

A PRELIMINARY LIST OF THE FISHES OF THE WEST INDIES

By DAVID STARR JORDAN.

In this list I have endeavored to represent the present condition of our knowledge of the fish-fauna of the West Indies. I have included in it all species which have been accredited by good authority to the waters of the West Indies proper and the Bermudas, as well as to the Atlantic coasts of Mexico, Central America, Venezuela, and Guiana. I have excluded from it all species which have not yet been found farther south than the Florida Keys and the "Snapper Banks" of the Gulf, as well as all those as yet known only from Brazil, although, as a matter of course, many of each of these categories will be found to be genuine members of the West Indian fauna, the "Snapper Bank" fauna especially being entirely West Indian in its general character. In most of the families an attempt has been made to exclude purely nominal species, but in some groups (*Siluridae*, *Syngnathidae*, *Muraenidae*, etc.), in which no critical studies have yet been made, this has been impossible.

Throughout the list reference has been made to Günther's Catalogue of the Fishes of the British Museum, and in case of species described under one name or another in the writings of Professor Poey, this fact is indicated by the letter P.

It should be clearly understood that this is simply a preliminary list, which must needs be greatly modified when the species of the different groups receive thorough study. It is probable that comparatively few of the larger shore-fishes are to be added to the list, but of the smaller fishes, and especially of those found in deep water, it is not unlikely that the majority are still undescribed.

This list may be compared with a similar list of the species described from the Pacific Coast of Tropical America, published by me in these Proceedings for 1885, pp. 361-394.

In matters of nomenclature, I have endeavored to follow exactly the rules laid down in the code recently published by the American Ornithologists' Union, with the exception of Canons XVII and XVIII, both of which I repudiate, as likely to be productive only of confusion.

Family I.—BRANCHIOSTOMIDÆ.

1. BRANCHIOSTOMA Costa.

1. *Branchiostoma lanceolatum* (Pallas). (G. viii, 513.)

(*Branchiostoma caribæum* Sundevall; possibly a valid species.)

Family II.—HEXANCHIDÆ.

2. HEXANCHUS Rafinesque.

2. *Hexanchus griseus* (Gmelin). (G. viii, 397. P.)

Family III.—SQUALIDÆ.

3. **SQUALUS** (Linnæus) Rafinesque.3. **Squalus acanthias** L. (G. viii, 418. P.)4. **ETMOPTERUS** Rafinesque.

(Spinax Cuvier.)

4. **Etmopterus spinax** (Linnæus). (G. viii, 424. P.)

(Spinax hillianus Poey.)

Family IV.—SCYLLIORHINIDÆ.

5. **GINGLYMOSTOMA** Müller & Henle.5. **Ginglymostoma cirratum** (Gmelin). (G. viii, 408. P.)(? *Ginglymostoma fulvum* Poey: probably a color-variety.)

Family V.—GALEORHINIDÆ.

6. **GALEUS** (Rafinesque) Leach.

(Mustelus Cuvier.)

6. **Galeus canis** (Mitchill). (G. viii, 386. P.)7. **GALEOCERDO** Müller & Henle.7. **Galeocerdo maculatus** (Ranzani). (G. viii, 378. P.)

(Galeocerdo tigrinus Müller & Henle.)

8. **CARCHARHINUS** Blainville.

(Carcharias Cuvier: not of Rafinesque.)

♂ *Eulamia* Gill.8. **Carcharhinus lamia** (Risso). (G. viii, 372. P.)

(Eulamia longimana Poey.)

9. **Carcharhinus platyodon** (Poey). (P.)

(Eulamia obtusa Poey.)

10. **Carcharhinus falciformis** (Bibron). (P.)

(Squalus tiburo Poey: not of L.)

11. **Carcharhinus acronotus** (Poey). (P.)12. **Carcharhinus perezii** (Poey). (P.)13. **Carcharhinus porosus** (Ranzani). (G. viii, 365.)(? *Carcharias fissidens* Bennett, 1830; *Carcharias henlei* Valenciennes.)14. **Carcharhinus leucos** (Valenciennes).

(Carcharias leucos Val. in Müller & Henle, Plag. 42.)

15. **Carcharhinus remotus** (Valenciennes).

(Carcharias remotus Val. Duméril, Elasmobr., 1870, 34.)

16. **Carcharhinus maculipinnis** (Poey). (P.)

17. *Carcharhinus nicaraguensis* (Gill).(*Eulamia nicaraguensis* Gill, Proc. Ac. Nat. Sci., Phila.)§ *Hypoprion* Müller & Henle.18. *Carcharhinus brevirostris* (Poey). (G. viii, 362. P.)19. *Carcharhinus signatus* (Poey). (G. viii, 362. P.)20. *Carcharhinus longirostris* (Poey). (P.)§ *Isogomphodon* Gill.21. *Carcharhinus limbatus* (Müller & Henle). (G. viii, 373.)(*Carcharias mülleri* Steindachner; *Prionodon cucuri* Castelnau.)22. *Carcharhinus oxyrhynchus* (Müller & Henle). (G. viii, 375.)§ *Aprionodon* Gill.23. *Carcharhinus isodon* (Müller & Henle). (G. viii, 361. P.)(*Carcharias punctatus* Günther: not *Sq. punctatus* Mitchill.)§ *Scoliodon* Müller & Henle.24. *Carcharhinus terræ-novæ* (Richardson). (G. viii, 360. P.)(? *Squalus punctatus* Mitchill, the name *punctatus* preoccupied; *Carcharias*(*Scoliodon*) *lalandi* Müller & Henle; *Scoliodon porosus* Poey.)

Family VI.—SPHYRNIDÆ.

9. SPHYRNA Rafinesque.

§ *Reniceps* Gill.25. *Sphyrna tiburo* (Linnaeus). (G. viii, 382. P.)§ *Sphyrna*.26. *Sphyrna tudes* (Cuvier). (G. viii, 382.)27. *Sphyrna zygæna* (Linnaeus). (G. viii, 381. P.)

Family VII.—ALOPIIDÆ.

10. ALOPIAS Rafinesque.

28. *Alopias vulpes* (Gmelin). (G. viii, 393. P.)

Family VIII.—LAMNIDÆ.

11. ISURUS Rafinesque.

29. *Isurus dekayi* Gill. (P.)

Family IX.—PRISTIDIDÆ.

12. PRISTIS Latham.

30. *Pristis pectinatus* Latham. (G. viii, 437. P.)(? *Pristis acutirostris* Duméril.)31. *Pristis perrotteti* Müller & Henle. (G. viii, 466.)

Family X.—RHINOBATIDÆ.

13. RHINOBATUS Bloch & Schneider.

- 32.
- Rhinobatus spinosus*
- Günther. (G. viii, 513: "Mexico.")

Family XI.—RAJIDÆ.

14. RAJA Linnaeus.

- 33.
- Raja ackleyi*
- Garman. (Garman, Bull. Mus. Comp. Zoöl., xi, 255, 1881.)

Family XII.—TORPEDINIDÆ.

15. TORPEDO Duméril.

- 34.
- Torpedo occidentalis*
- Storer. (G. viii, 448. P.)

16. NARCINE Henle.

- 35.
- Narcine brasiliensis*
- (Olfers). (G. viii, 453.)

(Narcine umbrosa Jordan.)

Family XIII.—DASYATIDÆ.

17. UROLOPHUS Müller & Henle.

- 36.
- Urolophus torpedinus*
- (Desmarest). (G. viii, 485. P.)

18. DASYATIS Rafinesque.

- 37.
- Dasyatis say*
- (Le Sueur). (P.)

- 38.
- Dasyatis hastata*
- (De Kay). (G. viii, 476.)

- 39.
- Dasyatis tuberculata*
- (Lacépède). (G. viii, 480.)

19. TÆNIURA* Müller & Henle.

(? *Ellipesus* Schomburgk: *Potamotrygon* Garman.)

- 40.
- Tæniura dumérili*
- (Castelnau). (G. viii, 484.)

(? *Ellipesus* *spinicauda* Schomburgk.)

- 41.
- Tæniura motoro*
- (Müller & Henle). (G. viii, 484.)

- 42.
- Tæniura hystrix*
- (Müller & Henle). (G. viii, 482.)

(? *Pastinaca humboldti* Roulin.)

- 43.
- Tæniura magdalenæ*
- (Valenciennes).

(Duméril, Elasmobranches, 1870, 625: Steindachner, Zur Fisch-fauna des Magdalenen-Stromes, 1878, 56.)

20. PARATRYGON Duméril.

(Disceus Garman.)

- 44.
- Paratrygon strongylopterus*
- (Schomburgk). (G. viii, 476.)

* For an account of the species of these genera of fluviatile Sting-rays, *Tæniura* and *Paratrygon*, see Garman, Proc. Bost. Soc. Nat. Hist., 1877, 210, and Steindachner, Zur Fisch-fauna des Magdalenen-Stromes, 1878.

21. PTEROPLATEA Müller & Henle.

45. *Pteroplatea maclura* (Le Sueur). (G. viii, 487.)

Family XIV.—MYLIOBATIDÆ.

22. STOASODON Cauter.

46. *Stoasodon narinari* (Euphrasen). (G. viii, 492. P.)

23. MYLIOBATIS (Constant) Duméril.

47. *Myliobatis freminville* (Le Sueur). (G. viii, 488.)

48. *Myliobatis goodei* Garman.

(Garman, Proc. U. S. Nat. Mus., 1885, 39.)

Family XV.—MANTIDÆ.

24. MANTA Bancroft.

49. *Manta birostris* (Walbaum). (G. viii, 498. P.)

25. MOBULA Rafinesque.

(*Cephaloptera* Duméril preoccupied: *Dicerobatis* Blainville.)

50. *Mobula hypostoma* (Bancroft). (G. viii, 497. P.)

(*Cephaloptera olfersi* Müller.)

Family XVI.—CHIMÆRIDÆ.

26. CHIMÆRA Linnæus.

51. *Chimæra monstrosa* (Linnæus). (G. viii, 349. P.)

Family XVII.—LEPISOSTEIDÆ.

27. LEPISOSTEUS Lacépède.

52. *Lepisosteus tristœchus* (Bloch & Schneider). (G. viii, 329. P.)

(*Lepidosteus manjuari* Poey; *Lepisosteus spatula* Lacépède.)

Family XVIII.—SILURIDÆ.

28. GALEICHTHYS Cuv. & Val.

§ *Arius* Cuv. & Val.

53. *Galeichthys melanopus* (Günther). (G. v, 172.)

54. *Galeichthys variolosus* (Cuv. & Val.). (G. v, 173.)

55. *Galeichthys fissus* (Cuv. & Val.). (G. v, 172.)

(? *Pimelodus spixi* Agassiz; ? *Pimelodus albidus* Spix: the name *albidus* preoccupied.)

56. *Galeichthys arenatus* (Cuv. & Val.). (G. v, 172.)

57. *Galeichthys laticeps* (Günther). (G. v, 171.)

58. *Galeichthys nuchalis* (Günther). (G. v, 171.)
 59. *Galeichthys luniscutis* (Cuv. & Val.). (G. v, 152.)
 60. *Galeichthys parkeri* (Traill). (G. v, 152.)
 (*Arius quadriscutis* Cuv. & Val.)
 § *Hexanematicthys*,* *Netuma*, etc.
 61. *Galeichthys assimilis* (Günther). (G. v, 146.)
 62. *Galeichthys barbus* (Lacépède). (G. v, 143.)
 (*Pimelodus barbus* and *commersoni* Lacépède.)
 63. *Galeichthys herzbergi* (Bloch). (G. v, 144.)
 (*Bagrus caelestinus* Müller & Troschel.)
 64. *Galeichthys dubius* (Bleeker). (G. v, 144.)
 65. *Galeichthys mesops* (Cuv. & Val.). (G. v, 145.)
 66. *Galeichthys surinamensis* (Bleeker). (G. v, 148.)
 67. *Galeichthys proops* (Cuv. & Val.). (G. v, 148.)
 68. *Galeichthys passany* (Cuv. & Val.). (G. v, 149.)
 69. *Galeichthys emphysetus* (Müller & Troschel). (G. v, 150.)
 70. *Galeichthys albicans* (Cuv. & Val.). (G. v, 150.)
 (*Arius valenciennesi* Günther.)
 71. *Galeichthys flavescens* (Cuv. & Val.). (G. v, 151.)
 72. *Galeichthys temminckianus* (Cuv. & Val.). (G. v, 151.)
 73. *Galeichthys felis* (Linnæus). (G. v, 155, 173.)
 (*Arius milberti* Cuv. & Val.; *Arius equestris* Baird & Girard.)
 74. *Galeichthys rugispinis* (Cuv. & Val.). (G. v, 156.)
 (? *Galeichthys dieperinki* Bleeker.)
 75. *Galeichthys phrygiatus* (Cuv. & Val.). (G. v, 156.)
 76. *Galeichthys grandicassis* (Cuv. & Val.). (G. v, 153.)
 77. *Galeichthys stricticassis* (Cuv. & Val.). (G. v, 154.)

29. *ÆLURICHTHYS* Baird & Girard.

78. *Ælurichthys marinus* (Mitchill). (G. v, 178.)
 (*Galeichthys parrae* and *blochi* Cuv. & Val.)
 79. *Ælurichthys longispinis* Günther. (G. v, 178.)
 80. *Ælurichthys bagre* (Linnæus). (G. v, 178.)
 (*Galeichthys gronovii* C. & V.)

30. *PIMELODUS* Lacépède.

- § *Rhamdia* Bleeker. (= *Pimelonotus* Gill.)
 81. *Pimelodus wilsoni* (Gill). (G. v, 122.)

Family XIX.—LORICARIIDÆ.

31. *CALLICHTHYS* Gronow.

- (*Cataphractus* (Bloch) Lacépède: preoccupied in mammalia.)
 82. *Callichthys kneri* (Gill). (G. v, 227.)
 83. *Callichthys littoralis* Hancock. (G. v, 227.)
 (*Callichthys lavigatus* and *subulatus* C. & V.; *Hoplosternum stevardi* Gill.)
 84. *Callichthys thoracatus* Cuv. & Val. (G. v, 228.)

* Doubtful species are: *Bagrus pemecus* Cuv. & Val., and *Bagrus couma* Cuv. & Val. (G. v, 138.)

32. CORYDORAS Lacépède.

- 85.
- Corydoras æneus*
- Gill. (G. v, 230.)

33. PLECOSTOMUS (Artedi). Bleeker.(*Hypostomus* Cuv. & Val.: not of Lacépède.)

- 86.
- Plecostomus ? robbini*
- (Cuv. & Val.*) (G. v, 236.)

34. CHÆTOSTOMUS (Heckel) Tschudi.§ *Ancistrus* Kner.

- 87.
- Chætostomus guacharote*
- Cuv. & Val. (G. v, 245.)

- 88.
- Chætostomus trinitatis*
- Günther. (G. v, 246.)

Family XX.—ERYTHRINIDÆ.

35. ERYTHRINUS Gronow.

- 89.
- Erythrinus cinereus*
- Gill. (G. v, 283.)

36. MACRODON Müller & Troschel.

- 90.
- Macrodon ferox*
- Gill. (G. v, 281.)

37. STEVARDIA Gill.§ *Stevardia*.

- 91.
- Stevardia albipinnis*
- Gill. (G. v, 287.)

§ *Corynopoma* Gill.

- 92.
- Stevardia riisei*
- (Gill). (G. v, 287.)

- 93.
- Stevardia veedoni*
- (Gill). (G. v, 287.)

§ *Nematopoma* Gill.

- 94.
- Stevardia searlesi*
- (Gill). (G. v, 288.)

Family XXI.—CHARACINIDÆ.

38. CURIMATUS Cuvier.

- 95.
- Curimatus argenteus*
- Gill. (G. v. 344.)

39. TETRAGONOPTERUS (Artedi) Cuvier.§ *Astyanax* Baird & Girard.

- 96.
- Tetragonopterus brevoortii*
- (Gill). (G. v, 317.)

- 97.
- Tetragonopterus tæniurus*
- (Gill). (G. v, 317.)

- 98.
- Tetragonopterus pulcher*
- (Gill). (G. v, 317.)

§ *Hemigrammus* Gill.

- 99.
- Tetragonopterus unilineatus*
- (Gill.) (G. v, 317.)

**Hypostomus robbini* Gill, Ann. Lyc. Nat. Hist., vi, 46. According to Günther, this is probably a different species from that described by Valenciennes.

