOLA* Vaillant.

1571. ROHON (1889). *Ueber unter-Silurische Fische*. Mélange, Geol. Pal.; Acad. Sci. St. Petersb., I, 7-15.

JOSEPH VICTOR ROHON.

Gyrolepidotus Rohon, 8; orthotype *G. SCHMIDI* Rohon (fossil).

1572. VINCIGUERRA (1889). *Viaggio di Leonardo Fea in Burmania e regioni vicine: Pesci*. Ann. Mus. Civ. Storia Nat. Genova, II, ser. 9, 129-362.

DECIO VINCIGUERRA.

Scaphiodonichthys Vinciguerra, 285; orthotype *S. BURMANICUS* Vinciguerra.

Helgia Vinciguerra, 330; logotype *HOMALOPTERA BILINEATA* Blyth.

1574. WOODWARD (1889). *Preliminary Notes on Some New and Little Known British Jurassic Fishes*. Geol. Mag., VI, 448-455.

ARTHUR SMITH WOODWARD.

Leedsia Woodward, 451; orthotype *L. PROBLEMATICA* Woodw. (fossil). Name pre-occupied; replaced by *LEEDSICHTHYS* Woodw. (1889).

1575. WOODWARD (1889). *Notes on Some New and Little Known British Jurassic Fishes*. Ann. Mag. Nat. Hist., 6 ser., IV, 405-407.

ARTHUR SMITH WOODWARD.

Leedsichthys Woodward, 406; orthotype *LEEDSIA PROBLEMATICUS* Woodw. (fossil).
Substitute for *LEEDSIA* Woodw., preoccupied.

Browneichthys Woodward, 407; orthotype *B. ORNATUS* Woodw. (fossil).

1576. WOODWARD (1889). *On Atherstonia, a New Genus of Palæoniscid Fishes from the Karoo Formation of South Africa, and a Tooth of Ceratodus from the Stormberg Beds of the Orange Free State.* Ann. Mag. Nat. Hist., 1899, 6 ser., IV, 239-243.

ARTHUR SMITH WOODWARD.

Atherstonia Woodward, 239; orthotype *A. SCUTATA* Woodw. (fossil).

1577. WOODWARD (1889). *Catalogue of the Fossil Fishes in the British Museum of Natural History, I, 1889.*

ARTHUR SMITH WOODWARD.

Mesolophodus Woodw., 61; orthotype *M. PROBLEMATICUS* Woodw. (fossil).

Sclerorhynchus Woodward, 76; orthotype *S. ATAVUS* Woodw. (fossil).

Pleuroplax Woodward, 173; orthotype *PLEURODUS RANKINEI* Ag. (fossil). Substitute for *PLEURODUS* Hancock & Atthey, preoccupied.

Cantioscyllium Woodward, 347; orthotype *C. DECIPIENS* Woodw. (fossil).

Orthacodus Woodward, 349; orthotype *LAMNA LONGIDENS* Ag. (fossil). Substitute for *SPHENODUS* Ag., regarded as preoccupied by *SPHENODON* Gray.

Scapanorhynchus Woodward, 351; logotype *RHYNCHOGNATHUS LEWISI* Davis (fossil). A substitute for *RHYNCHOGNATHUS* Davis, preoccupied. The fossil homologue of the living shark, *MITSUKURINA* Jordan.

1578. WOODWARD (1889). *On the Palæontology of Sturgeons.* Proc. Geol. Assoc. London, 1889, XI, 24-44.

ARTHUR SMITH WOODWARD.

Pholidurus Woodward, 44; orthotype *P. DISJECTUS* Woodw. (fossil).

1890.

1579. ALCOCK (1890). *On the Bathybial Fishes Collected in the Bay of Bengal During the Season 1888-1890.* Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 197-222.

ALFRED WILLIAM ALCOCK.

Bathyseriola Alcock, 202; orthotype *B. CYANEA* Alcock.

Ponerodon Alcock, 203; orthotype *P. VASTATOR* Alcock.

Paroneiroides Alcock, 206; orthotype *P. GLOMEROSUS* Alcock.

Tauredophidium Alcock, 212; orthotype *T. HEXTII* Alcock.

Thaumastomias Alcock, 220; orthotype *T. ATROX* Alcock.

1580. ALCOCK (1890). *On the Bathybial Fishes of the Arabian Sea, Obtained During the Season 1889-1890.* Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 295-311.

ALFRED WILLIAM ALCOCK.

Paradicrolene Alcock, 297; orthotype *P. VAILLANTI* Alcock.

Monomitopus Alcock, 297; orthotype *SIREMBO NIGRIFINNIS* Alcock.

Dermatorus Alcock, 298; orthotype *D. TRICHIURUS* Alcock.

Scopelogenys Alcock, 302; orthotype *S. TRISTIS* Alcock.

Narcetes Alcock, 305; orthotype *N. ERIMELAS* Alcock.

Aulastomatomorpha Alcock, 307; orthotype *A. PHOSPHEROPS* Alcock.

Promyllantor Alcock, 310; orthotype *P. PURPUREUS* Alcock.

1581. ALCOCK (1890). *Descriptions of Some New and Rare Species of Fishes from the Bay of Bengal, Obtained During the Season of 1888-1889*. Journ. Asiat. Soc. Bengal, 1890, LVIII, 296-305.

ALFRED WILLIAM ALCOCK.

Parascombrops Alcock, 296; orthotype *P. PELLUCIDUS* Alcock.

Bathymyrus Alcock, 305; orthotype *B. ECHINORHYNCHUS* Alcock.

1582. ALCOCK (1890). *List of Pleuronectidæ Obtained in the Bay of Bengal in 1888 and 1889, with Descriptions of New and Rare Species*. Journ. Asiat. Soc. Bengal, 1889, LVII, 279-295, 293-305.

ALFRED WILLIAM ALCOCK.

Scianectes Alcock, 284; orthotype *S. MACROPTHALMUS* Alcock.

1583. ALCOCK (1890). *On Some Undescribed Shore-Fishes from the Bay of Bengal*. Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 425-443.

ALFRED WILLIAM ALCOCK.

Psettylis Alcock, 437; logotype *P. PELLUCIDA* Alcock.

1584. BEAN (1890). *New Fishes Collected off the Coast of Alaska and the Adjacent Region Southward*. Proc. U. S. Nat. Mus., 1890, XIII, 37-45.

TARLETON HOFFMAN BEAN.

Bothrocara Bean, 39; orthotype *B. MOLLIS* Bean.

Poroclinus Bean, 40; orthotype *P. ROTHROCKI* Bean.

Dasycottus Bean, 42; orthotype *D. SETIGER* Bean.

Malacocottus Bean, 43; orthotype *M. ZONURUS* Bean.

1585. DAVIS (1890). *On the Fossil Fishes of the Cretaceous Formations of Scandinavia*. Trans. Roy. Dublin Soc., IV, 363-434.

JAMES WILLIAM DAVIS.

Bathysoma Davis, 424; orthotype *B. LUTKENI* Davis (fossil).

1586. EIGENMANN & EIGENMANN (1890). *Additions to the Fauna of San Diego*. Proc. Cal. Ac. Sci., III, 1-24.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Stenobranchius Eigenmann & Eigenmann, 4; orthotype *S. LEUCOPSARUM* Eigenmann & Eigenmann. A synonym of *NANNOBRACHIUM* Gthr.

Catablemella Eigenmann & Eigenmann, 3, 24; orthotype *C. BRACHYCHIR* Eigenmann & Eigenmann. A synonym of *NOTOSCOPELUS* Gthr. (*MACROSTOMA* Risso).

1587. FATIO (1890). *Faune des Vertébrés en Suisse*. V. Histoire Naturelle des Poissons.

VICTOR FATIO.

Spirlingus Fatio, 389; orthotype *CYPRINUS BIPUNCTATUS* Bloch. An ally or synonym of *BLICCA*.

1588. FORBES (1890). *A New Genus of Percidæ from New Zealand*. Trans. N. Z. Inst., XXII, for 1890.

H. O. FORBES.

Plagiogeneion Forbes, 273; orthotype *THERAPON RUBIGINOSUS* Hutton.

1589. GARMAN (1890). *On the Species of the Genus Anostomus*. Bulletin Essex Inst., XXII, 15-23.

SAMUEL GARMAN.

Schizodontopsis Garman, 19; logotype *S. PROXIMUS* Garman.

1590. GARMAN (1890). *On a Genus and Species of the Characines (Henoichilus wheatlandi, etc.)*. Bull. Essex Instit., 1890, XXII, 49-52.

SAMUEL GARMAN.

Henoichilus Garman, 49; orthotype *H. WHEATLANDI* Garman.

1591. GILBERT (1890). *A Preliminary Report on the Fishes Collected by the Steamer "Albatross" on the Pacific Coast of North America during the Year 1889, etc.* Proc. U. S. Nat. Mus., 1890, XIII, 49-126.

CHARLES HENRY GILBERT.

Leuroglossus Gilbert, 57; orthotype *L. STILBIUS* Gilbert. Closely allied to *GLOSSANODON* (LIOGLOSSUS) Guichenot; perhaps the same.

Calotomus Gilbert, 70; orthotype *C. XENODON* Gilbert. A synonym of *LEPTOSCARUS* Sw.

Radulinus Gilbert, 88; orthotype *R. ASPRELLUS* Gilbert.

Bathyagonus Gilbert, 89; orthotype *B. NIGRIPINNIS* Gilbert.

Xenochirus Gilbert, 90; orthotype *X. TRIACANTHUS* Gilbert. Name preoccupied; replaced by *XENERETMUS* Gilbert.

Gillellus Gilbert, 98; orthotype *G. SEMICINCTUS* Gilbert.

Cryptotrema Gilbert, 101; orthotype *C. CORALLINUM* Gilbert.

Plectobranchus Gilbert, 102; orthotype *P. EVIDES* Gilbert.

Lucioblennius Gilbert, 103; orthotype *L. ALEPIDOTUS* Gilbert.

Aprodon Gilbert, 106; orthotype *A. CORTEZIANA* Gilbert.

Lycodapus Gilbert, 107; orthotype *L. FIERASFER* Gilbert.

Lioglossina Gilbert, 122; orthotype *L. TETROPTHALMA* Gilbert.

1592. GILBERT (1890). *Supplementary List of Fishes Collected at Galapagos Islands and Panama, with Description of One New Genus and Three New Species*. Proc. U. S. Nat. Mus., 1890, XIII, 449-455.

CHARLES HENRY GILBERT.

Dialommus Gilbert, 452; orthotype *D. FUSCUS* Gilbert.

1593. GILL (1890). *Osteological Characteristics of the Family Murænosocidæ*. Proc. U. S. Nat. Mus., XIII.

THEODORE GILL.

Congresox Gill, 231; orthotype *CONGER TALABON* Cuv.

1594. HERZENSTEIN (1890). *Ichthyologische Bemerkungen . . . Mélanges Biologiques*. Bull. Ac. Sci. St. Petsb., XIII.

SALOMON MARKOVICH HERZENSTEIN.

Cheiragonus Herzenstein, 116; orthotype *HYPAGONUS GRADIENS* Herzenstein = *ASPIDOPHORUS QUADRICORNIS* Cuv. & Val. A synonym of *HYPAGONUS* Gill.

Dinogunellus Herzenstein, 119; orthotype *STICHÆUS GRIGORJEWI* Herzenstein.

1595. HUTTON (1890). *List of New Zealand Fishes*. Proc. N. Z. Inst., XXII.

FREDERICK WOLLASTON HUTTON.

Neptotichthys Hutton, 278; orthotype *DITREMA VIOLACEA* Hutton.

1596. JAEKEL (1890). *Ueber Phaneropleuron und Hemictenodus n. g.* Sitzber. Ges. Naturf. Freunde Berlin, 1890, 1-8.

OTTO (MAX JOHANNES) JAEKEL.

Hemictenodus Jaekel, 7; logotype CTENODUS OBLIQUUS Hancock & Atthey (fossil).
As restricted by Traquair, 1890, a synonym of SAGENODUS.

1597. JORDAN (1890). *List of Fishes Obtained (by the "Albatross") in the Harbor of Bahia and in Adjacent Waters.* Proc. U. S. Nat. Mus., XIII.

DAVID STARR JORDAN.

Verecundum Jordan, 330; orthotype V. RASILE Jordan.

1598. JORDAN (1890). *A Review of the Labroid Fishes of America and Europe.* Rept. U. S. Fish Comm., XV, for 1887 (1890).

DAVID STARR JORDAN.

Lappanella Jordan, 622; orthotype CTENOLABRIS IRIS Cuv. & Val.

Xyrula Jordan, 656; orthotype XYRICHTHYS JESSIÆ Jordan.

1599. JORDAN & EIGENMANN. *A Review of the Genera and Species of Serranidæ Found in the Waters of America and Europe.* Bull. U. S. Fish Comm. for 1888 (1890), VIII.

DAVID STARR JORDAN; CARL H. EIGENMANN.

Gilbertia Jordan & Eigenmann, 333, 346; orthotype PLECTROPOMA SEMICINCTUM Cuv. & Val. A synonym of HYPOPLECTRODES Gill, an undescribed genus, known by its indicated type.

Garrupa Jordan & Eigenmann, 353; orthotype SERRANUS NIGRITUS Holbrook.

Serranellus Jordan & Eigenmann, 399; orthotype PERCA SCRIBA L.

1600. LOHEST (1890). *Recherches sur les Poissons des Terrains Paléozoïques de Belgique. Poissons des Psammites du Condros, Famennien Supérieur.* Ann. Soc. Geol. Belg., XV, 112-203.

MAXIMIN LOHEST.

Pentagonolepis Lohest, 159; orthotype P. KONINCKI Lohest (fossil).

1601. RENAULT & ZEILLER (1890). *La Flore Fossile de Commeny.* St. Etienne, 1890.

B. RENAULT; R. ZEILLER.

Fayolia Renault & Zeiller, orthotype not named (fossil). Egg: the spiral egg-case of a HETERODONTID Shark, mistaken for a plant. (Quoted from Meunier).

1602. ROHON (1890). *Die Jura-Fische von Ust-Balei in Ost-Sibirien.* Mem. Ac. Petersb., XXXVIII, no. 1, 1-15.

JOSEF VICTOR ROHON.

Palæoniscinotus Rohon, 8; logotype P. CZEKANOWSKII Rohon (fossil).

Baleiichthys Rohon, 13; logotype B. GRACIOSA Rohon (fossil). A synonym of PHOLIDOPHORUS Ag.

1603. SCHILTHUIS (1890). *On a Collection of Fishes from the Congo; with Descriptions of Some New Species.* Tijdschr. Nederl. Dierk. Ver., 1890-92, 2 ser., III, 83-92.

LOUISE SCHILTHUIS.

Lamprologus Schilthuis, 85; orthotype L. CONGOENSIS Schilthuis.

1604. TRAQUAIR (1890). *On Phlyctænius, a New Genus of Coccoosteidæ.* Geol. Mag., 1890, III, dec. 7, 55-60.

RAMSAY HEATLEY TRAQUAIR.

Phlyctænius Traquair, 55; orthotype COCCOSTEUS ACADIUS Whiteaves (fossil). Name regarded as preoccupied; replaced by PHLYCTÆNASPIS Traquair.

1605. TRAQUAIR (1890). *Note on Phlyctænius, a New Genus of Coccosteidae*. Geol. Mag., VII, 144.

RAMSAY HEATLEY TRAQUAIR.

Phlyctænaspis Traquair, 144; orthotype COCCOSTEUS ACADICUS Whiteaves. Substitute for PHLYCTÆNIUS Traquair, regarded as preoccupied by PHLYCTÆNIUM Zittel.

1606. TRAQUAIR (1890). *List of the Fossil Dipnoi and Ganoidei of Fife and the Lothian*. Proc. Roy. Phys. Soc. Edinburgh, 1890, XVII, 385-400.

RAMSAY HEATLEY TRAQUAIR.

Drydenius Traquair, 399; orthotype D. INSIGNIS Traquair (fossil).

1607. TRAQUAIR (1890). *Observations on Some Fossil Fishes from the Lower Carboniferous Rocks of the Eskdale, Dumfriesshire*. Ann. Mag. Nat. Hist., 1890, 6 ser., VI, 491-494.

RAMSAY HEATLEY TRAQUAIR.

Benedenichthys Traquair, 492; orthotype PALÆONISCUS DENEENSIS Van Beneden (fossil). A substitute for BENEDENIUS Traquair, 1878, preoccupied.

Mesopoma Traquair, 493; logotype CANOBIUS PULCHELLUS Traquair (fossil).

1608. TRAQUAIR (1890). *On the Fossil Fishes Found at Achanarras Quarry, Caithness*. Ann. Mag. Nat. Hist., 1890, VI, ser. 6, 479-486.

RAMSAY HEATLEY TRAQUAIR.

Palæospondylus Traquair, 485; orthotype P. GUNNII Traquair (fossil).

1609. WHITEFIELD (1890). *Observations on a Fossil Fish from the Eocene Beds of Wyoming*. Bull. Amer. Mus. Nat. Hist., 1890, III, 117-120.

ROBERT PARR WHITEFIELD (1828-1910).

Protocatostomus Whitefield, 117; orthotype P. CONSTABELI Whitefield (fossil). A synonym of NOTOGONEUS Cope.

1610. WOODWARD (1890). *The Fossil Fishes of the Hawkesbury Series at Gosford*. Mem. Geol. Surv. New South Wales, Palæont., 1890, no. 4, 1-55.

ARTHUR SMITH WOODWARD.

Gosfordia Woodward, 4; orthotype G. TRUNCATA Woodw. (fossil).

Apateolepis Woodward, 12; orthotype A. AUSTRALIS Woodw. (fossil).

Pristisomus Woodward, 32; orthotype P. LATUS Woodw. (fossil).

1611. WOODWARD (1890). *On Some Upper Cretaceous Fishes of the Family Aspidorhynchidae*. Proc. Zool. Soc. London, 1890, 629-636.

ARTHUR SMITH WOODWARD.

Apateopholis Woodward, 634; orthotype RHINELLUS LANIATUS Davis (fossil).

1612. WOODWARD (1890). *A Synopsis of the Fossil Fishes from the English Lower Oölites*. Proc. Geol. Assoc., XI, 289-306.

ARTHUR SMITH WOODWARD.

Scaphodus Woodward, 301; orthotype S. HETEROMORPHUS Woodw. (fossil).

1613. ZIGNO (1890). *Nuove aggiunte all' ittiofauna dell' epoca eocena*. Mem. Instit. Veneto, 1890, XXIII, 9-33.

ACHILLE DE ZIGNO.

Aulorhamphus Zigno, 19; orthotype CALAMOSTOMA BOLCENSIS Steind. (fossil). Replaces CALAMOSTOMA Steind., preoccupied.

Histiocephalus Zigno, 29; orthotype H. BASSANI Zigno (fossil).

1891.

1614. ALCOCK (1891). *On the Deep-Sea Fishes Collected by the "Investigator" in 1890-91.* Ann. Mag. Nat. Hist., 1891, 6 ser., VIII, 16-34, 119-138.

ALFRED WILLIAM ALCOCK.

Malthopsis Alcock, 26; orthotype *M. LUTEUS* Alcock.

Halicmetus Alcock, 27; orthotype *H. RUBER* Alcock.

Lamprogrammus Alcock, 32; orthotype *L. NIGER* Alcock.

Bathyclupea Alcock, 130; orthotype *B. HOSKYNII* Alcock.

Dysommopsis Alcock, 137; orthotype *D. MUCIPARUS* Alcock.

1615. COMPTER (1891). *A Fossil Fish from the Muschelkalk of Jena.* Zeitsch. f. Naturw., LXIV.

G. COMPTER.

Dolichopterus Compter, 41; orthotype *D. VOLITANS* Compter (fossil).

1616. COPE (1891). *On Some New Fishes from South Dakota.* Amer. Naturalist, XXV.

EDWARD DRINKER COPE.

Gephyrura Cope, 654; orthotype *G. CONCENTRICA* Cope (fossil).

Proballostomus Cope, 655; orthotype *P. LONGULUS* Cope (fossil).

Oligoplarchus Cope, 656; orthotype *O. SQUAMIPINNIS* Cope (fossil).

1617. COPE (1891). *On the Characters of Some Paleozoic Fishes.* Proc. U. S. Nat. Mus., 1891, XIV, 447-463.

EDWARD DRINKER COPE.

Styptobasis Cope, 447; orthotype *S. KNIGHTIANA* Cope (fossil).

1618. EIGENMANN, R. S. (1891). *New California Fishes.* Amer. Naturalist, XXV.

ROSA SMITH EIGENMANN.

Perkinsia Rosa Smith Eigenmann, 153; orthotype *P. OTHONOPS* Eigenmann. Near *ETRUMEUS* Blkr.

1619. EIGENMANN & EIGENMANN (1891). *Additions to the Fauna of San Diego.* Proc. Calif. Acad. Sci. (2), III, 1-24.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Diaphus Eigenmann & Eigenmann, 4; orthotype *SCOPELUS ENGRAULIS* Gthr.

Tarletonbeania Eigenmann & Eigenmann, 6; orthotype *T. TENUA* Eigenmann & Eigenmann.

1620. FELIX (1891). (*Otomitla*.) Palæontographica, XXXVII.

JOHANNES PAUL FELIX (1859-).

Otomitla Felix, 189; orthotype *O. SPECIOSA* Felix (fossil).

1621. GILBERT (1891). *Descriptions of Apodal Fishes from the Tropical Pacific.* Proc. U. S. Nat. Mus., 1891, XIV, 347-354.

CHARLES HENRY GILBERT.

Xenomystax Gilbert, 348; orthotype *X. ATRARIUS* Gilbert.

Ilyophis Gilbert, 351; orthotype *I. BRUNNEUS* Gilbert.

1622. GILBERT (1891). *Descriptions of Thirty-four New Species of Fishes Collected in 1888 and 1889, Principally among the Santa Barbara Islands and in the Gulf of California.* Proc. U. S. Nat. Mus., 1891, XIV, 539-566.

CHARLES HENRY GILBERT.

Chriolepis Gilbert, 557; orthotype *C. MINUTILLUS* Gilbert.

1623. GILL (1891). *On Eleginus of Fischer, Otherwise Called Tilesia or Pleurogadus*. Proc. U. S. Nat. Mus., XIV.

THEODORE GILL.

Eleginops Gill, 305; orthotype *ELEGINUS MACLOVINUS* Cuv. & Val. A substitute for *ELEGINUS* Cuv. & Val., preoccupied by *ELEGINUS* Fischer, 1813.

1624. GILL (1891). *On the Genera Labrichthys and Pseudolabrus*. Proc. U. S. Nat. Mus., XIV.

THEODORE GILL.

Pictilabrus Gill, 403; orthotype *LABRUS LATICLAVIUS* Rich.

1625. HOLMBERG (1891). *Sobre algunos peces nuevos o poco conocidos de la Republica Argentina*. Rev. Argent., I, 1891, 180-193.

EDUARDO LADISLAO HOLMBERG.

Chalcinopelecus Holmberg, 190; orthotype, *C. ARGENTINUS* Holmberg. A synonym of *PSEUDOCORYNOPOMA* Perugia, of the same year.

1626. HOLT (1891). *Survey of Fishing Grounds, West Coast of Ireland. Preliminary Note on the Fish Obtained During the Cruise of the "Fingal," 1890*. Sci. Dublin Soc. (2), VII, 121-123.

ERNEST W. L. HOLT.

Nettophichthys Holt, 122; orthotype *N. RETROPINNATUS* Holt.

1627. KRAMBERGER (1891). *Palæichthyologzki prilozhi (Collectæ palæoichthyologicæ)*. Dis. II, Rad. Jugoslav. Akad., 1891, 106, 58-129.

DRAGUTIN GORJANOVIC KRAMBERGER.

Apostasis Kramberger, 104; orthotype *ACANUS GAUDRYI* Kramberger (fossil).

1628. LÜTKEN (1891). *Om en med stegophiler og trichomycterer beslægtet syd-amerikansk mallefisk (Acanthopoma annectens Ltk., n. g. et sp.)*. Vid. Meddel. Kjobenhavn, 1891, 53-60.

CHRISTIAN FREDERIK LÜTKEN.

Acanthopoma Lütken, 53; orthotype *A. ANNECTENS* Lütken.

1629. MEUNIER (1891). *Note rectificative sur un fossile corallier récemment decrit*. Comptes Rendus Acad. Sci. Paris, CXII, 1891, 1154-5.

STANISLAS MEUNIER.

Vaillantoonia Meunier, 1155; orthotype *CYCADOSPADIX VIREI* Meunier (fossil). Egg-case of a CHIMÆROID from Coralline Jurassic deposits at Verdun. It was first described in the Comptes Rendus 1891, p. 356, as a species of fossil CYCAD, but it was shown later by Dr. Vaillant to be a CHIMÆROID egg-case.

1630. PERUGIA (1891). *Appunti sopra alcuni pesci sud-americani conservati nel Museo Civico di Storia Naturale di Genova*. Ann. Mus. Civ. Storia Nat. Genova, 1891, 2 ser., X, 605-657 (April).

ALBERTO PERUGIA.

Pseudocorynopoma Perugia, 646; orthotype *P. DORIÆ* Perugia (April). Replaces *BERGIA* Steind. of July, 1891.

1631. SAUVAGE (1891). (*Poissons fossiles*). *Études des gîtes minéraux de la France. Bassin houiller et permien d'Autun et d'Épinac*. Fasc. III. 31 p.

HENRI ÉMILE SAUVAGE.

Ædua Sauvage, 16; orthotype *Æ. GAUDRYI* Sauvage (fossil).

Archæoniscus Sauvage, 19; orthotype *A. ROCHEI* Sauvage (fossil).

1632. SAUVAGE (1891). *Note sur quelques poissons du Lias supérieur de l'Yonne, XLV.*

HENRI ÉMILE SAUVAGE.

Parathrissops Sauvage, 37; orthotype *P. MILLOTI* Sauvage (fossil). A synonym of *EUTHYNOTUS*.

1633. STEINDACHNER (1891). *Ichthyologische Beiträge, XV.* S. B. Ak. Wiss. Wien, C.

FRANZ STEINDACHNER.

Bergia Steindachner, 173 (July 1891); orthotype *B. ALTIPINNIS* Steind. = *PSEUDOCORYNOPOMA DORIÆ* Perugia. A synonym of *PSEUDOCORYNOPOMA* Perugia. April, 1891. *BERGIA* is preoccupied in Insects (Scott, 1881).

1634. TELLER (1891). *Ueber den Schadel eines fossilen Dipnoers, Ceratodus sturii, n. sp. aus den Schichten den oberen Trias der Nordalpen.* Abh. Geol. Reichsanstalt, Wien, 1891, XV, pt. 3, 1-39.

FRIEDRICH JOSEPH TELLER (1852-1913).

Epiceratodus Teller, 37; orthotype *CERATODUS FORSTERI* Krefft (Australian species). It is not certain whether this living species from Australia is identical or not with the fish intended by the loosely written account of *NEOCERATODUS BLANCHARDI* Castelnau, 1876. *EPICERATODUS* is probably a synonym of *NEOCERATODUS*.

1635. VAILLANT (1891). *Note sur un nouveau genre de Siluroïdes (Diastatomycter) de Borneo.* Bull. Soc. Philom. Paris, 1891, VIII, ser. 3, 181-182.

LÉON LOUIS VAILLANT.

Diastatomycter Vaillant, 182; orthotype *D. CHAPERI* Vaillant. A synonym of *HEMISILURUS* Blkr.

1636. WALCOTT (1891). *Supposed Trenton Fossil Fish.* Amer. Geol., VIII, 178-180. (Editorial comment on Walcott's discoveries at Canyon City, Colo.)

Palæchimæra Walcott, 178; orthotype *P. PRISMA* Walcott (fossil). Name only; called *DICTYORHABDUS* in 1892.

1637. WOODWARD (1891). *The Devonian Fish-Fauna of Spitzbergen.* Ann. Mag. Nat. Hist., 1891, VI, ser. 8, 1-15.

ARTHUR SMITH WOODWARD.

Porolepis Woodward, 8; orthotype *GYROPTYCHIUS POSNANIENSIS* Kade (fossil).

Asteroplax Woodward, 11; orthotype *A. SCABRA* Woodw. (fossil).

1638. WOODWARD (1891). *Catalogue of the Fossil Fishes in the British Museum Nat. Hist., II.*

ARTHUR SMITH WOODWARD.

Palæomylus Woodw., 39; logotype *RHYNCHODUS FRANGENS* Newberry (fossil).

Elasmodectes (Newton) Woodward, 88; orthotype *ELASMOGNATHUS WILLETII* Newton. A substitute for *ELASMOGNATHUS* Newton, preoccupied.

Apateacanthus Woodward, 118; orthotype *PRISTACANTHUS VETUSTUS* Clarke.

Glyptognathus Woodward, 390; orthotype *GLYPTOPOMUS MINOR* Ag.

Uropteryx (Agassiz) Woodward, 541; orthotype *PLATYSOMUS STRIATUS* Ag. = *STROMATEUS GIBBOSUS* Blainv. (fossil). Name only, noted in synonymy from Agassiz ms. A synonym of *STORTES* Gistel, which replaces *PLATYSOMUS* Ag., preoccupied.

1892.

1639. ALCOCK (1892). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator," Lieut. G. S. Gunn, R. N., Commanding. Series II, no. 5. On the Bathybial Fishes Collected During the Season of 1891-2.* Ann. Mag. Nat. Hist., 1892 (6), IX, 345-365.

ALFRED WILLIAM ALCOCK.

Hephthocara Alcock, 349; orthotype *H. SIMUM* Alcock.

1640. BELLOTTI (1892). *Un nuovo Siluroide giapponese.* Atti. Soc. Ital., XXXIV, 99-101.

CRISTOFORO BELLOTTI.

Neobagrus Bellotti, 100; orthotype *N. FUSCUS* Bellotti = *LIOBAGRUS REINI* Hilgendorf. A synonym of *LIOBAGRUS* Hilgendorf.

1641. BOULENGER (1892). *On Some New or Little Known Fishes Obtained by Dr. J. W. Evans and Mr. Spencer Moore, during Their Recent Expedition to the Province of Matto Grosso, Brazil.* Ann. Mag. Nat. Hist., (6), X, 1892, 9-12.

GEORGE ALBERT BOULENGER.

Brachychalcinus Boulenger, 11; orthotype *B. RETROSPINA* Boulenger.

1642. BOULENGER (1892). *Description of a New Blennioid Fish from Kamtschatka.* Proc. Zool. Soc. London, 1892, 583-585.

GEORGE ALBERT BOULENGER.

Blenniophidium Boulenger, 583; orthotype *B. PETROPAULI* Boulenger = *OPHIDIUM OCELLATUM* Tilesius. A synonym of *OPISTHOCENTRUS* Kner (1868).

1643. CLAYPOLE (1892). *A New Gigantic Placoderm from Ohio.* Am. Geol., X, 1892, 1-4.

EDWARD WALLER CLAYPOLE.

Gorgonichthys Claypole, 2; orthotype *G. CLARKI* Claypole. A synonym of *DINICHTHYS* Newberry.

1644. EIGENMANN (1892). *The Percopsidæ of the Pacific Slope.* Science, XX, 1892, 233-234.

CARL H. EIGENMANN.

Columbia Eigenmann, 234; orthotype *C. TRANSMONTANA* Eigenmann.

1645. GARMAN (1892). *The Discoboli. Cyclopteridæ, Liparopsidæ, and Liparididæ.* Mem. Mus., C. Z., XIV, no. 2, 1892, 1-96.

SAMUEL GARMAN.

Cyclopteroides Garman, 37; orthotype *C. GYRINOPS* Garman.

Liparops Garman, 42; orthotype *CYCLOPTERUS STELLERI* Pallas.

1646-1647. HERZENSTEIN (1892). *Ichthyologische Bemerkungen aus dem Zoologischen Museum der Kaiserlichen Akademie der Wissenschaften.* Mel. Biol., XIII, 1892, 219-235.

SALOMON MARKOVICH HERZENSTEIN.

- Argyrocottus** Herzenstein, 219; orthotype *A. ZANDERI* Herzenstein.
- Gymnodiptychus** Herzenstein, 225; orthotype *DIPTYCHUS DYBOWSKII* Kessler.
- Acanthogobio** Herzenstein, 228; orthotype *A. GUENTHERI* Herzenstein. A synonym of *HEMIBARBUS* Blkr.
- Pungtungia** Herzenstein, 231; orthotype *P. HERZI* Herzenstein.
1648. JORDAN & DAVIS (1892). *A Preliminary Review of the Apodal Fishes or Eels Inhabiting the Waters of America and Europe*. Rept. U. S. Fish Comm., 1888, 581-677 (1892).
 DAVID STARR JORDAN; BRADLEY MOORE DAVIS (1871-).
- Rabula** Jordan & Davis, 590; orthotype *MURÆNA AQUÆ-DULCIS* Cope.
- Bascanichthys** Jordan & Davis, 621; orthotype *CÆCULA BASCANIUM* Jordan.
- Quassiremus** Jordan & Davis, 622; orthotype *OPHICHTHYS EVIONTHAS* Jordan & Bollman.
- Scytalichthys** Jordan & Davis, 635; orthotype *OPHICHTHYS MIURUS* J. & G.
- Ahlia** Jordan & Davis, 639; orthotype *MYROPHIS EGMONTIS* Jordan.
- Venefica** Jordan & Davis, 651; orthotype *NETTASTOMA PROCERUM* G. & B.
- Gordiichthys** Jordan & Davis, 644; orthotype *G. IRRETITUS* Jordan & Davis.
- Avocettina** Jordan & Davis, 655; orthotype *NEMICHTHYS INFANS* Gthr.
1649. LÜTKEN (1892). *Spolia Atlantica. Scopelini Musei Zoologici Universitatis Hauniensis. Bidrag til Kundskab om det aabne Havs Laxesild eller Scopeliner*. Vid. Selsk. Skr. (6), VII, 1892, 223-297.
 CHRISTIAN FREDERIK LÜTKEN.
- Rhinoscopelus** Lütken, 242; orthotype *SCOPELUS COCCOI* Cocco.
- Pseudoscopelus** Lütken, 285; orthotype *P. SCRIPTUS* Lütken.
1650. MILLER (1892). *North American Geology and Palæontology*. (First Appendix, 665-768.)
 SAMUEL A. MILLER (1836-1897).
- Eczematolepis** Miller, 715; orthotype *ACANTHOLEPIS PUSTULOSUS* Newberry (fossil). Substitute for *ACANTHOLEPIS* Newberry, preoccupied.
- Gamphacanthus** Miller, 715; orthotype *HETERACANTHUS POLITUS* Newberry (fossil). Substitute for *HETERACANTHUS* Newberry, preoccupied.
- Haplolepis** Miller, 715; orthotype *MECOLEPIS CORRUGATA* Newberry (fossil). Substitute for *MECOLEPIS* and *EURYLEPIS* Newberry, both preoccupied.
- Millerichthys** Miller, 716; orthotype *PTERICHTHYS MILLERI* Ag. (fossil). A synonym of *PTERICHTHYODES* Blkr., being also a substitute for *PTERICHTHYS* Ag., 1843, preoccupied.
- Lispognathus** Miller, 716; orthotype *LIIGNATHUS SPATULATUS* Newberry (fossil). Substitute for *LIIGNATHUS* Newberry, preoccupied by *LEIIGNATHUS* Lac., 1803.
- Icanodus** Miller, 716; orthotype *TOMODUS CONVEXUS* St. John & Worthen. Substitute for *TOMODUS* Davis, preoccupied.
- Æstophorus** Miller, 716; orthotype *SPHENOPHORUS LILLEYI* Newberry (fossil). Substitute for *SPHENOPHORUS* Newberry, preoccupied.
- Tegeolepis** Miller, 717; orthotype *ACTINOPHORUS CLARKII* Newberry (fossil). Substitute for *ACTINOPHORUS* Newberry, 1888, preoccupied.
- Ponerichthys** Miller, 717; orthotype *DINICHTHYS TERRELLI* Newberry (fossil). A synonym of *DINICHTHYS* Newberry.
- Xenodus** Miller, 718; orthotype *GONIODUS HERTZERI* Newberry.

1651. OGILBY (1892). *On Some Undescribed Reptiles and Fishes from Australia*. Rec. Austral. Mus. II, 1892, 23–26.

JAMES DOUGLAS OGILBY.

Hyperlophus Ogilby, 24; orthotype *CLUPEA SPRATELLOIDES* Ogilby.

1652. PERUGIA (1892). *Descrizione di due nuove specie di pesci raccolti in Sarawak dai Sign. G. Doria ed O. Beccari*. Ann. Mus. Genov. (2), X, 1892, 1009–1010.

ALBERTO PERUGIA.

Eucirrichthys Perugia, 1009; orthotype *E. DORLÆ* Perugia.

1653. PERUGIA (1892). *Intorno ad alcuni pesci raccolti al Congo dal Capitano Giacomo Bove*. Ann. Mus. Genova (2), X, 1892, 967–977.

ALBERTO PERUGIA.

Peltura Perugia, 972; orthotype *P. BOVEI* Perugia. Name regarded as preoccupied by *PELTOURA* Milne-Edwards, 1840, replaced by *PHRACTURA* Boulenger.

1654. POHLIG (1892). *Altpermische Saurierhäkiten, Fische und Medusen der Gegend von Friedrichroda*. 1 Thür. Leuckart Festschrift, 1892, 59–64.

HANS POHLIG.

Lepidopterus Pohlig, 63; orthotype *L. CRASSUS* Pohlig (fossil).

1655. REIS (1892). *Zur Osteologie und Systematik der Belonorhynchiden und Tetragonolepiden*. Geogn. JB, IV, 1892, 143–166.

OTTO M. REIS

Saurorhynchus Reis, 145; orthotype *BELONOSTOMUS ACTUS* Ag. (fossil).

1656. TRAQUAIR (1892). *Notes on the Devonian Fishes of Campbelltown and Scaumenac Bay in Canada*. No. 2. Geol. Mag. (3) X.

RAMSAY HEATLEY TRAQUAIR.

Doliodus Traquair, 145; orthotype *DIPLODUS PROBLEMATICUS* Woodw. (fossil). Not *DOLIODON* Grd.

1657. VAILLANT (1892). *Sur le genre Megapleuron*. Comptes Rendus Acad. Sci. Paris, CXIV.

LÉON VAILLANT.

Megapleuron Vaillant, 1083; orthotype *CERATODUS ROCHEI* Gaudry (fossil).

1658. WALCOTT (1892). *Preliminary Notes on the Discovery of a Vertebrate Fauna in Silurian (Ordovician) Strata*. Bull. Geol. Soc. Amer. III, 153–172.

CHARLES DOOLITTLE WALCOTT (1850–).

Dictyorhabdus Walcott, 165; orthotype *D. PRISCUS* Walcott; called, without description, *PALÆCHIMÆRA* in 1891.

Astraspis Walcott, 166; orthotype *A. DESIDERATA* Walcott (fossil). An OSTRACOPHORE, supposed to be allied to *THYESTES* or, according to Eastman, to *PSAMMOSTEUS*; the earliest recorded vertebrate fossil, from Trenton rocks, Canyon City, Colo.

Eriptychius Walcott, 167; orthotype *E. AMERICANUS* Walcott.

1659. WOODWARD (1892). *Further Contributions to Knowledge of the Devonian Fish-Fauna of Canada*. Geol. Mag. (3) IX, 1892, 481–485.

ARTHUR WILLIAM WOODWARD.

Protodus Woodward, 1; orthotype *P. JEXI* (Traquair) Woodw. (fossil).

1660. WOODWARD (1892). *On Some Teeth of New Chimæroid Fishes from the Oxford and Kimmeridge Clays of England.* Ann. Mag. Nat. Hist. (6) X, 1892, 13-16.

ARTHUR SMITH WOODWARD.

- Pachymylus* Woodward, 14; orthotype *P. LEEDSI* Woodw. (fossil).
Brachymylus Woodward, 14; orthotype *B. ALTIDENS* Woodw. (fossil).

1893.

1661. ALCOCK (1893). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator," Commander C. F. Oldham, R. N., Commanding. Series II, No. 9, An Account of the Deep Sea Collection Made During the Season of 1892-93.* Journ. Asiat. Soc. Bengal, LXII, 1893, 177-184.

ALFRED WILLIAM ALCOCK.

- Bathypercis* Alcock, 178; orthotype *B. PLATYRHYNCHUS* Alcock.

1662. BEAN (1893). *Description of a New Blennioid Fish from California.* Proc. U. S. Nat. Mus. XVI.

TARLETON HOFFMAN BEAN.

- Plagiogrammus* Bean, 699; orthotype *P. HOPKINSI* Bean.

1663. CLAYPOLE (1893). *The Cladodont Sharks of the Cleveland Shale.* Amer. Geol. XI, 325-331.

EDMUND WALLER CLAYPOLE.

- Monocladodus* Claypole, 329; orthotype *M. CLARKI* Claypole (fossil).

1664. COPE (1893). *On Symmorium, and the Position of the Cladodont Sharks.* Amer. Naturalist, X, VII, 1893, 999-1001.

EDWARD DRINKER COPE.

- Symmorium* Cope, 999; orthotype *S. RENIFORME* Cope (fossil).

1665. COPE (1893). *A New Extinct Species of Cyprinidæ.* P. Ac. Phila., 1893, 19-20.

EDWARD DRINKER COPE.

- Aphelichthys* Cope, 19; orthotype *A. LINDAHLII* Cope (fossil).

1666. EIGENMANN & BEESON (1893). *Preliminary Note on the Relationship of the Species Usually United Under the Generic Name Sebastodes.* Amer. Natural. XXVII, 1893, 668-671.

CARL H. EIGENMANN; CHARLES H. BEESON.

- Primospina* Eigenmann & Beeson, 669; orthotype *SEBASTODES MYSTINUS* J. & G.
Acutomentum Eigenmann & Beeson, 669; orthotype *SEBASTODES OVALIS* Ayres.
Pteropodus Eigenmann & Beeson, 670; orthotype *SEBASTODES MALIGER* J. & G.
Auctospina Eigenmann & Beeson, 670; orthotype *SEBASTES AURICULATUS* Grd.

1667. FRITSCH (1893). *Fauna der Gaskohle und der Kalkstein der Permformation Böhmens.* III. Heft. 2, 1893, 49-80.

ANTON JAN FRITSCH.

- Traquairia* Fritsch, 50; orthotype *ACANTHODES PYGMÆUS* Fritsch (fossil).
Protacanthus Fritsch, 55; orthotype *P. PINNATUS* Fritsch (fossil)
Trissolepis Fritsch, 76; orthotype *SPHÆROLEPIS KOUNOVIENSIS* Fritsch (fossil).

1668. FRITSCH (1893). (*Electrolepis, etc.*) Archiv. Naturw. Landeselwrcnf. Böhmen, IX.

ANTON JAN FRITSCH.

Dipnolepis Fritsch, 66; orthotype D. JAHNI Fritsch (fossil). Dermal scutes similar to those of ENCHODUS.

Electrolepis Fritsch, 72; orthotype E. HORRIDA Fritsch (fossil). Berycoid scales.

Spinacites Fritsch, 72; orthotype S. RADIATUS Fritsch (fossil). Berycoid fin spine.

1669. GILBERT (1893). *Report on the Fishes of the Death Valley Expedition, Collected in Southern California and Nevada in 1891, with Descriptions of New Species.* North Amer. Fauna, VII, 1893, 229-234.

CHARLES HENRY GILBERT.

Empetrichthys Gilbert, 233; orthotype E. MERRIAMI Gilbert.

1670. GILL (1893). *A Comparison of Antipodal Faunas.* Mem. Ac. Washington, VI, 1893, 91-124.

THEODORE GILL.

Promethichthys Gill, 123; orthotype GEMPYLUS PROMETHEUS Cuv. & Val. Substitute for PROMETHEUS Lowe, preoccupied.

Pagrosomus Gill, 97, 123; orthotype CHRYSOPHRYS UNICOLOR Q. & G. = SPARUS AURATUS Forster. Called SPAROSOMUS, on pages 116 and 123, by a slip in proof-reading.

Sparosomus Gill, 123; orthotype CHRYSOPHRYS UNICOLOR Q. & G. = SPARUS AURATUS Forster. Lapsus for PAGROSOMUS Gill, not SPARISOMA Sw.

Capromimus Gill, 123; orthotype PLATYSTETHUS ABBREVIATUS Hector.

Rhombocyttus Gill, 123; orthotype CYTTUS TRAVERSI Hutton.

Bathystethus Gill, 123; orthotype SCIÆNA CULTRATA Forster. Substitute for PLATYSTETHUS Gthr., preoccupied.

Evistius Gill, 123; orthotype PLATYSTETHUS HUTTONI Gthr.

Ericentrus Gill, 123; orthotype CLINUS RUBRUS Hutton.

Notoclinus Gill, 124; orthotype BLENNIUS FENESTRATUS Forster.

Cologrammus Gill, 124; orthotype CLINUS FLAVESCENS Hutton.

Caulopsetta Gill, 124; orthotype PLEURONECTES SCAPHUS Forster.

1671. GILL (1893). (*Erilepis.*) Science XXII.

THEODORE GILL.

Erilepis Gill, 52; orthotype MYRIOLEPIS ZONIFER Lockington. A substitute for MYRIOLEPIS Lockington, preoccupied in fossil fishes (MYRIOLEPIS Egerton).

1672. GÜNTHER (1893). *Second Report on the Reptiles, Batrachians, and Fishes Transmitted by Mr. H. H. Johnston from British Central Africa.* Proc. Zool. Soc. London, 1893, 616-628.

ALBERT GÜNTHER.

Engraulicypris Günther, 626; orthotype E. PINGUIS Gthr.

1673. HÆCKEL (1893). *Zur Phylogenie der Australischen Fauna, in Richard Semon's Forschungsreisen in Australien und dem Malayischen Archipel.* Jena. ERNST (HEINRICH PHILIPP AUGUST) HÆCKEL (1834-1918).

Paramphioxus Hæckel; orthotype EPIGONICHTHYS CULTELLUS Peters. A synonym of EPIGONICHTHYS Peters.

1674. HOLMBERG (1893). *Dos peces Argentinos.* Revista del Jardin Zoologique de Buenos Aires, I.

EDUARDO LADISLAO HOLMBERG.

Aristommata Holmberg, 96, 354; orthotype *A. INEXPECTATE* Holmberg. Said to be a synonym of *HYPOPTOPOMA* Gthr.

1675. JORDAN & FESLER (1893). *A Review of the Sparoid Fishes of America and Europe*. Rep. U. S. Fish Comm. for 1889-91, 421-554 (1893).

DAVID STARR JORDAN; BERT FESLER (1868-).

Raizero Jordan & Fesler, 438; orthotype *MESOPRION ARATUS* Gthr.

Rabirubia Jordan & Fesler, 438; orthotype *MESOPRION INERMIS* Peters.

Isaciella Jordan & Fesler, 500; orthotype *PRISTIPOMA BREVIPINNE* Steind.

Isacia Jordan & Fesler, 501; orthotype *PRISTIPOMA CONCEPTIONE* Cuv. & Val.

Medialuna Jordan & Fesler, 536; orthotype *SCORPIS CALIFORNIENSIS* Steind.

Sectator Jordan & Fesler, 536; orthotype *PIMELEPTERUS OCYURUS* Jordan.

1676. MICHAEL (1893). *Ueber eine Neue Lepidosteiden-Gattung aus dem oberen Keuper Oberschlesiens*. Zeits. Deutsch. Ges., XLIV, 710-729.

RICHARD MICHAEL (1869-).

Prolepidotus Michael, 71; orthotype *P. GALLINEKI* Michael (fossil). A synonym of *LEPIDOTES* Ag.

1677. PERUGIA (1893). *Di alcuni pesci raccolti in Sumatra dal Dott. Elio Modigliani*. Ann. Mus. Stor. Nat. Geneva, XIII.

ALBERT PERUGIA.

Modigliania Perugia, 246; orthotype *M. PAPILLOSA* Perugia.

1678. PFEFFER (1893). *Ostafrikanische Fische gesammelt von Herrn Dr. F. Stuhlmann in Jahre 1888 und 1889*. Jahrb. Hamburg Anst., X, 1893, 131-177.

GEORG JOHANN PFEFFER (1854-).

Salarigobius Pfeffer, 141; orthotype *S. STUHLMANNI* Pfeffer.

1679. ROHON (1893). *Die Obersilurischen Fische von Oesel. II. Theil. Selachii, Dipnoi, Ganoidei, Pteraspidae, and Cephalaspidae*. Mem. Ac. St. Petersb., XLI, 1893, No. 5, 1-124.

JOSEF VICTOR ROHON.

Ancistrodus Rohon, 51; orthotype *A. GRACILIS* Rohon (fossil). Name regarded as preoccupied by *ANCISTRODON*, *AGKISTRODON*, etc.; replaced by *GRYPODON* Hay (1899).

Rhabdiodus Rohon, 53; orthotype *R. PARVIDENS* Rohon (fossil).

Tylodus Rohon, 57; logotype *T. DELTOIDES* Rohon (fossil).

Chelomodus Rohon, 60; orthotype *C. DIGITIFERUS* Rohon.

Palæosteus Rohon, 63; orthotype *P. SCHMIDTI* Rohon (fossil).

Gyropeltus Rohon, 67; orthotype *G. LAHUSENI* Rohon (fossil).

1680. SAUVAGE (1893). *Recherches sur les poissons du terrain permien d'Autun. Études des gîtes minéraux de la France, 1893*.

HENRI ÉMILE SAUVAGE.

Prosauropsis Sauvage, 4; orthotype *PACHYCORMUS ELONGATUS* Sauvage (fossil).

1681. SCHMIDT (1893). *Ueber neue silurische Fischfunde auf Oesel*. Jahrb. Mineral., 1893, I, 99-101.

FRIEDRICH SCHMIDT (1832-1908).

Tolypaspis Schmidt, 100; orthotype *TOLYPELEPIS UNDULATUS* Pander; substitute for *TOLYPELEPIS* Pander, preoccupied.

1682. SMITT (1893). *A History of Scandinavian Fishes* (by B. Fries, C. U. Ekström, and C. Sundevall). Edited by
FREDRIK ADAM SMITT (1839–1904).
Molua Smitt, 526; orthotype *GADUS MOLVA* L. A variant of *MOLVA* Fleming, reverting to the original spelling of *Rondelet*.
1683. TRAQUAIR (1893). *Notes on the Devonian Fishes of Campbelltown and Scaumenac Bay in Canada*, No. 3. *Geol. Mag.* (3). X, 1893, 262–267.
RAMSAY HEATLEY TRAQUAIR.
Scaumenacia Traquair, 262; orthotype *PHANEROPLEURON CURTUM* Whiteaves (fossil).
1684. VAILLANT (1893). *Sur une collection de poissons recueillie par M. Chapér à Borneo*. *Bull. Soc. Zool. France*, XVIII, 1893, 55–62.
LÉON VAILLANT.
Oxybarbus Vaillant, 57; orthotype *BARBUS HETERONEMA* Blkr.
1685. VAILLANT (1893). *Sur un poisson provenant du voyage de M. Bonvalotet du Prince Henri d'Orleans*. *Bull. Soc. Philom. Paris* (8), 1893, V, 197–204.
LÉON VAILLANT.
Anopleutropius Vaillant, 198; orthotype *A. HENRICI* Vaillant.
1686. VAILLANT (1893). *Sur un nouveau genre de poissons voisin de Fierasfer*. *Comptes Rendus Acad. Paris*, CXVII.
LÉON VAILLANT.
Rhizoiketicus Vaillant, 745; orthotype *R. CAROLINENSIS* Vaillant, from the Caroline Islands.
1687. WOODWARD (1893). *Palæichthyological Notes*. *Ann. Mag. Nat. Hist.* (6), XI, 1893, 281–287.
ARTHUR SMITH WOODWARD.
Ganolepis Woodward, 286; orthotype *G. GRACILIS* Woodw. (fossil).

 1894.

1688. ALCOCK (1894). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator." Series II, no. 11. An Account of a Recent Collection of Bathybial Fishes from the Bay of Bengal and from the Laccadive Sea*. *Journ. Asiat. Soc. Bengal*, LXIII, 1894, 115–137.
ALFRED WILLIAM ALCOCK.
Chascanopsetta Alcock, 128; orthotype *C. LUGUBRIS* Alcock.
1689. BEAN, B. A. (1894). *Description of Two New Flounders, *Gastropsetta frontalis*, and *Cyclopsetta chittendeni**. ("Albatross" Collections.) *Proc. U. S. Nat. Mus.*, XVII.
BARTON APPLER BEAN (1860–).
Gastropsetta Bean, 633; orthotype *G. FRONTALIS* Bean.
Cyclopsetta Bean, 634; orthotype *C. CHITTENDENI* Bean.
1690. BOULENGER (1894). *Descriptions of New Fresh Water Fishes from Borneo*. *Ann. Mag. Nat. Hist.* (6), XIII, 1894, 245–251.
GEORGE ALBERT BOULENGER.

Nematabramis Boulenger, 249; orthotype *N. EVERETTI* Boulenger.

1691. COPE (1894). *On the Fishes Obtained by the Naturalist Expedition in Rio Grande do Sul*. Proc. Amer. Phil. Soc., XXXIII, 1894, 84-108.

EDWARD DRINKER COPE.

Osteogaster Cope, 102; orthotype *CORYDORAS EQUES* Steind.

1692. COPE (1894). *On Three New Genera of Characinidæ*. Amer. Naturalist, XLVIII, 1894, 67.

EDWARD DRINKER COPE.

Diapoma Cope, 67; orthotype *D. SPECULIFERUM* Cope.

Chorimycteris Cope, 67; orthotype *C. TENUIS* Cope.

Asiphonichthys Cope, 67; orthotype *A. STENOPTERUS* Cope.

1693. COPE (1894). *New and Little Known Palæozoic and Mesozoic Fishes*. Journ. Ac. Nat. Sci. Phila., IX.

EDWARD DRINKER COPE.

Macrepistius Cope, 441; orthotype *M. ARENATUS* Cope (fossil).

1694. CLAYPOLE (1894). *On a New Placoderm, Brontichthys clarki, from the Cleveland Shale*. Amer. Geol., XIV, 1894, 379-80.

EDWARD WALLER CLAYPOLE (1835-1901).

Brontichthys Claypole, 379; orthotype *B. CLARKI* Claypole (fossil).

1695. EIGENMANN (1894). *Notes on Some South American Fishes*. Ann. N. York Ac., VII, 1894, 625-627.

CARL H. EIGENMANN.

Cryptops Eigenmann, 626; orthotype *STERNOPYGUS HUMBOLDTI* Steind. Name preoccupied; replaced by *EIGENMANNIA* J. & E., 1896.

1696. EIGENMANN & BRAY (1894). *A Revision of the American Cichlidæ*. Ann. N. York Acad., VII, 1894, 607-624.

CARL H. EIGENMANN; WILLIAM L. BRAY.

Retroculus Eigenmann & Bray, 614; orthotype *R. BOULENGERI* Eigenmann & Bray.

Æquidens Eigenmann & Bray, 616; orthotype *HEROS TETRAMERUS* Heckel.

1697. FRITSCH (1894). *Fauna der Gäskohle und der Kalksteine der Permformation Böhmens, III, e, Palæoniscidæ, I*. Prag., 1894, 81-104.

ANTON JAN FRITSCH.

Pyritocephalus Fritsch, 86; orthotype *PALÆONISCUS SCULPTUS* Fritsch (fossil).

Sceleptophorus Fritsch, 88; orthotype *S. BISERIALIS* Fritsch (fossil).

1697A. GILL (1894). *An Australasian Subfamily of Fresh-Water Atherinoid Fishes*. Am. Nat. XXVIII, 708-709.

THEODORE GILL.

Rhombatractus Gill, 709; orthotype *ARISTEUS FRITZROYENSIS* Castelnau. Substitute for *ARISTEUS* Castelnau, preoccupied; a synonym of *MELANOTÆNIA* Gill.

1698. GOODE & BEAN (1894). *On Harriotta, a New Type of Chimæroid Fish from the Deeper Waters of the Northwestern Atlantic*. Proc. U. S. Nat. Mus., 1894, XVII, 471-473.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Harriotta Goode & Bean, 471; orthotype *H. RALEIGHANA* G. & B.

1699. GOODE & BEAN (1894). *A Revision of the Order Heteromi, Deep-Sea Fishes, with a Description of the New Generic Types Macdonaldia and Lipogenys*. Proc. U. S. Nat. Mus., XVII, 1894, 455-470.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

- Cetomimus** Goode & Bean, 453; orthotype *C. GILLII* G. & B.
Rondeletia Goode & Bean, 454; orthotype *R. BICOLOR* G. & B.
Gigliolia Goode & Bean, 465; orthotype *G. MOSELEYI* G. & B.
Macdonaldia Goode & Bean, 467; orthotype *NOTACANTHUS ROSTRATUS* Collett.
Lipogenys Goode & Bean, 469; orthotype *L. GILLII* G. & B.

1700. HILGENDORF (1894). *Neue Characinidengattung, Petersius, aus dem Kingani-Flusse in Deutsch-Ostafrika*. Sitzber. Ges. Naturf. Berlin, 1894, 172-173.

FRANZ MARTIN HILGENDORF.

- Petersius** Hilgendorf, 172; orthotype *P. CONSERIALIS* Hilgendorf.

1701. JAEKEL (1894). *Die eocänen Selachier vom Monte Bolca. Ein Beitrag zur Morphogenie der Wirbeltiere*. Berlin, 1894.

OTTO (MAX JOHANNES) JAEKEL.

- Hemiptychodus** Jaekel, 137; orthotype *PTYCHODUS MORTONI* Mantell.
Promyliobatis Jaekel, 152; orthotype *MYLIOBATIS GAZOLÆ* Zigno (fossil).
Pseudogaleus Jaekel, 170; orthotype *P. VOLTAI* Jaekel (fossil).

1702. LANDOIS (1894). *Die Familie Megistopodus, Riesenbauchflosser*. N. Jahrb. Min., 1894, II, 228-235.

HERMANN LANDOIS (1835-).

- Megistopus** Landois, 228; orthotype *MEGAPUS GUESTFALICUS* Schlüter (fossil).
 Substitute for *MEGAPUS* Schlüter, 1868, preoccupied; a synonym of *CHIROTHRIX* Pictet & Humbert.

- 1702A. OGILBY (1894). *Description of Five New Species from the Australasian Region*. Proc. Linn. Soc. N. S. W., IX, June 27, 1894.

JAMES DOUGLAS OGILBY.

- Scleropteryx** (De Vis) Ogilby, 372; orthotype *S. BICOLOR* De Vis (MS.), *OPHIOCLINUS DEVISI* Ogilby. Name only, noted in synonymy by Ogilby; perhaps a synonym of *OPHIOCLINUS*.

1703. PERUGIA (1894). *Viaggio di Lamberto Loria nella Papuasias orientale. Pesci d'acqua dolce*. Ann. Mus. Genova (2), XIV, 1894, 546-553.

ALBERTO PERUGIA.

- Lambertia** Perugia, 550; orthotype *L. ATRA* Perugia.

1704. SAUVAGE (1894). (*Poissons fossiles*.) Bull. Sci. Yonne, XLVIII.

HENRI ÉMILE SAUVAGE.

- Protosauropsis** Sauvage, 4; orthotype *PACHYCORMUS ELONGATUS* Sauvage (fossil).
 Written *PROSAUROPSIS* by Woodward.

1705. STEINDACHNER (1894). *Die Fische Liberias*. Notes Leyden Mus., XVI, 1894, 1-96.

FRANZ STEINDACHNER.

- Pelmatochromis** Steindachner, 40; orthotype *PARATILAPIA BUTTIKOFERI* Steind.
Neolebias Steindachner, 78; orthotype *N. UNIFASCIATUS* Steind.

1706. STORMS (1894). *Troisième note sur les poissons du terrain Rupélien*. Mém. Soc. Belge. Geol., VIII, 1894, 67-82.

RAYMOND STORMS.

Amylodon Storms, 71; orthotype *A. DELHEIDI* Storms (fossil).

1707. TRAQUAIR (1894). *Notes on Paleozoic Fishes*. Ann. Mag. Nat. Hist. (6), XIV, 1894, 368-374.

RAMSAY HEATLEY TRAQUAIR.

Euphyacanthus Traquair, 371; orthotype *E. SEMISTRIATUS* Traquair (fossil).

1708. VAILLANT (1894). *Sur une collection de poissons recueillie en Basse-Californie et dans le Golf par M. Léon Diguët*. Bull. Soc. Philom. (8), VI, 1894, 69-75.

LÉON VAILLANT.

Neomugil Vaillant, 73; orthotype *N. DIGUETI* Vaillant.

Atopoclinus Vaillant, 73; orthotype *A. RINGENS* Vaillant.

1895.

1709. BERG (1895). *Enumeracion sistematica y sinonimica de los Peces de las Costas Argentina y Uruguay*. An. Mus. Buenos Aires, IV, 1-120.

CARLOS BERG.

Parona Berg, 39; orthotype *PAROPSIS SIGNATA* Jenyns. Substitute for *PAROPSIS* Jenyns, 1842, preoccupied.

Sagenichthys Berg, 52; orthotype *LONCHURUS ANCYLODON* Bl. & Schn. Substitute for *ANCYLODON* Cuv., preoccupied, but *MACRODON* Schinz, 1817, is a still earlier substitute name.

Polyclemus Berg, 54; orthotype *POLYCIRRHUS DUMERILI* Bocourt. Substitute for *POLYCIRRHUS* Bocourt, preoccupied.

Phricus Berg, 65; orthotype *APHRITIS URVILLI* Cuv. Substitute for *APHRITIS* Cuv., preoccupied in DIPTERA (Latreille, 1804).

Thalassothia Berg, 67; orthotype *THALASSOPHYNE MONTEVIDENSIS* Berg.

1710. BOULENGER (1895). *Viaggio del dottor Alfredo Borelli nella Repubblica Argentina e nel Paraguay*. XII. Poissons. Boll. Mus. Torino, X, 1895, no. 196.

GEORGE ALBERT BOULENGER.

Nanognathus Boulenger, 3; orthotype *N. BORELLII* Boulenger.

1711. BOULENGER (1895). *Catalogue of the Fishes in the British Museum. Second Edition, Catalogue of the Perciform Fishes*. Vol. I, 1895.

GEORGE ALBERT BOULENGER.

Pseudalphestes Boulenger, 139; orthotype *PLECTROPOMA PICTUM* Tschudi.

Pomodon Boulenger, 144; orthotype *PLECTROPOMA MACROPHTHALMUM* Tschudi. An unwarranted substitute for the tasteless and inappropriate name *HEUILUTJANUS* Blkr.

Dinoperca Boulenger, 153; orthotype *HAPALOGENYS PETERSII* Day.

Chelidoperca Boulenger, 304; orthotype *CENTROPRISTIS HIRUNDINACEUS* Cuv. & Val.

1712. GARMAN (1895). *The Cyprinodonts*. Mem. Mus. Harvard, XIX, no. 1, 1-179.

SAMUEL GARMAN.

Glaridodon Garman, 40; orthotype *G. LATIDENS* Garman. Name preoccupied; later replaced by *GLARIDICHTHYS* Garman.

Cnestrodon Garman, 43; orthotype *PÆCILIA DECEMMACULATUS* Jenyns.

Pterolebias Garman, 141; orthotype *P. LONGIPINNIS* Garman.

1713. GILBERT (1895). *The Ichthyological Collections of the Steamer "Albatross" During the Years 1890 and 1891.* Rept. U. S. Fish Comm. for 1893, IX (1895).

CHARLES HENRY GILBERT.

Gyrinichthys Gilbert, 444; orthotype *G. MINYTREMUS* Gilbert.

Rhinoliparis Gilbert, 445; orthotype *R. BARBULIFER* Gilbert.

Lyconectes Gilbert, 446; orthotype *L. ALEUTICUS* Gilbert.

Bathypasma Gilbert, 448; orthotype *B. OVIGERUM* Gilbert.

Derepodichthys Gilbert, 456; orthotype *D. ALEPIDOTUS* Gilbert.

Lyconema Gilbert, 471; orthotype *L. BARBATUM* Gilbert.

1714. GILL (1895). *The Differential Characters of Characinoid and Erythrinoid Fishes.* Proc. U. S. Nat. Mus., 1895, XVIII, 205-209.

THEODORE GILL.

Hoplerythrinus Gill, 208; orthotype *ERYTHRINUS UNITÆNIATUS* Spix.

1715. GILL (1895). *Note on the Fishes of the Genus Characinus.* Proc. U. S. Nat. Mus., XVIII.

THEODORE GILL.

Myloplus Gill, 214; orthotype (by implication) *MYLETES ASTERIAS* M. & T. Substitute for *MYLETES* M. & T., not of Cuvier, whose original haplotype was *SALMO NILOTICUS* L., not *MYLETES RHOMBOIDALIS* Cuv., as erroneously stated in Part I, p. 93, of *Genera of Fishes*.

1716. GILL (1895). *The Genera of Branchiostomidæ.* Amer. Naturalist, XXIX, 457-459.

THEODORE GILL.

Amphioxides Gill, 457; orthotype *BRANCHIOSTOMA PELAGICUM* Gthr.

1717. GILL (1895). *The Genus Leptophidium.* Amer. Nat., XXIX, 1895, 167-168.

THEODORE GILL.

Lepophidium Gill, 167; orthotype *LEPTOPHIDIUM PROFUNDORUM* Gill. Substitute for *LEPTOPHIDIUM* Gill, preoccupied in Snakes.

