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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
Member of the International Commission of Zoological Nomenclature

STANFORD UNIVERSITY, CALIFORNIA
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CATALOGUE DE TOUS LES LIVRES DE FEU M. CHAPELAIN. (Bibliothèque Nationale, Fonds Français, Nouv. Acq., No. 318.) Colbert Searles, Associate Professor of Romanic Languages. 119 pp., 2 plates. 1912. Price 75c.

THE DUDLEY MEMORIAL VOLUME. Papers by William Russell Dudley, late Professor of Botany, and Several Colleagues. 137 pp., 12 text figures, 9 plates. 1913. Price $1.00.

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THE BIRDS OF THE LATIN POETS. Ernest Whitney Martin, Associate Professor of Greek. 260 pp. 1914. Price $1.00.

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A MORPHOLOGICAL STUDY OF SOME MEMBERS OF THE GENUS PALLAVICINIA. Douglas Houghton Campbell, Professor of Botany, and Florence Williams. 44 pp., 23 text figures. 1914. Price 50c.

THE EVOLUTION OF BRAZIL COMPARED WITH THAT OF SPANISH AND ANGLO-SAXON AMERICA. Manuel de Oliveira Lima, Minister of Brazil to Belgium. 160 pp. 1914. Price $1.00.

THE HEMOLYMPH NODES OF THE SHEEP. Arthur William Meyer, Professor of Anatomy. 74 pp., 1 plate, 4 colored plates. 1914. Price $1.00.

AN INTRODUCTION TO THE STUDY OF THE ENDOCRINE GLANDS AND INTERNAL SECRETIONS. (Lane Medical Lectures.) Sir Edward Schäfer, Regius Professor of Physiology in the University of Edinburgh. 94 pp., 1914. Price 75c.

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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.

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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.

STANFORD UNIVERSITY, CALIFORNIA
JULY 25, 1920; ISSUED AUGUST 15, 1920.

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 SOLENODON 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 CŒLACANTHUS 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. BOGHDANOV (1882). *Sketch of the Expeditions and Natural History Investigations in the Aral-Caspian Region from 1720 to 1874.* (Not verified.)
MODEST NIKOLAEVICH BOGHDANOV (1841-1888).
Kessleria Boghdanov, II, 3; orthotype SCAPHIRHYNCHUS FEDTSCHENKOI Kessler. This generic name is rejected by L. S. Berg, as a nomen nudum, which received its first definition in Jordan's *Guide to the Study of Fishes,* II, 20, 1905. But Boghdanov's species, S. FEDTSCHENKOI Kessler, was described in 1872 and was a well known species. KESSLERIA should therefore be preferred to PSEUDOSCAPHIRHYNCHUS Nikolski.

1359. DÖDERLEIN (1882). *Ein Stomiatide aus Japan.* Arch. Naturg. (2), XLVIII, 26-31.
LUDWIG DÖDERLEIN (1855-).
Lucifer Döderlein, 26; orthotype L. ALBIPINNIS Döderlein.

1360. FACCIOLÀ (1882). *Note sui pesce del stretto di Messina.* X (part 1). 166-168. Naturalista Siciliano, I, for 1882.
LUIGI FACCIOLÀ.
Alepichthys Facciolà, 167; orthotype A. ARGYROGASTER Facciolà.

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

ENRICO HILLYER GIGLIOLI.

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

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

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

THEODORE GILL.

Lophiomus Gill, 552; orthotype LOPHIUS SETIGERUS Vahl.

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

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Notosema Goode & Bean, 193; orthotype N. DILECTA Goode & Bean.
Chalinura Goode & Bean, 199; orthotype C. SIMULA Goode & Bean.
Barathrodemus Goode & Bean, 200; orthotype B. MANATINUS Goode & Bean.
Dicrolene Goode & Bean, 202; orthotype D. INTRONIGER Goode & Bean.
Lycodonus Goode & Bean, 208; orthotype L. MIRABILIS Goode & Bean.
Poromitra Goode & Bean, 214; orthotype P. CAPITO Goode & Bean.
Cyclothone Goode & Bean, 221; orthotype C. LUSCA Goode & Bean.

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

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

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

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

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

Baiostoma Bean, 413; orthotype B. BRACHIALIS Bean. A synonym of ACHIRUS Lac.
Ioglossus Bean, 419; orthotype I. CALLIURUS Bean.
Chriodorus Goode & Bean, 431; orthotype C. ATHERINOIDES Goode & Bean.
Letharchus Goode & Bean, 436; orthotype L. VELIFER Goode & Bean.

1366. GUIMARAËS (1882). *Description d'un nouveau poisson de Portugal.* 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 HYPSILEPIS 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 Panamá,* 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 OPSOPŒDUS Hay.

Euthynnus (Lütken) Jordan & Gilbert, 429; orthotype THYNNUS PELAMYS L.

Bothragonus (Gill) Jordan & Gilbert, 728; orthotype HYPSAGONUS SWANI Steind.

Isesthes Jordan & Gilbert, 757; orthotype BLENNIUS GENTILIS Grd.; a synonym of HYPSOBLENNIUS 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 Brétagne.* Mém. Soc. Sci. Nat. Saône-et-Loire, IV.
HENRI ÉMILE SAUVAGE.

Stylodus Sauvage, IV, 77; orthotype S. LEBESCONTEI Sauvage (fossil).

1378. SAUVAGE (1882). *Description de quelques poissons de la collection du 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 pelecanoides.* 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 Facciolà, 145; orthotype P. CANDIDA Facciolà. Said to be the young of CHLOROPHTHALMUS Ag.

1392. GAUDRY (1883). *Les enhcaînements 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 recuellis 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 Wenslaydale.* Quart. Journ. Geol. Soc., 1884, XL, 614–634.

JAMES WILLIAM DAVIS.

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

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

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

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

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

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

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

JAMES WILLIAM DAVIS.

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

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

CHARLES W. DE VIS.

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

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

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

CHARLES W. DE VIS.

Harpage De Vis, 447; orthotype H. ROSEA De Vis.

Nesiotes De Vis, 453; orthotype N. PURPURASCENS De Vis. A synonym of PSEUDOCHROMIS 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 Facciolà, 112; orthotype H. HEPATICUS Facciolà.

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. LAMBDURUS Gill = ACANTHURUS HEPATUS Bl. & Schn., not TEUTHIS HEPATUS L.

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

THEODORE GILL.

Masturus Gill, 425; orthotype ORTHAGORISCUS OXYUROPTERUS Blkr.

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

THEODORE GILL.

Derichthys Gill, 433; orthotype D. SERPENTINUS Gill.

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

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

GEORG GÜRICH (1859–).

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

1430. JORDAN & SWAIN (1884). *A Review of the American Species of Marine 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.

Anisochætodon 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.

Lophostracon Lankester, 5; orthotype, L. SPITZBERGENSE Lankester (fossil).

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

WILLIAM MACLEAY.

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

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

HENRI ÉMILE SAUVAGE.

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

1436. SAUVAGE (1884). *Sur un siluroide de l'ile 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. Sizgb. Akad. Wiss. Wien, 1883 (1884), 1 Abth., LXXXVIII, 1065–1114.

FRANZ STEINDACHNER.

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

Peronedys Steindachner, 1083; orthotype P. ANGUILLARIS Steind.

Neopatæcus Steindachner, 1087; orthotype PATÆCUS MACULATUS Gthr.

Austrolabrus Steindachner, 1100; orthotype LABRICHTHYS MACULATA Macleay.

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

ALEXANDRE THOMINOT.

Rhodeoides Thominot, 150; orthotype R. VAILLANTI Thominot.

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

RAMSAY HEATLEY TRAQUAIR.

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

1885.

1440. BEAN (1885). *On Stathmonotus, a New Genus of Fishes Related to Muræoides, 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.

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

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

EDWARD DRINKER COPE.

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

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

JAMES WILLIAM DAVIS.

Centrophoroides Davis, 478; orthotype C. LATIDENS Davis (fossil).
Rhinognathus Davis, 480; orthotype R. LEWISI Davis. Name preoccupied, replaced by SCAPANORHYNCHUS Woodw., 1889.
Spathiurus Davis, 503; orthotype S. DORSALIS Davis (fossil).
Amphilaphurus Davis, 504; orthotype A. MAJOR Davis (fossil) = SPATHIURUS DORSALIS Davis. A synonym of SPATHIURUS.
Xenopholis Davis, 548; orthotype X. CARINATUS Davis (fossil).
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 PSEUDOCHROMIS 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; orthotpye PELORIA RUPPELII Cocco. A larval flounder, perhaps young of PLATOPHRYS Sw.

1448. FISCHER (1885). *Ichthyologische und herpetologische Bemerkungen.* Jahrb. Hamburg. Wiss. Anstalten, 1885, II, 49–119.

JOHANN GUSTAV FISCHER (1819–1889).

Sclerocottus Fischer, 58; orthotype S. SCHRADERI Fischer.
Gymnelichthys Fischer, 61; orthotype G. ANTARCTICUS Fischer.

1449. FORBES (1885). *Description of New Illinois Fishes.* Bull. Illinois Lab. Nat. Hist., II.

STEPHEN ALFRED FORBES (1848–).

Oxygeneum Forbes, 136; orthotype O. PULVERULENTUM Forbes.

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

SAMUEL GARMAN.

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

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

SAMUEL GARMAN.

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

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

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

THEODORE GILL.

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

1453. GOODE & BEAN (1885). *On American Fishes in the 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 PŒCILICHTHYS 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 TILESIA, preoccupied. A synonym of ELEGINUS Fischer, 1813, not of Cuvier & Valenciennes, 1830.
Aramaca (Jordan & Goss) Jordan, 133; orthotype CITHARICHTHYS PÆTULUS J. & G. = PLEURONECTES ARAMACA Dönndorf = 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.* (EXOCŒTUS.) Proc. U. S. Nat. Mus., VIII.
DAVID STARR JORDAN; SETH EUGENE MEEK (1859–1914).
Fodiator Jordan & Meek, 45; orthotype EXOCŒTUS 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 Hosius & von der Marck (fossil).

1463. MOCQUARD (1885). *Sur un nouveau genre de Blenniidæ 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 PARAPERCIS 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 Vergleichungen an den elektrischen Organen der Torpedinen.* Arch. Anat. Physiol., 358–370.

GUSTAV THEODOR FRITSCH.

Gymnotorpedo Fritsch, 365; logotype TORPEDO OCCIDENTALIS Storer.

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

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

GEORGE BROWN GOODE; TARLETON HOFFMAN BEAN.

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

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

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

DAVID STARR JORDAN.

Scartella Jordan, 50; orthotype BLENNIUS MICROSTOMUS Poey.

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

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

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

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

DAVID STARR JORDAN.

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

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

DAVID STARR JORDAN.