Family XXII.—ALBULIDÆ.

40. **ALBULA** Gronow.

- 100.
- Albula vulpes*
- (Linnaeus). (G. vii, 468. P.)

Family XXIII.—ELOPIDÆ.

41. **ELOPS** Linnaeus.

- 101.
- Elops saurus*
- Linnaeus. (G. vii, 470. P.)

42. **MEGALOPS** Lacépède.

- 102.
- Megalops atlanticus*
- Cuv. & Val. (G. vii, 472. P.)

Family XXIV.—CLUPEIDÆ.

43. **CLUPEA** Linnaeus.§ *Sardinia* Poey.

- 103.
- Clupea pseudohispanica*
- Poey. (G. vii, 442. P.)

- 104.
- Clupea apicalis*
- Müller & Troschel. (G. vii, 441.)

(? *Alosa bishopi* Müller & Troschel.)§ *Sardinella* Cuv. & Val.

- 105.
- Clupea anchovia*
- (Cuv. & Val). (G. vii, 421.)

§ *Harengula* Cuv. & Val.

- 106.
- Clupea sardina*
- Poey. (P.)

- 107.
- Clupea macrophthalma*
- Ranzani. (G. vii, 421.)

(*Clupea maculosa* C. & V.)

- 108.
- Clupea callolepis*
- (Goode).

(Goode, Proc. U. S. Nat. Mus., 1879, 152: Bermuda.)

- 109.
- Clupea clupeola*
- (Cuv. & Val). (G. vii, 422. P.)

(? *Harengula latulus* Cuv. & Val. ; *Harengula clupeola* Poey ; *Clupea humeralis* Gthr. ; ? *Alosa striata* Cuv. & Val.)

- 110.
- Clupea humeralis*
- (Cuv. & Val.) (P.)

(? *Harengula jaguana* Poey. ? *Harengula pensacolæ* Goode & Bean.)44. **OPISTHONEMA** Gill.

- 111.
- Opisthonema oglinum*
- (Le Sueur). (G. vii, 432. P.)

45. **BREVOORTIA** Gill.

- 112.
- Brevoortia tyrannus aurea*
- (Agassiz). G. vii, 437.)

46. **PELLONA** Cuv. & Val.

- 113.
- Pellona bleekeriana*
- Poey. (P.)

- 114.
- Pellona flavipinnis*
- Valenciennes. (G. vii, 464.)

47. **PRISTIGASTER** Cuvier.

- 115.
- Pristigaster cayanus*
- Cuvier. (G. vii, 463.)

(*Pristigaster martii* Agassiz ; *Pristigaster phæthon* Cuv. & Val.)

48. ODONTOGNATHUS Lacépède.

- 116.
- Odontognathus mucronatus*
- Lacépède. (G. vii, 462.)

49. CHIROCENTRODON Günther.

- 117.
- Chirocentrodon tæniatus*
- Günther. (G. vii, 463.)

50. DUSSUMIERIA Cuv. & Val.

- 118.
- Dussumieria*
- ?
- lamprotænia*
- . (Gosse). (G. vii, 465.)

Family XXV.—**STOLEPHORIDÆ.****51. STOLEPHORUS** Lacépède.

- 119.
- Stolephorus browni*
- (Gmelin). (G. vii, 389. P.)

- 120.
- Stolephorus perfasciatus*
- (Poey). (G. vii, 381. P.)

- 121.
- Stolephorus productus*
- (Poey). (G. vii, 388. P.)

- 122.
- Stolephorus argyrophanus*
- (Cuv. & Val.)

(? *Stolephorus eurystole* Swain & Meek.)

- 123.
- Stolephorus cubanus*
- (Poey). (P.)

- 124.
- Stolephorus mitchilli*
- (Cuv. & Val.) (? G. vii, 391.)

- 125.
- Stolephorus spinifer*
- (Cuv. & Val.) (G. vii, 394.)

- 126.
- Stolephorus surinamensis*
- (Bleeker). (G. vii, 393.)

- 127.
- Stolephorus chærostomus*
- (Goode).

(*Engraulis chærostomus* Goode, Am. Journ. Sci. Arts, 1874, 125, Bermuda.)**52. PTERENGRAULIS** Günther.

- 128.
- Pterengraulis atherinoides*
- (Linnæus). (G. vii, 398.)

53. LYCENGRAULIS Günther.

- 129.
- Lycengraulis grossidens*
- (Cuvier). (G. vii, 399.)

54. CETENGRAULIS Günther.

- 130.
- Cetengraulis edentulus*
- (Cuvier). (G. vii, 383. P.)

(*Cetengraulis brevis* Poey.)Family XXVI.—**ALEPISAUROIDÆ.****55. ALEPISAUROS** Lowe.(*Plagyodus* (Steller) Günther.)

- 131.
- Alepisaurus altivelis*
- Poey. (G. v, 423. P.)

(*Caulopus poeyi* (Gill.)Family XXVII.—**PARALEPIDIDÆ.****56. SUDIS** Rafinesque.

- 132.
- Sudis intermedius*
- Poey. (P.)

Family XXVIII.—SYNODONTIDÆ.*

57. **SYNODUS** Gronow.§ *Synodus*.

133. **Synodus** *foetens* (Linnæus). (G. v, 396.)
 134. **Synodus** *saurus* (Linnæus). (G. v, 394.)
 135. **Synodus** *spixianus* Poey. (G. v, 397. P.)
 136. **Synodus** *anolis* (Cuv. & Val.). (G. viii, 396. P.)
 (*Synodus cubanus* Poey.)
 137. **Synodus** *synodus* (Linnæus).
 (*Saurus intermedius* Spix; *Saurus atlanticus* Johnson.)
 138. **Synodus** *poeyi* Jordan. (P.)
 (*Synodus intermedius* Meek: not of Spix.)

§ *Trachinocephalus* Gill.

139. **Synodus** *myops* (Forster). (G. v, 398: 397. P.)
 (*Trachinocephalus brevirostris* Poey.)

58. **BENTHOSAURUS** Goode & Bean.

140. **Benthosaurus** *grallatus* Goode & Bean.
 (Goode & Bean, Bull. Mus. Comp. Zool., xii, 5, No. 169, 1886.)

Family XXIX.—SCOPELIDÆ.

59. **MYCTOPHUM** Rafinesque.

141. **Myctophum** *nocturnum* Poey. (P.)

Family XXX.—STOMIATIDÆ.

60. **ASTRONESTHES** Richardson.

142. **Astronesthes** *niger* Richardson. (G. v, 425.)
 143. **Astronesthes** *richardsoni* Poey. (P.)

Family XXXI.—CYPRINODONTIDÆ.

61. **HETERANDRIA** Agassiz.

(Girardinus Poey.)

144. **Heterandria** *uninotata* (Poey). (G. vi, 351. P.)
 145. **Heterandria** *metallica* (Poey). (G. vi, 351. P.)
 146. **Heterandria** *versicolor* (Günther). (G. vi, 352.)
 147. **Heterandria** *guppieri* (Günther). (G. vi, 353.)

* See a review of the American species of *Synodus* by Meek, Proc. Ac. Nat. Sci. Phila., 1884, 130.

62. LEBISTES De Filippi.

148. *Lebistes pæcilioides* De Filippi. (G. vi, 355.)

63. PÆCILIA Bloch & Schneider.

(*Limia* Poey.)

149. *Pæcilia vittata* Guichenot. (G. vi, 339, 340. P.)

(*Limia cubensis* Poey.)

150. *Pæcilia vivipara* Bloch & Schneider. (G. vi, 345.)

151. *Pæcilia melanogaster* Günther. (G. vi, 345.)

152. *Pæcilia dominicensis* Cuv. & Val. (G. vi, 346.)

153. *Pæcilia pavonina* (Poey). (P.)

64. ANABLEPS (Artedi) Bloch.

154. *Anableps anableps* (Linnæus). (G. vi, 337.)

(*Anableps tetraphthalmus* Bloch.)

155. *Anableps microlepis* Müller & Troschel. (G. vi, 338.)

(*Anableps coarctatus* and ? *A. elongatus* Cuv. & Val.)

65. GAMBUSIA Poey.

156. *Gambusia punctata* Poey. (G. vi, 334. P.)

157. *Gambusia puncticulata* Poey. (G. vi, 334. P.)

158. *Gambusia picturata* Poey. (P.)

159. *Gambusia melapleura* (Gosse). (G. vi, 317. Jamaica.)

66. BELONESOX Kner.

160. *Belonesox belizanus* Kner. (G. vi, 333.)

67. RIVULUS Poey.

161. *Rivulus cylindraceus* Poey. (G. vi, 327. P.)

162. *Rivulus marmoratus* Poey. (P.)

163. *Rivulus micropus* Steindachner. (G. vi, 327.)

164. *Rivulus elegans* Steindachner.

(Denkschr. Akad. Wiss. Wein, 1880, 33 Rio Cauca.)

68. FUNDULUS Lacépède.

165. *Fundulus fonticola* Cuv. & Val.

(Cuv. & Val., xviii, 198.)

166. *Fundulus bermudæ* Günther.

(Günther Ann. Mag. Nat. Hist., 1874. Bermuda: *Fundulus rhizophoræ* Goode;
Amer. Jour. Sci. Arts, 1877, 298.)

69. CYPRINODON Lacépède.

(*Trifarcus* Poey.)

167. *Cyprinodon variegatus riverendi* (Poey). (P.)

168. *Cyprinodon felicianus* (Poey). (P.)

169. *Cyprinodon martæ* Steindachner.

(Ichth. Beitr., iv, 62, 1875. Mouth of Rio Magdalena.)

Family XXXII.—GYMNOTIDÆ.

70. GITON (Kaup) Duméril.

(Carapus Müller & Troschel, not of Rafinesque.)

- 170.
- Giton fasciatus*
- (Pallas). (G. viii, 9.)

Family XXXIII.—SYMBRANCHIDÆ.

71. SYMBRANCHUS Bloch.

- 171.
- Symbranchus marmoratus*
- Bloch. (G. viii, 15. P.)

Family XXXIV.—MURÆNIDÆ.

72. ENCHELYCORE Kaup.

- 172.
- Enchelycore nigricans*
- (Bonnaterre). (G. viii, 135.)

73. CHANNOMURÆNA Richardson.

- 173.
- Channomuræna vittata*
- Richardson. (G. viii, 134. P.)
-
- (
- Channomuræna cubensis*
- Poey.)

74. ECHIDNA Forster.

(Pæcilophis Kaup.)

- 174.
- Echidna catenata*
- (Bloch). (G. viii, 130. P.)
-
- (
- Echidna flavofasciata*
- and
- fuscumaculata*
- Poey.)

PYTHONICHTHYS Poey.

- 175.
- Pythonichthys sanguineus*
- Poey. (G. viii, 126. P.)

75. SIDERA* Kaup.

(Gymnothorax Poey: not Bloch.)

- 176.
- Sidera funebris*
- (Ranzani). (G. viii, 123. P.)
-
- (
- Gymnothorax infernalis*
- Poey;
- Muræna afra*
- Günther, not Bloch;
- Gymnothorax erebus*
- Poey;
- Thyrsoidea concolor*
- Abbott.)

- 177.
- Sidera aterrima*
- (Kaup). (G. viii, 134.)

- 178.
- Sidera nigrocastanea*
- (Cope).
-
- (Cope, Trans. Am. Phil. Soc., 1870, 483.)

- 179.
- Sidera virescens*
- (Poey). (P.)

- 180.
- Sidera flavoscripta*
- (Poey). (P.)

- 181.
- Sidera vicina*
- (Castelnau). (G. viii, 121.)

- 182.
- Sidera polygonia*
- (Poey). (P.)

- 183.
- Sidera umbrosa*
- (Poey). (P.)

- 184.
- Sidera obscurata*
- (Poey). (P.)

* Many of the species of *Sidera* here admitted are of very doubtful value.

185. *Sidera miliaris* (Kaup). (G. viii, 100. P.)
 (*Gymnothorax scriptus* Poey; *Murænophis punctata* Castelnau, both these names preoccupied.)
186. *Sidera elaborata* (Poey). (P.)
 ? *Thyrsoidea flavopicta* Kaup; *Muræna multiocellata* Poey.)
187. *Sidera conspersa* (Poey). (P.)
188. *Sidera moringa* (Cuvier). (G. viii, 120. P.)
 (*Gymnothorax rostratus* Agassiz; ? *Gymnothorax versipunctatus* Poey; *Gymnothorax picturatus* Kaup.)
189. *Sidera maculipinnis* (Kaup).
190. *Sidera ocellata* (Agassiz). (G. viii, 102.)
191. *Sidera variegata* (Castelnau). (G. viii, 103.)
192. *Sidera sanctæ-helenæ* (Günther). (G. viii, 115.)

76. MURÆNA Linnæus.

193. *Muræna melanotis* (Kaup). (G. viii, 98.)

Family XXXV.—OPHISURIDÆ.

77. ICHTHYAPUS Barneville.

194. *Ichthyapus acutirostris* Barneville. (G. viii, 90.)

78. CÆCULA Vahl.

(*Sphagebranchus* Bloch.)

195. *Cæcula rostrata* (Bloch).
 (*Sphagebranchus rostratus* Bloch, Tafel 419. Surinam.)

79. OPHISURUS Lacépède.

(*Pisoodonophis* Kaup.)

196. *Ophisurus acuminatus* (Gronow). (G. viii, 83. P.)
 (*Ophisurus longus* Poey; ? *Pisoodonophis guttulatus* Kaup; ? *Ophichthys pisivarius* Poey.)
197. *Ophisurus pardalis* (Valenciennes). (G. viii, 82. P.)
 (*Pisoodonophis oculatus* Kaup; ? *Ophisurus latimaculatus* Poey.)
198. *Ophisurus breviceps* (Richardson). (G. viii, 82.)

80. OPHICHTHYS Ahl.

199. *Ophichthys ocellatus* (Le Sueur). (G. viii, 68.)
200. *Ophichthys triserialis* (Kaup). (G. viii, 58.)
201. *Ophichthys havanensis* (Bloch & Schneider). (G. viii, 67. P.)
 (*Uranichthys brachycephalus* Poey.)
202. *Ophichthys parilis* (Richardson). (G. viii, 59.)
203. *Ophichthys macrurus* (Poey). (P.)
204. *Ophichthys magniocularis* (Kaup). (G. viii, 59.)
205. *Ophichthys chrysops* (Poey). (G. viii, 60. P.)
 (? *Leptorhinophis gomesii* Kaup.)

206. *Ophichthys pauciporus* (Poey). (G. viii, 60. P.)
 207. *Ophichthys brachyurus* (Poey). (P.)
 (*Oxyodontichthys limbatus* Poey.)
 208. *Ophichthys puncticeps* (Kaup). (G. viii, 60.)
 209. *Ophichthys intertinctus* (Richardson). (G. viii, 57.)
 210. *Ophichthys punctifer* (Kaup). (G. viii, 56. P.)
 (*Macrodonophis mordax* Poey.)
 211. *Ophichthys schneideri* Steindachner.
 (Steindachner, Ichth. Beitr., viii, 67, 1879.)

Family XXXVI.—CONGRIDÆ.

81. **CHILORHINUS** Lütken.
 212. *Chilorhinus suenisoni* Lütken. (G. viii, 52. P.)
 82. **MYROPHIS** Lütken.
 213. *Myrophis punctatus* Lütken. (G. viii, 51, in part. P.)
 (*Myrophis microstigmus* Poey; ? *Myrophis lumbricus* Jordan & Gilbert, young.)
 83. **HOPLUNNIS** Kaup.
 214. *Hoplunnis schmidti* Kaup. (G. viii, 49.)
 84. **LEPTOCONGER** Poey.
 215. *Leptoconger perlongus* Poey. (P.)
 85. **MURÆNESOX** McClelland.
 (*Cynoponticus* Costa.)
 216. *Murænesox savanna* (Cuvier). (G. viii, 47. P.)
 (? *Murænesox curvidens* Richardson.)
 86. **CONGROMURÆNA** Kaup.
 (*Ophisoma* Swainson: preoccupied.)
 217. *Congromuræna balearica* (De la Roche). (G. viii, 41. P.)
 (? *Ophisoma impressa* Poey.)
 218. *Congromuræna analis* (Poey).
 87. **CONGER** Cuvier.
 219. *Conger conger* (Linnæus). (G. viii, 38. P.)
 (*Conger esculentus* Poey.)
 220. *Conger caudilimbatus* Poey. (G. viii, 40. P.)
 (*Conger macrops* Günther.)
 221. *Conger multidens* Castlenau. (G. viii, 40.)