1718. GOODE & BEAN (1895). *Oceanic Ichthyology. A Treatise on the Deep-Sea and Pelagic Fishes of the World, Based Chiefly upon the Collections made by the Steamers "Blake," "Albatross," and "Fish Hawk" in the Northwestern Atlantic.* Special Bull. U. S. Nat. Mus., 553 pp., 1895.

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Conocara Goode & Bean, 39; orthotype *C. MACDONALDI* G. & B.

Talismania Goode & Bean, 43; logotype *BATHYTROCTES HOMOPTERUS* Vaillant.

Bathylaco Goode & Bean, 57; orthotype *B. NIGRICANS* G. & B.

Benthousema Goode & Bean, 75; orthotype *SCOPELUS MUELLERI* Gmelin.

Collettia Goode & Bean, 83; orthotype *MYCTOPHUM RAFINESQUEI* Cocco.

Lampadena Goode & Bean, 85; orthotype *L. SPECULIGERA* G. & B.

Æthoprora Goode & Bean, 86; orthotype *SCOPELUS METOPOCLAMPUS* Cocco.

Bonapartia Goode and Bean, 102; orthotype *B. PEDALIOTA* G. & B. Name preoccupied; later replaced by *ZAPHOTIAS* G. & B.

Yarella Goode & Bean, 103; orthotype *Y. BLACKFORDI* G. & B.

- Grammatostomias** Goode & Bean, 110; orthotype *G. DENTATUS* G. & B.
Aldrovandia Goode & Bean, 132; orthotype *HALOSAURUS ROSTRATUS* Gthr.
Hypoclydonia Goode & Bean, 236; orthotype *H. BELLA* G. & B.
Helicolenus Goode & Bean, 248; orthotype *SCORPÆNA DACTYLOPTERA* De la Roche.
Hilgendorfia Goode & Bean, 280; orthotype *PARALIPARIS MEMBRANACEUS* Gthr.
Dicromita Goode & Bean, 319; orthotype *D. AGASSIZII* G. & B.
Benthocometes Goode & Bean, 327; orthotype *NEOBYTHITES ROBUSTUS* G. & B.
Celema Goode & Bean, 329; logotype *POROGADUS NUDUS* Vaillant.
Alcockia Goode & Bean, 329; orthotype *POROGADUS ROSTRATUS* Gthr.
Mœbia Goode & Bean, 331; orthotype *BATHYNECTES GRACILIS* Gthr.
Penopus Goode & Bean, 335; orthotype *P. MACDONALDI* G. & B.
Hypsirhynchus "Facciolà, 111, pl. 11" (quoted in Goode & Bean, *Oceanic Ichth.*, 379, 1895); orthotype *H. HEPATICUS* Facciolà.
Moseleya Goode & Bean, 417; orthotype *MACRURUS LONGIFILIS* Gthr. Name pre-occupied; later replaced by *DOLLOA* Jordan.
Abyssicola Goode & Bean, 417; orthotype *MACRURUS MACROCHIR* Gthr.
Caulophryne Goode & Bean, 496; orthotype *C. JORDANI* G. & B.
Valenciennellus (Jordan & Evermann) in Goode & Bean, 513; orthotype *MAUROLICUS TRIPUNCTULATUS* Esmark. (Afterwards in Jordan & Evermann *Fish*, N. M. A. I., 1896, 577.)
Vinciguerria (Jordan & Evermann), in Goode & Bean, 513; orthotype *MAUROLICUS ATTENUATUS* Cocco. Advance notice, detailed account in Jordan & Evermann *Fish*, N. M. A. I., 1896, 577.
Manducus Goode & Bean, 514; orthotype *GONOSTOMA MADERENSE* Johnson.
Escolar (Jordan & Evermann) in Goode & Bean, August 23, 1896, 518; orthotype *THYRSITOPS VIOLACEUS* Bean. Later (1896) called *BIPINNULA* by Jordan & Evermann, October 3, 1896, through a slip in proof-reading.
Lophiodes Goode & Bean, 537; orthotype *LOPHIUS MUTILUS* Alcock.
1719. JORDAN (1895). *Description of Evermannia, a New Genus of Gobioid Fishes*. *Proc. Calif. Acad. Sci.* (2), IV, 592.
 DAVID STARR JORDAN.
- Evermannia** Jordan, 592; orthotype *GOBIOSOMA ZOSTERURUM* J. & G.
1720. JORDAN (1895). *The Fishes of Sinaloa*. *Proc. Calif. Acad. Sci.* (2), V, 377-514.
 DAVID STARR JORDAN (Assisted by EDWIN CHAPIN STARKS, GEORGE BLISS CULVER (1873-) & THOMAS MARION WILLIAMS (1871-)).
- Anchovia** Jordan & Evermann, 411; orthotype *ENGRAULIS MACROLEPIDOTUS* K. & S. (Described fully in *Fish*, N. M. Amer., Jordan & Evermann, 1896, 449).
Thyrina Jordan & Culver, 419; orthotype *T. EVERMANNI* Jordan & Culver.
Xystæma Jordan & Evermann, 471; orthotype *MUGIL CINEREUS* Walbaum. A synonym of *GERRES*, as at first used by Quoy & Gaimard; not *GERRES* of most writers.
- Ulæma** Jordan & Evermann, 471; orthotype *DIAPTERUS LEFROYI* Goode.
Aboma Jordan & Starks, 497; orthotype *A. ETHEOSTOMA* Jordan & Starks.
Enneanectes Jordan & Gilbert, 501; orthotype *TRIPTERYGIUM CARMINALE* J. & G.
Alexurus Jordan, 511; orthotype *A. ARMIGER* Jordan.
1721. JORDAN & STARKS (1895). *The Fishes of Puget Sound*. *Proc. Calif. Acad. Sci.* (2), V, 1895, 785-852.
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Zalarges Jordan & Williams, 793; orthotype *Z. NIMBARIUS* Jordan & Williams.

Said to be a synonym of *VINCIGUERRIA* Jordan.

Ruscarius Jordan & Starks, 805; orthotype *R. MEANYI* Jordan & Starks.

Astrolytes Jordan & Starks, 807; orthotype *ARTEDIUS FENESTRALIS* J. & G.

Gilbertina Jordan & Starks, 811; orthotype *G. SIGALUTES* Jordan & Starks. Name preoccupied; later replaced by *GILBERTIDIA* Berg.

Pallasina (Cramer) Jordan & Starks, 815; orthotype *SIPHAGONUS BARBATUS* Steind.

Stelgis (Cramer) Jordan & Starks, 821; orthotype *AGONUS VULSUS* J. & G.

Averruncus Jordan & Starks, 824; orthotype *A. EMMELANE* Jordan & Starks.

Xystes Jordan & Starks, 824; orthotype *X. AXINOPHRYS* Jordan & Starks.

Lethotremus (Gilbert) Jordan & Starks, 827; orthotype *L. VINOLENTUS* Jordan & Starks.

Ronquilus Jordan & Starks, 838; orthotype *BATHYMASTER JORDANI* Gilbert.

Quietula Jordan & Evermann, 839; orthotype *GILLICHTHYS Y-CAUDA* Jenkins & Evermann.

Bryostemma Jordan & Starks, 841; orthotype *BLENNIUS POLYACTOCEPHALUS* Pallas.

Xererpes Jordan & Gilbert, 846; orthotype *APODICTHYS FUCORUM* J. & G.

Xiphistes Jordan & Starks, 847; orthotype *XIPHISTER CHIRUS* J. & G. Name preoccupied in *HEMIPTERA*; the genus itself, however, is of doubtful value.

1722. KIRKALDY (1895). *A Revision of the Genera and Species of the Branchiostomidæ*. Quart. Journ. Mur. Sci., XXXVII.

J. W. KIRKALDY.

Heteropleuron Kirkaldy, 314; orthotype *BRANCHIOSTOMA BASSANUM* Gthr.

1723. KOENEN (1895). *Ueber einige Fischreste des norddeutschen und Böhmisches Devons*. Abh. Ges. Götting., XL, no. 2, 1-37.

ADOLF VON KOENEN.

Platyaspis Koenen, 21; orthotype *P. TENUIS* Koenen (fossil).

Holopetalichthys Koenen, 25; orthotype *H. NOVAKI* Koenen (fossil).

1724. KRAMBERGER (1895). *De Piscibus fossilibus Comeni, Mrzleci, Lesinæ et M. Libanonis, et appendix de Piscibus oligocænicis ad Tüffer, Sagor et Tri-fail*. Agram, 1895.

DRAGUTIN GORJANOVIC KRAMBERGER.

Opsigonus Kramberger, 9; orthotype *O. SQUAMOSUS* Kramberger (fossil).

Ancylostylos Kramberger, 42; orthotype *A. GIBBUS* Kramberger (fossil).

Lobopterus Kramberger, 44; orthotype *L. PECTINATUS* Kramberger (fossil).

Acanthophoria Kramberger, 45; orthotype *PAGELLUS LIBIANICUS* Pictet (fossil). A synonym of *ACROGASTER* Ag.

1725. OGILBY (1895). *On Two New Genera and Species of Fishes from Australia*. Proc. Linn. Soc. New South Wales (2), X, 320-324.

JAMES DOUGLAS OGILBY.

Centropercis Ogilby, 320; orthotype *C. NUDIVITTATUS* Ogilby.

Tropidostethus Ogilby, 323; orthotype *T. RHOTHOPHILUS* Ogilby. Name preoccupied; replaced by *Iso* Jordan & Starks.

1726. STARKS (1895). *Description of a New Genus and Species of Cottoid from Puget Sound*. Proc. Acad. Nat. Sci. Phila, 1895, 410-412.

EDWIN CHAPIN STARKS.

Jordania Starks, 410; orthotype *J. ZONOPE* Starks.

1727. STRÖMMAN (1895). *Leptocephalids in the University Zoological Museum at Upsala*. S. B. Bohmisch. Ges., 1895, No. XXXIII, 42 pp.

H. STRÖMMAN.

Euleptocephalus Strömman, 51; logotype **LEPTOCEPHALUS SICANUS** Facciola.

1728. VINCIGUERRA (1895). *Esplorazione del Giuba a dei suoi affluenti compiuta dal Cap. V. Bottego durante gli anni 1892-93 sotto gli auspicii della Società geographia Italiana*. Pesci Ann. Mus. Genova (2), XV, 1895, 21-60.

DECIO VINCIGUERRA.

Neobola Vinciguerra, 56; orthotype **N. BOTTEGOI** Vinciguerra.

1729. WEBER (1895). *Fische von Ambon, Java, Thursday Island, dem Burnett-Fluss und von der Südküste von New Guinea*. Semon's Zoolog. Forschungsreisen, V, 259-276.

MAX (CARL WILHELM) WEBER (1852-).

Stiphodon Weber, 269; orthotype **S. SEMONI** Weber.

1730. WOODWARD (1895). *The Fossil Fishes of the Tabragar Beds (Jurassic ?)*. Mem. Geol. Surv. New S. Wales, Pal., No. 9, 1-27.

ARTHUR SMITH WOODWARD.

Aphnelepis Woodward, 9; orthotype **A. AUSTRALIS** Woodw. (fossil).

Ætheolepis Woodward, 12; orthotype **A. MIRABILIS** Woodw. (fossil).

Archæomæne Woodward, 15; orthotype **A. TENUIS** Woodw. (fossil).

1731. WOODWARD (1895). *Catalogue of Fossil Fishes in the British Museum, etc., III*.

ARTHUR SMITH WOODWARD.

Asthenocormus Woodward, 380; orthotype **EUGNATHUS TITANIUS** Wagner (fossil). Substitute for **AGASSIZIA** Vetter, preoccupied.

Microconodus (Traquair) Woodward, 437; orthotype **M. MOLYNEUXI** Traquair (fossil). In synonymy: a synonym of **GONATODUS** Traquair.

Ctenolepis (Agassiz) Woodward, 530; orthotype **C. CYCLUS** Ag. (fossil). Name only in Agassiz, Poiss. Foss., II, 1844, 180.

1732. WOOLMAN (1895). *Report on a Collection of Fishes from the Rivers of Central and Northern Mexico*. Bull. U. S. Fish Comm. for 1894 (1895).

ALBERT JEFFERSON WOOLMAN (1868-1918).

Evarra Woolman, 64; orthotype **E. EIGENMANNI** Woolman.

1896.

1733. ALCOCK (1896). *Natural History Notes from H. M. Indian Marine Survey Steamer "Investigator." Series II, no. 23. A Supplementary List of the Marine Fishes of India, with Descriptions of Two New Genera and Eight New Species*. Journ. Asiat. Soc. Bengal, LXV, 301-338.

ALFRED WILLIAM ALCOCK.

Boopsetta Alcock, 305; orthotype **B. UMBRARUM** Alcock.

Scopelarchus Alcock, 307; orthotype **S. GUENTHERI** Alcock.

1734. ALESSANDRI (1896). *Ricerche sui pesci fossili di Paraná (Repubblica Argentina)*. Atti. Acc. Sci. Torino, XXXI.

GULIO DE ALESSANDRI.

Protautoga Alessandri, 729; orthotype *P. LONGIDENS* Alessandri (fossil).

1735. BEAN & BEAN (1896). *Notes on Fishes Collected in Kamtschatka and Japan by Leonhard Stejneger and Nikolai A. Grebnitzki, with a Description of a New Blenny.* (Dec. 30, 1896.)

TARLETON HOFFMAN BEAN; BARTON APPLER BEAN.

Phoildapus Bean & Bean, 389; orthotype *P. GREBNITZKII* Bean & Bean.

1736. BOULENGER (1896). *Descriptions of New Fishes from the Upper Shiré River, British Central Africa, Collected by Dr. Percy Rendall, and Presented to the British Museum by Sir Harry H. Johnston.* Proc. Zool. Soc. London, 1896, 915-920.

GEORGE ALBERT BOULENGER.

Docimodus Boulenger, 917; orthotype *D. JOHNSTONI* Boulenger.

Corematodes Boulenger, 919; orthotype *C. SHIRANUS* Boulenger.

1737. COLLETT (1896). *Poissons provenant des campagnes du Yacht l'Hirondelle. Résultats des campagnes scientifiques accomplies sur son Yacht par Albert I, Prince Souverain de Monaco.* Fascicule X, Monaco, 1896, 198 pp.

ROBERT COLLETT.

Halosauropsis Collett, 143; orthotype *HALOSAURUS MACROCHIR* Gthr.

1738. GARMAN (1896). *Cross Fertilization and Sexual Rights and Lefts Among Vertebrates.* Amer. Naturalist, XXX, 232.

SAMUEL GARMAN.

Glaridichthys Garman, 232; orthotype *GIRARDINUS UNINOTATUS* Poey. Substitute for *GLARIDODON* Garman, preoccupied.

1739. GILL (1896). *The Differential Characters of the Syngnathid and Hippocampid Fishes.* Proc. U. S. Nat. Mus., XVI. (April 23, 1896.)

THEODORE GILL.

Phycodurus Gill, 159; orthotype *PHYLLOPTERYX EQUUS* Gthr.

1740. GILL (1896). *Lipophrys a substitute for Pholis.* Amer. Naturalist, XXX, 498.

THEODORE GILL.

Lipophrys Gill, 498; orthotype *BLENNIS PHOLIS* L. Substitute for *PHOLIS* Cuv. & Val., preoccupied by *PHOLIS* (Gronow) Scopoli.

1741. GRASSI & CALANDRUCCIO (1896). *Sullo sviluppo dei murenoidi.* Atti. Acc. Lincei Roma, V.

GIOVANNI BATTISTA GRASSI; SALVATORE CALANDRUCCIO.

Todarus Grassi & Calandrucchio, 349; orthotype *NETTASTOMA BREVIROSTRE* Facciola.

1742. GÜNTHER (1896). *Report on the Collection of Reptiles and Fishes Made by Messrs. Potanin & Berezowski in the Chinese Provinces Kansu and Sze-Chuen.* Ann. Ac. St. Petersburg, 1896, 199-219.

ALBERT GÜNTHER.

Onychostoma Günther, 211; orthotype *O. LATICEPS* Gthr.

Leucogobio Günther, 212; orthotype *L. HERZENSTEINI* Gthr. A synonym of *GNATHOPOGON* Blkr.

1743. HERZENSTEIN (1896). *Ueber einige neue und seltene Fische des Zoologischen Museums der Kaiserlichen Akademie der Wissenschaften.* Ann. Ac. St. Petersburg, 1896, 1-14.

SALOMON MARKOVICH HERZENSTEIN.

Coreoperca Herzenstein, 11; orthotype *C. HERZI* Herzenstein.

Nemalycodes Herzenstein, 14; orthotype *N. GRIGORJEWI* Herzenstein.

1744. JORDAN (1896). *Notes on Fishes Little Known or New to Science. (Contributions to Biology from the Hopkins Seaside Laboratory.)* Proc. Cal. Ac. Sci., VI, 1896 (June 19).

DAVID STARR JORDAN.

Zaprora Jordan, 202; orthotype *Z. SILENUS* Jordan.

Emmydrichthys Jordan & Rutter, 221; orthotype *E. VULCANUS* Jordan & Rutter, based on an example with a deformed dorsal fin, the last two spines bitten off and the wound healed, the coloration jet black, otherwise agreeing fairly with *SYNANCEICHTHYS VERRUCOSUS* (Bl. & Schn.). A synonym of *SPURCO* (Commerson) Cuv. & Val. or *SYNANCEICHTHYS* Blkr.

Tarandichthys Jordan & Evermann, 225; orthotype *ICELINUS FILAMENTOSUS* Gilbert.

Ulca Jordan & Evermann, 227; orthotype *HEMITRIPTERUS MARMORATUS* Gilbert.

Bryssætæres Jordan & Evermann, 230; orthotype *GOBIESOX PINNIGER* Gilbert.

Arbaciosa Jordan & Evermann, 230; orthotype *GOBIESOX HUMERALIS* Gilbert.

Rimicola Jordan & Evermann, 231; orthotype *GOBIESOX MUSCARUM* Meek & Pierson.*

Starksia Jordan & Evermann, 231; orthotype *LABRISOMUS CREMNOBATES* Gilbert.

Exerpes Jordan & Evermann, 232; orthotype *AUCHENOPTERUS ASPER* Jenkins & Evermann.

1745. JORDAN & EVERMANN (1896). *A Check List of the Fishes and Fish-like Vertebrates of Northern and Middle America.* Rept. U. S. Fish Comm. for 1895 (1896) (issued December, 1896). This Catalogue was issued in 1896, soon after the publication of Part 1 of the Fishes of North and Middle America by the same authors, and in advance of parts 2 and 3 (1898) and part 4 (1900). Most of the genera described in detail in the later parts are first characterized in this Check List, from which several names later defined should date. In this and other papers by these authors several names are first presented as appellations for subgenera, a matter of no importance so far as their use in nomenclature is concerned.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Rhonciscus Jordan & Evermann, 387; orthotype *PRISTIPOMA CROCRO* Cuv. & Val.

Rhencus Jordan & Evermann, 387; orthotype *PRISTIPOMA PANAMENSE* Steind.

Exonautes Jordan & Evermann, 332; orthotype *EXOCETUS EXSILIENS* Müller.

Eslopsarum Jordan & Evermann, 330; orthotype *CHIROSTOMA JORDANI* Woolman.

A section under *CHIROSTOMA* Sw.

Evapristis Jordan & Evermann, 388; orthotype *ORTHOPRISTIS LETHOPRISTIS* Jordan & Fesler.

Otrynter Jordan & Evermann, 388; orthotype *STENOTOMUS CAPRINUS* Bean.

Salema Jordan & Evermann, 390; orthotype *PERCA UNIMACULATA* Bloch. (Not *SALEIMA* Bowdich, a Portuguese variant of the Spanish name.)

Buccone Jordan & Evermann, 394; orthotype *CYNOSCION PRÆDATORIUS* J. & G.

Elattarchus Jordan & Evermann, 397; orthotype *ODONTOSCION ARCHIDIUM* J. & G.

Zonoscion Jordan & Evermann, 401; orthotype *POLYCIRRHUS RATHBUNI* Jordan & Bollman.

* Charles John Pierson.

- Zaclemus** (Gilbert) Jordan & Evermann, 401; orthotype *PARALONCHURUS GOODEI* Gilbert.
- Zalembius** Jordan & Evermann, 403; orthotype *CYMATOGASTER ROSACEUS* J. & G.
- Iridio** Jordan & Evermann, 412; orthotype *LABRUS RADIATUS* L. (1758).
- Emmeekia** Jordan & Evermann, 413; orthotype *PSEUDOJULIS VENUSTUS* Jenkins & Evermann.
- Julidio** Jordan & Evermann, 413; orthotype *PSEUDOJULIS ADUSTUS* Gilbert.
- Euscarus** Jordan & Evermann, 416; orthotype *LABRUS CRETENSIS* L.
- Loro** Jordan & Evermann, 418; orthotype *SCARUS GUACAMAIA* Cuv.
- Zenion** Jordan & Evermann, 418; orthotype *CYTTUS HOLOLEPIS* G. & B.
- Angelichthys** Jordan & Evermann, 420; orthotype *CHÆTODON CILIARIS* L.
- Xesurus** Jordan & Evermann, 421; orthotype *PRIONURUS PUNCTATUS* Gill.
1746. JORDAN & EVERMANN (1896). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates Found in the Waters of North America, North of the Isthmus of Panama.* Part. I, Bull. U. S. Nat. Mus., No. XLVII, 1896, 1340 pp. (March 18, 1896.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Haustor** Jordan & Evermann, 137; orthotype *GADUS LACUSTRIS* Walbaum = *PIMELODUS NIGRICANS* Le Sueur.
- Rabidus** Jordan & Evermann, 146; orthotype *NOTURUS FURIOSUS* Jordan & Meek.
- Iotichthys** Jordan & Evermann, 243; orthotype *LEUCISCUS PHLEGETHONTIS* Cope.
- Opsopœa** Jordan & Evermann, 249; orthotype *OPSOPŒODUS BOLLMANI* Gilbert..
- Azteca** Jordan & Evermann, 258; orthotype *NOTROPIS AZTECUS* Woolman. Name preoccupied; later replaced by *AZTECULA* Jordan & Evermann.
- Orcella** Jordan & Evermann, 289; orthotype *NOTROPIS ORCA* Woolman.
- Yuriria** Jordan & Evermann, 321; orthotype *HYBOPSIS ALTUS* Jordan.
- Eigenmannia** Jordan & Evermann, 341; orthotype *STERNOPYGUS HUMBOLDTI* Steind. Substitute for *CRYPTOPS* Eigenmann, preoccupied.
- Verma** Jordan & Evermann, 374; orthotype *SPHAGEBRANCHUS KENDALLI* Gilbert.
- Scutica** Jordan & Evermann, 404; orthotype *GYMNOMURÆNA NECTURA* J. & G. A synonym of *UROPTERYGIUS* Rüppell.
- Tarpon** Jordan & Evermann, 409; orthotype *MEGALOPS ATLANTICUS* Cuv. & Val.
- Jenkinsia** Jordan & Evermann, 418; orthotype *DUSSUMIERIA STOLIFERA* J. & G.
- Lile** Jordan & Evermann, 431; orthotype *SARDINELLA STOLIFERA* J. & G.
- Anchovia** Jordan & Evermann, 449; orthotype *ENGRAULIS MACROLEPIDOTUS* K. & S.
- Mitchillina** Jordan & Evermann, 453; orthotype *ALEPOCEPHALUS BAIRDII* G. & B.
- Spirinchus** Jordan & Evermann, 522; orthotype *OSMERUS THALEICHTHYS* Ayres.
- Nansenia** Jordan & Evermann, 528; orthotype *MICROSTOMUS GRÆNLANDICUS* Reinh.
- Kenoza** Jordan & Evermann, 626; orthotype *ESOX AMERICANUS* Gmelin.
- Fontinus** Jordan & Evermann, 645; orthotype *FUNDULUS SEMINOLIS* Grd.
- Gambusinus** Jordan & Evermann, 649; orthotype *FUNDULUS RATHBUNI* Jordan & Meek.
- Cololabis** (Gill) Jordan & Evermann, 726; orthotype *SCOMBRESOX BREVIROSTRIS* Peters.
- Lethostole** Jordan & Evermann, 792; orthotype *CHIROSTOMA ESTOR* Jordan. A section under *CHIROSTOMA* Sw.
- Kirtlandia** Jordan & Evermann, 794; orthotype *CHIROSTOMA VAGRANS* G. & B. A synonym apparently of *MEMBRAS* Bonaparte.
- Eurystole** Jordan & Evermann, 802; orthotype *ATHERINELLA ERIARCHA* J. & G.

- Ostichthys** (Langsdorff) Jordan & Evermann, 846; orthotype *MYRIPRISTIS JAPONICUS* C. & V.
- Bipinnula** Jordan & Evermann, 878; orthotype *THYRSITOPS VIOLACEUS* Bean (Oct. 3, 1896). A synonym of *ESCOLAR* J. & E. (Aug. 23, 1896), the two names both left standing through a slip in proof-reading.
- Palometa** Jordan & Evermann, 966; orthotype *RHOMBUS PALOMETA* Jordan & Bollman.
- Swainia** Jordan & Evermann, 1040; orthotype *ETHESTOMA SQUAMATUM* Gilbert & Swain.
- Torrentaria** Jordan & Evermann, 1080; orthotype *ETHEOSTOMA SAGITTA* Jordan & Swain.
- Rafinesquiellus** Jordan & Evermann, 1082; orthotype *ETHEOSTOMA POTTSI* Grd.
- Nivicola** Jordan, 1082; orthotype *ETHEOSTOMA BOREALE* Jordan.
- Claricola** Jordan & Evermann, 1093; orthotype *ETHEOSTOMA JULIÆ* Meek.
- Psychromaster** Jordan & Evermann, 1099; orthotype *ETHEOSTOMA TUSCUMBIA* Gilbert & Swain.
- Copelandellus** Jordan & Evermann, 1100; orthotype *ETHEOSTOMA QUIESCENS* Jordan.
- Enneistus** Jordan & Evermann, 1147; orthotype *BODIANUS ACANTHISTIUS* Gilbert.
- Archoperca** Jordan & Evermann, 1171; orthotype *MYCTEROPERCA BOULENGERI* Jordan & Starks.
- Xystroperca** Jordan & Evermann, 1181; orthotype *MYCTEROPERCA PARDALIS* Gilbert.
- Ocyanthias** Jordan & Evermann, 1227; orthotype *HOLANTHIAS MARTINICENSIS* Guich.
- Osbeckia** Jordan & Evermann, 424; orthotype *BALISTES SCRIPTUS* Osbeck.
- Chapinus** Jordan & Evermann, 424; orthotype *OSTRACION BICAUDALIS* L.
- Rosicola** Jordan & Evermann, 429; orthotype *SEBASTOSOMUS PINNIGER* Gill.
- Eosebastes** Jordan & Evermann, 430; orthotype *SEBASTICHTHYS AURORA* Gilbert.
- Hispanicus** Jordan & Evermann, 431; orthotype *SEBASTICHTHYS RUBRIVINCTUS* J. & G.
- Rastrinus** Jordan & Evermann, 437; orthotype *ICELUS SCUTIGER* Bean.
- Zesticelus** Jordan & Evermann, 443; orthotype *ACANTHOCOTTUS PROFUNDORUM* Gilbert.
- Stellerina** (Cramer) Jordan & Evermann, 447; orthotype *BRACHYOPSIS XYOSTERNUS* J. & G.
- Sarritor** (Cramer) Jordan & Evermann, 448; orthotype *ODONTOPIXIS FRENATUS* Gill.
- Lyoliparis** Jordan & Evermann, 451; orthotype *LIPARIS PULCHELLUS* Ayres.
- Caremitra** Jordan & Evermann, 451; orthotype *CAREPROCTUS SIMUS* Gilbert.
- Allochir** Jordan & Evermann, 452; orthotype *CAREPROCTUS MELANURUS* Gilbert.
- Allurus** Jordan & Evermann, 452; orthotype *CAREPROCTUS ECTENES* Gilbert. Name preoccupied; replaced in 1900 by *ALLINECTES* J. & E.
- Amitrichthys** Jordan & Evermann, 453; orthotype *PARALIPARIS CEPHALUS* Gilbert.
- Sicya** Jordan & Evermann, 456; orthotype *SICYDIUM GYMNOGASTER* Ogilby-Grant.
- Lythrypnus** Jordan & Evermann, 458; orthotype *GOBIUS DALLI* Gilbert.
- Zalypnus** Jordan & Evermann, 459; orthotype *GOBIUS EMBLEMATICUS* J. & G.
- Ilypnus** Jordan & Evermann, 460; orthotype *LEPIDOGOBIUS GILBERTI* Eigenmann & Eigenmann.
- Rathbunella** Jordan & Evermann, 463; orthotype *BATHYMASTER HYPOPLECTUS* Gilbert.
- Arctoscopus** Jordan & Evermann, 464; orthotype *TRICHODON JAPONICUS* Steind.
- Esloscopus** Jordan & Evermann, 465; orthotype *DACTYLOSCOPUS ZELOTES* J. & E.
- Mnierpes** Jordan & Evermann, 468; orthotype *CLINUS MACROCEPHALUS* Gthr.

Scartes Jordan & Evermann, 471; orthotype *SALARIAS RUBROPUNCTATUS* Cuv. & Val. Name preoccupied; replaced in 1898 by *SCARTICHTHYS* J. & E.

Rhodymenichthys Jordan & Evermann, 474; orthotype *GUNNELLUS RUBERRIMUS* Cuv. & Val. = *BLENNIUS DOLICHOGASTER* Pallas.

Ulvaria Jordan & Evermann, 475; orthotype *PHOLIS SUBBIFURCATUS* Storer.

Furcella Jordan & Evermann, 480; orthotype *LYCODES DIAPTERUS* Gilbert. Name preoccupied; replaced by *FURCIMANUS* J. & E. (1898).

Chilara Jordan & Evermann, 482; orthotype *OPHIDIUM TAYLORI* Grd.

Rissola Jordan & Evermann, 483; orthotype *OPHIDIUM MARGINATUM* De Kay.

Bellator Jordan & Evermann, 488; orthotype *PRIONOTUS MILITARIS* G. & B.

Vulsiculus Jordan & Evermann, 489; orthotype *PERISTEDION IMBERBE* Poey.

Remorina Jordan & Evermann, 490; orthotype *ECHENEIS ALBESCENS* T. & S.

Caulistius Jordan & Evermann, 491; orthotype *GOBIESOX PAPILLIFER* Gilbert.

Embassichthys Jordan & Evermann, 506; orthotype *CYNICOGLOSSUS BATHYBIUS* Gilbert.

Nexilarius (Gilbert) Jordan & Evermann, 512; orthotype *EUSCHISTODUS CONCOLOR* Gill. Misprinted *NEXILARIS*.

1747. OGILBY (1896). *On a New Genus and Species of Fishes from Maroubra Bay*. Proc. Linn. Soc. New S. Wales, XXI, 23-25.

JAMES DOUGLAS OGILBY.

Apogonops Ogilby, 23; orthotype *A. ANOMALUS* Ogilby. This genus also occurs in an article entitled *On a New Genus (Apogonops) and Species of Australian Fishes*. Zool. Anzeiger, XIX, 256, 1896.

1748. OGILBY (1896). *Descriptions of Two New Genera and Species of Australian Fishes*. Proc. Linn. Soc. New S. Wales, XXI, 136-142.

JAMES DOUGLAS OGILBY.

Macrurrhynchus Ogilby, 136; orthotype *M. MAROUBRÆ* Ogilby. A synonym of *ASPIDONTUS* Ehrenberg.

Dermatopsis Ogilby, 138; orthotype *D. MACRODON* Ogilby.

1749. OGILBY (1896). *Rough-Backed Herrings*. Proc. Linn. Soc. N. S. W., XXI, 504.

JAMES DOUGLAS OGILBY.

Potamalosa Ogilby, XXI, 504; orthotype *CLUPEA NOVÆ-HOLLANDIÆ* Cuv. & Val.

1750. OSTROUMOFF (1896). *Zwei neue Relicten-Gattungen im Amazonen Meere*. Zool. Anz., XIX, 30.

ALEKSEYEI ALEKSANDROVICH OSTROUMOFF (1858-).

Asperina Ostroumoff, 30; orthotype *A. IMPROVISA* Ostroumoff, a deep-sea form of *UMBRINA CIRRHOSA* (L.). A synonym of *UMBRINA* Cuv.

1751. PHILIPPI (1896). *Peces nuevos de Chile*. Ann. Univ. Santiago de Chile, LXLIII.

RUDOLPH AMANDUS PHILIPPI.

Acmonotus Philippi, 375; orthotype *A. CHILENSIS* Philippi. Probably a synonym of *LEPTONOTUS* Kaup.

1752. RUTTER (1896). *Notes on Fresh-Water Fishes of the Pacific Slope of North America. II. The Fishes of Rio Yaqui, Sonora, with the Description of a New Genus of Siluridæ*. Proc. Cal. Ac. Sci., VI. (June 23, 1896.)

CLOUDSLEY M. RUTTER (1875-1905, about).

Villarius Rutter, 258; orthotype *V. PRICEI* Rutter. This genus is supposed to differ from *HAUSTOR* J. & E. (March 18, 1896) (fork-tailed *AMEIURUS*) in the presence of small scattered villi on the sides of the body. It is claimed that such villi exist also in several other species of *HAUSTOR*, at least in the young. *VILLARIUS* is therefore perhaps, but not certainly, a synonym of *HAUSTOR*, the latter having three months' priority.

1753. STARKS (1896). *List of Fishes Collected at Port Ludlow, Washington* Proc. Calif. Acad. Sci. (2), VI, 549-562.

EDWIN CHAPIN STARKS.

Axyrias Starks, 554; orthotype *A. HARRINGTONI* Starks. A near ally of *ARTEDIUS* Grd., perhaps a synonym.

1754. SEALE (1896). *Note on Deltistes, a New Genus of Catostomoid Fishes* Proc. Cal. Ac. Sci., V., 1896.

ALVIN SEALE (1870-).

Deltistes Seale, 269; orthotype *CHASMISTES LUXATUS* Cope.

1755. STORMS (1896). *Première note sur les poissons wemméliens (Éocène supérieur de la Belgique)*. Bull. Soc. Belg. Geol. Pal., X.

RAYMOND STORMS.

Ctenodentex Storms, 199; orthotype *DENTEX LÆKENIENSIS* Van Beneden (fossil).

1897.

1756. BOULENGER (1897). *An Account of the Fresh-Water Fishes Collected in Celebes by Drs. P. & F. Sarasin*. Proc. Zool. Soc. London, 1897, 426-429.

GEORGE ALBERT BOULENGER.

Telmatherina Boulenger, 428; orthotype *T. CELEBENSIS* Boulenger.

1757. BOULENGER (1897). *Description of a New Ceratopterine Eagle-Ray from Jamaica*. Ann. Nat. Hist. (6), XX, 227-228.

GEORGE ALBERT BOULENGER.

Ceratobatis Boulenger, 227; orthotype *C. ROBERTSI* Boulenger.

1758. EASTMAN (1897). *Tamiobatis Vetustus, a New Form of Fossil Skate*. Amer. J. Sci. (4), 85-90.

CHARLES ROCHESTER EASTMAN (1868-1918).

Tamiobatis Eastman, 85; orthotype *T. VETUSTUS* Eastman. (Fossil cranium from Devonian or carboniferous, Kentucky.)

1759. EASTMAN (1897). *On the Occurrence of Fossil Fishes in the Devonian of Iowa*. Iowa Geol. Surv., VII, Ann. Rep. for 1896, 108-116.

CHARLES ROCHESTER EASTMAN.

Synthetodus Eastman, 111; orthotype *S. TRISULCATUS* Eastman (fossil, dental elements, perhaps *DIPNEUSTAN*, Devonian, Iowa).

1760. EIGENMANN (1897). *Steindachneria*. Amer. Nat., 1897, XXXI, 158-159.

CARL H. EIGENMANN.

Steindachnerella Eigenmann, 159; orthotype *STEINDACHNERIA ARGENTEA* G. & B., 1888. Substitute for *STEINDACHNERIA* G. & B., a name regarded as preoccupied by *STEINDACHNERIA* Eigenmann, 1897, as no type had been mentioned with the earlier *STEINDACHNERIA* of Goode & Bean. *STEINDACHNERIA* of Goode & Bean apparently holds, and a new name, *STEINDACHNERIDION* Eigenmann, 1919, has been given to Eigenmann's genus.

1761. GILBERT & CRAMER (1897). *Report on the Fishes Dredged in Deep Water Near the Hawaiian Islands, with descriptions and figures of Twenty-three New Species*. Proc. U. S. Nat. Mus., 1896, XIX, 403-435. (Feb. 5, 1897.)

CHARLES HENRY GILBERT; FRANK CRAMER.

- Argyripnus** Gilbert & Cramer, 414; orthotype *A. EPHIPPIATUS* Gilbert & Cramer.
Cælocephalus Gilbert & Cramer, 422; orthotype *C. ACIPENSERINUS* Gilbert & Cramer.
 Name preoccupied; replaced by *MATÆOCEPHALUS* Berg.

- Pelecanichthys** Gilbert & Cramer, 432; orthotype *P. CRUMENALIS* Gilbert & Cramer.

1762. GILL & TOWNSEND (1897). *Diagnosis of New Species of Fishes Found in Bering Sea*. Proc. Soc. Washington, XI, 231-234.

THEODORE GILL; CHARLES HASKINS TOWNSEND.

- Ericara** Gill & Townsend, 232; orthotype *E. SALMONEA* Gill & Townsend.

1763. GILBERT (1897). *Descriptions of Twenty-two New Species of Fishes Collected by the Steamer "Albatross," of the U. S. Fish Comm.* Proc. U. S. Nat. Mus., 1896, XIX, 437-457. (Feb. 5, 1897.)

CHARLES HENRY GILBERT.

- Emmnion** (Jordan) Gilbert, 454; orthotype *E. BRISTOLÆ* Jordan.

- Ulvicola** Gilbert & Starks, 455; orthotype *U. SANCTÆ-ROSÆ* Gilbert & Starks.

1764. NIKOLSKII (1897). *Les Reptiles, Amphibiens, et Poissons recueillis par Mr. N. Zaroudny dans la Perse orientale* (Russian text). Ann. Mus. St. Petersb., 1897, 306-348.

ALEKSANDR MIKHAILOVICH NIKOLSKII (1858-).

- Apiostoma** Nikolskii, 345; orthotype *A. ZARUDNYI* Nikolskii. A synonym of *SCHIZOTHORAX* Heckel.

- Apiorhynchus** Nikolskii, 345; orthotype *APIOSTOMA ZARUDNYI* Nikolskii. Apparently a synonym of *APIOSTOMA* Nikolskii.

1765. OGILBY (1897). *New Genera and Species of Australian Fishes*. Proc. Linn. Soc. New S. Wales, 1897, XXII, 62-95.

JAMES DOUGLAS OGILBY.

- Omochætus** Ogilby, 72; orthotype *HYPERLOPHUS COPEI* Ogilby = *MELETTA VITTATA* Castelnau. Perhaps a synonym of *HYPERLOPHUS* Ogilby.

- Monothrix** Ogilby, 87; orthotype *M. POLYLEPIS* Ogilby.

- Austrophycis** Ogilby, 91; orthotype *A. MEGALOPS* Ogilby.

1766. OGILBY (1897). *Some New Genera and Species of Fishes*. Proc. Linn. Soc. New S. Wales, XXII, 245-257.

JAMES DOUGLAS OGILBY.

- Scolenchelys** Ogilby, 246; orthotype *MURÆNICHTHYS AUSTRALIS* Macleay. A synonym of *MURÆNICHTHYS* Blkr.

- Myropterura** Ogilby, 247; orthotype *M. LATICAUDATA* Ogilby.

- Goodella** Ogilby, 249; orthotype *G. HYPOZONA* Ogilby. A synonym of *TRACHINOCEPHALUS* Gill.

1767. OGILBY (1897). *On Some Australian Eleotrinae*. Proc. Linn. Soc. New S. Wales, XII, 725-757.

JAMES DOUGLAS OGILBY.

- Carassiops** Ogilby, 732; orthotype *ELEOTRIS COMPRESSUS* Krefft.

Krefftius Ogilby, 736; orthotype *ELEOTRIS AUSTRALIS* Krefft. A synonym of *MORGUNDA* Gill.

Mulgoa Ogilby, 740; orthotype *ELEOTRIS COXII* Krefft.

Ophiorrhinus Ogilby, 745; logotype *ELEOTRIS GRANDICEPS* Krefft. A synonym of *PHILYPNODON* Blkr.

1768. PERUGIA (1897). *Di alcuni Pesci raccolti nell' Alto Paraguay dal Cav. Guido Boggiani*. Ann. Mus. Genova (2), XVIII, 147-150.

ALBERTO PERUGIA.

Boggiania Perugia, 148; orthotype *B. OCELLATA* Perugia.

1769. PLATE (1897). *Ein neuer Cyclostom mit grossen, normal entwickelten Augen, Macrophthalmia chilensis, n. g. n. sp.* Sitzber. Ges. Naturf. Berlin, 1897, 137-141.

LUDWIG HERMANN PLATE (1862-).

Macrophthalmia Plate, 137; orthotype *M. CHILENSIS* Plate.

1770. PRIEM (1897). *Sur les dents d'élasmobranches de divers gisements sénoniens. (Villedieu, Meudon, et Foix-les-Caves.)* Bull. Soc. Geol. France, XXV, 40-56.

FERNAND PRIEM (-1919).

Pseudocorax Priem, 47; orthotype *CORAX AFFINIS* Ag.

1771. VAILLANT (1897). *Siluroide nouveau de l'Afrique orientale (Chimarrhoglanis leroyi)*. Bull. Mus. Paris, 1897, 81-84.

LÉON VAILLANT.

Chimarrhoglanis Vaillant, 81; orthotype *C. LEROYI* Vaillant. A synonym of *AMPHILIUS* Gthr.

1898.

1772. ALCOCK (1898). *Natural History Notes from H. M. Indian Marine Survey Ship "Investigator," Commander T. H. Heming, R. N., commanding. Series II, No. 25. A Note on the Deep-Sea Fishes, Including Another Probably Viviparous Ophidioid.* Ann. Mag. Nat. Hist. (7), II, 136-156.

ALFRED WILLIAM ALCOCK.

Benthobatis Alcock, 144; orthotype *B. MORESBYI* Alcock.

1773. BASSANI (1898). *Aggiunti all' ittiofauna eocenica di Monte Bolca e Postate*. Palont. Italica, III.

FRANCESCO BASSANI.

Oncolepis Bassani, 79; orthotype *O. ISSELI* Bassani (fossil).

1774. BOULENGER (1898). *Description of a New Genus of Cyprinoid Fishes from Siam*. Ann. Mag. Nat. Hist. (7), I, 450-451.

GEORGE ALBERT BOULENGER.

Catlocarpio Boulenger, 450; orthotype *C. SIAMENSIS* Boulenger.

1775. BOULENGER (1898). *Poissons nouveaux du Congo*. Ann. Mus. Congo, Zool. I, 1-20, 21-38.

GEORGE ALBERT BOULENGER.

Stomatorhinus Boulenger, 9; orthotype *MORMYRUS WALKERI* Gthr.

Myomyrus Boulenger, 10; orthotype *M. MACRODON* Boulenger.

Genyomyrus Boulenger, 17; orthotype *G. DONNYI* Boulenger.

Eugnathichthys Boulenger, 26; orthotype *E. EETVELDII* Boulenger.

1776. BOULENGER (1898). *On a Collection of Fishes from the Rio Jura, Brasil.* Trans. Zool. Soc. London, XIV, 421-428.

GEORGE ALBERT BOULENGER.

Steatogenys Boulenger, 428; orthotype *RHAMPHICHTHYS ELEGANS* Steind.

1777. BOULENGER (1898). *On a New Genus of Salmonoid Fishes from Altai Mountains.* Ann. Mag. Nat. Hist. (7), I, 329-331.

GEORGE ALBERT BOULENGER.

Phyllogephyra Boulenger, 330; orthotype *P. ALTAICA* Boulenger.

1778. BOULENGER (1898). *Descriptions of Two New Siluroid Fishes from Brazil.* Ann. Mag. Nat. Hist. (7), II, 477-478.

GEORGE ALBERT BOULENGER.

Leptodoras Boulenger, 477; orthotype *OXYDORAS ACIPENSERINUS* Gthr.

1779. BOULENGER (1898). *A Revision of the African and Syrian Fishes of the Family Cichlidæ, Part I.* Proc. Zool. Soc. London, 1898, 132-152.

GEORGE ALBERT BOULENGER.

Chromidotilapia Boulenger, 151; orthotype *C. KINGSLEYÆ* Boulenger.

1780. BOULENGER (1898). *Report on the Collection of Fishes Made by Mr. J. E. S. Moore in Lake Tanganyika . . . 1895-1896.* Trans. Zool. Soc., XV, 1-30.

GEORGE ALBERT BOULENGER.

Telmatochromis Boulenger, 10; orthotype *T. VITTATUS* Boulenger.

Julidochromis Boulenger, 11; orthotype *J. ORNATUS* Boulenger.

Bathybates Boulenger, 15; orthotype *B. FEROX* Boulenger.

Eretmodus Boulenger, 16; orthotype *E. CYANOCINCTUS* Boulenger.

Tropheus Boulenger, 17; orthotype *T. MOORII* Boulenger.

Simochromis Boulenger, 19; orthotype *CHROMIS DIAGRAMMA* Gthr.

Petrochromis Boulenger, 20; orthotype *P. POLYODON* Boulenger.

Perissodus Boulenger, 20; orthotype *P. MICROLEPIS* Boulenger.

Plecodus Boulenger, 22; orthotype *P. PARADOXUS* Boulenger.

1781. DEAN (1898). *New Species and a New Genus of American Palæozoic Fishes, . . . from a Nearly Completed MS. by John Strong Newberry.* Trans. N. Y. Acad. Sci., XV. Edited by Bashford Dean.

BASHFORD DEAN (1867-).

Stenognathus (Newberry) Dean, about 300; orthotype *DINICHTHYS CORRUGATUS* Terrell.

1782. EASTMAN (1898). *Dentition of Devonian Pycnodontidæ.* Amer. Naturalist, XXXII, 473-488; 545-560.

CHARLES ROCHESTER EASTMAN.

Phlyctænacanthus Eastman, 552; orthotype *P. TELLERI* Eastman (a fossil *ICHTHYODORULITE* from Devonian, Wisconsin). A synonym of *ECZEMATOLEPIS* Miller = *ACANTHOLEPIS* Newberry.

Belemnacanthus Eastman, 552; orthotype *B. GIGANTEUS* Eastman (fossil spine, perhaps of an *OSTRACODERM*, from the Devonian of Eifel).

1783. EVERMANN & KENDALL (1898). *Descriptions of New or Little Known Genera and Species of Fishes from the United States*. Bull. U. S. Fish Commission, XVII, 125-133.

BARTON WARREN EVERMANN; WILLIAM CONVERSE KENDALL.

Signalosa Evermann & Kendall, 127; orthotype *S. ATCHAFALAYÆ* Evermann & Kendall.

Lyosphæra Evermann & Kendall, 131; orthotype *L. GLOBOSA* Evermann & Kendall.

Ogilbia (Jordan & Evermann) Evermann & Kendall, 132; orthotype *O. CAYORUM* Evermann & Kendall.

1784. GOELDI (1898). *Primeira Contribuição para o conhecimento dos peixes do valle dos Amazonas e dos Guyanas, etc.* Bol. Mus. Paraense. Hist. Nat., Para II.

EMIL AUGUST GOELDI.

Phrenatobius Goeldi, orthotype *P. CISTERNARUM* Goeldi. A little known subterranean fish.

1785. HAY (1898). *Notes on Species of Ichthyodectes, including the New Species I. cruentus, and on the Related and Herein Established Genus Gillicus*. Amer. J. Sci. (4), VI, 225-232.

OLIVER PERRY HAY.

Gillicus Hay, 230; orthotype *PORTHEUS ARCUATUS* Cope. Said to be a synonym of *ICHTHYODECTES* Cope.

1786. IHERING (1898). *Description of a New Fish from São Paulo*. Proc. Acad. Nat. Sci. Phila., 1898, 108-109.

HERMANN VON IHERING (1850-).

Paulicea Ihering, 109; orthotype *P. JAHU* Ihering.

1787. JAEKEL (1898). *Ueber Hybodus Agassiz*. Sitzber. Naturf. Berlin, 1898, 135-146.

OTTO (MAX JOHANNES) JAEKEL.

Orthybodus Jaekel, 138; orthotype *HYBODUS GROSSICONUS* Ag. (fossil).

Parhybodus Jaekel, 143; orthotype *HYBODUS LONGICONUS* Ag. (fossil).

1788. JAEKEL (1898). *Der verschiedenen Rochentypen*. Sitzber. Naturf. Berlin, 1898, 44-53.

OTTO (MAX JOHANNES) JAEKEL.

Lagarodus Jaekel, 50; orthotype *PSAMMODUS SPECULARIS Romanowskii* (fossil).

1789. JORDAN (1898). *Description of a Species of Fish (Mitsukurina owstoni) from Japan, the Type of a Distinct Family of Lamnoid Sharks*. Proc. Calif. Acad. Sci. (3), I, 199-201.

DAVID STARR JORDAN.

Mitsukurina Jordan, 199; orthotype *M. OWSTONI* Jordan, a living homologue of the extinct genus *SCAPANORHYNCHUS* Woodw.

1790. JORDAN & EVERMANN (1898). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates found in the Waters of North America, North of the Isthmus of Panama*. Pt. II. Bull. U. S. Nat. Mus. No. 47, 1241-2182. (Oct. 3, 1898.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Nector Jordan & Evermann, 1433; orthotype *BAIRDIELLA ARMATA* Gill.

- Zestis** Jordan & Evermann, 1439; orthotype *STELLIFER OSCITANS* J. & G.
Zestidium Jordan & Evermann, 1442; orthotype *STELLIFER ILLECEBROSUS* Gilbert.
Stellicarens Jordan & Evermann, 1445; orthotype *STELLIFER ZESTOCARUS* Gilbert.
Sigmurus (Gilbert) Jordan & Evermann, 1447; orthotype *CORVINA VERMICULARIS* Gthr.
Azurina (Jordan & McGregor) Jordan & Evermann, 1544; orthotype *A. HIRUNDO* Jordan & McGregor.
Forcipiger (Jordan & McGregor) Jordan & Evermann, 1671; orthotype *CHELMON LONGIROSTRIS* Cuv. & Val.
Emmelas Jordan & Evermann, 1773; orthotype *SEBASTODES GLAUCUS* Hilgendorf.
Alcidea Jordan & Evermann, 1886; orthotype *PARICELINUS THOBURNI* Gilbert.
Archistes (Jordan & Gilbert) Jordan & Evermann, 1900; orthotype *A. PLUMARIUS* J. & G.
Steligistrum (Jordan & Gilbert) Jordan & Evermann, 1921; orthotype *S. STEJNEGERI* J. & G.
Oxycottus Jordan & Evermann, 2015; orthotype *OLIGOCOTTUS ACUTICEPS* Gilbert.
Nautiscus Jordan & Evermann, 2019; orthotype *NAUTICHTHYS PRIBILOVIUS* J. & G.
Occa Jordan & Evermann, 2043; orthotype *BRACHYOPSIS VERRUCOSUS* Lockington.
Gurnardus Jordan & Evermann, 2148; orthotype *PRIONOTUS GYMNOSTETHUS* Gilbert.
Merulinus Jordan & Evermann, 2148; orthotype *TRIGLA CAROLINA* L.
1791. JORDAN & EVERMANN (1898). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates Found in the Waters of North America North of the Isthmus of Panama.* Part III. Bull. U. S. Nat. Mus., No. 47, pp. 2183-3136. (Nov., 1898.)
 DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Enypnias** Jordan & Evermann, 2232; orthotype *GOBIOUS SEMINUDUS* Gthr.
Dæctor Jordan & Evermann, 2325; orthotype *THALASSOPHRYNE DOWI* J. & G.
Bryssophilus Jordan & Evermann, 2329; orthotype *GOBIESOX PAPILLIFER* Gilbert.
Pterognathus (Girard) Jordan & Evermann, 2355; orthotype *NEOCLINUS SATIRICUS* Grd.
Corallicola Jordan & Evermann, 2369; orthotype *AUCHENOPTERUS NIGRIPINNIS* Steind.
Homesthes (Gilbert) Jordan & Evermann, 2394; orthotype *H. CAULOPUS* Gilbert.
Blenniulus Jordan & Evermann, 2386; orthotype *BLENNIUS BREVIPINNIS* Gthr.
Scartichthys Jordan & Evermann, 2395; orthotype *SALARIAS RUBROPUNCTATUS* Cuv. & Val. A substitute for *SCARTES* J. & E., 1896, preoccupied.
Enedrias Jordan & Evermann, 2414; orthotype *GUNNELLUS NEBULOSUS* T. & S.
Ernogrammus Jordan & Everman, 2441; orthotype *STICHÆUS ENNEAGRAMMUS* Kner.
Ozorthes Jordan & Evermann, 2441; orthotype *STICHÆUS HEXAGRAMMUS* T. & S.
Embryx Jordan & Evermann, 2456; orthotype *LYCODOPSIS CRASSILABRIS* Gilbert.
Lycias Jordan & Evermann, 2463; orthotype *LYCODES NEBULOSUS* Kner.
Theragra (Lucas) Jordan & Evermann, 2535; orthotype *GADUS CHALCOGRAMMUS* Pallas.
Emphycus Jordan & Evermann, 2552; orthotype *PHYCIS TENUIS* Mitchill. A substitute for *PHYCIS* Raf., which is preoccupied, but *PHYCIS* Röse (1793), its equivalent, is apparently valid.
Verasper (Jordan & Gilbert) Jordan & Evermann, 2618; orthotype *V. MOSERI* J. & G.
Ramularia Jordan & Evermann, 2663; orthotype *ANCYLOPSETTA DENDRITICA* Gilbert.
Perissias Jordan & Evermann, 2667 orthotype *PLATOPHYRYS TÆNIOPTERUS* Gilbert.

- Albatrossia** Jordan & Evermann, 2573; orthotype *MACROURUS PECTORALIS* Gilbert.
- Bogoslovius** Jordan & Evermann, 2574; orthotype *B. CLARKI* J. & G.
- Aztecula** Jordan & Evermann, 2799; orthotype *NOTROPIS AZTECUS* Woolman. A substitute for *AZTECA* J. & E., preoccupied.
- Zaphotias** (Goode & Bean) Jordan & Evermann, 2826; orthotype *BONAPARTIA PEDALIOTA* G. & B. Substitute for *BONAPARTIA* G. & B., preoccupied.
- Rhynchias** (Gill) Jordan & Evermann, 2841; orthotype *AMMODYTES SEPTIPINNIS* Pallas, a species still unrecognized.
- Zalocys** (Jordan & McGregor) Jordan & Evermann, 2848; orthotype *Z. STILBE* Jordan & McGregor.
- Sigmistes** (Rutter) Jordan & Evermann, 2863; orthotype *S. CAULIAS* Rutter.
- Aspistor** Jordan & Evermann, 2863; orthotype *ARIUS LUNISCUTIS* Cuv. & Val.
- Crystallichthys** (Jordan & Gilbert) Jordan & Evermann, 2864; orthotype *C. MIRABILIS* J. & G.
- Allinectes** Jordan & Evermann, 2866; orthotype *CAREPROCTUS ECTENES* Gilbert. Substitute for *ALLURUS* J. & E., preoccupied by *ALLURUS* Forster (1862), a genus of HYMENOPTERA; also by *ALLURUS* Eisen (1874), a genus of worms.
- Prognurus** (Jordan & Gilbert) Jordan & Evermann, 2866; orthotype *P. CYPSELURUS* J. & G.
- Sicyosus** Jordan & Evermann, 2867; orthotype *SICYDIUM GYMNOGASTER* Ogilvie-Grant. Substitute for *SICYA* Jordan & Evermann, preoccupied.
- Alectrias** Jordan & Evermann, 2869; orthotype *BLENNIUS ALECTROLOPHUS* Pallas.
- Furcimanus** Jordan & Evermann, 2869; orthotype *LYCODES DIAPTERUS* Gilbert. Substitute for *FURCELLA* J. & E., preoccupied.
- Flammeo** Jordan & Evermann, 2871; orthotype *HOLOCENTRUM MARIANUM* Cuv. & Val.
1792. JORDAN & MCGREGOR (1898). *List of Fishes Collected at the Revillagigedo Archipelago and Neighboring Islands*. Rept. U. S. Fish Comm., for 1898, 273-284.
- DAVID STARR JORDAN; RICHARD CRITTENDEN MCGREGOR.
- The contents of this paper were included in the appendix to Part III of the *Fishes of North and Middle America*, of the same date.
- Zalocys** Jordan & McGregor, 276; orthotype *Z. STILBE* Jordan & McGregor.
- Forcipiger** Jordan & McGregor, 279; orthotype *CHELMO LONGIROSTRIS* Cuv. & Val.
1793. JORDAN & GILBERT (1898). *The Fishes of Bering Sea. In Jordan, Fur Seals, and Fur-Seal Islands of the North Pacific Ocean*. Part III.
- DAVID STARR JORDAN; CHARLES HENRY GILBERT.
- The genera and species described in this paper were mostly included in Jordan & Evermann's *Fishes of North America*, Part III, of the same date.
- Therobromus** (Lucas) Jordan & Gilbert, 440; orthotype *THEROBROMUS CALLORHINI* Lucas.*
- Archistes** Jordan & Gilbert, 454; orthotype *A. PLUMARIUS* J. & G.
- Stelgistrum** Jordan & Gilbert, 456; orthotype *S. STEJNEGERI* J. & G.
- Crystallichthys** Jordan & Gilbert, 476; orthotype *C. MIRABILIS* J. & G.
- Prognurus** Jordan & Gilbert, 478; orthotype *P. CYPSELURUS* J. & G.
- Albatrossia** Jordan & Gilbert, 487; orthotype *MACROURUS PECTORALIS* Gilbert.
- Verasper** Jordan & Gilbert, 490; orthotype *V. MOSERI* J. & G.

* Frederick Augustus Lucas (1852-).

1794. NEWBERRY (1898). *New Species and New Genus of American Palæozoic Fishes, Together with Notes on the Genera Oracanthus, Dactylodus, Polyrhizodus, Sandalodus, Deltodus.* Trans. N. Y. Acad., XVI, 1898, 282-304.

JOHN STRONG NEWBERRY.

Stenognathus Newberry, 303; orthotype *DINICHTHYS CORRUGATUS* Terrell (fossil).

1795. OGILBY (1898). *A Contribution to the Zoology of New Caledonia.* Proc. Linn. Soc. New S. Wales, XXII, 762-770.

JAMES DOUGLAS OGILBY.

Trichopharynx Ogilby, 769; orthotype *GobiUS CRASSILABRIS* Gthr. A synonym of *CHONOPHORUS* Poey (AWAOUS Steind.).

1796. OGILBY (1898). *New Genera and Species of Fishes.* Proc. Linn. Soc. New S. Wales, XXIII, 32-41, 280-299.

JAMES DOUGLAS OGILBY.

Cinetodus Ogilby, 32; orthotype *ARIUS FROGGATI* Ramsay.

Nedystoma Ogilby, 32; orthotype *HEMIPIMELODUS DAYI* Ramsay & Ogilby.

Pachyula Ogilby, 33; orthotype *HEMIPIMELODUS CRASSILABRIS* Ramsay. A synonym of *HEMIPIMELODUS*.

Thysanophrys Ogilby, 40; orthotype *PLATYCEPHALUS CIRRONASUS* Rich.

Tæniomembras Ogilby, 41; orthotype *ATHERINA MICROSTOMA* Gthr. Apparently a synonym of *HEPSETIA* Bon.

Endorrhis Ogilby, 283; orthotype *COPIDOGLANIS LONGIFILIS* Macleay. A synonym of *PARAPLOTOSUS*.

Congrellus Ogilby, 288; orthotype *MURÆNA BALEARICA* Delaroche. A synonym of *ARIOSOMA* Sw., as restricted; first noted by Jordan & Evermann.

Eathycongrus Ogilby, 292; orthotype *CONGROMURÆNA NASICA* Alcock.

Eucentronotus Ogilby, 294; orthotype *E. ZIETZI* Ogilby. A synonym of *PERONEDYS* Steind.

Creedia Ogilby, 298; orthotype *C. CLATHRISQUAMIS* Ogilby.

1797. OGILBY (1898). *Additions to the Fauna of Lord Howe Island.* Proc. Linn. Soc. New S. Wales, 1898, XXIV, 730-745.

JAMES DOUGLAS OGILBY.

Howella Ogilby, 733; orthotype *H. BRODIEI* Ogilby.

Machærope Ogilby, 736; orthotype *M. LATISPINIS* Ogilby.

Diancistrus Ogilby, 743; orthotype *D. LONGIFILIS* Ogilby.

1798. OGILBY (1898). *On Some Australian Eleotrinæ.* Proc. Linn. Soc. New S. Wales, XXII, 783-893.

JAMES DOUGLAS OGILBY.

Caulichthys Ogilby, 784; orthotype *ELEOTRIS GUENTHERI* Blkr. A synonym of *HYPSELEOTRIS* Gill.

Austrogobio Ogilby, 788; orthotype *CARASSIOPS GALII* Ogilby.

1799. PRIEM (1898). *Sur la faune ichthyologique des Assises Montiennes du Bassin de Paris et en particulier sur Pseudolates heberti, Gervais.* Bull. Soc. Geol. France (3), XXVI, 399-412.

FERNAND PRIEM.

Pseudolates Priem, 408; orthotype *LATES HERBERTI* Gervais (fossil). Name preoccupied by Macleay, 1877; replaced by *PROLATES* Priem.

1800. SMITT (1898). *Poissons de l'Expédition scientifique à la Terre de Feu.* Bih. Svenska Ak., XXIII-IV, no. 5, 1-80.

FREDERIK ADAM SMITT (1839-1904).

Dissostichus Smitt, 3; orthotype *D. ELEGINOIDES* Smitt.

1801. STEINDACHNER (1898). *Die Fische der Sammlung Plate. Fauna Chilensis . . . nach der Sammlung von Dr. L. Plate.* Zool. Jahrb. Suppl., IV, 281-337.

FRANZ STEINDACHNER.

Platea Steindachner, 323; orthotype *P. INSIGNIS* Steind.

1802. STORMS (1898). *Première note sur les Poissons Wemméliens (Éocène Supérieur) de la Belgique.* Mém. Soc. Belge. Geol., X, 1898, 198-240.

RAYMOND STORMS.

Ctenodentex Storms, 199; orthotype *DENTEX LÆKENIENSIS* Van Beneden (fossil).
Eomyrus Storms, 225; orthotype *E. DOLLOI* Storms (fossil).

1803. TRAQUAIR (1898). *Notes on Paleozoic Fishes, No. 2.* Ann. Mag. Nat. Hist. (7), II, 67-70.

RAMSAY HEATLEY TRAQUAIR.

Farnellia Traquair, 69; orthotype *F. TUBERCULATA* Traquair (fossil).

1804. VINCIGUERRA (1898). *I pesci dell' ultima Spedizione del Cap. Bottego.* Ann. Mus. Genova (2), XIX, 240-261.

DECIO VINCIGUERRA.

Oxyglanis Vinciguerra, 250; orthotype *O. SACCHII* Vinciguerra.

1805. WOODWARD (1898). *Notes on Some Type Specimens of Cretaceous Fishes from Mount Lebanon in the Geneva Museum.* Ann. Mag. Nat. Hist., VII, series 2.

ARTHUR SMITH WOODWARD.

Thrissopteroides Woodward, 408; orthotype *T. TENUICEPS* Woodw. = *CLUPEA ELONGATA* Davis (fossil).

1899.

1806. ABBOTT (1899). *The Marine Fishes of Peru.* Proc. Acad. Nat. Sci. Phila., 1899, 324-364.

JAMES FRANCIS ABBOTT (1875-).

Pisciregia Abbott, 342; orthotype *P. BEARDSLEEI* Abbott. A synonym of *BASILICHTHYS* Grd.

1807. ALCOCK (1899). *New Species of Fish.* Proc. Asiat. Soc. Bengal, 1899, 781.

ALFRED WILLIAM ALCOCK.

Halimochirus Alcock, 78; orthotype *H. CENTRISCOIDES* Alcock.

1808. AMEGHINO (1899). *Sinopsis geologico-paleontologica. Suplemento (Adiciones y correcciones).* La Plata, 1899, 1-13.

FLORENTINO AMEGHINO (1854-1911).

Paraikichthys Ameghino, 10; orthotype *P. ORNATISSIMUS* Ameghino (fossil).

1809. BERG (1899). *Substitucion de nombres genericos.* II Comun. Mus. Buenos Aires, I, 37-80.

CARLOS BERG.

Gilbertidia Berg, 42; orthotype *GILBERTINA SIGOLUTES* Jordan & Starks. Substitute for *GILBERTINA* Jordan & Starks, preoccupied.

Mataeocephalus Berg, 43; orthotype *CÆLOCEPHALUS ACIPENSERINUS* Gilbert & Cramer. Substitute for *CÆLOCEPHALUS* Gilbert & Cramer, preoccupied.