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

1481. JORDAN & FORDICE (1886). *A Review of the American Species of Belonidæ.* 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 tertiaren 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.

Anomœodus 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.

Chthamalopteryx Ogilby, 616; orthotype C. MELBOURNENSIS Ogilby. A synonym of PAREQUULA 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 uber eine neue Gattung, Hemiculterella.* Bull. Acad. Sci. St. Petersb., 14–23.

NIKOLAI ARKADEVICH VARPAKHOVSKII.

Hemiculterella Varpakhovskii, 23; orthotype H. SAUVAGEI Varpakhovskii.

1510. WILLIAMS (1887). *On the Fossil Faunas of the Upper Devonian, the Genesee Section, New York.* Bull. U. S. Geol. Surv., XLI, 1–104.

HENRY SHALER WILLIAMS (1847–1916).

Prospiraxis Williams, 86; orthotype SPIRAXIS MAJOR Newberry (fossil). Substitute for SPIRAXIS Newberry, preoccupied.

1511. ZIGNO (1887). *Due novi pesci fossili della famiglia dei Balistini, scoperto nel terreno Eoceno 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. Palæozoologie, 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 CEUTHŒCUM 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 Facciolà, 167; orthotype S. FASCIATUS Facciolà.

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. Naturforscheude 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 CŒLACANTHUS ELEGANS Ag. (fossil). A synonym of CŒLACANTHUS 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. PARFAITI Vaillant.
Brosmiculus Vaillant, 292; orthotype B. IMBERBIS Vaillant.
Lycodophis Vaillant, 311; orthotype L. ALBUS Vaillant. A synonym of LYCENCHELYS Gill.
Gymnolycodes Vaillant, 312; orthotype G. EDWARDSI Vaillant.
Neostoma Vaillant, 385; logotype N. BATHYPHILUS Vaillant.

1544. WOODWARD (1888). *A Synopsis of the Vertebrate Fossils of the English Chalk.* Proc. Geol. Assoc. London, 1888, X, 273–338.

ARTHUR SMITH WOODWARD (1864–).

Synechodus Woodward, 288; orthotype HYBODUS DUBRISIENSIS Mackie (fossil).
Elasmodectes (Newton) Woodward, 301; orthotype ELASMOGNATHUS WILLETTI Newton (fossil). Substitute for ELASMOGNATHUS Newton, preoccupied.
Neorhombolepis Woodward, 304; orthotype N. EXCELSUS Woodw. (fossil).

1889.

1545. ALCOCK (1889) *On the Bathybial Fishes of the Bay of Bengal and Neighboring Waters, Obtained During the Season of 1888–9.* Ann. Mag. Nat. Hist., 1889, IV, 376–399, 450–461.

ALFRED WILLIAM ALCOCK.

Paracentroscyllium Alcock, 379; orthotype P. ORNATUM Alcock.
Brephostoma Alcock, 383; orthotype B. CARPENTERI Alcock.
Pycnocraspedum Alcock, 386; orthotype P. SQUAMIPINNE Alcock.
Paradicrolene Alcock, 387; orthotype P. MULTIFILIS Alcock.
Saccogaster Alcock, 389; orthotype S. MACULATUS Alcock.
Glyptophidium Alcock, 390; orthotype G. ARGENTEUM Alcock.
Halosaurichthys Alcock, 454; orthotype H. CARINICAUDA Alcock.
Coloconger Alcock, 456; orthotype C. RANICEPS Conger.
Sauromuræsox 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 Eigenman & Eigenmann.

1555. EIGENMANN & EIGENMANN (1889). *A Revision of the Edentulous Genera of Curimatinæ.* 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. Württenberg, 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 Fischsammlung von Haiti, welche zwei neue Arten, Pœcilia tridens und Eleotris maltzani, enthält.* Sitzber. Ges. Naturf. Freunde Berlin, 1889. 51–55.

FRANZ (MARTIN) HILGENDORF.

Acropœcilia Hilgendorf, 52; orthotype PŒCILIA 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. URANOSCOPUS Pfeffer. A synonym of AMPHILIUS Gthr.

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

ERWIN SCHULZE (1861–).

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

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

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

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

1570. VAILLANT (1889). *Sur les poissons des eaux douces de 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 preoccupied; 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.
Paroneirodes 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 NIGRIPINNIS 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. MACROPHTHALMUS Alcock.

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

ALFRED WILLIAM ALCOCK.

Psettylis Alcock, 437; logotype P. PELLUCIDA Alcock.

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

TARLETON HOFFMAN BEAN.

Bothrocara Bean, 39; orthotype B. MOLLIS Bean.
Poroclinus Bean, 40; orthotype P. ROTHROCKI Bean.
Dasycottus Bean, 42; orthotype D. SETIGER Bean.
Malacocottus Bean, 43; orthotype M. ZONURUS Bean.

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

JAMES WILLIAM DAVIS.

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

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

CARL H. EIGENMANN; ROSA SMITH EIGENMANN.

Stenobrachius 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 Vertebrés 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 (Henochilus wheatlandi, etc.).* Bull. Essex Instit., 1890, XXII, 49–52.

SAMUEL GARMAN.

Henochilus 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. TETROPHTHALMA 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 HYPSAGONUS GRADIENS Herzenstein =ASPIDOPHORUS QUADRICORNIS Cuv. & Val. A synonym of HYPSAGONUS 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 Paléoziques de Belgique. Poissons des Psammites du Condroz, 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 Commentry.* 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 Coccosteidæ.* 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 Coccosteidæ.* Geol. Mag., VII, 144.

RAMSAY HEATLEY TRAQUAIR.

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

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

RAMSAY HEATLEY TRAQUAIR.

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

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

RAMSAY HEATLEY TRAQUAIR.

Benedenichthys Traquair, 492; orthotype PALÆONISCUS 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 Aspidorhynchidæ.* Proc. Zool. Soc. London, 1890, 629–636.

ARTHUR SMITH WOODWARD.

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

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

ARTHUR SMITH WOODWARD.

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

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

ACHILLE DE ZIGNO.

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

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

1891.

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

ALFRED WILLIAM ALCOCK.

Malthopsis Alcock, 26; orthotype M. LUTEUS Alcock.
Halicmetus Alcock, 27; orthotype H. RUBER Alcock.
Lamprogrammus Alcock, 32; orthotype L. NIGER Alcock.
Bathyclupea Alcock, 130; orthotype B. HOSKYNII Alcock.
Dysommopsis Alcock, 137; orthotype D. MUCIPARUS Alcock.

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

G. COMPTER.

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

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

EDWARD DRINKER COPE.

Gephyrura Cope, 654; orthotype G. CONCENTRICA Cope (fossil).
Proballostomus Cope, 655; orthotype P. LONGULUS Cope (fossil).
Oligoplarchus Cope, 656; orthotype O. SQUAMIPINNIS Cope (fossil).

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

EDWARD DRINKER COPE.

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

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

ROSA SMITH EIGENMANN.

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

1619. EIGENMANN & EIGENMANN (1891). *Additions to the Founa 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). *Palæichthyolozki prilozi (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 sydamerikansk 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 recticative sur un fossile corallier recemment 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. 355, 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'Epinac.* 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 Schlichten 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 WILLETTII 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 CŒCULA 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 LIOGNATHUS SPATULATUS Newberry (fossil). Substitute for LIOGNATHUS Newberry, preoccupied by LEIOGNATHUS Lac., 1803.
Icanodus Miller, 716; orthotype TOMODUS CONVEXUS St. John & Worthen. Substitute for TOMODUS Davis, preoccupied.
Œstophorus 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). *Descripzione 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. DORIÆ 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. Landeselwrchf. 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, Pteraspidæ, and Cephalaspidæ.* 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. Chaper 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.
Chorimycterus 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 GUFSTFALICUS 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 synonomy by Ogilby; perhaps a synonym of OPHIOCLINUS.

1703. PERUGIA (1894). *Viaggio di Lamberto Loria nella Papuasia orientale. Pesci d'aqua 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 recuellie en Basse-Californie et dans le Golf par M. Léon Diguet.* 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 Uruguaya.* 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 Republica 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 PŒCILIA 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.
Bathyphasma 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.
Benthosema Goode & Bean, 75; orthotype SCOPELUS MUELLERI Gmelin.
Collettia Goode & Bean, 83; orthotype MYCTOPHUM RAFINESQUEI Cocco.
Lampadena Goode & Bean, 85; orthotype L. SPECULIGERA G. & B.
Æthoprora Goode & Bean, 86; orthotype SCOPELUS METOPOCLAMPUS Cocco.
Bonapartia Goode and Bean, 102; orthotype B. PEDALIOTA G. & B. Name preoccupied; later replaced by ZAPHOTIAS G. & B.
Yarrella Goode & Bean, 103; orthotype Y. BLACKFORDI G. & B.

Grammatostomias Goode & Bean, 110; orthotype G. DENTATUS G. & B.
Aldrovandia Goode & Bean, 132; orthotype HALOSAURUS ROSTRATUS Gthr.
Hypoclydonia Goode & Bean, 236; orthotype H. BELLA G. & B.
Helicolenus Goode & Bean, 248; orthotype 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 preoccupied; 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 APODICHTHYS FUCORUM J. & G.
Xiphistes Jordan & Starks, 847; orthotype XIPHISTER CHIRUS J. & G. Name preoccupied in HEMIPTERA; the genus itself, however, is of doubtful value.

1722. KIRKALDY (1895). *A Revision of the Genera and Species of the 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 Böhmischen 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 Trifail.* 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 Facciolà.

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 Paranà (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.

Phoilidapus 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 EQUES 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 svilluppo dei murenoidi.* Atti. Acc. Lincei Roma, V.

GIOVANNI BATTISTA GRASSI; SALVATORE CALANDRUCCIO.

Todarus Grassi & Calandruccio, 349; orthotype NETTASTOMA BREVIROSTRE Facciolà.

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. Petersb., 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. Petersb., 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.
Bryssetæres 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 EXOCŒTUS 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 GRŒNLANDICUS 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 Odontopyxis frenatus Gill.

Lyoliparis Jordan & Evermann, 451; orthotype Liparis pulchellus Ayres.

Caremitra Jordan & Evermann, 451; orthotype Careproctus simus Gilbert.

Allochir Jordan & Evermann, 452; orthotype Careproctus melanurus Gilbert.

Allurus Jordan & Evermann, 452; orthotype Careproctus ectenes Gilbert. Name preoccupied; replaced in 1900 by Allinectes J. & E.

Amitrichthys Jordan & Evermann, 453; orthotype Paraliparis cephalus Gilbert.

Sicya Jordan & Evermann, 456; orthotype Sicydium gymnogaster Ogilby-Grant.

Lythrypnus Jordan & Evermann, 458; orthotype Gobius dalli Gilbert.

Zalypnus Jordan & Evermann, 459; orthotype Gobius emblematicus J. & G.