Family XXXVII.—ANGUILLIDÆ.

88. **ANGUILLA** Thunberg.
 222. *Anguilla anguilla rostrata* (Le Sueur). (G. viii, 31, 32. P.)
 (*Anguilla cubana* Kaup.)
 222 (b). *Anguilla anguilla latirostris* (Risso). (G. viii, 32.)

Family XXXVIII.—BELONIDÆ.

89. TYLOSURUS Cocco

§ *Tylosurus*.

223. *Tylosurus notatus* (Poey). (G. vi, 248. P.)

224. *Tylosurus subtruncatus* (Poey). (P.)

(*Belone depressa* Poey; *Tylosurus sagitta* Jordan & Gilbert.)

225. *Tylosurus euryops* Bean & Dresel.

226. *Tylosurus diplotænia* (Cope.)

(Cope, Trans. Am. Phil. Soc., 1871, 481.)

227. *Tylosurus microps* (Günther). (G. vi, 237.)

228. *Tylosurus ardeola* (Cuv. & Val.). (G. vi, 235. ?)

(? *Belone cigonella* Cuv. & Val.; ?? *Belone argalus* Le Sueur; ? *Belone depressa* Günther, not of Poey.)

229. *Tylosurus almeida* (Quoy & Gaimard.)

(? ? *Esox brasiliensis* L.; *Belone timucu* Cuv. & Val.)

230. *Tylosurus galeatus* (Cuv. & Val.)

(Cuv. & Val., xviii, 429.)

231. *Tylosurus raphidoma* (Ranzani.)

(*Belone gerania* Cuv. & Val.; *Belone crassa* Poey; *Tylosurus gladius* Bean.)

232. *Tylosurus acus* (Lacépède.) (G. vi, 249. P.)

(? *Sphyræna acus* Lacépède; *Belone latimana* Poey; *Belone melanochira* Poey; *Belone jonesi* Goode; *Belone jonesi* Günther, ? *Esox imperialis* Rafinesque; ? *Tylosurus cantraini* Cocco.)

233. *Tylosurus caribæus* (Le Sueur). (G. vi, 241. P.)

(*Belone altipinna* Poey; ? same as preceding.)

§ *Athlennes* Jordan & Fordice.

234. *Tylosurus hians* (Cuv. & Val.). (G. vi, 248. P.)

(*Belone maculata* Poey.)

Family XXXIX.—SCOMBERESOCIDÆ.

90. HEMIRHAMPHUS* Cuvier.

§ *Hemirhamphus*.

235. *Hemirhamphus balao* Le Sueur. (G. vi, 269, 270.)

(*Hemirhamphus browni* and *pléci* Cuv. & Val.; *Hemirhamphus brasiliensis* Günther; *Hemirhamphus filamentosus* Poey; ? *Hyporhamphus macrochirus* Poey.)

§ *Hyporhamphus* Gill.

236. *Hemirhamphus unifasciatus* Ranzani. (G. vii, 262. P.)

(*Hemirhamphus fasciatus* Poey; *Hemirhamphus poeyi* Günther; *Hemirhamphus richardi* C. & V.; *Hyporhamphus tricuspidatus* Gill.)

236 (b). *Hemirhamphus unifasciatus roberti* Cuv. & Val. (G. vi, 262, 263. P.)

*For the synonymy of the species of this genus, see a paper by Meek and Goss, Proc. Ac. Nat. Sci. Phila., 1884; 220.

91. **EULEPTORHAMPHUS** Gill.

237. *Euleptorhamphus longirostris* (Cuvier). (G. vii, 276. P.)
(*Euleptorhamphus velox* Poey.)

92. **FODIATOR** Jordan & Meek.

238. *Fodiator acutus* (Cuv. & Val). (G. vi, 281.)

93. **PAREXOCÆTUS** Bleeker.

239. *Parexocætus mesogaster* (Bloch). (G. vi, 284. P.)

94. **HALOCYPSELUS** Weinland.

240. *Halocypselus evolans* (Linnæus). (G. vi, 281, 282. P.)

95. **EXOCÆTUS*** Linnæus.

241. *Exocætus exiliens* Gmelin.

(*Exocætus lamellifer* Kner & Steind. Neue Fische Goddeffr. Mus. 1866, 29.)

242. *Exocætus rondeleti* Cuv. & Val.

(*Exocætus volador* Jordan, Proc. U. S. Nat. Mus. 1884, 34.)

243. *Exocætus vinciguerræ* Jordan & Meek.

(Jordan & Meek, Proc. U. S. Mus. 1885. 56.)

244. *Exocætus volitans* Linnæus.

(G. vi, 287, 288.)

245. *Exocætus rufipinnis* Cuv. & Val. (G. vi, 294.)

(§ *Exocætus scylla* Cope.)

246. *Exocætus heterurus* Rafinesque. (G. vi, 293.)

247. *Exocætus furcatus* Le Sueur. (G. vi, 286.)

248. *Exocætus nigricans* Bennett. (G. vi, 290.)

249. *Exocætus bahiensis* Ranzani. (G. vi, 293, 294. P.)

(*Exocætus cyanopterus* Cuv. & Val.; *vermiculatus* Poey; ? *E. albidactylus* Gill.)

Family XL.—SYNGNATHIDÆ.

96. **SIPHOSTOMA*** Rafinesque.

250. *Siphostoma fistulatum* (Peters). (G. viii, 164.)

251. *Siphostoma affine* (Günther). (G. viii, 163.)

252. *Siphostoma cayennense* (Sauvage.)

(Bull. Sci. Philom. vi, 176, 1882, Cayenne.)

253. *Siphostoma rousseaui* (Kaup). (G. viii, 163.)

254. *Siphostoma jonesi* (Günther.)

(*Syngnathus jonesi* Günther, Ann. Mag. Nat. Hist. 1874, Bermuda.)

255. *Siphostoma pelagicum* (Osbeck). (G. viii, 165.)

256. *Siphostoma elucens* (Poey). (P.)

*For synonymy and characters of the species of *Exocætus*, see Jordan & Meek, Proc. U. S. Nat. Mus., 1885, 44.

†Several of the species here mentioned are extremely doubtful.

257. *Siphostoma flavirostre* (Poey). (P.)
 258. *Siphostoma picturatum* (Poey). (P.)
 259. *Siphostoma linea* (Poey). (P.)
 260. *Siphostoma marmoreum** (Poey). (P.)
 261. *Siphostoma ascendens* (Poey). (P.)
 262. *Siphostoma brachycephalum** (Poey). (P.)
 263. *Siphostoma crinigerum* Bean & Dresel.
 (Proc. Biol. Soc. Wash., 1884, 99.)
 264. *Siphostoma zatropis* Jordan & Gilbert. (G. viii, 170.)
 (? *Syngnathus albirostris* Kaup.)

97. SYNGNATHUS Linnæus (Rafinesque).

(*Nerophis* Rafinesque.)

265. *Syngnathus heckeli* (Kaup). (G. viii, 192.)
 266. *Syngnathus martinicensis* (Kaup.)

98. DORYRHAMPHUS Kaup.

§ *Doryichthys* Kaup.

267. *Doryrhampus lineatus* Kaup. (G. viii, 183.)

99. HIPPOCAMPUS Linnæus.

268. *Hippocampus punctulatus* Guichenot. (P.)
 269. *Hippocampus marginalis* Heckel.
 (Kaup, Lophobranchs, 15.)
 270. *Hippocampus fascicularis* Heckel.
 (Kaup, Lophobranchs, 15.)
 271. *Hippocampus stylifer* Jordan & Gilbert.
 (Proc. U. S. Nat. Mus., 1882, 265.)

Family XLI.—FISTULARIIDÆ.

100. FISTULARIA Linnæus.

272. *Fistularia tabaccaria* Linnæus. (G. iii, 529. P.)
 273. *Fistularia serrata* Cuvier. (G. iii, 533.)
 (Cuvier Règ. Anim.; Günther, Rept. Shore Fishes, Challenger, 1880, 69.)

Family XLII.—AULOSTOMIDÆ.

101. AULOSTOMA Lacépède.

274. *Aulostoma maculatum* Valenciennes. (G. iii, 536. P.)
 (*Aulostoma coloratum* M. & T.)
 275. *Aulostoma cinereum* Poey. (P.)

* Poey's name, *Syngnathus tenuis*, is preoccupied in this genus.

Family XLIII.—MACRORHAMPHOSIDÆ.

102. MACRORHAMPHOSUS Lacépède.

- 276.
- Macrorhamphosus scolopax*
- (Linnæus). (G. iii, 518.)

Family XLIV.—MUGILIDÆ.

103. MUGIL* Linnæus.

§ *Mugil*.

- 277.
- Mugil cephalus*
- Linnæus. (G. iii, 417, 420.)

(*Mugil albula* L.)

- 278.
- Mugil brasiliensis*
- Agassiz. (G. iii, 423. P.)

(*Mugil liza* Cuv. & Val.; *Mugil lebranchus* Poey.)

- 279.
- Mugil incilis*
- Hancock.

(Hancock. Lond. Quart. Journ. Sci., 1830, 127.)

- 280.
- Mugil gaimardianus*
- (Desmarest) Poey. (P.)

- 281.
- Mugil curema*
- C. & V. (G. iii, 431. P.)

(*Mugil brasiliensis* Günther, not of Agassiz.)

- 282.
- Mugil trichodon*
- Poey. (P.)

104. AGONOSTOMUS Bennett.

- 283.
- Agonostomus microps*
- (Günther). (G. iii, 462.)

- 284.
- Agonostomus monticola*
- (Bancroft). (G. iii, 464.)

- 285.
- Agonostomus percoides*
- Günther. (G. iii, 464.)

105. JOTURUS Poey.

- 286.
- Joturus pichardi*
- Poey. (P.)

(*Joturus stipes* Jordan & Gilbert.)

Family XLV.—ATHERINIDÆ.

106. ATHERINA Linnæus.

- 287.
- Atherina stipes*
- Müller & Troschel (G. iii, 400. P.)

(*Atherina laticeps* Poey; *Atherina relipana* Goode & Bean.)

- 288.
- Atherina microps*
- Poey. (P.)

- 289.
- Atherina harringtonensis*
- Goode.

107. MENIDIA Bonaparte.

- 290.
- Menidia martinica*
- (Cuv. & Val.). (G. viii, 395.)

- 291.
- Menidia brasiliensis*
- (Quoy & Gaimard). (G. iii, 404.)

(*Atherina macrophthalma* Agassiz.)

* For the synonymy of the species of *Mugil*, see Jordan & Swain, Proc. U. S. Nat. Mus., 1884.

Family XLVI.—SPHYRÆNIDÆ.

108. SPHYRÆNA Bloch.

292. *Sphyræna picuda* Bloch & Schneider. (G. ii, 336. P.)
 (*Sphyræna barracuda* Shaw.)
 293. *Sphyræna guachancho* Cuv. & Val. (P.)
 294. *Sphyræna picudilla* Poey. (P.)
 295. *Sphyræna sphyræna* Linnæus. (G. ii, 334.)

Family XLVII.—POLYNEMIDÆ.

109. POLYNEMUS Linnæus.

296. *Polynemus virginicus* Linnæus. (G. ii, 321. P.)
 (*Polydactylus plumieri* Lacépède.)
 297. *Polynemus oligodon* Günther. (G. ii, 322.)

110. PENTANEMUS (Artedi) Günther.

298. *Pentanemus quinquarius* (Linnæus). (G. ii, 331.)

Family XLVIII.—ECHENEIDIDÆ.

111. ECHENEIS Linnæus.

299. *Echeneis naucrates* Linnæus. (G. ii, 382, 384. P.)
 (*Leptecheneis*metallica* Poey.)

112. PHTHEIRICHTHYS Gill.

300. *Phtheirichthys lineatus* (Menzies). (G. ii, 382. P.)
 (*Echeneis apicalis* Poey; ? *Phtheirichthys sphyrænarum* Poey.)

113. REMORA Gill.

301. *Remora remora* (Linnæus). (G. ii, 378. P.)
 (*Echeneis postica* Poey.)

114. RHOMBOCHIRUS Gill.

302. *Rhombochirus osteochir* (Cuv. & Val.). (G. ii, 381. P.)
 (*Rhombochirus tetrapturorum* Poey.)

Family XLIX.—ELACATIDÆ.

115. ELACATE Cuvier.

303. *Elacate canada* (Linnæus). (G. ii, 375. P.)

Family L.—TRACHYPTERIDÆ.

116. TRACHYPTERUS Gonau.

304. *Trachypterus trachyurus* Poey. (P.)

Family LI.—REGALECIDÆ.

117. REGALECUS Brünnich.

- 305.
- Regalecus gladius*
- (Walbaum). (G. iii, 308.)

Family LII.—STYLEPHORIDÆ.

118. STYLEPHORUS Shaw.

- 306.
- Stylephorus chordatus*
- Shaw. (G. iii, 306.)

Family LIII.—XIPHIIDÆ.

119. XIPHIAS Linnæus.

- 307.
- Xiphias gladius*
- Linnæus. (G. ii, 511. P.)

120. TETRAPTURUS Rafinesque.

- 308.
- Tetrapturus albidus*
- Poey. (P.)

- 309.
- Tetrapturus amplus*
- Poey. (P.)

121. ISTIOPHORUS Lacépède.

- 310.
- Istiophorus americanus*
- Cuv. & Val. (P.)

Family LIV.—TRICHIURIDÆ.

122. TRICHIURUS Linnæus.

- 311.
- Trichiurus lepturus*
- Linnæus. (G. ii, 356.)

123. EVOXYMETOPON Poey.

- 312.
- Evoxymetopon tæniatus*
- Poey. (P.)

124. NEALOTUS Poey.

- 313.
- Nealotus ophidianus*
- Poey. (P.)

125. GEMPYLUS Cuv. & Val.

- 314.
- Gempylus serpens*
- (Solander). (G. ii, 352.)

126. THYRSITES Cuv. & Val.

- 315.
- Thyrsites niger*
- Poey. (P.)

127. RUVETTUS Cocco.

- 316.
- Ruvettus pretiosus*
- Cocco. (G. ii, 351. P.)

(Thyrsites scholaris Poey.)

- 317.
- Ruvettus*
- (?)
- prometheus*
- (Cuv. & Val.). (G. ii, 351. P.)

(Promethus atlanticus Poey: the generic name *Promethus* is preoccupied in Insects.)

128. **EPINNULA** Poey.

- 318.
- Epinnula magistralis*
- Poey. (G. ii, 349.)

Family LV.—**SCOMBRIDÆ**.129. **SCOMBER** Linnæus.(§ *Pneumatophorus* Jordan & Gilbert.)

- 319.
- Scomber colias*
- (Gmelin). (G. ii, 359, 361. P.)

130. **AUXIS** Cuv. & Val.

- 320.
- Auxis thazard*
- (Lacépède). (G. ii, 369.)

131. **SCOMBEROMORUS** Lacépède.

(Cybium Cuvier.)

- 321.
- Scomberomorus regalis*
- (Bloch). (G. ii, 372. P.)

- 322.
- Scomberomorus cavalla*
- (Cuvier). (G. ii, 373. P.)

132. **ACANTHOCYBIUM** Gill.

- 323.
- Acanthocybium solandri*
- (Cuv. & Val.). (G. ii, 373. P.)

(*Acanthocybium petus* Poey; *Cybium sara* Bennett.)133. **ORCYNUS** Cuvier.

- 324.
- Orcynus thynnus*
- (Linnæus). (G. ii, 362. P.)

- 325.
- Orcynus alalonga*
- (Gmelin). (G. ii, 366. P.)

- 326.
- Orcynus subulatus*
- Poey. (P.)

134. **EUTHYNNUS** Lütken.

- 327.
- Euthynnus alliteratus*
- (Rafinesque). (G. ii, 364. P.)

(*Orcynus thunnina* Poey.)

- 328.
- Euthynnus pelamys*
- (Linnæus.) (G. ii, 364. P.)

Family LVI.—**CARANGIDÆ**.135. **DECAPTERUS** Bleeker.

- 329.
- Decapterus punctatus*
- (Cuv. & Val.) (G. ii, 426. P.)