1810. BOULENGER (1899). *Matériaux pour la faune du Congo. Poissons nouveaux du Congo. Troisième Partie: Silures, Acanthopterygiens, Mastacembles, Plectognathes*, Ann. Mus. Congo, Zool. I, 39-58. *Quatrième Partie: Polyptères, Clupes, Mormyres, Characins*, 59-96. *Cinquième Partie: Cyprins, Silures, Cyprinodontes, Acanthopterygiens*, 97-128.

GEORGE ALBERT BOULENGER.

- Chrysobagrus** Boulenger, 40; orthotype C. BREVIBARBIS Boulenger.
Gephyroglanis Boulenger, 42; logotype G. CONGICUS Boulenger.
Steatocranus Boulenger, 52; orthotype S. GIBBICEPS Boulenger.
Teleogramma Boulenger, 53; orthotype T. GRACILE Boulenger.
Odaxothrissa Boulenger, 64; orthotype O. LOSERA Boulenger.
Paraphago Boulenger, 76; orthotype P. ROSTRATUS Boulenger.
Neoborus Boulenger, 78; orthotype N. ORNATUS Boulenger.
Micralestes Boulenger, 86; orthotype M. HUMILIS Boulenger.
Pseudoplesiops Boulenger, 90; orthotype P. NUDICEPS Boulenger. (Name preoccupied: Bleeker, 1858); replaced by NANOCHROMIS Pellégrin.
Chelæthiops Boulenger, 101; orthotype C. ELONGATUS Boulenger.
Parailia Boulenger, 105; orthotype P. CONGICA Boulenger.
Xenochromis Boulenger, 125; orthotype X. HECQUI Boulenger.

1811. BOULENGER (1899). *Second Contribution to the Ichthyology of Lake Tanganyika. On the Fishes Obtained by the Congo Free State Expedition under Lieut. Lemaire in 1898*. Trans. Zool. Soc. London, XV, 87-96.

GEORGE ALBERT BOULENGER.

- Trematocara** Boulenger, 89; orthotype T. MARGINATUM Boulenger.
Grammatotria Boulenger, 90; orthotype G. LEMAIRII Boulenger.
Xenotilapia Boulenger, 92; orthotype X. SIMA Boulenger.

1812. BOULENGER (1899). *Description of a New Genus of Perciform Fishes from the Cape of Good Hope*. Ann. S. African Mus., I, 379-380.

GEORGE ALBERT BOULENGER.

- Atyposoma** Boulenger, 379; orthotype A. GUERNEYI Boulenger.

1813. BOULENGER (1899). *Description of a New Genus of Gobioid Fishes from the Andes of Ecuador*. Ann. Mag. Nat. Hist. (7), IV, 125-126.

GEORGE ALBERT BOULENGER.

- Oreogobius** Boulenger, 125; orthotype O. ROSENBERGI Boulenger.

1814. BOULENGER (1899). *Descriptions of Two New Homalopterine Fishes from Borneo*. Ann. Nat. Hist. (7), IV, p. 228-229.

GEORGE ALBERT BOULENGER.

- Glaniopsis** Boulenger, 228; orthotype G. HANITSCHI Boulenger.

1815. EIGENMANN (1899). *A case of Convergence*. Science IX.

CARL H. EIGENMANN.

- Troglichthys** Eigenmann, 282; orthotype TYPHLICHTHYS ROSÆ Eigenmann (a blind fish from a cave in Missouri).

1816. EVERMANN & MARSH (1899). *Descriptions of New Genera and Species of Fishes from Puerto Rico*. Rept. U. S. Fish Comm. for 1899.

BARTON WARREN EVERMANN; MILLARD CALEB MARSH.

- Gillias** Evermann & Marsh, 357; orthotype G. JORDANI Evermann & Marsh.
Auchenistius Evermann & Marsh, 359; orthotype A. STAHLI Evermann & Marsh.
Coralliozetus Evermann & Marsh, 362; orthotype C. CARDONÆ Evermann & Marsh.

1817. GARMAN (1899). *Reports on an Exploration off the West Coasts of Mexico, Central and South America, and off the Galapagos Islands, in Charge of Alexander Agassiz, by the U. S. Fish Commission Steamer "Albatross" during 1891, Lieut. Commander Z. L. Tanner, U. S. N., Commanding. The Fishes.* Mem. Mus. Harvard, XXIV, 1-431.

SAMUEL GARMAN.

- Centristhmus** Garman, 47; orthotype *C. SIGNIFER* Garman.
Ectreposebastes Garman, 53; orthotype *E. IMUS* Garman.
Dolopichthys Garman, 81; orthotype *D. ALLECTOR* Garman.
Haliutopsis Garman, 89; orthotype *H. TUMIFRONS* Garman.
Dibranchopsis Garman, 96; orthotype *HALIEUTÆA SPONGIOSA* Gilbert.
Dibranchichthys Garman, 99; orthotype *D. NUDIVOMER* Garman.
Bothrocaropsis Garman, 127; orthotype *B. ALALONGA* Garman.
Leucicorus Garman, 146; orthotype *L. LUSCIOSUS* Garman.
Holcomycteronus Garman, 163; orthotype *H. DIGITATUS* Garman.
Eretmichthys Garman, 164; orthotype *E. PINNATUS* Garman.
Pseudonus Garman, 169; orthotype *P. ACUTUS* Garman.
Sciadonus Garman, 171; orthotype *S. PEDICELLARIS* Garman.
Microlepidium Garman, 180; orthotype *LEPIDION VERECUNDUM* Gilbert.
Leptophysis Garman, 182; orthotype *L. FILIFER* Garman.
Lychnopoles Garman, 224; orthotype *L. ARGENTEOLUS* Garman.
Dactylostomias Garman, 279; orthotype *D. FILIFER* Garman.
Congrosoma Garman, 308; orthotype *C. EVERMANNI* Garman.
Atopichthys Garman, 327; logotype *A. ESUNCULUS* Garman. A catchall for unplaced larval eels not known to be young CONGERS.

- 1818-1819. HAY (1899). *On Some Changes in the Names, Generic and Specific, of Certain Fossil Fishes.* Amer. Naturalist, XXXIII, 783-792.

OLIVER PERRY HAY.

- Stemmatias** Hay, 784; logotype *STEMMATODUS CHEIRIFORMIS* St. John & Worthen (fossil). Substitute for *STEMMATODUS* St. John & Worthen, preoccupied by *STEMMATODUS* Heckel.
Hybocladodus Hay, 784; orthotype *HELODUS COMPRESSUS* St. John & Worthen (fossil).
Platyxystrodus Hay, 785; orthotype *COCHLIODUS STRIATUS* Ag. (fossil). Substitute for *XYSTRODUS* (Ag.) Morris & Roberts, preoccupied by *XYSTRODUS* Plieninger (1860).
Polypsephis Hay, 788; orthotype *MICRODON ELEGANS* Ag. Substitute for *MICRODON* Ag., preoccupied in DIPTERA Meigen, 1803; but *PROSCINETES* Gistel (1848) is a still earlier substitute name.
Redfieldius Hay, 789; orthotype *CATOPTERUS GRACILIS* Redfield. Substitute for *CATOPTERUS* Redfield, preoccupied by *CATOPTERUS* Ag.
Grypodon Hay, 790; orthotype *ANCISTRODON TEXANUS* Dames (fossil). Substitute for *ANCISTRODON* Rømer, and *AGKISTRODUS* de Koninck, regarded as preoccupied by *AGKISTRODON* Beauvais (*ANCISTRODON* of authors).

1820. JORDAN & SNYDER (1899). *Notes on a Collection of Fishes from the Rivers of Mexico, with Descriptions of Twenty New Species.* Bull. U. S. Fish Comm. for 1899, 116-147.

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER (1867-).

- Istlarius** Jordan & Snyder, 118; orthotype *I. BALSANUS* Jordan & Snyder.

Xystrosus Jordan & Snyder, 123; orthotype X. POPOCHE Jordan & Snyder.

Falcula Jordan & Snyder, 124; orthotype F. CHAPALÆ Jordan & Snyder.

Xenendum Jordan & Snyder, 127; orthotype X. CALIENTE Jordan & Snyder.

1821. KARPINSKII (1899). *Ueber die Reste von Edestiden und die neue Gattung von Helicoprion*. Mem. Acad. Sci. St. Petersb., VIII (and in other papers).

ALEKSANDR PETROVICH KARPINSKII (1846-).

Helicoprion Karpinskii, 307; orthotype H. BESSENOWI Karpinskii (fossil).

1822. OGILBY (1899). *Contributions to Australian Ichthyology*. Proc. Linn. Soc. New S. Wales, 1899, XXIV, 154-186.

JAMES DOUGLAS OGILBY.

Euristhmus Ogilby, 154; logotype PLOTOSUS ELONGATUS Castelnau.

Ostophycephalus Ogilby, 155; orthotype O. DURICEPS Ogilby.

Austrocobitis Ogilby, 158; orthotype MESITES ATTENUATUS Jenyns. A substitute for MESITES Jenyns, preoccupied; a synonym of GALAXIAS Cuv.

Epinephelides Ogilby, 170; orthotype E. LEAI Ogilby.

Anagramma Ogilby, 175; orthotype CALLANTHIAS ALLPORTI Gthr. A synonym of CALLANTHIAS Gthr.

1823-1824. PRIEM (1899). *Sur des poissons fossiles éocènes d'Égypte et de Roumanie, et rectification relative à Pseudolates heberti (Gervais)*. Bull. Soc. Geol. France, 1899, 3 ser. XXVII, 241-252.

FERNAND PRIEM.

Scorpænoïdes Priem, 248; orthotype S. POPOVICII Priem. (fossil). (Not SCORPÆNODES Blkr.)

Prolates Priem, 252; orthotype LATES HEBERTI Gervais (fossil). A substitute for PSEUDOLATES Priem, preoccupied.

1825. SMITT (1899). *Preliminary Notes on the Arrangement of the Genus Gobius, with an Enumeration of Its European Species*. Ofv. Vet. Ak. Forh., 1899, 543-555.

FREDERIK ADAM SMITT (1839-1904).

Caffrogobius Smitt, 540; orthotype GOBIUS NUDICEPS Cuv. & Val.

Lebistes Smitt, 543; orthotype L. SCORPIOIDES Smitt. Not LEBISTES Filippi, 1862.

Mugilogobius Smitt, 543; for "Indian & Japanese Species," no type named, but in a personal letter in 1903 Dr. Smitt stated to me that his type species was the one named CTENOGOBIUS ABEI Jordan & Snyder. Accepting this version, MUGILOGOBIUS is substantially the same as VAIMOSA Jordan & Seale, which name it may replace.

Mapo Smitt, 543; orthotype GOBIUS SOPORATOR Cuv. & Val. A synonym of BATHYGOBIUS Blkr.

Proterorhinus Smitt, 544; orthotype GOBIUS MARMORATUS Pallas.

Eichwaldia Smitt, 545; orthotype GOBIUS CASPIUS Eichwald.

1826. STEWART (1899). *Leptichthys, a New Genus of Fishes from the Cretaceous of Kansas*. Amer. Geologist, XXIV.

ALBAN F. STEWART.

Leptichthys Stewart, 78; orthotype L. AGILIS Stewart (fossil).

1827. TRAQUAIR (1899). *Report on Fossil Fishes Collected by the Geological Survey of Scotland in the Silurian Rocks of the South of Scotland*. Trans. Roy. Soc. Edinburgh, XXXIX, 827-864.

RAMSAY HEATLEY TRAQUAIR.

Lanarkia Traquair, 832; logotype *L. HORRIDA* Traquair (fossil).

Ateleaspis Traquair, 834; orthotype *A. TESSELLATA* Traquair (fossil).

Birkenia Traquair, 837; orthotype *B. ELEGANS* Traquair (fossil).

Lasanius Traquair, 840; logotype *L. PROBLEMATICUS* Traquair (fossil).

1828. VARPACHOVSKII (1899). *Sur la faune ichthyologique de la fleuve Obi*. Ann. Mus. Acad. Imp. St. Petersb.

NICOLAI ARCADEVICH VARPACHOVSKII.

Oreoleuciscus Varpachovskii, 263; orthotype *CHONDROSTOMA POTANINI* Kessler.

1829. WAITE (1899). *Scientific Results of the Trawling Expedition of H. M. C. C. S. "Thetis." Fishes*. Mem. Austr. Mus., IV, 1-132.

EDGAR RAVENSWOOD WAITE (1866-).

Paratrachichthys Waite, 64; orthotype *TRACHICHTHYS TRAILLI* Hutton.

Pterygotrigla Waite, 108; orthotype *TRIGLA POLYOMMATA* Rich. Replaces *HOPLONOTUS* Guichenot, preoccupied, apparently same as *OTOHIME* Jordan & Starks of later date.

1830. WILLISTON (1899). *A New Genus of Fishes from the Niobara Cretaceous*. Kans. Univ. Quarterly, 1899, VIII, 113-115.

SAMUEL WENDALL WILLISTON (1852-1918).

Leptecodon Williston, 113; orthotype *L. RECTUS* Williston (fossil).

1831. WOODWARD (1899). *Additional Notes on Some Type Specimens of Cretaceous Fishes from Mount Lebanon in the Edinburgh Museum of Science and Art*. Ann. Mag. Nat. Hist. (7), IV, 317-321.

ARTHUR SMITH WOODWARD.

Nematonotus Woodward, 318; orthotype *CLUPEA BOTTÆ* Pictet & Humbert (fossil).

1832. WOODWARD (1899). *Note on Some Cretaceous Clupeoid Fishes with Pectinated Scales. (Ctenothrissa and Pseudoberyx.)* Ann. Mag. Nat. Hist. 1899, (7), III, 489-492.

ARTHUR SMITH WOODWARD.

Ctenothrissa Woodward, 490; orthotype *BERYX VEXILLIFER* Pictet (fossil).

1900.

1833. BOULENGER (1900). *On Some Little Known African Siluroid Fishes of the Subfamily Doradinæ*. Ann. Mag. Nat. Hist. (7), VI, 520-529.

GEORGE ALBERT BOULENGER.

Euchilichthys Boulenger, 523; logotype *ATOPOCHILUS GUENTHERI* Schilthuis.

Phractura Boulenger, 527; orthotype *PELTURA BOVEI* Perugia. Substitute for *PELTURA* Perugia, regarded as preoccupied by *PELTOURA*, 1840.

Andersonia Boulenger, 528; orthotype *A. LEPTURA* Boulenger.

1834. BOULENGER (1900). *Matériaux pour la faune du Congo. Poissons nouveaux du Congo. Sixième Partie*. Ann. Mus. Congo. Zool., I, 129-164.

GEORGE ALBERT BOULENGER.

Leptocypris Boulenger, 133; orthotype *L. MODESTUS* Boulenger.

Spathodus Boulenger, 152; orthotype *S. ERYTHRODON* Boulenger.

1835. BRAUER (1900). *Aus der Tiefen des Weltmeeres* (by Prof. Carl Chun). *Schilderung von der deutschen Tiefsee-Expedition*. Jena, 1900, 549 pp.

AUGUST BRAUER.

Megalopharynx Brauer, 521; orthotype *M. LONGICAUDATUS* Brauer.

1836. DELFIN (1900). *Nota del Ictiologia. El nuevo jenero Cilus*. Act. Soc. Chili, X, 53-60.

FREDERICO TEOBALDO DELFIN.

Cilus Delfin, 56; orthotype *C. MONTII* Delfin.

1837. DOLLO (1900). *Cryodraco antarcticus, poisson abyssal nouveau, recueilli par l'expédition antractique belge, etc.* Bull. Ac. Belgique, 1900, 128-137.

LOUIS DOLLO (1857-).

Cryodraco Dollo, 129; orthotype *C. ANTARCTICUS* Dollo.

1838. DOLLO (1900). *Gerlachea australis, poisson abyssal nouveau recueilli par l'expédition antarctique belge, etc.* Bull. Ac. Belgique, 1900, 194-206.

LOUIS DOLLO.

Gerlachea Dollo, 195; orthotype *G. AUSTRALIS* Dollo.

1839. DOLLO (1900). *Racovitzia glacialis, poisson abyssal nouveau recueilli par l'expédition antarctique belge, etc.* Bull. Ac. Belgique, 1900, 316-327.

LOUIS DOLLO.

Racovitzia Dollo, 317; orthotype *R. GLACIALIS* Dollo.

1840. EIGENMANN & NORRIS (1900). *Sobre algunos peixes de S. Paulo, Brazil*. Revista Mus. Paulista, IV, 1900, 349-362.

CARL H. EIGENMANN; ALLEN A. NORRIS.

Imparfinis Eigenmann & Norris, 351; orthotype *I. PIPERATUS* Eigenmann & Norris.

Goeldiella Eigenmann & Norris, 353; orthotype *PIMELODUS EQUUS* M. & T.

Iheringichthys Eigenmann & Norris, 354; orthotype *PIMELODUS LABROSUS* Kröyer.

Perugia Eigenmann & Norris, 355; orthotype *PIRINAMPUS AGASSIZI* Steind.

Bergiella Eigenmann & Norris, 355; orthotype *PIMELODUS WESTERMANNI* Reinh.

Catabasis Eigenmann & Norris, 358; orthotype *C. ACUMINATUS* Eigenmann & Norris.

1841. GILBERT (1900). *Results of the Branner-Agassiz Expedition to Brazil. III. The Fishes*. Proc. Wash. Ac., II, 161-184.

CHARLES HENRY GILBERT.

Brannerella Gilbert, 180; orthotype *B. BRASILIENSIS* Gilbert.

1842. JORDAN (1900). *Notes on Recent Fish Literature*. Amer. Naturalist, XXXIV, 897-899.

DAVID STARR JORDAN.

Dolloa Jordan, 897; orthotype *CORYPHÆNOIDES LONGIFILIS* Gthr. Substitute for *MOSELEYA* G. & B., preoccupied.

1843. JORDAN & EVERMANN (1900). *The Fishes of North & Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates Found in the Waters of North America, North of the Isthmus of Panama*. Part IV, Bull. U. S. Nat. Mus., No. 47, 3137-3313.

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Orcula Jordan & Evermann, 3140; orthotype *NOTROPIS ORCA* Woolman. A substitute for *ORCELLA* J. & E., preoccupied in CETACEA.

Rhegma (Gilbert) Jordan & Evermann, 3169; orthotype *R. THAUMASIUM* Gilbert.

1844. JORDAN & SNYDER (1900). *A List of Fishes Collected in Japan by Keinosuke Otaki, and by the United States Steamer "Albatross," with Descriptions of Fourteen New Species.* Proc. U. S. Nat. Mus., XXIII, 335-380. (Dec. 20, 1890.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Otakia Jordan & Snyder, 345; orthotype *O. RASBORINA* Jordan & Snyder.

Ischikauia Jordan & Snyder, 346; orthotype *OPSARIICHTHYS STEENACKERI* Sauvage.

Konosirus Jordan & Snyder, 349; orthotype *CHATOËSSUS NASUS* Bloch. A synonym of *CLUPANODON* Lac., as now properly restricted.

Bryttosus Jordan & Snyder, 354; orthotype *SERRANUS KAWAMEBARI* T. & S.

Eteliscus Jordan & Snyder, 355; orthotype *ETELIS BERYCOIDES* Hilgendorf. Equivalent to *CORUSCULUS* Jordan & Snyder. Both are synonyms of *DODERLEINIA* Steind.

Insidiator Jordan & Snyder, 368; orthotype *PLATYCEPHALUS RUDIS* Gthr. = *PLATYCEPHALUS MEERDERVOORTI* Blkr.

Trifissus Jordan & Snyder, 373; orthotype *T. IOTURUS* Jordan & Snyder. A synonym of *TRIDENTIGER* Gill.

Rhombiscus Jordan & Snyder, 379; orthotype *RHOMBUS CINNAMOMEUS* T. & S. A synonym of *PSEUDORHOMBUS* Blkr.

Kareius Jordan & Snyder, 379; orthotype *PLEURONECTES SCUTIFER* Steind.

Usinosita Jordan & Snyder, 380; orthotype *PLAGUSIA JAPONICA* T. & S., misprinted *USINOSTIA*. A synonym of *RHINOPLAGUSIA* Blkr.

Zebrias Jordan & Snyder, 380; orthotype *SOLEA ZEBRINA* T. & S.

Areliscus Jordan & Snyder, 380; orthotype *SOLEA JOYNERI* Gthr.

1845. KYLE (1900). *On a New Genus of Flat-Fishes from New Zealand.* Proc. Zool. Soc. London, 1900, 986-992.

HARRY M. KYLE.

Apsetta Kyle, 986; orthotype *A. THOMPSONI* Kyle.

1846. LOOMIS (1900). *Die Anatomie und die Verwandtschaft der Ganoid-und-Knochen-Fische aus der Kreide-Formation von Kansas, U. S. A.* Palæontogr., XLVI, 213-284.

FREDERICK BREWSTER LOOMIS (1873-).

Pseudothryptodus Loomis, 225; orthotype *P. INTERMEDIUS* Loomis (fossil).

Thryptodus Loomis, 229; logotype *PLETHODUS ZITTELI* Loomis (fossil). Apparently replaces *ANOGMIUS* Cope, 1877 (*A. ARATUS*), not of 1871 (*A. CONTRACTUS*).

Syntegomodus Loomis, 252; orthotype *S. ALTUS* Loomis (fossil).

1847. NIKOLSKII (1900). *Pseudoscaphirhynchus rossikowi n. gen. et spec.* Ann. Mus. St. Petersb., IV, 257-259.

ALEKSANDR MIKHAILOVICH NIKOLSKII.

Pseudoscaphirhynchus Nikolskii, 257; orthotype *P. ROSSIKOWI* Nikolskii = *SCAPHIRHYNCHUS HERMANNI* (Sewertov) Kessler. A synonym of *KESSLERIA* Bogdanow.

1848. PELLÉGRIN (1900). *Poissons nouveaux ou rares du Congo Français.* Bull. Mus. Paris, 1900, 175-176, 348-354.

JACQUES PELLÉGRIN.

Mesoborus Pellégrin, 179; orthotype *M. CROCODILUS* Pellégrin.

Hemistichodus Pellégrin, 352; orthotype *H. VAILLANTI* Pellégrin. Replaces *MONOSTICHODUS* Vaillant, said to be "nomen nudum."

Monostichodus (Vaillant) Pellégrin, 352; orthotype (*HEMISTICHODUS VAILLANTI* Pellégrin). A "nomen nudum" quoted by Pellégrin, said to be synonymous with *HEMISTICHODUS*.

1849. PELLÉGRIN (1900). *Poisson nouveau du lac Baikal*. Bull. Mus. Paris, 1900, 354-356.

JACQUES PELLÉGRIN.

Cottocomephorus Pellégrin, 354; orthotype *C. MEGALOPS* Pellégrin.

1850. WAITE (1900). *Additions to the Fish-Fauna of Lord Howe Island*. Rec. Austr. Mus., III, 193-209.

EDGAR RAVENSWOOD WAITE.

Acanthocaulus Waite, 206; orthotype *PRIONURUS MICROLEPIDOTUS* Lac. A substitute for *PRIONURUS* Lac., 1804, wrongly supposed to be preoccupied, the date of the latter being assumed as 1830, the time of a reprint.

Euchilomycterus Waite, 208; orthotype *E. QUADRATICATUS* Waite.

1851. WILLISTON (1900). *Some Fossil Teeth from the Kansas Cretaceous*. Kansas Quart., VIII, 27-42.

SAMUEL WENDALL WILLISTON.

Leptostyrax Williston, 42; orthotype *L. BISCUSPIDATUS* Williston (fossil).

1852. WOODWARD (1900). *On a New Ostracoderm (Euphanerops longævus) from the Upper Devonian of Scaumenac Bay, Province of Quebec, Canada*. Ann. Mag. Nat. Hist. (7), V, 416-419.

ARTHUR SMITH WOODWARD.

Euphanerops Woodward, 416; orthotype *E. LONGÆVUS* Woodw. (fossil).

1853. WOODWARD (1900). *Evidence of an Extinct Eel (Urenchelys anglicus) from the Upper Devonian of Scaumenac Bay, Province of Quebec, Canada*. Ann. Mag. Nat. Hist. (7), V, 321-323.

ARTHUR SMITH WOODWARD.

Urenchelys Woodward, 322; logotype *ANGUILLA HAKELENSIS* Davis (fossil).

Pronotacanthus Woodward, 322; orthotype *ANGUILLA SAHEL-ALMÆ* Davis (fossil).

1854. ZITTEL (1900). *Handbuch der Palæontologie, III*. Pt. XII, 1890.

KARL A. ZITTEL.

Phlyctænum Zittel, 159; orthotype *COCCOSTEUS ACADICUS* Whiteaves (fossil). A substitute for *PHLYCTÆNIUS* Traquair, preoccupied, but *PHLYCTÆNASPIS* Traquair, 1890, has priority.

1901.

1855. ABBOTT (1901). *List of Fishes Collected in the River Pei-Ho at Tien-Tsin, China, by Noah Fields Drake, with Descriptions of Seven New Species*. Proc. U. S. Nat. Mus., XXIII, 483-491. (February 25, 1901.)

JAMES FRANCIS ABBOTT (1876-).

Culticula Abbott, 485; orthotype *C. EMMELAS* Abbott.

1856. AMMON (1901). *Ueber eine Tiefbohrung durch den Buntsandstein und die Zechsteinschichten bei Meelrichstadt an der Rhön.* Geogn. Jahresb. München, XIII.

LUDWIG VON AMMON.

Ephippites Von Ammon, 59; orthotype *E. PEISSENBERGIENSIS* Ammon (fossil).

1857. BOULENGER (1901). *Third Contribution to the Ichthyology of Lake Tanganyika. Report on the Collection Made by Mr. J. E. S. Moore in Lake Tanganyika and Kivu during His Second Expedition, 1899-1900.* Trans. Zool. Soc. London, XVI, 137-178.

GEORGE ALBERT BOULENGER.

Gephyrochromis Boulenger, 156; orthotype *G. MOORII* Boulenger.

Asprotilapia Boulenger, 159; orthotype *A. LEPTURA* Boulenger.

1858. BOULENGER (1901). *Diagnosis of New Fishes Discovered by Mr. W. L. S. Loat in the Nile.* Ann. Mag. Nat. Hist. (7), VII, 444-446.

GEORGE ALBERT BOULENGER.

Cromeria Boulenger, 445; orthotype *C. NILOTICA* Boulenger.

Physailia Boulenger, 445; orthotype *P. PELLUCIDA* Boulenger.

1859. BOULENGER (1901). *Notes on the Classification of Teleostean Fishes. I. On the Trachinidæ and Their Allies.* Ann. Mag. Nat. Hist. (7), VII, 261-271.

GEORGE ALBERT BOULENGER.

Rhyacichthys Boulenger, 267; orthotype *P. ASPRO* Van Hasselt. A substitute for *PLATYPTERA* (Kuhl & Van Hasselt) Cuv. & Val.; preoccupied in files, Meigen, 1803.

1860. BOULENGER (1901). *On the Fishes Collected by Dr. W. J. Ansorge in the Niger Delta.* Proc. Zool. Soc. London, 1901, 4-10.

GEORGE ALBERT BOULENGER.

Polycentropsis Boulenger, 8; orthotype *P. ABBREVIATA* Boulenger.

1861. BOULENGER (1901). *On Some Deep-Sea Fishes Collected by Mr. F. W. Townsend in the Sea of Oman.* Ann. Mag. Nat. Hist. (7), VII, 261-263.

GEORGE ALBERT BOULENGER.

Parascolopsis Boulenger, 262; orthotype *P. TOWNSENDI* Boulenger.

1862. BRAUER (1901). *Ueber einige von der Valdivia-Expedition gesammelte Tiefseefische und ihre Augen.* Sitzber. Ges. Marburg, 1901, 115-130.

AUGUST BRAUER.

Winteria Brauer, 126; orthotype *W. TELESCOPA* Brauer.

Dolichopteryx Brauer, 127; orthotype *D. LONGIPES* Brauer.

Gigantura Brauer, 128; orthotype *G. CHUNI* Brauer.

1863. COLLETT (1901). *Om fem for Norges fauna nye fiske.* Arch. Math. Naturv. Christiania, XXIII, 125.

ROBERT COLLETT.

Bathyalopex Collett, 5; orthotype *CHIMÆRA MIRABILIS* Collett.

- 1863A. DEAN (1901). *Further Notes on the Relationships of the Arthrognathi.* Palæontological Notes. Mem. N. Y. Acad. Sci., II, 110 to 123.

BASHFORD DEAN (1867-).

Selenosteus Dean, 110; orthotype *S. KEPLERI* Dean (fossil).

Stenosteus Dean, 110; orthotype *S. GLABERI* Dean (fossil).

1864. EIGENMANN & NORRIS (1901). *Bergiaria*. Comun. Mus. Buenos Aires, 272.

CARL H. EIGENMANN; ALLEN A. NORRIS.

Bergiaria Eigenmann & Norris, 272; orthotype *PIMELODUS WESTERMANNI* Reinh. Substitute for *BERGIELLA* Eigenmann & Norris, preoccupied.

1865. FOWLER (1901). *Description of a New Hemiramphid*. Proc. Acad. Nat. Sci. Phila., 1901, 293-294.

HENRY WEED FOWLER.

Hemiexocætus Fowler, 293; orthotype *H. CAUDIMACULATUS* Fowler.

1866. FOWLER (1901). *Note on the Odontostomidae*. Proc. Acad. Nat. Sci. Phila., 1901, 211-212.

HENRY WEED FOWLER.

Evermanella Fowler, 211; orthotype *ODONTOSTOMUS HYALINUS* Cocco. Substitute for *ODONTOSTOMUS* Cocco, preoccupied in Mollusks, Beck, 1837.

1867. GARMAN (1901). *Genera and Families of Chimæroids*. Proc. New England Zool. Club, II, 75-77.

SAMUEL GARMAN.

Rhinochimæra Garman, 75; orthotype *HARRIOTTA PACIFICA* Mitsukuri.

1868. GILL & TOWNSEND (1901). *The Largest Deep-Sea Fish*. Science (2), XIV, 937-938.

THEODORE NICHOLAS GILL; CHARLES HASKINS TOWNSEND (1859-).

Macrias Gill & Townsend, 937; orthotype *M. AMISSUS* Gill & Townsend.

1869. GREELEY (1901). *Notes on the Tide-Pool Fishes of California, with a Description of Four New Species*. Bull. U. S. Fish Comm., XIX, 7-20.

ARTHUR WHITE GREELEY (1875-1904).

Rusciculus Greeley, 13; orthotype *R. RIMENSIS* Greeley.

Dialarchus Greeley, 14; orthotype *D. SNYDERI* Greeley.

Eximia Greeley, 18; orthotype *E. RUBELLIO* Greeley. Name preoccupied: Karl Jordan, 1894; it may be replaced by the new name *GREELEYA* Jordan, in honor of the very able young naturalist, discoverer of the species.

1870. JENKINS (1901). *Descriptions of Fifteen New Species of Fishes from the Hawaiian Islands*. Bull. U. S. Fish Comm., XIX, 387-407.

OLIVER PEEBLES JENKINS (1850-).

Eumycterias Jenkins, 399; orthotype *E. BITÆNIATUS* Jenkins. A synonym of *CANTHIGASTER* Sw.

Scaridea Jenkins, 468; orthotype *S. ZONARCHA* Jenkins.

1871. JORDAN & SNYDER (1901). *Descriptions of Three New Species of Fishes from Japan*. Proc. Calif. Acad. Sci. (3), II, 381-386.

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Ereunias Jordan & Snyder, 377; orthotype *E. GRALLATOR* Jordan & Snyder.

Draciscus Jordan & Snyder, 379; orthotype *D. SACHI* Jordan & Snyder.

1872. JORDAN & SNYDER (1901). *List of Fishes Collected in 1883 and 1885 by Pierre Louis Jouy and preserved in the United States National Museum, with Descriptions of Six New Species*. Proc. U. S. Nat. Mus., XXIII, 740-769. (July 21, 1901.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

- Chasmias** Jordan & Snyder, 761; orthotype *C. MISAKIUS* Jordan & Snyder. Name preoccupied, replaced by *CHASMICHTHYS* Jordan & Snyder.
- Watasea** Jordan & Snyder, 765; orthotype *W. SIVICOLA* Jordan & Snyder.
1873. JORDAN & SNYDER (1901). *A Preliminary Check-List of the Fishes of Japan*. Annot. Zool. Jap., III, 31-159.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Corusculus** Jordan & Snyder, 75; orthotype *ANTHIAS BERYCOIDES* Hilgendorf. A synonym of *DODERLEINIA* Steind., the definition being that of *ETELISCUS* duplicated by accident.
1874. JORDAN & SNYDER (1901). *Descriptions of Nine New Species of Fishes Contained in Museums of Japan*. Journ. Coll. Sci. Tokyo, XV, 301-311.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Bentenia** Jordan & Snyder, 306; orthotype *B. ÆSTICOLA* Jordan & Snyder.
- Ebibus** Jordan & Snyder, 308; orthotype *E. SAGAMIUS* Jordan & Snyder. A synonym of *ERILEPIS* Gill.
1875. JORDAN & SNYDER (1901). *Fishes of Japan*. Am. Nat., XXXV.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Chasmichthys** Jordan & Snyder, 941; orthotype *CHASMIAS MISAKIUS* Jordan & Snyder. Substitute for *CHASMIAS* Jordan & Snyder, preoccupied.
1876. JORDAN & SNYDER (1901). *A Review of the Apodal Fishes of Japan, with Descriptions of Nineteen New Species*. Proc. U. S. Nat. Mus., XXIII, 837-890. (Aug. 28, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Chlevastes** Jordan & Snyder, 867; orthotype *OPHICHTHYS COLUBRINUS* Boddaert.
- Xyrias** Jordan & Snyder, 868; orthotype *X. REVULSUS* Jordan & Snyder.
- Æmasia** Jordan & Snyder, 883; orthotype *Æ. LICHENOSA* Jordan & Snyder.
- Scuticaria** Jordan & Snyder, 886; orthotype *ICHTHYOPHIS TIGRINUS* Lesson.
1877. JORDAN & SNYDER (1901). *A Review of the Gobioid Fishes of Japan, with Descriptions of Twenty-one New Species*. Proc. U. S. Nat. Mus., XXIV, 33-132. (Sept. 25, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Vireosa** Jordan & Snyder, 38; orthotype *V. HANÆ* Jordan & Snyder.
- Hazeus** Jordan & Snyder, 51; orthotype *H. OTAKII* Jordan & Snyder. A synonym of *GNATHOLEPIS* Blkr.
- Chloëa** Jordan & Snyder, 78; orthotype *GOBIOUS CASTANEA* O'Shaughnessy. Not *CHLOEIA* Savigny, 1817, a genus of worms. *CHLOËA* is a personal name.
- Suruga** Jordan & Snyder, 96; orthotype *S. FUNDICOLA* Jordan & Snyder.
- Sagamia** Jordan & Snyder, 100; orthotype *S. RUSSULA* Jordan & Snyder.
- Ainosus** Jordan & Snyder, 109; orthotype *GOBIOUS GENEIONEMA* Hilgendorf.
- Astrabe** Jordan & Snyder, 119; orthotype *A. LACTISELLA* Jordan & Snyder.
- Clariger** Jordan & Snyder, 120; orthotype *C. COSMURUS* Jordan & Snyder.
- Eutæniichthys** Jordan & Snyder, 122; orthotype *E. GILLI* Jordan & Snyder.
1878. JORDAN & SNYDER (1901). *A Review of the Hypostomide and Lophobranchiate Fishes of Japan*. Proc. U. S. Nat. Mus., XXIV, 1-20. (Oct. 1, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Zalises** Jordan & Snyder, 2; orthotype *Z. UMITENGU* Jordan & Snyder. A synonym of *PEGASUS* L.

- Yozia** Jordan & Snyder, 8; orthotype *Y. WAKANOURÆ* Jordan & Snyder.
1879. JORDAN & SNYDER (1901). *A Review of the Cardinal Fishes of Japan*. Proc. U. S. Nat. Mus., XXIII, 891-913. (Oct. 12, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
- Telescopias** Jordan & Snyder, 909; orthotype *T. GILBERTI* Jordan & Snyder.
1880. JORDAN & STARKS (1901). *Descriptions of Three New Species of Fishes from Japan*. Proc. Calif. Acad. Sci. (3), II, 381-386.
DAVID STARR JORDAN; EDWIN CHAPIN STARKS (1867-).
- Snyderina** Jordan & Starks, 381; orthotype *S. YAMANOKAMI* Jordan & Starks.
1881. JORDAN & STARKS (1901). *A Review of the Atherine Fishes of Japan*. Proc. U. S. Nat. Mus., XXIV, 198-206. (Oct. 4, 1901.)
DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
- Atherion** Jordan & Starks, 203; orthotype *A. ELYMUS* Jordan & Starks.
- Iso** Jordan & Starks, 204; orthotype *I. FLOS-MARIS* Jordan & Starks. Replaces *TROPIDOSTHETHUS* Ogilby, preoccupied.
1882. LAUBE. (1901). *Synopsis der Wirbelthierfauna der Böhmisches Braun-
koklenformation und Beschreibung neuer, oder bisher unvollständig bekannter
Arten*. Prag., 1901, 80 pp.
GUSTAVE CARL LAUBE (1839-).
- Protothymallus** Laube, 23; orthotype *THAUMATURUS LUSATUS* Laube (fossil).
1883. TRAQUAIR (1901). *Notes on the Lower Carboniferous Fishes of Eastern
Fifeshire*. Geol. Mag. (2), Dec., IV, VIII, 110-114.
RAMSAY HEATLEY TRAQUAIR.
- Eucentrurus** Traquair, 114; orthotype *E. PARADOXUS* Traquair (fossil).
1884. WELLBURN (1901). *On the Fish Fauna of the Millstone Grits of Great
Britain*. Geol. Mag. (2), Dec. IV, 216-222.
EDGAR D. WELLBURN.
- Euctenodopsis** Wellburn, 220; orthotype *E. TENUIS* Wellburn (fossil).
1885. WILLEY (1901). *Dolichorhynchus indicus, a New Acraniate*. Quart. Journ.
Micr. Sci. (2), XLIV, 269-271.
ARTHUR WILLEY (1867-).
- Dolichorhynchus** Willey, 269; orthotype *D. INDICUS* Willey.
1886. WOODWARD (1901). *Catalogue of Fossil Fishes in the British Museum
Natural Hist.* Part IV, etc., 636 pp.
ARTHUR SMITH WOODWARD.
- Elopides** (Agassiz) Woodward, 23; orthotype *E. COULONI* Ag. (fossil). Printed as
name only in *Poissons Fossiles*, V, 1844, 139. A fossil homologue of *ELOPS* L.
- Notelops** Woodward, 27; orthotype *RHACOLEPIS BRAMA* Ag. = *CALAMOPLEURUS
CYLINDRICUS* Ag. (fossil). A synonym of *CALAMOPLEURUS* Ag.
- Esocelops** Woodward, 46; orthotype *EURYGNATHUS CAVIFRONS* Ag. (fossil). A sub-
stitute for *EURYGNATHUS* Ag., preoccupied.
- Chanoides** Woodward, 63; orthotype *CLUPEA MACROPOMA* Ag. (fossil).
- Brychætus** Woodward, 76; orthotype *B. MUELLERI* Woodw. (fossil). Name only in
1845; validated in 1901.
- Histiothrissa** Woodward, 131; orthotype *SARDINIUS MACRODACTYLUS* Von der
Marck (fossil).

- Halecopsis** Woodward, 133; orthotype *OSMEROIDES INSIGNIS* Delvaux & Ortlieb (fossil).
- Apateodus** Woodward, 258; orthotype *PACHYRHIZODUS GLYPHODUS* Blake (fossil).
- Pachylebias** Woodward, 294; orthotype *LEBIAS CRASSICAUDATUS* Ag. (fossil).
- Rhynchorhinus** (Agassiz) Woodward, 342; orthotype *R. BRANCHIALIS* Ag. (fossil).
Name printed without explanation in 1844.
- Protaulopsis** Woodward, 371; orthotype *P. BOLCENSIS* Woodward (fossil).
- Dinopteryx** Woodward, 406; orthotype *HOPLOPTERYX SPINOSUS* Davis (fossil).
- Isurichthys** Woodward, 453; logotype *ISURUS MACRURUS* Ag. (fossil). Name a substitute for *ISURUS* Ag., preoccupied.
- Eothygnus** Woodward, 457; orthotype *CÆLOCEPHALUS SALMONEUS* Ag. (fossil).
Name a substitute for *CÆLOCEPHALUS* Ag., undefined and preoccupied by Clark, 1860, in *COLEOPTERA*.
- Phalacrus** (Agassiz) Woodward, 458; orthotype *P. CYBIOIDES* Ag. (fossil). Note on type specimen. A synonym of *EOTHYNNUS* Woodward.
- Cariniceps** (Owen) Woodward, 458; orthotype *C. COMPRESSUS* Owen (fossil). Note on type specimen. A synonym of *EOTHYNNUS* Woodw.
- Rhonchus** (Agassiz) Woodward, 458; orthotype *R. CARANGOIDES* Ag. (fossil).
Note on type specimen. A synonym of *EOTHYNNUS* Woodw.
- Scombrinus** (Agassiz) Woodward, 461; orthotype *S. NUCHALIS* Ag. (fossil). Validation of a nomen nudum printed in 1845.
- Eocœlopoma** Woodward, 470; orthotype *E. COLEI* Woodw. (fossil).
- Scombramphodon** Woodward, 474; orthotype *AMPHODON BENEDENI* Storms (fossil).
Replaces *AMPHODON* Storms, 1887, regarded as preoccupied by *AMPHODUS* Peters, 1872.
- Acestrus** (Agassiz) Woodward, 494; orthotype *A. ORNATUS* Woodw. (fossil). Nomen nudum as printed in 1845, validated in 1901; perhaps to be regarded as preoccupied by *ACESTRA* Jardine, 1831.
- Auchenilabrus** (Agassiz) Woodward, 552; orthotype *A. FRONTALIS* Ag. Name only, reprinted from Agassiz, 1845, 308, when it is also nomen nudum.
- Eocottus** Woodward, 580; orthotype *GOBIUS VERONENSIS* Volta (fossil).

 1902.

1887. BOULENGER (1902). *Report on the Collection of Natural History Made in the Antarctic Regions during the Voyage of the "Southern Cross."* Pisces, London, 174-189.

GEORGE ALBERT BOULENGER.

- Pleuragramma** Boulenger, 187; orthotype *P. ANTARCTICUM* Boulenger. Not *PLEUROGRAMMUS* Gill.

1888. BOULENGER (1902). *Additions à la faune ichthyologique du Bassin du Congo.* Ann. Mus. Cong. Zool., II, 19-57.

GEORGE ALBERT BOULENGER.

- Microthrissa** Boulenger, 26; orthotype *M. ROYAUXI* Boulenger.
- Leptoglanis** Boulenger, 42; orthotype *L. XENOGNATHUS* Boulenger.
- Paraphractura** Boulenger, 47; orthotype *P. TENUICAUDA* Boulenger.
- Trachyglanis** Boulenger, 48; orthotype *T. MINUTUS* Boulenger.
- Belonoglanis** Boulenger, 50; orthotype *B. TENUIS* Boulenger.

1889. BOULENGER (1902). *Descriptions of New Characinid Fish Discovered by Dr. W. J. Ansorge in Southern Nigeria*. Ann. Mag. Nat. Hist. (7), IX, 144-145.

GEORGE ALBERT BOULENGER.

Citharidium Boulenger, 144; orthotype *C. ANSORGII* Boulenger.

1890. BOULENGER (1902). *Description of a New Deep-Sea Gadid Fish from South Africa*. Ann. Mag. Nat. Hist. (7), IX, 335-336.

GEORGE ALBERT BOULENGER.

Tripterophycis Boulenger, 335; orthotype *T. GILCHRISTI* Boulenger.

1891. BOULENGER (1902). *Notes on the Classification of Teleostean Fishes*. Ann. Mag. Nat. Hist. (7), IX, 197-204.

GEORGE ALBERT BOULENGER.

Geophyroberyx Boulenger, 203; orthotype *TRACHICHTHYS DARWINI* Johnston.

1892. BOULENGER (1902). *Description of a New South-African Galeid Selachian*. Ann. Mus. Nat. Hist. (7), X, 52-63.

GEORGE ALBERT BOULENGER.

Scylliogaleus Boulenger, 51; orthotype *S. QUECKETTI* Boulenger.

1893. BOULENGER (1902). *Diagnoses of New Cichlid Fishes Discovered by Mr. J. E. S. Moore in Lake Njassa*. Ann. Mag. Nat. Hist. (7), 69-71.

GEORGE ALBERT BOULENGER.

Hemitilapia Boulenger, 70; orthotype *H. OXYRHYNCHUS* Boulenger.

Cyrtocara Boulenger, 70; orthotype *C. MOORI* Boulenger.

1894. BOULENGER (1902). *On the Genus Ateleopus of Schlegel*. Ann. Mag. Nat. Hist. (7), X, 402-403.

GEORGE ALBERT BOULENGER.

Podateles Boulenger, 403; orthotype *ATELEOPUS JAPONICUS* Blkr. Substitute for *ATELEOPUS* T. & S., regarded as preoccupied by *ATELOPUS* Duméril & Bibron, a genus of reptiles.

1895. BOULENGER (1902). *Contributions to the ichthyology of the Congo*. Proc. Zool. Soc. London, 1902, 234-237.

GEORGE ALBERT BOULENGER.

Allabenchelys Boulenger, 234; orthotype *A. LONGICAUDA* Boulenger.

Chilochromis Boulenger, 236; orthotype *C. DUPONTI* Boulenger.

1896. BRAUER (1902). *Diagnosen von neuen Tiefseefischen welche von der Valdivia-Expedition gesammelt sind*. Zool. Anz., XXV, 277-298.

AUGUST BRAUER.

Dissomma Brauer, 278; orthotype *D. ANALE* Brauer.

Triplophos Brauer, 282; orthotype *T. ELONGATUS* Brauer.

Macrostomias Brauer, 283; orthotype *M. LONGIBARBATUS* Brauer.

Melanostomias Brauer, 284; orthotype *M. VALDIVIÆ* Brauer.

Bathylynchus Brauer, 289; orthotype *B. CYNÆUS* Brauer.

Macropharynx Brauer, 290; orthotype *M. LONGICAUDATUS* Brauer. Called *MEGALOPHARYNX* by Brauer in 1900.

Cœlophrys Brauer, 291; orthotype *C. BREVICAUDATA* Brauer.

Gigantactis Brauer, 295; orthotype *G. VANHOEFFENI* Brauer.

Aceratias Brauer, 296; logotype *A. MACRORHYNCHUS* Brauer.

Stylophthalmus Brauer, 298; orthotype *S. PARADOXUS* Brauer.

1897. EASTMAN (1902). *On Campyloprion, a New Form of Edestus-like Dentition*. Geol. Mag. (8), IX, 148-152.

CHARLES ROCHESTER EASTMAN.

Campyloprion Eastman, 151; orthotype *C. ANNECTENS* Eastman (fossil). Shark, locality unknown.

1898. FRITSCH & BAYER (1902). *Nové Ryby Ceskeho útvaru Krédovéhoho*. Ceska Ak. Preze, II, 1-18.

ANTON FRITSCH; EDWIN BAYER.

Schizospondylus Fritsch & Bayer, 8; orthotype *S. DUBIUS* Fritsch & Bayer.

Parelops Fritsch & Bayer, 13; orthotype *P. PARAZAKII* Fritsch & Bayer (fossil).

1899. GILCHRIST (1902). *South African Fishes*. Marine Investigations in South Africa, II, 101-113.

J. D. F. GILCHRIST.

Choridactylodes Gilchrist, 101; orthotype *C. NATALENSIS* Gilchrist.

Melanonosoma Gilchrist, 106; orthotype *M. ACUTICAUDATUM* Gilchrist.

Paralichthodes Gilchrist, 108; orthotype *P. ALGOENSIS* Gilchrist.

1900. GRACIANOV (1902). *Die Ichthyo-fauna des Baikalsees; Dnev. Zool. Otd. Obsc. Liub. Jest. Moska*, III, 18-61. (In Russian.)

VALERIAN GRACIANOV.

Procottus Gracianov (Gratzianow), 41; orthotype *COTTUS JEITTELESI* Dybowski.

1901. GÜNTHER (1902). *Third Notice of New Species of Fishes from Morocco*. Novitat. Zool. (Tring.), IX, 446-448.

ALBERT GÜNTHER.

Pterocapoeta Günther, 446; orthotype *P. MAROCCANA* Gthr.

1902. GÜNTHER (1902). *Last Account of Fishes Collected by Mr. R. B. N. Walker, on the Gold Coast*. Proc. Zool. Soc. London, 1902, II, 330-339.

ALBERT GÜNTHER.

Notoglanidium Günther, 336; orthotype *N. WALKERI* Gthr.

1903. JORDAN & EVERMANN (1902). *Notes on a Collection of Fishes from the Island of Formosa*. Proc. U. S. Nat. Mus., XXV, 315-368. (Sept. 24, 1902.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Zacco Jordan & Evermann, 322; orthotype *LEUCISCUS PLATYPUS* T. & S.

Evenchelys Jordan & Evermann, 327; orthotype *GYMNOTHORAX MACRURUS* Bloch. Same as *THYRSOIDEA* Kaup, as restricted by Bleeker, but by tautonomy Kaup's genus *THYRSOIDEA* must have *MURÆNA THYRSOIDEA* Rich., as type.

1904. JORDAN & FOWLER (1902). *A Review of the Trigger-Fishes, File-Fishes, and Trunk-Fishes of Japan*. Proc. U. S. Nat. Mus., XXV, 251-286. (Sept. 17, 1902.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Rudarius Jordan & Fowler, 270; orthotype *R. ERCODES* Jordan & Fowler.

Lactoria Jordan & Fowler, 278; orthotype *OSTRACION CORNUTUS* L.

1905. JORDAN & FOWLER (1902). *A Review of the Cling-Fishes (Gobiesocidæ) of the Waters of Japan*. Proc. U. S. Nat. Mus., XXV. (Sept. 19, 1902.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Aspasma Jordan & Fowler, 414; orthotype *LEPADOGASTER MINIMUS* Döderlein.

1906. JORDAN & FOWLER (1902). *A Review of the Ophidioid Fishes of Japan*. Proc. U. S. Nat. Mus., XXV, 743-786. (Dec. 2, 1902.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Heirichthys Jordan & Fowler, 744; orthotype *H. ENCRYPTES* Jordan & Fowler. A synonym of *CONGROGADUS* Gthr.

1907. JORDAN & SNYDER (1903). *A Review of the Discobolous Fishes of Japan*. Proc. U. S. Nat. Mus., XXIV, 343-51. (Feb. 10, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Crystallias Jordan & Snyder, 349; orthotype *C. MATSUSHIMÆ* Jordan & Snyder.

1908. JORDAN & SNYDER (1902). *A Review of the Trachinoid Fishes and Their Supposed Allies found in the Waters of Japan*. Proc. U. S. Nat. Mus., XXIV, 461-497. (Mar. 28, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Pteropsaron Jordan & Snyder, 470; orthotype *P. EVOLANS* Jordan & Snyder.

Ariscopus Jordan & Snyder, 479; orthotype *A. IBURIUS* Jordan & Snyder.

Stalix Jordan & Snyder, 495; orthotype *S. HISTRIO* Jordan & Snyder.

1909. JORDAN & SNYDER (1902). *A Review of the Labroid Fishes and Related Forms found in the Waters of Japan*. Proc. U. S. Nat. Mus., XXV, 595-662. (May 2, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Verreo Jordan & Snyder, 619; orthotype *COSSYPHUS OXYCEPHALUS* Blkr.

Ampeces Jordan & Snyder, 628; orthotype *ANAMPSES GEOGRAPHICUS* Cuv. & Val.

1910. JORDAN & SNYDER (1902). *Description of Two New Species of Squaloid Sharks from Japan*. Proc. U. S. Nat. Mus., XXV, 79-81. (Sept. 2, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Deania Jordan & Snyder, 80; orthotype *D. EGLANTINA* Jordan & Snyder, regarded by Garman as a synonym of *ACANTHIDIUM* Lowe, but the logotype of that genus, as first restricted is an *ETMOPTERUS*. Not *DEANEA*, 1875, a genus of PROTOZOA, the name of the fish genus of different origin, being dedicated to Bashford Dean.

1911. JORDAN & SNYDER (1902). *A Review of the Blennioid Fishes of Japan*. Proc. U. S. Nat. Mus., XXV, 441-504. (Sept. 26, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Zacalles Jordan & Snyder, 448; orthotype *Z. BRYOPE* Jordan & Snyder; name pre-occupied, replaced by *CALLIBLENNIUS* Barbour.

Azuma Jordan & Snyder, 463; orthotype *A. EMMNION* Jordan & Snyder.

Zoarchias Jordan & Snyder, 480; orthotype *Z. VENEFICUS* Jordan & Snyder.

Abryois Jordan & Snyder, 486; orthotype *A. AZUMÆ* Jordan & Snyder.

1912. JORDAN & SNYDER (1902). *On Certain Species of Fishes Confused with *Bryostemma polyactocephalum**. Proc. Nat. Mus., XXV. (Nov. 5, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Bryolophus Jordan & Snyder, 618; orthotype *B. LYSIMUS* Jordan & Snyder.

1913. JORDAN & STARKS (1902). *A Review of the Hemibranchiate Fishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 57-73. (Dec. 2, 1902.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Æoliscus Jordan & Starks, 71; orthotype *AMPHISILE STRIGATA* Gthr.

1914. LAMBE (1902). *New Genera and Species from the Belly River Series (Mid-Cretaceous)*. Contr. Canad. Pal., III, 25-81.
LAWRENCE M. LAMBE.
Diphyodus Lambe, 30; orthotype *D. LONGIROSTRIS* Lambe (fossil).
1915. MEEK (1902). *A Contribution to the Ichthyology of Mexico*. Field Mus. Zool., III, 63-128.
SETH EUGENE MEEK.
Zoogoneticus Meek, 91; logotype *Z. DIAZI* Meek.
Chapalichthys Meek, 97; orthotype *CHARACODON ENCAUSTUS* Jordan & Snyder.
Skiffia Meek, 102; orthotype *S. LERMÆ* Meek.
Melaniris Meek, 117; orthotype *M. BALSANUS* Meek. A synonym of *THYRINA* Jordan & Culver.
1916. POPTA (1902). *Notes from the Leyden Museum*.
CANNA M. L. POPTA.
Paracrossochilus Popta, 200; orthotype *P. BICORNIS* Popta = *CROSSOCHILUS VITTATUS* Boulenger.
1917. RIBEIRO (1902). *Oito especies de peixes do Rio Pomba*. Bol. Soc. Nac. Agric., Rio de Janeiro.
ALIPIO DE MIRANDA RIBEIRO.
Platycephalus Ribeiro, 7; type *SCIÆNA UNDECIMALIS* Bloch. A preoccupied name substituted for *CENTROPOMUS* Lac. "in accordance with the laws of priority."
1918. ROHON (1902). *Beiträge zur Anatomie und Histologie der Psammosteiden*. Sitzber. Böhmisch. Ges., 1901, No. XVI, 1-31.
JOSEF VICTOR ROHON.
Ganosteus Rohon, 36; logotype *G. TUBERCULATUS* Rohon.
1919. SMITH (1902). *The Smallest Known Vertebrate*. Science (2), XV, 30-31.
HUGH McCORMICK SMITH (1865-).
Mistichthys Smith, 30; orthotype *M. LUZONENSIS* Smith.
1920. SMITH (1902). *Description of a New Species of Blenny from Japan*. Bull. U. S. Fish Comm., XXI, 93-94.
HUGH McCORMICK SMITH.
Eulophias Smith, 93; orthotype *E. TANNERI* Smith.
1921. STEINDACHNER (1902). *Ueber zwei neue Fischarten aus dem Rothen Meere*. Anz. Ak. Wiss., XXXIX, 336-338.
FRANZ STEINDACHNER.
Beanea Steindachner, 337; orthotype *B. TRIVITTATA* Steind.
1922. VAILLANT (1902). *Résultats zoologiques de l'expédition scientifique Néerlandaise au Borneo central*. Notes Leyden Mus., XXIV, 1-166.
LÉON VAILLANT.
Pseudolais Vaillant, 51; orthotype *P. TETRANEMA* Vaillant.
Sosia Vaillant, 81; orthotype *S. CHAMÆLEON* Vaillant.
Gyrinochilus Vaillant, 107; orthotype *G. PUSTULOSUS* Vaillant.
Parhomaloptera Vaillant, 129; orthotype *P. OBSCURA* Vaillant.
Ellopostoma Vaillant, 145; orthotype *APERIOPTUS MEGALOMYCTER* Vaillant.

1923. WAITE (1902). *Notes on Fishes from Western Australia*. Rec. Austral. Mus., IV, 179-194.

EDGAR RAVENSWOOD WAITE (1866-).

Hypnarce Waite, 180; orthotype HYPNOS SUBNIGRUM Duméril. Substitute for HYPNOS Duméril, preoccupied.

Gilbertella Waite, 182; orthotype SERRANUS ARMATUS Castelnau. A synonym of EPINEPHELIDES Ogilby.

1924. WEBER (1902). *Siboga Expeditie. Introduction et description de l'Expédition*. Leiden, 1902, 159 pp.

MAX (CARL WILHELM) WEBER (1852-).

Photoblepharon Weber, 108; orthotype SPARUS PALPEBRATUS Boddaërt.

1925. WELLBURN (1902). *On the Fish Fauna of the Pendleside Limestones*. Proc. Yorkshire Geol. and Polytechnic Soc. New Series, XIV, 465-473.

EDGAR D. WELLBURN.

Marsdenius Wellburn, 466; orthotype M. SUMMITI Wellburn (fossil DIPLACANTHID: Carboniferous).

1926-1927. WOODWARD (1902). *The Fossil Fishes of the English Chalk*. I. Palæontogr. Soc., 1902, 1-56.

ARTHUR SMITH WOODWARD.

Trachichthyoides Woodward, 29; orthotype T. ORNATUS Woodw. (fossil).

1903.

1928. BERG (1903). *On the Taxonomy of the Cottidæ from Lake Baikal* (Russian text). Ann. Mus. Zool. St. Petersb., VIII, 99-114.

LEW SEMENOWITCH BERG.

Baicalocottus Berg, 100; orthotype COTTUS GREWINGKI Dybowski. A synonym of COTTOCOMEPHORUS Pellégrin.

Batrachocottus Berg, 109; orthotype COTTUS BAIKALENSIS Dybowski.

1929. BOULENGER (1903). *On the Fishes Collected by Mr. G. L. Bates in Southern Cameroon*. Proc. Zool. Soc. London, 1903, I, 21-29.

GEORGE ALBERT BOULENGER.

Microsynodontis Boulenger, 26; orthotype M. BATESII Boulenger.

1930. BOULENGER (1903). *Descriptions of Two New Deep-Sea Fishes from South Africa*. Rept. Govt. Biologist Cape of Good Hope, 66-68.

GEORGE ALBERT BOULENGER.

Tripteroptychocottus Boulenger, 66; orthotype T. GILCHRISTI Boulenger.

1931. EIGENMANN (1903). *The Fresh-Water Fishes of Western Cuba*. Bull. U. S. Fish Comm. for 1902, 211-236 (1903).

CARL H. EIGENMANN.

Toxus Eigenmann, 226; orthotype T. RIDDLEI Eigenmann.

1932. EIGENMANN (1903). *New Genera of South American Fresh-Water Fishes and New Names for Old Genera*. Smithson. Collec. XLV, 114-148. (Dec. 19, 1903.)

CARL H. EIGENMANN.

- Lahiliella** Eigenmann, 144; orthotype *ANASTOMUS NASUTUS* Kner.
Anisistia Eigenmann, 144; orthotype *ANODUS NOTATUS* Schomburgk.
Holoshesthes Eigenmann, 144; orthotype *CHIRODON PEQUIRA* Steind. Later corrected to *HOLESTHES*, but the first spelling should apparently hold.
Moenkhausia Eigenmann, 145; orthotype *TETRAGONOPTERUS XINGUENSIS* Steind.
Markiana Eigenmann, 145; orthotype *TETRAGONOPTERUS NIGRIPINNIS* Perugia.
Othonophanes Eigenmann, 145; orthotype *BRYCON LABIATUS* Eigenmann. Misprinted *ORTHOPHANES* in the Zoological Record; also misprinted as *ORTHONOPHANES*.
Holoprion Eigenmann, 145; orthotype *CHIRODON AGASSIZI* Steind. A synonym of *APHYOCHARAX* Gthr.
Holopristsis Eigenmann, 145; orthotype *TETRAGONOPTERUS OCELLIFER* Steind.
Stichonodon Eigenmann, 145; orthotype *LUETKENIA INSIGNIS* Steind. Substitute for *LUETKENIA* Steind., preoccupied.
Bryconodon Eigenmann, 146; orthotype *BRYCON ORTHOTÆNIA* Gthr.
Acestrorhynchus Eigenmann, 146; orthotype *SALMO FALCATUS* Bloch. A substitute for *XIPHORHYNCHUS* Ag. and *XIPHORHAMPHUS* M. & T., both names preoccupied.
Acestrorhamphus Eigenmann, 146; orthotype *HYDROCYON HEPSETUS* Cuv.
Acestrocephalus Eigenmann, 146; orthotype *XIPHORHAMPHUS ANOMALUS* Steind.
Evermannella Eigenmann, 146; orthotype *CYNOPOTAMUS BISERIALIS* Garman. Name preoccupied; replaced by *EUCYNOPOTAMUS* Fowler, 1904.
Gilbertella Eigenmann, 147; orthotype *ANACYRTUS ALATUS* Steind., preoccupied by Waite, 1902; replaced by *GILBERTOLUS* Eigenmann & Ogle.
Myleocollops Eigenmann, 147; orthotype *METYNNIS GOELDII* Eigenmann.
Acnodon Eigenmann, 147; orthotype *MYLEUS OLIGACANTHUS* M. & T.
Boulengerella Eigenmann, 147; orthotype *XIPHOSTOMA LATERISTRIGA* Boulenger.
Mylossoma Eigenmann, 148; orthotype *MYLETES ALBISOPUS* Cope.
Colossoma Eigenmann, 148; orthotype *MYLETES OCLUS* Cope.
Orthomyleus Eigenmann, 148; orthotype *MYLETES ELLIPTICUS* Gthr.
Piaractus Eigenmann, 148; orthotype *MYLETES BRACHYPOMUS* Cuv.

1933. EIGENMANN & KENNEDY (1903). *On a Collection of Fishes from Paraguay, with a Synopsis of the American Genera of Cichlids*. Proc. Acad. Nat. Sci. Phila., 1903, 497-537. (Sept. 4, 1903.)

CARL H. EIGENMANN; CLARENCE HAMILTON KENNEDY.

- Biotæcus** Eigenmann & Kennedy, 533; orthotype *SARACA OPERCULARIS* Steind. A substitute for *SARACA* Steind., said to be preoccupied.
Biotodoma Eigenmann & Kennedy, 533; orthotype *B. TRIFASCIATUS* Eigenmann & Kennedy.

1934. FOWLER (1903). *Descriptions of Several Fishes from Zanzibar Island, Two of Which Are New*. Proc. Acad. Sci. Phila., LV, 161-176. (June 4, 1903.)

HENRY WEED FOWLER.

- Graviceps** Fowler, 170; orthotype *PETROSCIRTES ELEGANS* Steind.

1935. FOWLER (1903). *New and Little Known Mugilidæ and Sphyrænidæ*. Proc. Acad. Nat. Sci. Phila., 1903, 743-752. (Dec. 16, 1903.)

HENRY WEED FOWLER.

- Ædalechilus** Fowler, 748; orthotype *AGONOSTOMA MONTICOLA* (Griffith).
Agriosphyræna Fowler, 749; orthotype *SPHYRÆNA BARRACUDA* Walbaum.

1936. FOWLER (1903). *Descriptions of New, Little Known, and Typical Atherinidæ*. Proc. Acad. Nat. Sci. Phila., 1903, 727-742. (Dec. 16, 1903.)

HENRY WEED FOWLER.

Atherinomorus Fowler, 730; orthotype *ATHERINA LATICEPS* Poey. A synonym of *HEPSETIA* Bon.

Ischnomembras Fowler, 730; orthotype *I. GABUNENSIS* Fowler. A synonym of *MENIDIA* Bon.

Phoxargyrea Fowler, 732; orthotype *P. DAYI* Fowler. Apparently a synonym of *MENIDIA* Bon.

1937. GILL (1903). *Note on the Fish Genera Named Macrodon*. Proc. U. S. Mus., XXVI, 1015-1016

THEODORE NICHOLAS GILL.

Hoplías Gill, 1016; orthotype *MACRODON TAREIRA* Müller. A substitute for *MACRODON* Müller, preoccupied.

1938. GILCHRIST (1903). *Descriptions of New South African Fishes*. Marine Invest. S. Africa, II, 203-211.

J. D. F. GILCHRIST.

Cyttosoma Gilchrist, 113; orthotype *C. BOOPS* Gilchrist.

Trachichthodes Gilchrist, 203; orthotype *BERYX AFFINIS* Gthr. Replaces *AUSTROBERYX* McCulloch.

Læmonemodus Gilchrist, 208; orthotype *L. COMPRESSICAUDA* Gilchrist.

Selachophidium Gilchrist, 209; orthotype *S. GUENTHERI* Gilchrist.