Ilypnus Jordan & Evermann, 460; orthotype Lepidogobius gilberti Eigenmann & Eigenmann.

Rathbunella Jordan & Evermann, 463; orthotype Bathymaster hypoplectus Gilbert.

Arctoscopus Jordan & Evermann, 464; orthotype Trichodon japonicus Steind.

Esloscopus Jordan & Evermann, 465; orthotype 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 Devonic 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, Devonic, 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.

Cœlocephalus 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 Eleotrinæ.* 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 MOGURNDA 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 gîsements 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, Brazil.* Trans. Zool. Soc. London, XIV, 421–428.

GEORGE ALBERT BOULENGER.

Steatogenys Boulenger, 428; orthotype RHAMPHICHTHYS ELEGANS Steind.

1777. BOULENGER (1898). *On a New Genus of Salmonoid Fishes from Altai Mountains.* Ann. Mag. Nat. Hist. (7), 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 Pyctodontidæ.* Amer. Naturalist, XXXII, 473–488; 545–560.

CHARLES ROCHESTER EASTMAN.

Phlyctænacanthus Eastman, 552; orthotype P. TELLERI Eastman (a fossil ICHTHYODORULITE from Devonic, Wisconsin). A synonym of ECZEMATOLEPIS Miller = ACANTHOLEPIS Newberry.

Belemnacanthus Eastman, 552; orthotype B. GIGANTEUS Eastman (fossil spine, perhaps of an OSTRACODERM, from the Devonic 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 Contribução para o conhecimento dos peixes do valle dos Amazonas e dos Guyanas, etc.* Bol. Mus. Paraense. Hist. Nat., Para II.

EMIL AUGUST GOELDI.

Phrenatobius Goeldi, orthotype P. CISTERNARUM Goeldi. A little known subterranean fish.

1785. HAY (1898). *Notes on Species of Ichthyodectes, including the New Species I. cruentus, and on the Related and Herein Established Genus Gillicus.* Amer. J. Sci. (4), VI, 225–232.

OLIVER PERRY HAY.

Gillicus Hay, 230; orthotype PORTHEUS ARCUATUS Cope. Said to be a synonym of ICHTHYODECTES Cope.

1786. IHERING (1898). *Description of a New Fish from Saõ Paulo.* Proc. Acad. Nat. Sci. Phila,, 1898, 108–109.

HERMANN VON IHERING (1850–).

Paulicea Ihering, 109; orthotype P. JAHU Ihering.

1787. JAEKEL (1898). *Ueber Hybodus Agassiz.* Sitzber. Naturf. Berlin, 1898, 135–146.

OTTO (MAX JOHANNES) JAEKEL.

Orthybodus Jaekel, 138; orthotype HYBODUS GROSSICONUS Ag. (fossil).

Parhybodus Jaekel, 143; orthotype HYBODUS LONGICONUS Ag. (fossil).

1788. JAEKEL (1898). *Der verschiedenen Rochentypen.* Sitzber. Naturf. Berlin, 1898, 44–53.

OTTO (MAX JOHANNES) JAEKEL.

Lagarodus Jaekel, 50; orthotype PSAMMODUS SPECULARIS Romanowskii (fossil).

1789. JORDAN (1898). *Description of a Species of Fish (Mitsukurina owstoni) from Japan, the Type of a Distinct Family of Lamnoid Sharks.* Proc. Calif. Acad. Sci. (3), I, 199–201.

DAVID STARR JORDAN.

Mitsukurina Jordan, 199; orthotype M. OWSTONI Jordan, a living homologue of the extinct genus SCAPANORHYNCHUS Woodw.

1790. JORDAN & EVERMANN (1898). *The Fishes of North and Middle America; a Descriptive Catalogue of the Species of Fish-like Vertebrates found in the Waters of North America, North of the Isthmus of Panama.* Pt. II. Bull. U. S. Nat. Mus. No. 47, 1241–2182. (Oct. 3, 1898.)

DAVID STARR JORDAN; BARTON WARREN EVERMANN.

Nector Jordan & Evermann, 1433; orthotype BAIRDIELLA ARMATA Gill.

Zestis Jordan & Evermann, 1439; orthotype STELLIFER OSCITANS J. & G.
Zestidium Jordan & Evermann, 1442; orthotype STELLIFER ILLECEBROSUS Gilbert.
Stellicarens Jordan & Evermann, 1445; orthotype STELLIFER ZESTOCARUS Gilbert.
Sigmurus (Gilbert) Jordan & Evermann, 1447; orthotype CORVINA VERMICULARIS Gthr.
Azurina (Jordan & McGregor) Jordan & Evermann, 1544; orthotype A. HIRUNDO Jordan & McGregor.
Forcipiger (Jordan & McGregor) Jordan & Evermann, 1671; orthotype CHELMON LONGIROSTRIS Cuv. & Val.
Emmelas Jordan & Evermann, 1773; orthotype SEBASTODES GLAUCUS Hilgendorf.
Alcidea Jordan & Evermann, 1886; orthotype PARICELINUS 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 GOBIUS 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.
Blenniolus 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.
Ozorthe 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.

Bathycongrus 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. Supplemento (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.

Matæocephalus Berg, 43; orthotype CŒLOCEPHALUS ACIPENSERINUS Gilbert & Cramer. Substitute for CŒLOCEPHALUS 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: Polyptéres, Clupes, Mormyres, Characins,* 59–96. *Cinquieme 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; orhotype 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.
Halieutopsis 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.
Leptophycis Garman, 182; orthotype L. FILIFER Garman.
Lychnopoles Garman, 224; orthotype L. ARGENTEOLUS Garman.
Dactylostomias Garman, 279; orthotype D. FILIFER Garman.
Congrosoma Garman, 308; orthotype C. EVERMANNI Garman.
Atopichthys Garman, 327; logotype A. ESUNCULUS Garman. A catchall for unplaced larval eels not known to be young CONGERS.

1818–1819. HAY (1899). *On Some Changes in the Names, Generic and Specific, of Certain Fossil Fishes.* Amer. Naturalist, XXXIII, 783–792.

OLIVER PERRY HAY.

Stemmatias Hay, 784; logotype STEMMATODUS CHEIRIFORMIS St. John & Worthen (fossil). Substitute for STEMMATODUS St. John & Worthen, preoccupied by STEMMATODUS Heckel.
Hybocladodus Hay, 784; orthotype HELODUS COMPRESSUS St. John & Worthen (fossil).
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 Rœmer, and AGKISTRODUS de Koninck, regarded as preoccupied by AGKISTRODON Beauvais (ANCISTRODON of authors).

1820. JORDAN & SNYDER (1899). *Notes on a Collection of Fishes from the Rivers of Mexico, with Descriptions of Twenty New Species.* Bull. U. S. Fish Comm. for 1899, 116–147.

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER (1867–).

Istlarius Jordan & Snyder, 118; orthotype I. BALSANUS Jordan & Snyder.

Xystrosus Jordan & Snyder, 123; orthotype X. POPOCHE Jordan & Snyder.
Falcula Jordan & Snyder, 124; orthotype F. 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'Egypte et de Roumanie, et rectification rélative à Pseudolates heberti (Gervais).* Bull. Soc. Geol. France, 1899, 3 ser. XXVII, 241–252.

FERNAND PRIEM.

Scorpænoides 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 Ictiolojia. 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 EQUES 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 Verwandschaft der Ganoid-und Knochen-Fische aus der Kreide-Formation von Kansas, U. S. A.* Palæontgr., 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. PELLEGRIN (1900). *Poissons nouveaux ou rares du Congo Français.* Bull. Mus. Paris, 1900, 175–176, 348–354.

JACQUES PELLEGRIN.

Mesoborus Pellegrin, 179; orthotype M. CROCODILUS Pellegrin.

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.

Phlyctænium 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 Zechssteinschichten 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 gesemmelte 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.

Hemiexocœtus Fowler, 293; orthotype H. CAUDIMACULATUS Fowler.

1866. FOWLER (1901). *Note on the Odontostomidæ.* 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.
Ebisus Jordan & Snyder, 308; orthotype E. SAGAMIUS Jordan & Snyder. A synonym of ERILEPIS Gill.

1875. JORDAN & SNYDER (1901). *Fishes of Japan.* Am. Nat., XXXV.
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
Chasmichthys Jordan & Snyder, 941; orthotype CHASMIAS MISAKIUS Jordan & Snyder. Substitute for CHASMIAS Jordan & Snyder, preoccupied.

1876. JORDAN & SNYDER (1901). *A Review of the Apodal Fishes of Japan, with Descriptions of Nineteen New Species.* Proc. U. S. Nat. Mus., XXIII, 837–890. (Aug. 28, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
Chlevastes Jordan & Snyder, 867; orthotype OPHICHTHYS COLUBRINUS Boddaert.
Xyrias Jordan & Snyder, 868; orthotype X. REVULSUS Jordan & Snyder.
Æmasia Jordan & Snyder, 883; orthotype Æ. LICHENOSA Jordan & Snyder.
Scuticaria Jordan & Snyder, 886; orthotype ICHTHYOPHIS TIGRINUS Lesson.

1877. JORDAN & SNYDER (1901). *A Review of the Gobioid Fishes of Japan, with Descriptions of Twenty-one New Species.* Proc. U. S. Nat. Mus., XXIV, 33–132. (Sept. 25, 1901.)
DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.
Vireosa Jordan & Snyder, 38; orthotype V. HANÆ Jordan & Snyder.
Hazeus Jordan & Snyder, 51; orthotype H. OTAKII Jordan & Snyder. A synonym of GNATHOLEPIS Blkr.
Chloëa Jordan & Snyder, 78; orthotype GOBIUS 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 GOBIUS 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 Böhmischen Braunkoklenformation und Beschreibung neuer, oder bisher unvollständig bekannter Arten.* Prag., 1901, 80 pp.

GUSTAVE CARL LAUBE (1839–).

Protothymallus Laube, 23; orthotype THAUMATURUS LUSATUS Laube (fossil).

1883. TRAQUAIR (1901). *Notes on the Lower Carboniferous Fishes of Eastern Fifeshire.* Geol. Mag. (2), Dec., IV, VIII, 110–114.

RAMSAY HEATLEY TRAQUAIR.

Eucentrurus Traquair, 114; orthotype E. PARADOXUS Traquair (fossil).

1884. WELLBURN (1901). *On the Fish Fauna of the Millstone Grits of Great Britain.* Geol. Mag. (2), Dec. IV, 216–222.

EDGAR D. WELLBURN.

Euctenodopsis Wellburn, 220; orthotype E. TENUIS Wellburn (fossil).

1885. WILLEY (1901). *Dolichorhynchus indicus, a New Acraniate.* Quart. Journ. Micr. Sci. (2), XLIV, 269–271.

ARTHUR WILLEY (1867–).