- 330.
- Decapterus sanctæ-helenæ*
- (Cuv. & Val.) (P.)

- 331.
- Decapterus macarellus*
- (Cuv. & Val.) (G. ii, 426. P.)

136. **TRACHURUS** Rafinesque.

- 332.
- Trachurus picturatus*
- (Bowdich).

(Jordan & Gilbert, * Proc. U. S. Nat. Mus., 1883, 191.)

- 333.
- Trachurus trachurus*
- (Linnæus).

137. **TRACHUOPS** Gill.

- 334.
- Trachuops crumenophthalmus*
- (Bloch). (G. ii, 429. P.)

* For the synonymy of all the American species of *Caranginae*, see the paper above mentioned.

138. **CARANX** Lacépède.? *Hemicaranx* Bleeker.

- 335.
- Caranx amblyrhynchus**
- . Cuv. & Val. (G. ii, 441. P.)

(*Caranx secundus* and *heteropygus* Poey.)§ *Uraspis* Bleeker.

- 336.
- Caranx ruber**
- (Bloch). (G. ii, 430. P.)

(*Caranx iridinus* Poey; *Caranx blochi* Cuv. & Val.)

- 337.
- Caranx bartholomæi**
- . Cuv. & Val. (P.)

(*Caranx cibi* Poey.)

- 338.
- Caranx dentex**
- Bloch & Schneider.

§ *Caranx*.

- 339.
- Caranx chrysos**
- (Mitchill). (G. ii, 445. P.)

(*Paratractus pisquetus* Poey.)

- 340.
- Caranx latus**
- Agassiz. (G. ii, 449. P.)

(*Caranx lepturus* Agassiz; *Caranx fallax* and *C. aureus* Poey.)

- 341.
- Caranx hippos**
- (Linnæus). (G. ii, 448.)

- 342.
- Caranx lugubris**
- Poey. (G. ii, 432. P.)

(*Caranx frontalis* Poey; *Caranx ascensionis* Cuv. & Val., not of Osbeck.)

- 343.
- Caranx ciliaris**
- (Bloch). (G. ii, 454, 455. P.)

(*Zeus crinitus* Mitchell; *Seyris analis* Poey; *Zeus gallus* Bloch, not of L.)

- 344.
- Caranx cubensis**
- (Poey). (P.)

139. **VOMER** Cuvier.

- 345.
- Vomer setipinnis**
- (Mitchill). (G. ii, 459. P.)

- 346.
- Vomer dorsalis**
- (Gill); (doubtful species). (G. ii, 459, var. B.)

140. **SELENE** Lacépède.

- 347.
- Selene vomer**
- (Linnæus). (G. ii, 458. P.)

141. **CHLOROSCOMBRUS** Girard.

- 348.
- Chloroscombrus chrysurus**
- (Linnæus). (G. ii, 460. P.)

142. **TRACHINOTUS*** Lacépède.

- 349.
- Trachinotus cayennensis**
- Cuv. & Val. (G. viii, 417.)

- 350.
- Trachinotus carolinus**
- (Linnæus). (G. ii, 484.)

- 351.
- Trachinotus rhodopus**
- Gill.

(Proc. Ac. Nat. Sci. Phila., 1863, 85.)

(*Trachinotus carolinus* Poey.)

- 352.
- Trachinotus falcatus**
- (Linnæus). (G. ii, 481. P.)

(*Trachinotus rhomboides* Bloch; *Labrus falcatus* L.; ? *Gasterosteus ovatus* L.)

- 353.
- Trachinotus glaucus**
- (Bloch). (G. ii, 483. P.)

143. **NAUCRATES** Rafinesque.

- 354.
- Naucrates ductor**
- (Linnæus). (G. ii, 374. P.)

*For synonymy of the species of *Trachinotus*, see Meek and Goss, Proc. Ac. Nat. Sci. Phila., 1884.

144. SERIOLA* Cuvier.

355. *Seriola zonata carolinensis* (Holbrook). (G. ii, 465. P.)
 (? *Seriola dubia* Poey.)
356. *Seriola dumerili* Risse. (G. ii, 462.)
- 356 (b). *Seriola dumerili lalandi* (Cuv. & Val.). (G. ii, 463. P.)
 (? *Seriola gigas* Poey.)
357. *Seriola proxima* Poey. (P.)
358. *Seriola coronata* Poey. (P.)
359. *Seriola semicoronata* Poey. (P.)
360. *Seriola rivoliana* Cuv. & Val. (G. ii, 464. P.)
 (*Seriola falcata* and *S. bonariensis* Cuv. & Val. : *Seriola ligulata* Poey.)
361. *Seriola fasciata* Bloch. (G. ii, 464. P.)

145. ELAGATIS Bennett.

(*Seriolichthys* Bleeker ; *Decaptus* Poey.)

362. *Elagatis pinnulatus* (Poey). (G. ii, 468.)

146. OLIGOPLITES Gill.

363. *Oligoplites saurus* (Bloch & Schneider). (G. ii, 475. P.)
 (*Oligoplites occidentalis* Poey.)
364. *Oligoplites saliens* (Bloch). (G. ii, 475.)

Family LVII.—POMATOMIDÆ.

147. POMATOMUS Lacépède.

365. *Pomatomus saltatrix* (Linnæus). (G. ii, 479. P.)

Family LVIII.—NOMEIDÆ.

148. NOMEUS Cuvier.

366. *Nomeus gronovii* (Gmelin). (G. ii, 487. P.)
 (*Nomeus oxyurus* Poey.)

Family LIX.—GRAMMICOLEPIDIDÆ. (?)

149. GRAMMICOLEPIS Poey.

367. *Grammicolepis brachiusculus* Poey. (P.)

Family LX.—STROMATEIDÆ.

150. STROMATEUS Linnæus.

§ *Rhombus* Lacépède.

368. *Stromateus paru* Linnæus. (G. ii, 399.)
 (*Stromateus alepidotus* (L.))
369. *Stromateus orbicularis* Guichenot.

* "These species of *Seriola* are probably reducible to three : *S. zonata*, *S. dumerili*, and *S. fasciata*, the latter being the young of *S. rivoliana*." (R. L. Green, MSS.)

Family LXI.—LAMPRIDIDÆ.

151. LAMPRIS Retzius.

- 370.
- Lampris guttatus*
- (Brünnich). (G. ii, 416. P.)

Family LXII.—PSENIDÆ. (?)

152. PSENES Cuv. & Val.

- 371.
- Psenes javanicus*
- Cuv. & Val. (G. ii, 494. P.)

- 372.
- Psenes regulus*
- Poey. (P.)

153. ANTIGONIA Lowe.

- 373.
- Antigonia capros*
- Lowe. (G. ii.)

(*Caprophonus aurora* Müller & Troschel.)

Family LXIII.—BRAMIDÆ.

154. BRAMA* Bloch & Schneider.

- 374.
- Brama agassizii*
- Poey. (P.)

- 375.
- Brama brevoortii*
- Poey. (P.)

- 376.
- Brama saussurii*
- Lunel. (P.)

Family LXIV.—PEMPHERIDÆ.

155. PEMPHERIS Cuv. & Val.

- 377.
- Pempheris schomburgki*
- Müller & Troschel. (P.)

(*Pempheris mülleri* Poey ; not of Klunzinger, a name of later date than that of Poey.)

- 378.
- Pempheris poeyi*
- Bean.

(Bean, Proc. U. S. Nat. Mus., 1885, 229.)

Family LXV.—CORYPHÆNIDÆ.

156. CORYPHÆNA Linnæus.

- 379.
- Coryphæna hippurus*
- Linnæus. (G. ii, 405. P.)

- 380.
- Coryphæna equisetis*
- Linnæus. (G. ii, 407. P.)

Family LXVI.—BERYCIDÆ.

157. POLYMIXIA Lowe.

(*Dinemus* Poey.)

- 381.
- Polymixia lowei*
- Günther. (G. i, 17. P.)

(*Dinemus venustus* Poey.)

* These species of *Brama* are of doubtful value. Possibly all are based upon forms of *B. raji*, but the anal rays in all are said to be fewer than in the latter species.

158. **BERYX** Cuvier.

- 382.
- Beryx decadactylus*
- Cuv. & Val. (G. i, 16. P.)

159. **ANOPLOGASTER** Günther.

- 383.
- Anoplogaster cornutus*
- (Cuv. & Val.). (G. i, 12.)

Family LXVII.—**HOLOCENTRIDÆ**.160. **HOLOCENTRUS*** (Artedi) Bloch.

- 384.
- Holocentrus ascensionis*
- (Osbeck). (G. i, 23. P.)

(*Holocentrum matajuelo* Poey; *Holocentrum pentacanthum*, *longipinne*, *rufum* and *sogo* authors.)

- 385.
- Holocentrum marianus*
- Cuv. & Val.

(Cuv. & Val. iii, 219.)

- 386.
- Holocentrus osculus*
- Poey. (P.)

(? *Holocentrum perlatus* Poey; *Holocentrum brachypterum* Poey.)

- 387.
- Holocentrus coruscus*
- Poey. (P.)

- 388.
- Holocentrus vexillarius*
- Poey. (P.)

(? *Holocentrum riparium* Poey.)

- 389.
- Holocentrus productus*
- Poey. (P.)

- 390.
- Holocentrus siccifer*
- Cope.

(Cope, Trans. Am. Philos. Soc., 1870, 465).

- 391.
- Holocentrus sancti-pauli*
- Günther.

(Günther, Shore Fishes Challenger 1880, 4, St. Paul's Rocks.)

161. **PLECTRYPOPS** Gill.

- 392.
- Plectrypops retrospinis*
- (Guichenot.)

(*Plectrypops prospinus* Poey.)

162. **MYRIPRISTIS** Cuvier.

- 393.
- Myripristis jacobus*
- Cuv. & Val. (G. i, 19. P.)

(*Myripristis lychnus* Poey; ? *Rhinoberyx chryseus* Cope, Trans. Am. Phil. Soc. 1870, 464.)

- 394.
- Myripristis trachypoma*
- Günther (G. i, 25. P.)

(*Myriopristis fulgens* Poey.)

Family LXVIII.—**CENTROPOMIDÆ**.163. **CENTROPOMUS** Lacépède.

- 395.
- Centropomus undecimalis*
- (Bloch). (G. i, 79. P.)

(*Centropomus appendiculatus* Poey.)

- 396.
- Centropomus pedimacula*
- Poey. (P.)

(*Centropomus medius* Günther.)

* *Holocentrum rostratum* Poey, probably a valid species, is preoccupied by *Holocentrus rostratus* Gronow, also a West Indian species. Several of the species here enumerated are very doubtful.

397. *Centropomus ensifer* Poey. (P.)
 (*Centropomus affinis* Steindachner.)
398. *Centropomus pectinatus* Poey. (P.)
399. *Centropomus parallelus* Poey. (P.)

Family LXIX.—SERRANIDÆ.

164. CENTROPRISTES Cuvier.

400. *Centropristes atrarius rufus* (Cuv. & Val.). (C. & V., ii, 47.)

165. DIPLECTRUM Holbrook.

401. *Diplectrum radiale* (Quoy & Gaimard). (G. ii, 83.)
 (*Centropristis ayresi* Steindachner; *C. macropoma* Gthr.: ? *Serranus bivittatus* C. & V.)
402. *Diplectrum formosum* (Linnæus). (G. ii, 83. P.)
 (*Centropristis radians* Quoy & Gaimard; *Serranus fascicularis* Cuv. & Val.)

166. SERRANUS Cuvier.

§ *Prionodes* Jenyns.

403. *Serranus flavescens* Cuv. & Val.
 (Cuv. & Val., vi, 506.)
404. *Serranus phœbe* (Poey). (G. i, 85. P.)
405. *Serranus brasiliensis* (Barneville). (G. i, 85.)
 (*Centropristis dispilurus* Günther, Proc. Zool. Soc. Lond., 1867, 99; *Centropristis subligarius* Cope.)
406. *Serranus tigrinus* (Bloch). (G. i, 85. P.)
 (*Serranus prasugiator* Poey.)
407. *Serranus tabacarius* (Cuv. & Val.). (G. i, 85. P.)
 (*Serranus jacome* Poey.)
408. *Serranus fuscus* (Poey). (P.)
 § *Mentiperca* Gill.
409. *Serranus luciopercanus* (Gill). (G. i, 84. P.)

167. HYPOPLECTRUS* Gill.

410. *Hypoplectrus puella* (Cuv. & Val.). (G. i, 155. P.)
 (? *Plectropoma vitulinum* Poey.)
411. *Hypoplectrus indigo* Poey. (G. i, 166. P.)
 (? *Hypoplectrus bovinus* Poey.)
412. *Hypoplectrus gummigutta* Poey. (G. i, 166. P.)
413. *Hypoplectrus guttavarius* Poey. (G. i, 166. P.)
 (*Plectropoma melanorhinum* Guichenot; *Hypoplectrus pinnivarius* Poey.)
414. *Hypoplectrus maculiferus* Poey. (P.)
415. *Hypoplectrus aberrans* Poey. (P.)
416. *Hypoplectrus nigricans* Poey. (P.)
417. *Hypoplectrus accensus* Poey. (P.)

* Most of the species of *Hypoplectrus* here mentioned are of very doubtful value.

418. *Hypoplectrus chlorurus* (Cuv. & Val.). (G. i, 167. P.)

(? *Hypoplectrus affinis* Poey.)

419. *Hypoplectrus crocotus* Cope.

(Cope, Trans. Am. Phil. Soc., 1870, 466.)

168. GONIOPLECTRUS Gill.

420. *Gonioplectrus hispanus* (Cuv. & Val.). (G. i, 165. P.)

169. ANTHIAS Bloch.

(*Aylopon* (Rafinesque) Guichenot.)

421. *Anthias martinicensis* (Guichenot).

(*Aylopon martinicensis* Guichenot, Ann. Soc. Linn, Maine et Loire, 1868, 6.)

170. PARANTHIAS Guichenot.

422. *Paranthias furcifer* (Cuv. & Val.). (G. i, 100. P.)

(*Brachyrhinus creolus* Gill.)

171. MYCTEROPERCA * Gill.

423. *Mycteroperca falcata* (Poey). (P.)

424. *Mycteroperca tigris* (Cuv. & Val.). (G. i, 112. P.)

425. *Mycteroperca interstitialis* (Poey). (P.)

426. *Mycteroperca calliura* (Poey). (P.)

427. *Mycteroperca dimidiata* (Poey). (P.)

428. *Mycteroperca microlepis* (Goode & Bean).

(*Trisotropis microlepis* and *stomias* Goode & Bean, Proc. U. S. Nat. Mus., 1879, 141; 1882, 427.)

429. *Mycteroperca scirenga* (Rafinesque). (G. i, 135, 143.)

430. *Mycteroperca bonaci* (Poey). (P.)

431. *Mycteroperca reticulata* (Gill).

(*Trisotropis reticulatus* Gill, Proc. Ac. Nat. Sci., Phila., 1865, 105.)

432. *Mycteroperca venenosa* (Linnaeus). (P.)

- 432 (b). *Mycteroperca venenosa apua* (Bloch). (G. i, 145. P.)

172. PROMICROPS Gill.

433. *Promicrops itaiara* (Lichtenstein). (G. i, 130. P.)

173. EPINEPHELUS† Bloch.

434. *Epinephelus nigritus* (Holbrook). (P.)

(*Centropistes merus* Poey.)

435. *Epinephelus morio* (Cuv. & Val.). (G. i, 142. P.)

436. *Epinephelus mystacinus* (Poey). (G. i, 109. P.)

437. *Epinephelus striatus* (Bloch). (G. i, 110. P.)

438. *Epinephelus niveatus* (Cuv. & Val.). (G. i, 130. P.)

(*Epinephelus flavolimbatus* Poey.)

*For the synonymy of the species of *Mycteroperca* and other genera related to *Epinephelus*, see Jordan & Swain. Proc. U. S. Nat. Mus., 1884, 358.

† *Serranus angustifrons* Steindachner, Verh. Zool. Bot. Gesell. Wien., 1864, 230, from Cuba, is a species of this genus, perhaps identical with *E. niveatus*.

439. *Epinephelus drummond-hayi* Goode & Bean. (Goode & Bean, Proc. U. S. Nat. Mus., 1878, 173.)

440. *Epinephelus catus* (Cuv. & Val.).

(*Serranus apua* C. & V., not of Bloch. (G. i, 140. P.)