1939. HAY (1903). *On a Collection of Upper Cretaceous Fishes from the Mount Lebanon, Syria, with Descriptions of Four New Genera and Nineteen New Species*. Bull. Amer. Mus., XIX, 395-452.

OLIVER PERRY HAY.

Stenopropoma Hay, 407; orthotype *S. HAMATA* Hay (fossil) (*BELONORHYNCHIDÆ*).

Eubiodectes Hay, 415; orthotype *CHIROCENTRITES LIBANICUS* Pictet & Humbert (fossil).

Anguillavus Hay, 436; orthotype *A. QUADRIPINNIS* Hay (fossil eel).

Enchelion Hay, 441; orthotype *E. MONTIUM* Hay (fossil).

1940. HELLER & SNODGRASS (1903). *Papers from the Hopkins-Stanford Galapagos Expedition, 1898-1899. XV. New Fishes*. Proc. Washington Acad., V, 189-229.

EDMUND HELLER (1875-); ROBERT EVANS SNODGRASS (1875-).

Evolantia Heller & Snodgrass, 189; orthotype *EXOCÆTUS MICROPTERUS* Cuv. & Val.

Galeagra Heller & Snodgrass, 193; orthotype *G. PAMMELAS* Heller & Snodgrass.

Nexilosus Heller & Snodgrass, 204; orthotype *N. ALBEMARLEUS* Heller & Snodgrass.

Petrotyx Heller & Snodgrass, 222; orthotype *P. HOPKINSI* Heller & Snodgrass.

Eutyx Heller & Snodgrass, 224; orthotype *E. DIAGRAMMUS* Heller & Snodgrass.

Allector Heller & Snodgrass, 228; orthotype *A. CHELONIÆ* Heller & Snodgrass.

1941. JAEKEL (1903). *Ueber die Epiphyse und Hypophyse*. SB. Ges. Naturf. Berlin, 1903, 27-58.

OTTO JAEKEL.

Pachyosteus Jaekel, 39; orthotype *P. BULLA* Jaekel (fossil).

1942. JAEKEL (1903). *Ueber Ramphodus . . . einen neuen devonischen Holocephalen von Wildungen*. Sitzb. Ges. Naturf. Freunde. Berlin, 383-393.

OTTO JAEKEL.

- Ramphodus** Jaekel, 383; orthotype Name preoccupied as RHAMPHODUS. A synonym of RHYNCHODUS.
1943. JENKINS (1903). *Report on the Collection of Fishes Made in the Hawaiian Islands, with Descriptions of New Species*. Bull. U. S. Fish Comm., XXII, for 1902, 415-516. (Sept. 23, 1903.)
OLIVER PEEBLES JENKINS.
- Cirrhitoidea** Jenkins, 489; orthotype *C. BIMACULA* Jenkins.
Chlamydes Jenkins, 503; orthotype *C. LATICEPS* Jenkins.
Eviota Jenkins, 542; orthotype *E. EPIPHANES* Jenkins.
1944. JORDAN (1903). *Supplementary Note on Bleekeria mitsukurii and on Certain Japanese Fishes*. Proc. U. S. Nat. Mus., XXVI, 693-696. (Apr. 9, 1903.)
DAVID STARR JORDAN.
- Embolichthys** Jordan, 693; orthotype BLEEKERIA MITSUKURII J. & E.
Zen Jordan, 694; orthotype CYTTOPSIS ITEA Jordan & Fowler.
Chasmichthys Jordan, 696; orthotype CHASMIAS MISAKIUS Jordan & Snyder. Substitute for SACCOSTOMA Sauvage and for CHASMIAS Jordan & Snyder, both names preoccupied.
1945. JORDAN (1903). *Generic Names of Fishes* (correspondence). Amer. Nat., XXXVII, 360.
DAVID STARR JORDAN.
- Falcularius** Jordan & Snyder, 360; orthotype FALCULA CHAPALÆ Jordan & Snyder. Name a substitute for FALCULA Jordan & Snyder, preoccupied.
Xeneretmus (Gilbert) Jordan, 360; orthotype XENOCHIRUS TRIACANTHUS Gilbert. Name a substitute for XENOCHIRUS Gilbert, preoccupied.
1946. JORDAN & EVERMANN (1903). *Descriptions of New Genera and Species of Fishes from the Hawaiian Islands*. Bull. U. S. Fish Comm. for 1902, XXII, 161-208. (Apr. 11, 1903.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Fowleria** Jordan & Evermann, 180; orthotype APOGON AURITUS Blkr.
Bowersia Jordan & Evermann, 182; orthotype *B. VIOLESCENS* J. & E.
Verriculus Jordan & Evermann, 191; orthotype *V. SANGUINEUS* J. & E.
Quisquilius Jordan & Evermann, 203; orthotype *Q. EUGENIUS* J. & E.
Vitraria Jordan & Evermann, 205; orthotype *V. CLARESCENS* J. & E.
Osurus Jordan & Evermann, 206; orthotype PARAPERCIS SCHAUINSLANDI Steind.
1947. JORDAN & EVERMANN (1903). *Description of a New Genus and Two New Species of Fishes from the Hawaiian Islands*. Bull. U. S. Fish Comm., XXII, for 1902, 209-210. (April 11, 1903.)
DAVID STARR JORDAN; BARTON WARREN EVERMANN.
- Iracundus** Jordan & Evermann, 209; orthotype *I. SIGNIFER* J. & E.
1948. JORDAN & FOWLER (1903). *A Review of the Elasmobranchiate Fishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 593-674. (March 30, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.
- Zameus** Jordan & Fowler, 632; orthotype CENTROPHORUS SQUAMULOSUS Gthr. A synonym of SCYMNODON Bocage & Capello.
1949. JORDAN & FOWLER (1903). *A Review of the Cobitidæ, or Loaches, of the Rivers of Japan*. Proc. U. S. Nat. Mus., XXVI, 765-774. (April 3, 1903.)
DAVID STARR JORDAN; HENRY WEED FOWLER.

Elxis Jordan & Fowler, 768; orthotype *E. NIKKONIS* Jordan & Fowler. A synonym of *LEFUA* Herzenstein.

Orthrias Jordan & Fowler, 769; orthotype *O. OREAS* Jordan & Fowler. A synonym of *OREIAS* Sauvage and probably also of *BARBATULA* Linck.

1950. JORDAN & FOWLER (1903). *A Review of the Dragonets (Callionymidæ) and Related Fishes of the Waters of Japan*. Proc. U. S. Nat. Mus., XXV, 939-959. (May 3, 1903.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Draconetta Jordan & Fowler, 939; orthotype *D. XENICA* Jordan & Fowler.

Calliurichthys Jordan & Fowler, 941; orthotype *CALLIONYMUS JAPONICUS* Houttuyn.

1951. JORDAN & FOWLER (1903). *A Review of the Cyprinoid Fishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 811-862. (July 6, 1903.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Abbottina Jordan & Fowler, 835; orthotype *A. PSEGMA* Jordan & Fowler.

Zezero Jordan & Fowler, 837; orthotype *SARCOCHILICHTHYS HILGENDORFI* Ishikawa.

Biwia Jordan & Fowler, 838; orthotype *PSEUDOGOPIO ZEZERO* Ishikawa.

1952. JORDAN & FOWLER (1903). *A Review of the Siluroid Fishes, or Catfishes of Japan*. Proc. U. S. Nat. Mus., XXVI, 897-911. (July 7, 1903.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Fluvidraco Jordan & Fowler, 904; orthotype *PSEUDOBAGRUS RANSONNETI* Steind.

1953. LAHILLE (1903). *Nota sobre un genera nuevo de Escombrido*. An. Mus. Buenos Aires (3), II, 1903, 375-376.

FERNANDO LAHILLE.

Chenogaster Lahille, 375; orthotype *C. HOLMBERGI* Lahille.

1954. REGAN (1903). *On a Collection of Fishes Made by Dr. Goeldi at Rio Janeiro*. Proc. Zool. Soc. London, 1903, 59-68.

CHARLES TATE REGAN.

Mylacrodon Regan, 62; orthotype *M. GOELDII* Regan.

1955. REGAN (1903). *A Revision of the Fishes of the Family Lophiidæ*. Ann. Mag. Nat. Hist., XI.

CHARLES TATE REGAN.

Chirolophius Regan, 279; orthotype *LOPHIUS NARESI* Gthr. A synonym of *LOPHIODES* G. & B. (1895).

1956. REGAN (1903). *On the Systematic Position and Classification of the Gadoid or Anacanthine Fishes*. Ann. Mag. Nat. Hist. (7), XI, 459-466.

CHARLES TATE REGAN.

Gadomus Regan, 459; orthotype *BATHYGADUS LONGIFILIS* G. & B.

Melanobranchus Regan, 459; orthotype *BATHYGADUS MELANOBANCHUS* Vaillant.

1957. REGAN (1903). *On the Genus Lichia of Cuvier*. Ann. Mag. Nat. Hist. (7), XII, 348-350.

CHARLES TATE REGAN.

Campogramma Regan, 350; orthotype *LICHIA VADIGO* Risso. A synonym of *HYPACANTHUS* Raf.

1958. REGAN (1903). *On a Collection of Fishes from the Azores*. Ann. Mag. Nat. Hist., XII.

CHARLES TATE REGAN.

Macristium Regan, 345; orthotype *M. CHAVESI* Regan.

1959. REGAN (1903). *Descriptions de poissons nouveaux* . . . *Musée d'Histoire Naturelle de Genève*. *Revue Suisse Zool. Genève*.
CHARLES TATE REGAN.
Bedotia Regan, 416; orthotype *B. MADAGASCARIENSIS* Regan.
1960. RIBEIRO (1903). *Pescados do "Annie."* *Bol. Soc. Nat. Agric. Rio de Janeiro*.
ALIPIO DE MIRANDA RIBEIRO.
Pseudopercis Ribeiro, 4; orthotype *P. NUMIDA* Ribeiro.
1961. SAUVAGE (1903). *Noticia sobre los Peces de la Caliza litografica de la Provincia de Lerida (Cataluña)*. *Mem. Ac. Barcel. (3), IV, No. 35, 1-32*.
HENRI EMILE SAUVAGE.
Vidalia Sauvage, 15; orthotype *V. CATALUNICA* Sauvage (fossil).
1962. SCHMIDT (1903). *Faune de la Mer Ochotsk et du Japon*.
PETR YULIEVICH SCHMIDT.
Cynopsetta Schmidt, 19; orthotype *C. DUBIA* Schmidt, name only; defined by Jordan & Starks, 1906.
1963. STEINDACHNER (1903). *Ueber einige neue Reptilien und Fischarten des Hofmuseums in Wien*. *Sitzb. Ak. Wien, CXII, 15-21*.
FRANZ STEINDACHNER.
Gymnocharacinus Steindachner, 20; orthotype *G. BERGII* Steind.
1964. TRAQUAIR (1903). *The Lower Devonian Fishes of Gemünden*. *Trans. Roy. Soc. Edinb., XL, 723-739*.
RAMSAY HEATLEY TRAQUAIR.
Gemundina Traquair, 734; orthotype *G. STURTZI* Traquair (fossil).
Hunsruckia Traquair, 736; orthotype *H. PROBLEMATICA* Traquair (fossil).
1965. VOLZ (1903). *Fische von Sumatra*. *Zool. Anz., XXVI, 553-559*.
WALTER VOLZ.
Trypauchenopsis Volz, 555; orthotype *T. INTERMEDIUS* Volz.
1966. WAITE (1903). *New Records of Recurrences of Rare Fishes from Eastern Australia*. *Rec. Austr. Mus., V, 56-61*.
EDGAR RAVENSWOOD WAITE.
Prosoplismus Waite, 59; orthotype *HISTIOPTERUS RECURVIROSTRIS* Rich. A synonym of *PENTACEROPSIS* Steindachner & Döderlein, noted by Waite, *Ann. Mag. Nat. Hist., XII, 288*.
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- 1904.
1967. BOULENGER (1904). *Description of New West African Fresh-Water Fishes*. *Ann. Mag. Nat. Hist. (7), XIV, 16-20*.
GEORGE ALBERT BOULENGER.
Procatopus Boulenger, 20; orthotype *P. NOTOTÆNIA* Boulenger.
1968. DEAN (1904). *Notes on Japanese Myxinoïds. A New Genus Paramyxine and a New Species Homea okinoseana*. *Journ. Coll. Sci. Tokyo, XIX, No. 2, 1-23*.
BASHFORD DEAN (1867-).
Paramyxine Dean, 14; orthotype *P. ATAMI* Dean.

1969. DOLLO (1904). *Résultats du voyage du S. Y. Belgica. Expédition Ant-arctique Belge.* Anvers.

LOUIS DOLLO.

Copeichthys Dollo, 159; orthotype *DIPLOMYSTUS DENTATUS* Cope (fossil). Substitute for *DIPLOMYSTUS* Cope (1877), regarded as preoccupied by *DIPLOMYSTES* Gthr. (1864).

1970. EASTMAN (1904). *Description of Bolca Fishes.* Bull. Mus. Comp. Zool. Harvard, XLVI, 1-36.

CHARLES ROCHESTER EASTMAN.

Histionotopterus Eastman, 32; orthotype *HISTIOCEPHALUS BASSANI* Zigno (fossil, Monte Bolca). A substitute for *HISTIOCEPHALUS* Zigno, preoccupied in worms.

1971. FOWLER (1904). *Description of a New Lantern Fish.* Proc. Acad. Nat. Sci. Phila. for 1903, 754-755. (Jan. 15, 1904.)

HENRY WEED FOWLER.

Centrobranchus Fowler, 754; orthotype *C. CHÆROCEPHALUS* Fowler.

1972. FOWLER (1904). *Note on the Characinidæ.* Proc. Ac. Nat. Sci. Phila., LIII. (Jan., 1904.)

HENRY WEED FOWLER.

Eucynopotamus Fowler, 119; orthotype *CYNOPOTAMUS BISERIALIS* Garman. A substitute for *EVERMANNELLA* Eigenmann, preoccupied by *EVERMANELLA* Fowler, 1901.

1973. FOWLER (1904). *New, Little Known, and Typical Berycoid Fishes.* Proc. Acad. Nat. Sci. Phila., LV, 222-238. (Apr. 7, 1904.)

HENRY WEED FOWLER.

Sargocentron Fowler, 235; orthotype *HOLOCENTRUM LEO* Cuv.

1974. FOWLER (1904). *Notes on Fishes from Arkansas, Indian Territory, and Texas.* Proc. Acad. Nat. Sci. Phila., LV, 242-249.

HENRY WEED FOWLER.

Paranotropis Fowler, 245; orthotype *PHOTOGENIS SCABRICEPS* Cope. A substitute for *EPISEMA* Cope & Jordan, preoccupied.

1975. FOWLER (1904). *A Collection of Fishes from Sumatra.* Journ. Ac. Nat. Sci. Phila.

HENRY WEED FOWLER.

Rastrum Fowler, 509; orthotype *ALEPES SCITULA* Fowler.

Boulengerina Fowler, 512; orthotype *DULES TÆNIURUS* Cuv. & Val. Name preoccupied in snakes, Dollo, 1886; replaced by *SAFOLE* Jordan, 1912.

Equulites Fowler, 513; orthotype *LEIOGNATHUS VERMICULATUS* Fowler.

Eubleekeria Fowler, 516; orthotype *EQUULA SPLENDENS* Cuv.

Deveximentum Fowler, 517; orthotype *ZEUS INSIDIATOR* Bloch. A synonym of *SECUTOR* Gistel.

Æthaloperca Fowler, 522; orthotype *PERCA ROGAA* Forskål.

Bennettia Fowler, 524; orthotype *ANTHIAS JOHNI* Bloch.

Parkia Fowler, 525; orthotype *LUTJANUS FURVICAUDATUS* Fowler.

Anemura Fowler, 527; orthotype *DENTEX NOTATUS* Day.

Odontoglyphis Fowler, 527; orthotype *DENTEX TOLU* Fowler.

Euthyopteroma Fowler, 527; orthotype *DENTEX BLOCHI* Blkr. (= *SPARUS JAPONICUS* Bloch).

- Eutherapon** Fowler, 527; orthotype *THERAPON THERAPS* Cuv.
Euelaticthys Fowler, 527; orthotype *DIAGRAMMA AFFINE* Gthr.
Spilotichthys Fowler, 528; orthotype *HOLOCENTRUS RADJABAU* Lac.
Lethrinella Fowler, 529; orthotype *SPARUS MINIATUS* Fowler.
Pertica Fowler, 530; orthotype *GERRES FILAMENTOSUS* Cuv. & Val. A synonym of
GERRES Cuv. (*XYSTÆMA* J. & E.), as restricted.
Actinicola Fowler, 533; orthotype *LUTJANUS PERCULA* Lac.
Octocynodon Fowler, 535; orthotype *JULIUS MINIATUS* Cuv. & Val.
Grammoplites Fowler, 550; orthotype *COTTUS SCABER* L.

1976. GILBERT & STARKS (1904). *The Fishes of Panama Bay*. Mem. Calif. Ac., IV, 1-304.

CHARLES HENRY GILBERT; EDWIN CHAPIN STARKS.

Guentheridia Gilbert & Starks, 158; orthotype *TETRAODON FORMOSUS* Gthr.

1977. GILCHRIST (1904). *Descriptions of New South African Fishes*. Mar. Invest. S. Africa, III, 1-16.

J. D. F. GILCHRIST.

Cyttosoma Gilchrist, 6; orthotype *C. BOOPS* Gilchrist.

1978. GILL (1904). *Extinct Pediculate and Other Fishes*. Science (2), XX, 845-846.

THEODORE NICHOLAS GILL.

Bradyurus Gill, 846; orthotype *SYMPHODUS SZAJNOCHÆ* Zigno (fossil).

1979. HILGENDORF (1904). *Ein neuer Scyllium artiger Haifisch. Proscyllium habereri, . . . von Formosa*. Sitzber. Ges. Naturf. Berlin, 1904, 39-41.

FRANZ MARTIN HILGENDORF.

Proscyllium Hilgendorf, 39; orthotype *P. HABERERI* Hilgendorf.

1980. JORDAN (1904). *Notes on Fishes Collected in the Tortugas Archipelago*. Bull. U. S. Fish. Comm., XXII, 539-544.

DAVID STARR JORDAN.

Elacatinus Jordan, 542; orthotype *E. OCEANOPS* Jordan.

Acteis Jordan, 543; orthotype *MALOCOCTENUS MOOREI* Evermann & Marsh.

Ericteis Jordan, 543; orthotype *E. KALISHERÆ* Jordan.

1981. JORDAN & SNYDER (1904). *Notes on the Collection of Fishes from Oahu Island and Laysan Island, Hawaii, with Descriptions of Four New Species*. Proc. U. S. Nat. Mus., XXVII, 939-948. (June 2, 1904.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Ariomma Jordan & Snyder, 942; orthotype *A. LURIDA* Jordan & Snyder.

1982. JORDAN & SNYDER (1904). *On a Collection of Fishes Made by Mr. Alan Owston in the Deep Waters of Japan*. Smithson. Collect., I, 230-240.

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Trismegistus Jordan & Snyder, 238; orthotype *T. OWSTONI* Jordan & Snyder. A giant *LIPARIS*.

1983. JORDAN & STARKS (1904). *List of Fishes Dredged by the Steamer "Albatross" off the Coast of Japan in the Summer of 1900, with Descriptions of New Species and a Review of the Japanese Macrouridæ* (by Jordan & Gilbert). Bull. U. S. Fish Comm., XXII, 577-630.

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Osopsaron Jordan & Starks, 600; orthotype *PTEROPSARON VERECUNDUM* Jordan & Snyder.

Regania Jordan & Gilbert, 604; orthotype *R. NIPPONICA* J. & G.

Nezumia Jordan & Gilbert, 620; orthotype *N. CONDYLURA* J. & G.

Cleisthenes Jordan & Starks, 622; orthotype *C. PINETORUM* Jordan & Starks.

Alæops Jordan & Starks, 623; orthotype *A. PLINTHUS* Jordan & Starks.

Dexistes Jordan & Starks, 624; orthotype *D. RIKUZENIUS* Jordan & Starks.

Araias Jordan & Starks, 624; orthotype *A. ARIOMMUS* Jordan & Starks, the young of *DEXISTES RIKUZENIUS* Jordan & Starks. A synonym of *DEXISTES* Jordan & Starks.

Veræqua Jordan & Starks, 625; orthotype *V. ACHNE* Jordan & Starks.

1984. JORDAN & STARKS (1904). *A Review of the Scorpænoid Fishes of Japan*. Proc. U. S. Nat. Mus., XXVII, 91-175. (Jan. 22, 1904.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Thysanichthys Jordan & Starks, 122; orthotype *T. CROSSOTUS* Jordan & Starks.

Sebastiscus Jordan & Starks, 124; orthotype *SEBASTES MARMORATUS* Cuv. & Val.

Lythrichthys Jordan & Starks, 140; orthotype *L. EULABES* Jordan & Starks.

Ebosia Jordan & Starks, 145; orthotype *PTEROIS BLEEKERI* Steind.

Decterias Jordan & Starks, 154; orthotype *MINOUS PUSILLUS* T. & S.

Erosa (Swainson) Jordan & Starks, 156; orthotype *SYNANCEIA EROSA* (Langsdorf) Cuv. & Val.

Inimicus Jordan & Starks, 158; orthotype *PELOR JAPONICUM* Cuv. & Val. A substitute for *PELOR* Cuv., preoccupied.

Ocosia Jordan & Starks, 162; orthotype *O. VESPA* Jordan & Starks.

Erisphex Jordan & Starks, 170; orthotype *COCOTROPUS POTTII* Steind.

1985. JORDAN & STARKS (1904). *A Review of the Cottidæ or Sculpins of the Waters of Japan*. Proc. U. S. Nat. Mus., XXVII, 231-335. (Jan. 28, 1904.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Stlengis Jordan & Starks, 236; orthotype *S. OSENSIS* Jordan & Starks.

Schmidtia Jordan & Starks, 237; orthotype *S. MISAKIA* Jordan & Starks. Name preoccupied and changed to *SCHMIDTINA*, p. 961.

Daruma Jordan & Starks, 241; orthotype *D. SAGAMIA* Jordan & Starks.

Ricuzenius Jordan & Starks, 242; orthotype *R. PINETORUM* Jordan & Starks.

Rheopresbe Jordan & Starks, 270; orthotype *R. FUJIYAMÆ* Jordan & Starks.

Ainocottus Jordan & Starks, 283; orthotype *A. ENSIGER* Jordan & Starks.

Crossias Jordan & Starks, 296; orthotype *C. ALLISI* Jordan & Starks.

Cottiusculus (Schmidt) Jordan & Starks, 298; orthotype *C. GONEZ* Schmidt.

Elaphichthys Jordan & Starks, 301; orthotype *CENTRIDERMICHTHYS ELONGATUS* Steind.

Alcichthys Jordan & Starks, 301; orthotype *CENTRIDERMICHTHYS ALCICORNIS* Herzenstein.

Furcina Jordan & Starks, 303; orthotype *F. ISHIKAWÆ* Jordan & Starks.

Ocynectes Jordan & Starks, 306; orthotype *O. MASCHALIS* Jordan & Starks.

Bero Jordan & Starks, 317; orthotype *CENTRIDERMICHTHYS ELEGANS* Steind.

Vellitor Jordan & Starks, 318; orthotype *PODABRUS CENTROPOMUS* Rich. Substitute for *PODABRUS* Rich., preoccupied.

1986. JORDAN & STARKS (1904). *Schmidtina, a New Genus of Japanese Sculpins*. Proc. U. S. Nat. Mus. (June 27, 1904).

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Schmidtina Jordan & Starks, 961; orthotype *SCHMIDTIA MISAKIA* Jordan & Starks.
Substitute for *SCHMIDTIA* Jordan & Starks, preoccupied.

1987. MEEK (1904). *The Fresh-Water Fishes of Mexico North of the Isthmus of Tehuantepec*. Field Mus. Zool., V, 1-252.

SETH EUGENE MEEK (1858-1912).

Cynodonichthys Meek, 101; orthotype *C. TENUIS* Meek.

Paragambusia Meek, 133; orthotype *GAMBUSIA NICARAGUENSIS* Gthr.

Thorichthys Meek, 222; orthotype *T. ELLIOTI* Meek.

1988. NIKOLSKII (1904). *Neue Fischarten aus Ostasien*. Ann. Mus. Zool. Acad. St. Petersburg, VIII.

ALEKSANDR MIKHAILOVICH NIKOLSKII.

Ussuria Nikolskii, 362; orthotype *U. LEPTOCEPHALA* Nikolskii. Apparently a synonym of *MISGURNUS* Lac.

1989. OGILBY (1904). *Studies in the Ichthyology of Queensland*. Proc. Roy. Soc. Queensland, XVIII, 27-30.

JAMES DOUGLAS OGILBY.

Daia Ogilby, 9; orthotype *CENTROPOGON INDICUS* Day. Perhaps a synonym of *HYPODYTES* Gistel (*PARACENTROPOGON* Blkr.).

Notesthes Ogilby, 17; orthotype *CENTROPOGON ROBUSTUS* Gthr.

Liocranium Ogilby, 23; orthotype *L. PRÆPOSITUM* Ogilby.

1990. PELLÉGRIN (1904). *Contribution à l'étude anatomique, biologique et taxonomique des Poissons de la famille des Cichlidés*. Mem. Soc. Zool. France, XVI, 41-402.

JACQUES PELLÉGRIN.

Astatheros Pellégrin, 203; orthotype *HEROS HETERODONTUS* Vaillant & Pellégrin.

Astatoreochromis Pellégrin, 384; orthotype *A. ALLUAUDI* Pellégrin.

Nanochromis Pellégrin, 273; orthotype *PSEUDOPLESIOPS NUDICEPS* Boulenger, Substitute for *PSEUDOPLESIOPS* Boulenger, preoccupied.

Lepidolamprologus Pellégrin, 295; orthotype *LAMPROLOGUS ELONGATUS* Boulenger.

Astatotilapia Pellégrin, 299; orthotype *TILAPIA DESFONTAINESI* Lac.

Boulengerochromis Pellégrin, 304; orthotype *TILAPIA MICROLEPIS* Boulenger.

Ophthalmotilapia Pellégrin, 345; orthotype *TILAPIA BOOPS* Boulenger.

1991. POPTA (1904). *Descriptions préliminaires des nouvelles espèces de Poissons recueillies au Borneo central par M. le Dr. A. W. Nieuwenhuis en 1898 et en 1900*. Notes Leyden Mus., XXIV, 179-202.

CANNA M. L. POPTA.

Neopangasius Popta, 180; orthotype *N. NIEUWENHUISII* Popta.

Paracrossocheilus Popta, 200; orthotype *P. BICORNIS* Popta.

1992. REGAN (1904). *A Monograph of the Fishes of the Family Loricariidæ*. Trans. Zool. Soc. London, XVII, 191-350.

CHARLES TATE REGAN.

Xenocara Regan, 251; orthotype *CHÆTOSTOMUS LATIFRONS* Gthr.

1993. ROMANOVSKII (1904). *Notiz ueber den fossilen Fisch, Lyrolepis caucasicus*. Rom. Verh. Russ. Miner. Ges. St. Petersburg.

GHENNADI DANILOVICH ROMANOVSKII.

Lyrolepis Romanovskii, 1; orthotype *L. CAUCASICUS* Romanovskii (fossil).

1994. RUTTER (1904). *Notes on Fishes of Gulf of California, with Description of a New Genus and Species*. Proc. Calif. Acad. Zool. (3), III, 251-253.

CLOUDSLEY M. RUTTER.

Pycnomma Rutter, 252; orthotype *P. SEMISQUAMATA* Rutter.

1995. SCHMIDT (1904). *Pisces marium orientalium imperii rossici*. St. Petersburg, 1904, 1-466.

PETR YULIEVICH SCHMIDT.

Cottiusculus Schmidt, 190; orthotype *C. GONEZ* Schmidt. First notice by Jordan & Starks, 1904.

Tilesina Schmidt, 134; orthotype *T. GIBBOSA* Schmidt.

Krusensterniella Schmidt, 198; orthotype *K. NOTABILIS* Schmidt.

Hadropareia Schmidt, 205; orthotype *H. MIDDENDORFFI* Schmidt.

Protopsetta Schmidt, 230; orthotype *HIPPOGLOSSOIDES HERZENSTEINI* Schmidt.

Acanthopsetta Schmidt, 237; orthotype *A. NADESHNYI* Schmidt.

1996. SIMIONESCU (1904). *Vorläufige Mitteilung über eine eligocäne Fischfauna aus den rumanischen Karpathen*. Verh. Geol. Reichsanst., 1904, 147-149.

JOAN THEODOR SIMIONESCU.

Krambergeria Simionescu, 148; orthotype *K. LANCEOLATA* Simionescu (fossil).

1997. SMITH (1904). *A New Cottoid Fish from Bering Sea*. P. Soc. Wash., XVII, 163-164.

HUGH McCORMICK SMITH.

Thecopterus Smith, 163; orthotype *T. ALEUTICUS* Smith.

1998. SNYDER (1904). *A Catalogue of the Shore Fishes Collected by the Steamer "Albatross" about the Hawaiian Islands in 1902*. Bull. U. S. Fish Comm., XXII, 513-538.

JOHN OTTERBEIN SNYDER.

Veternio Snyder, 516; orthotype *V. VERRENS* Snyder.

Collybus Snyder, 525; orthotype *C. DRACHME* Snyder.

Merinthe Snyder, 535; orthotype *SEBASTES MACROCEPHALUS* Sauvage.

1999. STROMER (1904). *Nematognathi aus dem Fajum und dem Natronthale in Aegypten*. N. Jahrb. Min., 1904, I, 1-17.

ERNST STROMER VON REICHENBACH (1871-).

Fajumia Stromer, 3; orthotype *F. SCHWEINFURTHI* Stromer (fossil).

Socnopæa Stromer, 6; orthotype *S. GRANDIS* Stromer (fossil).

2000. VAILLANT (1904). *Quelques Reptiles, Batraciens et Poissons du Haut Tonquin*. Bull. Mus. Paris, 1904, 297-301.

LÉON VAILLANT.

Luciocyprinus Vaillant, 299; orthotype *L. LANGSONI* Vaillant.

2001. WAITE (1904). *Additions to the Fish Fauna of Lord Howe Island. No. 4*. Rec. Austral. Mus., V, 135-186.

EDGAR RAVENSWOOD WAITE.

Xenogramma Waite, 157; orthotype *X. CARINATUM* Waite.

Allogobius Waite, 176; orthotype *A. VIRIDIS* Waite. A synonym of *EVIOTA* Jenkins.

Limnichthys Waite, 178; orthotype *L. FASCIATUS* Waite.

Lepadichthys Waite, 180; orthotype *L. FRENATUS* Waite.

Schizochirus Waite, 243; orthotype *S. INSOLENS* Waite.

1905.

2002. ANTIPA (1905). *Clupeinen des Westlichen Teiles des Schwarzen Meeres und der Donaumiündungen*. Denkschr. Akad. Wiss. Wien, LXVIII.

GREGOR ANTIPA.

Sardina Antipa, 54; orthotype **CLUPEA PILCHARDUS** L. A synonym of **SARDINIA** Poey, the two names equally similar to the earlier **SARDINIUS** Von der Marck, a fossil sardine-like fish. For the genus typified by **CLUPEA PILCHARDUS** the name **CLUPANODON** Lac. has been used, but according to the present rules of nomenclature that name must stand for the Asiatic genus, **KONOSIRUS**.

2003. See Additions and Corrections, page 575.

2004. EASTMAN (1905). *Les types de poissons fossiles du Monte Bolca au Museum d'Histoire Naturelle de Paris*. Mem. Soc. Geol. Paris, XIII.

CHARLES ROCHESTER EASTMAN.

Eomyrus (Agassiz) Eastman, 15; logotype **E. FORMOSISSIMUS** Ag. (Ms.).

2005. EIGENMANN & WARD (1905). *The Gymnotidæ*. Proc. Wash. Ac., 1905, VII, 159-188.

CARL H. EIGENMANN; D. P. WARD.

Sternarchella Eigenmann & Ward, 163; orthotype **STERNARCHUS SCHOTTI** Steind.

Sternarchorhamphus Eigenmann & Ward, 165; logotype **STERNARCHUS MULLERI** Steind.

Sternarchogiton Eigenmann & Ward, 165; orthotype **STERNARCHUS NATTERERI** Steind.

2006. FORBES & RICHARDSON (1905). *On a New Shovelnose Sturgeon from the Mississippi River*. Bull. Illinois Lab., VII, 1905, 37-44.

STEPHEN ALFRED FORBES; ROBERT EARL RICHARDSON.

Parascaphirhynchus Forbes & Richardson, 37; orthotype **P. ALBUS** Forbes & Richardson.

2007. FOWLER (1905). *New, Rare, or Little Known Scombroids, I*. Proc. Acad. Nat. Sci. Phila., LVI, for 1904, 757-771. (Jan. 16, 1905.)

HENRY WEED FOWLER.

Sierra Fowler, 766; orthotype **CYBIUM CAVALLA** Cuv. A subgenus under **SCOMBEROMORUS** Lac.

Lepturacanthus Fowler, 770; orthotype **TRICHIURUS SAVALA** Cuv.

2008. FOWLER (1905). *New, Rare, or Little Known Scombroids, II*. Proc. Acad. Nat. Sci. Phila., LXII, 56-88. (Mar. 31, 1905.)

HENRY WEED FOWLER.

Rhaphiolepis Fowler, 59; orthotype **CHORINEMUS TOL** Cuv.

Vexillicaranx Fowler, 76; orthotype **CARANX AFRICANUS** Steind.

Elaphotoxon Fowler, 76; orthotype **SCOMBER RUBER** Bloch.

2009. FOWLER (1905). *Some Fishes from Borneo*. Proc. Acad. Nat. Sci. Phila., LVII, 455-523. (Aug. 14, 1905.)

HENRY WEED FOWLER.

Pristiopsis Fowler, 459; orthotype **PRISTIS PERROTTETI** Muller & Henle (lower caudal lobe developed).

Apodoglanis Fowler, 463; orthotype **A. FURNESSI** Fowler.

Vaillantella Fowler, 474; orthotype **NEMACHEILUS EUEPIPTERUS** Vaillant.

Homalopteroides Fowler, 476; orthotype HOMALOPTERA WASSINKII Blkr.
Labidorhamphus Fowler, 493; orthotype HEMIRHAMPHUS AMBLYURUS Blkr.
Pampus (Bonaparte) Fowler, 499; orthotype STROMATEUS CINEREUS Bloch. Forgotten name revived; replaces STROMATEOIDES Blkr.
Gigantogobius Fowler, 511; orthotype G. JORDANI Fowler.

2010. GILBERT (1905). *Aquatic Resources of the Hawaiian Islands. II. The Deep-Sea Fishes.* Bull. U. S. Fish Comm. for 1903, (Aug. 5, 1905.)

CHARLES HENRY GILBERT.

Metopomycter Gilbert, 585; orthotype M. DENTICULATUS Gilbert.
Stemonidium Gilbert, 586; orthotype S. HYPOMELAS Gilbert.
Nematoprora Gilbert, 587; orthotype N. POLYGONIFERA Gilbert.
Leptostomias Gilbert, 606; orthotype L. MACRONEMA Gilbert.
Lestidium Gilbert, 607; orthotype N. NUDUM Gilbert.
Hynnodus Gilbert, 617; orthotype H. ATHERINOIDES Gilbert.
Grammatonotus Gilbert, 618; orthotype G. LAYSANUS Gilbert.
Stethopristes Gilbert, 622; orthotype S. EOS Gilbert.
Cyttomimus Gilbert, 623; orthotype C. STELGIS Gilbert.
Peloropsis Gilbert, 630; orthotype O. XENOPS Gilbert.
Plectrogenium Gilbert, 634; orthotype P. NANUM Gilbert.
Snyderidia Gilbert, 634; orthotype S. CANINA Gilbert.
Bembradium Gilbert, 637; orthotype B. ROSEUM Gilbert.
Chrionema Gilbert, 645; orthotype C. CHRYSERES Gilbert.
Jordanicus Gilbert, 656; orthotype FIERASPER UMBRATILIS J. & E.
Tæniopsetta Gilbert, 680; orthotype T. RADULA Gilbert.
Samariscus Gilbert, 682; orthotype S. CORALLINUS Gilbert.
Miopsaras Gilbert, 694; orthotype M. MYOPS Gilbert.

2011. GILBERT & THOMPSON (1905). *Notes on the Fishes of Puget Sound.* Proc. U. S. Nat. Mus., XXVIII, 973-987. (Aug. 8, 1905.)

CHARLES HENRY GILBERT; JOSEPH C. THOMPSON.

Stelgidonotus Gilbert & Thompson, 977; orthotype S. LATIFRONS Gilbert & Thompson.

2012. GILL (1905). *The Scorpænoid Fish, Neosebastes entaxis, as the Type of a Distinct Genus.* Proc. U. S. Nat. Mus. (February 15, 1905.)

THEODORE NICHOLAS GILL.

Sebastosemus Gill, 219; orthotype NEOSEBASTES ENTAXIS Jordan & Snyder.

2013. GILL (1905). *Notes on the Genera of Synanceine and Pelorine Fishes.* Proc. U. S. Nat. Mus., XXVIII, 221-225. (Feb. 23, 1905.)

THEODORE NICHOLAS GILL.

Simopias Gill, 224; orthotype PELOR FILAMENTOSUS Cuv. & Val. A substitute for PELOR Cuv., based on a section of the genus distinct from the type of INIMICUS Jordan & Starks.

Rhinopias Gill, 225; orthotype SCORPÆNA FRONDOSA Gthr.

2014. GILL (1905). *On the Generic Characters of Prionotus Stearnsi.* Proc. U. S. Nat. Mus. (February 15, 1905.)

THEODORE NICHOLAS GILL.

Colotrigla Gill, 339; orthotype PRIONOTUS STEARNSI Jordan & Swain.

Fissala Gill, 342; orthotype PRIONOTUS ALATUS G. & B.

2015. GILL (date not ascertained). *Mancopsetta*.
Mancopsetta Gill, —; orthotype LEPIDOPSETTA MACULATA Gthr.; substitute for LEPIDOPSETTA Gthr., preoccupied. (I am unable to place this genus.)
2016. GILL & SMITH (1905). *A New Family of Jugular Acanthopterygians (Caristiidae)*. Proc. Biol. Soc. Wash., XVIII.
 THEODORE GILL; HUGH McCORMICK SMITH.
Caristius Gill & Smith, 249; orthotype C. JAPONICUS Gill & Smith.
2017. HAUG (1905). *Documents scientifiques de la mission saharienne Paleontologique (Mission Foureau Lamy)*. Paris, fasc. 3, 1905, 751–832.
 EMILE HAUG.
Platyspondylus Haug, 751; orthotype P. FOUREAUI Haug (fossil).
2018. JORDAN & EVERMANN (1905). *The Aquatic Resources of the Hawaiian Islands. I. The Shore Fishes*. Bull. U. S. Fish Comm. for 1903. (July 29, 1905.)
 DAVID STARR JORDAN; BARTON WARREN EVERMANN.
Kelloggella (Jordan & Seale) Jordan & Evermann, 488; orthotype K. CARDINALIS Jordan & Seale. More fully defined later in *Fishes of Samoa*.
Exallias Jordan & Evermann, 503; orthotype SALARIAS BREVIS Kner.
2019. JORDAN & SEALE (1905). *List of Fishes Collected by Dr. Bashford Dean on the Island of Negros, Philippines*. Proc. U. S. Nat. Mus., XXVIII, 769–803.
 DAVID STARR JORDAN; ALVIN SEALE.
Eleria Jordan & Seale, 774; orthotype E. PHILIPPINA Jordan & Seale.
Foa Jordan & Seale, 779; orthotype F. FO Jordan & Seale.
Drombus Jordan & Seale, 797; orthotype D. PALACKYI Jordan & Seale.
2020. JORDAN & STARKS (1905). *On a Collection of Fishes Made in Korea, by Pierre Louis Jouy, with Descriptions of New Species*. Proc. U. S. Nat. Mus., XXVIII, 193–211. (February 23, 1905.)
 DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Longurio Jordan & Starks, 196; orthotype L. ATHYMIUS Jordan & Starks. A synonym of SAUROGOBIO Blkr.
Fusania Jordan & Starks, 198; orthotype F. ENSARCA Jordan & Starks. A synonym of APHYOCYPRIS Gthr.
Coreius Jordan & Starks, 199; orthotype LABEO CETOPSIS Kner.
Larimichthys Jordan & Starks, 204; orthotype L. RATHBUNÆ Jordan & Starks.
2021. JORDAN & THOMPSON (1905). *The Fish Fauna of the Tortugas Archipelago*. Bull. Bur. Fish, XXIV, 231–266.
 DAVID STARR JORDAN; JOSEPH C. THOMPSON.
Etelides Jordan & Thompson, 241; orthotype ETELIS AQUILIONARIS G. & B.
Execesitides Jordan & Thompson, 253; orthotype E. EGREGIUS Jordan & Thompson.
2022. KRAMBERGER (1905). *Die obertriadische Fischfauna von Hallein in Salzburg*. Beitr. Pal. Pesterr-Ung., XVIII, 193–224.
 DRAGUTIN GORJANOVIC KRAMBERGER.
Spaniolepis Kramberger, 216; orthotype S. OVALIS Kramberger (fossil).
2023. LERICHE (1905). *Les poissons éocènes de la Belgique*. Mem. Mus. Belgique Bruxelles, III, 1905, 228.
 MAURICE LERICHE.

Cristigorina Leriche, 80; orthotype *C. CRASSA* Leriche (fossil).

Glyptorhynchus Leriche, 159; orthotype *CÆLORHYNCHUS RECTUS* Ag. (fossil). Substitute for *CÆLORHYNCHUS* Ag., preoccupied. A synonym of *CYLINDRACANTHUS* Leidy, 1856.

2024. LÖNNBERG (1905). *The Fishes of the Swedish South Pole Expedition*. *Wissensch. Ergeb. Schwed. Sudpolar-Exp.*, 5, Lief. 6, 1906, 1-69.

AXEL JOHAN EINAR LÖNNBERG.

Artedidraco Lönnberg, 39; orthotype *A. MIRUS* Lönnberg.

2025. MCGILCHRIST (1905). *Natural History Notes from the R. I. M. S. "Investigator" Capt. R. H. Heming, R. N. (retired), Commanding. Series III, No. 8. On a New Genus of Teleostean Fish Closely Allied to Chiasmodus*. *Ann. Mag. Nat. Hist.* (7), XV, 268-270.

A. C. MCGILCHRIST.

Dysalotus McGilchrist, 268; orthotype *D. ALCOCKI* McGilchrist.

2026. PELLÉGRIN (1905). *Poisson nouveau de Mozambique*. *Bull. Mus. Paris*, XI, 145-146.

JACQUES PELLÉGRIN.

Xenopomichthys Pellégrin, 145; orthotype *X. AURICULATUS* Pellégrin.

2027. PELLÉGRIN (1905). *Mission Scientifique en Afrique Centrale*. *Mem. Soc. Zool. de France*.

JACQUES PELLÉGRIN.

Astatochromis Pellégrin, 183; orthotype *A. ALLAUDI* Pellégrin.

2028. POPTA (1905). *Suites des descriptions préliminaires des nouvelles espèces de poissons recueillis par M. le Dr. A. W. Nieuwenhuis en 1898 et en 1900*. *Notes Leyden Mus.*, XXV, 171-187.

CANNA M. L. POPTA.

Neogastromyzon Popta, 180; orthotype *N. NIEUWENHUISII* Popta.

Parophiocephalus Popta, 183; orthotype *P. UNIMACULATUS* Popta. A synonym of *BETTA* Blkr.

2029. REGAN (1905). *A Synopsis of the Species of the Silurid Genera Parexostoma, Chimarrhichthys, and Exostoma*. *Ann. Mag. Nat. Hist.* (7), XV, 182.

CHARLES TATE REGAN.

Parexostoma Regan, 182; logotype *EXOSTOMA STOLICZKÆ* Day.

2030. REGAN (1905). *A Revision of the Fishes of the American Cichlid Genus Cichlasoma and of the Allied Genera*. *Ann. Mag. Nat. Hist.* (7), XV, 60-77; 225-243, 316-340.

CHARLES TATE REGAN.

Parapetenia Regan, 324; orthotype *ACARA ADSPERSA* Gthr.

2031. REGAN (1905). *A Revision of the Fishes of the South American Cichlid Genera Acara, Nannacara, Acaropsis, and Astronotus*. *Ann. Mag. Nat. Hist.* (7), XV, 329-427.

CHARLES TATE REGAN.

Nannacara Regan, 344; orthotype *N. ANOMALA* Regan.

2032. REGAN (1905). (*Gymnapogon*). *Ann. Mag. Nat. Hist.*, XV.

CHARLES TATE REGAN.

Gymnapogon Regan, 19; orthotype *G. JAPONICUS* Regan.

2033. SAUTER (1905). *Notes from the Owston Collection*. Annot. Zool. Japan, V, 233-238.

HANS SAUTER.

Ijimaia Sauter, 233; orthotype *I. DOFLEINI* Sauter.

2034. STROMER (1905). *Die Fischreste des mittleren und oberen Eocens von Aegypten*. Beitr. Pal. Oesterr-Ung., XVIII, 37-58.

ERNST STROMER VON REICHENBACH.

Eopristis Stromer, 52; orthotype *P. REINACHI* Stromer.

2035. TOULA (1905). *Ueber einem dem Thunfische verwandten Raub-fish der Congerienschichten der Wiener Bucht*. . . . Jahrb. Geol. Reichsanst. Wien., LV.

FRANZ TOULA (1845-).

Pelamycybium Toula, 51; orthotype *P. SINUS-VINDOBONENSIS* Toula (fossil).

2036. WAITE (1905). *Notes on Fishes from Western Australia, III*. Rec. Austral. Mus., VI, 1905, 55-82.

EDGAR RAVENSWOOD WAITE.

Neatypus Waite, 64; orthotype *N. OBLIQUUS* Waite.

Bramichthys Waite, 72; orthotype *B. WOODWARDI* Waite.

Dipulus Waite, 77; orthotype *D. CÆCUS* Waite.

1906.

2037. ABEL (1906). *Fossile Flugfische*. Verh. Deutsche. Zool. Ges., XV, 47-48.

OTHENIO ABEL.

Dollopterus Abel, 47; orthotype *DOLICHOPTERUS VOLITANS* Compter (fossil).

Gigantopterus Abel, 48; orthotype *G. TELLERI* Abel (fossil).

2038. AMEGHINO (1906). *Les formations sedimentaires du crétacé supérieur et du Tertiaire de Patagonie, etc*. Ann. Mus. Nat. Buenos Aires, XV.

FLORENTINO AMEGHINO.

Pseudacrodus Ameghino, 176; orthotype *P. PATAGONIENSIS* Ameghino (fossil).

Carcharioides Ameghino, 183; orthotype *C. TOTUSERRATUS* Ameghino (fossil).

2039. BERG (1906). *Uebersicht der Marsipobranchii des russischen Reiches*. St. Petersburg, Bull. Ac. Ser. 5, XXIV, 169-183.

LEW SEMENOWITCH BERG.

Caspiomyzon Berg, 177; orthotype *PETROMYZON WAGNERI* Kessler.

2040. BERG (1906). *Uebersicht der Cataphracti (Fam. Cottidæ, Cottocomephoridae und Comephoridae) des Baikalsees*. Zool. Anz., XXX, 1906, 906-911.

LEW SEMENOWITCH BERG.

Asprocottus Berg, 907; orthotype *A. HERZENSTEINI* Berg.

Abyssocottus Berg, 908; orthotype *A. KOROTNEFFI* Berg.

Limnocottus Berg, 909; orthotype *COTTUS GODLEWSKII* Dybowski.

2041. BOULENGER (1906). *Fourth Contribution to the Ichthyology of Lake Tanganyika. Report on the Collection of Fishes Made by Dr. W. A. Cunningham during the Third Tanganyika Expedition, 1904-1905*. Trans. Zool. Soc. London, XVII, 1906, 537-576.

GEORGE ALBERT BOULENGER.

Dinopterus Boulenger, 550; orthotype *D. CUNNINGTONI* Boulenger.

Phyllonemus Boulenger, 552; orthotype *P. TYPUS* Boulenger.

Haplotaxodon Boulenger, 566; orthotype *H. MICROLEPIS* Boulenger.

Cunningtonia Boulenger, 573; orthotype *C. LONGIVENTRALIS* Boulenger.

2042. BOULENGER (1906). *Descriptions of New Fishes Discovered by Mr. E Degen in Lake Victoria*. Ann. Mag. Nat. Hist., XVII, 433-452.

GEORGE ALBERT BOULENGER.

Platyæniodus Boulenger, 451; orthotype *P. DĒGENI* Boulenger.

2043. BRAUER (1906). *Die Tiefsee-Fische. I. Syst. Theil. (Wissenschaftl. Ergebnisse der deutschen Tiefsee-Expedition)*. Jena, 1906, 1-432.

AUGUST BRAUER.

Stylophthalmus Brauer, 70; orthotype *S. PARADOXUS* Brauer.

Oxyodon Brauer, 287; orthotype *O. MACROPS* Brauer.

Bassobythites Brauer, 307; orthotype *B. BRUNSWIGI* Brauer.

2044. EASTMAN (1906). *Structure and Relations of Mylostoma*. Bull. Mus. Comp. Zool., L, 1-29. (May, 1906.)

CHARLES ROCHESTER EASTMAN.

Dinomylostoma Eastman, 23; orthotype *D. BEECHERI* Eastman (fossil, teeth and body plates): (mentioned earlier, February, 1906, in a paper on ARTHRODIRES. Amer. Journ. Sci., XXI, 137). ARTHRODIRA, Devonian.

2045. EVERMANN & KENDALL (1906). *Notes on a Collection of Fishes from Argentina, South America, with Descriptions of Three New Species*. Proc. U. S. Nat. Mus., XXXI, 67-108. (July 25, 1906.)

BARTON WARREN EVERMANN; WILLIAM CONVERSE KENDALL.

Odontesthes Evermann & Kendall, 94; orthotype *O. PERUGLÆ* Evermann & Kendall.

2046. FOWLER (1905). *Some Cold-Blooded Vertebrates from the Florida Keys*. Proc. Acad. Nat. Sci. Phila., LVIII, 77-113. (May 29, 1906.)

HENRY WEED FOWLER.

Congrammus Fowler, 105; orthotype *C. MOOREI* Fowler.

2047. FOWLER (1906). *New, Rare, or Little Known Scombroids., III*. Proc. Acad. Nat. Sci. Phila., LVIII, 114-122. (June 20, 1906.)

HENRY WEED FOWLER.

Glaucus (Klein) Fowler, 116; orthotype *SCOMBER AMIA* L. Revived as reprinted by Walbaum, *Artedi Piscium*, III, 585, 1792, to replace *HYPODIS* Raf., *HYPACANTHA* Raf., *LICHIA* Cuv., and *PORTHMEUS* Cuv. & Val. This choice of type antedates that of Jordan & Hubbs, 1915. *SCOMBER GLAUCUS* L., replacing *CÆSI-MORUS* Lac., the law of tautonymy would apply here, and the names of Klein, however reprinted, are not yet declared eligible.

Pampanoa Fowler, 116; orthotype *CHÆTODON GLAUCUS* Bloch.

Pterorhombus Fowler, 118; orthotype *FIATOLA FASCIATA* Risso.

Priacanthopsis Fowler, 122; orthotype *PEMPHERIS MULLERI* Poey.

2048. FOWLER (1906). *Further Knowledge of Some Heterognathous Fishes*. Proc. Acad. Nat. Sci. Phila., LVIII, I, 293-351. (Sept. 25, 1906.)

HENRY WEED FOWLER.

The numerous genera indicated in this paper have been critically reviewed by Dr. Carl H. Eigenmann, Amer. Nat. Dec., 1907. From this paper I draw the comments on the different genera proposed.

- Ophiocephalops** Fowler, 293; orthotype *ERYTHRINUS UNITÆNIATUS* Ag. A synonym of *HOPLERYTHRINUS* Gill.
- Copeina** Fowler, 294; orthotype *PYRRHULINA ARGYROPS* Fowler. A substitute for *HOLOTAXIS* of Eigenmann, not of Cope.
- Cyphocharax** Fowler, 297; orthotype *CURIMATUS SPILURUS* Gthr.
- Steindachnerina** Fowler, 298; orthotype *CURIMATUS TRACHYSTETHUS* Cope. Probably a synonym of *CURIMATA* Walbaum (*CURIMATUS* Cuv.).
- Peltapleura** Fowler, 300; orthotype *SALMO CYPRINOIDES* L. A synonym of *CURIMATA* Walbaum.
- Eigenmannina** Fowler, 307; orthotype *ANODUS MELANOPOGON* Cope.
- Chilomyzon** Fowler, 309; orthotype *PROCHILODUS STEINDACHNERI* Fowler. A synonym of *PROCHILODUS*.
- Hemiodopsis** Fowler, 318; orthotype *HEMIODUS MICROLEPIS* Kner.
- Pithecocharax** Fowler, 319; orthotype *SALMO ANOSTOMUS* L. A substitute for *ANOSTOMUS* Cuv., regarded as preoccupied by *ANASTOMUS* Bonnaterre, 1788. But *ANOSTOMUS* dates from Gronow (1763), revived by Scopoli (1777).
- Pœcilosomatops** Fowler, 323; orthotype *CHARACIDIUM ETHEOSTOMA* Cope. A synonym of *NANOGNATHUS* Boulenger, a section of *CHARACIDIUM*.
- Garmanina** Fowler, 326; orthotype *RHYTODUS ARGENTEOFUSCUS* Kner.
- Abramites** Fowler, 331; orthotype *LEPORINUS HYPSELONOTUS* Gthr. A synonym of *LEPORINUS* Cuv. & Val.

2049. GARMAN (1906). *New Plagiostomia*. Bull. Mus. Comp. Zool., Harvard Coll., XLVI, 201-208.

SAMUEL GARMAN.

- Parmaturus** Garman, 201; orthotype *P. PILOSUS* Garman.

2050. GILCHRIST (1903). *Descriptions of Fifteen New South African Fishes, with Notes on Other Species*. Cape Town, Marine Investiga., IV, 1906, 143-171.

J. D. F. GILCHRIST.

- Pseudocyttus** Gilchrist, 152; orthotype *P. MACULATUS* Gilchrist.

- Neostomias** Gilchrist, 168; orthotype *N. FILIFERUM* Gilchrist.

2051. GRACIANOV (1906). *Ueber eine besondere Gruppe der Rochen*. Zool. Anz., XXX, 399-406. (Dec., 1906.)

VALERIAN GRACIANOV (OR GRATZIANOW).

- Brachioptera** Gratzianow, 402; orthotype *B. RHINOCEROS* Gratzianow.

- Planerocephalus** Gracianov, 403; orthotype *P. ELLIOTI* Gracianov.

2052. GRACIANOV (1906). *Die Neunaugen des Russischen Reiches*. Text in Russian. Moskv. Dnev. zool. otd. obsc. liub. jest., 3, 7-8, 1907, 18.

VALERIAN GRACIANOV.

- Agnathomyzon** Gracianov, 18; orthotype *PETROMYZON WAGNERI* Kessler. A synonym of *CASPIOMYZON* Berg (September, 1906).

- Haploglossa** Gracianov, 18; orthotype *A. CASPICUS* Wagner = *PETROMYZON WAGNERI* Kessler. A synonym of *CASPIOMYZON* Berg.

2053. JORDAN & SEALE (1906). *Descriptions of Six New Species of Fishes from Japan*. Proc. U. S. Nat. Mus., XXX, 143-148.

DAVID STARR JORDAN; ALVIN SEALE.

- Sayonara** Jordan & Seale, 145; orthotype *S. SATSUMÆ* Jordan & Seale.

2054. JORDAN & SEALE (1906). *The Fishes of Samoa. Descriptions of Species Found in the Archipelago, with a Provisional Check-List of the Fishes of Oceania.* Bull. Bur. Fish., XXV, 173-455. (Dec. 15, 1906.)

DAVID STARR JORDAN; ALVIN SEALE.

Anarchias Jordan & Seale, 204; orthotype *A. ALLARDICEI* Jordan & Seale.

Psettias (Jordan) Jordan & Seale, 237; orthotype *PSETTUS SEBÆ* Cuv. & Val.

Rooseveltia (Jordan & Evermann) Jordan & Seale, 265; orthotype *SERRANUS BRIGHAMI* Seale.

Oceanops Jordan & Seale, 277; orthotype *LABRUS LATOVITTATA* Lac.

Lo Seale, 360; orthotype *AMPHACANTHUS VULPINUS* Schlegel & Müller.

Abalistes Jordan & Seale, 364; orthotype *BALISTES STELLARIS* Bl. & Sch. Substitute for *LEIURUS* Sw., preoccupied.

Trimma Jordan & Seale, 391; orthotype *T. CÆSIURA* Jordan & Seale.

Vitreola Jordan & Seale, 393; orthotype *V. SAGITTA* Jordan & Seale.

Vaimosa Jordan & Seale, 395; orthotype *V. FONTINALIS* Jordan & Seale. A synonym of *MUGILOGOBIUS* Smitt, 1899.

Vailima Jordan & Seale, 398; orthotype *V. STEVENSONI* Jordan & Seale.

Exyrias Jordan & Seale, 405; orthotype *GOBIUS PUNTANGOIDES* Blkr.

Pselaphias Jordan & Seale, 406; orthotype *GOBIUS OPHTHALMONEMUS* Blkr.

Waitea Jordan & Seale, 407; orthotype *GOBIUS MYSTACINUS* Cuv. & Val.

Mars Jordan & Seale, 408; orthotype *M. STRIGILLICEPS* Jordan & Seale.

Kelloggella Jordan & Seale, 409; orthotype *K. CARDINALIS* Jordan & Seale. (First noticed by Jordan & Evermann, *Fishes of Hawaii*, 1905.)

Sauvagea Jordan & Seale, 420; orthotype *LEPIDOBLENNIUS CALEDONICUS* Sauvage. Substitute for *LEPIDOBLENNIUS* Sauvage, preoccupied.

2055. JORDAN & SNYDER (1906). *A Review of the Pæciliidæ or Killifishes of Japan.* Proc. U. S. Nat. Mus., XXXI, 287-290. (Sept. 10, 1906.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Oryzias Jordan & Snyder, 289; orthotype *PÆCILIA LATIPES* T. & S.

2056. JORDAN & STARKS (1906). *Notes on a Collection of Fishes from Port Arthur, Manchuria, Obtained by James Francis Abbott.* Proc. U. S. Nat. Mus., XXXI, 515-526. (Sept. 10, 1906.)

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Ranulina Jordan & Starks, 523; orthotype *R. FIMBRIIDENS* Jordan & Starks.

2057. JORDAN & STARKS (1906). *A Review of the Flounders and Soles of Japan.* Proc. U. S. Nat. Mus., XXXI, 161-246.

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

Cynopsetta (Schmidt) Jordan & Starks, 188; orthotype *C. DUBIA* Schmidt.

Limandella Jordan & Starks, 204; orthotype *PLEURONECTES YOKOHAMÆ* Gthr.

Amate Jordan & Starks, 228; orthotype *ACHIRUS JAPONICUS* T. & S.

2058. LERICHE (1908). *Note préliminaire sur les poissons nouveaux de l'Oligocène Belge.* Bull. Soc. Belge Geol., XXII.

MAURICE LERICHE.

Neocybium Leriche, 379; orthotype *N. ROSTRATUM* Leriche (fossil).

2059. OGILBY (1906). (*A New Genus of Sharks.*) Proc. Roy. Soc. Queensland, XX.

JAMES DOUGLAS OGILBY.

Brachælurus Ogilby, 27; orthotype *CHILOSCYLLIUM MODESTUM* Gthr.

2060. OSORIO (1906). *Description d'un poisson des profondeurs appartenant à un genre nouveau et trouvé sur les côtes du Portugal*. Lisboa, J. Sci., VII, 1906, 172-174.

BALTHAZAR OSORIO.

Lophocephalus Osorio, 173; orthotype *L. ANTHRAX* Osorio.

2061. PAPPENHEIM (1906). *Neue und ungenügend bekannte elektrische Fische (Mormyridæ) aus den deutsch-afrikanischen Schutzgebieten*. Sitzber. Ges. Naturf. Berlin, 1906, 260-264.

PAUL PAPPENHEIM.

Hippopotamyrus Pappenheim, 260; orthotype *H. CASTOR* Pappenheim.

2062. REGAN (1906). *A Revision of the South American Cichlid Genera Retroculus, Geophagus, Heterogramma, and Biotæcus*. Ann. Mag. Nat. Hist., XVII, 49-66.

CHARLES TATE REGAN.

Heterogramma Regan, 63; orthotype *H. BORELLI* Regan = *H. RITENSE* Haseman. Name preoccupied; replaced by *APISTOGRAMMA* Regan, 1913.

2063. REGAN (1906). *Notes on Some Loricariid Fishes, with Descriptions of Two New Species*. Ann. Mag. Nat. Hist. (7), XVII, 94-98.

CHARLES TATE REGAN.

Thysanocara Regan, 96; orthotype *XENOCARA CIRRHOSA* Regan.

2064. REGAN (1906). *Descriptions of New or Little Known Fishes from the Coast of Natal*. Ann. Natal Govt. Mus., I, pt. 1, 1-6.

CHARLES TATE REGAN.

Pliotrema Regan, 1; orthotype *P. WARRENI* Regan.

2065. SEALE (1906). *Fishes of the South Pacific*. Honolulu, H. I. Occ. Papers Bernice Bishop Mus., 4, 1906, 1-89.

ALVIN SEALE.

Deleastes Seale, 80; orthotype *D. DÆCTOR* Seale.

2066. SMITH & POPE (1906). *List of Fishes Collected in Japan in 1903, with Descriptions of New Genera and Species*. Proc. U. S. Nat. Mus., XXXI, 459-499. (Sept. 24, 1906.)

HUGH McCORMICK SMITH; THOMAS E. B. POPE.

Tosana Smith & Pope, 470; orthotype *T. NIWÆ* Smith & Pope.

Satsuma Smith & Pope, 472; orthotype *S. MACROPS* Smith & Pope. A synonym of *MALAKICHTHYS* Döderlein.

Lysodermus Smith & Pope, 483; orthotype *L. SATSUMÆ* Smith & Pope.

Lambdopsetta Smith & Pope, 496; orthotype *L. KITAHARÆ* Smith & Pope.

2067. SMITH & SEALE (1906). *Notes on a Collection of Fishes from the Island of Mindanao, Philippine Archipelago, with Descriptions of New Genera and Species*. Proc. Biol. Soc. Wash., XIX, 73-82.

HUGH McCORMICK SMITH; ALVIN SEALE.

Illana Smith & Seale, 73; orthotype *I. CACABET* Smith & Seale.

Caragobius Smith & Seale, 81; orthotype *C. TYPHLOPS* Smith & Seale.

2068. STEINDACHNER (1906). *Ueber eine neue Gattung und Art aus der Familie der Murænidæ, Nettastomops barbatula*. Anz. Ak. Wiss., 1906, 299-300.

FRANZ STEINDACHNER.

Nettastomops Steindachner, 299; orthotype *N. BARBATULA* Steind.

2069. STEINDACHNER (1906). *Zur Fischfauna der Samoa-Inseln.* Sb. Ak. Wiss. Wien., CXV, July, 1906.

FRANZ STEINDACHNER.

Kræmeria Steindachner, 1409 (41); orthotype *K. SAMOENSIS* Steind. (TRICHONOTIDÆ).

2070. WERNER (1906). *Beiträge zur Kenntnis der Fischfauna des Nils.* Ans Ak. Wiss. Wien., 1906, 325-327.

FRANZ WERNER.

Slatinia Werner, 326; orthotype *S. MONGALLENSIS* Werner.

1907.

2071. BERG (1907). *Die Cataphracti des Baikal-Sees. (Fam. Cottidæ, Cotto-
comephoridæ und Comephoridæ.) Beiträge zur Osteologie und Systematik.*
St. Petersburg und Berlin, 1907, 1-75.

LEW SEMENOWITCH BERG.

Cottinella Berg, 45; orthotype *ABYSSOCOTTUS BOULENGERI* Berg.

2072. BERG (1907). *Description of a New Cyprinoid Fish, Paraleucogobio nota-
canthus, from North China.* Ann. Mag. Nat. Hist., XIX, 1907, 163-164.

LEW SEMENOWITCH BERG.

Paraleucogobio Berg, 163; orthotype *P. NOTACANTHUS* Berg.

2073. BERG (1907). *Verzeichniss der Fische von Russisch-Turkestan.* St. Peters-
berg, Ann. Mus. Zool. Ac. Sc., X, 1905 (1907), 316-332.

LEW SEMENOWITCH BERG.

Aspiolucius Berg, 12; orthotype *ASPIUS ESOCINUS* Kessler.

2074. BERG (1907). *Description of a New Cyprinoid Fish, Acheilognathus sig-
nifer, from Korea, with a Synopsis of All the Known Rhodeinæ.* Ann. Mag.
Nat. Hist., XIX, 159-163.

LEW SEMENOWITCH BERG.

Pararhodeus Berg, 160; orthotype *RHODEUS SYRIACUS* Lortet.

2075. BERG (1907). *Beschreibungen einiger neuer Fische aus dem Stromgebiet
des Amur.* St. Petersburg, Ann. Mus. Zool. Ac. Sc., XII, 1907, 418-423.