Dolichorhynchus Willey, 269; orthotype D. INDICUS Willey.

1886. WOODWARD (1901). *Catalogue of Fossil Fishes in the British Museum Natural Hist.* Part IV, etc., 636 pp.

ARTHUR SMITH WOODWARD.

Elopides (Agassiz) Woodward, 23; orthotype E. COULONI Ag. (fossil). Printed as name only in *Poissons Fossiles,* V, 1844, 139. A fossil homologue of ELOPS L.

Notelops Woodward, 27; orthotype RHACOLEPIS BRAMA Ag. = CALAMOPLEURUS CYLINDRICUS Ag. (fossil). A synonym of CALAMOPLEURUS Ag.

Esocelops Woodward, 46; orthotype EURYGNATHUS CAVIFRONS Ag. (fossil). A substitute for EURYGNATHUS Ag., preoccupied.

Chanoides Woodward, 63; orthotype CLUPEA MACROPOMA Ag. (fossil).

Brychætus Woodward, 76; orthotype B. MUELLERI Woodw. (fossil). Name only in 1845; validated in 1901.

Histiothrissa Woodward, 131; orthotype SARDINIUS MACRODACTYLUS Von der Marck (fossil).

Halecopsis Woodward, 133; orthotype Osmeroides insignis Delvaux & Ortlieb (fossil).

Apateodus Woodward, 258; orthotype Pachyrhizodus glyphodus Blake (fossil).

Pachylebias Woodward, 294; orthotype Lebias crassicaudatus Ag. (fossil).

Rhynchorhinus (Agassiz) Woodward, 342; orthotype R. branchialis Ag. (fossil). Name printed without explanation in 1844.

Protaulopsis Woodward, 371; orthotype P. bolcensis Woodward (fossil).

Dinopteryx Woodward, 406; orthotype Hoplopteryx spinosus Davis (fossil).

Isurichthys Woodward, 453; logotype Isurus macrurus Ag. (fossil). Name a substitute for Isurus Ag., preoccupied.

Eothynnus Woodward, 457; orthotype Cœlocephalus salmoneus Ag. (fossil). Name a substitute for Cœlocephalus Ag., undefined and preoccupied by Clark, 1860, in Coleoptera.

Phalacrus (Agassiz) Woodward, 458; orthotype P. cybioides Ag. (fossil). Note on type specimen. A synonym of Eothynnus Woodward.

Cariniceps (Owen) Woodward, 458; orthotype C. compressus Owen (fossil). Note on type specimen. A synonym of Eothynnus Woodw.

Rhonchus (Agassiz) Woodward, 458; orthotype R. carangoides Ag. (fossil). Note on type specimen. A synonym of Eothynnus Woodw.

Scombrinus (Agassiz) Woodward, 461; orthotype S. nuchalis Ag. (fossil). Validation of a nomen nudum printed in 1845.

Eocœlopoma Woodward, 470; orthotype E. colei Woodw. (fossil).

Scombramphodon Woodward, 474; orthotype Amphodon benedeni Storms (fossil). Replaces Amphodon Storms, 1887, regarded as preoccupied by Amphodus Peters, 1872.

Acestrus (Agassiz) Woodward, 494; orthotype A. ornatus Woodw. (fossil). Nomen nudum as printed in 1845, validated in 1901; perhaps to be regarded as preoccupied by Acestra Jardine, 1831.

Auchenilabrus (Agassiz) Woodward, 552; orthotype A. frontalis Ag. Name only, reprinted from Agassiz, 1845, 308, when it is also nomen nudum.

Eocottus Woodward, 580; orthotype Gobius veronensis Volta (fossil).

1902.

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 útvarn Krédového.* Ceska Ak. Preze, II, 1–18.

ANTON FRITSCH; EDWIN BAYER.

Schizospondylus Fritsch & Bayer, 8; orthotype S. DUBIUS Fritsch & Bayer.
Parelops Fritsch & Bayer, 13; orthotype P. PARAZAKII Fritsch & Bayer (fossil).

1899. GILCHRIST (1902). *South African Fishes.* Marine Investigations in South Africa, II, 101–113.

J. D. F. GILCHRIST.

Choridactylodes Gilchrist, 101; orthotype C. NATALENSIS Gilchrist.
Melanonosoma Gilchrist, 106; orthotype M. ACUTICAUDATUM Gilchrist.
Paralichthodes Gilchrist, 108; orthotype P. ALGOENSIS Gilchrist.

1900. GRACIANOV (1902). *Die Ichthyo-fauna des Baikalsees; Dnevn.* 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.
Ampheces Jordan & Snyder, 628; orthotype ANAMPSES GEOGRAPHICUS Cuv. & Val.

1910. JORDAN & SNYDER (1902). *Description of Two New Species of Squaloid Sharks from Japan.* Proc. U. S. Nat. Mus., XXV, 79–81. (Sept. 2, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Deania Jordan & Snyder, 80; orthotype D. EGLANTINA Jordan & Snyder, regarded by Garman as a synonym of ACANTHIDIUM Lowe, but the logotype of that genus, as first restricted is an ETMOPTERUS. Not DEANEA, 1875, a genus of PROTOZOA, the name of the fish genus of different origin, being dedicated to Bashford Dean.

1911. JORDAN & SNYDER (1902). *A Review of the Blennioid Fishes of Japan.* Proc. U. S. Nat. Mus., XXV, 441–504. (Sept. 26, 1902.)

DAVID STARR JORDAN; JOHN OTTERBEIN SNYDER.

Zacalles Jordan & Snyder, 448; orthotype Z. BRYOPE Jordan & Snyder; name preoccupied, 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.

Tripterophycis 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.
Holopristis 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 ALBISCOPUS Cope.
Colossoma Eigenmann, 148; orthotype MYLETES OCULUS 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.

Œdalechilus 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.

Hoplias Gill, 1016; orthotype MACRODON TAREIRA Müller. A substitute for MACRODON Müller, preoccupied.

1938. GILCHRIST (1903). *Descriptions of New South African Fishes.* Marine Invest. S. Africa, II, 203–211.

J. D. F. GILCHRIST.

Cyttosoma Gilchrist, 113; orthotype C. 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 EXOCŒTUS MICROPTERUS Cuv. & Val.

Galeagra Heller & Snodgrass, 193; orthotype G. PAMMELAS Heller & Snodgrass.

Nexilosus Heller & Snodgrass, 204; orthotype N. ALBEMARLEUS Heller & Snodgras.

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.

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DAVID STARR JORDAN; HENRY WEED FOWLER.

Zameus Jordan & Fowler, 632; orthotype CENTROPHORUS SQUAMULOSUS Gthr. A synonym of SCYMNODON Bocage & Capello.

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DAVID STARR JORDAN; HENRY WEED FOWLER.

Elxis Jordan & Fowler, 768; orthotype E. NIKKONIS Jordan & Fowler. A synonym of LEFUA Herzenstein.

Orthrias Jordan & Fowler, 769; orthotype O. OREAS Jordan & Fowler. A synonym of OREIAS Sauvage and probably also of BARBATULA Linck.

1950. JORDAN & FOWLER (1903). *A Review of the Dragonets (Callionymidæ) and Related Fishes of the Waters of Japan.* Proc. U. S. Nat. Mus., XXV, 939–959. (May 3, 1903.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Draconetta Jordan & Fowler, 939; orthotype D. XENICA Jordan & Fowler.

Calliurichthys Jordan & Fowler, 941; orthotype CALLIONYMUS JAPONICUS Houttuyn.

1951. JORDAN & FOWLER (1903). *A Review of the Cyprinoid Fishes of Japan.* Proc. U. S. Nat. Mus., XXVI, 811–862. (July 6, 1903.)

DAVID STARR JORDAN; HENRY WEED FOWLER.

Abbottina Jordan & Fowler, 835; orthotype A. PSEGMA Jordan & Fowler.

Zezera Jordan & Fowler, 837; orthotype SARCOCHILICHTHYS HILGENDORFI Ishikawa.

Biwia Jordan & Fowler, 838; orthotype PSEUDOGOBIO ZEZERA Ishikawa.

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DAVID STARR JORDAN; HENRY WEED FOWLER.

Fluvidraco Jordan & Fowler, 904; orthotype PSEUDOBAGRUS RANSONNETI Steind.

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FERNANDO LAHILLE.

Chenogaster Lahille, 375; orthotype C. HOLMBERGI Lahille.

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CHARLES TATE REGAN.

Mylacrodon Regan, 62; orthotype M. GOELDII Regan.

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CHARLES TATE REGAN.

Chirolophius Regan, 279; orthotype LOPHIUS NARESI Gthr. A synonym of LOPHIODES G. & B. (1895).

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CHARLES TATE REGAN.

Gadomus Regan, 459; orthotype BATHYGADUS LONGIFILIS G. & B.

Melanobranchus Regan, 459; orthotype BATHYGADUS MELANOBRANCHUS Vaillant.

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CHARLES TATE REGAN.

Campogramma Regan, 350; orthotype LICHIA VADIGO Risso. A synonym of HYPACANTHUS Raf.

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CHARLES TATE REGAN.

Macristium Regan, 345; orthotype M. CHAVESI Regan.

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CHARLES TATE REGAN.

Bedotia Regan, 416; orthotype B. MADAGASCARIENSIS Regan.

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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).

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PETR YULIEVICH SCHMIDT.

Cynopsetta Schmidt, 19; orthotype C. DUBIA Schmidt, name only; defined by Jordan & Starks, 1906.

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FRANZ STEINDACHNER.

Gymnocharacinus Steindachner, 20; orthotype G. BERGII Steind.

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RAMSAY HEATLEY TRAQUAIR.

Gemundina Traquair, 734; orthotype G. STURTZI Traquair (fossil).

Hunsruckia Traquair, 736; orthotype H. PROBLEMATICA Traquair (fossil).

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WALTER VOLZ.

Trypauchenopsis Volz, 555; orthotype T. INTERMEDIUS Volz.

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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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GEORGE ALBERT BOULENGER.

Procatopus Boulenger, 20; orthotype P. NOTOTÆNIA Boulenger.

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BASHFORD DEAN (1867–).

Paramyxine Dean, 14; orthotype P. ATAMI Dean.

1969. DOLLO (1904). *Résultats du voyage du S. Y. Belgica. Expédition Antarctique Belge.* Anvers.

LOUIS DOLLO.

Copeichthys Dollo, 159; orthotype DIPLOMYSTUS DENTATUS Cope (fossil). Substitute for DIPLOMYSTUS Cope (1877), regarded as preoccupied by DIPLOMYSTES Gthr. (1864).

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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. CHŒROCEPHALUS 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.
Euelatichthys 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.

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THEODORE NICHOLAS GILL.
Bradyurus Gill, 846; orthotype SYMPHODUS SZAJNOCHÆ Zigno (fossil).