441. *Epinephelus adscensionis* (Osbeck). (G. i, 142. P.)

174. **ALPHESTES** Bloch & Schneider.

442. *Alphestes afer* (Bloch). (G. i, 164. P.)

175. **ENNEACENTRUS** Gill.

§ *Petrometopon* Gill.

443. *Enneacentrus guttatus* (Linnæus). (G. i, 124. P.)

443 (b). *Enneacentrus guttatus coronatus* (Cuv. & Val.). (G. i, 124. P.)

§ *Enneacentrus*.

444. *Enneacentrus tæniops* (Cuv. & Val.). (G. i, 121.)

445. *Enneacentrus fulvus* (Linnæus). (P.)

445 (b). *Enneacentrus fulvus ruber* (Bloch & Schneider). (G. i, 120. P.)

445 (c). *Enneacentrus fulvus punctatus* (Linnæus). (P.)

§ *Menephorus* Poey.

446. *Enneacentrus dubius* (Poey). (P.)

(? *Menephorus punctatus* Poey.)

176. **DERMATOLEPIS** Gill.

447. *Dermatolepis inermis* (Cuv. & Val.). (G. i, 153. P.)

177. **CHORISTISTIUM** * Gill.

448. *Chorististium rubrum* Poey. (P.)

178. **LIOPROPOMA** * Gill.

449. *Liopropoma aberrans* Poey.

Family LXX.—**RHYPTICIDÆ**.

179. **RHYPTICUS** Cuvier.

§ *Rhypticus*.

450. *Rhypticus nigromaculatus* Steindachner.

(Ichth. Notiz. vi, 42.)

451. *Rhypticus saponaceus* (Bloch & Schneider). (G. i, 172.)

(*Eleutheractis coriaceus* Cope.)

452. *Rhypticus arenatus* Cuv. & Val.

(G. i, 173. Steindachner, Ichth. Notiz., vi, 42.)

§ *Promicropterus* Gill.

453. *Rhypticus bistrispinus* (Mitchill). (G. i, 173.)

(*Rhypticus maculatus* Holbrook; *Rhypticus pituitosus* Goode & Bean.)

* These genera, perhaps, do not belong to the Serranidæ.

Family LXXI.—PRIACANTHIDÆ.

180. PRIACANTHUS Cuvier.

454. *Priacanthus catalufa* Poey. (G. i, 215. P.)455. *Priacanthus arenatus* Cuv. & Val.

(Cuv. & Val. iii, 101.)

456. *Priacanthus cepedianus* Desmarest. (P.)457. *Priacanthus cruentatus* Lacépède. (P.)

181. PSEUDOPRIACANTHUS Bleeker.

458. *Pseudopriacanthus altus* (Gill). (P.)

Family LXXII.—LOBOTIDÆ.

182. LOBOTES Cuvier.

459. *Lobotes surinamensis* (Bloch). (G. i, 337. P.)

Family LXXIII.—GRAMMIDÆ.

183. GRAMMA Poey.

460. *Gramma loreto* Poey. (P.)

Family LXXIV.—SPARIDÆ.

184. LUTJANUS* Bloch.

461. *Lutjanus caxis* (Bloch & Schneider). (P.)

(Jordan & Swain, Proc. U. S. Nat. Mus., 1884, 435.)

462. *Lutjanus jocu* (Bloch & Schneider). (P.)

(Jordan & Swain l. c., 437.)

463. *Lutjanus griseus* (Linnæus). (G. i, 194.)464. *Lutjanus cyanopterus* (Cuv. & Val.). (P.)(*Lutjanus cubera* Poey; (*Genyorange canina* Steindachner, Ichth. Notizen. ix. 16, 1869; ? *Mesoprion pargus* C. & V.).465. *Lutjanus profundus* Poey. (G. i, 198. P.)466. *Lutjanus buccanella* (Cuv. & Val.). (G. i, 198. P.)467. *Lutjanus brachypterus* Cope.

(Cope, Trans. Am. Phil. Soc., 1871, 470; hybrid?)

465. *Lutjanus synagris* (Linnæus). (G. i, 202. P.)469. *Lutjanus ambiguus* Poey. (P). (hybrid?)470. *Lutjanus mahogoni* (Cuv. & Val.). (G. i, 203. P.)

* For the synonymy of the species of *Lutjanus* and related genera, see Jordan & Swain, Proc. U. S. Nat. Mus., 1884, 427.

471. Lutjanus aya (Bloch). (P.)(*Mesoprion rivanus* C. & V. *Lutjanus campechianus* Poey.)**472. Lutjanus analis** (Cuv. & Val.). (G. i, 209. P.)**473. Lutjanus lutjanoides** Poey. (P). (hybrid?)**185. OCYURUS** Gill.**474. Ocyurus chrysurus** (Bloch). (G. i, 186. P.)**186. RHOMBOPLITES** Gill.**475. Rhomboplites aurorubens** (Cuv. & Val.). (G. i, 207. P.)**187. APSILUS** Cuv. & Val.**476. Apsilus dentatus** Guichenot. (G. i, 188. P.)**188. APRION** Cuv. & Val.**477. Aprion macrophthalmus** (Müller & Troschel). (P.)

(Jordan & Swain, Proc. U. S. Nat. Mus., 1884, 467.)

189. ETELIS Cuv. & Val.**478. Etelis oculatus** (Cuv. & Val.). (G. i, 192. P.)**190. VERILUS** Poey.**479. Verilus sordidus** Poey. (P.)**191. DENTEX** Cuvier.**480. Dentex macronemus** Günther. (G. i, 380.)(*Dentex filamentosus* C. & V., not of Valenciennes nor of Rüppell.)**192. CONODON** Cuv. & Val.**481. Conodon nobilis** (Linnæus). (G. i, 304, 297.)**193. ORTHOPRISTIS** Girard.**482. Orthopristis chrysopterus** (Linnæus). (G. i, 301. P.)(*Orthopristis poeyi* Scudder.**483. Orthopristis bennetti** (Lowe). (G. i, 298.)(? *Pristipoma ronchus* Val.)**194. POMADASYS** Lacépède.**484. Pomadasys cultrifer** (Poey). (P.)(? *Pomadasys approximans* Bean & Dresel.)**485. Pomadasys productus** (Poey). (P.)**486. Pomadasys ramosus** (Poey). (P.)**487. Pomadasys viridensis** (C. & V.).**488. Pomadasys crocro** (C. & V.). (G. i, 296.)**489. Pomadasys boucardi** (Steindachner).

195. **ANISOTREMUS** Gill.

490. *Anisotremus serrula* (Cuv. & Val.). (G. i, 287. P.)
(? *Pristipoma auratum* C. & V.).
491. *Anisotremus bilineatus* (Cuv. & Val.). (G. i, 287. P.)
(? *Anisotremus trilineatus* Poey; *Pristipoma melanopteron* Cuv. & Val.)
492. *Anisotremus surinamensis* (Bloch). (G. i, 288.)
493. *Anisotremus obtusus* (Poey). (P.)
(*Hæmulon labridum* Poey.)
494. *Anisotremus virginicus* (Linnæus). (G. i, 288.)
(? *Anisotremus spleniatus* Poey.)

196. **GENYATREMUS** Gill.

495. *Genyatremus cavifrons* (Cuv. & Val.). (G. i, 286.)

197. **HÆMULON** * Cuvier.

§ *Hæmulon*.

496. *Hæmulon gibbosum* (Walbaum). (G. i, 311. P.)
497. *Hæmulon bonariense* Cuv. & Val. (G. i, 311. P.)
(*Hæmulon continuum* Poey.)
498. *Hæmulon parra* (Desmarest). (G. i, 310. P.)
(*Hæmulon acutum* Poey.)
499. *Hæmulon fremebundum* Goode & Bean.
(*Diabasis lateralis* Vaillant.)
500. *Hæmulon macrostoma* Günther. (G. i, 289.)
501. *Hæmulon carbonarium* Poey. (P.)
502. *Hæmulon melanurum* (Linnæus). (P.)
(*Hæmulon dorsale* Poey.)
503. *Hæmulon sciurus* (Shaw). (G. i, 306. P.)
(? *Hæmulon hians* Haly.)
504. *Hæmulon plumieri* (Lacépède). (G. i, 305. P.)
505. *Hæmulon flavolineatum* (Desmarest). (G. i, 312. P.)
§ *Brachygenys* Scudder.
506. *Hæmulon chrysargyreum* Günther. (G. i, 314. P.)
(*Hæmulon tæniatum* Poey.)
§ *Bathystoma* Scudder.
507. *Hæmulon rimator* Jordan & Swain. (G. i, 313. P.)
(? *Perca striata* L.)
508. *Hæmulon aurolineatum* Cuv. & Val. (G. i, 318. P.)
(*Hæmulon jeniguano* Poey.)
509. *Hæmulon quadrilineatum* Cuv. & Val. (G. i, 316. P.)
(? *Grammistes trivittatus* Bloch & Schneider.)

198. **CALAMUS**† Swainson.

510. *Calamus medius* Poey. (P.)

* For an account of the species of *Hæmulon* see Jordan & Swain, Proc. U. S. Nat. Mus., 1884, 281.

† See Jordan & Gilbert, Proc. U. S. Nat. Mus., 1884, 14.

511. *Calamus macrops* Poey. (P.)
 512. *Calamus penna* (Cuv. & Val.)
 (*Calamus milneri* Goode & Bean; ? *Calamus microps* Guichenot; ? *Grammateus humilis* Poey.)
 513. *Calamus bajonado* (Bloch & Schneider). (P.)
 (*Calamus plumatula* Guichenot.)
 514. *Calamus calamus* (Cuv. & Val.). (P.)
 (*Calamus orbitarius* Poey.)
 515. *Calamus proridens* Jordan & Gilbert. (P.)
 (Jordan & Gilbert, Proc. U. S. Nat. Mus., 1884, 15, 150.)
 516. *Calamus pennatula* Guichenot. (Guichenot, Revue des Pagels, 116.)

199. SPARUS Linnaeus.

(§ *Pagellus* Cuv. & Val.)

517. *Sparus mormyrus* Linnaeus. (G. i, 481.)
 (*Pagellus pernambucensis* C. & V.)

200. DIPLODUS* Rafinesque.

(*Sargus* Cuvier).

518. *Diplodus argenteus* (Cuv. & Val.). (P.)
 (*Sargus caudimacula* Poey.)
 519. *Diplodus sargus* (Gmelin). (G. i, 440.)
 (*Sargus rondeletii* C. & V.)

201. ARCHOSARGUS Gill.

520. *Archosargus probatocephalus aries* (Cuv. & Val.). (G. i, 449.)
 521. *Archosargus unimaculatus* (Bloch). (G. i, 446. P.)
 (*Sargus caribæus* Poey; *Sargus flavolineatus* Cuv. & Val.).
 522. *Archosargus tridens* (Poey). (P.)

202. LAGODON Holbrook.

523. *Lagodon rhomboides* (Linnaeus). (G. i, 447. P.)

203. BOOPS Cuvier.

(Box Cuv. & Val.)

524. *Boops carabaicus* (Günther). (G. i, 419.)

204. ERYTHRICHTHYS Temminck & Schlegel.

(*Inermia* Poey.)

525. *Erythrichthys vittatus* (Poey). (P.)

Family LXXV.—KYPHOSIDÆ.

205. KYPHOSUS Lacépède.

(*Pimelepterus* Lacépède.)

526. *Kyphosus sectatrix* (Linnaeus). (G. i, 497. P.)
 (*Pimelepterus bosqui* Lacépède; ? *Pimelepterus flavolineatus* Poey).

* *Diplodus capensis* Smith has been recorded from the Bermudas by Dr. Günther. This needs verification.

Family LXXVI.—CHEILODIPTERIDÆ.

206. **AMIA** Gronow.*(Apogon Lacépède=Monoprion Poey.)*§ *Amia*.527. *Amia imberbis* (Linnaeus). (G. i, 230.)528. *Amia maculata* Poey. (P.)529. *Amia binotata* Poey. (P.)530. *Amia pigmentaria* Poey. (P.)531. *Amia stellata* Cope. (Cope, Trans. Am. Phil. Soc., 1866, 400.)§ *Apogonichthys* Bleeker.532. *Amia puncticulata* (Poey). (P.)207. **AMIICHTHYS*** Poey, genus novum.533. *Amiichthys diapterus* Poey. (P.)208. **CHEILODIPTERUS** Lacépède.534. *Cheilodipterus affinis* Poey. (P.)209. **SPHYRÆNOPS** Gill.535. *Sphyrænops bairdianus* Poey. (P.)210. **SCOMBROPS** Temminck & Schlegel.*(Latebrus Poey.)*536. *Scombrops oculatus* (Poey). (P.)

Family LXXVII.—MULLIDÆ.

211. **UPENEUS** Cuvier.537. *Upeneus martinicus* Cuv. & Val. (G. i, 403.)*(Upeneus balteatus C. & V.=Upeneus flavovittatus Poey.)*538. *Upeneus maculatus* (Bloch). (G. i. 408. P.)*(Upeneus punctatus Cuv. & Val.)*212. **UPENEOIDES** Bleeker.539. *Upeneoides parvus* Poey. (P.)

Family LXXVIII.—SCIÆNIDÆ.

213. **EQUES** Bloch.§ *Eques*.540. *Eques lanceolatus* (Gmelin). (G. ii, 279. P.)541. *Eques punctatus* Bloch. (G. ii, 281. P.)

* *Amiichthys* Poey, MSS., genus novum, for the fish described with the specific name of *diapterus* in the Synopsis Pisc. Cub., p. 305. It is regarded by Poey as belonging to the *Cheilodipteridæ*.

542. *Eques pulcher* Steindachner.

(Ichth. Notizen, vi, 43.)

§ *Pareques* Gill.**543. *Eques acuminatus* Bloch & Schneider. (G. ii, 280. P.)****214. ODONTOSCION Gill.****544. *Odontoscion dentex* (Cuv. & Val.). (G. ii, 269. P.)****215. LARIMUS Cuvier & Valenciennes.**

(Monosira Poey; Amblyscion Gill.)

545. *Larimus breviceps* Cuv. & Val.. (G. ii, 268.)**546. *Larimus stahli* (Poey).**

(Monosira stahli Poey, Anales de Hist. Nat. Esp., 1881, 326.)

547. *Larimus batabanus* (Poey). (P.)**216. SCIÆNA Linnæus.**§ *Diplolepis** Steindachner.**548. *Sciæna surinamensis* (Bleeker).**

(Arch. Néerl. Sci. Exact. et Nat., viii, 458.)

549. *Sciæna magdalenæ* (Steindachner).

(Zur Fisch-Fauna des Magdalenen-Stromes, 1878, 6.)

550. *Sciæna monacantha* (Cope).

(Corvina monacantha Cope, Trans. Am. Phil. Soc., 1866, 402.)

§ *Bairdiella* Gill.**551. *Sciæna ronchus* (Cuv. & Val.). (G. i, 299.)****552. *Sciæna armata* (Gill).**

(Corvina acutirostris Steindachner, Zur Fisch-Fauna des Magdalenen-Stromes, 1878, 9.)

553. *Sciæna subæqualis* (Poey). (P.)§ *Stelliferus* Stark.†**554. *Sciæna microps* (Steindachner). (G. ii, 299.)**

(Steindachner, Ich. Notiz., i, 6.)

(Corvina stellifera Günther.)

555. *Sciæna stellifera* (Bloch).

(Corvina trispinosa C. & V.; Bodianus stellifer Bloch.)

(Steindachner, Ich. Notiz., i, 6.)

217. PACHYPOPS Gill.**556. *Pachypops trifilis* (Müller & Troschel). (G. i, 273.)****557. *Pachypops furcæus* (Lacépède).**

(Steindachner, Ichth. Beitr., viii, 12.)

(Corvina biloba Cuv. & Val.)

* *Sciæna rubella* Schomburgk: *Corvina grunniens* Schomburgk (Fish. Guiana, ii, 133, 136), are doubtful species of the group from rivers of Guiana. Still another species, allied to *Sciæna*, has been described by Dr. Gill as "*Plagioscion*," without specific name.

† It is possible that *Diplolepis*, *Bairdiella* and *Stelliferus* are valid genera, but their characters, if any exist, have not been pointed out.

218. **LEIOSTOMUS** Lacépède.

- 558.
- Leiostomus xanthurus*
- Lacépède. (G. i, 288.)