LEW SEMENOVITCH BERG.

Plagiognathops Berg, 419; orthotype *PLAGIOGNATHUS JELSKII* Dybowski = *XENOCY-
PRIS MICROLEPIS* Blkr. A substitute for *PLAGIOGNATHUS* Berg, preoccupied in
HEMIPTERA.

2076. EASTMAN (1907). *Devonic Fishes of the New York Formations.* Mem.
N. Y. State Mus., X, 1907.

CHARLES ROCHESTER EASTMAN.

Protitanichthys Eastman, 144; orthotype *P. FOSSATUS* Eastman (fossil; front
half of a cranium of an ARTHRODIRE). A synonym of *COCCOSTEUS* Ag. (See
Hussakof. Science, XXVIII, 311, 1909.)

2077. EIGENMANN (1907). *The Pœciliid Fishes of Rio Grande do Sul and the La Plata Basin*. Proc. U. S. Nat. Mus., XXXII, 1907, 425-433 (May 23, 1907).
CARL H. EIGENMANN.
- Acanthophaelus** Eigenmann, 425; orthotype PÆCILIA RETICULATA Peters. A synonym of LEBISTES Philippi, 1861, according to Henn.
- Ilyodon** Eigenmann, 427; orthotype I. PARAGUAYENSE Eigenmann.
- Phalloptychus** Eigenmann, 430; orthotype GIRARDINUS JANUARIUS Hensel.
- Phalloceros** Eigenmann, 431; orthotype GIRARDINUS CAUDOMACULATUS Hensel.
2078. EIGENMANN (1907). *Fowler's "Heterognathus Fishes," with a note on the Stethaprioninæ*. Amer. Naturalist, XLI, No. 492, 1907, 767-772.
CARL H. EIGENMANN.
- Phenacogaster** Eigenmann, 769; orthotype ASTYANAX PECTINATUS Cope.
- Astyacinus** Eigenmann, 769; orthotype ASTYANAX MOORI Boulenger.
- Fowlerina** Eigenmann, 771; orthotype TETRAGONOPTERUS COMPRESSUS Gthr. Name preoccupied; replaced by EPHIPPICARAX Fowler.
2079. EIGENMANN & BEAN (1907). *An Account of Amazon River Fishes Collected by J. B. Steere, with a Note on Pimelodus clarias*. Proc. U. S. Nat. Mus., XXXI, 659-668. (Jan. 16, 1907.)
CARL H. EIGENMANN; BARTON APPLER BEAN.
- Tænionema** Eigenmann & Bean, 662; orthotype BRACHYPLATYSTOMA STEEREI Eigenmann & Bean.
- Paracetopsis** Eigenmann & Bean, 665; orthotype CETOPSIS OCCIDENTALIS.
2080. EIGENMANN & OGLE (1907). *An Annotated List of Characine Fishes in the United States Nat. Mus. and the Mus. of Ind. Univ., with Descriptions of New Species*. Proc. U. S. Nat. Mus., XXXIII, 1-36. (Sept. 10, 1907.)
CARL H. EIGENMANN; FLETCHER OGLE.
- Gilbertolus** Eigenmann, 2; orthotype ANACYRTUS ALATUS Steind. Substitute for GILBERTELLA Eigenmann, preoccupied.
- Evermannolus** Eigenmann, 2; orthotype CYNOPOTAMUS BISERIALIS Garman. Substitute for EVERMANNELLA Eigenmann, preoccupied.
- Phenacogrammus** Eigenmann, 30; orthotype MICRALESTES INTERRUPTUS Boulenger.
2081. EIGENMANN, McATEE & WARD (1907). *On Further Collections of Fishes from Paraguay*. Ann. Carnegie Mus., 4, 1907, 110-157.
CARL H. EIGENMANN; W. J. McATEE; D. P. WARD.
- Homodiætus** Eigenmann & Ward, 117; orthotype H. ANISTISTI Eigenmann & Ward.
- Hemonemus** Eigenmann & Ward, 118; orthotype STEGOPHILUS INTERMEDIUS Eigenmann & Eigenmann.
- Bryconamericus** Eigenmann, 139; orthotype B. EXODON Eigenmann.
- Deuterodon** Eigenmann, 140; orthotype D. IGUAPE Eigenmann.
- Chætobranchopsis** Eigenmann & Ward, 144; orthotype C. AUSTRALIS Eigenmann & Ward.
2082. EVERMANN & SEALE (1907). *Fishes of the Philippine Islands*. Bull. Bur. of Fish., XXVI (1906), 1907, 49-110.
BARTON WARREN EVERMANN; ALVIN SEALE.
- Nesogrammus** Evermann & Seale, 61; orthotype N. PIERSONI Evermann & Seale.
- Hypomacrus** Evermann & Seale, 101; orthotype H. ALBIENSIS Evermann & Seale.

2083. FOWLER (1907). *Further Knowledge of Some Heterognathous Fishes, II.* Proc. Ac. Nat. Sci. Phila., LVIII, 431-483. (Jan. 7 and Jan. 16, 1907.)

HENRY WEED FOWLER.

Pellegrinina Fowler, 442; orthotype *P. HETEROLEPIS* Fowler.

Coscinoxyron Fowler, 450; orthotype *CHALCINUS CULTER* Cope.

Thoracocharax Fowler, 452; orthotype *GASTROPELECUS STELLATUS* Kner.

Cyrtocharax Fowler, 454; orthotype *ANACYRTUS LIMÆSQUAMIS* Cope. A synonym of *CYNOPOTAMUS*.

Cynocharax Fowler, 457; orthotype *ANACYRTUS AFFINIS* Gthr.

Sphyrænocharax Fowler, 460; orthotype *XIPHORHAMPHUS ABBREVIATUS* Cope. A synonym of *ACESTORHAMPHUS* Eigenmann.

Belonocharax Fowler, 464; orthotype *B. BEANI* Fowler. A synonym of *LUCIOCHARAX* Steind., and of the imperfectly described *CTENOLUCIUS* Gill.

Waiteina Fowler, 473; orthotype *MYLETES NIGRIPINNIS* Cope. Probably a synonym of *COLOSSOMA* Eigenmann.

Reganina Fowler, 475; orthotype *MYLESTES BIDENS* Ag. Probably a synonym of *COLOSSOMA*.

Starksina Fowler, 476; orthotype *MYLESTES HARNIARIUS* Cope. Probably a synonym of *MYLOSOMA*.

Sealeina Fowler, 478; orthotype *MYLESTES LIPPINCOTTIANUS* Cope.

2084. FOWLER (1907). *Some New and Little Known Percoid Fishes.* Proc. Acad. Nat. Sci. Phila., LVIII, 510-528. (Feb. 14, 1907.)

HENRY WEED FOWLER.

Boulengerina Fowler, 512; orthotype *DULES MATO* Lesson. Name preoccupied; replaced by *SAFOLE* Jordan.

Astrapogon Fowler, 527; orthotype *APOGONICHTHYS STELLATUS* Cope.

2085. FOWLER (1907). *Notes on Serranidæ.* Proc. Acad. Nat. Sci. Phila., LIX, 249-269. (Aug. 16, 1907.)

HENRY WEED FOWLER.

Chrysoperca Fowler, 250; orthotype *MORONE INTERRUPTA* Gill.

Eudulus Fowler, 264; orthotype *DULES AURIGA* Cuv. Substitute for *DULES* Cuv., regarded as preoccupied by *DULUS*, a genus of birds.

Callidulus Fowler, 265; orthotype *CENTROPRISTIS SUBLIGARIUS* Cope.

2086. FOWLER (1907). *A Collection of Fishes from Victoria, Australia.* Proc. Acad. Nat. Sci. Phila., LIX, 419-444.

HENRY WEED FOWLER.

Psychichthys Fowler, 419; orthotype *HYDROLAGUS WAITEI* Fowler.

Limiculina Fowler, 425; orthotype *CENTRISCUS HUMEROSUS* Rich. A synonym of *CENTRISCOPS* Gill.

Macleayina Fowler, 426; orthotype *HIPPOCAMPUS BLEEKERI* Fowler.

Castelnauia Fowler, 426; orthotype *SOLENOGNATHUS SPINOSISSIMUS* Gthr.

Lesueurina Fowler, 440; orthotype *L. PLATYCEPHALA* Fowler. (Written also *LESUEURIELLA*, a slip of proof-reading.)

2087. GRACIANOV (1907). *Versuch einer Uebersicht der Fische des Russischen Reiches in systematischer und geographischer Hinsicht.* (Text in Russian.) Trd. Otd. Ichtiol. Obsc. Akklimat. Moskva., 4, 1907, 1-567.

VALERIAN GRACIANOV.

Malacobatis Gracianov, 39; orthotype *RAJA MUCOSA* Pallas.

- Hexagrammoides** Gracianov, 289; orthotype *H. nudigenis* Gracianov, which is probably *HEXAGRAMMOS LAGOCEPHALUS* (Pallas) or perhaps *H. superciliosus* (Pallas). A synonym of *HEXAGRAMMOS* Steller. It is very briefly described from a specimen from Bering Island. "Division of the dorsal fin not complete; in the first dorsal about 20 rays." The name "NUDIGENIS" indicates scaleless cheeks, but *H. stelleri*, with the cheeks more fully naked, has more than 20 dorsal spines.
- Taurulus** Gracianov, 296; orthotype *COTTUS BUBALIS* Euphrasen.
- Trigrammus** Gracianov, 418; orthotype *ERNOGRAMMUS STROSHI* Schmidt.
- Pseudophidium** Gracianov, 420; orthotype *OPHIDIUM GIGANTEUM* Kittlitz.
2088. GRACIANOV (1907). *Uebersicht de Süßwassercottiden des russischen Reiches*. Zool. Anz., XXXI, 1907, 654-660.
VALERIAN GRACIANOV.
- Cephalocottus** Gracianov, 659; orthotype *COTTUS AMBLYSTOMOPSIS* Schmidt.
- Mesocottus** Gracianov, 660; orthotype *COTTUS HAITEI* Dybowski.
2089. HAY (1907). *A New Genus and Species of Fossil Shark Related to Edestus Leidy*. Science (new ser.), XXVI, 1907, 22-24.
OLIVER PERRY HAY.
- Lissoprion** Hay, 22; orthotype *L. ferrieri* Hay (fossil).
2090. IHERING (1907). *Diverses especies novas de peixes nemathognathes de Brazil, notas preliminares*. Revista Mus. Paulista, n. s. I, 13-39.
RUDOLF VON IHERING.
- Rhamdioglanis** Ihering, 16; orthotype *R. frenatus* Ihering. A synonym of *IMPARFINIS* Eigenmann & Norris.
- Aspidoras** Ihering, 30; orthotype *A. rochei* Ihering.
- 2090A. IHERING (1907). *Notas Preliminares, fasciculo I*. Revista Mus. Paulista, I, 13-39.
RUDOLF VON IHERING.
- Rhamdioglanis** Ihering, 16; orthotype *R. frenatus* Ihering.
2091. JAEKEL (1907). *Ueber Pholidosteus die Mundung und die Körperform der Placodermen*. Sitzber. Ges. Naturf. Freunde, 1907, 170-186.
OTTO JAEKEL.
- Pholidosteus** Jaekel, 171; orthotype *P. friedelii* Jaekel.
2092. JORDAN (1907). *A Review of the Fishes of the Family Histiopteridæ Found in the Waters of Japan, with a Note on Tephritis Günther*. Proc. U. S. Nat. Mus., XXXII, 235-239. (Mar. 12, 1907.)
DAVID STARR JORDAN.
- Gilchristia** Jordan, 236; orthotype *HISTIOPTERUS RICHARDSONI* Gilchrist. A synonym of *PSEUDOPENTACEROS* Blkr.
- Quadrarius** Jordan, 236; orthotype *PENTACEROS DECACANTHUS* Gthr.
- Quinquarius** Jordan, 236; orthotype *PENTACEROS JAPONICUS* Döderlein. To replace *PENTACEROS* Cuv. & Val., regarded as preoccupied, a question not yet decided.
- Zanclistius** Jordan, 236; orthotype *HISTIOPTERUS ELEVATUS* Ramsay & Ogilby.
- Evistias** Jordan, 237; orthotype *HISTIOPTERUS ACUTIROSTRIS* T. & S. (not *EVISTIUS* Gill).
- Velifracta** Jordan, 239; orthotype *PLEURONECTES SINENSIS* Lac. Substitute for *TEPHRITIS* Gthr., preoccupied in flies (Fabricius, 1799). A synonym of the earlier substitute, *TEPHRINECTES* Gthr.

2093. JORDAN (1907). *The Fossil Fishes of California, with Supplementary Notes on Other Species of Extinct Fishes*. Univ. Cal. Publ. Geol., V, 1907, 95-144.

DAVID STARR JORDAN.

- Xenesthes** Jordan, 120; orthotype *X. VELOX* Jordan (fossil).
Etringus Jordan, 121; orthotype *E. SCINTILLANS* Jordan (fossil).
Rogenio Jordan, 128; orthotype *R. SOLITUDINIS* Jordan (fossil).
Merriamella Jordan, 131; orthotype *M. DORYSSA* Jordan (a fossil stickleback). A synonym of *GASTEROSTEUS* L.
Knightsia Jordan, 131; orthotype *CLUPEA HUMILIS* Leidy (fossil); the name *HUMILIS* preoccupied; replaced by *KNIGHTIA EOCÆNA* Jordan.
Eobrycon Jordan, 140; orthotype *TETRAGONOPTERUS AVUS* Boulenger (fossil).

2094. JORDAN & HERRE (1907). *A Review of the Cirrhitoid Fishes of Japan* Proc. U. S. Nat. Mus., XXXIII, 157-167. (Oct. 23, 1907.)

DAVID STARR JORDAN; ALBERT CHRISTIAN HERRE (1868-).

- Isobuna** Jordan, 158; orthotype *PARACIRRHITES JAPONICA* Steind. A substitute for *PARACIRRHITES* Steind., preoccupied.

2095. JORDAN & SEALE (1907). *Fishes of the Islands of Luzon and Panay*. Bull. Bur. Fish., XXIV (1906), 1907, 1-48.

DAVID STARR JORDAN; ALVIN SEALE.

- Gennadius** Jordan & Seale, 37; orthotype *SEBASTES STOLICZKÆ* Day. A synonym of *CENTROGENYS* Rich., a Serranoid fish which resembles a Scorpaenoid.
Elates Jordan & Seale, 39; orthotype *E. THOMPSONI* Jordan & Seale.
Creisson Jordan & Seale, 43; orthotype *C. VALIDUS* Jordan & Seale.

2096. JORDAN & STARKS (1907). *Note on Otohime, a New Genus of Gurnards*. Proc. U. S. Nat. Mus., XXXII, 131-133.

DAVID STARR JORDAN; EDWIN CHAPIN STARKS.

- Otohime** Jordan & Starks, 131; orthotype *TRIGLA HEMISTICTA* T. & S. A near relative of *PTERYGOTRIGLA* Waite; perhaps a synonym.

2097. MATTHEW (1907). *A New Genus and a New Species of Silurian Fish*. Proc. and Trans. Roy. Soc. Canada, Series I, Sec. 4, pp. 7-9.

GEORGE FREDERICK MATTHEW.

- Ctenopleuron** Matthew, 7; orthotype *C. NEREPISENSE* Matthew (fossil OSTRACOPHORE, New Brunswick).

2098. MAWSON AND WOODWARD (1907). *On the Cretaceous Formation of Bahia (Brazil) and on Vertebrate Fossils Collected Therein*. Quart. Journ. Geol. Soc., 63, 1907, 128-138.

JOSEPH MAWSON; ARTHUR SMITH WOODWARD.

- Mawsonia** Woodward, 134; orthotype *M. GIGAS* Woodw. (fossil).

2099. MEEK (1907). *Synopsis of the Fishes of the Great Lakes of Nicaragua*. Field Columb. Mus. Pub. Zool., Ser. 7, 1907, 97-132.

SETH EUGENE MEEK.

- Erythrichthys** Meek, 114; orthotype *HEROS CITRINELLUS* Gthr. Name twice preoccupied.

2100. OGILBY (1907). *Symbranchiate and Apodal Fishes New to Australia*. Proc. Roy. Soc. Queensland, XX, 1906, 1-15.

JAMES DOUGLAS OGILBY.

Rhabdura Ogilby, 13; orthotype *MURÆNA MACRURA* Blkr. A synonym of *EVEN-
CHELYS* J. & E.

2101. OGILBY (1907). *Some New Pediculate Fishes*. Proc. Roy. Soc. Queens-
land, XX, 1906, 17-25.

JAMES DOUGLAS OGILBY.

Rhycherus Ogilby, 17; orthotype *R. WILDII* Ogilby.

Tathicarpus Ogilby, 19; logotype *T. BUTLERI* Ogilby.

Æschynichthys Ogilby, 25; orthotype *DICERATIAS BISPINOSUS* Gthr. Substitute for
DICERATIAS Gthr., regarded as preoccupied by a genus (*DICERATIA*) of
Mollusks.

2102. PELLÉGRIN (1907). *Sur un Poisson acanthopterygien éocène (Parapy-
gæus polyacanthus n. g. n. sp.)*. Bull. Soc. Philom. Paris, ser. 9, 171-179.

JACQUES PELLÉGRIN.

Parapygæus Pellégrin, 172; orthotype *P. POLYACANTHUS* Pellégrin (fossil).

2103. PELLÉGRIN (1907). *Siluride nouveau du Fouta-Djalou*. Bull. Museum
Paris, 1907, 25-27.

JACQUES PELLÉGRIN.

Paramphilius Pellégrin, 23; orthotype *P. TRICHOMYCTEROIDES* Pellégrin.

2104. REGAN (1907). *Pisces*. Biol. Centr. Amer., 1907, 33-168.

CHARLES TATE REGAN.

Xenatherina Regan, 64; orthotype *MENIDIA LISA* Meek.

Pogonopoma Regan, 205; orthotype *PLECOSTOMUS WERTHHEIMERI* Steind.

2105. REGAN (1907). *Descriptions of Two New Characinid Fishes from Argen-
tina*. Ann. Mag. Nat. Hist., 1907 (7), XIX, 261-2.

CHARLES TATE REGAN.

Pogonocharax Regan, 261; orthotype *P. REHI* Regan.

Phoxinopsis Regan, 262; orthotype *P. TYPICUS* Regan.

2106. REGAN (1907). *Descriptions of Two New Characinid Fishes from South
America*. Ann. Mag. Nat. Hist., XX, 1907, 402-403.

CHARLES TATE REGAN.

Mimagoniates Regan, 402; orthotype *M. BARBERI* Regan.

Ctenocharax Regan, 403; orthotype *C. BOGOTENSIS* Regan. Probably a synonym of
GRUNDULUS BOGOTENSIS Humboldt.

2107. RIBEIRO (1907). *Una novidade ichthyologica; Kosmos, Rio de Janeiro, IV*.

ALIPIO DE MIRANDA RIBEIRO.

Typhlobagrus Ribeiro, 21; orthotype *T. KRONEI* Ribeiro.

2108. SAUVAGE (1907). *Sur les poissons de la famille des Cichlidæ trouvés dans
le terrain de Guelma*. Comptes Rendus, Acad. Sci., 145, 1907, 360-361.

HENRI ÉMILE SAUVAGE.

Palæochromis Sauvage, 361; logotype *P. DARESTI* Sauvage (fossil).

2109. WAITE (1907). *The Generic Name Crepidogaster*. Rec. Austr. Mus., VI,
1907.

EDGAR RAVENSWOOD WAITE.

Aspasmagaster Waite, 315; orthotype *CREPIDOGASTER TASMANIENSIS* Gthr. Substi-
tute for *CREPIDOGASTER* Gthr., preoccupied.

2110. WEBER (1907). *Süßwasserfische von Neu-Guinea; ein Beitrag zur Frage nach dem früheren Zusammenhang von Neu-Guinea und Australien. In Nova Guinea, V.* Zoologie, Leiden, 1907, 529.

MAX WEBER.

Glossolepis Weber, 241; orthotype *G. INCISUS* Weber.

2111. WOODWARD (1907). *The Fossil Fishes of the English Chalk. Pt. III.* Monogr. Palæont. Soc., 61, 1907, 97-128.

ARTHUR SMITH WOODWARD.

Dinelops Woodward, 121; orthotype *D. ORNATUS* Woodw. (fossil).

1908.

2112. BARBOUR (1908). *Notes on Rhinomuræna.* Proc. Biol. Soc. Washington, XXI, 39-41.

THOMAS BARBOUR (1884-).

Rhinechidna Barbour, 41; orthotype *RHINOMURÆNA ERITIMA* Jordan & Seale.

2113. BERG (1908). *Vorläufige Bemerkungen über die europäischasiatischen Salmonien, insbesondere die Gattung Thymallus.* Ann. Mus. Zool. St. Petersb., XII, 1908, 500-514.

LEW SEMENOVICH BERG.

Salmothymus Berg, 502; orthotype *SALMO OBTUSIROSTRIS* Heckel.

Thymalloides Berg, 503; logotype *SALMO ARCTICUS* Pallas.

2114. BOULENGER (1908). *Diagnoses of New Fishes Discovered by Capt. E. L. Rhoades in Lake Nyassa.* Ann. Mag. Nat. Hist., II, 1908, 238-243.

GEORGE ALBERT BOULENGER.

Chilotilapia Boulenger, 243; orthotype *C. RHOADESII* Boulenger.

2115. DOLLO (1908). *Notolepis coatsi. Poisson pélagique nouveau recueilli par l'Expédition Antarctique Nationale Écossaise.* Edinburgh, Proc. Roy. Soc., XXVIII, 58-65.

LOUIS DOLLO.

Notolepis Dollo, 58; orthotype *N. COATSI* Dollo.

2116. EASTMAN (1908). *Devonian Fishes of Iowa. (With Special Description of the Auditory Organ and Other Soft Parts of Rhadinichthys deani Eastman . . . G. H. Parker.)* Iowa Geol. Surv. Rept., XVIII (1907), 1908, 29-360.

CHARLES ROCHESTER EASTMAN.

Palæophichthys Eastman, 253; orthotype *P. PARVULUS* Eastman (fossil). (CROSSOPTERYGIAN from Illinois coal measures.)

2117. EIGENMANN (1908). *Preliminary Descriptions of New Genera and Species of Tetragonopterid Characins. (Zoological Results of the Thayer Brazilian Expedition.)* Bull. Mus. Comp. Zool. Harvard Coll., LII, 1908, 91-106.

CARL H. EIGENMANN.

Gymnocorymbus Eigenmann, 93; orthotype *G. THAYERI* Eigenmann.

Ctenobrycon Eigenmann, 94; orthotype *TETRAGONOPTERUS HAUXWELLIANUS* Cope.

Thayeria Eigenmann, 94; orthotype *T. OBLIQUA* Eigenmann.

- Psellogrammus** Eigenmann, 96; orthotype **HEMIGRAMMUS KENNEDYI** Eigenmann.
Poptella Eigenmann, 99; orthotype **TETRAGONOPTERUS LONGIPINNIS** Eigenmann.
Pristella Eigenmann, 99; orthotype **HOLOPRISTES RIDDEII** Meek.
Hyphessobrycon Eigenmann, 100; orthotype **HEMIGRAMMUS COMPRESSUS** Meek.
Brycochandus Eigenmann, 106; orthotype **B. DURBINI** Eigenmann.
2118. FOWLER (1908). *Notes on Lancelets and Lampreys*. Proc. Acad. Nat. Sci. Phila., LIX, 1908, 461-466. (Jan. 27, 1908.)
HENRY WEED FOWLER.
Oceanomyzon Fowler, 461; orthotype **O. WILSONI** Fowler.
2119. GARMAN (1908). *New Plagiostomia and Chismopnea*. Bull. Mus. Comp. Zool. Harvard Coll., LI, 249-256.
SAMUEL GARMAN.
Aëtomylæus Garman, 252; orthotype **MYLIOBATIS MACULATUS** Gray.
2120. JORDAN & BRANNER (1908). *The Cretaceous Fishes of Ceará, Brazil*. Smithson. Inst. Misc. Collect., LII, 1908, 1-29.
DAVID STARR JORDAN; JOHN CASPER BRANNER (1850-).
Tharrhias Jordan & Branner, 13; orthotype **T. ARARIPIS** Jordan & Branner (fossil).
Enneles Jordan & Branner, 23; orthotype **E. AUDAX** Jordan & Branner (fossil).
Cearana Jordan & Branner, 27; orthotype **C. ROCHÆ** Jordan & Branner (fossil).
2121. JORDAN & RICHARDSON (1908). *A Review of the Flat-Heads, Gurnards, and Other Mail-Cheeked Fishes of the Waters of Japan*. Proc. U. S. Nat. Mus., XXXIII, 629-670.
DAVID STARR JORDAN; ROBERT EARL RICHARDSON (1878-).
Rogadius Jordan & Richardson, 630; orthotype **PLATYCEPHALUS ASPER** Cuv. & Val.
Bambradon Jordan & Richardson, 643; orthotype **BEMBRAS LÆVIS** Nyström.
Ebisinus Jordan & Richardson, 665; orthotype **DACTYLOPTERUS CHIROPHTHALMUS** Blkr.
Dactyloptena Jordan & Richardson, 665; orthotype **DACTYLOPTERUS ORIENTALIS** Cuv. & Val.
Daicocus Jordan & Richardson, 667; orthotype **DACTYLOPTERUS PETERSENI** Nyström.
2122. JORDAN & RICHARDSON (1908). *Fishes from the Islands of the Philippine Archipelago*. Bull. Bur. Fish, XXVII (1907), 1908, 233-287.
DAVID STARR JORDAN; ROBERT EARL RICHARDSON.
Aparrius Jordan & Richardson, 278; orthotype **A. ACUTIPINNIS** Jordan & Richardson.
2123. JORDAN & SNYDER (1908). *Descriptions of Three New Species of Carangoid Fishes from Formosa*. Mem. Carneg. Mus., IV, 37-40.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
Ulua Jordan & Snyder, 39; orthotype **U. RICHARDSONI** Jordan & Snyder.
2124. JORDAN & STARKS (1908). *On a Collection of Fishes from Fiji, with Notes on Certain Hawaiian Fishes*. Proc. U. S. Nat. Mus., XXXIV. (Sept. 14, 1908.)
DAVID STARR JORDAN; EDWIN CHAPIN STARKS.
Rastrelliger Jordan & Starks, 607; orthotype **SCOMBER BRACHYSOMUS** Blkr.
2125. OGILBY (1908). *New or Little Known Fishes in the Queensland Museum*. Ann. Queensland Mus., IX, Pt. 1, 1908, 1-41.
JAMES DOUGLAS OGILBY.

Cirriscyllium Ogilby, 4; orthotype *CHILOSCYLLIUM MODESTUM* Gthr. A synonym (due to oversight) of *BRACHÆLURUS* Ogilby.

Nemapteryx Ogilby, 10; orthotype *ARIUS STIRLINGI* Ogilby.

Anyperistius Ogilby, 11; orthotype *A. PERUGLÆ* Ogilby = *EUMEDA ELONGATA* Perugia, not of Castelnau, which is the young of *NEOSILURUS HYRTLII* Steind. A synonym of *TANDANUS* Mitchell.

Jenynsella Ogilby, 15; orthotype *J. WEATHERILLI* Ogilby. A synonym of *RETROPINNA* Gill.

Squalomugil Ogilby, 28; orthotype *MUGIL NASUTUS* De Vis. A synonym of *RHINOMUGIL* Gill.

2126. OGILBY (1908). *Revision of the Batrachoididæ of Queensland*. Ann. Queensland Mus., IX, pt. 2, 43-57. (These genera of Toad-fishes had been indicated, not described, by Ogilby in the Ann. Rept. Amateur Fishermen's Association, Queensland, 1907.)

JAMES DOUGLAS OGILBY.

Batrachomœus Ogilby, 46; orthotype *B. BROADBENTI* Ogilby. Perhaps a synonym of *PSEUDOBATRACHUS* Castelnau, imperfectly described.

Halobatrachus Ogilby, 46; orthotype *BATRACHUS DIDACTYLUS* Bl. & Schn.

Coryzichthys Ogilby, 51; orthotype *BATRACHUS DIEMENSIS* Ogilby.

2127. OGILBY (1908). *Descriptions of New Queensland Fishes*. Proc. Roy. Soc. Queensland, XXI, 1908, 87-98.

JAMES DOUGLAS OGILBY.

Eurycaulus Ogilby, 91; orthotype *BELONE PLATYURA* Cuv. & Val. (gill rakers present; tail keeled). Name preoccupied; replaced by *TROPIDOCAULUS* Ogilby.

Stenocaulus Ogilby, 91; orthotype *BELONE KREFFTI* Gthr.

Pseudomycterus Ogilby, 94; orthotype *M. MACCULLOCHI* Ogilby. A synonym or section of *SCIÆNA* L.

2128. OGILBY (1908). *On New Genera and Species of Fishes*. Proc. Roy. Soc. Queensland, XXI, 1-26.

JAMES DOUGLAS OGILBY.

Ptenonotus Ogilby, 13; orthotype *EXOCÆTUS CIRRIKER* Peters.

Merogymnus Ogilby, 18; orthotype *M. EXIMIUS* Ogilby.

2129. PASCOE (1908). *Marine Fossils in the Yenangyaung Oil-Field, Upper Burma*. Records Geol. Surv. India, XXXVI, 135-142.

E. H. PASCOE.

Twingonia Pascoe, 138, pl. 18; (no specific name proposed) (fossil, Miocene). Described as a foraminifer, but later shown by E. W. Vredenburg to be a fish otolith or ear bone (*vide* Hussakof).

2130. PELLÉGRIN (1908). *Characinides Américains nouveaux de la Collection du Muséum d'Histoire Naturelle*. Bull. Mus. d'Hist. Nat. Paris, VII, 342-347.

JACQUES PELLÉGRIN.

Anostomoides Pellégrin, 346; orthotype *A. ANALIS* Pellégrin.

2131. REGAN (1908). *Report on the Marine Fishes Collected by Mr. J. Stanley Gardiner in the Indian Ocean*. Trans. Linn. Soc. London, XII, 1908, 217-225.

CHARLES TATE REGAN.

Borostomias Regan, 217; orthotype *B. BRAUERI* Regan.

Xenanthias Regan, 223; orthotype *X. GARDINERI* Regan.

Pogonoscorpius Regan, 236; orthotype *P. SEYCHELLENSIS* Regan.

Psammichthys Regan, 246; orthotype *P. NUDUS* Regan.

Sladenia Regan, 250; orthotype *S. GARDINERI* Regan.

2132. REGAN (1908). *Descriptions of New Fishes from Lake Candidius, Formosa, Collected by Dr. A. Moltrecht.* Ann. Mag. Nat. Hist., II, 1908, 358-360.

CHARLES TATE REGAN.

Pararasbora Regan, 360; orthotype *P. MOLTRECHTI* Regan.

2133. REGAN (1908). *A Synopsis of the Fishes of the Subfamily Salanginae.* Ann. Mag. Nat. Hist. (8), II, 444-446.

CHARLES TATE REGAN.

Hemisalanx Regan, 444; orthotype *H. PROGNATHUS* Regan.

Parasalanx Regan, 444; logotype *P. GRACILLIMUS* Regan.

2134. REGAN (1908). *A New Generic Name for An Orectolobid Shark.* Ann. Mag. Nat. Hist., II, 1908, 454-455.

CHARLES TATE REGAN.

Heteroscyllium Regan, 455; orthotype *BRACHÆLURUS COLCLOUGHI* Ogilby.

2135. REGAN (1908). *A Collection of Fresh-Water Fishes Made by Mr. C. F. Underwood in Costa Rica.* Ann. Mag. Nat. Hist., II, 1908, 455-464.

CHARLES TATE REGAN.

Petalosoma Regan, 458; orthotype *P. CULTRATUM* Regan.

Xenorhynchichthys Regan, 461; orthotype *JOTURUS STIPES* J. & G.

Tomocichla Regan, 463; orthotype *T. UNDERWOODI* Regan.

2136. REGAN (1908). *A Revision of the Sharks of the Family Orectolobidae.* Proc. Zool. Soc. London, 1908, 347-364.

CHARLES TATE REGAN.

Eucrossorhinus Regan, 357; orthotype *CROSSORHINUS DASYPOGON* Blkr.

2137. RIBEIRO (1908). *Peixes da Ribeiro, resultados de excursao do Senhor Ricardo Krone . . .* Kosmos, Rio de Janeiro, V, 1-5.

ALIPIO DE MIRANDA RIBEIRO.

Coelurichthys Ribeiro, 2; orthotype *C. IPORANGÆ* Ribeiro.

2137A. RIBEIRO (1908). *Peixes, da Ribeiro, resultados de excursão do Sr. Ricardo Krone, membro correspondente do Museu Nacional do Rio de Janeiro,* V, 1-5.

ALIPIO DE MIRANDA RIBEIRO.

Kronichthys Ribeiro, 1; orthotype *K. SUBTERES* Ribeiro; a synonym of *HEMIPSILICHTHYS* Eigenmann.

2138. SEALE & BEAN (1908). *On a Collection of Fishes from the Philippine Islands, Made by Maj. Edgar A. Mearns, Surgeon, U. S. Army, with Descriptions of Seven New Species.* Proc. U. S. Nat. Mus., XXXII, 1908, 229-248.

ALVIN SEALE; BARTON APPLER BEAN.

Mearnsella Seale & Bean, 229; orthotype *M. ALĒSTES* Seale & Bean.

2139. SNYDER (1908). *Descriptions of Eighteen New Species and Two New Genera of Fishes from Japan and the Riu Kiu Islands.* Proc. U. S. Nat. Mus., XXXV, 93-111. (Oct. 30, 1908).

JOHN OTTERBEIN SNYDER.

Doryptena Snyder, 102; orthotype *D. OKINAWÆ* Snyder.

Xenisthmus Snyder, 105; orthotype *X. PRORIGER* Snyder.

2140. STARKS (1908). *On a Communication Between the Air-Bladder and the Ear in Certain Spiny-Rayed Fishes.* Science, XXVIII, 1908, 613-614.

EDWIN CHAPIN STARKS.

Adioryx Starks, 614; orthotype *HOLOCENTRUM SUBORBITALE* Gill.

2141. STEINDACHNER (1908). *Ueber eine im Rio Juraguà bei Joinville, im Staate S. Catharina, Brasilien . . . eine neue Characinengattung.* Anz. Ak. Wiss. Wien., LXV.

FRANZ STEINDACHNER.

Zungaropsis Steindachner, 7; orthotype *Z. MULTIMACULATUS* Steind.

Joinvillea Steindachner, 30; orthotype *J. ROSÆ* Steind. A synonym of *DEUTERODON* Eigenmann.

2142. TANAKA (1908). *Notes on Some Rare Fishes of Japan, with Descriptions of Two New Genera and Six New Species.* Journ. Coll. Sci. Tokyo, XXIII, Art. 13, 1-24.

SHIGEHO TANAKA.

Tetronarcine Tanaka, 2; orthotype *T. TOKIONIS* Tanaka.

Gymnosimenchelys Tanaka, 2; orthotype *G. LEPTOSOMUS* Tanaka.

Paraceratias Tanaka, 18; orthotype *CERATIAS MITSUKURII* Tanaka.

Owstonia Tanaka, 46; orthotype *O. TOTOMIENSIS* Tanaka.

2143. WOODWARD (1908). *The Fossil Fishes of the Hawkesbury Series at St. Petersburg.* Mem. Geol. Surv. New South Wales, Palæontology, X, pp. vi, 31.

ARTHUR SMITH WOODWARD.

Elpisopholis Woodward, 17; orthotype *E. DUNSTANI* Woodw. (fossil) (*PALÆONISCIDÆ*).

1909.

2144. ANNANDALE (1909). *Report on the Fishes Taken by the Bengal Fisheries Steamer "Golden Crown." Part I, Batoidei.* Mem. Ind. Mus. Calcutta, 2, no. 1, 1909, 1-58.

NELSON ANNANDALE.

Bengalichthys Annandale, 47; orthotype *B. IMPENNIS* Annandale.

2145. BEAN & WEED (1909). *Description of a New Skate (Dactylobatus armatus) from Deep Water off the Southern Atlantic Coast of the United States.* Proc. U. S. Nat. Mus., XXXVI, 1909, 459-561. (May 27, 1909.)

BARTON APPLER BEAN; ALFRED C. WEED.

Dactylobatus Bean & Weed, 459; orthotype *D. ARMATUS* Bean & Weed.

2146. BOULENGER (1909). *Descriptions of New Fresh-Water Fishes Discovered by Mr. G. L. Bates in South Cameroon.* Ann. Mag. Nat. Hist., IV, 1909, 186-188.

GEORGE ALBERT BOULENGER.

Champsoborus Boulenger, 187; orthotype *C. PELLEGRINI* Boulenger.

2147. BROOM (1909). *The Fossil Fishes of the Upper Karoo Beds of South Africa*. Ann. S. Afr. Mus., VII, 251-268.

ROBERT BROOM.

Helichthys Broom, 254; orthotype *H. BROWNI* Broom (fossil). (PALÆONISCID.)

Hydropessum, 266; orthotype *H. TANNEMEYERI* Broom (fossil). (Imperfect Fish, GANOID.)

2148. CLIGNY (1909). *Sur un nouveau genre de Zéïdes*. Comptes Rendus. Acad. Sci. Paris, 148, 1909, 873-874.

ADOLPHE CLIGNY.

Parazenopsis Cligny, 874; orthotype *P. ARGENTEUS* Cligny.

2149. COCKERELL (1909). *The Nomenclature of the American Fishes Usually Called Leuciscus and Rutilus*. Proc. Biol. Soc. Wash., XXII, 1909, 215-217.

THEODORE DRU ALISON COCKERELL.

Temeculina Cockerell, 216; orthotype *LEUCISCUS ORCUTTI* Eigenmann & Eigenmann.

Margariscus Cockerell, 217; orthotype *CLINOSTOMUS MARGARITA* Cope.

2150. COCKERELL & ALLISTON (1909). *The Scales of Some American Cypinidæ*. Proc. Biol. Soc. Wash., XXII, 1909, 157-163.

THEODORE DRU ALISON COCKERELL; EDITH M. ALLISTON.

Macrhybopsis Cockerell & Alliston, 162; orthotype *GOBIO GELIDUS* Grd.

2151. COCKERELL & CALLAWAY (1909). *Observations on the Fishes of the Genus Notropis*. Proc. Biol. Soc. Wash., XXII, 1909, 189-196.

THEODORE DRU ALISON COCKERELL; OTIS CALLAWAY.

Coccogenia Cockerell & Callaway, 190; orthotype *HYPHILEPIS COCCOGENIS* Cope. A synonym of *Coccotis* Jordan.

2152. DOLLO (1909). *Cynomacrurus piriei, poisson abyssal nouveau recueilli par l'Expédition Antarctique Nationale Écossaise*. Proc. Roy. Soc. Edinb., XXIX, 1909, 316-326.

LOUIS DOLLO.

Cynomacrurus Dollo, 316; orthotype *C. PIRIEI* Dollo.

2153. DURBIN (1909). *A New Genus and Twelve New Species of Tetragonopterid Characins. (Reports on the Expedition to British Guiana of the Indiana University and the Carnegie Museum, 1908, No. 2.)* Ann. Carneg. Mus., VI, 1909, 55-72.

MARION LEE DURBIN.

Dermatocheir Durbin, 55; orthotype *D. CATABLEPTA* Durbin.

2154. EIGENMANN (1909). *Some New Genera and Species of Fishes from British Guiana. (Reports on the Expedition to British Guiana of the Indiana University and the Carnegie Museum, 1908, No. 1.)* Ann. Carnegie Mus., VI, 1909, 4-54.

CARL H. EIGENMANN.

Corymbophanes Eigenmann, 5; orthotype *C. ANDERSONI* Eigenmann.

Lithogenes Eigenmann, 6; orthotype *L. VILLOSUS* Eigenmann.

Pterodiscus Eigenmann, 12; orthotype *P. LEVIS* Eigenmann.

Carnegiella Eigenmann, 13; orthotype *GASTEROPELECUS STRIGATUS* Gthr.

Holobrycon Eigenmann, 33; orthotype *BRYCON PESU* M. & T.

Triurobrycon Eigenmann, 33; orthotype *BRYCON LUNDII* Lütken.

Pœcilocharax Eigenmann, 34; orthotype *P. BOVALII* Eigenmann.

Pœcilobrycon Eigenmann, 43; orthotype *P. HARRISONI* Eigenmann.

Archicheir Eigenmann, 46; orthotype *A. MINUTUS* Eigenmann.

Acanthophaelus Eigenmann, 52; orthotype *A. MELANZONUS* Eigenmann.

Tomeurus Eigenmann, 53; orthotype *T. GRACILIS* Eigenmann.

Microcharax Eigenmann, 55; orthotype *NANNOSTOMUS LATERALIS* Boulenger.

2155. EIGENMANN (1909). *The Fresh-Water Fishes of Patagonia, and An Examination of the Archiplata-Archihelenis Theory*. Princeton Univ., 3, (Zoology), 1909, 225-374.

CARL H. EIGENMANN.

Hatcheria Eigenmann, 250; orthotype *H. PATAGONIENSIS* Eigenmann.

2156. GILCHRIST & THOMPSON (1909). *Descriptions of Fishes from the Coast of Natal, Pt. 2*. Ann. S. African Mus., VI, 1909, 213-276.

J. D. F. GILCHRIST; WARDLAW THOMPSON.

Chæropsodes Gilchrist & Thompson, 260; orthotype *C. PICTUS* Gilchrist & Thompson.

2157. HUSSAKOF (1909). *The Systematic Relations of Certain American Arthrodires*. Bull. Amer. Mus. Nat. Hist., XXVI, 263-272.

LOUIS HUSSAKOF.

Brachygnathus Hussakof, 263; orthotype *DINICHTHYS MINOR* Newberry (fossil). Based on mandible and dorsomedian. Preoccupied; name replaced by *HUSSAKOFIA* Cossman.

Dinognathus Hussakof, 268; orthotype *D. FEROX* Hussakof (fossil). Dental element (fossil: Upper Devonian, Ohio).

2158. JAEKEL (1909). *Fischreste aus den Mamfe-Schiefeln*. (In *Beiträge zur Geologie vom Kammerun, bearb., V. C. Guillemain.*) Abh. Geol. Landes Anst. (N. F.), H. 62, 1909 (1910), 392-398.

OTTO JAEKEL.

Proportheus Jaekel, 396; orthotype *P. KAMERUNI* Jaekel (fossil).

2159. JORDAN & RICHARDSON (1909). *A Catalogue of the Fishes of the Island of Formosa or Taiwan, Based on the Collection of Dr. Hans Sauter*. Mem. Carneg. Mus., IV, No. 4, 1909, 159-204.

DAVID STARR JORDAN; ROBERT EARL RICHARDSON.

Candidia Jordan & Richardson, 169; orthotype *OPSARIICHTHYS BARBATUS* Regan.

2160. PELLÉGRIN (1909). *Characinidés du Brésil, rapportés par M. Jobert*. Bull. Museum Paris, 1909, 147-153.

JACQUES PELLÉGRIN.

Curimatella Pellégrin, 150; orthotype *CURIMATUS ALBURNUS* M. & T.

Jobertina Pellégrin, 151; orthotype *CHARICIDIUM INTERRUPTUM* Pellégrin.

2161. PELLÉGRIN (1909). *Characinidés américains nouveaux de la collection du Museum d'histoire naturelle*. Bull. Mus. Paris, 1908, 342-347.

JACQUES PELLÉGRIN.

Anostomoides Pellégrin, 346; orthotype *A. ATRIANALIS* Pellégrin.

2162. SEALE (1909). *New Species of Philippine Fishes*. Philip. Journ. Sci., IV, 1909, 49-543.

ALVIN SEALE.

Biat Seale, 532; orthotype *B. LUZONICA* Seale.

Macgregorella Seale, 533; orthotype *M. MOROANA* Seale.

2163. SNYDER (1909). *Descriptions of New Genera and Species of Fishes from Japan and the Riu Kiu Islands*. Proc. U. S. Nat. Mus., XXXVI, 1909, 597-610. (June 18, 1909.)

JOHN OTTERBEIN SNYDER.

Expedio Snyder, 606; orthotype *E. PARVULUS* Snyder.
Inu Snyder, 607; orthotype *I. KOMA* Snyder.

2164. STECHE (1909). *Die Leuchtorgane von . . . zwei Oberflächens-fischen aus dem Malaischen Archipel*. Zeit. Wiss. Zool. XCIII.

OTTO STECHE.

Protoblepharon Steche, about 400; orthotype *P. PALPEBRATUS*.

2165. TANAKA (1909). *Descriptions of One New Genus and Ten New Species of Japanese Fishes*. Journ. Coll. Sci. Tokyo, XXVII, 1-27.

SHIGEHO TANAKA.

Antelochimæra Tanaka, 1; orthotype *A. CHÆTIRHAMPHUS* Tanaka.

2166. TOULD (1909). *Eine jungstiaäre Fauna von Gatun am Panama-kanal*. Wien. Jahrb. Geol. Rechis. Anst., LVIII, 1908 (1909), 673-760.

FRANZ TOULD.

Scaroides Toul, 687; orthotype *S. GATUNENSIS* Tould.

2167. WAITE (1909). *Scientific Results of the New Zealand Government Trawling Expedition*. Rec. Canterbury Mus., I. (July, 1909.)

EDGAR RAVENSWOOD WAITE.

Typhlonarke Waite, 16; orthotype *ASTRAPE AYSONI* Hamilton.

Arhynchobatis Waite, 20; orthotype *A. ASPERRIMUS* Waite.

2168. WEBER (1909). *Diagnosen neuer Fische der Siboga-Expedition*. Leiden; Notes Mus. Jentink, XXXI, 1909, 143-169.

MAX WEBER.

Rhabdamia Weber, 165; orthotype *R. CLUPEIFORMIS* Weber.

Siphamia Weber, 168; orthotype *S. TUBIFER* Weber.

1910.

2169. BOULENGER (1910). *On a Large Collection of Fishes Made by Dr. W. J. Ansorge in the Quanza and Bengo Rivers, Angola*. Ann. Mag. Nat. Hist., VI, 1910, 537-561.

GEORGE ALBERT BOULENGER.

Xenopomatichthys Boulenger, 542; orthotype *X. ANSORGII* Boulenger.

Nematogobius Boulenger, 560; orthotype *N. ANSORGII* Boulenger.

2170. CHAPMAN (1910). *A Study of the Batesford Limestone*. Proc. Roy. Soc. Vict. Melbourne, XX, 307.

FREDERICK REVANS CHAPMAN.

Metaceratodus Chapman, 25; orthotype *CERATODUS WOLLASTONI* Chapman (fossil).

2171. COCKERELL (1910). *The Scales of the African Cyprinid Fishes, with a Discussion of Related Asiatic and European Species*. Proc. Biol. Soc. Wash., XXIII, 141-152.

THEODORE DRU ALISON COCKERELL.

Acapoëta Cockerell, 149; orthotype *VARICORHINUS TANGANICÆ* Boulenger.

2172. COSSMAN (1910). *Rectifications de Nomenclature*. *Revue Critique Paléozoologie*, XIV, 74.

MAURICE COSSMAN.

Hussakofia Cossman, 74; orthotype *DINICHTHYS MINOR* Newberry (fossil). (ARTHRODIRE; Devonian, Ohio.) Substitute for *BRACHYGNATHUS* Hussakof, twice preoccupied.

2173. EIGENMANN (1910). *Catalogue and Bibliography of the Fresh-Water Fishes of Temperate and South Temperate America*. (Rept. Princeton Univ. Expedition to Patagonia, 1896, 1899, III, Pt. 2) *Zoology*, 375-511.

CARL H. EIGENMANN.

Megalonema Eigenmann, 383; orthotype *M. PLATYCEPHALUM* Eigenmann.

Hollandichthys Eigenmann, about 400; orthotype *H. MULTIFASCIATUS* Eigenmann & Norris.

2174. FOWLER (1910). *Notes on Batoid Fishes*. *Proc. Acad. Nat. Sci. Phila.*, LXII, 1910, 468-475. (Aug. 17, 1910.)

HENRY WEED FOWLER.

Discotrygon Fowler, 468; orthotype *DISCOBATUS MARGINIPINNIS* Macleay & Macleay = *RAIA LYMMA* Forskål. A synonym of *TÆNIURA* M. & H. Name a substitute for *DISCOBATUS* Macleay & Macleay, regarded as preoccupied by *DISCOBATUS*.

Eunarce Fowler, 472; orthotype *TORPEDO NARKE* Risso.

Pteroplatytrygon Fowler, 474; orthotype *TRYGON VIOLACEUM* Bon.

2175. FOWLER (1910). *Descriptions of Four New Cyprinoids (Rhodeinæ)*. *Proc. Acad. Nat. Sci. Phila.*, LXII, 1910, 476-486. (Aug. 17, 1910.)

HENRY WEED FOWLER.

Rhodeops Fowler, 479; orthotype *ACHEILOGNATHUS BREVIANALIS* Fowler.

Hemigrammocypriis Fowler, 483; orthotype *H. RASBORELLA* Fowler.

2176. FRAAS (1910). *Chimäridenreste aus dem oberen Lias von Holzmaden*. Stuttgart, Jahreshefte Ver. Natk., LXVI, 1910, 55-63.

OSCAR FRIEDRICH FRAAS.

Acanthorhina Fraas, 55; orthotype *A. JAEKELI* Fraas (fossil) (not *ACANTHORHINUS* Blainv.).

2177. FRANZ (1910). *Die Japanischen Knochfische der Sammlungen Haberer und Döflein*. (Beiträge zur Naturgeschichte Ostasiens.) München Abh. Ak. Wiss. Math.-Phys. Kl. Suppl.-Bd., IV, 1910 (1911), Abh. 1, 1-135.

VIKTOR FRANZ.

Parabarbuis Franz, 8; orthotype *P. HABILIS* Franz.

Cryptophthalmus Franz, 15; orthotype *C. ROBUSTUS* Franz. Name preoccupied; replaced by *UNAGIUS* Jordan, 1919.

Osteochromis Franz, 43; orthotype *O. LARVATUS* Franz.

Plagiopsetta Franz, 64; orthotype *P. GLOSSA* Franz.

Trypauchenophrys Franz, 68; orthotype *T. ANOTUS* Franz.

2178. GILBERT (1910) *Evesthes jordani*, a Primitive Flounder from the Miocene of California. *Cal. Univ. Publ. Bull. Dept. Geol.*, V, 1910, 405-411.

JAMES ZACCHEUS GILBERT.

Evesthes J. Z. Gilbert, 407; orthotype *E. JORDANI* Gilbert (fossil).

2179. HAY (1910). *On Edestus and Related Genera*. Proc. U. S. Nat. Mus., XXXVII, 43-61.

OLIVER PERRY HAY.

Toxoprion Hay, 56; orthotype *EDESTEUS LECONTEI* Dean (fossil). (ELASMOBRANCH from Nevada.)

2180. HOLT & BYRNE (1910). *Preliminary Diagnosis of a New Stomiatoïd Fish from Southwest of Ireland*. Ann. Mag. Nat. Hist., VI.

E. W. L. HOLT; L. W. BYRNE.

Grammatistomias Holt & Byrne, 295; orthotype *G. FLAGELLIBARBA* Holt & Byrne.

2181. JORDAN (1910). *Description of a Collection of Fossil Fishes from the Bituminous Shales at Riacho Doce, State of Alagoas, Brazil*. Ann. Carneg. Mus., VII, 1910, 23-34.

DAVID STARR JORDAN.

Ellipes Jordan, 24; orthotype *E. BRANNERI* Jordan (fossil). Name preoccupied; replaced by *ELLIMMA* Jordan, 1913.

Dastilbe Jordan, 29; orthotype *D. CRANDALLI* Jordan (fossil).

2182. JORDAN & RICHARDSON (1910). *A Review of the Serranidæ or Sea Bass of Japan*. Proc. U. S. Nat. Mus., XXXVII, 1910, 421-474.

DAVID STARR JORDAN; ROBERT EARL RICHARDSON.

Zalanthias Jordan & Richardson, 460; orthotype *PSEUDANTHIAS KELLOGGI* Jordan & Richardson.

Sacura Jordan & Richardson, 468; orthotype *ANTHIAS MARGARITACEUS* Hilgendorf.

2183. OGILBY (1910). *On New or Insufficiently Described Fishes*. Proc. Roy. Soc. Queensland, XXIII, 1910, 1-55.

JAMES DOUGLAS OGILBY.

Xystodus Ogilby, 5; orthotype *X. BANFIELDI* Ogilby.

Chilias Ogilby, 40; orthotype *PERCA STRICTICEPS* De Vis. A synonym of *PARAPERCS* Blkr.

Cyneichthys Ogilby, 55; orthotype *BLENNECHIS ANOLIUS* Cuv. & Val.

Runulops Ogilby, 55; orthotype *BLENNECHIS FASCIATUS* Jenyns ("two South American species described by Jenyns," *B. FASCIATUS* and *B. ORNATUS* from Chile).

2184. OGILBY (1910). *On Some New Fishes from the Queensland Coast. Endeavour Series, I*. Proc. Roy. Soc. Queensland, XXIII, 1910, 85-139. (On account of a misunderstanding which does not concern the present work, this paper was suppressed by the Royal Society of Queensland, only a few separates being sent out. The new species have been elsewhere described by McCulloch.)

JAMES DOUGLAS OGILBY.

Hyalorhynchus Ogilby, 118; orthotype *H. PELLUCIDUS* Ogilby = *ELATES THOMPSONI* Jordan & Richardson. A synonym of *ELATES* Jordan & Richardson.

2185. PAVLENKO (1910). *Fishes of Peter the Great Bay*. (Text in Russian.) Trd. Obsc. Jest, Kazani, 42, 1910, 2, 1-5.

M. N. PAVLENKO.

Agonocottus Pavlenko, 23; orthotype *A. CATAPHRACTUS* Pavlenko.

Askoldia Pavlenko, 50; orthotype *A. VARIEGATA* Pavlenko.

2186. PREOBRAZHENSKII (1910). *Ueber einige Vertreter der Familie der Psammosteidae* Ag. S. B. Naturf. Ges. Univ. Jurjew. (Dorpat) IX, 21-36. (Text in Russian.)

J. A. PREOBRAZHENSKII.

Pycnosteus Preobrazhenskii, 34; orthotype *P. PALÆFORMIS* Preobrazhenskii (fossil). An imperfect dorsal plate of a Devonian OSTRACOPHORE. Probably a synonym of *PSAMMOSTEUS* Ag.

Dyptychosteus Preobrazhenskii, 35; orthotype *D. TESSELLATUS* Preobrazhenskii (fossil) (not *PSAMMOSTEUS TESSELLATUS* Traquair). Probably same as *PSAMMOSTEUS PARADOXUS*. Dorsal plate of a Devonian OSTRACOPHORE. A synonym of *PSAMMOSTEUS* Ag.

2187. SAUVAGE (1910). *Bull. Carte Geol. Algérie, 1910.*

HENRI ÉMILE SAUVAGE.

Palæochromis Sauvage, 308; orthotype *P. DORESTII* Sauvage.

2188. STOLLEY (1910). *Ueber mesozoischen Fischotolithen aus Norddeutschland.* Jahresbericht des Niedersächsischen Geol. Vereins, III, 246-257. (Reprinted with separate pagination in Hannover, 1912.)

ERNST STOLLEY.

Archæotolithus Stolley, 248; orthotype *OTOLITHUS BORNHOLMIENSIS* Malling & Grönwall, 1909 (fossil). Otolith from Lias of Denmark.

2189. WAITE (1911). *Additions to the Fish Fauna of New Zealand.* Proc. New Zealand Inst., 1910, 25-26.

EDGAR RAVENSWOOD WAITE.

Maccullochia Waite, 25; orthotype *HISTIOPTERUS LABIOSUS* Gthr. A substitute for *RICHARDSONIA* Castelnau, preoccupied. A synonym of *PARISTIOPTERUS* Blkr., 1876.

2190. WAITE (1910). *Notes on New Zealand Fishes.* Trans. N. Zeal. Inst., XLII, 1910, 384-391.

EDGAR RAVENSWOOD WAITE.

Triareus Waite, 387; orthotype *MAUROLICUS AUSTRALIS* Hector.

2191. WEYMOUTH (1910). *Notes on a Collection of Fishes from Cameron, Louisiana.* Proc. U. S. Nat. Mus., XXXVIII.

FRANK WALTER WEYMOUTH.

Leptocerdale Weymouth, 142; orthotype *L. LONGIPINNIS* Weymouth.

2192. WOODWARD (1910). *On Some Permo-Carboniferous Fishes from Madagascar.* Ann. Mag. Nat. Hist., V, 1910, 1-6.

ARTHUR SMITH WOODWARD.

Ecrinesomus Woodward, 2; orthotype *E. DIXONI* Woodw. (fossil).

2193. WOODWARD (1910). *On a Fossil Sole and a Fossil Eel from the Eocene of Egypt.* Geol. Mag. London, VII, 1910, 402-405.

ARTHUR SMITH WOODWARD.

Mylomyrus Woodward, 404; orthotype *M. FRANGENS* Woodw. (fossil).

1911.

2194. BOULENGER (1911). *Descriptions of New African Cyprinodont Fishes*. Ann. Mag. Nat. Hist. (8), VIII, 260-268.
 GEORGE ALBERT BOULENGER.
Mohanga Boulenger, 261; orthotype HAPLOCHILUS TANGANICANUS Boulenger. Same as LAMPRICHTHYS Regan, a little later in the same year.
2195. BOULENGER (1911). *Catalogue of the Fresh-Water Fishes of Africa in the British Museum*. London, 1911, 1-529.
 GEORGE ALBERT BOULENGER.
Parauchenoglanis Boulenger, 364; orthotype PIMELODUS GUTTATUS Lönnberg. The name GUTTATUS is preoccupied in PIMELODUS.
2196. BOULENGER (1911). *On a Third Collection of Fishes Made by Dr. E. Bayon in Uganda, 1909-1910*. Genova Annal. Museo Civico. Ser. 3a, V, 1911, 64-78.
 GEORGE ALBERT BOULENGER.
Bayonia Boulenger, 70; orthotype B. XENODONTA Boulenger.
2197. DEECKE (1911). *Paleontologische Betrachtungen*. IV. Ueber Fische. Neues. Jahrb. Mineral., II.
 JOHANNES ERNEST WILHELM DEECKE (1862-).
Perleidus Deecke, 70; orthotype P. ALTOLEPIS Deecke (fossil).
2198. EIGENMANN (1911). *New Characins in the Collection of the Carnegie Museum*. Ann. Carnegie Mus., VIII, 1911, 164-181.
 CARL H. EIGENMANN.
Probolodus Eigenmann, 164; orthotype P. HETEROSTOMUS Eigenmann.
Psalidodon Eigenmann, 165; orthotype P. GYMNODONTUS Eigenmann.
Spintherobolus Eigenmann, 167; orthotype S. PAPILLIFERUS Eigenmann.
Glandulocauda Eigenmann, 168; logotype G. MELANOGENYS Eigenmann.
Hysteronotus Eigenmann, 171; orthotype H. MEGALOSTOMUS Eigenmann.
Vesicatrus Eigenmann, 174; orthotype V. TEGATUS Eigenmann.
2199. EIGENMANN (1911). *Descriptions of Two New Tetragonopterid Fishes in the British Museum*. Ann. Mag. Nat. Hist. (8), VII, 1911, 215-216.
 CARL H. EIGENMANN.
Nematobrycon Eigenmann, 215; orthotype N. PALMERI Eigenmann.
Knodus Eigenmann, 216; orthotype K. MERIDÆ Eigenmann.
2200. ELLIS (1911). *On the Species of Hasemania, Hyphessobrycon, and Hemigrammus Collected by J. D. Haseman for the Carnegie Museum*. Ann. Carnegie Mus., VIII, 1911, 148-164.
 MARIAN LEE ELLIS.
Hasemania Ellis, 148; orthotype H. MAXILLARIS Ellis.
2201. FOWLER (1911). *A New Albuloid Fish from Santo Domingo*. Proc. Acad. Nat. Sci. Phila., LXII, 1911, 651-654 (Jan. 27, 1911).
 HENRY WEED FOWLER.
Dixonina Fowler, 651; orthotype D. NEMOPTERA Fowler.
2202. FOWLER (1911). *Notes on Clupeoid Fishes*. Proc. Acad. Nat. Sci. Phila., LXIII, 1911, 204-211. (Apr. 6, 1911.)
 HENRY WEED FOWLER.

- Heringia** Fowler, 207; orthotype *CLUPEA AMAZONICA* Steind.
Gudusia Fowler, 207; orthotype *CLUPANODON CHAPRA* Ham.
Anchoviella Fowler, 211; orthotype *ENGRAULIS PERFASCIATUS* Poey. A synonym of *STOLEPHORUS* Lac., as restricted by Blkr.
2203. FOWLER (1911). *Some Fishes from Venezuela*. Proc. Acad. Nat. Sci. Phila., LXIII, 1911, 419-437. (July 27, 1911.)
 HENRY WEED FOWLER.
Apodastyanax Fowler, 422; orthotype *A. STEWARDSONI* Fowler.
2204. FOWLER (1911). *New Fresh-Water Fishes from Western Equador*. Proc. Acad. Nat. Sci. Phila., LXVIII, 1911, 493-520.
 HENRY WEED FOWLER.
Rhoadsia Fowler, 497; orthotype *R. ALTIPINNA* Fowler.
2205. HASEMAN (1911). *Descriptions of Some New Species of Fishes, and Miscellaneous Notes on Others Obtained during the Expedition of the Carnegie Museum to Central South America*. Ann. Carneg. Mus., VII, 315-328.
 JOHN D. HASEMAN.
Cephalosilurus Haseman, 317; orthotype *C. FOWLERI* Haseman.
Acestridium Haseman, 319; orthotype *A. DISCUS* Haseman.
Platysilurus Haseman, 320; orthotype *P. BARBATUS* Haseman.
2206. HASEMAN (1911). *Some New Species of Fishes from the Rio Iguassu*. Ann. Carnegie Mus., VII, 374-387.
 JOHN D. HASEMAN.
Rhamdiopsis Haseman, 375; orthotype *R. MOREIRAI* Haseman.
2207. JORDAN & EVERMANN (1911). *A Review of the Salmonoid Fishes of the Great Lakes, with Notes on the White-Fishes of Other Regions*. Bull. U. S. Bureau of Fisheries for 1909 (1911), 1-41.
 DAVID STARR JORDAN; BARTON WARREN EVERMANN.
Cisco Jordan & Evermann, 3; orthotype *ARGYROSOMUS NIGRIPINNIS* Gill.
Thrissomimus (Gill) Jordan & Evermann, 4; orthotype *COREGONUS ARTEDI* Le Sueur. Substitute for *ARGYROSOMUS* Ag., preoccupied.
- 2207A. JORDAN & THOMPSON (1911). *A Review of the Sciænoid Fishes of Japan*. Proc. U. S. Nat. Mus. for 1911 (Jan. 30), 241-261.
 DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.
Nibea Jordan & Thompson, 246; orthotype *SCIÆNA MITSUKURII* Jordan & Snyder.
Othonias Jordan & Thompson, 246; orthotype *SCIÆNA MANCHURICA* Jordan & Thompson.
2208. JORDAN & THOMPSON (1911). *A Review of the Families Lobotidæ and Lutianidæ Found in the Waters of Japan*. Proc. U. S. Nat. Mus., XXXIX, 435-471. (Jan. 30, 1911.)
 DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON (1888-).
Etelinus Jordan & Thompson, 465; orthotype *ETELIS MARSHI* Jenkins.
2209. KENDALL & GOLDSBOROUGH (1911). *The Shore Fishes. (Reports on the Scientific Results of the Expedition to the Tropical Pacific in Charge of Alexander Agassiz, by the U. S. Fish Comm. Steamer "Albatross," from August, 1899, to March, 1900, Commander Jefferson F. Moser, U. S. N., Commanding, 13.)* Mem. Mus. Comp. Zool. Harvard Coll., XXVI, 1911, 239-344.
 WILLIAM CONVERSE KENDALL; EDMUND LEE GOLDSBOROUGH.

Paragobioides Kendall & Goldsborough, 324; orthotype *P. GRANDOCULIS* Kendall & Goldsborough.

2210. KREYENBERG (1911). *Eine neue Cobitinen-Gattung aus China*. Zool. Anz., XXXVIII, 417-419.

M. KREYENBERG.

Gobiobotia Kreyenberg, 417; orthotype *G. PAPPENHEIMI* Kreyenberg.

2211. McCULLOCH (1911). *Report on the Fishes Obtained by the F. I. S. "Endeavour" on the Coast of New South Wales, Victoria, South Australia, and Tasmania. Part I. Zoological Results of the Fishing Experiments carried Out by the F. I. S. "Endeavour," 1909-1910, I, 1911, 1-87.*

ALLEN RIVERSTON McCULLOCH.

Austroberyx McCulloch, 39; orthotype *BERYX AFFINIS* Gthr. A synonym of *TRACHICHTHODES* Gilchrist.

2212. OGILBY (1911). *Description of New or Insufficiently Described Fishes from Queensland Waters*. Ann. Queensland Mus., X, 1911, 36-58.

JAMES DOUGLAS OGILBY.

Apistops Ogilby, 54; orthotype *APISTUS CALOUNDRA* De Vis.

Paratrigla Ogilby, 56; orthotype *TRIGLA PLEURACANTHICA* Ogilby.