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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. PELLEGRIN (1904). *Contribution à l'étude anatomique, biologique et taxonomique des Poissons de la famille des Cichlidés.* Mem. Soc. Zool. France, XVI, 41–402.

JACQUES PELLEGRIN.

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 preliminaires 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. Petersb.

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. Reichsant, 1904, 147–149.

JOAN THEODOR SIMIONESCU.

Krambergeria Simionescu, 148; orthotype K. LANCEOLATA Simionescu (fossil).

1997. SMITH (1904). *A New Cottoid Fish from Bering Sea.* P. Soc. Wash., XVII, 163–164.

HUGH MCCORMICK SMITH.

Thecopterus Smith, 163; orthotype T. ALEUTICUS Smith.

1998. SNYDER (1904). *A Catalogue of the Shore Fishes Collected by the Steamer "Albatross" about the Hawaiian Islands in 1902.* Bull. U. S. Fish Comm., XXII, 513–538.

JOHN OTTERBEIN SNYDER.

Veternio Snyder, 516; orthotype V. VERRENS Snyder.

Collybus Snyder, 525; orthotype C. DRACHME Snyder.

Merinthe Snyder, 535; orthotype SEBASTES MACROCEPHALUS Sauvage.

1999. STROMER (1904). *Nematognathi aus dem Fajum und dem Natronthale in Aegypten.* N. Jahrb. Min., 1904, I, 1–17.

ERNST STROMER VON REICHENBACH (1871–).

Fajumia Stromer, 3; orthotype F. SCHWEINFURTHI Stromer (fossil).

Socnopæa Stromer, 6; orthotype S. GRANDIS Stromer (fossil).

2000. VAILLANT (1904). *Quelques Reptiles, Batraciens et Poissons du Haut Tonquin.* Bull. Mus. Paris, 1904, 297–301.

LÉON VAILLANT.

Luciocyprinus Vaillant, 299; orthotype L. LANGSONI Vaillant.

2001. WAITE (1904). *Additions to the Fish Fauna of Lord Howe Island. No.4.* Rec. Austral. Mus., V, 135–186.

EDGAR RAVENSWOOD WAITE.

Xenogramma Waite, 157; orthotype X. CARINATUM Waite.

Allogobius Waite, 176; orthotype A. VIRIDIS Waite. A synonym of EVIOTA Jenkins.

Limnichthys Waite, 178; orthotype L. FASCIATUS Waite.

Lepadichthys Waite, 180; orthotype L. FRENATUS Waite.

Schizochirus Waite, 243; orthotype S. INSOLENS Waite.

1905.

2002. ANTIPA (1905). *Clupeinen des Westlichen Teiles des Schwarzen Meeres und der Donaumündungen.* Denkschr. Akad. Wiss. Wien, LXVIII.

GREGOR ANTIPA.

Sardina Antipa, 54; orthotype CLUPEA PILCHARDUS L. A synonym of SARDINIA Poey, the two names equally similar to the earlier SARDINIUS Von der Marck, a fossil sardine-like fish. For the genus typified by CLUPEA PILCHARDUS the name CLUPANODON Lac. has been used, but according to the present rules of nomenclature that name must stand for the Asiatic genus, KONOSIRUS.

2003. See Additions and Corrections, page 575.

2004. EASTMAN (1905). *Les types de poissons fossiles du Monte Bolca au 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 (Caristiidæ).* 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.

Execestides Jordan & Thompson, 253; orthotype E. EGREGIUS Jordan & Thompson.

2022. KRAMBERGER (1905). *Die obertriadische Fischfauna von Hallein in Salzberg.* Bietr. 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 CŒLORHYNCHUS RECTUS Ag. (fossil). Substitute for CŒLORHYNCHUS 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, Cottocomephoridæ und Comephoridæ) 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. Cunnington during the Third Tanganyika Expedition, 1904–1905.* Trans. Zool. Soc. London, XVII, 1906, 537–576.

GEORGE ALBERT BOULENGER.

Dinotopterus Boulenger, 550; orthotype D. CUNNINGTONI Boulenger.

Phyllonemus Boulenger, 552; orthotype P. TYPUS Boulenger.
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. DEGENI Boulenger.

2043. BRAUER (1906). *Die Tiefsee-Fische. I. Syst. Theil. (Wissenschaftl. Ergebnisse der deutschen Tiefsee-Expedition).* Jena, 1906, 1–432.

AUGUST BRAUER.

Stylophthalmus Brauer, 70; orthotype S. PARADOXUS Brauer.
Oxyodon Brauer, 287; orthotype O. MACROPS Brauer.
Bassobythites Brauer, 307; orthotype B. BRUNSWIGI Brauer.

2044. EASTMAN (1906). *Structure and Relations of Mylostoma.* Bull. Mus. Comp. Zool., L, 1–29. (May, 1906.)

CHARLES ROCHESTER EASTMAN.

Dinomylostoma Eastman, 23; orthotype D. BEECHERI Eastman (fossil, teeth and body plates): (mentioned earlier, February, 1906, in a paper on 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. PERUGIÆ 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 CÆSIMORUS Lac., the law of tautonomy 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. Dnevn. 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 Pœciliidæ 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 PŒCILIA 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 Biotœcus.* 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 Muræniдæ, 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, Cottocomephoridæ und Comephoridæ.) Beiträge zur Osteologie und Systematik.* St. Petersberg und Berlin, 1907, 1–75.

LEW SEMENOWITCH BERG.

Cottinella Berg, 45; orthotype ABYSSOCOTTUS BOULENGERI Berg.

2072. BERG (1907). *Description of a New Cyprinoid Fish, Paraleucogobio notacanthus, from North China.* Ann. Mag. Nat. Hist., XIX, 1907, 163–164.

LEW SEMENOWITCH BERG.

Paraleucogobio Berg, 163; orthotype P. NOTACANTHUS Berg.

2073. BERG (1907). *Verzeichniss der Fische von Russisch-Turkestan.* St. Petersberg, 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 signifer, 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 = XENOCYPRIS MICROLEPIS Blkr. A substitute for PLAGIOGNATHUS Berg, preoccupied in HEMIPTERA.

2076. EASTMAN (1907). *Devonic Fishes of the New York Formations.* Mem. N. Y. State Mus., X, 1907.

CHARLES ROCHESTER EASTMAN.

Protitanichthys Eastman, 144; orthotype P. FOSSATUS Eastman (fossil; front half of a cranium of an ARTHRODIRE). A snyonym 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.

Acanthophacelus Eigenmann, 425; orthotype PŒCILIA 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 EPHIPPICHARAX 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 Annoted List of Characine Fishes in the United States Nat. Mus. and the Mus. of Ind. Univ., with Descriptions of New Species.* Proc. U. S. Nat. Mus., XXXIII, 1–36. (Sept. 10, 1907.)

CARL H. EIGENMANN; FLETCHER OGLE.

Gilbertolus Eigenmann, 2; orthotype ANACYRTUS ALATUS Steind. Substitute for GILBERTELLA Eigenmann, preoccupied.

Evermannolus Eigenmann, 2; orthotype CYNOPOTAMUS BISERIALIS Garman. Substitute for EVERMANNELLA Eigenmann, preoccupied.

Phenacogrammus Eigenmann, 30; orthotype MICRALESTES INTERRUPTUS Boulenger.

2081. EIGENMANN, McATEE & WARD (1907). *On Further Collections of Fishes from Paraguay.* Ann. Carnegie Mus., 4, 1907, 110–157.

CARL H. EIGENMANN; W. J. McATEE; D. P. WARD.

Homodiætus Eigenmann & Ward, 117; orthotype H. ANISTISTI Eigenmann & Ward.

Henonemus Eigenmann & Ward, 118; orthotype STEGOPHILUS INTERMEDIUS Eigenmann & Eigenmann.

Bryconamericus Eigenmann, 139; orthotype B. EXODON Eigenmann.

Deuterodon Eigenmann, 140; orthotype D. IGUAPE Eigenmann.

Chætobranchopsis Eigenmann & Ward, 144; orthotype C. AUSTRALIS Eigenmann & Ward.

2082. EVERMANN & SEALE (1907). *Fishes of the Philippine Islands.* Bull. Bur. of Fish., XXVI (1906), 1907, 49–110.

BARTON WARREN EVERMANN; ALVIN SEALE.

Nesogrammus Evermann & Seale, 61; orthotype N. PIERSONI Evermann & Seale.

Hypomacrus Evermann & Seale, 101; orthotype H. ALBIENSIS Evermann & Seale.

2083. FOWLER (1907). *Further Knowledge of Some Heterognathous Fishes, II.* Proc. Ac. Nat. Sci. Phila., LVIII, 431–483. (Jan. 7 and Jan. 16, 1907.)

HENRY WEED FOWLER.

Pellegrinina Fowler, 442; orthotype P. HETEROLEPIS Fowler.

Coscinoxyron Fowler, 450; orthotype CHALCINUS CULTER Cope.

Thoracocharax Fowler, 452; orthotype GASTROPELECUS STELLATUS Kner.

Cyrtocharax Fowler, 454; orthotype ANACYRTUS LIMÆSQUAMIS Cope. A synonym of CYNOPOTAMUS.

Cynocharax Fowler, 457; orthotype ANACYRTUS AFFINIS Gthr.

Sphyrænocharax Fowler, 460; orthotype XIPHORHAMPHUS ABBREVIATUS Cope. A synonym of ACESTRORHAMPHUS Eigenmann.

Belonocharax Fowler, 464; orthotype B. BEANI Fowler. A synonym of LUCIOCHARAX Steind., and of the imperfectly described CTENOLUCIUS Gill.

Waiteina Fowler, 473; orthotype MYLETES NIGRIPINNIS Cope. Probably a synonym of COLOSSOMA Eigenmann.

Reganina Fowler, 475; orthotype MYLESTES BIDENS Ag. Probably a synonym of COLOSSOMA.

Starksina Fowler, 476; orthotype MYLESTES HARNIARIUS Cope. Probably a synonym of MYLOSOMA.

Sealeina Fowler, 478; orthotype MYLESTES LIPPINCOTTIANUS Cope.

2084. FOWLER (1907). *Some New and Little Known Percoid Fishes.* Proc. Acad. Nat. Sci Phila., LVIII, 510–528. (Feb. 14, 1907.)

HENRY WEED FOWLER.

Boulengerina Fowler, 512; orthotype DULES MATO Lesson. Name preoccupied; replaced by SAFOLE Jordan.

Astrapogon Fowler, 527; orthotype APOGONICHTHYS STELLATUS Cope.

2085. FOWLER (1907). *Notes on 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 systematicher 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 especias 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.

Knightia 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 Scorpænoid.

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 EVENCHELYS J. & E.

2101. OGILBY (1907). *Some New Pediculate Fishes.* Proc. Roy. Soc. Queensland, XX, 1906, 17–25.

JAMES DOUGLAS OGILBY.