219. **MICROPOGON** Cuvier & Valenciennes.

- 559.
- Micropogon furnieri*
- (Desmarest). (P.)
-
- (Jordan, Proc. U. S. Nat. Mus., 1884, 36.)

220. **UMBRINA** Cuvier.

- 560.
- Umbrina broussonneti*
- Cuv. & Val. (G. i, 279.)
-
- (
- Umbrina coroides*
- Cuv. & Val.)

221. **MENTICIRRUS** Gill.

- 561.
- Menticirrurus arenatus*
- (Cuv. & Val.). (G. i, 276.)
-
- 562.
- Menticirrurus martinicensis*
- (Cuv. & Val.). (G. i, 277.)
-
- (
- Umbrina gracilis*
- Cuv. & Val.)

222. **NEBRIS** Cuvier & Valenciennes.

- 563.
- Nebria microps*
- Cuv. & Val. (G. ii, 316.)

223. **LONCHURUS** Bloch & Schneider.

- 564.
- Lonchurus lanceolatus*
- (Bloch). (G. i, 317.)
-
- (?
- Lonchurus depressus*
- Bloch & Schneider.)

224. **CYNOSCION** Gill.

- 565.
- Cynoscion obliquatum*
- (Sauvage). (Bull. Sci. Philom. iii, 209, 1879. Martinique.)
-
- 566.
- Cynoscion acoupa*
- (Lacépède). (G. ii, 309.)
-
- (
- Lutjanus cayennensis*
- Lac.:
- Otolithus toëroe*
- C. & V.:
- Apseudobranchus toëroe*
- Gill.)
-
- 567.
- Cynoscion leiarchus*
- (Cuv. & Val.). (G. ii, 308.)
-
- 568.
- Cynoscion virescens*
- (Cuv. & Val.).
-
- (
- Otolithus virescens*
- Cuv. & Val., v, 72.)
-
- 569.
- Cynoscion microlepidotum*
- (Cuv. & Val.). (G. ii, 311.)

225. **ANCYLODON** Cuv. & Val.

- 570.
- Ancylodon ancylodon*
- (Bloch & Schneider). (G. ii, 311.)
-
- (
- Ancylodon jaculidens*
- C. & V.)

226. **ISOPISTHUS** Gill.

- 571.
- Isopisthus parvipinnis*
- (Cuv. & Val.). (G. ii, 312.)

Family LXXIX.—POLYCENTRIDÆ.

227. **POLYCENTRUS** Müller & Troschel.

- 572.
- Polycentrus tricolor*
- Gill. (G. iii, 371.)

Family LXXX.—GERRIDÆ.

228. GERRES * Cuvier.

§ *Gerres*.573. *Gerres plumieri* Cuv. & Val. (G. iv, 253. P.)574. *Gerres brasiliensis* Cuv. & Val. (P.)(*Gerres patao* Poey.)§ *Moharra* Poey.575. *Gerres olisthostoma* Goode & Bean.

(Goode & Bean, Proc. U. S. Nat. Mus., 1882, 423.)

576. *Gerres rhombeus* Cuv. & Val.

(Evermann & Meek, Proc. Ac. Nat. Sci. Phila., 1883, 123.)

§ *Diapterus* Ranzani.577. *Gerres cinereus* (Walbaum). (G. iv, 254. P.)(*Gerres aprion* Cuv. & Val. : *Gerres zebra* Müller & Troschel.)578. *Gerres gula* Cuv. & Val. (G. iv, 255. P.)(*Eucinostomus gulula* Poey.)579. *Gerres gracilis* (Gill). (G. iv, 255.)

(Evermann & Meek, Proc. Ac. Nat. Sci. Phila., 1883, 118.)

580. *Gerres dowi* (Gill.)

(Evermann & Meek, l. c. 120.)

581. *Gerres pseudogula* (Poey). (P.)(*Gerres jonesi* Günther.)582. *Gerres lefroyi* (Goode). P.(*Eucinostomus productus* Poey ; *Diapterus lefroyi* Goode, Am. Journ. Sci. Arts, 1874, 123.)

Family LXXXI.—LABRIDÆ.

229. LACHNOLAIMUS Cuvier & Valenciennes.

583. *Lachnolaimus maximus* (Walbaum). (G. iv, 87. P.)(*Lachnolæmus falcatus*, *suillus*, etc., of authors.)

230. BODIANUS Bloch.

(*Harpe* Lacépède ; *Cossyphus* Cuvier.)584. *Bodianus rufus* (Linnæus). (G. iv, 108. P.)585. *Bodianus pulchellus* Poey. (G. iv, 108. P.)

231. DECODON Günther.

586. *Decodon puellaris* (Poey). (G. iv, 101. P.)

232. CLEPTICUS Cuvier.

587. *Clepticus genizara* Cuvier. (G. iv, 112. P.)

* For the synonymy of the species of *Gerres*, see papers by Evermann & Meek in Proc. Ac. Nat. Sci. Phila. for 1883 and 1885.

233. PLATYGLOSSUS * Bleeker.§ *Chærojulis* Gill.

588. *PlatyGLOSSUS radiatus* (Linnæus). (G. iv, 161. P.)
 589. *PlatyGLOSSUS dimidiatus* (Agassiz). (G. iv, 164. P.)
 590. *PlatyGLOSSUS garnoti* (Cuv. & Val.). (G. iv, 162, 163. P.)
 591. *PlatyGLOSSUS bivittatus* (Bloch). (G. iv, 164. P.)
 592. *PlatyGLOSSUS maculipinna* (Müller & Troschel). (G. iv, 165. P.)
 593. *PlatyGLOSSUS caudalis* (Poey). (G. iv, 166. P.)

234. THALASSOMA Swainson.

594. *Thalassoma bifasciatum* (Bloch). (G. iv, 186. P.)
 (*Julis gillianus* Poey; *Julis detorsor* Cuv. & Val.)
 595. *Thalassoma nitidum* (Günther). (G. iv, 190.)
 (? *Julis nitidissima* Goode.)

235. XYRICHTHYS Cuvier.

596. *Xyrichthys psittacus* (Linnæus). (P.)
 (*Coryphæna lineata* Gmelin; *Xyrichthys vermiculatus* Poey.)
 597. *Xyrichthys venustus* Poey. (G. iv, 171.)
 (*Xyrichthys lineatus* C. & V.)
 598. *Xyrichthys martinicensis* (Cuv. & Val.). (G. iv, 171.)
 (*Xyrichthys vitta* C. & V.)
 599. *Xyrichthys modestus* Poey. (P.)

236. DORATONOTUS Günther.

600. *Doratonotus megalepis* Günther. (G. iv, 124.)
 (? *Doratonotus thalassinus* Jordan & Gilbert.)

237. CRYPTOTOMUS Cope.†

(Callyodon Cuvier: not of Bloch & Schneider nor of Gronow.)

601. *Cryptotomus dentiens* (Poey). (P.)
 (? *Calliodon retractus* Poey.)
 602. *Cryptotomus ustus* (Cuv. & Val.). (G. iv, 214.)
 603. *Cryptotomus auropunctatus* (Cuv. & Val.). (G. iv, 214.)
 604. *Cryptotomus roseus* Cope.
 (Cope Trans. Am. Phil. Soc., 1871. 462.)
 605. *Cryptotomus beryllinus* Jordan & Swain.
 (Jordan & Swain, Proc. U. S. Nat. Mus., 1884, 101.)

238. CALLYDONTICHTHYS Bleeker.

606. *Callyodontichthys bleekeri* Steindachner.
 (Steindachner. Ichthyol. Mittheil, v, 1862; *Callyodon flavescens* C. & V., not
Scarus flavescens Bloch & Schneider.)

* For a review of the species of this genus, see Jordan & Hughes, Proc. U. S. Nat. Mus., 1886.

† For an account of some of the Scaroid fishes, see Jordan & Swain, Proc. U. S. Nat. Mus., 1884, 81.

239. SPARISOMA* Swainson.

(Scarus Bleeker; not of Gronow, nor of Forskål.)

607. *Sparisoma radians* (Cuv. & Val.). (G. iv, 211.)
608. *Sparisoma xystrodon* Jordan & Swain.
(Jordan & Swain l. c. 99.)
609. *Sparisoma hoplomystax* (Cope.)
(*Scarus hoplomystax* Cope, Trans. Am. Philos. Soc., 1871, 462.)
610. *Sparisoma lacrimosum* (Poey). (P.)
611. *Sparisoma atomarium* (Poey). (P.)
612. *Sparisoma abildgaardi* (Bloch). (G. iv, 209. P.)
(*Scarus oxybrachius* Poey.)
613. *Sparisoma aurofrenatum* (Cuv. & Val.). (G. iv, 212. P.)
(*Scarus miniofrenatus* Poey.)
614. *Sparisoma lorito* Jordan & Swain.
(Jordan & Swain, l. c. 95.)
615. *Sparisoma chrysopterus* (Bloch & Schneider). (G. iv, 12. P.)
(*Scarus lateralis* Poey.)
616. *Sparisoma distinctum* (Poey). (G. iv, 210.)
(*Scarus frondosus* Günther, not C. & V.)
617. *Sparisoma brachiale* (Poey.)
618. *Sparisoma circumnotatum* (Poey). (P.)
619. *Sparisoma emarginatum* (Poey). (P.)
620. *Sparisoma flavescens* (Bloch & Schneider). (G. iv, 211, 212. P.)
(*Scarus squalidus* Poey; ? *Scarus truncatus* Poey; *Scarus rubripinnis* C. & V.;
? *Scarus virens* C. & V.; *Scarus frondosus* Cuv.)
621. *Sparisoma aracanga* (Günther). (G. iv, 209.)
(*Scarus aracanga* Günther.)
622. *Sparisoma viride* Bonnaterre. (G. iv, 210. P.)
(*Scarus viridis* Bonnaterre, 1788, not of Bloch 1790; *Scarus catesbæi* Lacépède.)

240. CALLIODON Gronow.

(Scarus Forskål, not of Gronow, which is *Labrus* L.)(Hemistoma Swainson; *Pseudoscarus* Bleeker.)

623. *Calliodon punctulatus* (Cuv. & Val.). (G. iv, 226. P.)
(? *Scarus diadema* Cuv. & Val.)
624. *Calliodon tæniopterus* (Desmarest). (G. iv, 225. P.)
(*Pseudoscarus psittacus* Günther, not *psittacus* L., nor of Forskål; *Scarus virginalis* Jordan & Swain.)
625. *Calliodon vetula* (Bloch & Schneider). (G. iv, 218. P.)
(*Scarus superbus* Poey.)
626. *Calliodon flavomarginatus* (Cuv. & Val.). (C. & V., xiv, 202.)
627. *Calliodon croicensis* (Bloch). (G. iv, 226. P.)
(*Pseudoscarus sanctæ-crucis* and *Ps. lineolatus* Poey.)
628. *Calliodon cœruleus* (Bloch). (G. iv, 227. P.)
(*Scarus obtusus* and *nuchalis* Poey.)

**Scarus spinidens* Guichenot, Scaridés 15, is a species of *Sparisoma*, but the name is preoccupied by Quoy & Gaimard.

629. *Calliodon quadrispinosus* (Cuv. & Val.). (C. & V., xiv, 197.)
 630. *Calliodon pleianus* (Poey).
 (*Scarus guacamaia* C. & V., not of Cuvier.)
 631. *Calliodon trispinosus* (Cuv. & Val.). (Cuv. & Val., xiv, 182.)
 682. *Calliodon guacamaia* (Cuvier). (G. iv, 233. P.)
 (*Scarus turchesius* Cuv. & Val.)
 633. *Calliodon cœlestinus* (Cuv. & Val.). (P.)
 (Cuv. & Val., xiv, 180.)
 634. *Calliodon simplex* (Poey). (P.)
 (? *Pseudoscarus aracanga* Günther.)
 635. *Calliodon rostratus* (Poey). (P.)
 636. *Calliodon acutus* (Poey). (P.)
 (? *Scarus gnathodus* Poey.)

Family LXXXII.—CICHLIDÆ.

241. *ASTRONOTUS** Swainson.

§ ———

637. *Astronotus pulcher* (Gill). (G. iv, 280.)
 § *Cichlasoma* Swainson.
 638. *Astronotus bimaculatus* (Linnaeus). (G. iv, 276.)
 639. *Astronotus tetracanthus* (Cuv. & Val.) (G. iv, 282. P.)
 (*Chromis fuscomaculatus* Guichenot.)
 640. *Astronotus adpersus* (Günther). (G. iv, 282.)

242. *CRENICICHLA* Heckel.

641. *Crenicichla frenata* Gill. (G. iv, 308.)

Family LXXXIII.—POMACENTRIDÆ.

243. *POMACENTRUS* Lacépède.

642. *Pomacentrus fuscus* Cuv. & Val. (G. iv, 31.)
 643. *Pomacentrus rectifrænum* GÜL. (G. iv, 26.)
 (Young of *P. fuscus*?)
 644. *Pomacentrus leucostictus* Müller & Troschel. (G. iv, 31.)
 645. *Pomacentrus obscuratus* Poey. (P.)
 (Young of *P. atrocyaneus*?)
 646. *Pomacentrus atrocyaneus* Poey. (P.)
 (? *Pomacentrus analis* Poey.)
 647. *Pomacentrus otophorus* Poey. (G. iv, 32. P.)
 648. *Pomacentrus xanthurus* Poey. (G. iv, 32. P.)
 649. *Pomacentrus caudalis* Poey. (P.)
 650. *Pomacentrus dorsopunicans* Poey. (P.)
 651. *Pomacentrus partitus* Poey. (P.)
 652. *Pomacentrus niveatus* Poey. (P.)
 653. *Pomacentrus planifrons* Cuv. & Val. (G. iv, 33.)

* *Astronotus* Swainson = *Hygrogonus* Günther = *Acara* (Heckel) Gill. According to Steindachner this group should be united with *Heros*, *Acara*, and *Uaru*, in a single genus.

244. GLYPHIDODON Lacépède.

654. *Glyphidodon saxatilis* (Linnæus). (G. iv, 35. P.)
 655. *Glyphidodon rudis* Poey. (G. iv, 37. P.)
 656. *Glyphidodon taurus* Müller & Troschel. (G. iv, 37.)
 657. *Glyphidodon declivifrons* (Gill). (G. iv, 37, 38.)
 (*Euschistodus concolor* Gill.)

245. MICROSPATHODON Günther.

658. *Microspathodon chrysurus* (Cuv. & Val.). (G. iv, 57. P.)
 (*Pomacentrus denegatus* Poey.)

246. CHROMIS Cuvier.

659. *Chromis insolatus* (Cuv. & Val.). (G. iv, 61.)
 660. *Chromis punctus* (Poey). (G. iv, 64. P.)
 661. *Chromis cyaneus* (Poey). G. iv, 64. P.)
 (*Heliasis multilineata* Guichenot in part; name and coloration from *Kyphosus sectatrix*.)

Family LXXXIV.—EPHIPPIDÆ.

247. CHÆTODIPTERUS Lacépède.

662. *Chætodipterus faber* (Broussonet). (G. iv, 61. P.)

Family LXXXV.—CHÆTODONTIDÆ.

248. CHÆTODON Linnæus.

663. *Chætodon ocellatus** Bloch. (G. ii, 9. P.)
 (*Chætodon bimaculatus* Bloch; *Sarothrodus maculocinctus* Gill.)
 664. *Chætodon sedentarius* Poey. (G. ii, 20. P.)
 (*Chætodon gracilis* Günther.)
 665. *Chætodon striatus* Linnæus. (G. ii, 8. P.)
 666. *Chætodon capistratus* Linnæus. (G. ii, 12. P.)
 667. *Chætodon atæniatus* Poey. (P.)
 668. *Chætodon aya* Jordan.

249. PROGNATHODES Gill.

669. *Prognathodes aculeatus* (Poey). (G. iv, 38. P.)
 (*Chelmo pelta* Günther.)

250. HOLACANTHUS Lacépède.

670. *Holacanthus ciliaris* (Linnæus). (G. ii, 46. P.)
 671. *Holacanthus tricolor* (Bloch). (G. ii, 49. P.)

* *Sarothrodus amplexicollis* Poey is the larval ("Tholichthys") form of some species of *Chætodon* (probably *Ch. ocellatus*).