2213. REGAN (1911). *The Anatomy and Classification of the Teleostean Fishes of the Orders Berycomorphi and Xenoberyces*. Ann. Mag. Nat. Hist. (8), VII, 1-9.

CHARLES TATE REGAN.

Caproberyx Regan, 8; orthotype *BERYCOPSIS MAJOR* Woodw. (fossil).

2214. REGAN (1911). *The Anatomy and Classification of the Teleostean Fishes of the Order Iniomi*. Ann. Mag. Nat. Hist. (8), VII, 120-133.

CHARLES TATE REGAN.

Hemipterois Regan, 126; orthotype *BATHYPTEROIS GUENTHERI* Alcock.

Bathysauropsis Regan, 126; orthotype *CHLOROPHTHALMUS GRACILIS* Gthr.

Parasudis Regan, 127; orthotype *CHLOROPHTHALMUS TRUCULENTUS* G. & B.

2215. REGAN (1911). *A Synopsis of the Marsipobranchs of the Order Hypoartii*. Ann. Mag. Nat. Hist. (8), VII, 193-204.

CHARLES TATE REGAN.

Eudontomyzon Regan, 200; orthotype *E. DANFORDI* Regan.

2216. REGAN (1911). *The Classification of the Teleostean Fishes of the Order Synentognathi*. Ann. Mag. Nat. Hist. (8), VII, 327-335.

CHARLES TATE REGAN.

Lamprichthys Regan, 325; orthotype *HAPLOCHILUS TANGANICANUS* Boulenger. A synonym of *MOHANGA* Boulenger of a little earlier date.

Xenentodon Regan, 332; orthotype *BELONE CANCELA* Buchanan.

Xenopœcilus Regan, 374; orthotype *HAPLOCHILUS SARASINORUM* Popta.

2217. REGAN (1911). *The Classification of the Teleostean Fishes of the Order Ostariophysii. I. Cyprinoidea*. Ann. Mag. Nat. Hist. (8), VIII, 1911, 13-32.

CHARLES TATE REGAN.

Lepturichthys Regan, 31; orthotype *HOMALOPTERA FIMBRIATA* Gthr.

Hemimyzon Regan, 32; orthotype *HOMALOPTERA FORMOSANA* Boulenger.

2218. ROULE (1911). (*Certaines larves tiluriennes.*)

LOUIS ROULE (1861-).

Tiluropsis Roule, 329; orthotype a larval eel.

Tilurella Roule, 329; orthotype larval eel, not named in the Zoological Record.

2219. SNYDER (1911). *Descriptions of New Genera and Species of Fishes from Japan and the Riu Kiu Islands.* Proc. U. S. Nat. Mus., XL, 1911, 525-549. (May 26, 1911.)

JOHN OTTERBEIN SNYDER.

Jordanidia Snyder, 527; orthotype *J. RAPTORIA* Snyder.

Catalufa Snyder, 528; orthotype *C. UMBRA* Snyder.

Draculo Snyder, 545; orthotype *D. MIRABILIS* Snyder.

2220. STARKS & MANN (1911). *New and Rare Fishes from Southern California.* Univ. Calif. Pub. Zool., VIII, 9-19.

EDWIN CHAPIN STARKS; WILLIAM M. MANN.

Rusulus Starks & Mann, 14; orthotype *R. SABURRÆ* Starks & Mann.

Orthopnias Starks & Mann, 16; orthotype *O. TRIACIS* Starks & Mann.

2221. WAITE (1911). *Additions to the Fish Fauna of New Zealand, No. 2.* Proc. New Zealand Inst., 1910, 49-51. (June 24, 1911.)

EDGAR RAVENSWOOD WAITE.

Rexea Waite, 49; orthotype *R. FURCIFERA* Waite = *GEMPYLUS SOLANDRI* Cuv. & Val. A synonym of *JORDANIDIA* Snyder of slightly earlier date (May 26, 1911).

Pelotretis Waite, 50; orthotype *P. FLAVILATUS* Waite.

2222. ZUGMAYER (1911). *Poissons provenant des campagnes du yacht Princesse Alice.* Rés. Camp. Sci. Monaco, Fasc. 35, 1911, 1-159.

ERICH ZUGMAYER (1879-).

Asquamiceps Zugmayer, 10; orthotype *A. VELARIS* Zugmayer.

Nematostomias Zugmayer, 76; orthotype *N. GLADIATOR* Zugmayer.

Trichostomias Zugmayer, 78; orthotype *T. VAILLANTI* Zugmayer.

Poromitrella Zugmayer, 100; orthotype *P. NIGRICEPS* Zugmayer.

Platyberyx Zugmayer, 101; orthotype *P. OPALESCENS* Zugmayer.

Scopeloberyx Zugmayer, 103; orthotype *S. OPERCULARIS* Zugmayer.

Pachycara Zugmayer, 129; orthotype *P. PLAGIOPHTHALMUS* Zugmayer.

Barathrites Zugmayer, 132; orthotype *B. IRIS* Zugmayer.

Anopterus Zugmayer, 138; orthotype *A. PHARAO* Zugmayer.

Benthalbella Zugmayer, 140; orthotype *B. INFANS* Zugmayer.

1912.

2223. BARBOUR (1912). *Two Preoccupied Names.* Proc. Biol. Soc. Washington. XXV, 1912, 121-126.

THOMAS BARBOUR.

Calliblennius Barbour, 187; orthotype *ZACALLES BRYOPE* Jordan & Snyder. Substitute for *ZACALLES* Jordan & Snyder, preoccupied.

2224. BEAN (1912). *Descriptions of New Fishes of Bermuda.* Proc. Biol. Soc. Washington, XXV, 1912, 121-126.

TARLETON HOFFMAN BEAN.

Eucrotus Bean, 123; orthotype *E. VENTRALIS* Bean.

Parasphyrænops Bean, 124; orthotype *P. ATRIMANUS* Bean.

2225. BEAUFORT (1912). *On Some New Gobiidæ from Ceram and Waigeu*. Zool. Anz., XXXIX, 1912, 136-143.

LIEVEN FERDINAND DE BEAUFORT.

Schismatogobius Beaufort, 139; orthotype *S. BRUYNISI* Beaufort.

Stiphodon (Weber), Beaufort, 143; orthotype *SICYDIUM ELEGANS* Steind.

2226. BERG (1912). *Faune de la Russie et des pays limitrophes. Poissons (Marsipobranchii et Pisces). Vol. III. Pt. 1, 1-336*, St. Petersburg.

LEW SEMENOWITCH BERG.

Pararutilus Berg, 43; orthotype *LEUCISCUS FRISIO* Nordman.

Acanthorutilus Berg, 42, 80; orthotype *OREOLEUCISCUS DSAPCHYNENSIS* Warpachowsky.

Hemiscaphirhynchus Berg, 309; orthotype *PSEUDOSCAPHIRHYNCHUS KAUFMANNI* Bogdanov.

2227. BOULENGER (1912). *Poissons recueillis dans la Région du Bas Congo par M. le Dr. W. J. Ansorge*. Ann. Mus. Congo, Bruxelles Zool., ser. 1, 2 fasc. 3, 1-25.

GEORGE ALBERT BOULENGER.

Ansorgia Boulenger, 17; orthotype *A. VITTATA* Boulenger.

2228. BURKE (1912). *A New Genus and Six New Species of the Family Cyclogasteridæ*. Proc. U. S. Nat. Mus., XLIII, 1912, 567-574.

CHARLES VICTOR BURKE.

Polypera Burke, 567; orthotype *P. GREENI* Burke.

2229. DUNCKER (1912). *Die Gattungen der Syngnathidæ*. Mett. Nat. Hist. Museum Hamburg, XXIX.

GEORG DUNCKER.

Acanthognathus Duncker, 228; orthotype *SYNGNATHUS DACTYLOPHORUS* Blkr.

Micrognathus Duncker, 235; orthotype *SYNGNATHUS BREVIROSTRIS* Rüppell.

2230. EIGENMANN (1912). *The Fresh-Water Fishes of British Guiana, including a Study of the Ecological Grouping of Species, and the Relation of the Fauna of the Plateau to that of the Lowlands*. Mem. Carnegie Mus., V, 1-578.

CARL H. EIGENMANN.

Chamaigenes Eigenmann, 120; orthotype *ASPEDO FILAMENTOSUS* Cuv. & Val.

Agmus Eigenmann, 128; orthotype *A. LYRIFORMIS* Eigenmann.

Megalonema Eigenmann, 150; orthotype *M. PLATYCEPHALUM* Eigenmann.

Microglanis Eigenmann, 155; orthotype *M. PÆCILUS* Eigenmann.

Brachyglanis Eigenmann, 156; orthotype *B. FRËNATA* Eigenmann.

Leptoglanis Eigenmann, 158; orthotype *L. ESSEQUIBENSIS* Eigenmann.

Myoglanis Eigenmann, 159; orthotype *M. PATAROËNSIS* Eigenmann.

Chasmocranus Eigenmann, 160; orthotype *C. LONGIOR* Eigenmann.

Tympanopleura Eigenmann, 203; orthotype *T. PIPERATA* Eigenmann.

Ochmacanthus Eigenmann, 213; orthotype *O. FLABELLIFER* Eigenmann.

Lithoxus Eigenmann, 242; orthotype *L. LITHOIDES* Eigenmann.

Bivibranchia Eigenmann, 258; orthotype *B. PROTRACTILA* Eigenmann.

Tylobranchus Eigenmann, 271; orthotype *T. MACULOSUS* Eigenmann.

Aphyodite Eigenmann, 314; orthotype *A. GRAMMICA* Eigenmann.

Acanthocharax Eigenmann, 405; orthotype *A. MICROLEPIS* Eigenmann.
Heterocharax Eigenmann, 406; orthotype *H. MACROLEPIS* Eigenmann.
Gymnorhamphichthys Eigenmann, 436; orthotype *G. HYPOSOMUS* Eigenmann.
Porotergus Eigenmann, 441; orthotype *P. GYMNOTUS* Eigenmann.
Rhinosardinia Eigenmann, 445; orthotype *R. SERRATA* Eigenmann = *CLUPEA AMAZONICA* Steind. A synonym of *HERINGIA* Fowler, 1911.
Acarichthys Eigenmann, 500; orthotype *ACARA HECKELII* M. & T.
Soleonasus Eigenmann, 528; orthotype *S. FINIS* Eigenmann.

2231. EIGENMANN (1912). *Some Results of An Ichthyological Reconnaissance of Colombia, South America*. Indiana Univ. Studies, 1912, No. 8, 1-27.

CARL H. EIGENMANN.

Xiliphius Eigenmann, 10; orthotype *X. MAGDALENÆ* Eigenmann.
Parastremma Eigenmann, 20; orthotype *P. SADINA* Eigenmann.
Genycharax Eigenmann, 22; orthotype *G. TARPON* Eigenmann.
Gephyrocharax Eigenmann, 24; orthotype *G. CHOCOËNSIS* Eigenmann.

2232. FOWLER (1912). *Descriptions of Nine New Eels, with Notes on Other Species*. Proc. Acad. Nat. Sci. Phila., LXIV, 1912, 8-33.

HENRY WEED FOWLER.

Microconger Fowler, 9; orthotype *LEPTOCEPHALUS CAUDALIS* Fowler.
Ahynnodontophis Fowler, 25; orthotype *GYMNOTHORAX STIGMANOTUS* Fowler.

2233. GARMAN (1912). *Some Chinese Vertebrates. Pisces*. Mem. Comp. Zool. Harvard Coll., XL, 111-123.

SAMUEL GARMAN.

Ageneiogarra Garman, 114; orthotype *GARRA IMBERBA* Garman.
Myloleuciscus Garman, 116; orthotype *M. ATRIPINNIS* Garman.
Coripareius Garman, 120; orthotype *C. CETOPSIS* Garman.

2234. GILBERT & BURKE (1912). *Fishes from the Bering Sea and Kamchatka*. Bull. Bur. Fish., XXX (1910), 1912, 31-96.

CHARLES HENRY GILBERT; CHARLES VICTOR BURKE (1882-).

Archaulus Gilbert & Burke, 36; orthotype *ARCHAULUS BISERIATUS* Gilbert & Burke.
Thyriscus Gilbert & Burke, 43; orthotype *T. ANOPLUS* Gilbert & Burke.
Eurymen Gilbert & Burke, 64; orthotype *E. GYRINUS* Gilbert & Burke.
Elassodiscus Gilbert & Burke, 81; orthotype *E. TREMEBUNDUS* Gilbert & Burke.
Nectoliparis Gilbert & Burke, 82; orthotype *N. PELAGICUS* Gilbert & Burke.
Acantholiparis Gilbert & Burke, 83; orthotype *A. OPERCULARIS* Gilbert & Burke.
Gymnoclinus Gilbert & Burke, 86; orthotype *G. CRISTULATUS* Gilbert & Burke.
Alectridium Gilbert & Burke, 88; orthotype *A. AURANTIACUM* Gilbert & Burke.

2235. GILBERT & BURKE (1912). *New Cyclogasterid Fishes from Japan*. Proc. U. S. Nat. Mus., XLII, 1912, 351-380.

CHARLES HENRY GILBERT; CHARLES VICTOR BURKE.

Ateleobrachium Gilbert & Burke, 97; orthotype *A. PTEROTUM* Gilbert & Burke.

2236. JORDAN (1912). *Note on the Generic Name Safole, replacing Boulengerina for a Genus of Kuhliid Fishes*. Proc. U. S. Nat. Mus., XLII, 1912, 655. (August 29, 1912.)

DAVID STARR JORDAN.

Safole Jordan, 655; orthotype *DULES TÆNIURUS* Cuv. & Val. Substitute for *BOULENGERINA* Fowler, preoccupied.

2237. JORDAN & THOMPSON (1912). *A Review of the Sparidæ and Related Families of Perch-like Fishes Found in the Waters of Japan*. Proc. U. S. Nat. Mus., XLI. (Jan. 22, 1912.)

DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.

Lethrinichthys Jordan & Thompson, 558; orthotype **LETHRINUS NEMATACANTHUS** Blkr.

Taius Jordan & Thompson, 570; orthotype **CHRYSOPHRYS TUMIFRONS** T. & S.

Evynnis Jordan & Thompson, 573; orthotype **SPARUS CARDINALIS** Lac.

2238. McCULLOCH (1912). *Notes on Some Australian Atherinidæ*. Proc. Roy. Soc. Queensland, XXIV, 1912, 47-53.

ALLAN RIVERSTON McCULLOCH.

Craterocephalus McCulloch, 48; orthotype **C. FLUVIATILIS** McCulloch.

2239. McCULLOCH (1912). *Notes on Some Western Australian Fishes*. Rec. W. Austral. Mus., Perth 1, 1912, 78-97.

ALLAN RIVERSTON McCULLOCH.

Mucogobius McCulloch, 93; orthotype **GOBIOUS MUCOSUS** Gthr. A synonym of **CALLOGOBIUS** Blkr.

2240. MEEK (1912). *New Species of Fishes from Costa Rica*. Pub. Field Col. Mus., X.

SETH EUGENE MEEK.

Alfaro Meek, 72; orthotype **A. ACUTIVENTRALIS** Meek. A substitute for **PETALOSOMA** Regan, preoccupied.

2241. PELLÉGRIN (1912). *Poissons des côtes de l'Angola; Mission de M. Gruvel*. Bull. Soc. Zool. France, XXXVII.

JACQUES PELLÉGRIN.

Diagrammella Pellégrin, 295; orthotype **DIAGRAMMA MACROPS** Pellégrin.

2242. RADCLIFFE (1912). *Descriptions of Fifteen New Fishes of the Family Cheilodipteridæ, from the Philippine Islands and Contiguous Waters*. Proc. U. S. Nat. Mus., XLI, 431-446. (Jan. 31, 1912.)

LEWIS RADCLIFFE.

Amioides Smith & Radcliffe, 440; orthotype **AMIA GROSSIDENS** Smith & Radcliffe.

Neamia Smith & Radcliffe, 441; orthotype **N. OCTOSPINA** Smith & Radcliffe.

2243. RADCLIFFE (1912). *New Pediculate Fishes from the Philippine Islands and Contiguous Waters*. Proc. U. S. Nat. Mus., XLII, 199-214. (April 30, 1912.)

LEWIS RADCLIFFE.

Dermatias Radcliffe, 206; orthotype **D. PLATYNOGASTER** Radcliffe.

2244. RADCLIFFE (1912). *Description of a New Family, Two New Genera and Twenty-nine New Species of Anacanthine Fishes from the Philippine Islands and Contiguous Waters*. Proc. U. S. Nat. Mus., XLIII, 105-140. (Sept. 27, 1912.)

LEWIS RADCLIFFE.

Parateleopus Smith & Radcliffe, 139; orthotype **P. MICROSTOMUS** Smith & Radcliffe.

Macrouroides Smith & Radcliffe, 139; orthotype **M. INFLATICEPS** Smith & Radcliffe.

2245. REGAN (1912). *New Fishes from Aldabra and Assumption, Collected by Mr. J. C. F. Fryer.* Trans. Linn. Soc. London, XV, 1912, 301-302.

CHARLES TATE REGAN.

Xenococong Regan, 301; orthotype *X. FRYERI* Regan.

Parioglossus Regan, 302; orthotype *P. TÆNIATUS* Regan.

2246. REGAN (1912). *The Classification of the Blennioid Fishes.* Ann. Mag. Nat. Hist. (8), X, 265-280.

CHARLES TATE REGAN.

Acanthoplesiops Regan, 266; orthotype *ACANTHOCLINUS INDICUS* Day.

2247. REGAN (1912). *The Classification of the Teleostean Fishes of the Order Pediculati.* Ann. Mag. Nat. Hist. (8), IX, 1912, 277-289.

CHARLES TATE REGAN.

Haplophryne Regan, 289; orthotype *ACERATIAS MOLLIS* Brauer.

2248. REGAN (1912). *The Anatomy and Classification of the Symbranchoid Eels.* Ann. Mag. Nat. Hist. (8), IX, 387-390.

CHARLES TATE REGAN.

Macrotrema Regan, 390; orthotype *SYMBRANCHUS CALIGANS* Cantor.

2249. REGAN (1912). *Description of Two New Eels from West Africa, Belonging to a New Genus and Family.* Ann. Mag. Nat. Hist., X.

CHARLES TATE REGAN.

Heterenchelys Regan, 323; orthotype *H. MICROPHTHALMUS* Regan.

2250. REGAN (1912). *A Revision of the Pæciliid Fishes of the Genera Rivulus, Pterolebias and Cynolebias.* Ann. Mag. Nat. Hist. (8), X, 1912, 494-508.

CHARLES TATE REGAN.

Petalurichthys Regan, 494; orthotype *PETALOSOMA CULTRATUS* Regan. Substitute for *PETALOSOMA* Regan, preoccupied in COLEOPTERA; a synonym of *ALFARO* Meek.

2251. REGAN (1912). *Sexual Differences in the Pæciliid Fishes of the Genus Cynolebias.* Ann. Mag. Nat. Hist. (8), X, 641-652.

CHARLES TATE REGAN.

Cynopæcilus Regan, 642; orthotype *CYNOLEBIAS MELANOTÆNIA* Regan.

2252. RIBEIRO (1912). *Fauna Brasiliense. Peixes 4 (A).* Arch. Mus. Rio de Janeiro, XVI, 1912, 1-504.

ALIPIO DE MIRANDA RIBEIRO.

Parasturisoma Ribeiro, 109; orthotype *LORICARIA BREVIROSTRIS* Eigenmann.

Mormyrostoma Ribeiro, 192; orthotype *SILURUS CARINATUS* L.

Tatia Ribeiro, 360; orthotype *CENTROMOCHLUS INTERMEDIUS* Steind.

2253. RIBEIRO (1912). *Loricariidæ, Callichthyidæ, Doradidæ e Trichomycteridæ. Commissão de Linhas Telegraphicas Estrategicas de Matto-Grosso ad Amazonas.* Anexo No. 5, Rio Janeiro, 1912, 1-31.

ALIPIO DE MIRANDA RIBEIRO.

Gyrinurus Ribeiro, 27; orthotype *G. BATRACHOSTOMA* Ribeiro (Sept., 1912). A synonym of *OCHMACANTHUS* Eigenmann, June, 1912.

Paravandellia Ribeiro, 28; orthotype *P. OXYPTERA* Ribeiro.

2254. SMITH (1912). *Description of a New Notidanoid Shark from the Philippine Islands, Representing a New Family*. Proc. U. S. Nat. Mus., XLI, 489-491. (February 8, 1912.)

HUGH McCORMICK SMITH.

Pentanchus Smith, 489; orthotype *P. PROFUNDICOLUS* Smith.

2255. SMITH (1912). *The Squaloid Sharks of the Philippine Archipelago, with Descriptions of New Genera and Species*. Proc. U. S. Nat. Mus., XLI, 677-685. (February 9, 1912.)

HUGH McCORMICK SMITH.

Nasisqualus Smith, 681; orthotype *N. PROFUNDORUM* Smith.

Squaliolus Smith, 684; orthotype *S. LATICAUDUS* Smith.

2256. SMITH & RADCLIFFE (1912). *Description of a New Family of Pediculate Fishes from Celebes*. Proc. U. S. Nat. Mus., XLII, 579-582. (Aug. 30, 1912.)

HUGH McCORMICK SMITH; LEWIS RADCLIFFE.

Thaumatchthys Smith & Radcliffe, 579; orthotype *T. PAGIDOSTOMUS* Smith & Radcliffe.

2257. SNYDER (1912). *The Fishes of the Streams Tributary to Monterey Bay*. Bull. U. S. Bur. Fish., XXXII, 47-72.

JOHN OTTERBEIN SNYDER.

Hesperoleucus Snyder, 63; orthotype *POGONICHTHYS SYMMETRICUS* Grd.

2258. TANAKA (1912). *Figures and Descriptions of Fishes of Japan*. Tokyo, V-X, 71-186.

SHIGEHO TANAKA.

Cyclolumpus Tanaka, 86; orthotype *C. ASPERRIMUS* Tanaka.

Heteroscymnus Tanaka, 102; orthotype *H. LONGUS* Tanaka.

Cirrhigaleus Tanaka, 151; orthotype *C. BARBIFER* Tanaka.

Calliscyllium Tanaka, 171; orthotype *C. VENUSTUM* Tanaka.

2259. ZUGMAYER (1912). *On a New Genus of Cyprinoid Fishes from High Asia*. Ann. Mag. Nat. Hist. (8), IX, 1912, 682.

ERICH ZUGMAYER.

Aspiopsis Zugmayer, 682; orthotype *A. MERZBACHERI* Zugmayer.

1913.

2260. BERG (1913). *A Review of the Clupeoid Fishes of the Caspian Sea, etc.* Ann. Mag. Nat. Hist., XI, 472-480.

LEO SEMENOWITCH BERG.

Clupeonella Berg, 472; orthotype *C. CASPIA* Berg. Not *CLUPEONELLA* Kessler; replaced by *CASPIALOSA* Berg.

2261. BROOM (1913). *On Some Fishes from Lower and Middle Karroo, South Africa*. Ann. S. Afr. Mus. Cape Town, XII, 1913, 1-5.

ROBERT BROOM.

Caruichthys Broom, 4; orthotype *C. ORNATUS* Broom (fossil).

2262. BROOM (1913). *On Some Fossil Fishes from the Diamond-Bearing Pipes of Kimberley*. Trans. Roy. Soc., S. Afr. III, 1913, 399-402.

ROBERT BROOM.

Disichthys Broom, 400; orthotype *D. KIMBERLEYENSIS* Broom (fossil). (PALÆONISCID.)

Pelichthys Broom, 401; orthotype *P. KIMBERLEYENSIS* Broom (fossil). (PALÆONISCID, S. Africa.)

2263. CHAPMAN (1913). *Note on the Occurrence of the Cainozoic Shark, Carcharoides, in Victoria*. Victoria Naturalist, XXX, 142-193.

FREDERICK REVANS CHAPMAN.

Carcharoides Chapman, 142; orthotype a fossil shark.

2264. CHAUDHURI (1913). *Zoological Results of the Abor Expedition, 1911-12*. XVIII. Fish Rec. Ind. Mus. Calcutta, VIII, 1913, 243-257.

BONAWARI LAL CHAUDHURI.

Aborichthys Chaudhuri, 245; orthotype *A. KEMPI* Chaudhuri.

2265. COCKERELL (1913). *Observations on Fish Scales*. Bull. Bureau of Fisheries, XXII (for 1912), Oct. 13, 1913.

THEODORE DRU ALLISON COCKERELL.

Myloleucops Cockerell, 136 (foot note); type *LEUCISCUS ÆTHIOPS* Basilewsky. A substitute for *MYLOLEUCUS* Gthr., preoccupied.

2266. EIGENMANN (1913). *Some Results from an Ichthyological Reconnaissance of Colombia, South America*. Pt. II, Indiana Univ. Studies, 1913, No. 18, 1-32.

CARL H. EIGENMANN.

Pterobrycon Eigenmann, 3; orthotype *P. LANDONI* Eigenmann.

Argopleura Eigenmann, 10; orthotype *BRYCONAMERICUS MAGDALENÆ* Eigenmann.

Zygogaster Eigenmann, 22; orthotype *Z. FILIFER* Eigenmann.

Microgenys Eigenmann, 22; orthotype *M. MINUTUS* Eigenmann.

2267. ELLIS (1913). *The Gymnotid Eels of Tropical America*. Mem. Carneg. Mus. VI, 1913, 109-195.

MAX MAPES ELLIS.

Orthosternarchus Ellis, 144; orthotype *STERNARCHUS TEMANDUA* Boulenger.

Odontosternarchus Ellis, 155; orthotype *STERNARCHUS SACHSI* Peters.

2268. ELLIS (1913). *The Plated Nematognaths*. Mem. Carneg. Mus., VIII, 1913, 384-413.

MARIAN LEE ELLIS.

Cascadura Ellis, 387; orthotype *C. MACULOCEPHALA* Ellis.

2269. FOWLER (1913). *Curimatus spilurus Cope, a wrongly identified Characin*. Proc. Acad. Nat. Sci. Phila., LXV, 1913, 673-675.

HENRY WEED FOWLER.

Xyrocharax Fowler, 673; orthotype *CURIMATUS STIGMATURUS* Fowler.

2270. FOWLER (1913). *Notes on Catostomoid Fishes*. Proc. Acad. Nat. Sci. Phila., LXV, 1913, 45-60.

HENRY WEED FOWLER.

Megastomatobus Fowler, 45; orthotype *SCLEROGNATHUS CYPRINELLA* Cuv. & Val. A synonym of *SCLEROGNATHUS* as restricted by Günther & Jordan. The first species named under *SCLEROGNATHUS*, however, was a *CARPIODES*.

Notolepidomyzon Fowler, 47; orthotype *PANTOSTEUS ARIZONÆ* (Gilbert).

Scartomyzon Fowler, 59; orthotype *PTYCHOSTOMUS CERVINUS* Cope.

Pithecomyzon Fowler, 54; orthotype *CHASMISTES CUJUS* Cope.

2271. FOWLER (1913). *Fishes from the Madeira River, Brazil*. Proc. Acad. Nat. Sci. Phila., LXV., 1913, 517-579.

HENRY WEED FOWLER.

Prionobrama Fowler, 553; orthotype *P. MADEIRÆ* Fowler.

Gnathocharax Fowler, 561; orthotype *G. STEINDACHNERI* Fowler.

Tyttocharax Fowler, 564; orthotype *T. MADEIRÆ* Fowler.

2272. FOWLER (1913). *Fowlerina Eigenmann, a Preoccupied Generic Name*. Science, XXXVIII, 1913, 51.

HENRY WEED FOWLER.

Ephippicharax Fowler, 51; orthotype *TETRAGONOPTERUS COMPRESSUS* Gthr. A substitute for *FOWLERINA* Eigenmann, preoccupied.

2273. GARMAN (1913). *The Plagiostomia (Sharks, Skates, and Rays)*. Mem. Mus. Comp. Zool. Harvard Coll., XXXVI, 1913, 1-528.

SAMUEL GARMAN.

Vulpecula (Valmont) Garman, 31; orthotype *VULPECULA MARINA* (Valmont) Garman = *SQUALUS VULPINUS* Bonnaterre = *SQUALUS VULPES* Gmelin. Same as *ALOPIAS* Raf. and of earlier date, but Valmont's names are of doubtful validity.

Catulus (Valmont) Garman, 71; orthotype *CATULUS VULGARIS* Valmont = *SQUALUS CATULUS* L. Name preoccupied by *CATULUS* Kniphof, 1759, a genus of HEMIPTERA. Same as *SCYLLIORHINUS* Blainv.

Apristurus Garman, 96; orthotype *SCYLLIORHINUS INDICUS* Brauer.

Atelomycterus Garman, 100; orthotype *SCYLLIUM MARMORATUM* Bennett.

Haploblepharus Garman, 101; orthotype *SCYLLIUM EDWARDSII* (Cuv.) Voigt.

Zanobatus Garman, 291; orthotype *PLATYRHINA SCHÆNLEINI* M. & H.

Urobatis Garman, 401; orthotype *LEIOBATUS SLOANI* Blainv.

Pteromylæus Garman, 437; logotype *MYLIOBATIS ASPERRIMUS* J. & E.

2274. HOLT & BYRNE (1913). *Sixth Report on the Fishes of the Irish Atlantic Slope. The Families Stomiidæ, Sternoptychidæ, and Salmonidæ*. Dublin Fish Ireland Sci. Invest., 1913, 1-27.

ERNEST W. L. HOLT; L. W. BYRNE.

Lamprotoxus Holt & Bryne, 2; orthotype *L. FLAGELLIBARBA* Holt & Byrne.

2275. JORDAN (1913). *Ellimma, a Genus of Fossil Herrings*. Proc. Biol. Soc. Washington, XXVI, 1913, 79.

DAVID STARR JORDAN.

Ellimma Jordan, 79; orthotype *ELLIPES BRANNERI* Jordan (fossil). Substitute for *ELLIPES* Jordan, preoccupied.

2276. JORDAN & METZ (1913). *A Catalogue of the Fishes Known from the Waters of Korea*. Mem. Carnegie Mus., VI, 1913, 1-65.

DAVID STARR JORDAN; CHARLES WILLIAM METZ (1889-).

Zunasia Jordan & Metz, 7; orthotype *PRISTIGASTER CHINENSIS*, Basilewsky, the young of *ILISHA ELONGATA* Gray. A synonym of *ILISHA* Gray.

2277. JORDAN & THOMPSON (1913). *Notes on a Collection of Fishes from the Island of Shikoku in Japan, with a Description of a New Species, Gnathypops iyonis*. Proc. U. S. Nat. Mus., XLVI, 65-72.

DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.

- Onigocia** Jordan & Thompson, 70; orthotype *PLATYCEPHALUS MACROLEPIS* Blkr.
Inegocia Jordan & Thompson, 70; orthotype *PLATYCEPHALUS JAPONICUS* Krusenstern.
2278. LAHILLE (1913). *Nota sobre siete peces de las costas argentinas*. An. Mus. Nac. Buenos Aires, XXIV, 1913, 1-24.
 FERNANDO LAHILLE.
Besnardia Lahille, 1; orthotype *B. GYRINOPS* Lahille.
2279. LANGER (1913). *Beiträge zur Morphologie der viviparen Cyprinodontiden*. Morph. Jahrb. Leipzig, XLVII, 1913, 193-307.
 W. F. LANGER.
Gulapinnus Langer, 207; orthotype *CNESTERODON DECEMMACULATUS* Garman.
- 2279A. LERICHE (1913). *Les poissons paléocènes de Landana (Congo)*. Ann. du Musée du Congo Belge. Geol. Paleont. Mineral., ser. 3, I, 69-80.
 MAURICE LERICHE.
Hypolophites Leriche; orthotype *H. MAYOMBENSIS* Leriche (fossil shark).
2280. OGILBY (1913). *Edible Fishes of Queensland: I. Pempheridæ; II. Gadopsiform Percoids*. Mem. Queensland Mus. (Dec. 10, 1913).
 JAMES DOUGLAS OGILBY.
Liopempheris Ogilby, 61; orthotype *PEMPHERIS MULTIRADIATA* Klunzinger; near *CATALUFA* Snyder, 1911; perhaps a synonym.
2281. PELLÉGRIN (1913). *Poisson des côtes de Mauritanie. Mission de M. Gruvel*. Paris Bull. Soc. Zool., XXXVIII, 1913, 116-118.
 JACQUES PELLÉGRIN.
Panturichthys Pellégrin, 118; orthotype *P. MAURITANICUS* Pellégrin.
2282. PELLÉGRIN (1913). *Poissons nouveaux de Guinée Française recueillis par M. Pobéguin*. Bull. Soc. Zool. Paris, XXXVIII, 1913, 236-241.
 JACQUES PELLÉGRIN.
Diagrammella Pellégrin, 295; orthotype *DIAGRAMMA MACROPS* Pellégrin.
2283. PELLÉGRIN (1913). *Sur un nouveau genre de Centrarchidés du Gabon*. Comptes Rendus Acad. Roy. 26, 1913, 1488-1489.
 JACQUES PELLÉGRIN.
Parakuhlia Pellégrin, 1489; orthotype *P. BOULENGERI* Pellégrin.
2284. RADCLIFFE (1913). *Descriptions of Seven New Genera and Thirty-one New Species of Fishes of the Families Brotulidæ and Carapidæ from the Philippine Islands and the Dutch East Indies*. Proc. U. S. Nat. Mus., XLIV, 135-176.
 LEWIS RADCLIFFE.
Homostolus Radcliffe, 147; orthotype *H. ACER* Radcliffe.
Enchelybrotula Radcliffe, 154; orthotype *E. PAUCIDENS* Radcliffe.
Mastigopterus Radcliffe, 159; orthotype *M. IMPERATOR* Radcliffe.
Hypopleuron Radcliffe, 164; orthotype *H. CANINUM* Radcliffe.
Luciobrotula Radcliffe, 170; orthotype *L. BARTSCHI* Radcliffe.
Xenobythites Radcliffe, 173; orthotype *X. ARMIGER* Radcliffe.
Pyramodon Radcliffe, 175; orthotype *P. VENTRALIS* Radcliffe.

2285. REGAN (1913). *The Antarctic Fishes of the Scottish National Antarctic Expedition*. Edinburgh Trans. Roy. Soc. 49, 1913, 229-292.

CHARLES TATE REGAN.

- Eugnathosaurus** Regan, 234; orthotype *E. vorax* Regan.
Ophthalmolycus Regan, 243; orthotype *LYCODES MACROPS* Gthr.
Austrolycichthys Regan, 244; orthotype *LYCODES BRACHYCEPHALUS* Pappenheim.
Austrolycus Regan, 245; orthotype *A. depressiceps* Regan.
Crossolycus Regan, 247; orthotype *LYCODES FIMBRIATUS* Steind.
Pagetopsis Regan, 286; orthotype *CHAMPSOCEPHALUS MACROPTERUS* Boulenger.
Chænocephalus Regan, 287; orthotype *C. aceratus* Regan.

2286. REGAN (1913). *The Classification of the Percoid Fishes*. Ann. Mag. Nat. Hist., XII, 1913, 111-115.

CHARLES TATE REGAN.

- Centrodraco** Regan, 145; orthotype *DRACONETTA ACANTHOPOMA* Regan.

2287. REGAN (1913). *Fishes from the River Ucayali, Peru, Collected by W. Mounsey*. Ann. Mag. Nat. Hist., XII, 1913, 281-283.

CHARLES TATE REGAN.

- Apistogramma** Regan, 282; orthotype *HETEROGRAMMA BORELLI* Regan. A substitute for *HETEROGRAMMA* Regan, preoccupied.

2288. REGAN (1913). *The Fishes of the San Juan River, Colombia*. Ann. Mag. Nat. Hist., XII, 1913, 462-473.

CHARLES TATE REGAN.

- Xenurocharax** Regan, 463; orthotype *X. spurrelli* Regan.
Nannorhamdia Regan, 467; orthotype *N. spurrelli* Regan.

2289. REGAN (1913). *Phallostethus dunckeri, a Remarkable New Cyprinodont Fish from Johore*. Ann. Mag. Nat. Hist. XII, 1913, 548-555.

CHARLES TATE REGAN.

- Phallostethus** Regan, 548; orthotype *P. dunckeri* Regan.

2290. REGAN (1913). *A Collection of Fishes Made by Professor Francisco Fuentes at Easter Island*. Proc. Zool. Soc. London, 1913, 368-374.

CHARLES TATE REGAN.

- Girellops** Regan, 369; orthotype *GIRELLA NEBULOSA* Kendall & Radcliffe.

2291. REGAN (1913). *A Revision of the Cyprinodont Fishes of the Sub-Family Pæciliinæ*. Proc. Zool. Soc. London, 1913, 977-1018.

CHARLES TATE REGAN.

- Priapichthys** Regan, 991; orthotype *GAMBUSIA ANNECTENS* Regan.
Priapella Regan, 992; orthotype *GAMBUSIA BONITA* Meek.
Pseudopæcilia Regan, 995; orthotype *PÆCILIA FESTÆ* Boulenger.
Pæcilopsis Regan, 997; orthotype *P. isthmensis* Regan.
Brachyrhaphis Regan, 997; orthotype *GAMBUSIA RHABDOPHORA* Regan.
Leptorhaphis Regan, 998; orthotype *GAMBUSIA INFANS* Woolman.
Pamphoria Regan, 1003; orthotype *CNESTERODON SCALPRIDENS* Garman.
Pamphorichthys Regan, 1003; orthotype *HETERANDRIA MINOR* Garman.

2292. RIBEIRO (1913). *Fauna Brasiliense. Peixes. V (part). Serranidæ (39 pp.), Hæmulidæ (30 pp.), and Sciænidæ (46 pp.)*. Arch. Mus. Rio de Janeiro, XVII, 1913.

ALIPIO DE MIRANDA RIBEIRO.

Symphysoglyphus Ribeiro, 43; orthotype OTOLITHUS BAIRDI Steind.

2293. ROULE (1913). *Deuxième Expédition Antarctique Française. Poissons*, 1913, 1-25.

LOUIS ROULE.

Dolloidraco Roule, 15; orthotype D. LONGIDORSALIS Roule.

2294. ROULE (1913). *Étude sur les formes larvaires Tiluriennes de poissons apodes*. Ann. Inst. Ocean. Monaco, VI, f. 2, 1913, 1-23.

LOUIS ROULE.

Grimaldichthys Roule, 2; orthotype G. PROFUNDISSIMUS Roule.

2295. SMITH (1913). *The Hemiscylliid Sharks of the Philippine Archipelago, with Description of a New Genus from the China Sea. (Scientific Results of the Philippine Cruise of the Fisheries Steamer "Albatross," 1907-1910. No. 28.)* Proc. U. S. Nat. Mus., XLV, 567-569.

HUGH McCORMICK SMITH.

Cirrhoscyllium Smith, 568; orthotype C. EXPOLITUM Smith.

2296-2297. SMITH (1913). *Description of a New Carcharioid Shark from the Sulu Archipelago*. Proc. U. S. Nat. Mus., XLV, 1913, 599-601.

HUGH McCORMICK SMITH.

Eridacnis Smith, 599; orthotype E. RADCLIFFEI Smith.

2298. STARKS (1913). *The Fishes of the Stanford Expedition to Brazil*. Stanford Univ. Publ., University Series, 1913, 1-77.

EDWIN CHAPIN STARKS.

Platypogon Starks, 29; orthotype P. CÆRULIROSTRIS Starks.

2299. WEBER (1913). *Résultats de l'expédition scientifique néerlandaise à la Nouvelle-Guinée*. Nova Guinea, IX, 513-613.

MAX WEBER.

Oloplotosus Weber, 521; orthotype O. MARLÆ Weber.

Porochilus Weber, 523; orthotype P. OBBESI Weber.

Doiichthys Weber, 532; orthotype D. NOVÆ-GUINÆÆ Weber.

Tetranesodon Weber, 545; orthotype T. CONORHYNCHUS Weber.

2300. WEBER (1913). *Siboga-Expeditie. Die Fische der Siboga-Expeditie*. Leiden, 1-710.

MAX WEBER.

Ceromitus Weber, 54; orthotype C. FLAGELLIFER Weber.

Promacheon Weber, 84; orthotype P. SIBOGÆ Weber.

Apterygocampus Weber, 116; orthotype A. EPINNULATUS Weber.

Odontonema Weber, 148; orthotype O. KERBERTI Weber.

Leiogaster Weber, 179; orthotype L. MELANOPUS Weber.

Pteranthias Weber, 209; orthotype P. LONGIMANUS Weber.

Sphenanthias Weber, 210; orthotype S. SIBOGÆ Weber.

Nematochromis Weber, 265; orthotype N. ANNÆ Weber.

Cheiloprion Weber, 342; orthotype POMACENTRUS LABIATUS Day.

Cyttula Weber, 411; orthotype C. MACROPS Weber.

Lepidoblepharon Weber, 421; orthotype L. OPHTHALMOLEPIS Weber.

Liopteryx Weber, 423; orthotype BRACHYPLEURA XANTHOSTICTA Alcock.

Pleurosicya Weber, 456; orthotype P. BOLDINGHI Weber.

Tydemanina Weber, 570; orthotype T. NAVIGATORIS Weber.

2301. WEBER (1913). *Neue Beiträge zur Kenntniss der Süßwasserfische von Celebes*.^{*} Amster. Bijdr. Dierk., 1913, 197-213.

MAX WEBER.

Adrianichthys Weber, 204; orthotype A. KRUYTI Weber.

2302. ZUGMAYER (1913). *Diagnoses des Stomiatiidés provenant des campagnes du Yacht "Hirondelle II," 1911-1912*. Bull. Institut. Océanographique. Monaco, 1913.

ERICH ZUGMAYER.

Aristostomias Zugmayer, 1; orthotype A. GRIMALDII Zugmayer.

1914.

2303. BERG (1914). *Faune de la Russie et des Pays limitropes*. Bull. Acad. Imp. Sci. Petrograd. *Poissons, Marsipobranchii et Pisces*. Tome III, Ostariophysi, Livraison 2, 1914.

LEO SEMENOVICH BERG.

Chilogobio Berg, 488; orthotype C. SOLDATOVII Berg.

Pseudogobiops Berg, 500; orthotype GOBIO RIVULARIS Basilewsky.

Leucalburnus Berg, 5, 521; orthotype L. SATURNINI Berg.

2304. BOGOLIUBOV (1914). *Étude sur le Paracymatodus Traut.* Ann Géol. Univ. Novo Aleksandrija, XVI, 197-199.

H. H. BOGOLIUBOV.

Paracymatodus Bogoliubov, 197; orthotype CYMATODUS RECLINATUS Trautschold.

2305. BOULENGER (1914). *Mission Stappers au Tanganika-Moero. Diagnoses de poissons nouveaux. 1. Acanthopterygiens, Opisthomes, Cyprinodontes*. Rev. Zool. Afr. Bruxelles, III, 1914, 442-447.

GEORGE ALBERT BOULENGER.

Luciolates Boulenger, 443; orthotype L. STAPPERSII Boulenger.

Stappersia Boulenger, 445; orthotype S. SINGULARIS Boulenger.

2306. BOULENGER (1914). *Cichlidæ*. Wissensch. Ergebniss. Deutsch. Zentral. Afrika-Exped., 1907-1908, V, Zool. III, 1914, 253-259.

GEORGE ALBERT BOULENGER.

Schubotzia Boulenger, 258; orthotype S. EDUARDINA Boulenger.

2307. BRANSON (1914). *The Devonian Fishes of Missouri*. Bull. Univ. Missouri. Science, II, 59-74.

EDWIN BAYER BRANSON.

Eoörodus Branson, 68; orthotype E. TYPUS Branson (fossil: shark-tooth).

2308. EASTMAN (1914). *Catalog of the Fossil Fishes in the Carnegie Museum*. Pt. II. Supplement to the *Catalog of Fishes from the Upper Eocene of Monte Bolca*. Mem. Carneg. Mus., VI, No. 5, 315-348.

CHARLES ROCHESTER EASTMAN.

Eobothus Eastman, 328; orthotype RHOMBUS MINIMUS Ag. (fossil flounder).

Eolabroides Eastman, 336; orthotype CRENILABRUS SZANOCHÆ Zigno (fossil labroid).

Gillidia Eastman, 345; orthotype TOXOTES ANTIQUUS Ag. (fossil).

* Reise von E. C. Abendanon.

2309. EASTMAN (1914). *Catalogue of the Fossil Fishes in the Carnegie Museum, IV*. Descriptive catalogue of the fossil fishes from the Lithographic Stone of Solenhofen, Bavaria. Mem. Carneg. Mus., VI, 1914, 389-449.

CHARLES ROCHESTER EASTMAN.

Parathrissops Eastman, 417; orthotype *P. FURCATUS* Eastman (fossil LEPTOLEPIDÆ, Jurassic, Solenhofen).

2310. EIGENMANN (1914). *Some Results from Studies of South American Fishes*. Indiana Univ. Bull., XII, 1914, 20-48.

CARL H. EIGENMANN.

Bleptonema Eigenmann, 44; orthotype *B. PARAGUAYENSIS* Eigenmann. A synonym of *PRIONOBAMA* Eigenmann.

Parecbasis Eigenmann, 45; orthotype *P. CYCLOLEPIS* Eigenmann.

2311. EIGENMANN, HENN, AND WILSON. (1914). *New Fishes from Western Colombia, Ecuador and Peru*. Indiana Univ. Studies, XIX, 1914, 1-15.

CARL H. EIGENMANN; ARTHUR WILBUR HENN; CHARLES WILSON.

Landonia Eigenmann & Henn, 1; orthotype *L. LATIDENS* Eigenmann & Henn.

Phanagoniates Eigenmann & Henn, 2; orthotype *P. WILSONI* Eigenmann & Henn. Misprinted elsewhere as PHENAGONIATES.

Microbrycon Eigenmann, Henn & Wilson, 3; orthotype *M. MINUTUS* Eigenmann Henn & Wilson.

Ceratobranchia Eigenmann, Henn & Wilson, 4; orthotype *C. OBTUSIROSTRIS* Eigenmann, Henn & Wilson.

2312. FACCIOLÀ (1914). *Su di un nuovo tipo del Nettastomidi*. Roma, Bull. Soc. Zool. Ital. (3), III, 1914, 39-47.

LUIGI FACCIOLÀ.

Nettastomella Facciolà, 47; orthotype *N. PHYSONEMA* Facciolà.

2313. FOWLER (1914). *Fishes from the Rupununi River, British Guiana*. Proc. Acad. Nat. Sci. Phila., LXVI, 229-284.

HENRY WEED FOWLER.

Myocharax Fowler, 239; orthotype *LEPORINUS DESMOTES* Fowler.

Xiphocharax Fowler, 251; orthotype *X. OGILVIEI* Fowler.

Cobitiglanis Fowler, 268; orthotype *OCHMACANTHUS TAXISTIGMA* Fowler. A synonym of *HENONEMUS* Eigenmann & Ward.

Stoniella Fowler, 271; orthotype *S. LEOPARDUS* Fowler.

2314. JORDAN & THOMPSON (1914). *Record of the Fishes Obtained in Japan in 1911*. Mem. Carneg. Mus. VI, 1914, 205-313.

DAVID STARR JORDAN; WILLIAM FRANCIS THOMPSON.

Tanakia Jordan & Thompson, 230; orthotype *RHODEUS ORYZÆ* Jordan & Thompson.

Ectenias Jordan & Thompson, 241; orthotype *E. BRUNNEUS* Jordan & Thompson.

Icticus Jordan & Thompson, 242; orthotype *I. ISCHANUS* Jordan & Thompson.

Franzia Jordan & Thompson, 251; orthotype *ANTHIAS NOBILIS* Franz.

Calymmichthys Jordan & Thompson, 296; orthotype *C. XENICUS* Jordan & Thompson.

Spectrunculus Jordan & Thompson, 301; orthotype *S. RADCLIFFEI* Jordan & Thompson.

Tarphops Jordan & Thompson, 307; orthotype *PSEUDORHOMBUS OLIGOLEPIS* Blkr.

2315. McCULLOCH (1914). *Notes on Some Australian Pipe-Fishes*. Australian Zoologist. I, pt. 1, 1914, 29-31.

ALLAN RIVERSTON McCULLOCH.

Histiogamphelus McCulloch, 30; orthotype *H. BRIGGSI* McCulloch.

2316. McCULLOCH (1914). *Report on Some Fishes Obtained by the F. I. S. "Endeavour" on the Coast of Queensland, New South Wales, Victoria, Tasmania, South and South Western Australia.* Part II. Biol. Res. "Endeavour," II, Pt. 3, 77-165.

ALLAN RIVERSTON McCULLOCH.

Vinculum McCulloch, 110; orthotype CHÆTODON SEXFASCIATUS Rich.
Allocyttus McCulloch, 114; orthotype CYTTOSOMA VERRUCOSUM Gilchrist.

2317. MEEK (1914). *An Annotated List of Fishes Known To Occur in the Fresh Waters of Costa Rica.* Field Museum, Nat. Hist. Pub. Zool., Ser. X, 1914, 101-134.

SETH EUGENE MEEK.

Carlia Meek, 108; orthotype CHEIRODON EIGENMANNI Meek.

2318. OGILBY (1914). (*Ptenonotus.*) Ann. Queensland Museum, XXII.

JAMES DOUGLAS OGILBY.

Ptenonotus Ogilby, 13; orthotype EXOCÆTUS CIRRIGER Peters.

2319. PAPPENHEIM (1914). *Die Tiefseefische.* Südpol-Expedition. 1901-1903, XV, Zoologie, VI, 1914, 163-200.

KARL PAPPENHEIM.

Gnathostomias Pappenheim, 172; orthotype G. LONGIFILIS Pappenheim.
Neoceratias Pappenheim, 198; orthotype N. SPINIFER Pappenheim.

2320. REGAN (1914). *Diagnoses of New Marine Fishes Collected by the British Antarctic ("Terra Nova") Expedition.* Ann. Mag. Nat. Hist. XIII, 1914, 11-17.

CHARLES TATE REGAN.

Prinodraco Regan, 10; orthotype P. EVANSI Regan.
Pogonophryne Regan, 13; orthotype P. SCOTTI Regan.
Chænodraco Regan, 14; orthotype C. WILSONI Regan.
Serranops Regan, 15; orthotype S. MACULICAUDA Regan.
Cynophidium Regan, 16; orthotype C. PUNCTATUM Regan.
Lepidoperca Regan, 17; orthotype L. INORNATA Regan.

2321. REGAN (1914). *Note on Aristeus goldiei Macleay, and on Some Other Fishes from New Guinea.* Proc. Zool. Soc. London, 1914, 339-340.

CHARLES TATE REGAN.

Rhombosoma Regan, 339; orthotype NEMATOCENTRIS NOVÆ-GUINÆE Weber = ARISTEUS GOLDIEI Macleay.

2322. REGAN (1914). *Report on the Fresh-Water Fishes Collected by the British Ornithologists' Union Expedition in Dutch New Guinea.* Trans. Zool. Soc. London, 1914, XX, 275-286.

CHARLES TATE REGAN.

Rhadinocentrus Regan, 280; orthotype R. ORNATUS Regan.
Anisocentrus Regan, 281; orthotype NEMATOCENTRIS RUBROSTRIATUS Weber.
Chilatherina Regan, 282; orthotype RHOMBATRACTUS FASCIATUS Weber.

2323. REGAN (1914). *Two New Cyprinid Fishes from Waziristan, Collected by Major G. E. Bruce.* Ann. Mag. Nat. Hist. XIII, 1914, 261-263.

CHARLES TATE REGAN.

Schizocypris Regan, 262; orthotype S. BRUCEI Regan.

2324. REGAN (1914). *Descriptions of Two New Cyprinodont Fishes from Mexico, Presented to the British Museum by Herr A. Rachow.* Ann. Mag. Nat. Hist., XIV, 1914, 65-67.

CHARLES TATE REGAN.

Heterophallus Regan, 66; orthotype *H. RACHOVII* Regan.

2325. REGAN (1914). *A Synopsis of the Fishes of the Family Macrorhamphosidæ.* Ann. Mag. Nat. Hist., XIII, 1914, 17-21.

CHARLES TATE REGAN.

Notopogon Regan, 14; logotype *N. SCHOTELI* Regan.

Scolopacichthys Regan, 21; orthotype *CENTRISCUS ARMATUS* Sauvage.

2326. REGAN (1914). *British Antarctic ("Terra Nova") Expedition.* Zoology, I, Fishes, 1914, 1-54.

CHARLES TATE REGAN.

Histiodraco Regan, 9; orthotype *DOLLOIDRACO VELIFER* Regan.

Pyramodon Regan, 20; orthotype *CYNOPHIDIUM PUNCTATUM* Regan.

2327. ZUGMAYER (1914.) *Diagnoses de quelques poissons nouveaux provenant des campagnes du yacht Hironnelle II (1911-1913).* Bull. Inst. Ocean. Monaco, 1914, No. 2888, 1-4.

ERICH ZUGMAYER.

Cetostoma Zugmayer, 3; orthotype *C. REGANI* Zugmayer.

Zoarcites Zugmayer, 3; orthotype *Z. PARDALIS* Zugmayer.

1915.

2328. BAMBER (1915). *Reports on the Marine Biology of the Sudanese Red Sea, from Collections Made by Cyril Crossland, etc.* XXII. *The Fishes.* Journ. Linn. Soc. London, XXXI, 1915, 477-485.

R. C. BAMBER.

Neenchelys Bamber, 479; orthotype *N. MICROTRETUS* Bamber.

2329. BERG (1915). *Compte-Rendu préliminaire sur les harénges collectionnés dans la mer Caspienne par l'Expédition Caspienne de l'Année, 1913.* Mat. Pozn. Russk. Rybolav, IV, No. 6, pp. 1-8.

LEW SEMENOVICH BERG.

Caspialosa Berg, 12; orthotype *CLUPEONELLA CASPIA* Berg. A substitute for *CLUPEONELLA* Berg; not of Kessler.

2330. BERG (1915). *Faune de la Russie.* Poissons, III, Pt. 2, 337-704.

LEW SEMENOWITCH BERG.

Chilogobio Berg, 490; orthotype *C. CZERSKII* Berg.

2331. EIGENMANN (1915). *The Cheilodontinæ, a Subfamily of Minute Characid Fishes of South America.* Mem. Carneg. Mus., VII, No. 1, 1-99.

CARL H. EIGENMANN.

Leptobrycon Eigenmann, 46; orthotype *L. JUTUARANÆ* Eigenmann.

Macropsobrycon Eigenmann, 48; orthotype *M. URUGUAYANÆ* Eigenmann.

Megalamphodus Eigenmann, 49; orthotype *M. MEGALOPTERUS* Eigenmann.

Microschemobrycon Eigenmann, 56; orthotype *M. GUAPORENSIS* Eigenmann.

Oligobrycon Eigenmann, 57; orthotype *O. MICROSTOMUS* Eigenmann.

- Aphyocheiroidon** Eigenmann, 58; orthotype *A. HEMIGRAMMUS* Eigenmann.
Compsura Eigenmann, 60; orthotype *C. HETERURA* Eigenmann.
Mixobrycon Eigenmann, 62; orthotype *CHEIRODON RIBEIROI* Eigenmann.

2332. EIGENMANN (1915). *The Serrasalminæ and Mylinæ*. Ann. Carneg. Mus., IX, 1915, 226-272.

CARL H. EIGENMANN.

- Gastropristis** Eigenmann, 238; orthotype *SERRASALMO TERNETZI* Steind.
Rooseveltiella Eigenmann, 240; orthotype *SERRASALMO NATTERERI* Kner.
Pristobrycon Eigenmann, 245; orthotype *SERRASALMO CALMONI* Steind.

2333. FOWLER (1915). *Notes on Nematognathous Fishes*. Proc. Acad. Nat. Sci. Phila., LXVII, 223-243.

HENRY WEED FOWLER.

- Cataphractops** Fowler, 231; orthotype *CALLICHTHYS MELAMPTERUS* Cope.
Diapaletoplites Fowler, 237; orthotype *HYPLOPTOPOMA GULARE* Cope.

2334. GILBERT (1915). *Fishes Collected by the United States Steamer "Albatross" in Southern California in 1904*. Proc. U. S. Nat. Mus., XLVIII, 305-380.

CHARLES HENRY GILBERT.

- Xenognathus** Gilbert, 311; orthotype *X. PROFUNDORUM* Gilbert.
Zastomias Gilbert, 322; orthotype *Z. SCINTILLANS* Gilbert.
Asterotheca Gilbert, 343; orthotype *XENOCHIRUS PENTACANTHUS* Gilbert.
Lipariscus Gilbert, 358; orthotype *L. NANUS* Gilbert.
Lycogramma Gilbert, 364; orthotype *MAYNEA BRUNNEA* Bean.
Monoceratias Gilbert, 379; orthotype *M. ACANTHIAS* Gilbert.

2335. HUBBS (1915). *Flounders and Soles from Japan Collected by the United States Bureau of Fisheries Steamer "Albatross" in 1906*. Proc. U. S. Nat. Mus., XLVIII, 449-496.

CARL L. HUBBS (1894-).

- Citharoides** Hubbs, 453; orthotype *C. MACROLEPIDOTUS* Hubbs.
Psettina Hubbs, 456; orthotype *ENGYPROSOPON IJIMÆ* Jordan & Starks.
Læoptichthys Hubbs, 460; orthotype *L. FRAGILIS* Hubbs.
Gareus Hubbs, 486; orthotype *PLEURONECTES OBSCURUS* Herzenstein.

2336. McCULLOCH (1915). *Notes on and Descriptions of Australian Fishes*. Proc. Linn. Soc. New S. Wales, XL, 259-277.

ALLAN RIVERSTON McCULLOCH.

- Lovettia** McCulloch, 259; orthotype *HAPLOCHITON SEALII* Johnston.

2337. McCULLOCH (1915). *Notes and Illustrations of Queensland Fishes*. Mem. Queensland Mus., III, 1915, 47-56.

ALLAN RIVERSTON McCULLOCH.

- Belonepterygion** McCulloch, 51; orthotype *ACANTHOCLINUS FASCIOLATUS* Ogilby.

2338. McCULLOCH (1915). *Report on Some Fishes Obtained by the F. I. S. "Endeavour" on the Coast of Queensland, New South Wales, Victoria, Tasmania, South and South Western Australia, Part III*. Biol. Res. "Endeavour" 3, Pt. III, 97-170.

ALLAN RIVERSTON McCULLOCH.

- Acanthopegasus** McCulloch, 106; orthotype *PEGASUS LANCIFER* Kaup.

2339. McCULLOCH & WAITE (1915). *A Revision of the Genus Aracana and Its Allies*. Trans. Roy. Soc. Austral., XXXIX, 1915, 477-493.

ALLAN RIVERSTON McCULLOCH; EDGAR RAVENSWOOD WAITE.

Caprichthys McCulloch & Waite, 482; orthotype *C. GYMNURA* McCulloch & Waite.

2340. OGILBY (1915). *On Some New or Little Known Australian Fishes*. Mem. Queensland Mus., III, 1915, 117-129.

JAMES DOUGLAS OGILBY.

Reganichthys Ogilby, 123; orthotype *R. MAGNIFICUS* Ogilby. A synonym of *GLAUCOSOMA* T. & S.

Rhizoprion Ogilby, 132; orthotype *CARCHARIAS CRENIDENS* Klunzinger.

2341. PELLÉGRIN (1915). *Les poissons du bassin de l'Ogoué*. Comptes Rend. Ass. France. Adv. Science, XLIII, 500-505.

JACQUES PELLÉGRIN.

Hemistichodus Pellégrin, 500; orthotype *H. VAILLANTI* Pellégrin.

2342. RIBEIRO (1915). *Fauna Brasiliense, Peixes (Eleutherobranchios aspirophoros)*. Archivos do Museo Nacional do Rio Janeiro, XVII, 1915. (In this large volume each family has a separate pagination.)

ALIPIO DE MIRANDA RIBEIRO.

Kronia Ribeiro (ATHERINIDÆ), 9; orthotype *K. IGUAPENSIS* Ribeiro.

Pseudothyryna Ribeiro (ATHERINIDÆ), 11; orthotype *P. JHERINGI* Ribeiro.

Toledia Ribeiro (STROMATEIDÆ), 5; orthotype *T. MACROPHTHALMA* Ribeiro.

Davidia Ribeiro (BALISTIDÆ), 9; orthotype *ALUTERA PUNCTATA* Ag. Not *DAVIDIUS* Selys, 1878, in NEUROPTERA, being named for a different person, David Starr Jordan.

Pseudomulloidus Ribeiro (MULLIDÆ), 4; orthotype *P. CARMINEUS* Ribeiro.

Marcgravichthys Ribeiro (BATRACHOIDIDÆ), 3; orthotype *BATRACHUS CRYPTOCENTRUS* Cuv. & Val. Substitute for *MARCGRAVIA* Jordan, 1886, for the inadequate reason of the use of the name in botany. But both are synonyms of *AMPHICHTHYS* Sw., 1839.

Parablennius Ribeiro (BLENNIIDÆ), 3; orthotype *BLENNIUS PILICORNIS* Cuv. & Val.

- 2343-2344. ROULE (1915). *Sur un nouveau genre de poissons apodes et sur quelques particularités de la biologie de ces êtres*. C. R. Acad. Sci., 160, 1915, 283-284.

LOUIS ROULE.

Pseudophichthys Roule, 283; orthotype *P. LATIDORSALIS* Roule.

2345. SILVESTER (1915). *Fishes New to the Fauna of Porto Rico*. Washington, Carnegie Inst. Year Book, 14, 1915, 214-217.

CHARLES F. SILVESTER.

Mayerina Silvester, 214; orthotype *M. MAYERI* Silvester.

2346. SOLDATOV & PAVLENKO (1915). *Two New Genera of Cottidæ from Tartar Strait and Okhotsk Sea*. Ann. Mus. Zool. Ac. Sci. Petrograd, XX, 1915.

V. K. SOLDATOV; M. N. PAVLENKO.

Taurocottus Soldatov & Pavlenko, 149; orthotype *T. BERGI* Soldatov & Pavlenko.

Trichocottus Soldatov & Pavlenko, 151; orthotype *T. BRASHNIKОВI* Soldatov & Pavlenko.

2347. STEINDACHNER (1915). *Beiträge zur Kenntniss der Flussfische Sudamenkas*. Denks. Kais. Ak. Wiss. Wien, V, 1915.

FRANZ STEINDACHNER.

Æquidens Steindachner, 34; orthotype **TETRAGONOPTERUS FASSLII** Steind. Name preoccupied by **ÆQUIDENS** Eigenmann & Bray.

Pseudepterus Steindachner, 82; orthotype **AUCHENIPTERUS HASEMANI** Steind.

2348. TANAKA (1915). *Ten New Species of Japanese Fishes*. (Text in Japanese). Tokyo Zool. Mag. XXVII, 1915, 556-568.

SHIGEHO TANAKA.

Kanekonia Tanaka, 556; orthotype **K. FLORIDA** Tanaka. (In Japanese, Nov. 15, 1915; English version Nov. 28, 1918).

Asterorhombus Tanaka, 567; orthotype **A. STELLIFER** Tanaka.

Scidorhombus Tanaka, 567; orthotype **S. PALLIDUS** Tanaka.

Lubricogobius Tanaka, 567; orthotype **L. EXIGUUS** Tanaka.

Henicichthys Tanaka, 568; orthotype **H. FORAMINOSUS** Tanaka.

Leptoscolopsis Tanaka, XIX; orthotype **L. NAGASAKIENSIS** Tanaka.

2349. WOODWARD (1915). *The Fossil Fishes of the English Wealden and Purbeck Formations*, I, 1-48. London Mon. Palaeont. Soc.

ARTHUR SMITH WOODWARD.

Hylæobatis Woodward, 19; orthotype **H. PROBLEMATICA** Woodw. (fossil) (**MYLIOBATIDÆ**).

1916.

2350. BERG (1916). *Les poissons des eaux douces de la Russie*. Moscow. (In Russian.) 1-563.

LEW SEMENOVICH BERG.

Leucalburnus Berg, 292; orthotype **PHOXINUS SATUNINI** Berg.

Acanthalburnus Berg, 299; orthotype **ALBURNUS PUNCTULATUS** Kessler.

Capoëtobrama Berg, 316; orthotype **ACANTHOBrama KUSCHAKEWITSCHI** Kessler.

2351. BOGOLIUBOV (1916). (Russian Title.) *Sur l'ichthyodorulite du Polyrhizus concavus Trd. de Miatchkovo*. Gouv. de Moscou Ann. Geol. Miner. Novo Alexandrija, XVI.

N. N. BOGOLIUBOV.

Paracymatodus Bogoliubov, 197; orthotype **CYMATODUS RECLINATUS** Trautschold (fossil) (**PETALODONTIDÆ**). Substitute for **CYMATODUS** Trautschold (not of Newberry), preoccupied.

2352. BOULENGER (1916). *Catalogue of the Fresh-water Fishes of East Africa*.

GEORGE ALBERT BOULENGER.

Otoperca Boulenger, 130; orthotype **LARIMUS AURITUS** Cuv. & Val. A synonym of **BRACHYDEUTERUS** Gill.

Lobochilotes Boulenger, 280; orthotype **TILAPIA LABIATA** Boulenger.

Liauchenoglanis Boulenger, 314; orthotype **L. MACULATUS** Boulenger.

Champsochromis Boulenger, 433; orthotype **C. CÆRULEA** Boulenger.