Rhycherus Ogilby, 17; orthotype R. WILDII Ogilby.

Tathicarpus Ogilby, 19; logotype T. BUTLERI Ogilby.

Æschynichthys Ogilby, 25; orthotype DICERATIAS BISPINOSUS Gthr. Substitute for DICERATIAS Gthr., regarded as preoccupied by a genus (DICERATIA) of Mollusks.

2102. PELLÉGRIN (1907). *Sur un Poisson acanthopterygien éocène (Parapygæus polyacanthus n. g. n. sp.).* Bull. Soc. Philom. Paris, ser. 9, 171–179.

JACQUES PELLÉGRIN.

Parapygæus Pellégrin, 172; orthotype P. POLYACANTHUS Pellégrin (fossil).

2103. PELLÉGRIN (1907). *Siluride nouveau du Fouta-Djalon.* Bull. Museum Paris, 1907, 25–27.

JACQUES PELLÉGRIN.

Paramphilius Pellégrin, 23; orthotype P. TRICHOMYCTEROIDES Pellégrin.

2104. REGAN (1907). *Pisces.* Biol. Centr. Amer., 1907, 33–168.

CHARLES TATE REGAN.

Xenatherina Regan, 64; orthotype MENIDIA LISA Meek.

Pogonopoma Regan, 205; orthotype PLECOSTOMUS WERTHHEIMERI Steind.

2105. REGAN (1907). *Descriptions of Two New Characinid Fishes from Argentina.* Ann. Mag. Nat. Hist., 1907 (7), XIX, 261–2.

CHARLES TATE REGAN.

Pogonocharax Regan, 261; orthotype P. REHI Regan.

Phoxinopsis Regan, 262; orthotype P. TYPICUS Regan.

2106. REGAN (1907). *Descriptions of Two New Characinid Fishes from South America.* Ann. Mag. Nat. Hist., XX, 1907, 402–403.

CHARLES TATE REGAN.

Mimagoniates Regan, 402; orthotype M. BARBERI Regan.

Ctenocharax Regan, 403; orthotype C. BOGOTENSIS Regan. Probably a synonym of GRUNDULUS BOGOTENSIS Humboldt.

2107. RIBEIRO (1907). *Una novidade ichthyologica; Kosmos, Rio de Janeiro, IV.*

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. Substitute for CREPIDOGASTER Gthr., preoccupied.

2110. WEBER (1907). *Süsswasserfische von Neu-Guinea; ein Beitrag zur Frage nach dem früheren Zusammenhang von Neu-Guinea und Australien. In Nova Guinea, V.* Zoologie, Leiden, 1907, 529.

MAX WEBER.

Glossolepis Weber, 241; orthotype G. INCISUS Weber.

2111. WOODWARD (1907). *The Fossil Fishes of the English Chalk. Pt. III.* Monogr. Palæont. Soc., 61, 1907, 97–128.

ARTHUR SMITH WOODWARD.

Dinelops Woodward, 121; orthotype D. ORNATUS Woodw. (fossil).

1908.

2112. BARBOUR (1908). *Notes on Rhinomuræna.* Proc. Biol. Soc. Washington, XXI, 39–41.

THOMAS BARBOUR (1884–).

Rhinechidna Barbour, 41; orthotype 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 HYRTLI 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 EXOCŒTUS CIRRIGER Peters.

Merogymnus Ogilby, 18; orthotype M. EXIMIUS Ogilby.

2129. PASCOE (1908). *Marine Fossils in the Yenangyaung Oil-Field, Upper Burma.* Records Geol. Surv. India, XXXVI, 135–142.

E. H. PASCOE.

Twingonia Pascoe, 138, pl. 18; (no specific name proposed) (fossil, Miocene). Described as a foraminifer, but later shown by E. W. Vredenburg to be a fish otolith or ear bone (*fide* Hussakof).

2130. PELLÉGRIN (1908). *Characinides Americains nouveaux de la Collection du Museum 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 Salanginæ.* 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.
Xenorhychichthys 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 Orectolobidæ.* 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.

Cœlurichthys 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. ALESTES Seale & Bean.

2139. SNYDER (1908). *Descriptions of Eighteen New Species and Two New Genera of Fishes from Japan and the Riu Kiu Islands.* Proc. U. S. Nat. Mus., XXXV, 93–111. (Oct. 30, 1908).
JOHN OTTERBEIN SNYDER.

Doryptena Snyder, 102; orthotype D. OKINAWÆ Snyder.
Xenisthmus Snyder, 105; orthotype X. PRORIGER Snyder.

2140. STARKS (1908). *On a Communication Between the Air-Bladder and the Ear in Certain Spiny-Rayed Fishes.* Science, XXVIII, 1908, 613–614.

EDWIN CHAPIN STARKS.

Adioryx Starks, 614; orthotype HOLOCENTRUM SUBORBITALE Gill.

2141. STEINDACHNER (1908). *Ueber eine im Rio 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.
Ôwstonia 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 Zéides.* Comptes Rendus. Acad. Sci. Paris, 148, 1909, 873–874.

ADOLPHE CLIGNY.

Parazenopsis Cligny, 874; orthotype P. ARGENTEUS Cligny.

2149. COCKERELL (1909). *The Nomenclature of the American Fishes Usually Called Leuciscus and Rutilus.* Proc. Biol. Soc. Wash., XXII, 1909, 215–217.

THEODORE DRU ALISON COCKERELL.

Temeculina Cockerell, 216; orthotype LEUCISCUS ORCUTTI Eigenmann & Eigenmann.
Margariscus Cockerell, 217; orthotype CLINOSTOMUS MARGARITA Cope.

2150. COCKERELL & ALLISTON (1909). *The Scales of Some American Cyprinidæ.* 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 HYPSILEPIS 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.
Acanthophacelus 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 Devonic, Ohio).

2158. JAEKEL (1909). *Fischreste aus den Mamfe-Schiefern.* (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 Oberflachenfischen 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.

Anteliochimæra Tanaka, 1; orthotype A. CHÆTIRHAMPHUS Tanaka.

2166. TOULD (1909). *Eine jungstiäre Fauna von Gatun am Panama-kanal.* Wien. Jahrb. Geol. Rechs. Anst., LVIII, 1908 (1909), 673–760.

FRANZ TOULD.

Scaroides Toul, 687; orthotype S. GATUNENSIS Tould.

2167. WAITE (1909). *Scientific Results of the New Zealand Government 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; Devonic, Ohio.) Substitute for BRACHYGNATHUS Hussakof, twice preoccupied.

2173. EIGENMANN (1910). *Catalogue and Bibliography of the Fresh-Water Fishes of Temperate and South Temperate America. (Rept. Princeton Univ. Expedition to Patagonia, 1896, 1899, III, Pt. 2)* Zoology, 375–511.

CARL H. EIGENMANN.

Megalonema Eigenmann, 383; orthotype M. PLATYCEPHALUM Eigenmann.

Hollandichthys Eigenmann, about 400; orthotype H. MULTIFASCIATUS Eigenmann & Norris.

2174. FOWLER (1910). *Notes on Batoid Fishes.* Proc. Acad. Nat. Sci. Phila., LXII, 1910. 468–475. (Aug. 17, 1910.)

HENRY WEED FOWLER.

Discotrygon Fowler, 468; orthotype DISCOBATIS MARGINIPINNIS Maclay & Macleay = RAIA LYMMA Forskål. A synonym of TÆNIURA M. & H. Name a substitute for DISCOBATIS Maclay & 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.

Hemigrammocypris 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.)* Munchen Abh. Ak. Wiss. Math.-Phys. Kl. Suppl.-Bd., IV, 1910 (1911), Abh. 1, 1–135.

VIKTOR FRANZ.

Parabarbus 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 Stomiatoid 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 PARAPERCIS 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 Psammosteidæ 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 Hyperoartii.* 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 CANCILA Buchanan.

Xenopœcilus Regan, 374; orthotype HAPLOCHILUS SARASINORUM Popta.

2217. REGAN (1911). *The Classification of the Teleostean Fishes of the Order Ostariophysi. 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.
Anotopterus Zugmayer, 138; orthotype A. PHARAO Zugmayer.
Benthalbella Zugmayer, 140; orthotype B. INFANS Zugmayer.

1912.

2223. BARBOUR (1912). *Two Preoccupied Names.* Proc. Biol. Soc. Washington. XXV, 1912, 121–126.
THOMAS BARBOUR.
Calliblennius Barbour, 187; orthotype ZACALLES BRYOPE Jordan & Snyder. Substitute for ZACALLES Jordan & Snyder, preoccupied.

2224. BEAN (1912). *Descriptions of New Fishes of Bermuda.* Proc. Biol. Soc. Washington, XXV, 1912, 121–126.
TARLETON HOFFMAN BEAN.
Eucrotus Bean, 123; orthotype E. VENTRALIS Bean.

Parasphyrænops Bean, 124; orthotype P. ATRIMANUS Bean.

2225. BEAUFORT (1912). *On Some New 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. Petersberg.

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 ASPREDO FILAMENTOSUS Cuv. & Val.
Agmus Eigenmann, 128; orthotype A. LYRIFORMIS Eigenmann.
Megalonema Eigenmann, 150; orthotype M. PLATYCEPHALUM Eigenmann.
Microglanis Eigenmann, 155; orthotype M. PŒCILUS Eigenmann.
Brachyglanis Eigenmann, 156; orthotype B. FRENATA Eigenmann.
Leptoglanis Eigenmann, 158; orthotype L. ESSEQUIBENSIS Eigenmann.
Myoglanis Eigenmann, 159; orthotype M. PATAROËNSIS Eigenmann.
Chasmocranus Eigenmann, 160; orthotype C. LONGIOR Eigenmann.
Tympanopleura Eigenmann, 203; orthotype T. PIPERATA Eigenmann.
Ochmacanthus Eigenmann, 213; orthotype O. FLABELLIFER Eigenmann.
Lithoxus Eigenmann, 242; orthotype L. LITHOIDES Eigenmann.
Bivibranchia Eigenmann, 258; orthotype B. PROCTRACTILA 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 GOBIUS 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.

Xenoconger 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 Pœciliid 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 Pœciliid Fishes of the Genus Cynolebias.* Ann. Mag. Nat. Hist. (8), X, 641–652.

CHARLES TATE REGAN.

Cynopœcilus 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. Commissaõ de Linhas Telegraphicas Estrategicas de Matto-Grosso ao Amazonas.* Annexo No. 5, Rio Janeiro, 1912, 1–31.

ALIPIO DE MIRANDA RIBEIRO.

Gyrinurus Ribeiro, 27; orthotype G. BATRACHOSTOMA Ribeiro (Sept., 1912). A synonym of OCHMACANTHUS Eigenmann, June, 1912.
Paravandellia Ribeiro, 28; orthotype P. OXYPTERA Ribeiro.