251. **POMACANTHUS** Lacépède.672. **Pomacanthus arcuatus** (Linnæus). (P.)(? *Chætodon littoricola* Poey.)673. **Pomacanthus aureus** (Bloch). (P.)(Lütken, *Spolia Atlantica*, 571.)Family LXXXVI.—**ACANTHURIDÆ**.252. **ACANTHURUS*** Forskål.

(Aconurus Günther.)

74. **Acanthurus cœruleus** (Bloch). (G. iii, 336. P.)(*Acanthurus brevis* Poey; *Aconurus cœruleatus* Poey.)675. **Acanthurus tractus** Poey. (P.)(*Aconurus nigriculus* Poey.)676. **Acanthurus hepatus** (Linnæus). (G. iii, 329. P.)(*Acanthurus chirurgus* and *phlebotomus* Cuv. & Val.; *Aconurus carneus* Poey.)Family LXXXVII.—**MALACANTHIDÆ**.253. **MALACANTHUS** Cuvier.677. **Malacanthus plumieri** (Bloch). (G. iii, 359. P.)254. **CAULOLATILUS** Gill.678. **Caulolatilus chrysops** (Cuv. & Val.). (G. iii, 253.)679. **Caulolatilus cyanops** (Poey). (P.)Family LXXXVIII.—**GOBIIDÆ**.255. **GOBIOMORUS**† Lacépède.680. **Gobiomorus dormitor** (Lacépède). (G. iii, 119. P.)681. **Gobiomorus longiceps** (Günther).

(Günther, Proc. Zool. Soc. Lond., 1864, 151, Nicaragua.)

256. **DORMITATOR** Gill.682. **Dormitator maculatus** (Bloch). (G. iii, 112. P.)257. **GUAVINA** Bleeker.683. **Guavina guavina** (Cuv. & Val.). (G. iii, 124. P.)

* See Meek and Hoffman, Proc. Ac. Nat. Sci. Phila., 1884, for the synonymy of the species of this genus.

† See Eigenmann and Fordice, Proc. Ac. Nat. Sci. Phila., 1885, for the synonymy of the *Eleotridinæ*.

258. **ELEOTRIS** Gronow.

(Culius Bleeker.)

684. **Eleotris amblyopsis** (Cope).

(Culius amblyopsis Cope, Proc. Am. Phil. Soc., 1870, 473.)

685. **Eleotris pisonis** (Gmelin). (G. iii, 122. P.)

(Eleotris gyrimus Cuv. & Val.; Culius perniger Cope.)

686. **Eleotris belizana** Sauvage.

(Sauvage, Bull. Sci. Philom. Paris, 1879, 16.)

259. **EROTELIS** Poey.687. **Erotelis smaragdus** (Cuv. & Val.). (G. iii, 123. P.)

(Erotelis valenciennesi Poey.)

260. **SICYDIUM** Cuvier & Valenciennes.688. **Sicydium plumieri** (Bloch). (G. iii, 92. P.)

(Sicydium siragus Poey; ? Sicydium antillarum Ogilvie-Grant.)

261. **EVORTHODUS** Gill.689. **Evorthodus breviceps** Gill. (G. iii, 85.)262. **CHONEPHORUS** Poey.

(? Rhinogobius Gill.)

690. **Chonephorus taiasica** (Lichtenstein). (G. iii, 159. P.)

(Gobius banana and martinicus C. & V.; Gobius dolichocephalus Cope; Chonephorus bucculentus, and Ch. contractus Poey.)

691. **Chonephorus flavus** (Cuv. & Val.).263. **LOPHOGOBIUS** Gill.692. **Lophogobius cyprinoides** (Pallas). (G. iii, 8. P.)264. **GOBIUS** Linnæus.

§ Gobius.

693. **Gobius soporator** Cuv. & Val. (G. iii, 26. P.)

(Gobius mapo and lacertus Poey; Gobius bishopi Müller & Troschel.)

§ Ctenogobius* Gill.

694. **Gobius poeyi** Steindachner.

(Ichth. Beitr., vi, 44.)

695. **Gobius fasciatus** Gill. (G. iii, 34.)696. **Gobius kraussi** Steindachner.

(Ichth. Beitr., viii., 18.)

§ Euctenogobius Gill.

697. **Gobius strigatus** (O'Shaughnessy).

(Euctenogobius strigatus O'Shaugh. Am. Nat. Hist., xv, 146, 1875.)

§ Gobileptes Swainson.

698. **Gobius stigmaticus** Poey. (P.)

* *Gobius brunneus* and *Gobius lineatus* Poey are two species briefly described under names which are preoccupied.

699. *Gobius lyricus* Girard. (P.)

(*Smaragdus costalesi* Poey.)

700. *Gobius smaragdus* Cuv. & Val. (P.)

(*Smaragdus valenciennesi* Poey.)

701. *Gobius oceanicus* Pallas. (G. iii, 50. P.)

(*Gobius lanceolatus* Bloch.; *Gobius bacalaus* C. & V.; *Gobionellus hastatus* Girard.)

265. MICROGOBIUS Poey.

702. *Microgobius signatus* Poey. (P.)

266. GOBIOSOMA Girard.

703. *Gobiosoma multifasciatum* Steindachner.

(Ichth. Beitr., v, 183.)

267. GOBIOIDES Lacépède.

(*Amblyopus* Cuv. & Val.)

704. *Gobioides broussoneti* Lacépède. (G. iii, 136. P.)

(*Gobius brasiliensis* Cuv. & Val.; *Gobioides barreto* Poey.)

268. CAYENNIA Sauvage.

705. *Cayennia guichenoti* Sauvage.

(Bull. Sci. Philom., iv, 57, 1880.)

Family LXXXIX.—CALLIONYMIDÆ.

269. CALLIONYMUS Linnæus.

706. *Callionymus pauciradiatus* Gill. (P.)

Family XC.—SCORPÆNIDÆ.

270. SCORPÆNA Linnæus.

707. *Scorpæna grandicornis* Cuv. & Val. (G. ii, 114. P.)

708. *Scorpæna plumieri* Bloch & Schneider. (G. ii, 113. P.)

(*Scorpæna rascacio* Poey.)

709. *Scorpæna brasiliensis* Cuv. & Val. (G. ii, 112.)

(*Scorpæna stearnsi* Goode & Bean.)

710. *Scorpæna inermis* Cuv. & Val. (P.)

(? *Scorpæna occipitalis* Poey; ? *Scorpæna calcarata* Goode & Bean).

711. *Scorpæna castor* (Poey).

(? *Pontinus pollux* Poey.)

Family XCI.—TRIGLIDÆ.

271. PERISTEDION Lacépède

712. *Peristedion imberbe* Poey. (P.)

(*Peristethion micronemus* Poey.)

713. *Peristedion brevirostre* Günther. (G. ii, 217.)

714. *Peristedion longispatha* Goode & Bean.
(Goode & Bean, Bull. M. C. Z., xii, 166, 1886.)
715. *Peristedion platycephalum* Goode & Bean.
(Goode & Bean, l. c., 167.)

272. **PRIONOTUS** Lacépède.

716. *Prionotus rubio* Jordan. (P.)
717. *Prionotus punctatus* (Bloch). (G. ii, 193.)

273. **CHELIDONICHTHYS*** Kaup.

718. *Chelidonichthys pictipinnis* Kaup.
(Archiv f. Nat., 1873, 71; Barbadoes.)

274. **CEPHALACANTHUS** Lacépède.

719. *Cephalacanthus volitans* (Linnæus). (G. ii, 221. P.)

Family XCII.—**PLATYCEPHALIDÆ**.

275. **PLATYCEPHALUS** Bloch.

720. *Platycephalus angustus* † Steindachner.
(Ichth. Notizen., iii, 6.)

Family XCIII.—**GOBIESOCIDÆ**.

276. **GOBIESOX** Lacépède.

§ *Gobiesox*.

721. *Gobiesox cephalus* Lacépède. (G. iii, 499.)
722. *Gobiesox nigripinnis* Peters. (G. iii, 502.)
723. *Gobiesox virgatus* Jordan & Gilbert. (G. iii, 502.)
(? *Gobiesox nudus* Günther, not *Cyclopterus nudus* L.)
724. *Gobiesox cerasinus* Cope.
(Trans. Am. Phil. Soc., Phila., 1871, 473.)

§ *Sicyases* Müller & Troschel.

725. *Gobiesox fasciatus* Peters. (G. iii, 497.)
726. *Gobiesox rupestris* (Poey). (P.)
727. *Gobiesox rubiginosus* (Poey). (P.)
728. *Gobiesox punctulatus* (Poey). (P.)
729. *Gobiesox carneus* (Poey). (P.)

Family XCIV.—**BATRACHIDÆ**.

277. **BATRACHOIDES** Lacépède.

730. *Batrachoides surinamensis* (Bloch & Schneider). (G. iii, 174.)

278. **BATRACHUS** Bloch & Schneider.

731. *Batrachus tau* (Linnæus). (G. iii, 167. P.)

* A doubtful genus, the description of which I have not seen.

† Doubtfully American, "Angeblich aus Surinam."

279. **PORICHTHYS** Girard.

732. *Porichthys porosissimus* (Cuv. & Val.). (G. iii, 176.)
 (*Porichthys plectrodon* Jordan & Gilbert.)

280. **THALASSOPHRYNE** Günther.

733. *Thalassophryne maculosa* Günther. (G. iii, 175.)

Family XCV.—**LEPTOSCOPIDÆ**.281. **DACTYLOSCOPUS** Gill.

734. *Dactyloscopus poeyi* Gill. (P.)
 735. *Dactyloscopus tridigitatus* Gill. (G. iii, 279.)

Family XCVI.—**URANOSCOPIDÆ**.282. **URANOSCOPIUS** Linnæus.

736. *Uranoscopus occidentalis* Agassiz. (G. iii, 227.)

283. **UPSILONPHORUS** Gill.

737. *Upsilonphorus y-græcum* (Cuv. & Val.). (G. iii, 229.)

Family XCVII.—**OPISTHOGNATHIDÆ**.284. **OPISTHOGNATHUS** Cuv. & Val.

738. *Opisthognathus macrognatha* Poey. (G. ii, 255. P.)
 (*Opisthognathus megastoma* Günther; ? *O. scaphiura* Goode & Bean.)

285. **GNATHYPOPS** * Gill.

739. *Gnathypops maxillosus* (Poey.) (P.)
 740. *Gnathypops macrops* (Poey.) (P.)

286. **LONCHOPISTHUS** Gill.

741. *Lonchopisthus micrognathus* (Poey.) (P.)

Family XCVIII.—**BLENNIIDÆ**.287. **CHÆNOPSIS** Gill.

742. *Chænopsis ocellatus* Poey. (P.)

288. **OPHIOBLENNIUS** Gill.

(*Blennophis* Val.; preoccupied.)

743. *Ophioblennius webbi* (Valenciennes). (G. iii, 259.)

* It is perhaps possible that the species referred to *Gnathypops* are the females of *Opisthognathus*, as suggested by Poey (Enumeratio, 133.)

289. **BLENNIUS** Linnæus.

- 744.
- Blennius crinitus*
- (Cuv. & Val.). (G. iii, 224.)

290. **SCARTELLA** Jordan.

- 745.
- Scartella microstoma*
- (Poey). (P.)

- 746.
- Scartella marmorea*
- (Poey). (P.)

- 747.
- Scartella vincta*
- (Poey). (P.)

- 748.
- Scartella truncata*
- (Poey). (P.)

291. **RUPISCARTES** Swainson.(*Entomacrodus* Gill.)

- 749.
- Rupiscartes atlanticus*
- (Cuv. & Val.). (G. iii, 242.)

- 750.
- Rupiscartes nigricans*
- (Gill). (G. iii, 254.)

- 751.
- Rupiscartes margaritaceus*
- (Poey). (P.)

- 752.
- Rupiscartes decoratus*
- (Poey). (P.)

292. **SALARIICHTHYS** Guichenot.

- 753.
- Salariichthys textilis*
- (Quoy & Gaimard). (G. iii, 248.)

(*Salarias vomerinus* Cuv. & Val.)293. **MYXODES** Cuvier.

- 754.
- Myxodes macropus*
- Poey. (P.)

- 755.
- Myxodes versicolor*
- Poey. (P.)

- 756.
- Myxodes lugubris*
- Poey. (P.)

- 757.
- Myxodes varius*
- Poey. (P.)

294. **GOBIOCLINUS** Gill.

- 758.
- Gobioclinus gobio*
- (Cuv. & Val.). (G. iii, 267.)

295. **LABRISOMUS** Swainson.

- 759.
- Labrisomus nuchipinnis*
- (Quoy & Gaimard). (G. iii, 262, P.)

- 760.
- Labrisomus herminier*
- (Cuv. & Val.). (G. iii, 264.)

- 761.
- Labrisomus microlepedotus*
- Poey. (P.)

- 762.
- Labrisomus ocellatus*
- (Steindachner.) (Ichth. Beitr., v, 182.)

- 763.
- Labrisomus buccifer*
- Poey. (P.)

(*L. biguttatus* Cope, Trans. Am. Phil. Soc., 1871, 473.)

- 764.
- Labrisomus delalandi*
- (Cuv. & Val.). (G. iii, 264.)

- 765.
- Labrisomus gilli*
- (Steindachner). (Ichth. Notiz., vi, 46.)

(? *Clinus bimaclatus* Steind. Ichth. Beitr., v, 180.)296. **CREMNOBATES** Günther.

- 766.
- Cremnobates marmoratus*
- Steindachner. (Ichth. Beitr., v, 175)

- 767.
- Cremnobates affinis*
- Steindachner. (Ichth. Beitr., v, 175.)

- 768.
- Cremnobates fasciatus*
- Steindachner. (Ichth. Beitr. v. 176.)

- 769.
- Cremnobates nigripinnis*
- (Steindachner.)*

(*Clinus nigripinnis* Ichth. Notiz., vi, 45, 1867.)

* *Clinus nigripinnis* Steindachner, from Barbadoes, is a *Cremnobates* and certainly very close to *C. fasciatus*, but it seems to have rather larger scales (Lat. l. 33.).

Family XCIX.—FIERASFERIDÆ.

297. FIERASFER Cuvier.

770. *Fierasfer dubius* Putnam. (P.)(Putnam, Proc. Bost. Soc. Nat. Hist.; *Carapus?* *affinis* Poey, 1874, 344.)

298. LEFROYIA Jones.

771. *Lefroyia bermudensis* Jones.

(Jones, Zoologist, 1874, 338: Bermuda.)

Family C.—OPHIDIIDÆ.

299. OPHIDION Linnæus.

772. *Ophidion graëllsi* Poey. (P.)(? *Ophidium marginatum* De Kay.)773. *Ophidion brevibarbe* (Cuvier). (G. iv, 379.)

300. LEPTOPHIDIUM Gill.

774. *Leptophidium profundorum* Gill. (Gill, Proc. Ac. Nat. Sci., Phila., 1863, 211.)

Family CI.—BROTULIDÆ.

301. LUCIFUGA Poey.

775. *Lucifuga subterranea* Poey. (P.)

302. STYGICOLA Gill.

776. *Stygicola dentata* (Poey). (P.)

303. BROTULA Cuvier.

777. *Brotula barbata* (Bloch & Schneider). (G. iv, 371. P.)

304. BARATHRONUS Goode & Bean.

778. *Barathronus bicolor* Goode & Bean. Goode & Bean, l. c., 1886, 164.

305. NEOBYTHITES Goode & Bean.

779. *Neobythites gilli* Goode & Bean. (Goode & Bean, Proc. U. S. Nat. Mus., 1885, 601.)780. *Neobythites robustus* Goode & Bean. (Goode & Bean, Bull. M. C. Z., xii, 1886, 161.)781. *Neobythites marginatus* Goode & Bean. (Goode & Bean, l. c., 1886, 162.)

306. POROGADUS Goode & Bean.

782. *Porogadus miles* Goode & Bean. (L. c., 1885, 602.)

307. BATHYONUS Goode & Bean.

(Bathynectes Günther, preoccupied.)

783. *Bathyonus catena* Goode & Bean. (L. c., 1885, 603.)784. *Bathyonus pectoralis* Goode & Bean. (L. c., 1885, 604.)

308. **APHYONUS** Günther.

- 785.
- Aphyonus mollis*
- Goode & Bean. (Goode & Bean, l. c., 1886, 163.)

Family CII.—**GADIDÆ**.309. **PHYSICULUS** Kaup.

- 786.
- Physiculus kaupi*
- Poey. (P.)