2353. EIGENMANN (1916). *New and Rare Fishes from South American Rivers*. Ann. Carnegie Mus., X.

CARL H. EIGENMANN.

Cetopsorhamdia Eigenmann, 83; orthotype **C. NASUS** Eigenmann.

2354. EIGENMANN (1916). *On Apareiodon, a New Genus of Characid Fishes*. Ann. Carnegie Museum, X.

CARL H. EIGENMANN.

Apareiodon Eigenmann, 71; orthotype **PARODON PIRACICABÆ** Eigenmann.

2355. FOWLER (1916). *Notes on Fishes of the Orders Haplomi and Microcyprini*. Proc. Ac. Nat. Sci. Phila., LXVIII.

HENRY WEED FOWLER.

Galasaccus Fowler, 417; orthotype **HYDRARGYRA SIMILIS** Baird & Grd. A substitute for **HYDRARGYRA** as commonly used, **HYDRARGYRA SWAMPINA** Lac. being a true **FUNDULUS**.

Chriopeops Fowler, 425; orthotype **LUCANIA GOODEI** Jordan.

Oxzygonectes Fowler, 425; orthotype **HAPLOCHILUS DOWI** Gthr.

2356. GILBERT & HUBBS (1916). *Report on the Japanese Macruroid Fishes Collected by the United States Fisheries Steamer "Albatross" in 1901, with a Synopsis of the Genera*. Proc. U. S. Nat. Mus., LI, 135-214.

CHARLES HENRY GILBERT; CARL LEAVITT HUBBS.

Squalogadus Gilbert & Hubbs, 156; orthotype **S. MODIFICATUS** Gilbert & Hubbs.

2357. HENN (1916). *On Various South American Pæciliid Fishes*. Ann. Carnegie Mus., X, pp. 93-142.

ARTHUR WILBUR HENN.

Diphyacantha Henn, 113; orthotype **D. CHOCOËNSIS** Henn.

Neoheterandria Henn, 117; orthotype **N. ELEGANS** Henn.

Phalloptychus Henn, 121; orthotype **P. EIGENMANNI** Henn.

Phallatorhynchus Henn, 126; orthotype **P. FASCIOLATUS** Henn.

2358. HUBBS (1916). *Notes on the Marine Fishes of California*. Univ. of California Pub. in Zoology, XVI, 1916, 153-169.

CARL LEAVITT HUBBS.

Lestidiops Hubbs, 154; orthotype **L. SPHYRÆNOPSIS** Hubbs.

2359. JORDAN (1916). *The Nomenclature of American Fishes as Affected by the Opinions of the International Commission on Zoological Nomenclature*. Copeia (April 12, 1916).

DAVID STARR JORDAN.

Sufflamen Jordan, 27; orthotype **BALISTES CAPISTRATUS** Shaw. Substitute for **PACHYNATHUS** Sw., preoccupied in Spiders as **PACHYGNATHUS**.

2360. McCULLOCH (1916). *Ichthyological Items*. Mem. Queensland Mus., V (July 10, 1916).

ALLAN RIVERSTON McCULLOCH.

Phyllichthys McCulloch, 67; orthotype **P. PUNCTATUS** McCulloch.

2361. MEEK & HILDEBRAND (1916). *The Fishes of the Fresh Waters of Panama*. Field Museum of Natural History, No. 191; X, Dec. 28, 1916.

SETH EUGENE MEEK; SAMUEL F. HILDEBRAND.

Leptoancistrus Meek & Hildebrand, 254; orthotype **ACANTHICUS CANENSIS** Meek & Hildebrand.

Pseudocheirodon Meek & Hildebrand, 275; orthotype **P. AFFINIS** Meek & Hildebrand.

Leptophilypnus Meek & Hildebrand, 361; orthotype **L. FLUVIATILIS** Meek & Hildebrand.

Microeleotris Meek & Hildebrand, 362; orthotype **M. AFFINIS** Meek and Hildebrand.

Hemieleotris Meek & Hildebrand, 364; orthotype *ELEOTRIS LATIFASCIATUS* Meek & Hildebrand.

2362. OGILBY (1916). *Check List of the Cephalochordates, Selachians and Fishes of Queensland*, Part 1. Mem. Queensl. Mus., 1916.

JAMES DOUGLAS OGILBY.

Dasybatus (Klein; Walbaum) Ogilby, 87; orthotype *RAJAPASTINACA* L. Same as *DASYATIS* Raf. The names reproduced by Walbaum from Klein are rejected by the International Commission.

Cestracion (Walbaum after Klein) Ogilby, 81; orthotype *SQUALUS ZYGÆNA* L. The generic names quoted by Walbaum in 1792 from Klein are rejected by the International Commission.

2363. OGILBY (1916). (*Læpichthys*.) Mem. Queensland Mus., V.

JAMES DOUGLAS OGILBY.

Læpichthys Ogilby, 173; orthotype *ACANTHURUS ROSTRATUS* Gthr.

2364. REGAN (1916). *A Revision of the Clupeoid Fishes of the Genera Pomolobus, Brevoortia and Dorosoma and Their Allies*. Ann. Mag. Nat. Hist., 1916, 297 et seq.

CHARLES TATE REGAN.

Paralosa Regan, 167; orthotype *ALOSA KANAGURTA* Blkr. Name said to be preoccupied (*PARALOSA* Blkr.), replaced by *HILSA* Regan, 1916. But I do not find a *PARALOSA* in Bleeker's writings.

Ethmalosa Regan, 302; orthotype *ALAUSA DORSALIS* Cuv. & Val.

Hilsa Regan, 303; logotype *ALOSA KANAGURTA* Blkr. Substitute for *PARALOSA* Regan, said to be preoccupied.

Nematalosa Regan, 312; orthotype *CLUPEA NASUS* Bloch.

Gonialosa Regan, 315; orthotype *CHATOËSSUS MODESTUS* Day.

2365. REGAN (1916). *The Morphology of the Cyprinodont fishes of the subfamily Phallostethinæ*, etc. Proc. Zool. Soc. London.

CHARLES TATE REGAN.

Neostethus Regan, 14; logotype *N. LANKESTERI* Regan.

2366. RIBEIRO (1916). *Fauna Brasiliensis, Peixes, V*. Archiv. Museu Nacional, XVII. Mullidæ.

ALIPIO DE MIRANDA RIBEIRO.

Pseudomulloidis Ribeiro, 3; orthotype *P. CARMINEUS* Ribeiro.

2367. ROULE (1916). *Notice préliminaire sur quelques espèces nouvelles provenant des croisières de S. A. S. le Prince de Monaco*. Bull. Inst. Océanographique Monaco.

LOUIS ROULE.

Belonopterois Roule, 13; orthotype *B. VIRIDENSIS* Roule.

Barathrites Roule, 17; orthotype *B. ABYSSORUM* Roule.

Echinomacrurus Roule, 22; orthotype *E. MOLLIS* Roule.

Bathysolea Roule, 28; orthotype *B. ALBIDA* Roule.

2368. TANAKA (1916). *Nihon san gyorui no san shinshu (Three New Species of Japanese Fish)*. Dobuts. Z. Tokyo, XXVII.

SHIGEHO TANAKA.

Paragyrops Tanaka, 141; orthotype *P. EDITA* Tanaka.

Pluviopsetta Tanaka, 141; orthotype *P. TANIGUCHI* Tanaka.

2369. TANAKA (1916). *Nihon san gyorui no shi shinshu (Two New Species of Japanese Fishes)*. Dobuts. Z. Tokyo, XXVIII.

SHIGEHO TANAKA.

Brevigobio Tanaka, 102; orthotype *B. KAWABATÆ* Tanaka.

2370. THOMPSON (1916). *Fishes Collected by the United States Bureau of Fisheries Steamer "Albatross" during 1888, between Montevideo, Uruguay, and Tome, Chile, on the Voyage Through the Straits of Magellan*. Proc. U. S. Nat. Mus. L. (May 20, 1916).

WILLIAM FRANCIS THOMPSON.

Ethmidium Thompson, 458; orthotype *CLUPEA NOTACANTHOIDES* Steind. = *ALAUSA MACULATA* Cuv. & Val.

2371. WAITE (1916). *Fishes, Australasian Antarctic Expedition*. Sci. Rep.

EDGAR RAVENSWOOD WAITE.

Aconichthys Waite, 30; orthotype *A. HARRISSONI* Waite.

Cygnodraco Waite, 32; orthotype *C. MAWSONI* Waite.

Dacodraco Waite, 35; type *D. HUNTERI* Waite.

Notosudis Waite, 56; orthotype *N. HAMILTONI* Waite.

Aurion Waite, 63; orthotype *A. EFFULGENS* Waite.

2372. WATSON & DAY (1916). *Notes on Some Palæozoic Fishes*. Mem. Lit. Phil. Doc. Manchester, LX.

DAVID MEREDITH SEARES WATSON; HENRY DAY.

Pentlandia Watson & Day, 34; orthotype *DIPTERUS MACROPTERUS* Traquair (fossil).

2373. WEBER & BEAUFORT (1916). *The Fishes of the Indo-Australian Archipelago, III, Ostariophysi, Apodes, Synbranchi*.

MAX WEBER; LIEVEN FERDINAND DE BEAUFORT.

Brachydanio Weber & Beaufort, 85; orthotype *DANIO ALBOLINEATA* Blyth.

Lissochilus Weber & Beaufort, 167; logotype *L. SUMATRANUS* Weber & Beaufort.

Hemerorhinus Weber & Beaufort, 281; orthotype *SPHAGEBRANCHUS HEYNINGI* Weber.

Cheiloprion Weber, 342; orthotype *POMACENTRUS LABIATUS* Day.

2374. WOODWARD (1916). *The Fossil Fishes of the English Wealden and Purbeck Formations, II*. Paleontological Society, LXIX, October, 1916.

ARTHUR SMITH WOODWARD.

Hylæobatis Woodward, 19; orthotype *H. PROBLEMATICA* Woodw. (fossil).

1917.

2375. EASTMAN (1917). *Fossil Fishes in the United States National Museum*. Proc. U. S. Nat. Mus., 1917. LII.

CHARLES ROCHESTER EASTMAN.

Parafundulus Eastman, 291; orthotype *P. NEVADENSIS* Eastman (Pleistocene of Nevada fossil).

2376. EIGENMANN (1917). *The American Characidæ*. Mem. Mus. Comp. Zool., XLIII, pt. 1, 1917.

CARL H. EIGENMANN.

Entomolepis Eigenmann, 63; orthotype *TETRAGONOPTERUS STEINDACHNERI* Eigenmann.

2377. EIGENMANN (1917). *New and Rare Species of South American Siluridæ in the Carnegie Museum*. Ann. Carneg. Mus., XI, 1917.

CARL H. EIGENMANN.

Cheirocerus Eigenmann, 398; orthotype *C. EQUES* Eigenmann.

Entomocorus Eigenmann, 403; orthotype *E. BENJAMINI* Eigenmann.

2378. EVERMANN & RADCLIFFE (1917). *Fishes of the West Coast of Peru and the Titicaca Basin*. Bull. U. S. Nat. Mus., XCV, 1917.

BARTON WARREN EVERMANN; LEWIS RADCLIFFE.

Epelytes Evermann & Radcliffe, 71; orthotype *E. PUNCTATUS* Evermann & Radcliffe.

Xenoscarus Evermann & Radcliffe, 129; orthotype *X. DENTICULATUS* Evermann & Radcliffe.

2379. JORDAN (1917). *Notes on Glossamia and Related Genera of Cardinal Fishes*. Copeia, May 24, 1917, pp. 46, 47.

DAVID STARR JORDAN.

Nectamia Jordan, 46; orthotype *APOGON FUSCUS* Quoy & Gaimard.

Xystramia Jordan, 46; orthotype *GLOSSAMIA PANDIONIS* G. & B.

Zoramia Jordan, 46; orthotype *APOGON GRAEFFEI* Gthr.

2380. JORDAN (1917). *The Genera of Fishes, etc.* Stanford Univ. Publ., University Series, June 1, 1917.

DAVID STARR JORDAN.

Thrissocles Jordan, 151; orthotype *CLUPEA SETIROSTRIS* Broussonet. Substitute for *THRYSSEA* Cuv., preoccupied by *THRISSEA* Raf.

2381. JORDAN (1917). *Changes in names of American Fishes*. Copeia, Oct. 4, 1917.

DAVID STARR JORDAN.

Stenesthes Jordan, 87; orthotype *SPARUS CHRYSOPS* L. = *S. ARGYROPS* L. Replaces *STENOTOMUS* Gill, regarded as preoccupied by *STENOTOMA*.

Xantocles Jordan, 88 (Oct. 4, 1917); orthotype *ZANIOLEPIS FRENATUS* Eigenmann.

Thoburnia Jordan & Snyder, 88 (Oct. 4, 1917); orthotype *CATOSTOMUS RHOTHÆCUS* Thoburn.

2382. JORDAN & HUBBS (1917). *Notes on a Collection of Fishes from Port Said, Egypt*. Ann. Carneg. Mus., XI, 461-468.

DAVID STARR JORDAN; CARL LEAVITT HUBBS.

Glaucus (Klein) Jordan & Hubbs, 463; orthotype *SCOMBER GLAUCUS* L. Same as *CÆSIOMORUS* Lac. and *HYPODIS* Raf.

Dacymba Jordan & Hubbs, 464; orthotype *PRISTIPOMA BENNETTI* Lowe.

2383. NICHOLS & GRISCOM (1917). *Fresh-Water Fishes of the Congo Basin, obtained by the American Congo Expedition, 1909-1915*. Bull. Am. Mus. Nat. Hist., XXXVII.

JOHN TREADWELL NICHOLS; LUDLOW GRISCOM.

Microstomatichthyoborus Nichols & Griscom, 685; orthotype *M. BASHFORDDEANI* Nichols & Griscom. It is to be hoped that no one will attempt to break this record as to length of generic name.

Amarginops Nichols & Griscom, 713; orthotype *A. PLATUS* Nichols & Griscom.

Acanthocleithron Nichols & Griscom, 720; orthotype *A. CHAPINI* Nichols & Griscom.

Gnathobagrus Nichols & Griscom, 711; orthotype *G. DEPRESSUS* Nichols & Griscom.

2384. REGAN (1917). *A Revision of the Clupeoid Fishes of the Genus Pellonula and of Related Genera in the Rivers of Africa*. Ann. Mag. Nat. Hist., 1917, 198-207.

CHARLES TATE REGAN.

- Pœcilothrissa* Regan, 201; orthotype *P. CONGICA* Regan.
Potamothrissa Regan, 203; orthotype *PELLONULA OBTUSIROSTRIS* Boulenger.
Cynothrissa Regan, 203; orthotype *C. MENTO* Regan.
Stolothrissa Regan, 206; orthotype *S. TANGANICÆ* Regan.
Limnothrissa Regan, 207; orthotype *PELLONULA MICRODON* Boulenger.

2385. SEALE (1917). *New Species of Apodal Fishes*. Bull. Mus. Comp. Zool., LXI.

ALVIN SEALE.

- Garmannichthys* Seale, 80; orthotype *G. DENTATUS* Seale.

2386. SNYDER (1917). *The Fishes of the Lahontan System of Nevada and Northeastern California*. Bull. Bur. Fisheries Washington, XXXV (Sept. 28, 1917).

JOHN OTTERBEIN SNYDER.

- Leucidius* Snyder, 64; orthotype *L. PECTINIFER* Snyder.

- 2387-2388. TANAKA (1917). *Figures and Descriptions of the Fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, and Southern Sakhalin*. (Issued in many parts, 1915 to 1918.)

SHIGEHO TANAKA.

- Rosanthias* Tanaka, 198; orthotype *R. AMÆNUS* Tanaka. (In Japanese, July 15, 1917; English version, p. 503, Sept. 28, 1918.)

- Cyprinocirrhites* Tanaka, 368; orthotype *C. UI* Tanaka (Japanese, Sept. 15, 1917; English version, p. 507, Sept. 28, 1918).

1918.

2389. ANNANDALE (1918). *Fish and Fisheries of the Inlé Lake*. Rec. Ind. Mus., XIV, 33-64.

NELSON ANNANDALE.

- Chaudhuria* Annandale, 33-64; orthotype *C. CAUDATA* Annandale. (A *MASTACEMBELUS* without spines (*fide* Regan, note on *CHAUDHURIA*. Ann. Mag. Nat. Hist., 198, Feb., 1919.)

2390. EIGENMANN (1918). (*South American Fishes*). Proc. Am. Philos. Soc., LVI, Jan., 1918.

CARL H. EIGENMANN.

- Scleronema* Eigenmann, 691; orthotype *S. OPERCULATUM* Eigenmann.

- Branchoica* Eigenmann, 702; orthotype *B. BERTONII* Eigenmann.

2391. EIGENMANN (1918). *The Pygidiidæ, a Family of South American Catfishes*. Ann. Carneg. Mus., VII, Sept., 1918, 259-369.

CARL H. EIGENMANN.

- Urinophilus* Eigenmann, 359; logotype (indicated in Science, 1920, 441) *VANDELLIA SANGUINEA* Eigenmann.

2392. HUBBS (1918). *A Revision of the Viviparous Perches*. Proc. Biol. Soc. Washington, May 16, 1918.

CARL LEAVITT HUBBS.

Tocichthys Hubbs, 12; orthotype *HYPERPROSOPON AGASSIZI* Gill.

Amphigonopterus Hubbs, 13; orthotype *ABEONA AURORA* J. & G.

2393. HUBBS (1918). *Colpichthys, Thyrinops, and Austromenidia, New Genera of Atherinoid Fishes from the New World*. Proc. Ac. Nat. Sci. Phila. for 1917 (1918).

CARL LEAVITT HUBBS.

Colpichthys Hubbs, 305; orthotype *ATHERINOPS REGIS* Jenkins & Evermann.

Thyrynops Hubbs, 306; orthotype *ATHERINICHTHYS PACHYLEPIS* Gthr.

Austromenidia Hubbs, 307; orthotype *BASILICHTHYS REGILLUS* Abbott. Replaces *BASILICHTHYS* of Abbott, not of Girard.

2394. HUBBS (1918). *Supplementary Notes on Flounders from Japan, with Remarks on the Species of Hippoglossoides*. Ann. Zool Japonensis, IX, pt. 4, 1918, pp. 369-376.

CARL LEAVITT HUBBS.

Tanakius Hubbs, 370; orthotype *MICROSTOMUS KITAHARÆ* Jordan & Starks. (Not *TANAKIA* Jordan & Metz.)

2395. McCULLOCH & WAITE (1918). *Records of the South Australian Museum*. ALLAN RIVERSTON McCULLOCH; EDGAR RAVENSWOOD WAITE.

Helcogramma McCulloch & Waite, 51; orthotype *H. DECURRENS* McCulloch & Waite.

Trianectes McCulloch & Waite, 53; orthotype *T. BUCEPHALUS* McCulloch & Waite.

Echinophryne McCulloch & Waite, 86; orthotype *E. CRASSISPINA* McCulloch & Waite.

Trichophryne McCulloch & Waite, 68; orthotype *ANTENNARIUS MITCHELLI* Morton.

2396. OGILBY (1918). Ann. Queensland Mus., VI.

JAMES DOUGLAS OGILBY.

Acanthagonia Ogilby, 45; orthotype *A. POWERI* Ogilby.

2397. RIBEIRO (1918). *Historia Natural. Zoologia: Cichlidæ*. Comm. Linhas Ieleg. de Matto Grosso ao Amazonas.

ALIPIO DE MIRANDA RIBEIRO.

Nannacara Ribeiro, 14; orthotype *ACARA DORSIGERA* Heckel.

Pseudopercis Ribeiro, 184; orthotype *P. NUMIDA* Ribeiro.

2398. RIBEIRO (1918). *Dezesetes especies de peixes Brasileiros*. Museu Paulista. ALIPIO DE MIRANDA RIBEIRO.

Pleurophysus Ribeiro, 8; orthotype *P. HYDROSTATICUS* Ribeiro.

Tannayia Ribeiro, 14; orthotype *T. MARGINATA* Ribeiro.

Ceratocheilus Ribeiro, 16; orthotype *C. OSTEOMYSTAX* Ribeiro.

2399. RIBEIRO (1918). *Commerc. Geogr. Geol. Soc. Saõ Paulo*.

ALIPIO DE MIRANDA RIBEIRO.

Typhlobagrus Ribeiro, 3; orthotype *T. KRONEI* Ribeiro.

2400. RIBEIRO (1918). *Lista dos peixes Brasileiros do Museu Paulista*.

ALIPIO DE MIRANDA RIBEIRO.

Paragonus Ribeiro, 3; orthotype *P. SERTORII* Ribeiro. Name twice preoccupied: Gill, Guichenot; replaced by *RIBEIROA* Jordan, new name, given in honor of the excellent Brazilian naturalist who made this form known.

Gymnogeophagus Ribeiro, 6; orthotype *G. CYANOPTERUS* Ribeiro.

Decapogon Ribeiro; orthotype *D. UROSTRIATUM* Ribeiro.

2401. RIBEIRO (1918). *Dous generos e tres especies novas de peixes Brasileiros*, . . . Museu Paulista.

ALIPIO DE MIRANDA RIBEIRO.

Homodietus (Ihering) Ribeiro, 23; orthotype *H. PAULENSIS* Rudolph. Same as *PSEUDOSTEGOPHILUS* Ihering, on page 22 of the same paper.

Scleromystax Ribeiro; orthotype *S. KRONEI* Ribeiro, not of Ogilby.

2402. TANAKA (1918). *Nihon San Gyorui—No Juisshu Shin (Eleven New Species of Japanese Fishes)*. Journ. Zool. Studies, Imperial University, Tokyo, XXXIX, No. 13. (In Japanese only.)

SHIGEHO TANAKA.

Vegetichthys Tanaka, 7; orthotype *V. TUMIDUS* Tanaka. (LUTIANIDÆ.)

Sebastella Tanaka, 10; orthotype *S. LITTORALIS* Tanaka (SCORPÆNIDÆ).

2403. TANAKA (1918). *Nihon San Gyorui—No Roku Shin (Six New Species of Japanese Fishes)*. Journ. Zool. Studies, Imperial University, Tokyo, XXIX, No. 345. (In Japanese only.)

SHIGEHO TANAKA.

Mustelichthys Tanaka, 301; orthotype *M. UI* Tanaka (SERRANIDÆ).

2404. TANAKA (1918). *Figures and Descriptions of the Fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea and Southern Sakhalin*. (In English as well as in Japanese.)

SHIGEHO TANAKA.

Selenanthias Tanaka, 516; orthotype *S. ANALIS* Tanaka (Dec. 28, 1918).

Leptanthias Tanaka, 525; orthotype *L. KASHIWÆ* Tanaka (Dec. 28, 1918).

2405. WOODWARD (1918). *The Fossil Fishes of the English Wealden and Purbeck Formations, Part 2*. Palæontological Society, February, 1918.

ARTHUR SMITH WOODWARD.

Eomesodon Woodward, 56; orthotype *MESODON BARNESI* Woodw. (fossil).

Enchelyolepis Woodward, 80; orthotype *MACROSEMIUS ANDREWSI* Woodw. (Fossil).

2406. WOODWARD (1918). *On Two New Elasmobranchs . . . from the Upper Jurassic Lithographic Stone of Bavaria*. Proc. Zool. Soc. London, 231-235, June 11, 1918.

ARTHUR SMITH WOODWARD.

Protospinax Woodward, 233; orthotype *P. ANNECTANS* Woodw.

1919.

2407. COCKERELL (1919). *Some American Cretaceous Fish Scales, with Notes on the Classification and Distribution of Cretaceous Fishes*. Bull. U. S. Geol. Surv. for 1918.

THEODORE DRU ALLISON COCKERELL.

Helmintholepis Cockerell, 176; orthotype *H. VERMICULATUS* Cockerell (fossil ELOPIDÆ).

Chicolepis Cockerell, 176; orthotype *C. PUNCTATUS* Cockerell (fossil PTEROTHRISSIDÆ).

Leucichthyops Cockerell, 180; orthotype *L. VAGANS* Cockerell (fossil SALMONIDÆ).
Erythrinolepis Cockerell, 182; orthotype *E. MOWRIENSIS* Cockerell (fossil ERYTHRINOLEPIDÆ).

Halecodon Cockerell, 183; orthotype *H. DENTICULATUS* Cockerell (fossil ENCHODONTIDÆ).

Gonorhynchops Cockerell, 183; orthotype *G. WOODWARDI* Cockerell (fossil GONORHYNCHIDÆ: English Chalk).

Centrarchites Cockerell, 188; orthotype *C. COLORADENSIS* Cockerell (fossil EUCENTRARCHIDÆ: basal Eocene).

Benthosphyræna Cockerell, 172; orthotype *ALEPOCEPHALUS MACROPTERUS* Vaillant. This name, noted in passing by Cockerell, was found by him on specimens in the United States National Museum. It was doubtless a manuscript name of Goode & Bean, never published by them, or possibly of Gill. As the genus seems to be valid, the name is accepted by Cockerell and may date from his reference to it, which reads as follows: "BENTHOSPHYRÆNA MACROPTERA, also referred to the ALEPOCEPHALIDÆ, has small round scales wholly unlike those of ALEPOCEPHALUS." That BENTHOSPHYRÆNA was an unpublished name was not known to Cockerell when he examined the scales of its type species.

2408. EIGENMANN (1919). *Trogloglanis pattersoni*, a New Blind Fish from San Antonio, Texas. Proc. Am. Philos. Soc., LVIII, 397-400.

CARL H. EIGENMANN.

Trogloglanis Eigenmann, 397; orthotype *T. PATTERSONI* Eigenmann (a blind cave representative of the genus RABIDA).

2409. EIGENMANN & EIGENMANN (1919). *Steindachneridion*. Science, November, 1919.

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Steindachneridion Eigenmann & Eigenmann; logotype *STEINDACHNERIA AMBLYURA* Eigenmann & Eigenmann (SILURIDÆ). Substitute for *STEINDACHNERIA* Eigenmann & Eigenmann, 1888, preoccupied in MACROURIDÆ.

2410. HUSSAKOF & BRYANT (1919). *Catalog of the Fossil Fishes in the Museum of the Buffalo Society of Natural Sciences*. Bull. Buffalo Soc. Nat. Sci., Vol. XII.

LOUIS HUSSAKOF; WILLIAM L. BRYANT.

Perissognathus Hussakof & Bryant, 81; orthotype *P. ADUNCUS* (based on a mandible) (fossil ARTHRODIRA, Upper Devonian, New York).

Machærognathus Hussakof & Bryant, 83; orthotype *M. WOODWARDI* (fossil mandible ARTHRODIRA, Upper Devonian, New York).

Copanognathus Hussakof & Bryant, 84; orthotype *C. CRASSUS* (fossil mandible ARTHRODIRA, Upper Devonian, New York).

Deinodus Hussakof & Bryant, 123; orthotype *D. BENNETTI* (fossil dental plate PTYCTODONTIDÆ, Upper Devonian, New York).

Acmoniodus Hussakof & Bryant, 151; orthotype *A. CLARKEI* (fossil dental plate ELASMOBRANCHI, Upper Devonian, New York).

Atopacanthus Hussakof & Bryant, 157; orthotype *A. DENTATUS* (fossil spine ICHTHYODORULITES, Upper Devonian, New York).

2411. JORDAN (1919). *On Certain Genera of Atherine Fishes*. Proc. U. S. Nat. Mus., LV, 309-311.

DAVID STARR JORDAN.

Hubbesia Jordan, 310; orthotype *MENIDIA GILBERTI* Jordan & Bollman.

2412. JORDAN (1919). *Note on Gistel's Genera of Fishes*. Proc. Ac. Nat. Sci. Phila., April 10, 1919, pp. 335-340.

DAVID STARR JORDAN.

Urocles Jordan, 338, 343; orthotype *M. LEPIDOTUS* Ag. (fossil). Substitute for *MEGALURUS* Ag. and *SYNERGUS* Gistel, both names being preoccupied.

2413. JORDAN (1919). *New Genera of Fishes*. Proc. Ac. Nat. Sci. Phila., April 10, 1919, pp. 341-344.

DAVID STARR JORDAN.

Aoria Jordan, 341; orthotype *BAGRUS LAMARII* Cuv. & Val. Substitute for *MACRONES* Duméril, preoccupied (Newman, 1841, a genus of Beetles).

Azurella Jordan, 341; orthotype *POMACENTRUS BAIRDI* Gill.

Cotylichthys Jordan, 341; orthotype *COTYLIS FIMBRIATA* M. & T. Same as *COTYLIS* Gthr., not of Müller & Troschel, whose original type is a species of *GOBIESOX* Lac.

Extrarius Jordan, 341; orthotype *HYBOPSIS TETRANEMUS* Gilbert.

Eperlanio Jordan, 341; orthotype *OSMERUS ALBATROSSIS* J. & G.

Erythrocles Jordan, 341; orthotype *ERYTHRICHTHYS SCHLEGELI* Blkr. Substitute for *ERYTHRICHTHYS* T. & S., preoccupied by *ERYTHRICHTHYS* Bon.

Nautopædium Jordan, 342; orthotype *PORICHTHYS PLECTRODON* J. & G. = *BATRACHUS POROSISSIMUS* Cuv. & Val.

*Irillion** Jordan, 342; orthotype *COREGONUS OREGONIUS* Jordan & Snyder.

Oshimia Jordan, 342; orthotype *MICRACANTHUS MARCHEI* Sauvage. Name a substitute for *MICRACANTHUS* Sauvage, 1878, preoccupied by *MICROCANTHUS* Sw. Named for Masamitsu Oshima, of the Bureau of Scientific Research of Formosa.

Rheocles Jordan & Hubbs, 343; orthotype *ELEOTRIS SIKORÆ* Sauvage.

Syletor Jordan, 343; orthotype *PISODONOPHIS CRUENTIFER* G. & B.

Unagius Jordan, 343; orthotype *CRYPTOPHTHALMUS ROBUSTUS* Franz. Substitute for *CRYPTOPHTHALMUS* Franz, preoccupied.

Verater Jordan, 343; orthotype *OLIGOPUS ATER* Risso. Substitute for *PTERIDIUM* Filippi & Verany, preoccupied by *PTERIDIUM* Scopoli.

Pnictes Jordan, 343; orthotype *ACHIOPSIS ASPHYXIATUS* Jordan & Goss. This genus differs from all other soles in having the gill opening on the right side completely closed.

Errex Jordan, 343; orthotype *GLYPTOCEPHALUS ZACHIRUS* Lockington.

Ainia Jordan, 344; orthotype *CALLOPTERUS AGASSIZI* Thiollière (fossil). Name a substitute for *CALLOPTERUS*, preoccupied in beetles; name from the locality Ain, in France.

Raiamas Jordan; orthotype *CYPRINUS BOLA* Ham. "Rajah Mas" of the anglers in India. Replaces *BOLA* Gthr., preoccupied.

Tarsistes Jordan, 344; orthotype *RHYNCHOBATIS* Philippi, 1858. No specific name. Generic name preoccupied as *RHYNCHOBATUS*. Species named *TARSISTES PHILIPPII* Jordan.

Vigil Jordan, 344; orthotype *PLEUROLEPIS PELLUCIDUS* Ag. A substitute for *PLEUROLEPIS* Ag., preoccupied in fossil fishes.

Orqueta Jordan, 344; orthotype *MICROPTERYX (MICROPUS) POLYCENTRUS* Kner. A substitute for *MICROPUS* Kner, four times preoccupied.

* "The merry wild Irillion rejoicing from fields of snow" (Dunsaney).

2414. JORDAN (1919). *Fossil Fishes of Southern California, I. Fossil Fishes of the Soledad Deposits* . . . pp. 1-12. Leland Stanford Junior University Publications, University Series, September 18, 1919.

DAVID STARR JORDAN.

- Ganolytes** Jordan, 6; orthotype *G. CAMEO* Jordan (fossil).
Rogenites Jordan, 8; orthotype *ROGENIO BOWERSI* Jordan (fossil).
Rhomurus Jordan, 9; orthotype *R. FULCRATUS* Jordan (fossil).
Auxides Jordan, 10; orthotype *THYNNUS PROPTERYGIUS* Ag. (fossil).
Bulbiceps Jordan, 12; orthotype *B. RANINUS* Jordan (fossil).
Eoperca Jordan, 12; orthotype *MIOPLONUS MULTIDENTATUS* Cope (fossil). An Eocene ally of *PERCA*, differing from *MIOPLONUS* in the presence of 12 dorsal spines and in the stronger and more numerous retrorse serrations of the preopercle.

2415. JORDAN (1919). *Description of a New Fossil Fish from Japan*. Proc. Cal. Ac. Sci, IX, 271-272. October 22, 1919.

DAVID STARR JORDAN.

- Iquius** Jordan, 271; orthotype *I. NIPPONICUS* Jordan (fossil CLUPEID).

2416. JORDAN (1919). *The Genera of Fishes, Part III*. Leland Stanford Junior University Publications, University Series, October 25, 1919.

DAVID STARR JORDAN.

- Laides** Jordan, 293; orthotype *PANGASIUS HEXANEMA* Blkr. Substitute for *LAIS* Blkr., 1860, preoccupied by *LAIS* Gistel, VIII, 1849, a tunicate, this being a substitute name for *CYNTHIA*, preoccupied.

2417. JORDAN (1919). *On Elephenor, a New Genus of Fishes from Japan*. Ann. Carneg. Museum, XII, December 16, 1919, pp. 329-343.

DAVID STARR JORDAN.

- Elephenor** Jordan, 328; orthotype *PTERACLIS MACROPUS* Bellotti.

2418. JORDAN & GILBERT (J. Z.) (1919). *Fossil Fishes of Southern California, II. Fossil Fishes of the (Miocene) Monterey Formations of Southern California*. Leland Stanford Junior University Publications, University Series, September 18, 1919, pp. 13-60.

DAVID STARR JORDAN; JAMES ZACCHEUS GILBERT.

- Xyne** Jordan & Gilbert (J. Z.), 25; orthotype *X. GREX* J. & G. (fossil CLUPEIDÆ).
Ellimmichthys Jordan, 27; orthotype *DIPLOMYSTES LONGICOSTATUS* Cope (fossil CLUPEID, Eocene, Brazil).
Alisea Jordan & Gilbert (J. Z.), 26; orthotype *A. GRANDIS* J. & G. (fossil CLUPEID).
Smithites Jordan & Gilbert (J. Z.), 30; orthotype *S. ELEGANS* J. & G. (fossil DUS-SUMIERIID).
Quæsita Jordan & Gilbert (J. Z.), 30; orthotype *Q. QUISQUILIA* J. & G. (fossil DUS-SUMIERIID).
Azalois Jordan & Gilbert (J. Z.), 32; orthotype *A. ANGELENSIS* J. & G. (fossil DUS-SUMIERIID).
Lygisma Jordan & Gilbert (J. Z.), 33; orthotype *L. TENAX* J. & G. (fossil DUS-SUMIERIID).
Forfex Jordan, 36; orthotype *F. HYPURALIS* Jordan (fossil SCOMBERESOCID).
Zanteclites Jordan & Gilbert (J. Z.), 39; orthotype *Z. HUBBSI* J. & G. (fossil ATHERINID).

- Eritima** Jordan & Gilbert (J. Z.), 40; orthotype *E. EVIDES* J. & G. (fossil APOGONID).
- Tunita** Jordan & Gilbert (J. Z.), 42; orthotype *T. OCTAVIA* J. & G. (fossil mackerel).
- Ozymandias** Jordan, 43; orthotype *O. GILBERTI* Jordan (fossil of unknown family, probably SCOMBRID).
- Lophar** Jordan & Gilbert (J. Z.), 44; orthotype *L. MIOCÆNUS* J. & G. (fossil POMATOMID).
- Eclipes** Jordan & Gilbert (J. Z.), 47; orthotype *E. VETERNUS* J. & G. (fossil MERLUCIID). Same as *MERRIAMINA* Jordan & J. Z. Gilbert.
- Lompoquia** Jordan & Gilbert (J. Z.), 49; orthotype *L. RETROPES* J. & G. (fossil SCIÆNOID).
- Xyrinius** Jordan & Gilbert (J. Z.), 50; orthotype *X. HOUSHI* J. & G. (fossil CLUPEID, mistaken for a LABROID).
- Sebastavus** Jordan & Gilbert (J. Z.), 50; orthotype *S. VERTEBRALIS* J. & G. (fossil SCORPÆNOID).
- Rhomarchus** Jordan & Gilbert (J. Z.), 51; orthotype *R. ENSIGER* J. & G. (fossil SCORPÆNOID).
- Eoscorpius** Jordan & Gilbert (J. Z.), 53; orthotype *E. PRIMÆVUS* J. & G. (fossil of uncertain relation, probably COTTOID).
- Hayia** Jordan & Gilbert (J. Z.), 55; orthotype *H. DAULICA* J. & G. (fossil of uncertain relations, probably COTTOID).
- Merriamina** Jordan & Gilbert (J. Z.), 56; orthotype *M. ECTENES* J. & G. (fossil MERLUCIID). A synonym of *ECLIPES* Jordan & J. Z. Gilbert.
- Diatomœca** Jordan & Gilbert (J. Z.), 58; orthotype *D. ZATIMA* Jordan & Gilbert (fossil closely allied to LAMPRIS).
- Emmachære** Jordan & Gilbert (J. Z.), 59; orthotype *E. RHACHITES* J. & G. (fossil SERRANID).
2419. JORDAN & GILBERT (J. Z.), (1919). *Fossil Fishes of Southern California, III. Fossil Fishes of the Pliocene Formations* . . . Leland Stanford Junior University Publ., University Series, Sept. 18, 1919, pp. 61-64.
DAVID STARR JORDAN; JAMES ZACCHEUS GILBERT.
- Ectasis** Jordan & Gilbert (J. Z.), 62; orthotype *E. PRORIGER* J. & G. (fossil, perhaps ELOPID).
- Arnoldina** Jordan & Gilbert (J. Z.), 63; orthotype *A. INIISTIA* J. & G. (fossil GADOID).
2420. JORDAN & HUBBS (1919). *Studies in Ichthyology: A Monographic Review of the Family of Atherinidæ or Silversides*. Leland Stanford Junior University Publications, Dec. 18, 1919.
DAVID STARR JORDAN; CARL LEAVITT HUBBS.
- Archomenidia** Jordan & Hubbs, 54; type *ATHERINICHTHYS SALLEI* Regan.
2421. OGILBY (1919). (*Tropidocaulus*.)
JAMES DOUGLAS OGILBY.
- Tropidocaulus** Ogilby; orthotype *BELONE PLATYURA* Cuv. & Val. Substitute for *EURYCAULUS* Ogilby, preoccupied.
2422. NICHOLS (1919). *Um novo genero do Cascudos do familia Loricariidæ (with English translation)*. Revista do Mus. Paulista, XI.
JOHN TREADWELL NICHOLS.
- Pseudotocinclus** Nichols, 9; orthotype *P. INTERMEDIUS* Nichols.

2423. OSHIMA (1919). *Contributions to the Study of the Fresh-Water Fishes of the Island of Formosa*. Ann. Carneg. Museum, Pittsburgh, XII, Dec. 16, 1919, pp. 169-328.

MASAMITSU OSHIMA (1884-).

- Formosania** Oshima, 194; orthotype *F. GILBERTI* Oshima.
Acrossochilus Oshima, 206; orthotype *GYMNOSTOMUS FORMOSANUS* Regan.
Scaphesthes Oshima, 208; orthotype *S. TAMUSIUENSIS* Oshima.
Spinibarbus Oshima, 217; orthotype *S. HOLLANDI* Oshima.
Phoxiscus Oshima, 225; orthotype *P. KIKUCHII* Oshima.
Aristichthys Oshima, 246; orthotype *LEUCISCUS NOBILIS* (Gray), Richardson.
Cultrculus Oshima, 252; orthotype *CULTER LEUCISCULUS* Kner, not Richardson; = *HEMICULTER KNERI* Kreyenberg.

2424. TANAKA (1919). *Figures and Descriptions of the Fishes of Japan, including Riukiu Islands, Bonin Islands, Formosa, Kurile Islands, Korea and Southern Sakhalin*. XXIX.

SHIGEHO TANAKA.

- Selenanthias** Tanaka, 516; orthotype *S. ANALIS* Tanaka.
Leptanthias Tanaka, 525; orthotype *L. KASHIWÆ* Tanaka.

1920.

2425. COCKERELL (1920). (*Characilepis*). Proc. U. S. Nat. Mus., 1920 (in press).

THEODORE DRU ALLISON COCKERELL.

- Characilepis** Cockerell; orthotype *C. TRIPARTITUS* Cockerell (fossil scales, Miocene of Peru).

2426. GILBERT & HUBBS (1920). *The Macrouroid Fishes of the Philippine Islands and the East Indies*. Bull. U. S. Bureau of Fisheries, 1919 (in press; not yet published).

CHARLES HENRY GILBERT; CARL LEAVITT HUBBS.

- Quincuncia** Gilbert & Hubbs; orthotype *CÆLORHYNCHUS ARGENTATUS* Smith & Radcliffe.

- Oxygadus** Gilbert & Hubbs; orthotype *MACRURUS PARALLELUS* Gthr.

- Hymenogadus** Gilbert & Hubbs; orthotype *HYMENOCEPHALUS GRACILIS* Hubbs.

- Papyrocephalus** Gilbert & Hubbs; orthotype *HYMENOCEPHALUS ATERRIMUS* Gilbert.

- Ventrifossa** Gilbert & Hubbs; orthotype *CORYPHÆNOIDES GARMANI* J. & G. (Japan).

- Atherodon** Gilbert & Hubbs; orthotype *OPTONURUS ATHERODON* Gilbert & Cramer.

- Lucigadella** Gilbert & Hubbs; orthotype *MACROURUS NIGROMARGINATUS* Smith & Radcliffe.

- Lucigadus** Gilbert & Hubbs; orthotype *MACROURUS LUCIFER* Smith & Radcliffe.

- Hyostomus** Gilbert & Hubbs; orthotype *MACROURUS HYOSTOMUS* Smith & Radcliffe.

2427. JORDAN (1920). *New Genera of Fossil Fishes from Brazil*. Proc. Acad. Nat. Sci. Phila. for 1919 (March 11, 1920), pp. 208-210.

DAVID STARR JORDAN.

- Ennelichthys** Jordan, 208; orthotype *E. DERBYI* Jordan (fossil).

- Brannerion** Jordan, 209; orthotype *CALAMOPLEURUS VESTITUS* Jordan & Branner (fossil),

- Vinctifer** Jordan, 210; orthotype *BELONOSTOMUS COMPTONI* Ag. (fossil).

2428. JORDAN (1920). *The Genera of Fishes, part IV.*

DAVID STARR JORDAN.

Greeleya Jordan, 493; orthotype EXIMIA RUBELLIO Greeley. Substitute for EXIMIA Greeley, preoccupied.

Ribeiroa Jordan, 564; orthotype PARAGONUS SERTORII Ribeiro; substitute for PARAGONUS Ribeiro, preoccupied.

Quisque Jordan, 571; orthotype Q. GILBERTI Jordan (a small herring from the Miocene of Elmodena, California, with very strong serræ on the belly, and the back also armed; body compressed; vertebræ, 32).

Ganoëssus Jordan, 571; orthotype GANOLYTES CLEPSYDRA J. & G. (fossil). A large herring, with enameled scales and hour-glass shaped vertebræ, differing from GANOLYTES in the much thinner scales. Vertebræ, 42.

Scomberessus Jordan, 571; orthotype SCOMBERESOX ACUTILLUS J. & G. (fossil). Differs from the living genus SCOMBERESOX in the much larger dorsal, of 16 rays.

Aristoscion Jordan, 571; orthotype A. EMPREPES Jordan. (A robust fossil SCIÆNOID, from the Miocene at Lompoc, allied to CYNOSCIION, but the anal rays more numerous, 1.15 in number, the dorsal rays about XII — 1.20, and the caudal fin very large. Vertebræ 14 + 10 or 11.)

Beltion Jordan, 571; orthotype B. PERONIDES Jordan (fossil). (BELONIDÆ, distinguished from BELONE by needle-like jaws, moderate, even teeth, and larger scales; Miocene, Lompoc, California.)

Sebastoëssus Jordan, 571; orthotype S. APOSTATES Jordan (fossil). SCORPÆNIDÆ, near SEBASTODES, but the interneurals all slender and not dilated; fin spines moderate, the second anal spine not enlarged; vertebræ, 24; Miocene, Lompoc, California.

Sebastinus Jordan, 571; orthotype RIXATOR INEZIÆ J. & G. (fossil). Miocene SCORPÆNIDÆ; allied to SEBASTODES Gill, but with undilated interneural spines, and the second anal spine very elongate.

2429. JORDAN & GILBERT (1920). *The Fossil Fishes of the Diatom Beds of Lompoc, California.* Leland Stanford Junior University Publications, February, 1920.

DAVID STARR JORDAN; JAMES ZACCHEUS GILBERT.

Turio Jordan & Gilbert, 15; orthotype T. WILBURI J. & G. (fossil SCOMBRID).

Thyrsoles Jordan & Gilbert, 14, 19; orthotype THYRSITES KRIEGERI J. & G. (fossil SCOMBRID).

ThyrSION Jordan, 17; orthotype T. VELOX Jordan (fossil SCOMBRID). A synonym of THYRSOCLES J. & G.

Zaphleges Jordan, 23; orthotype Z. LONGURIO Jordan (fossil SCOMBRID).

Ocystias Jordan, 18; orthotype O. SAGITTA Jordan (fossil SCOMBRID).

Zelosis Jordan & Gilbert, 24; orthotype CLUPEA HADLEYI J. & G. (fossil, perhaps ALEPOCEPHALID).

Aræosteus Jordan & Gilbert, 25; orthotype A. ROTHII J. & G. (fossil, apparently ZAPRORID).

Rhythmias Jordan & Gilbert, 27; orthotype R. STARRII J. & G. (fossil SPARID).

Plectrites Jordan, 28; orthotype P. CLASSENI Jordan (fossil SPARID).

Lompochites Jordan, 29; orthotype L. HOPKINSI Jordan (fossil, apparently CARANGOID).

Rixator Jordan & Gilbert, 31; orthotype R. PORTEOUSI J. & G. (fossil SCORPÆNID).

Zororhombus Jordan, 39; orthotype Z. VELIGER Jordan (fossil PLEURONECTID).

Atkinsonella Jordan, 41; orthotype *A. STRIGILIS* Jordan (fossil of uncertain relationship, apparently SPARID).

2431. OSHIMA (1920). *Notes on Fresh-Water Fishes of Formosa, with Descriptions of New Genera and Species.* Proc. Ac. Nat. Sci. Phila., 1920 (July 6).

MASAMITSU OSHIMA.

Lissocheilichthys Oshima, 124; orthotype *L. MATSUDAI* Oshima.

Scaphiodontella Oshima, 125; orthotype *S. ALTICORPUS* Oshima.

Leucisculus Oshima, 128; orthotype *L. FUSCUS* Oshima.

Rasborinus Oshima, 130; orthotype *R. TAKAKAI* Oshima.

2432. REGAN (1920). *The Classification of the Fishes of the Family Cichlidae, I. The Tanganyika Genera.* Ann. Mag. Nat. Hist., V; January 1920.

CHARLES TATE REGAN.

Tylochromis Regan, 37; orthotype *PELMATOCHROMIS JENTINKI* Steind.

Heterotilapia Regan, 38; orthotype *TILAPIA BUETTIKOFERI* Boulenger.

Neotilapia Regan, 38; orthotype *CHROMIS TANGANICÆ* Gthr.

Otopharynx Regan, 38; orthotype *TILAPIA AUROMARGINATA* Boulenger.

Limnotilapia Regan, 39; orthotype *TILAPIA DARDENNII* Boulenger.

Cyathopharynx Regan, 42; orthotype *TILAPIA GRANDOCULIS* Boulenger.

Limnochromis Regan, 43; orthotype *PELMATOCHROMIS AURITUS* Boulenger.

Cyphotilapia Regan, 43; orthotype *PELMATOCHROMIS FRONTOSUS* Boulenger.

Lipochromis Regan, 45; orthotype *PELMATOCHROMIS OBESUS* Boulenger.

Neochromis Regan, 45; orthotype *TILAPIA SIMOTES* Boulenger.

Cnestrostoma Regan, 45; orthotype *PARATILAPIA POLYODON* Boulenger.

Mylochromis Regan, 45; orthotype *TILAPIA LATERISTRIGA* Gthr.

Sargochromis Regan, 45; orthotype *PARATILAPIA CODRINGTONI* Boulenger.

Labrochromis Regan, 45; orthotype *TILAPIA PALLIDA* Boulenger.

Serranochromis Regan, 45; orthotype *CHROMYS THUNBERGI* Castelnau.

Clinodon Regan, 45; orthotype *HEMITILAPIA BAYONI* Boulenger.

Callochromis Regan, 46; orthotype *PELMATOCHROMIS MACROPS* Boulenger.

Leptochromis Regan, 47; orthotype *PARATILAPIA CALLIURA* Boulenger.

Aulonocranus Regan, 47; orthotype *PARATILAPIA DEWINDTI* Boulenger.

Hemibates Regan, 49; orthotype *PARATILAPIA STENOSOMA* Boulenger.

2433. NICHOLS (1920). *A Contribution to the Ichthyology of Bermuda.* Proc. Biol. Soc. Wash., XXXIII, July 24, 1920, 59-64.

JOHN TREADWELL NICHOLS.

Bermudichthys Nichols, 62; orthotype *B. SUBFURCATUS* Nichols.

ADDITIONS AND CORRECTIONS

1817.

91. CUVIER (1817). *Règne Animal*. Ed. 1.

Myliobatis (Duméril) Cuvier, 137; logotype RAJA AQUILA L. As originally proposed MYLIOBATUS Duméril contained the same species as AËTOBATUS of Blainville (1916). A different type was assigned to the two by Müller & Henle (1838), who adopted both names, assigning an unwonted type to Blainville's genus. In strictness, MYLIOBATUS should be regarded as a synonym of AËTOBATUS and with RAJA AQUILA as the type of both, while RAJA NARINARI should stand as STOASODON Cantor.

1819.

103. RAFINESQUE (1819). *Prodrome*, etc.

Lepomis. The names LEPIDOPOMUS and LEPIOPOMUS have been produced by puristic emendations of this word. Other revisions of Rafinesque's "telescoped" Greek terms were proposed in 1878, as MYXOSTOMA for MOXOSTOMA, HOPLADELUS for OPLADELUS, ICHTHÆLURUS for ICTALURUS, ICHTHYOBUS for ICTIOBUS, PELODICHTHYS for PILODICTIS, etc.

1829.

136B. BANCROFT (1829). *Sea Devil*, etc.

Manta Bancroft, 444; orthotype M. AMERICANA Bancroft = RAIA BIROSTRIS Walbaum.

1831.

146A. CUVIER & VALENCIENNES (1831). *Histoire Naturelle des Poissons*, VIII.

Pelamys Cuvier & Valenciennes, 149; orthotype SCOMBER SARDA L. A synonym of SARDA Cuv.

Scorpiis Cuvier & Valenciennes, 503; orthotype S. GEORGIANUS Cuv. & Val.

1837.

217A. MÜLLER & HENLE (1837). *Ueber die Gattungen der Plagiostomen*. Arch. Naturg., III.

JOHANNES MÜLLER; FREDERICH GUSTAV JAKOB HENLE.

Mr. A. R. McCulloch calls my attention to this paper, overlooked by me, in which the names GALEOCERDO, RHYNCHOBATUS, PRISTIOPHORUS, STEGOSTOMA appear.

The name TRYGNORRHINA was first used by Müller & Henle (Mag. Nat. Hist. 2, II, 90) and spelled with the double "r" as above.

Galeocerdo Müller & Henle, 308; orthotype G. ARCTICUS M. & H., not G. TIGRINUS as later given. See p. 192, Genera of Fishes, II.

Page 190, No. 217. The name GYMNURA appears not in the paper quoted, the date of which should be 1838, but in 217A, p. 400.

1838.

217A. MÜLLER & HENLE (1838). Mr. McCulloch informs me that a second article by Müller & Henle, dated Dec. 12, 1837, printed January, 1838, bearing the same title as No. 217 of our series, contains three additional genera:

Pristiurus Müller & Henle, 34; orthotype GALEUS MELASTOMUS Raf. This antedates Bonaparte's use of the same term (1841).

Leptocharias Müller & Henle, 36; orthotype TRIÆNODON SMITHI Gray.

Carcharodon Müller & Henle, 37; orthotype *C. RONDELETI* M. & H. = *SQUALUS CARCHARIAS* L. According to McCulloch, the name *CARCHARODON* is not used by Smith. The earliest reference to *CARCHARODON* is apparently that of Müller & Henle (*Mag. Nat. Hist.* 2, II, 1838, 37, January). Those authors saw Smith's specimens (*vide* p. 33) and perhaps heard his paper read at the Zoological Society in September, 1837. They therefore quoted the name as of Smith. But Smith's paper was not published until February 13, 1838, he having read Müller & Henle's paper "about a month previously, in which *CARCHARODON* appeared, and he evidently withdrew it with names he refers to in his paper" (McCulloch, *in lit.*, June 28, 1920).

1844.

316. McCLELLAND (1844). *Apodal Fishes*.

Strophidon McClelland, 187; logotype *MURÆNA SATHETE* Ham.

1846.

349A. COCCO (1846). *Phanerobranchus*. *Georn. Gab. Lett. Messina Ann.*, V, VIII, 63-64.

ANASTASIO COCCO.

Phanerobranchus Cocco, 63; orthotype *P. KROHNII* Cocco, an undetermined larva; name preoccupied.

1849.

417. SMITH (1849). *Zoology of South Africa*.

Tilapia Smith, pl. 5; haplotype *T. SPARRMANNI* Smith. (Not *CHROMIS NILOTICA* as stated by error on page 244.) The last-named species is referred by Regan to *SAROTHERODON*.

1854.

No. 495, p. 256, should read:

495. BRANDT & LOWE (1854). *Description d'un nouveau genre de poisson de la famille des Murénoides*. *Mém. Sav. Étrang. St. Petersburg*, VII, 169-176.

JOHANN FRIEDRICH BRANDT; RICHARD THOMAS LOWE.

Belonopsis Brandt & Lowe, 174, etc.

1855.

533. COSTA ("1855") should be omitted and transferred to 850 (1864), the proper title being as follows:

533A. COSTA (1855). (*Cyrtorhynchus*.) *Cos. Rendic. dell Accad. Pontaniana*, 1855.

ORONZIO GABRIELE COSTA.

Cyrtorhynchus Costa; orthotype *C. LEOPOLDI* Costa, said to be a *MYCTOPHID*, of uncertain relations; figured by Costa, *Fauna del regno di Napoli*.

1858.

607-612. COSTA (1858). (*Uraleptus*.) This reference should be canceled, according to Mr. Henn. The genus *URALEPTUS* Costa should appear under No. 350, *Fauna del regno di Napoli* (1846, p. 30). *GADELLA* Lowe (1843) is still earlier.

612. COSTA (1858). *Luspiæ Casotti, nuovo genere di pesci fossili della calcarea tenera leccese, Napoli*.

ORONZIO GABRIELE COSTA.

Luspiæ Costa; orthotype *L. CASOTTI* Costa (fossil). An ally of *SERRANUS* Cuv.

1861.

740. GÜNTHER (1861). *Catalogue of Fishes, III.*
Cyttus Günther, 396; orthotype *CAPROS AUSTRALIS* Rich.

1862.

782. GILL (1862). The genera *LEPIDOPSETTA* and *HYP SOPSETTA* date from this paper, page 330, not from 1864.
788. GÜNTHER (1862). *Catalogue, IV.*
Atypichthys, 510; orthotype *ATYPUS STRIGATUS* Gthr.; substitute for *ATYPUS* Gthr., preoccupied.
792. *ESTHERIA* Jones (1862) should be omitted, as *ESTHERIA MIDDENDORFI* is not a fish but an Entomostracan, according to A. W. Henn. The name is twice preoccupied.

1863.

- 830A. JOHNSON (1863). *Description of Five New Species of Fish Obtained at Madeira.* Proc. Zool. Soc. London, 36-44.

JAMES YATES JOHNSON

- Neoscopelus* Johnson, 44; orthotype *N. MACROLEPIDOTUS* Johnson.

1864.

850. COSTA (1864). *Paleontologia del regno di Napoli, III.* Atti. Accad. Pontan. Napoli, VIII.

ORONZIO GABRIELE COSTA.

- Cæus* Costa, 65; orthotype *C. LEOPOLDI* Costa (fossil: indeterminate *ELOPIDÆ*). Misprinted *CACUS* by authors.

1865.

892. COSTA (1865), page 336. The name *HETEROLEPIS* Costa occurs in the volume quoted, but in a different paper, *Nuove osservazioni i terreni ad ittioliti delle provincie Napolitane*, etc.

1872.

1060. CASTELNAU (1872). *Ichthyology of Australia.*
Cæsioperca Castelnau, 49; orthotype *SERRANUS RASOR* Rich.
Pseudaphritis Castelnau, 92; orthotype *P. BASSI* Castelnau.

1878.

1234. CLARKE (1878). Read:
Ægeonichthys Clarke, 245; orthotype *A. APPELLII* Clarke.
1243. JORDAN (1878). *Manual of Vertebrates, 2d ed.*
Cristivomer Gill & Jordan, 80; type *SALMO NAMAYCUSH* Walbaum. Here first defined; in No. 1244, the word occurs on page 89 as name only.

1880.

1310. KLUNZINGER (1880). *Müllersche Sammlung.*
Colpognathus Klunzinger, 339; orthotype *PLECTROPOMA DENTEX* Cuv. & Val.

1884.

- 1423A. GIGLIOLI & ISSEL (1884). *Pelagos, Saggi sulla vita e sui prodotti del mare, Genova.*

ENRICO HILLYER GIGLIOLI; RAFFAELE ISSEL.

- Hymenocephalus* Giglioli, 228; orthotype *H. ITALICUS* Giglioli.

1888.

1543. VAILLANT, p. 444.

Neostoma and *Eustomias* should be omitted. Both genera are of Filhol, 1884.

1894.

1689. BEAN, p. 463. Omit *CYCLOPSETTA*, a genus of Gill, of 1888.

1895.

1720. JORDAN (1895), p. 469. Add:

Garmannia Jordan, 495; orthotype *GobiUS PARADOXUS* Gthr.

1896.

Omit 1755, p. 476; duplicated.

1898

1780. BOULENGER (1898). *Lake Tanganyika*, etc. Add:

Ectodus Boulenger, 21; logotype *E. DESCAMPSI* Boulenger.

Clariallabes Boulenger (1900); orthotype *C. MELAS* Boulenger. This generic name, omitted in the Zoological Record, I have failed to locate.

1900.

1848, etc. The name of Jacques Pellegrin should be spelled without the acute accent.

1901.

1883. TRAQUAIR (1901). *Notes*, etc.

Cœlacanthopsis Traquair, 113; orthotype *C. CURTA* Traquair (fossil).

1903.

1938. GILCHRIST. *CYTOSOMA* should be omitted (see No. 1977).

1904.

1975. FOWLER.

Boulengerina, inserted here by error, should be omitted. Its type is *DULES MATO* Lesson. That of *SAFOLE* (No. 2084) is *DULES TÆNIURUS*.

Omit 1993, p. 510; duplicated.

1905.

2003. BLAKE (1905). *Monograph of the Fauna of the Cornbrash, Pisces*. Pal. Soc. Mon., LIX, 1-100.

J. F. BLAKE.

Macromesodon Blake, 32; orthotype *GYRODUS MACROPTERUS* Ag. Substitute for *MESODON* Wagner, preoccupied. A synonym of *TYPODUS* Quenstedt.

2018. JORDAN & EVERMANN (1905). *Aquatic Resources*, etc. Add:

Jenkinsiella Jordan & Evermann, 83; orthotype *MICRODONOPHIS MACGREGORI* Evermann.

1913.

Omit 2282, p. 549; duplicated.

1915.

2330. BERG (1915) should be omitted. *CHILOGOBIO* is based on both *C. CZERSKII* and *C. SOLDATOVI*.

1916.

2367. ROULE.

Barathrites should be omitted. The genus is of Zugmayer (see No. 2222).

1918.

2401. IHERING.

Homodietus Ihering should be canceled. The genus *HOMODIÆTUS* is of Eigenmann & Ward (see page 522).

INDEX TO PART IV.