2254. SMITH (1912). *Description of a New Notidanoid Shark from the Philippine Islands, Representing a New Family.* Proc. U. S. Nat. Mus., XLI, 489–491. (February 8, 1912.)

HUGH MCCORMICK SMITH.

Pentanchus Smith, 489; orthotype P. PROFUNDICOLUS Smith.

2255. SMITH (1912). *The Squaloid Sharks of the Philippine Archipelago, with Descriptions of New Genera and Species.* Proc. U. S. Nat. Mus., XLI, 677–685. (February 9, 1912.)

HUGH MCCORMICK SMITH.

Nasisqualus Smith, 681; orthotype N. PROFUNDORUM Smith.
Squaliolus Smith, 684; orthotype S. LATICAUDUS Smith.

2256. SMITH & RADCLIFFE (1912). *Description of a New Family of Pediculate Fishes from Celebes.* Proc. U. S. Nat. Mus., XLII, 579–582. (Aug. 30, 1912.)

HUGH MCCORMICK SMITH; LEWIS RADCLIFFE.

Thaumatichthys Smith & Radcliffe, 579; orthotype T. PAGIDOSTOMUS Smith & Radcliffe.

2257. SNYDER (1912). *The Fishes of the Streams Tributary to Monterey Bay.* Bull. U. S. Bur. Fish., XXXII, 47–72.

JOHN OTTERBEIN SNYDER.

Hesperoleucus Snyder, 63; orthotype POGONICHTHYS SYMMETRICUS Grd.

2258. TANAKA (1912). *Figures and Descriptions of Fishes of Japan.* Tokyo, V–X, 71–186.

SHIGEHO TANAKA.

Cyclolumpus Tanaka, 86; orthotype C. ASPERRIMUS Tanaka.
Heteroscymnus Tanaka, 102; orthotype H. LONGUS Tanaka.
Cirrhigaleus Tanaka, 151; orthotype C. BARBIFER Tanaka.
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 SCHŒNLEINI 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 Stomiatidæ, 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. PELLEGRIN (1913). *Poisson des côtes de Mauritanie. Mission de M. Gruvel.* Paris Bull. Soc. Zool., XXXVIII, 1913, 116–118.
JACQUES PELLEGRIN.
Panturichthys Pellégrin, 118; orthotype P. MAURITANICUS Pellégrin.

2282. PELLEGRIN (1913). *Poissons nouveaux de Guinée Française recueillis par M. Pobéguin.* Bull. Soc. Zool. Paris, XXXVIII, 1913, 236–241.
JACQUES PELLEGRIN.
Diagrammella Pellégrin, 295; orthotype DIAGRAMMA MACROPS Pellégrin.

2283. PELLEGRIN (1913). *Sur un nouveau genre de Centrarchidés du Gabon.* Comptes Rendus Acad. Roy. 26, 1913, 1488–1489.
JACQUES PELLEGRIN.
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 Pœciliinæ.* Proc. Zool. Soc. London. 1913, 977–1018.

CHARLES TATE REGAN.

Priapichthys Regan, 991; orthotype GAMBUSIA ANNECTENS Regan.
Priapella Regan, 992; orthotype GAMBUSIA BONITA Meek.
Pseudopœcilia Regan, 995; orthotype PŒCILIA FESTÆ Boulenger.
Pœcilopsis 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. MARIÆ Weber.
Porochilus Weber, 523; orthotype P. OBBESI Weber.
Doiichthys Weber, 532; orthotype D. NOVÆ-GUINEÆ Weber.
Tetranesodon Weber, 545; orthotype T. CONORHYNCHUS Weber.

2300. WEBER (1913). *Siboga-Expeditie. Die Fische der Siboga-Expedition.* Leiden, 1–710.

MAX WEBER.

Ceromitus Weber, 54; orthotype C. FLAGELLIFER Weber.
Promacheon Weber, 84; orthotype P. SIBOGÆ Weber.
Apterygocampus Weber, 116; orthotype A. EPINNULATUS Weber.
Odontonema Weber, 148; orthotype O. KERBERTI Weber.
Leiogaster Weber, 179; orthotype L. MELANOPUS Weber.
Pteranthias Weber, 209; orthotype P. LONGIMANUS Weber.
Sphenanthias Weber, 210; orthotype S. SIBOGÆ Weber.
Nematochromis Weber, 265; orthotype N. ANNÆ Weber.
Cheiloprion Weber, 342; orthotype POMACENTRUS LABIATUS Day.
Cyttula Weber, 411; orthotype C. MACROPS Weber.
Lepidoblepharon Weber, 421; orthotype L. OPHTHALMOLEPIS Weber.
Liopteryx Weber, 423; orthotype BRACHYPLEURA XANTHOSTICTA Alcock.
Pleurosicya Weber, 456; orthotype P. BOLDINGHI Weber.
Tydemania Weber, 570; orthotype T. NAVIGATORIS Weber.

2301. WEBER (1913). *Neue Beiträge zur Kenntniss der Süsswasserfische von Celebes.** Amster. Bijdr. Dierk., 1913, 197–213.

MAX WEBER.

Adrianichthys Weber, 204; orthotype A. KRUYTI Weber.

2302. ZUGMAYER (1913). *Diagnoses des Stomiatidés 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. SOLDATOVI Berg.
Pseudogobiops Berg, 500; orthotype GOBIO RIVULARIS Basilewsky.
Leucalburnus Berg, 5, 521; orthotype L. SATURNINI Berg.

2304. BOGOLIUBOV (1914). *Étude sur le Paracymatodus Traut.* Ann Géol. Univérs. Novo Aleksandrija, XVI, 197–199.

H. H. BOGOLIUBOV.

Paracymatodus Bogoliubov, 197; orthotype CYMATODUS RECLINATUS Trautschold.

2305. BOULENGER (1914). *Mission Stappers au Tanganika-Moero. Diagnoses de poissons nouveaux. 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).

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* 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 PRIONOBRAMA Eigenmann.

Parecbasis Eigenmann, 45; orthotype P. CYCLOLEPIS Eigenmann.

2311. EIGENMANN, HENN, AND WILSON. (1914). *New Fishes from Western Colombia, Equador 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 Annoted 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 EXOCŒTUS 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-GUINEÆ Weber = ARISTEUS GOLDIEI Macleay.

2322. REGAN (1914). *Report on the Fresh-Water Fishes Collected by the British Ornithologists' Union Expedition in Dutch New Guinea.* Trans. Zool. Soc. London, 1914, XX, 275–286.

CHARLES TATE REGAN.

Rhadinocentrus Regan, 280; orthotype R. ORNATUS Regan.
Anisocentrus Regan, 281; orthotype NEMATOCENTRIS RUBROSTRIATUS Weber.
Chilatherina Regan, 282; orthotype RHOMBATRACTUS FASCIATUS Weber.

2323. REGAN (1914). *Two New Cyprinid Fishes from Waziristan, Collected by Major G. E. Bruce.* Ann. Mag. Nat. Hist. XIII, 1914, 261–263.

CHARLES TATE REGAN.

Schizocypris Regan, 262; orthotype S. BRUCEI Regan.

2324. REGAN (1914). *Descriptions of Two New Cyprinodont Fishes from Mexico, Presented to the British Museum by Herr A. Rachow.* Ann. Mag. Nat. Hist., XIV, 1914, 65–67.

CHARLES TATE REGAN.

Heterophallus Regan, 66; orthotype H. RACHOVII Regan.

2325. REGAN (1914). *A Synopsis of the Fishes of the Family Macrorhamphosidæ.* Ann. Mag. Nat. Hist., XIII, 1914, 17–21.

CHARLES TATE REGAN.

Notopogon Regan, 14; logotype N. SCHOTELI Regan.
Scolopacichthys Regan, 21; orthotype CENTRISCUS ARMATUS Sauvage.

2326. REGAN (1914). *British Antarctic ("Terra Nova") Expedition.* Zoology, I, Fishes, 1914, 1–54.

CHARLES TATE REGAN.

Histiodraco Regan, 9; orthotype DOLLOIDRACO VELIFER Regan.
Pyramodon Regan, 20; orthotype CYNOPHIDIUM PUNCTATUM Regan.

2327. ZUGMAYER (1914.) *Diagnoses de quelques poissons nouveaux provenant des campagnes du yacht Hirondelle II (1911–1913).* Bull. Inst. Ocean. Monaco, 1914, No. 2888, 1–4.

ERICH ZUGMAYER.

Cetostoma Zugmayer, 3; orthotype C. REGANI Zugmayer.
Zoarcites Zugmayer, 3; orthotype Z. PARDALIS Zugmayer.

1915.

2328. BAMBER (1915). *Reports on the Marine Biology of the Sudanese Red Sea, from Collections Made by Cyril Crossland, etc.* XXII. *The Fishes.* Journ. Linn. Soc. London, XXXI, 1915, 477–485.

R. C. BAMBER.

Neenchelys Bamber, 479; orthotype N. MICROTRETUS Bamber.

2329. BERG (1915). *Compte-Rendu préliminaire sur les harénges collectionnés dans la mer Caspienne par l'Expédition Caspienne de l'Année, 1913.* Mat. Pozn. Russk. Rybolav, IV, No. 6, pp. 1–8.

LEW SEMENOVICH BERG.

Caspialosa Berg, 12; orthotype CLUPEONELLA CASPIA Berg. A substitute for CLUPEONELLA Berg; not of Kessler.

2330. BERG (1915). *Faune de la Russie.* Poissons, III, Pt. 2, 337–704.

LEW SEMENOWITCH BERG.

Chilogobio Berg, 490; orthotype C. CZERSKII Berg.

2331. EIGENMANN (1915). *The 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.

Aphyocheirodon Eigenmann, 58; orthotype A. HEMIGRAMMUS Eigenmann.
Compsura Eigenmann, 60; orthotype C. HETERURA Eigenmann.
Mixobrycon Eigenmann, 62; orthotype CHEIRODON RIBEIROI Eigenmann.

2332. EIGENMANN (1915). *The Serrasalminæ and 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 HYPOPTOPOMA GULARE Cope.

2334. GILBERT (1915). *Fishes Collected by the United States Steamer "Albatross" in Southern California in 1904.* Proc. U. S. Nat. Mus., XLVIII, 305–380.

CHARLES HENRY GILBERT.

Xenognathus Gilbert, 311; orthotype X. PROFUNDORUM Gilbert.
Zastomias Gilbert, 322; orthotype Z. SCINTILLANS Gilbert.
Asterotheca Gilbert, 343; orthotype XENOCHIRUS PENTACANTHUS Gilbert.
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 IIJIMÆ 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.

Pseudothyrina 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.

Pseudomulloides 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. BRASHNIKOVI 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 Pœciliid 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.