310 **BREGMACEROS** Thompson.

- 787.
- Bregmaceros atlanticus*
- Goode & Bean. (Goode & Bean, l. c., 1886, 165.)

Family CIII.—**MACRURIDÆ**.311. **BATHYGADUS** Günther.

788. *Bathygadus cavernosus* Goode & Bean. (L. c., 1885, 598.)
 789. *Bathygadus macrops* Goode & Bean. (L. c., 1885, 598.)
 790. *Bathygadus longifilis* Goode & Bean. (L. c., 1885, 599.)
 791. *Bathygadus arcuatus* Goode & Bean. (Goode & Bean, Bull. M. C. Z., xii, 158, 1886.)
 792. *Bathygadus favosus* Goode & Bean. (Goode & Bean, Bull. M. C. Z., xii, 158, 1886.)

312. **MACRURUS** Bloch.

793. *Macrurus caribbæus* Goode & Bean. (L. c., 1885, 594.)
 794. *Macrurus occa* Goode & Bean. (L. c., 1885, 595.)

313. **CORYPHÆNOIDES** Gunner.

- 795.
- Coryphænoides sulcatus*
- Goode & Bean. (L. c., 1885, 596.)

314. **MALACOCEPHALUS** Günther.

- 796.
- Malacocephalus occidentalis*
- Goode & Bean. (L. c., 1885, 597.)

Family CIV.—**PLEURONECTIDÆ**.315. **PLATOPHRYS** Swainson.

(Rhomboidichthys Bleeker.)

797. *Platophrys lunatus* (Linnæus). (G. iv, 433. P.)
 798. *Platophrys ellipticus* (Poey). (G. iv, 434. P.)
 799. *Platophrys maculifer* (Poey). (P.)
 800. *Platophrys ocellatus* (Agassiz.) (G. iv, 433. P.)
 801. *Platophrys spinosus* (Poey). (P.)

316. **ARAMACA** Jordan & Goss.802. *Aramaca papillosa* (Linnæus).(? *Citharichthys ocellatus* Poey. ? *Hemirhombus aramaca* * Günther iv, 422.)808. *Aramaca soleæformis* (Agassiz). (G. iv, 422.)317. **HEMIRHOMBUS** Bleeker.804. *Hemirhombus æthalion* (Jordan). (Proc. U. S. Nat. Mus., 1886.)805. *Hemirhombus fimbriatus* Goode & Bean. (Proc. U. S. Nat. Mus., 1885, 591.)318. **CITHARICHTHYS** Bleeker.806. *Citharichthys spilopterus* Günther. (G. iv, 421. P.)(*Hemirhombus fuscus* Poey.)807. *Citharichthys cayennensis* Bleeker. (Comptes Rendus Ac. Sci. Amst., 1862.)808. *Citharichthys guatemalensis* Bleeker. (Nederl. Tydschr. Dierk., 1864-'73.)809. *Citharichthys ventralis* Goode & Bean. (Proc. U. S. Nat. Mus., 1885, 592.)810. *Citharichthys dinoceros* Goode & Bean. (Goode & Bean, Bull. M. C. Z., xii, 157, 186.)319. **ETROPUS** Jordan & Gilbert.811. *Etropus rimosus* Goode & Bean. (Proc. U. S. Nat. Mus., 1885, 593.)320. **PARALICHTHYS** Girard.812. *Paralichthys brasiliensis* (Ranzani). (G. iv, 429.)(*Pseudorhombus vorax* Günther.)321. **MONOLENE** Goode.813. *Monolene atrimana* Goode & Bean. (Bull. M. C. Z., 1866, xii, 155.)322. **ACHIRUS** Lacépède.§ *Baiostoma* Bean.814. *Achirus inscriptus* (Gosse). (G. iv, 473. P.)(*Monochir reticulatus* Poey.)815. *Achirus maculipinnis* (Agassiz). (G. iv, 473.)816. *Achirus gronovii* (Günther). (G. iv, 477.)§ *Achirus*.817. *Achirus achirus* (Linnæus). (G. iv, 477.)(Solea browni Gthr.; ? *Pleuronectes apoda* Mitchell; ? *Pleuronectes lineatus* L.)

*The *Aramaca* of Marcgrave, which is the sole basis of *Pleuronectes aramaca* Walbaum, of *Pleuronectes macrolepidotus* Bloch, of *Rhombus aramaca* Cuvier and of *Pleuronectes papillosus* Linnæus, can be no known species other than the present. Marcgrave's species is of course an *Aramaca*, having the form of a sole. It is represented as having the eyes wide apart, the left pectoral produced, the mouth very large, the body oblong, and the coloration stone-like (sand-color) on the left side and white on the eyed side.

323. **APIONICHTHYS** Kaup.818. *Apionichthys unicolor* (Günther). (G. iv, 489.)

(Soleotalpa unicolor Günther.)

819. *Apionichthys nebulosus* Peters. (Peters, Berl. Monalster., 1869, 709; Surinam.)324. **APHORISTIA** Kaup.820. *Aphoristia plagiusa* (Linnæus). (G. iv, 490. P.)821. *Aphoristia diomedea* Goode & Bean. (Goode & Bean, Proc. U. S. Nat. Mus., 1885, 589.)822. *Aphoristia pusilla* Goode & Bean. (L. c., 1885, 592.)823. *Aphoristia pigra* Goode & Bean. (Bull. M. C. Z., 1886, xii, 154.)824. *Aphoristia marginata* Goode & Bean. (Bull. M. C. Z., 1886, xii, 153.)Family CV.—**ANTENNARIIDÆ**.325. **PTEROPHRYNOIDES** Gill.825. *Pterophrynoides histrio* (Linnæus). (G. iii, 185. P.)(*Antennarius marmoratus* Günther.)326. **ANTENNARIUS** Lacépède.826. *Antennarius scaber* Cuvier. (G. iii, 188.)(*Antennarius histrio* Günther.)827. *Antennarius ocellatus* (Bloch & Schneider). (G. iii, 196.)(*Antennarius pleurophthalmus* Gill.)828. *Antennarius multiocellatus* (Cuv. & Val.). (G. iii, 194.)(? *Antennarius annulatus* Gill.)829. *Antennarius tigris* Poey. (G. iii, 189. P.)830. *Antennarius inops* Poey.

(Poey, Anales Hist. Nat. Exp. 1881, 340. Porto Rico.)

831. *Antennarius corallinus* Poey. (P.)832. *Antennarius tenebrosus* Poey. (G. iii, 197. P.)Family CVI.—**MALTHIDÆ**.327. **MALTHE** Cuvier.833. *Malthe vespertilio* (Linnæus). (G. iii, 200. P.)328. **HALIEUTICHTHYS** Poey.834. *Halieutichthys aculeatus* (Mitchill). (P.)(*Halieutichthys reticulatus* Poey.)

Family CVII.—OSTRACIIDÆ.*

329. OSTRACION Linnæus.

835. *Ostracion tricornis* Linnæus. (G. viii, 258. P.)
 (*Ostracion quadricornis* L.; *Acanthostracion polygonius* Poey.)
836. *Ostracion trigonum* Linnæus. (G. viii, 256. P.)
 (? *Lactophrys undulatus* Poey; *Ostracium expansum* Cope.)
837. *Ostracion bicaudale* Linnæus. (G. viii, 257. P.)
838. *Ostracion triquetrum* Linnæus. (G. viii, 256. P.)

Family CVIII.—TRIACANTHIDÆ.

330. HOLLARDIA Poey.

839. *Hollardia hollardi* Poey. (G. viii, 209. P.)

Family CIX.—BALISTIDÆ.

331. BALISTES Linnæus.

§ *Balistes*.

840. *Balistes vetula* Linnæus. (G. viii, 215. P.)
841. *Balistes carolinensis* Gmelin. (G. viii, 217. P.)
 (*Balistes capriscus* Gmelin; *Balistes tæniopterus* and *B. nebulosus* Poey.)
842. *Balistes moribundus* Cope. (Cope, Trans. Am. Philos. Soc., 1871, 478.)

332. CANTHIDERMIS Swainson.

843. *Canthidermis longus* (Gronow). (P. ? G. viii, 214.)
 (*Balistes macrops* Poey; ?? *Balistes maculatus* Bloch.)
844. *Canthidermis sufflamen* (Mitchill). (P.)
 (? *Balistes sobaco* Poey.)
845. *Canthidermis melanopterus* (Cope). (Cope, Trans. Am. Philos. Soc., 1871, 478.)
846. *Canthidermis asperrimus* (Cope). (Cope, l. c., 478.)

333. XANTHICHTHYS Kaup.

847. *Xanthichthys ringens* (Linnæus). (G. viii, 221. P.)
 (*Xanthichthys cicatricosus* Poey.)

334. MELICHTHYS Swainson.

848. *Melichthys piceus* (Poey). (G. viii, 227. P.)
 (? *Balistes buniva* Lacépède.)

335. MONACANTHUS Cuvier.

§ *Cantherines* Swainson.

849. *Monacanthus stratus* Poey. (P.)
850. *Monacanthus parraianus* Poey. (P.)

* For synonymy, see Goode, Proc. U. S. Nat. Mus., 1879, 261.

851. *Monacanthus pullus* Ranzani. (G. viii, 230, pt. P.)

852. *Monacanthus macrocerus* Hollard. (Ann. Sci. Nat., 1854, ii, 237.)

853. *Monacanthus irroratus* Poey. (P.)

(? *Monacanthus punctatus* Poey.)

♂ *Monacanthus*.

854. *Monacanthus oppositus* Poey. (P.)

855. *Monacanthus ciliatus* Mitchill. (G. viii, 237.)

(*Monacanthus occidentalis* Günther; *Monacanthus pira-aca* Kner.; *Monacanthus davidsoni* Cope.)

856. *Monacanthus hispidus* L. (G. viii, 239. P.)

(*Monacanthus setifer* Poey.)

857. *Monacanthus spilonotus* Cope. (Cope, Trans. Am. Phil. Soc., 1871, 476.)

858. *Monacanthus amphioxys* Cope. (Cope, l. c., 477.)

336. ALUTERA Cuvier.

859. *Alutera scripta* (Osbeck). (G. viii, 252. P.)

(*Alutera picturata* Poey.)

860. *Alutera monoceros* (Osbeck). (G. viii, 251. P.)

(*Alutera güntheriana* Poey.)

861. *Alutera punctata* Agassiz. (G. viii, 254.)

Family CX.—TETRAODONTIDÆ.

337. LAGOCEPHALUS Swainson.

862. *Lagœcephalus lævigatus* (Linnaeus). (G. viii, 274. P.)

(? *Tetrodon lineolatus* Poey.)

338. SPHÆROIDES Lacépède.

(*Cirrhisomus* Swainson; *Cheilichthys* Müller.)

863. *Sphæroides pachygaster* (Müller & Troschel). (G. viii, 287.)

864. *Sphræroides testudineus* (Linnaeus). (G. viii, 282. P.)

(*Tetrodon punctatus* Poey.)

865. *Sphæroides spengleri* (Bloch). (G. viii, 284. P.)

(*Tetrodon nephelus* Goode & Bean; *Tetrodon turgidus* Poey, not of Mitchill.)

339. COLOMESUS Gill.

866. *Colomesus psittacus* (Bloch). (G. viii, 286.)

340. CANTHIGASTER Swamson.

867. *Canthigaster rostratus* (Bloch). (G. viii, 303.)

(*Tetrodon ornatus* Poey. *Anchisomus caudacinctus* Richardson.)

Family CXI.—DIODONTIDÆ.

341. DIODON Linnæus.

868. *Diodon hystrix* Linnæus.

(*Diodon atinga* Bloch, not of L. ; ? *Diodon holacanthus* Linnæus = *Diodon spinosissimus* Cuvier = *Diodon maculatus* Günther.)

869. *Diodon maculifer* Kaup. (G. viii, 309.)

342. CHILOMYCTERUS (Bibron) Kaup.

870. *Chilomycterus schœpfi* (Walbaum). (G. viii, 310.)

(*Chilomycterus geometricus* Authors, not *Diodon geometricus* Bloch & Schneider.)

871. *Chilomycterus spinosus* (Linnæus). (G. viii, 311, var. P.)

(*Cyclichthys cornutus* Kaup. *Chilomycterus orbitosus* Poey.)

872. *Chilomycterus antennatus* (Cuvier) (G. viii, 311. P.)

(*Chilomycterus puncticulatus* Poey.)

873. *Chilomycterus reticulatus* (Linnæus). (G. viii, 313.)

Family CXII.—ORTHAGORISCIDÆ.

343. RANZANIA Nardo.

874. *Ranzania truncata* (Retz). (G. viii, 319.)

344. MOLA Cuvier.

875. *Mola mola* (Linnæus). (G. viii, 317. P.)

SUPPLEMENTARY LIST.

To the foregoing list we may confidently add the following species, obtained from the Florida Keys and from the "Snapper" Banks off Pensacola and Tampa. All of them are essentially members of the West Indian Fauna, although, as yet, none of them have been noted from any locality south of the Tropic of Cancer:

CLUPEIDÆ.

Dussumieria stolifera Jordan & Gilbert.

MURÆNIDÆ.

Sidera nigromarginata (Girard).

OPHISURIDÆ.

Letharchus Goode & Bean.

Letharchus velifer Goode & Bean.

Callechelys Guichenot.

Callechelys muræna Jordan.

Callechelys scuticaris (Goode & Bean).

Callechelys teres (Goode & Bean).

Callechelys bascanium Jordan.

CONGRIDÆ.

Myrophis egmontis Jordan.*Conger caudicula* Bean.**Neoconger** Girard.*Neoconger mucronatus* Girard.

MUGILIDÆ.

Querimana Jordan & Gilbert.*Querimana gyrans* Jordan & Gilbert.

ATHERINIDÆ.

Atherina aræa Jordan & Gilbert.

BRAMIDÆ (?).

Steinegeria Jordan & Evermann.*Steinegeria rubescens* Jordan & Evermann.

SERRANIDÆ.

Centropristis ocyurus Jordan & Evermann.*Hypoplectrus gemma* Goode & Bean.**Pronotogrammus** Gill.*Pronotogrammus vicanus* (Jordan & Swain).

SPARIDÆ.

Calamus arctifrons Goode & Bean.**Stenotomus** Gill.*Stenotomus caprinus* Goode & Bean.*Sparus pagrus* Linnæus.

CHEILODIPTERIDÆ.

Amia aluta (Jordan & Gilbert).

MULLIDÆ.

Mullus Linnæus.*Mullus surmuletus auratus* Jordan & Gilbert.

LABRIDÆ.

Xyrichthys rosipes Jordan & Gilbert.*Doratonotus thalassinus* Jordan & Gilbert.*Sparisoma cyanolene* Jordan & Swain.*Calliodon bollmani* Jordan & Evermann.*Calliodon evermanni* Jordan.

POMACENTRIDÆ.

Chromis enchrysurus Jordan & Gilbert.

MALACANTHIDÆ.

Caulolatilus microps Good & Bean.

Gobiidæ.

Gobiosoma ceuthæcum Jordan & Gilbert.

Ioglossus Bean.

Ioglossus calliurus Bean.

Triglidæ.

Prionotus roseus Jordan & Evermann.

Prionotus stearnsi Jordan & Swain.

Prionotus ophryas Jordan & Swain.

Uranoscopidæ.**Astroscopus** Gill.

Astroscopus anoplos (C. & V.)

Opisthognathidæ.

Opisthognathus scaphiura Goode & Bean.

Opisthognathus lonchura Jordan & Gilbert.

Gnathypops mystacinus Jordan.

Blenniidæ.

Blennius asterias Goode & Bean.

Blennius favosus Goode & Bean.

Blennius stearnsi Jordan & Gilbert.

Emblemaria Jordan & Gilbert.

Emblemaria nivipes Jordan & Gilbert.

Cremnobates nox Jordan & Gilbert.

Stathmonotus Bean.

Stathmonotus hemphilli Bean.

Ophidiidæ.

Ophidion beani Jordan.

Otophidium Gill.

Otophidium omostigma (Jordan & Gilbert).

Gadidæ.**Phycis** Bloch & Schneider.

Phycis floridanus Bean.

Pleuronectidæ.

Aramaca pætula (Bean).

Platophrys nebularis Jordan & Gilbert.

Etropus crossotus Jordan & Gilbert.

Achirus comifer Jordan & Gilbert.

Achirus brachialis Bean.

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