- | | | |
|---|---|---|
| <p>Abalistes, 519
 Abbottina, 505
 Ablennes, 435
 Aboma, 468
 Aborichthys, 547
 Abramites, 518
 Abryois, 499
 Abyssicola, 468
 Abyssocottus, 516
 Acanthagonia, 564
 Acanthalburnus, 558
 Acanthobatis, 436
 Acanthocaulus, 491
 Acanthocephalus, 426
 Acanthochænus, 428
 Acanthocharax, 543
 Acanthocleithron, 562
 Acanthoclinus, 433
 Acanthognathus, 542
 Acanthogobio, 458
 Acantholiparis, 543
 Acanthonotus, 440
 Acanthopegasus, 556
 Acanthopacelus, 521, 533
 Acanthophoria, 469
 Acanthoplesiops, 545
 Acanthopoma, 455
 Acanthopsetta, 511
 Acanthorhina, 535
 Acanthorutilus, 542
 Acapoëta, 535
 Acarichthys, 543
 Acedia, 442
 Acentronichthys, 445
 Aceratias, 497
 Acestridium, 539
 Acestrocephalus, 502
 Acestrorhamphus, 502
 Acestrorhynchus, 502
 Acestrus, 496
 Acmoniodus, 566
 Acmonotus, 475
 Acnodon, 502
 Acondylacanthus, 425
 Aconichthys, 561</p> | <p>Acrodonchus, 446
 Acrossochilus, 570
 Acropœcilia, 447
 Acrotus, 437
 Acteis, 508
 Actinicola, 508
 Actinophorus, 447
 Acutomentum, 460
 Adioryx, 531
 Adrianichthys, 552
 Ædua, 456
 Æmasia, 494
 Æoliscus, 499
 Æquidens, Eigenmann
 and Bray, 464
 Æquidens, Steindachner,
 558
 Æschrichthys, 424
 Æschynichthys, 526
 Æthaloperca, 507
 Ætheolepis, 470
 Æthoprora, 467
 Aëtomyllæus, 528
 Agæonichthys, 575
 Aganacanthus, 430
 Agassizia, 418
 Ageniogarra, 543
 Agmus, 542
 Agnathomyzon, 518
 Agonocottus, 537
 Agriosphyræna, 502
 Ahlia, 458
 Ahynnodontophis, 543
 Ainia, 567
 Ainocottus, 509
 Ainosus, 494
 Alæops, 509
 Albacora, 442
 Albatrossia, 482
 Alcichthys, 509
 Alcidea, 481
 Alcockia, 468
 Aldrovandia, 468
 Alectrias, 482
 Alectridium, 543</p> | <p>Alepichthys, 418
 Alexeterion, 444
 Alexurus, 468
 Alfaro, 544
 Alisea, 568
 Allabenchelys, 497
 Allector, 503
 Allinectes, 482
 Allochir, 474
 Allocyttus, 554
 Allogobius, 511
 Allolepidotus, 445
 Allurus, 474
 Amarginops, 562
 Amate, 519
 Amblypristis, 440
 Amiichthys, 435
 Amioides, 544
 Amitrichthys, 474
 Ampheces, 499
 Amphigonopterus, 564
 Amphilaphurus, 431
 Amphioxides, 467
 Amphodon, 436
 Amylodon, 466
 Anaglyphus, 417
 Anagramma, 487
 Anarchias, 519
 Anchovia, 468
 Anchoviella, 539
 Ancistrodus, 462
 Ancylostylos, 469
 Andersonia, 488
 Anemura, 507
 Angelichthys, 473
 Anguillavus, 503
 Anisistia, 502
 Anisocentrus, 554
 Anisochætodon, 429
 Anodontacanthus, 415
 Anomalichthys, 424
 Anomalopterus, 436, 444
 Anomœdus, 437
 Anopleutropius, 463
 Anoplopterus, 448</p> |
|---|---|---|

- Anostomoides, 529
 Anotopterus, 541
 Ansorgia, 542
 Anteliochimæra, 534
 Anyperistieus, 529
 Aoria, 567
 Apareiodon, 559
 Aparrius, 528
 Apateacanthus, 456
 Apateodus, 496
 Apateolepis, 453
 Aphelichthys, 460
 Aphnelepis, 470, 471
 Aphyocheirodon, 556
 Aphyodite, 542
 Apiorhynchus, 477
 Apiostoma, 477
 Apistogramma, 550
 Apistops, 540
 Aplodon, 426
 Apocopodon, 434
 Apodastyanax, 539
 Apodoglanis, 512
 Apogonops, 475
 Apostasis, 455
 Apristurus, 548
 Aprodon, 451
 Apsett, 490
 Apterygocampus, 551
 Aræosteus, 571
 Araiias, 509
 Aramaca, 433
 Arbaciosa, 472
 Archæomene, 470
 Archæoniscus, 456
 Archæosemionotus, 445
 Archæoteuthis, 436
 Archæotolithus, 537
 Archaulus, 543
 Archicheir, 533
 Archistes, 481
 Archomenidia, 569
 Archoperca, 474
 Arctoscopus, 474
 Areliscus, 490
 Argo, 426
 Argopleura, 547
 Argyripnus, 477
 Argyrocottus, 458
 Arhynchobatis, 534
 Ariomma, 508
 Ariscopus, 499
 Aristichthys, 570
 Aristommata, 462
 Aristoscion, 571
 Aristostomias, 552
 Arnoldina, 569
 Artedidraco, 515
 Artediellus, 433
 Asiphonichthys, 464
 Askoldia, 537
 Aspasma, 498
 Aspasmagaster, 526
 Asperina, 475
 Aspidoras, 524
 Aspiolucius, 521
 Aspiopsis, 546
 Aspistor, 482
 Asprocottus, 516
 Asprotilapia, 492
 Asquamiceps, 541
 Astatheros, 510
 Astatoreochromis, 510
 Astatoliapia, 510
 Asteroplax, 456
 Asterorhombus, 558
 Asterotheca, 556
 Asthenocormus, 470
 Astraspis, 459
 Astrabe, 494
 Astrabodus, 427
 Astrapogon, 523
 Astrolytes, 469
 Astyacinus, 522
 Ateleaspis, 488
 Ateleobranchium, 543
 Atelomycterus, 548
 Atherstonia, 449
 Athlennes, 435
 Atherion, 495
 Atherinomorus, 503
 Atherodon, 570
 Atkinsonella, 571
 Atopacanthus, 566
 Atopichthys, 486
 Atopoclinus, 466
 Atypichthys, 575
 Atyposoma, 485
 Auchenilabrus, 496
 Auchenistius, 485
 Auchenoceros, 447
 Auctospina, 460
 Aulastomatomorpha, 449
 Aulonocranus, 572
 Aulorhamphus, 453
 Aurion, 561
 Austroberyx, 540
 Austrocobitis, 487
 Austrogobio, 483
 Austrolabrus, 430
 Austrolycichthys, 550
 Austrolycus, 550
 Austromenidia, 564
 Austrophycis, 477
 Autisthes, 431
 Auxides, 568
 Aurruncus, 469
 Avocettina, 458
 Axyrias, 476
 Azalois, 568
 Azevia, 442
 Azuma, 499
 Azurina, 481
 Azurella, 567
 Azteca, 473
 Azteca, 482
 Baicalocottus, 501
 Baiostoma, 419
 Baleichthys, 452
 Bambradon, 528
 Barathrites, 541, 560, 576
 Barathrodemus, 419
 Barathronus, 435
 Barbulifer, 440
 Bascanichthys, 458
 Bassobythites, 517
 Bassozetus, 424
 Batacanthus, 425
 Bathyagonus, 451
 Bathyalopex, 492
 Bathybates, 479
 Bathyclupea, 454
 Bathycongrus, 483
 Bathylaco, 467
 Bathylychnus, 497
 Bathymyrus, 450
 Bathymyzon, 424
 Bathyonus, 432
 Bathyophilus, 423
 Bathypercis, 460
 Bathyphasma, 467
 Bathysauropsis, 540
 Bathyseriola, 449

- Bathysolea, 560
 Bathysoma, 450
 Bathystethus, 461
 Batrachocottus, 501
 Batrachomœus, 529
 Bayonia, 538
 Bdelloodus, 421
 Beanea, 500
 Bedotia, 506
 Belemnacanthus, 479
 Bellator, 475
 Bellottia, 423
 Belonepterygion, 556
 Belonocharax, 523
 Belonoglanis, 496
 Belonopterois, 560
 Belonopsis, 574
 Beltion, 571
 Bembradium, 513
 Benedenichthys, 453
 Bengalichthys, 531.
 Bennettia, 507
 Bentenia, 494
 Benthabella, 541
 Benthobatis, 478
 Benthocometes, 468
 Benthodesmus, 419
 Benthosaurus, 435
 Benthosema, 467
 Benthosphyræna, 566
 Bergia, 456
 Bergiaria, 493
 Bergiella, 489
 Bermudichthys, 572
 Bero, 509
 Besnardia, 549
 Biat, 533
 Biotæcus, 502
 Biotodoma, 502
 Bipinnula, 474
 Birkenia, 488
 Bivibranchia, 542
 Biwia, 505
 Blenniulus, 481
 Blenniophidium, 457
 Bleptonema, 553
 Boggiana, 478
 Bogoslovius, 482
 Bollmannia, 447
 Bonapartia, 467
 Boopsetta, 470
 Borborys, 432
 Borostomias, 529
 Bothragonus, 420
 Bothrocarra, 450
 Bothrocaropsis, 486
 Boulengerella, 502
 Boulengerina, 507, 523, 576
 Boulengerochromis, 510
 Bowersia, 504
 Brachælorus, 519
 Brachiacanthus, 446
 Brachioptera, 518
 Brachychalcinus, 457
 Brachydanio, 561
 Brachydirus, 424
 Brachyglanis, 542
 Brachygnathus, 533
 Brachymylus, 460
 Brachyrhaphis, 550
 Bradyurus, 508
 Bramichthys, 516
 Branchoica, 563
 Brannerella, 489
 Brannerion, 570
 Breitensteinia, 417
 Brephostoma, 444
 Brevigobio, 561
 Brontichthys, 464
 Brosmiculus, 444
 Browneichthys, 449
 Brychætus, 495
 Brycochandus, 528
 Bryconamericus, 522
 Bryconodon, 502
 Bryolophus, 499
 Bryostemma, 469
 Bryssetæres, 472
 Bryssophilus, 481
 Bryttosus, 490
 Buccone, 472
 Bulbiceps, 568
 Cacus, 575
 Cæus, 575
 Cæsioperca, 575
 Caffrogobius, 487
 Cainosilurus, 416
 Callaus, 447
 Calliblennius, 541
 Callidulus, 265
 Calliscyllium, 546
 Calliurichthys, 505
 Callochromis, 572
 Callognathus, 447
 Callopristodus, 443
 Calotomus, 451
 Calymmichthys, 553
 Campogramma, 505
 Campyloprion, 498
 Candidia, 533
 Canobius, 418
 Cantioscyllium, 449
 Capoëtobrama, 558
 Caprichthys, 557
 Caproberyx, 540
 Capromimus, 461
 Caragobiu 520
 Carassiops, 477
 Carcharioides, 516
 Carcharodon, 573
 Carcharoides, 547
 Carcharopsis, 422
 Caremitra, 474
 Cariniceps, 496
 Caristius, 514
 Carlia, 554
 Carnegiella, 532
 Caruichthys, 546
 Cascadura, 547
 Caspialosa, 555
 Caspiomyzon, 516
 Castelnauia, 523
 Catabasis, 489
 Catablemella, 450
 Catætyx, 437
 Catalufa, 541
 Cataphractops, 556
 Cathorops, 420
 Catlocarpio, 478
 Catulus, 548
 Caulichthys, 483
 Caulistius, 475
 Caulolepis, 424
 Caulophryne, 468
 Caulopsetta, 461
 Cearana, 528
 Celema, 468
 Centrarchites, 566
 Centristhmus, 485
 Centrobranchus, 507
 Centrodraco, 550
 Centropercis, 469
 Centrophoroides, 431

- Cephalocottus, 524
 Cephalosilurus, 539
 Ceraspis, 439
 Ceratobatis, 476
 Ceratobranchia, 553
 Ceratocheilus, 564
 Cerdale, 416
 Ceromitus, 551
 Cestracion, 560
 Cetomimus, 465
 Cetonurus, 437
 Cetopsorhamdia, 558
 Cetostoma, 555
 Chænocephalus, 550
 Chænodraco, 554
 Chætobranchopsis, 522
 Chæropsodes, 533
 Chalcinopelecus, 455
 Chalazacanthus, 422
 Chalcodus, 439
 Chalinura, 419
 Chamaigenes, 542
 Champsoborus, 531
 Champsochromis, 558
 Chanoides, 495
 Chapalichthys, 500
 Chapinus, 474
 Characilepis, 570
 Characodus, 423
 Charitosomus, 433
 Charybdia, 431
 Chascanopsetta, 463
 Chasmias, 494
 Chasmichthys, 494
 Chasmocranus, 542
 Chaudhuria, 563
 Cheiloprion, 551, 561
 Cheiragonus, 457
 Cheirocerus, 562
 Cheirodopsis, 418
 Chelæthiops, 485
 Chelidoperca, 466
 Chelomodus, 462
 Chenogaster, 505
 Chicolepis, 565
 Chilara, 475
 Chilatherina, 554
 Chilias, 536
 Chilochromis, 497
 Chilogobio, 552, 555, 576
 Chilomyzon, 518
 Chilotilapia, 527
 Chimæropsis, 439
 Chimarrhoglanis, 478
 Chirolophius, 505
 Chiromystus, 434
 Chitonodus, 425
 Chitonotus, 416
 Chlamydes, 504
 Chlamydoselachus, 428
 Chlevastes, 494
 Chloëa, 494
 Chondrenchelys, 443
 Choridactylodes, 498
 Chorimycteris, 464
 Chriodorus, 419
 Chriolepis, 455
 Chrionema, 513
 Chriopeops, 559
 Chromidotilapia, 479
 Chrysobagrus, 485
 Chrysoperca, 523
 Chthamalopteryx, 438
 Chuanchia, 442
 Cilus, 489
 Cinetodus, 483
 Cirrhigaleus, 546
 Cirriscyllium, 529
 Cirrhitoidea, 504
 Cirrhoscyllium, 551
 Cisco, 539
 Citharidium, 497
 Citharoides, 556
 Cladacanthus, 422
 Clariallabes, 576
 Claricola, 474
 Clariger, 494
 Cleidopus, 423
 Cleisthenes, 509
 Clevelandia, 440
 Clinodon, 572
 Clupeonella, 546
 Cnestrodon, 467
 Cnestrostoma, 572
 Cobitiglanis, 553
 Coccogenia, 532
 Coccotis, 419
 Coelacanthopsis, 576
 Cælocephalus, 477
 Cælophrys, 497
 Cælorichthys, 530
 Collettia, 467
 Collybus, 511
 Coloconger, 444
 Colocopus, 428
 Cologrammus, 461
 Cololabis, 473
 Colossoma, 502
 Colotrigla, 513
 Colpichthys, 564
 Colpognathus, 575
 Columbia, 457
 Compsacanthus, 422
 Compsura, 556
 Conchognathus, 444
 Congrammus, 517
 Congrellus, 483
 Congresox, 451
 Congrosoma, 486
 Conocara, 467
 Copanognathus, 566
 Copeichthys, 507
 Copeina, 518
 Copelandellus, 474
 Copodus, 422
 Corallicola, 481
 Coralliozetus, 485
 Coreius, 514
 Corematodes, 471
 Coreoperca, 472
 Coripareius, 543
 Corusculus, 494
 Corvula, 447
 Corymbophanes, 532
 Coryzichthys, 529
 Coscinoxylon, 523
 Cosmochilus, 421
 Cottinella, 521
 Cottiusculus, 509, 511
 Cottocomephorus, 491
 Cotylichthys, 567
 Craterocephalus, 544
 Creedia, 483
 Creisson, 525
 Crenilepis, 440
 Creolus, 420
 Cristigorina, 515
 Cristivomer, 575
 Cromeria, 492
 Crossias, 509
 Crossolytus, 550
 Crossophilus, 434
 Crossopholis, 421

- Cryodraco, 489
 Cryphiolepis, 418
 Cryptophthalmus, 535
 Crytops, 464
 Cryptopsaras, 423
 Cryptotrema, 451
 Crystallaria, 432
 Crystallias, 499
 Crystallichthys, 482
 Ctenobrycon, 527
 Ctenochætus, 428
 Ctenocharax, 526
 Ctenodax, 436
 Ctenodentex, 476, 484
 Ctenodon, 429
 Ctenolepis, 470
 Ctenopetalus, 415
 Ctenopleuron, 525
 Ctenothrissa, 488
 Culricula, 491
 Cultricus, 570
 Cunningtonia, 517
 Curimatella Eig., 446
 Curimatella Pellegrin, 533
 Cyathopharynx, 572
 Cyclolumpus, 546
 Cyclopsetta, 441, 463
 Cyclopterichthys, 417
 Cyclopteroides, 457
 Cyclothone, 419
 Cygnodraco, 561
 Cyneichthys, 536
 Cynocharax, 523
 Cynodonichthys, 510
 Cynopsetta, 506, 519
 Cynomacurus, 532
 Cynopœcilus, 545
 Cynophidium, 554
 Cynopodius, 417
 Cynothrissa, 563
 Cyphocharax, 518
 Cyphotilapia, 572
 Cyprinocirrhites, 563
 Cypselichthys, 426
 Cyrtocara, 497
 Cyrtocharax, 523
 Cyrtonodus, 427
 Cyrtorhynchus, 574
 Cytoides, 436
 Cytomimus, 513
 Cytosoma, 503, 508, 576
 Cyttula, 551
 Cytus, 575
 Dacodraco, 561
 Dactylobatus, 531
 Dactylolepis, 433
 Dactylophora, 427
 Dactyloptena, 528
 Dactylostomias, 486
 Dacymba, 562
 Dæctor, 481
 Daia, 510
 Daicocus, 528
 Daruma, 509
 Dastilbe, 536
 Dasybatus, 432, 560
 Dasycottus, 450
 Davidia, 557
 Deania, 499
 Decapogon Eig., 440
 Decapogon Ribeiro, 565
 Dectérias, 509
 Deinodus, 566
 Deleastes, 520
 Delolepis, 415
 Delothyris, 424
 Deltodopsis, 425
 Deltistes, 476
 Delturus, 446
 Derepodichthys, 467
 Derichthys, 428
 Dermatias, 544
 Dermatocheir, 532
 Dermatopsis, 475
 Dermatorus, 449
 Deuterodon, 522
 Deveximentum, 507
 Dexistes, 509
 Diagrammella, 544, 549
 Dialarchus, 493
 Dialommus, 451
 Diancistrus, 483
 Diapaleoplites, 556
 Diaphus, 454
 Diapoma, 464
 Diastatomycter, 456
 Diatomœca, 569
 Dibbranchichthys, 486
 Dibbranchopsis, 486
 Dicerodus, 443
 Diceratias, 437
 Dichistius, 441
 Dielitodus, 422
 Dicranodus, 432
 Dicrolene, 419
 Dicromita, 468
 Dictyorhabdus, 459
 Didymodus, 422
 Dimylæus, 423
 Dinelops, 527
 Dinognathus, 533
 Dinogunellus, 451
 Dinomylostoma, 517
 Dinoperca, 466
 Dinopteryx, 496
 Dinopterus, 516
 Diodontopsodus, 415
 Diodyxodon, 417
 Diphyacantha, 559
 Diphyodus, 500
 Diplacodus, 427
 Diplaspis, 438
 Diplocanthopoma, 437
 Diplolepis, 418
 Dipnoites, 441
 Dipnolepis, 461
 Dipulus, 516
 Discobatis, 436
 Discotrygon, 535
 Disichthys, 547
 Dissomma, 497
 Dissostichus, 483
 Dixonina, 538
 Docimodus, 471
 Doderleinia, 426
 Doichthys, 551
 Dolichopterus, 454
 Dolichopteryx, 492
 Dolichorhynchus, 495
 Doliodus, 459
 Dolloa, 489
 Dolloidraco, 551
 Dollopterus, 516
 Dolopichthys, 486
 Doryptena, 531
 Draciscus, 493
 Draconetta, 505
 Draculo, 541
 Drepanaspis, 439
 Drombus, 514
 Drydenius, 453
 Duopalatinus, 440
 Dynatobatis, 436

- Dyptychosteus, 537
 Dysalotus, 515
 Dysomma, 444
 Dysommopsis, 454
 Ebisinus, 528
 Ebisus, 494
 Ebosia, 509
 Echinodus, 427
 Echinomacrurus, 560
 Echinophryne, 564
 Eclipes, 569
 Ecrinesomus, 537
 Ectasis, 569
 Ectenias, 553
 Ectodus, 576
 Ectosteorhachis, 422
 Ectreposebastes, 486
 Eczematolepis, 458
 Eichwaldia, 487
 Eigenmannia, 473
 Eigenmannina, 518
 Elacatinus, 508
 Elaphichthys, 509
 Elaphotoxon, 512
 Elasmodectes, 444
 Ellassodiscus, 543
 Elates, 525
 Elattarchus, 472
 Electrolepis, 461
 Eleginops, 455
 Elephenor, 568
 Eleria, 514
 Ellimma, 548
 Ellimmichthys, 568
 Ellipes, 536
 Ellopostoma, 500
 Elopides, 495
 Elpisopholis, 531
 Elxis, 505
 Embassichthys, 475
 Emblemaria, 420
 Embolichthys, 504
 Embryx, 481
 Emmachære, 569
 Emmeekia, 473
 Emmelas, 481
 Emmnion, 477
 Emmydrichthys, 472
 Empetrichthys, 461
 Emphycus, 481
 Enantioliparis, 443
 Enchelion, 503
 Enchelybrotula, 549
 Enchelyolepis, 565
 Endorrhis, 483
 Enedrias, 481
 Engraulicypris, 461
 Engyophrys, 447
 Enneanectes, 468
 Enneistus, 474
 Enneles, 528
 Ennelichthys, 570
 Entomocorus, 562
 Entomolepis, 561
 Enypnias, 481
 Eobothus, 552
 Eobrycon, 525
 Eocœlopoma, 496
 Eocottus, 496
 Eolabroides, 552
 Eomesodon, 565
 Eomyrus Storms, 484
 Eomyrus Ag., 512
 Eoörodus, 552
 Eoperca, 568
 Eopristis, 516
 Eopsetta, 433
 Eoscorpius, 569
 Eosebastes, 474
 Eothynnus, 496
 Epelytes, 562
 Eperlanio, 567
 Ehippites, 492
 Ehippicharax, 548
 Epiceratodus, 456
 Epinephelides, 487
 Epitomynis, 448
 Epitrachys, 448
 Equulites, 507
 Eretmichthys, 486
 Eretmodus, 479
 Eretmophorus, 446
 Ereunias, 493
 Ericara, 477
 Ericentrus, 461
 Ericteis, 508
 Eridacnis, 551
 Erilepis, 461
 Erimystax, 419
 Eriptychius, 459
 Erisphex, 509
 Eritima, 569
 Ernogrammus, 481
 Erosa, 509
 Errex, 567
 Erythrichthys, 525
 Erythrinolepis, 566
 Erythrocles, 567
 Escolar, 468
 Eslopsarum, 472
 Esloscopus, 474
 Esocelops, 495
 Estheria, 575
 Etelides, 514
 Etelinus, 539
 Eteliscus, 490
 Ethmalosa, 560
 Ethmidium, 561
 Etringus, 525
 Etropus, 416
 Euacanthus, 426
 Eubiodectes, 503
 Eubleekeria, 507
 Eucentronotus, 483
 Eucentrurus, 495
 Euctenius, 417
 Euctenodopsis, 495
 Euchilichthys, 488
 Euchilomycterus, 491
 Eucirrichthys, 459
 Eucitharus, 441
 Eucrossorhinus, 530
 Eucrotus, 541
 Eucynopotamus, 507
 Eudontomyzon, 540
 Eudulus, 523
 Euelaticthys, 508
 Eugnathichthys, 479
 Eugnathosaurus, 550
 Euleptocephalus, 470
 Eulophias, 500
 Eumycterias, 493
 Eunarce, 535
 Eunemacanthus, 425
 Eupalæoniscus, 417
 Eupetrichthys, 439
 Euphanerops, 491
 Euphyacanthus, 466
 Eupleurodus, 428
 Euristhmus, 487
 Eurumetopos, 438
 Eurycaulus, 529
 Eurygnathus, 431

- Eurymen, 543
 Eurypharynx, 421
 Eurystole, 473
 Euscarus, 473
 Eusemius, 418
 Eusthenopleuron, 418
 Eustomias, 427, 444, 576
 Eutæniichthys, 494
 Eutherapon, 508
 Euthyopteroia, 507
 Euthynnus, 420
 Eutyx, 503
 Evapristis, 472
 Evarra, 470
 Evenchelys, 498
 Evermanella, 493
 Evermannella, 502
 Evermannia, 468
 Evermannolus, 522
 Evesthes, 536
 Eviota, 504
 Evistias, 524
 Evistius, 461
 Evolantia, 503
 Evynnus, 544
 Exallias, 514
 Execestides, 514
 Exerpes, 472
 Eximia, 493
 Exocætoides, 431
 Exonautes, 472
 Expedio, 534
 Extrarius, 567
 Exyrias, 519
 Falcula, 487
 Falcularius, 504
 Fajumia, 511
 Farlowella, 445
 Farnellia, 484
 Fayolia, 452
 Fimbriatorpedo, 435
 Fissala, 513
 Flammeo, 482
 Fluvidraco, 505
 Foa, 514
 Fodiator, 432
 Fontinus, 473
 Forcipiger, 481, 482
 Forfex, 568
 Formosania, 570
 Fowleria, 504
 Fowlerina, 522
 Franzia, 553
 Furcella, 475
 Furcimanus, 482
 Furcina, 509
 Fusania, 514
 Gadamus, 505
 Galasaccus, 559
 Galeagra, 503
 Galeocerdo, 573
 Gambusinus, 473
 Gamphacanthus, 458
 Ganiodus, 447
 Ganoëssus, 571
 Ganolepis, 463
 Ganolytes, 568
 Ganopristodus, 417
 Ganosteus, 500
 Gareus, 556
 Garmanina, 518
 Garmannia, 575
 Garmannichthys, 563
 Garrupa, 452
 Gastropristis, 556
 Gastropsetta, 463
 Gastrostomus, 424
 Gavialiceps, 444
 Gemundina, 506
 Gennadius, 525
 Genycharax, 543
 Genyomyrus, 479
 Gephyroberyx, 497
 Gephyrocharax, 543
 Gephyrochromis, 492
 Gephyroglanis, 485
 Gephyrura, 454
 Gerlachea, 489
 Germo, 442
 Gigantactis, 497
 Gigantichthys, 440
 Gigantogobius, 513
 Gigantopterus, 516
 Gigantura, 492
 Gigliolia, 465
 Gilbertella Waite, 501
 Gilbertella Eig., 502
 Gilbertia, 452
 Gilbertidia, 484
 Gilbertina, 469
 Gilbertolus, 522
 Gilchristia, 524
 Gillellus, 451
 Gillias, 485
 Gillicus, 480
 Gillidia, 552
 Girellops, 550
 Glandulocauda, 538
 Glaniopsis, 485
 Glaridichthys, 471
 Glaridodon, 467
 Glaucus, 562
 Glossolepis, 527
 Glyphanodus, 422
 Glyptaspis, 447
 Glyptognathus, 456
 Glyptophidium, 444
 Glyptohynchus, 515
 Gnathacanthus, 422
 Gnathobagrus, 562
 Gnathocharax, 548
 Gnathorhiza, 422
 Gnathostomias, 554
 Gobiobotia, 540
 Gœldiella, 489
 Gonialosa, 560
 Gonorhynchops, 566
 Goodella, 477
 Gordiichthys, 458
 Gorgonichthys, 457
 Gosfordia, 453
 Grammatonotus, 513
 Grammatostomias Goode
 & Bean, 468
 Grammatostomias, Holt
 & Byrne, 536
 Grammatotria, 485
 Grammoplites, 508
 Graus, 438
 Graviceps, 502
 Greeleya, 571
 Grimaldichthys, 551
 Grypodon, 486
 Gudusia, 539
 Guentheridia, 508
 Gulapinnus, 549
 Gurnardus, 481
 Gymnapogon, 515
 Gymnatacanthus, 425
 Gymnelichthys, 431
 Gymnocharacinus, 506
 Gymnoclinus, 543
 Gymnocorymbus, 527

- Gymnodiptychus, 458
 Gymnogeophagus, 565
 Gymnognathus, 429
 Gymnolycodes, 444
 Gymnorhamphichthys,
 543
 Gymnosimenchelys, 531
 Gymnotorpedo, 435
 Gymnura, 574
 Gyrinichthys, 467
 Gyrinocheilus, 500
 Gyrinostomus, 434
 Gyrinurus, 545
 Gyrionemus, 443
 Gyrolepidotus, 448
 Gyropeltus, 462
 Hacquetia, 436
 Hadropareia, 511
 Halaphya, 447
 Halecodon, 566
 Halecopsis, 496
 Halicmetus, 454
 Halieutella, 432
 Halieutopsis, 486
 Halimochirus, 484
 Halobatrachus, 529
 Halosaurichthys, 444
 Halosauropsis, 471
 Haploblepharus, 548
 Haplochromis, 442
 Haplodon, 426
 Haploglossa, 518
 Haplolepis, 458
 Haplophryne, 545
 Haplotaxodon, 517
 Harpacanthus, 436
 Harpacodus, 415
 Harpage, 427
 Harriotta, 464
 Hasemania, 538
 Hassar, 440
 Hatcheria, 533
 Haustor, 473
 Hayia, 569
 Hazeus, 494
 Helcogramma, 564
 Helgia, 448
 Helichthys, 532
 Helicolenus, 468
 Helicoprion, 487
 Helmintholepis, 565
 Hemerorhinus, 561
 Hemibates, 572
 Hemicladodus, 427
 Hemictenodus, 452
 Hemiculterella, 439
 Hemieleotris, 560
 Hemiexocætus, 493
 Hemigrammocypriis, 535
 Hemiodopsis, 518
 Hemimyzon, 540
 Hemipsilichthys, 446
 Hemipterois, 540
 Hemiptychodus, 465
 Hemisalanx, 530
 Hemiscaphirhynchus, 542
 Hemistichodus, 491, 557
 Hemitilapia, 497
 Henicichthys, 558
 Henochilus, 451
 Henonemus, 522
 Hephæstus, 431
 Hephthocara, 457
 Heringia, 539
 Hermosilla, 442
 Herops, 431
 Hesperoleucus, 546
 Heteracanthus, 447
 Heterenchelys, 545
 Heterocharax, 543
 Heterogramma, 520
 Heterolepis, 574
 Heterophallus, 555
 Heteropleuron, 469
 Heteroscyllium, 530
 Heteroscymnus, 546
 Heterotilapia, 572
 Hexagrammoides, 524
 Hierichthys, 499
 Hilgendorfia, 468
 Hilsa, 560
 Hippopotamyrus, 520
 Hisonotus, 445
 Hispanicus, 474
 Histiobranchus, 424
 Histiccephalus, 453
 Histicottus, 441
 Histiodraco, 555
 Histiogamphelus, 553
 Histonotopterus, 507
 Histiiothrissa, 495
 Holcodon, 433
 Holcomycteronus, 486
 Holesthes, 502
 Hollandichthys, 535
 Holobrycon, 532
 Holonema, 447
 Holopetalichthys, 469
 Holoprion, 502
 Holopristis, 502
 Holosesthes, 502
 Holurus, 418
 Homalodus, 423
 Homalopteroides, 513
 Homesthes, 481
 Homodemus, 431
 Homodietus, 565, 576
 Homodiætus, 522
 Homostolus, 549
 Hopladelus, 573
 Hopterythrinus, 467
 Hoplias, 503
 Hoplolatilus, 438
 Hplotilapia, 443
 Howella, 483
 Hubbesia, 566
 Hunsruckia, 506
 Hussakofia, 535
 Hyalorhynchus, 536
 Hybocladodus, 486
 Hydropessum, 532
 Hylæobatis, 558, 561
 Hymenocephalus, 575
 Hymenogadus, 570
 Hynnodus, 513
 Hyostomus, 570
 Hypargyrus, 428
 Hyperchoristus, 424
 Hyperlophus, 458
 Hyphessobrycon, 528
 Hypnarce, 501
 Hypocaranx, 429
 Hypoclydonia, 468
 Hypolophites, 549
 Hypomacrus, 523
 Hypopleuron, 549
 Hyposerranus, 429
 Hypsirhynchus, 427, 468
 Hypsopsetta, 575
 Hypsospondylus, 403
 Hysteronotus, 538
 Icanodus, 458
 Icelinus, 433

- Ichthælorus, 573
 Ichthyobus, 573
 Ictalurus, 573
 Icticus, 553
 Ictiobus, 573
 Iheringichthys, 489
 Ijimaia, 516
 Illana, 520
 Ilyodon, 522
 Ilyophis, 454
 Ilypnus, 474
 Imparfinis, 489
 Inegocia, 549
 Inimicus, 509
 Inopsetta, 433
 Insidiator, 490
 Inu, 534
 Ioglossus, 419
 Iotochthys, 473
 Iquius, 568
 Iracundus, 504
 Iridio, 473
 Irillion, 567
 Isacia, 462
 Isaciella, 462
 Ischikauia, 490
 Ischnomembras, 503
 Isesthes, 420
 Iso, 495
 Isobuna, 525
 Isopholis, 439
 Isopsetta, 420
 Istlarius, 486
 Isurichthys, 496
 Jenkinsia, 473
 Jenkinsiella, 576
 Jenynsella, 529
 Jobertina, 533
 Joinvillea, 531
 Jordania, 469
 Jordanicus, 513
 Jordanidia, 541
 Julichthys, 431
 Julidio, 473
 Julidochromis, 479
 Kanekonia, 558
 Kareius, 490
 Kelloggella, 519
 Kenoza, 473
 Kessleria, 418
 Kirtlandia, 473
 Knightia, 525
 Knodus, 538
 Konosirus, 490
 Kræmeria, 521
 Krambergeria, 511
 Krefftius, 478
 Kronia, 557
 Kronichthys, 530
 Krusensteniella, 511
 Labichthys, 424
 Labidorhamphus, 513
 Labracopsis, 426
 Labrochromis, 572
 Lactoria, 498
 Læmonemodus, 503
 Læoptichthys, 556
 Læphichthys, 560
 Lagarodus, 480
 Lahiliella, 502
 Laides, 568
 Laimumena, 430
 Lambdopsetta, 520
 Lambertia, 465
 Lampadena, 467
 Lamprichthys, 540
 Lamprogrammus, 454
 Lamprologus, 452
 Lamprotoxus, 548
 Lanarkia, 488
 Landonia, 553
 Lappanella, 452
 Larimichthys, 514
 Lasanius, 488
 Lebistes, 487
 Leedsia, 448
 Leedsichthys, 449
 Lefua, 442
 Leiogaster, 551
 Leme, 427
 Lepadichthys, 511
 Lepidiolamprologus, 510
 Lepidopomus, 573
 Lepidoblepharon, 551
 Lepidoglanis, 448
 Lepidoperca, 554
 Lepidoterus, 459
 Lepidopsetta, 575
 Lepidothynnus, 447
 Lepiopomus, 572, 573
 Lepomis, 573
 Lepophidium, 467
 Leptanthias, 565
 Leptecodon, 488
 Leptichthys, 487
 Leptoancistrus, 559
 Leptobrycon, 555
 Leptocerdale, 537
 Leptocharias, 573
 Leptochromis, 572
 Leptocypris, 488
 Leptodoras, 479
 Leptodus, 424
 Leptoderma, 436, 444
 Leptoglanis Boulenger, 496
 Leptoglanis Eigenmann, 542
 Leptogoniates, 437
 Leptophilypnus, 559
 Leptophycis, 486
 Leptorhaphis, 550
 Leptoscolopsis, 558
 Leptostomias, 513
 Leptostyrax, 491
 Lepturacanthus, 512
 Lepturichthys, 540
 Lestidiops, 559
 Lestidium, 513
 Lesueuriella, 523
 Lesueurina, 523
 Letharchus, 419
 Lethostole, 473
 Lethotremus, 469
 Lethrinella, 508
 Lethrinichthys, 544
 Leucalburnus, 552, 558
 Leucichthyops, 566
 Leucicorus, 486
 Leucidius, 563
 Leucisculus, 572
 Leucogobio, 471
 Leuroglossus, 457
 Lewisia, 431
 Liauchenoglanis, 558
 Lile, 473
 Limandella, 519
 Limiculina, 523
 Limnichthys, 511
 Limnocottus, 516
 Limnochromis, 572
 Limnothrissa, 563
 Limnotilapia, 572

- Linophryne, 434
 Liocranium, 510
 Lioglossina, 457
 Liopempheris, 549
 Liopteryx, 551
 Lionurus, 437
 Lipariscus, 556
 Liparops, 457
 Liparus, 448
 Lipochromis, 572
 Lipogenys, 465
 Lipomyzon, 415
 Lipophrys, 471
 Lispacanthus, 422
 Lispognathus, 458
 Lissocheilichthys, 572
 Lissochilus, 561
 Lissolepis, 427
 Lissoprion, 524
 Lithogenes, 532
 Lithoxus, 542
 Liza, 428
 Lo. 519
 Lobocheilotes, 558
 Lobodus, 422
 Lobopterus, 569
 Lompochites, 571
 Lompoquia, 569
 Longurio, 514
 Lophar, 569
 Lophiodes, 468
 Lophiomus, 419
 Lophiurus, 418
 Lophocephalus, 520
 Lophorhombus, 421
 Lophostracon, 429
 Loro, 473
 Lovettia, 556
 Lubricogobius, 558
 Lucifer, 418
 Lucioblennius, 457
 Luciobrotula, 549
 LucioCyprinus, 511
 Luciogadella, 570
 Luciogadus, 570
 Luciolates, 552
 Luciopimelodus, 440
 Luspia, 574
 Luxilinus, 432
 Lycenchelys, 428
 Lychnopoles, 486
 Lycias, 481
 Lycocara, 428
 Lycodapus, 457
 Lycodonus, 419
 Lycodophis, 444
 Lycogramma, 556
 Lyconectes, 467
 Lyconema, 467
 Lyconus, 437
 Lygisma, 568
 Lyocetus, 437
 Lyoliparis, 474
 Lyopsetta, 433
 Lyosphæra, 480
 Lyrolepis, 436, 510
 Lysodermus, 520
 Lythrichthys, 509
 Lythrulon, 428
 Lythrypnus, 474
 Maccullochia, 537
 Macdonaldia, 465
 Macgregorella, 533
 Machærognathus, 566
 Machærope, 483
 Macleayina, 523
 Macrepistius, 464
 Macrhybopsis, 532
 Macrias, 493
 Macristium, 505
 Macromesodon, 576
 Macropharynx, 497
 Macrophthalmia, 478
 Macropsobrycon, 555
 Macrostomias, 497
 Macrotrema, 545
 Macrouroides, 544
 Macrurrhynchus, 475
 Malacobatis, 523
 Malacocottus, 450
 Malacosarcus, 437
 Malakichthys, 426
 Mancopsetta, 514
 Manducus, 468
 Manta, 573
 Mapo, 487
 Marcgravia, 435
 Marcgravichthys, 557
 Margariscus, 532
 Markiana, 502
 Mars, 519
 Marsdenius, 501
 Mastigopterus, 549
 Masturus, 428
 Mataeocephalus, 484
 Malthopsis, 454
 Matsya, 445
 Mawsonia, 525
 Mayerina, 557
 Mazodus, 447
 Mearnsella, 530
 Medialuna, 462
 Megalamphodus, 555
 Megalonema, 535, 342
 Megalopharynx, 489
 Megapleuron, 432, 459
 Megastomatobus, 547
 Megistopus, 465
 Melananosoma, 498
 Melaniris, 500
 Melanobranchus, 505
 Melanostigma, 416
 Melanostoma, 426
 Melanostomias, 497
 Merinthe, 511
 Meristodon, 425
 Merogymnus, 529
 Merriamella, 525
 Merriamina, 569
 Merulinus, 481
 Mesacanthus, 443
 Mesiteia, 433
 Mesoborus, 490
 Mesocottus, 524
 Mesogomphus, 423
 Mesolophodus, 449
 Mesopoma, 453
 Metaceratodus, 534
 Metallites, 448
 Metopacanthus, 439
 Metopomycter, 513
 Metoponichthys, 420
 Micralestes, 485
 Microbrachium, 443
 Microbrycon, 553
 Microcharax, 533
 Microconger, 543
 Microconodus, 470
 Microeleotris, 559
 Microgenys, 547
 Microglanis, 542
 Microlepidium, 486
 Microlepidogaster, 445

- Micrognathus, 542
 Microschemobrycon, 555
 Microstomatichthyoborus, 562
 Microsynodontis, 501
 Microthrissa, 496
 Millerichthys, 458
 Mimagoniates, 526
 Miniellus, 442
 Miopsaras, 513
 Mistichthys, 500
 Mitchellina, 473
 Mitsukurina, 480
 Miuroglanis, 446
 Mixobrycon, 556
 Mixonus, 437
 Mnierpes, 474
 Modigliania, 462
 Mœbia, 468
 Mœekhausia, 502
 Mohanga, 538
 Molua, 463
 Molva, 463
 Monoceratias, 556
 Monocladodus, 460
 Monomitopus, 449
 Monomitra, 424
 Monosira, 417
 Monostichodus, 491
 Monothrix, 477
 Mormyrostoma, 545
 Moseleya, 468
 Moxostoma, 574
 Mucogobius, 544
 Mugilogobius, 487
 Mulgoa, 478
 Mustelichthys, 565
 Mycterops, 434
 Mylacodus, 423
 Mylacrædon, 505
 Myleocollops, 502
 Myliobatis, 572
 Mylochromis, 572
 Myloleuciscus, 543
 Myloleucops, 547
 Mylomyrus, 537
 Myloplus, 467
 Mylossoma, 502
 Mylostoma, 425
 Myocharax, 553
 Myoglanis, 542
 Myomyrus, 479
 Mystaconurus, 437
 Myropterura, 477
 Myxocephalus, 439
 Myxostoma, 574
 Nannacara Regan, 515
 Nannacara Ribeiro, 564
 Nannobrachium, 438
 Nannorhamdia, 550
 Nannoglanis, 437
 Nanochromis, 510
 Nanognathus, 466
 Nansenia, 473
 Narcetes, 449
 Nasisqualus, 546
 Nautiscus, 481
 Nautopædium, 567
 Neamia, 544
 Neatypus, 516
 Nectamia, 562
 Nectoliparis, 543
 Nector, 480
 Nedystoma, 483
 Neechelys, 555
 Nemalycodes, 472
 Nemateryx, 529
 Nematabramis, 464
 Nematalosa, 560
 Nematobrycon, 538
 Nematochromis, 551
 Nematogobius, 534
 Nematonotus, 488
 Nematonurus, 437
 Nematonus, 437
 Nematoprora, 513
 Nematostomias, 541
 Nemuroglanis, 445
 Neobagrus, 457
 Neobola, 470
 Neoborus, 485
 Neobythites, 432
 Neoceratias, 554
 Nechochromis, 572
 Neocybium, 519
 Neoditrema, 426
 Neogastromyzon, 515
 Neoheterandria, 559
 Neolebias, 465
 Neomugil, 466
 Neoniphon, 431
 Neopangasius, 510
 Neopatacus, 430
 Neopempheris, 416
 Neopercis, 434
 Neoplecostomus, 440
 Neorhombolepis, 444
 Neoscopelus, 575
 Neostethus, 560
 Neostoma, 427, 444, 576
 Neostomias, 518
 Neotilapia, 572
 Neptotichthys, 451
 Nesiotés, 427
 Nesogrammus, 522
 Nettastomella, 553
 Nettastomops, 521
 Nettophichthys, 455
 Nexilarius, 475
 Nexilosus, 503
 Nezumia, 509
 Nibea, 539
 Nivicola, 474
 Notelops, 495
 Notesthes, 510
 Nothosomus, 434
 Notoclinus, 461
 Notoglanidium, 498
 Notogoneus, 430
 Notolepidomyzon, 548
 Notolepis, 527
 Notopogon, 554
 Notosema, 419
 Notosudis, 561
 Occa, 481
 Oceanomyzon, 528
 Oceanops, 519
 Ochmacanthus, 542
 Ocosia, 509
 Octonema, 438
 Octocynodon, 508
 Ocyanthias, 474
 Ocynectes, 509
 Ocystias, 571
 Odaxothrissa, 485
 Odontesthes, 517
 Odontoglyphis, 507
 Odontonema, 551
 Odontosternarchus, 547
 Œdalechilus, 502
 Œstophorus, 458
 Ogilbia, 480
 Oligobrycon, 555

- Oligoplarchus, 454
 Oloplotosus, 551
 Omiodon, 440
 Omochætus, 477
 Omosudis, 438
 Onar, 431
 Oncolepis, 478
 Onigocia, 549
 Onychostoma, 471
 Ophiocephalops, 518
 Ophiorrhinus, 478
 Ophthalmolycus, 551
 Ophthalmotilapia, 510
 Opisthomyzon, 445
 Opisthoproctus, 443
 Opladelus, 573
 Opostomias, 438
 Opsigonus, 418, 469
 Opsopœa, 473
 Optonurus, 437
 Orcella, 473
 Orcula, 489
 Oreochromis, 446
 Oreogobius, 485
 Oreoleuciscus, 488
 Orqueta, 567
 Orthacodus, 449
 Orthomyelus, 502
 Orthopleurodus, 425
 Orthopnias, 541
 Orthosternarchus, 547
 Orthrias, 505
 Orthybodus, 480
 Oryzias, 519
 Osbeckia, 474
 Oshimia, 567
 Osopsaron, 509
 Osteochromis, 535
 Osteogaster, 464
 Ostichthys, 474
 Ostophycephalus, 487
 Osurus, 504
 Otakia, 490
 Othonias, 539
 Othonophanes, 502
 Othonops, 417
 Otohime, 525
 Otomitla, 454
 Otopharynx, 572
 Otoperca, 558
 Otophidium, 433
 Otrynter, 472
 Owstonia, 531
 Oxybarbus, 463
 Oxycottus, 481
 Oxygadus, 570
 Oxygeneum, 431
 Oxyglanis, 484
 Oxyzygonectes, 559
 Oxyodon, 517
 Oxyropsis, 445
 Ozorthe, 481
 Ozymandias, 569
 Pachycara, 541
 Pachychilon, 421
 Pachylebias, 496
 Pachymylus, 460
 Pachyosteus, 503
 Pachystomias, 438
 Pachyula, 483
 Pagetopsis, 550
 Pagrosomus, 461
 Palæaspis, 427, 430
 Palæchimæra, 456
 Palæochromis, 526, 537
 Palæomylus, 456
 Palæospondylus, 453
 Palæoniscinotus, 452
 Palæophichthys, 527
 Palæosteus, 462
 Pallasina, 469
 Palometa, 479
 Pampanoa, 517
 Pamphoria, 550
 Pamphorichthys, 550
 Pampus, 513
 Panaque, 446
 Pantopholis, 431
 Panturichthys, 549
 Papyrocephalus, 570
 Parabarbus, 535
 Parablennius, 557
 Paracentroscyllium, 444
 Paraceratias, 531
 Paracetopsis, 522
 Parachela, 417
 Paracirrhites, 426
 Paraclinus, 443
 Paracrossocheilus, 510
 Paracymatodus, 558
 Paradicrolene, 444
 Paradoxichthys, 419
 Parafundulus, 561
 Paragambusia, 510
 Paragobioides, 540
 Paragonus, 564
 Paragyrops, 560
 Paraikichthys, 484
 Parailia, 485
 Parakuhlia, 549
 Paralates, 425
 Paraleucogobio, 521
 Paralosa, 560
 Paralichthodes, 498
 Paramphilius, 526
 Paramphioxus, 461
 Paramyxine, 506
 Paranotropis, 507
 Parapelecus, 447
 Parapercis, 430
 Parapetenia, 515
 Paraphago, 485
 Paraphractura, 496
 Parapygæus, 526
 Pararasbora, 530
 Pararhodeus, 521
 Pararutilus, 542
 Parasalanx, 530
 Parascaphirhynchus, 512
 Parasclopsis, 492
 Parascombrops, 450
 Parasphyænops, 542
 Parastremma, 543
 Parasudis, 540
 Parateleopus, 544
 Paratrachichthys, 488
 Parathrissops Sauvage,
 456
 Parathrissops Eastman
 553
 Paratrigla, 540
 Paraturisoma, 545
 Parauchenoglanis, 538
 Paravandellia, 545
 Parazenopsis, 532
 Parecbasis, 553
 Parelops, 498
 Parexostoma, 515
 Parhaplodactylus, 425
 Parhomaloptera, 500
 Parhybodus, 580
 Paricelinus, 445
 Parioglossus, 545

- Parkia, 525
 Parmaturus, 518
 Parona, 466
 Paroneiroides, 449
 Parophiocephalus, 515
 Parotocinclus, 445
 Paulicea, 480
 Pelacanichthys, 477
 Pelamycybium, 516
 Pelamys, 573
 Pelichthys, 547
 Pellegrinina, 523
 Pelmatochromis, 465
 Pelodichthys, 573
 Pelopsia, 423
 Peloropsis, 513
 Pelotretis, 541
 Peltapleura, 518
 Peltura, 459
 Penetopteryx, 416
 Penopus, 468
 Pentaceropsis, 426
 Pentagonolepis, 452
 Pentanchus, 546
 Pentlandia, 561
 Percalates, 439
 Perissodus, 479
 Perissognathus, 566
 Perkinsia, 454
 Perleidus, 538
 Peronedys, 430
 Persissias, 481
 Pertica, 508
 Perugia, 489
 Petalodopsis, 423
 Petalosoma, 530
 Petalurichthys, 545
 Petersius, 465
 Petraitis, 434
 Petrochromis, 479
 Petrosirtes, 426
 Petrotyx, 503
 Phalacrus, 496
 Phallatorhynchus, 559
 Phalloceros, 522
 Phalloptychus, 522, 559
 Phallostethus, 550
 Phanagoniates, 553
 Phanerobranchus, 574
 Phanerosteon, 418
 Phenacogaster, 522
 Phenacogrammus, 522
 Phenagoniates, 553
 Phlyctænacanthus, 479
 Phlyctænaspis, 453
 Phlyctænum, 491
 Phlyctænius, 452
 Phoderacanthus, 423
 Pholidapus, 471
 Pholidosteus, 524
 Pholidurus, 449
 Photoblepharon, 501
 Photonectes, 438
 Photostomias, 444
 Phoxargyrea, 503
 Phoxinopsis, 526
 Phoxiscus, 570
 Phractura, 488
 Phrenatobius, 480
 Phricus, 466
 Phrynotitan, 432
 Phylactocephalus, 431
 Phycodurus, 471
 Phyllogephyra, 479
 Phyllichthys, 559
 Phyllonemus, 517
 Physailia, 492
 Piaractus, 502
 Pictilabrus, 455
 Pilodictis, 573
 Pimelodella, 440
 Pinacodus, 423
 Pisciregia, 484
 Pithecomyzon, 548
 Pithecocharax, 518
 Plagignathops, 521
 Plagiogeneion, 450
 Plagiogrammus, 460
 Plagiopsetta, 535
 Planerocephalus, 518
 Platea, 484
 Platyacanthus, 446
 Platyæniodus, 517
 Platyaspis, 469
 Platyberyx, 541
 Platycephalus, 500
 Platychodus, 437
 Platylates, 539
 Platypharodon, 442
 Platyogon, 551
 Platysilurus, 539
 Platyspondylus, 514
 Platyxystrodus, 486
 Plecodus, 479
 Plectobranchus, 451
 Plectrites, 571
 Plectrogenium, 513
 Plectromus, 424
 Pleuragramma, 496
 Pleurogadus, 433
 Pleurophysus, 564
 Pleuroplax, 449
 Pleurosicya, 551
 Plioparchus, 422
 Pliotrema, 520
 Pluviopsetta, 560
 Pneumatophorus, 420
 Pnictes, 567
 Pnigeacanthus, 425
 Podateles, 497
 Pœcilobrycon, 533
 Pœcilocharax, 533
 Pœcilopsis, 550
 Pœcilosomatops, 518
 Pœcilothrissa, 563
 Pogonocharax, 526
 Pogonophryne, 554
 Pogonopoma, 526
 Pogonoscorpis, 530
 Polistotrema, 416
 Polyacrodus, 447
 Polycentropsis, 492
 Polyclemus, 466
 Polyipnus, 438
 Polypera, 542
 Polypsephis, 486
 Pomodon, 466
 Ponerichthys, 458
 Ponerodon, 449
 Poptella, 528
 Porochilus, 551
 Poroclinus, 450
 Porogadus, 532
 Porolepis, 456
 Poromitra, 419
 Poromitrella, 541
 Porotergus, 543
 Potamalosa, 475
 Potamothrissa, 563
 Priacanthopsis, 517
 Priapella, 550
 Priapichthys, 550
 Primospina, 460

- Prionistius, 421
 Prionobrama, 548
 Prionodraco, 554 (mis-
 printed Prinodraco)
 Pristella, 528
 Pristiophorus, 573
 Pristiopsis, 512
 Pristisomus, 453
 Pristiurus, 573
 Pristobrycon, 556
 Proantigonia, 420
 Pristodus, 423
 Probalistum, 439
 Proballostomus, 454
 Probolodus, 538
 Procatopus, 506
 Procottus, 498
 Prognurus, 482
 Progymnodon, 422
 Prohalecites, 445
 Prolates, 487
 Prolepidotus, 462
 Promacheon, 551
 Promethichthys, 461
 Promyliobatis, 465
 Promyllantor, 449
 Pronotacanthus, 491
 Proportheus, 533
 Propristis, 422
 Prosauropsis, 462, 465
 Proscyllium, 508
 Prosoplismus, 506
 Prospiraxis, 439
 Protacanthodes, 441
 Protacanthus, 460
 Protaulopsis, 496
 Protautoga, 471
 Protelops, 433
 Proterorhinus, 487
 Protitanichthys, 521
 Protoblepharon, 534
 Protocatostomus, 453
 Protodus, 459
 Protopirata, 443
 Protopsetta, 511
 Protosauropsis, 465
 Protospinax, 565
 Protothymallus, 495
 Psalododon, 538
 Psammichthys, 530
 Psectrogaster, 445
 Pseudoblennius, 442
 Pselaphias, 519
 Psellogrammus, 528
 Psettias, 519
 Psettina, 556
 Psettylis, 450
 Pseudacrodus, 516
 Pseudalphestes, 466
 Pseudaphritis, 575
 Pseudepterus, 558
 Pseudocheirodon, 559
 Pseudocorax, 478
 Pseudocorynopoma, 455
 Pseudocyttus, 518
 Pseudogaleus, 465
 Pseudogobiops, 552
 Pseudohelotes, 419
 Pseudolais, 500
 Pseudolates, 483
 Pseudomulloidis, 557, 560
 Pseudomycterus, 529
 Pseudonus, 486
 Pseudopercis, 506, 564
 Pseudophichthys, 557
 Pseudophidium, 524
 Pseudoplesiops, 485
 Pseudopœcilia, 550
 Pseudoscaphirhynchus
 490
 Pseudoscopelus, 458
 Pseudosphærodon, 434
 Pseudostegophilus, 446
 Pseudothryptodus, 490
 Pseudothyryna, 557
 Pseudotocinclus, 569
 Psilocranium, 429
 Psychichthys, 523
 Psychromaster, 474
 Ptenonotus, 529, 554
 Pteranthias, 551
 Pternodus, 432
 Pterobrycon, 547
 Pterocapoëta, 498
 Pterodiscus, 532
 Pterognathus, 481
 Pteroidonus, 437
 Pterolebias, 467
 Pteromylæus, 548
 Pteroplatytrygon, 535
 Pteropodus, 460
 Pteropsaron, 499
 Pterorhombus, 517
 Pterygotrigla, 488
 Ptilichthys, 415
 Pungtungia, 458
 Pycnomma, 511
 Pycnosteus, 537
 Pynocraspedum, 444
 Pyramodon Radcliffe, 549
 Pyramodon Regan, 555
 Pyritocephalus, 464
 Quadrarius, 524
 Quæsita, 568
 Quassiremus, 458
 Quenselia, 442
 Querimana, 420
 Quietula, 469
 Quincuncia, 570
 Quinquarius, 524
 Quisque, 571
 Quisquilius, 504
 Rabidus, 473
 Rabirubia, 462
 Rabula, 458
 Racovitzia, 489
 Radulinus, 457
 Rafinesquiellus, 474
 Raiamas, 567
 Raizero, 462
 Ramphodus, 504
 Ramularia, 481
 Ranulina, 519
 Rasborinus, 572
 Rastrelliger, 528
 Rastrinus, 474
 Rastrum, 507
 Rathbunella, 474
 Redfieldius, 486
 Regania, 509
 Reganichthys, 557
 Reganina, 523
 Remorina, 475
 Retroculus, 464
 Rexea, 541
 Rhabdamia, 534
 Rhabdiodus, 462
 Rhabdoderma, 443
 Rhabdura, 526
 Rhadinacanthus, 443
 Rhadinocentrus, 554
 Rhamdella, 440
 Rhamdioglanis, 524

- Rhamdiopsis, 539
 Rhamphodes, 422
 Rhapsiolepis, 512
 Rhegma, 490
 Rhencus, 472
 Rheocles, 567
 Rheopresbe, 509
 Rhinechidna, 527
 Rhinochimæra, 493
 Rhinognathus, 431
 Rhinoliparis, 467
 Rhinomuræna, 441
 Rhinopias, 513
 Rhinosardinia, 543
 Rhinoscopelus, 458
 Rhizoiketicus, 463
 Rhizoprion, 557
 Rhoadsia, 539
 Rhodeoides, 430
 Rhodeops, 535
 Rhodymenichthys, 475
 Rhomarchus, 569
 Rhombatractus, 464
 Rhombiscus, 490
 Rhombocyttus, 461
 Rhombosoma, 554
 Rhomurus, 568
 Rhonchus, 496
 Rhonciscus, 472
 Rhothœca, 432
 Rhyacichthys, 492
 Rhycherus, 526
 Rhymodus, 423
 Rhynchias, 482
 Rhynchobatus, 573
 Rhynchocypris, 446
 Rhynchorhinus, 496
 Rhythmias, 571
 Ribeiroa, 564, 571
 Ricuzenius, 509
 Rimicola, 472
 Rissola, 475
 Rixator, 571
 Rogadius, 528
 Rogenio, 525
 Rogenites, 568
 Rondeletia, 465
 Ronquilus, 469
 Rooseveltia, 519
 Rooseveltiella, 556
 Rosanthias, 563
 Rosicola, 474
 Rudarius, 498
 Runula, 447
 Runulops, 536
 Ruscarius, 469
 Rusciculus, 493
 Rusulus, 541
 Saccogaster, 444
 Saccostoma, 421
 Sacura, 536
 Safole, 543, 575
 Sagamia, 494
 Sagenichthys, 466
 Salarigobius, 462
 Salema, 472
 Salilota, 437
 Salmothymus, 527
 Samariscus, 513
 Sardina, 512
 Sargacentron, 507
 Sargochromis, 572
 Sarritor, 474
 Satsuma, 520
 Sauromurænesox, 444
 Saurorhynchus, 459
 Sauvagea, 519
 Sayonara, 518
 Scapanorhynchus, 449
 Scaphesthes, 570
 Scaphiodonichthys, 448
 Scaphiodontella, 572
 Scaphodus, 453
 Scaridea, 493
 Scaroides, 534
 Scartella, 435
 Scartes, 475
 Scartichthys, 481
 Scartomyzon, 548
 Scaumenacia, 463
 Sceletophorus, 464
 Schedophilopsis, 417
 Schismatogobius, 542
 Schizochirus, 511
 Schizocypris, 554
 Schizodontopsis, 451
 Schizopondylus, 498
 Schmidtia, 509
 Schmidtina, 510
 Schubotzia, 552
 Sciadeoides, 440
 Sciadonus, 486
 Scianectes, 450
 Scidorhombus, 558
 Sclerocottus, 431
 Scleromystax, 565
 Scleronema, 563
 Scleropteryx, 465
 Sclerorhynchus, 449
 Scolenechelys, 477
 Scolopacichthys, 555
 Scomberessus, 571
 Scombramphodon, 496
 Scombrinus, 496
 Scombrocypris, 446
 Scombropsis, 447
 Scopelarchus, 470
 Scopeloberyx, 541
 Scopelogadus, 444
 Scopelogenys, 449
 Scopeloides, 436
 Scorpænooides, 487
 Scorpis, 573
 Scutica, 473
 Scuticaria, 494
 Scylliogaleus, 497
 Scytalichthys, 458
 Scytaliscus, 424
 Sealeina, 523
 Sebastavus, 569
 Sebastella, 565
 Sebastinus, 571
 Sebastiscus, 509
 Sebastoessus, 571
 Sebastolobus, 415
 Sebastosemus, 513
 Sectator, 462
 Selachophidium, 503
 Selenanthias, 565, 570
 Semitapicis, 446
 Serranellus, 452
 Serranochromis, 572
 Serranops, 554
 Serraria, 428
 Serrivomer, 424
 Sicya, 474
 Sicyosus, 482
 Sierra, 512
 Sigmistes, 582
 Sigmops, 424
 Sigmurus, 481
 Signalosa, 480
 Simochromis, 479
 Simopias, 513

- Siphamia, 534
 Siphateles, 421
 Skiffia, 500
 Sladenia, 530
 Slatinia, 521
 Smithites, 568
 Snyderidia, 513
 Snyderina, 495
 Socnopæa, 511
 Solenodon, 416
 Soleonasmus, 543
 Sosia, 500
 Spaniolepis, 514
 Sparosoma, 425
 Sparosomus, 461
 Spathiurus, 431
 Spathodus, 488
 Spectrunculus, 553
 Sphenanthias, 551
 Sphenophorus, 447
 Sphyrænocharax, 523
 Spilotichthys, 508
 Spinacites, 461
 Spinibarbus, 570
 Spinivomer, 424
 Spintherobolus, 538
 Spiraxis, 434
 Spirinchus, 473
 Spirlingus, 450
 Squaliolus, 546
 Squalogadus, 559
 Squalomugil, 529
 Stalix, 499
 Stappersia, 552
 Starksia, 472
 Starksina, 523
 Stathmonotus, 430
 Steatocranus, 485
 Steatogenys, 479
 Stegostoma, 573
 Steindachnerella, 476
 Steindachneria Eig., 440
 Steindachneria G.&B., 441
 Steindachneridion, 566
 Steindachnerina, 518
 Steinegeria, 435
 Stelgidonotus, 513
 Stelgis, 469
 Stelgistrum, 481
 Stellerina, 474
 Stellicarens, 481
 Stemmatis, 486
 Stemonidium, 513
 Stenesthes, 562
 Stenobranchius, 450
 Stenocaulus, 529
 Stenognathus, 479
 Stenopropoma, 503
 Stenopterus, 425
 Stephanoberyx, 424
 Sternarchella, 512
 Sternarchogiton, 512
 Sternarchorhamphus, 512
 Sternoptychides, 448
 Stethacanthus, 447
 Stethopristes, 513
 Stichonodon, 502
 Stilbiscus, 442
 Stiphodon, 470, 542
 Stlengis, 509
 Stolothrissa, 563
 Stomatorhinus, 478
 Stoniella, 553
 Strophidon, 574
 Styloodus, 421
 Stylophthalmus, 497, 517
 Stypodon, 415
 Styptobasis, 454
 Sufflamen, 559
 Suruga, 494
 Swainia, 474
 Syletor, 567
 Symmorium, 460
 Symphysoglyphus, 551
 Sympodoichthys, 441
 Symprotoperus, 430
 Synagrops, 437
 Synchronus, 444
 Synechodus, 444
 Syntegomodus, 490
 Synthetodus, 476
 Tæniodus, 425
 Tæniomembras, 483
 Tæniopsetta, 513
 Taius, 544
 Talismania, 467
 Tamiobatis, 476
 Tanakia, 553
 Tanakius, 564
 Tannayia, 564
 Tarandichthys, 472
 Tarletonbeania, 454
 Tarpops, 553
 Tarpon, 473
 Tarrasius, 418
 Tarsistes, 567
 Tathicarpus, 526
 Tatia, 545
 Tauredophidium, 449
 Taurocottus, 557
 Taurulus, 524
 Tegeolepis, 458
 Teleogramma, 485
 Telescopias, 495
 Telmatherina, 476
 Telmatochromis, 479
 Temeculina, 532
 Teratichthys, 419
 Teratorhombus, 416
 Tetracentrum, 425
 Tetranesodon, 551
 Tetronarcine, 531
 Thalassothia, 466
 Tharrhias, 528
 Thaumastomias, 449
 Thaumaticthys, 546
 Thayeria, 527
 Thecopterus, 511
 Theragra, 481
 Therobromus, 482
 Thoburnia, 562
 Thoracocharax, 523
 Thoracodus, 422
 Thorichthys, 510
 Thrissocles, 562
 Thrissomimus, 539
 Thrissopteroides, 484
 Thryptodus, 490
 Thursius, 443
 Thymalloides, 527
 Thyrina, 468
 Thyrinops, 564
 Thyriscus, 543
 Thyrion, 571
 Thyrsoles, 571
 Thysanichthys, 509
 Thysanocara, 520
 Thysanophrys, 483
 Tilapia, 574
 Tilesina, 511
 Tilodon, 417
 Tilurella, 541
 Tiluropsis, 541
 Tirodon, 419
 Titanichthys Newb., 433

- Titanichthys Dames, 437
 Tocichthys, 564
 Todarus, 471
 Toledia, 557
 Tolypaspis, 462
 Tomeurus, 533
 Tomocichla, 530
 Tomodus, 422
 Torrentaria, 474
 Torresia, 431
 Tosana, 520
 Toxoprion, 536
 Toxus, 501
 Trachichthodes, 503
 Trachichthyoides, 501
 Trachonurus, 437
 Trachosteus, 447
 Trachycephalus, 427
 Trachyglanis, 496
 Trachystoma, 438
 Traquairia, 460
 Trematocara, 485
 Trianectes, 564
 Triareus, 537
 Tribolodon, 425
 Trichocottus, 557
 Trichopharynx, 483
 Trichophryne, 564
 Trichopsetta, 601
 Trichostomias, 541
 Tridens, 446
 Trifissus, 490
 Trigrammus, 524
 Trimma, 519
 Triplophos, 497
 Tripterophycis, 497, 501,
 Trismegistus, 508
 Trissolepis, 460
 Triurobrycon, 532
 Trogllichthys, 485
 Troglloglanis, 566
 Tropheus, 479
 Tropidocaulus, 569
 Tropicostethus, 469
 Trycherodon, 420
 Trygonorrhina, 574
 Trypauchenophrys, 535
 Trypauchenopsis, 506
 Tubulacanthus, 446
 Tunita, 569
 Turio, 571
 Twingonia, 529
 Tydemia, 551
 Tylobranchus, 542
 Tylochromis, 572
 Tylodus, 462
 Tympanopleura, 542
 Typhlobagrus, 526, 564
 Typhlonarke, 534
 Typhlopsaras, 423
 Tyttocharax, 548
 Ulæma, 468
 Ulca, 472
 Ulua, 528
 Ulvaria, 475
 Ulvicola, 477
 Unagi, 567
 Urenchelys, 491
 Urinophilus, 563
 Urobatis, 548
 Urocles, 567
 Uropteryx, 457
 Usinosita, 490
 Ussuria, 510
 Vailima, 519
 Vaillantella, 512
 Vaillantoonia, 455
 Vaimosa, 519
 Valenciennellus, 468
 Vaticinodus, 425
 Vegetichthys, 565
 Velifracta, 524
 Vellitor, 509
 Venefica, 458
 Ventrifossa, 570
 Veræqua, 509
 Verasper, 481
 Verater, 567
 Verecundum, 452
 Verma, 473
 Verreo, 499
 Verriculus, 404
 Vesicatus, 538
 Vaternio, 511
 Vexillicarax, 512
 Vidalia, 506
 Vigil, 567
 Villarius, 476
 Vinciguerria, 468
 Vinctifer, 570
 Vinculum, 554
 Vireosa, 494
 Vitraria, 504
 Vitreola, 519
 Vulpecula, 548
 Vulsiculus, 475
 Waitea, 519
 Waiteina, 523
 Watasea, 494
 Winteria, 492
 Yarrella, 467
 Yoza, 495
 Yuriria, 473
 Xantocles, 562
 Xenanthias, 529
 Xenatherina, 526
 Xenendum, 487
 Xenentodon, 540
 Xeneretmus, 504
 Xenesthes, 524
 Xenisthmus, 531
 Xenistius, 420
 Xenobythites, 549
 Xenocara, 510
 Xenochirus, 457
 Xenochromis, 485
 Xenoconger, 545
 Xenocys, 447
 Xenodus, 458
 Xenognathus, 556
 Xenogramma, 511
 Xenomystax, 454
 Xenopholis, 431
 Xenopœcilus, 540
 Xenopomatichthys, 534
 Xenopomichthys, 515
 Xenorhynchichthys, 530
 Xenoscarus, 562
 Xenotilapia, 485
 Xenurocharax, 550
 Xererpes, 469
 Xesurus, 473
 Xiliphius, 543
 Xiphistes, 469
 Xiphocharax, 553
 Xyne, 568
 Xyrauchen, 443
 Xyrias, 494
 Xyrinius, 569
 Xyrocharax, 547
 Xyrula, 452
 Xystes, 469
 Xystæma, 468
 Xystodus, 536
 Xystramia, 562
 Xystroperca, 474

Xystrosus, 487
Zacalles, 499
Zacco, 498
Zaclemus, 472, 473
Zalarges, 469
Zalembius, 473
Zalises, 494
Zalocys, 482
Zalypnus, 474
Zameus, 504
Zanclistius, 524

Zanobatus, 548
Zanteclites, 568
Zaphleges, 571
Zaphotias, 482
Zaprora, 472
Zastomias, 556
Zebrias, 490
Zelosis, 571
Zen, 504
Zenion, 473
Zesticelus, 474
Zestidium, 481

Zestis, 481
Zezera, 505
Zoarchias, 499
Zoarcites, 555
Zonoscion, 472
Zoogoneticus, 500
Zoramia, 562
Zororhombus, 571
Zunasia, 548
Zungaropsis, 531
Zygogaster, 547



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