Phallatorhynus 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.

Læphichthys 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.

Pseudomulloides 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. Oceanographique 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 THRYSSA Cuv., preoccupied by THRISSA 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 RHOTHŒCUS 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. AMŒNUS 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 Cat-Fishes.* 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.
Thyrinops 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 Ielegr. 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 Devonic, New York).

Machærognathus Hussakof & Bryant, 83; orthotype M. WOODWARDI (fossil mandible ARTHRODIRA, Upper Devonic, New York).

Copanognathus Hussakof & Bryant, 84; orthotype C. CRASSUS (fossil mandible ARTHRODIRA, Upper Devonic, New York).

Deinodus Hussakof & Bryant, 123; orthotype D. BENNETTI (fossil dental plate PTYCTODONTIDÆ, Upper Devonic, New York).

Acmoniodus Hussakof & Bryant, 151; orthotype A. CLARKEI (fossil dental plate ELASMOBRANCHI, Upper Devonic, New York).

Atopacanthus Hussakof & Bryant, 157; orthotype A. DENTATUS (fossil spine ICHTHYODORULITES, Upper Devonic, 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 ACHIROPSIS ASPHYXIATUS Jordan & Goss. This genus differs from all other soles in having the gill opening on the right side completely closed.

Errex Jordan, 343; orthotype GLYPTOCEPHALUS ZACHIRUS Lockington.

Ainia Jordan, 344; orthotype CALLOPTERUS AGASSIZI Thiollière (fossil). Name a substitute for CALLOPTERUS, preoccupied in beetles; name from the locality Ain, in France.

Raiamas Jordan; orthotype CYPRINUS BOLA Ham. "Rajah Mas" of the anglers in India. Replaces BOLA Gthr., preoccupied.

Tarsistes Jordan, 344; orthotype RHYNCHOBATIS Philippi, 1858. No specific name. Generic name preoccupied as RHYNCHOBATUS. Species named TARSISTES 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.

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*"The merry wild Irillion rejoicing from fields of snow" (Dunsaney).

2414. JORDAN (1919). *Fossil Fishes of Southern California, I. Fossil Fishes of the Soledad Deposits . . .* pp. 1–12. Leland Stanford Junior University Publications, University Series, September 18, 1919.

DAVID STARR JORDAN.

Ganolytes Jordan, 6; orthotype G. CAMEO Jordan (fossil).

Rogenites Jordan, 8; orthotype ROGENIO BOWERSI Jordan (fossil).

Rhomurus Jordan, 9; orthotype R. FULCRATUS Jordan (fossil).

Auxides Jordan, 10; orthotype THYNNUS PROPTERYGIUS Ag. (fossil).

Bulbiceps Jordan, 12; orthotype B. RANINUS Jordan (fossil).

Eoperca Jordan, 12; orthotype MIOPLOSUS MULTIDENTATUS Cope (fossil). An Eocene ally of PERCA, differing from MIOPLOSUS in the presence of 12 dorsal spines and in the stronger and more numerous retrorse serrations of the preopercle.

2415. JORDAN (1919). *Description of a New Fossil Fish from Japan.* Proc. Cal. Ac. Sci, IX, 271–272. October 22, 1919.

DAVID STARR JORDAN.

Iquius Jordan, 271; orthotype I. NIPPONICUS Jordan (fossil CLUPEID).

2416. JORDAN (1919). *The Genera of Fishes, Part III.* Leland Stanford Junior University Publications, University Series, October 25, 1919.

DAVID STARR JORDAN.

Laides Jordan, 293; orthotype 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 DUSSUMIERIID).

Quæsita Jordan & Gilbert (J. Z.), 30; orthotype Q. QUISQUILIA J. & G. (fossil DUSSUMIERIID).

Azalois Jordan & Gilbert (J. Z.), 32; orthotype A. ANGELENSIS J. & G. (fossil DUSSUMIERIID).

Lygisma Jordan & Gilbert (J. Z.), 33; orthotype L. TENAX J. & G. (fossil DUSSUMIERIID).

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.
Cultriculus 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 Sakhaliu.* 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 CŒLORHYNCHUS 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 CYNOSCION, but the anal rays more numerous, 1.15 in number, the dorsal rays about XII — 1.20, and the caudal fin very large. Vertebræ 14 + 10 or 11.)

Beltion Jordan, 571; orthotype B. PERONIDES Jordan (fossil). (BELONIDÆ, distinguished from BELONE by needle-like jaws, moderate, even teeth, and larger scales; Miocene, Lompoc, California.)

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).

Thyrsocles 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).

Araeosteus Jordan & Gilbert, 25; orthotype A. ROTHI 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 Cichlidæ, I. The Tanganyika Genera.* Ann. Mag. Nat. Hist., V, January 1920.

CHARLES TATE REGAN.

Tylochromis Regan, 37; orthotype PELMATOCHROMIS JENTINKI Steind.
Heterotilapia Regan, 38; orthotype TILAPIA BUETTIKOFERI Boulenger.
Neotilapia Regan, 38; orthotype CHROMIS TANGANICÆ Gthr.
Otopharynx Regan, 38; orthotype TILAPIA AUROMARGINATA Boulenger.
Limnotilapia Regan, 39; orthotype TILAPIA DARDENNII Boulenger.
Cyathopharynx Regan, 42; orthotype TILAPIA GRANDOCULIS Boulenger.
Limnochromis Regan, 43; orthotype PELMATOCHROMIS AURITUS Boulenger.
Cyphotilapia Regan, 43; orthotype PELMATOCHROMIS FRONTOSUS Boulenger.
Lipochromis Regan, 45; orthotype PELMATOCHROMIS OBESUS Boulenger.
Neochromis Regan, 45; orthotype TILAPIA SIMOTES Boulenger.
Cnestrostoma Regan, 45; orthotype PARATILAPIA POLYODON Boulenger.
Mylochromis Regan, 45; orthotype TILAPIA LATERISTRIGA Gthr.
Sargochromis Regan, 45; orthotype PARATILAPIA CODRINGTONI Boulenger.
Labrochromis Regan, 45; orthotype TILAPIA PALLIDA Boulenger.
Serranochromis Regan, 45; orthotype CHROMYS THUNBERGI Castelnau.
Clinodon Regan, 45; orthotype HEMITILAPIA BAYONI Boulenger.
Callochromis Regan, 46; orthotype PELMATOCHROMIS MACROPS Boulenger.
Leptochromis Regan, 47; orthotype PARATILAPIA CALLIURA Boulenger.
Aulonocranus Regan, 47; orthotype PARATILAPIA DEWINDTI Boulenger.
Hemibates Regan, 49; orthotype PARATILAPIA STENOSOMA Boulenger.

2433. NICHOLS (1920). *A Contribution to the Ichthyology of Bermuda.* Proc. Biol. Soc. Wash., XXXIII, July 24, 1920, 59–64.

JOHN TREADWELL NICHOLS.

Bermudichthys Nichols, 62; orthotype B. SUBFURCATUS Nichols.

ADDITIONS AND CORRECTIONS

1817.

91. CUVIER (1817). *Règne Animal.* Ed. 1.

Myliobatis (Duméril) Cuvier, 137; logotype RAJA AQUILA L. As originally proposed MYLIOBATIS Duméril contained the same species as AËTOBATUS of Blainville (1916). A different type was assigned to the two by Müller & Henle (1838), who adopted both names, assigning an unwonted type to Blainville's genus. In strictness, MYLIOBATIS should be regarded as a synonym of AËTOBATUS and with RAJA AQUILA as the type of both, while RAJA NARINARI should stand as STOASODON Cantor.

1819.

103. RAFINESQUE (1819). *Prodrome,* etc.

Lepomis. The names LEPIDOPOMUS and LEPIOPOMUS have been produced by puristic emendations of this word. Other revisions of Rafinesque's "telescoped" Greek terms were proposed in 1878, as MYXOSTOMA for MOXOSTOMA, HOPLADELUS for OPLADELUS, ICHTHÆLURUS for ICTALURUS, ICHTHYOBUS for ICTIOBUS, PELODICHTHYS for PILODICTIS, etc.

1829.

136B. BANCROFT (1829). *Sea Devil,* etc.

Manta Bancroft, 444; orthotype M. AMERICANA Bancroft = 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.

Scorpis 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 TRYGONORRHINA 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). *Luspia Casotti, nuovo genere di pesci fossili della calcarea tenera leccese, Napoli.*

ORONZIO GABRIELE COSTA.

Luspia Costa; orthotype L. CASOTTI Costa (fossil). An ally of SERRANUS Cuv.

1861.

740. GÜNTHER (1861). *Catalogue of Fishes, III.*

Cyttus Günther, 396; orthotype CAPROS AUSTRALIS Rich.

1862.

782. GILL (1862). The genera LEPIDOPSETTA and HYPSOPSETTA date from this paper, page 330, not from 1864.

788. GÜNTHER (1862). *Catalogue, 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. APPELII 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 sulta vita e sui prodotti del mare, Genova.*

ENRICO HILLYER GIGLIOLI; RAFFAELE ISSEL.

Hymenocephalus Giglioli, 228; orthotype H. ITALICUS Giglioli.

1888.

1543. VAILLANT, p. 444.
Neostoma and **Eustomias** should be omitted. Both genera are of Filhol, 1884.

1894.

1689. BEAN, p. 463. Omit CYCLOPSETTA, a genus of Gill, of 1888.

1895.

1720. JORDAN (1895), p. 469. Add:
Garmannia Jordan, 495; orthotype GOBIUS PARADOXUS Gthr.

1896.

Omit 1755, p. 476; duplicated.

1898

1780. BOULENGER (1898). *Lake Tanganyika,* etc. Add:
Ectodus Boulenger, 21; logotype E. DESCAMPSI Boulenger.
Clariallabes Boulenger (1900); orthotype C. MELAS Boulenger. This generic name, omitted in the Zoological Record, I have failed to locate.

1900.

1848, etc. The name of Jacques Pellegrin should be spelled without the acute accent.

1901.

1883. TRAQUAIR (1901). *Notes,* etc.
Cœlacanthopsis Traquair, 113; orthotype C. CURTA Traquair (fossil).

1903.

1938. GILCHRIST. CYTTOSOMA should be omitted (see No. 1977).

1904.

1975. FOWLER.
Boulengerina, inserted here by error, should be omitted. Its type is DULES MATO Lesson. That of SAFOLE (No. 2084) is DULES TÆNIURUS.

Omit 1993, p. 510; duplicated.

1905.

2003. BLAKE (1905). *Monograph of the Fauna of the Cornbrash, Pisces.* Pal. Soc. Mon., LIX, 1–100.

J. F. BLAKE.

Macromesodon Blake, 32; orthotype GYRODUS MACROPTERUS Ag. Substitute for MESODON Wagner, preoccupied. A synonym of 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).

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