

# A CHECK-LIST OF THE FISHES OF INDIA, BURMA AND CEYLON.

## PART II. CLUPEIFORMES, BATHYCLUPEIFORMES, GALAXIIFORMES, SCOPELIFORMES AND ATELEOPIIFORMES.

By K. S. MISRA, D.Sc., F.Z.S., Assistant Superintendent, Zoological Survey  
of India, Kaiser Castle, Banaras Cantt.

### CONTENTS.

	PAGE.
INTRODUCTION .. .. .	382
SYSTEMATIC ACCOUNT .. .. .	382
Class TELEOSTOMI .. .. .	382
Subclass ACTINOPTERYGII .. .. .	382
Order CLUPEIFORMES (ISOSPONDYLI, MALACOPTERYGII S. STR., THRISSOMORPHI).	382
Suborder CLUPEOIDEI .. .. .	382
Superfamily ELOPOIDAE .. .. .	382
Family ELOPIDAE .. .. .	382
<i>Elops saurus</i> L. .. .. .	382
Family MEGALOPIDAE .. .. .	383
<i>Megalops cyprinoides</i> (Brouss.) .. .. .	383
Superfamily ALBULOIDAE .. .. .	383
Family ALBULIDAE .. .. .	383
<i>Albula vulpes</i> (L.) .. .. .	384
Superfamily CLUPEOIDAE .. .. .	384
Family CLUPEIDAE .. .. .	384
Subfamily <i>Dussumieriini</i> .. .. .	384
<i>Dussumieria acuta</i> (C.V.) .. .. .	384
<i>Dussumieria hasselti</i> Blkr. .. .. .	384
<i>Ehirava fluviatilis</i> Deraniyagala .. .. .	385
<i>Stolephorus malabaricus</i> Day .. .. .	385
Subfamily <i>Clupeini</i> .. .. .	385
<i>Harengula punctata</i> (Rüpp.) .. .. .	385
<i>Harengula vittata</i> (C.V.) .. .. .	386
<i>Sardinella albella</i> (C.V.) .. .. .	386
<i>Sardinella clupeoides</i> (Blkr.) .. .. .	387
<i>Sardinella dayi</i> Reg. .. .. .	387
<i>Sardinella fimbriata</i> (C.V.) .. .. .	387
<i>Sardinella gibbosa</i> (Blkr.) .. .. .	387
<i>Sardinella longiceps</i> C.V. .. .. .	388
<i>Sardinella melonura</i> (C.) .. .. .	388
<i>Sardinella sindensis</i> (Day) .. .. .	389
<i>Sardinella sirm</i> (Rüpp.) .. .. .	389
<i>Hilsa ilisha</i> (Ham.) .. .. .	389
<i>Hilsa kangurta</i> (Blkr.) .. .. .	390
<i>Hilsa toli</i> (C.V.) .. .. .	390

	PAGE.
<i>Gadusia chapra</i> (Ham.) .. .. .	391
<i>Gadusia variegata</i> (Day) .. .. .	391
<i>Kowala coval</i> (C.) .. .. .	392
<i>Corica soborna</i> Ham. .. .. .	392
<i>Ilisha brachysoma</i> (Blkr.) .. .. .	392
<i>Ilisha elongata</i> (Benn.) .. .. .	393
<i>Ilisha filigera</i> (C.V.) .. .. .	393
<i>Ilisha indica</i> (Swms.) .. .. .	393
<i>Ilisha kampeni</i> (Web. & de Bfrt.) .. .. .	394
<i>Ilisha leschenaulti</i> (C.V.) .. .. .	394
<i>Ilisha melastoma</i> (C.) .. .. .	394
<i>Ilisha motius</i> (Ham.) .. .. .	394
<i>Ilisha novacula</i> (C.V.) .. .. .	394
<i>Ilisha sladeni</i> (Day) .. .. .	395
<i>Pellona ditchela</i> C.V. .. .. .	395
<i>Opisthopterus taroore</i> (C.) .. .. .	395
<i>Raconda russelliana</i> Gray .. .. .	396
Subfamily <i>Dorosomatini</i> .. .. .	396
<i>Clupanodon punctatus</i> (Schl.) .. .. .	397
<i>Clupanodon thrissa</i> (L.) .. .. .	397
<i>Gonialosa manmina</i> (Ham.) .. .. .	397
<i>Gonialosa modestus</i> (Day) .. .. .	397
<i>Nematalosa nasus</i> (Bl.) .. .. .	398
<i>Anodontostoma chacunda</i> (Ham.) .. .. .	398
Family ENGRAULIDÆ .. .. .	399
<i>Setipinna breviceps</i> (Cant.) .. .. .	399
<i>Setipinna phasa</i> (Ham.) .. .. .	399
<i>Setipinna taty</i> (C.V.) .. .. .	399
<i>Coilia borneensis</i> Blkr. .. .. .	400
<i>Coilia cantoris</i> Blkr. .. .. .	400
<i>Coilia dussumieri</i> C.V. .. .. .	400
<i>Coilia quadragesimalis</i> C.V. .. .. .	400
<i>Coilia ramcarati</i> (Ham.) .. .. .	401
<i>Coilia reynaldi</i> C.V. .. .. .	401
<i>Anchoviella commersonii</i> (Lac.) .. .. .	401
<i>Anchoviella heterolobus</i> (Rüpp.) .. .. .	402
<i>Anchoviella indica</i> (v. Hass.) .. .. .	402
<i>Anchoviella tri</i> (Blkr.) .. .. .	402
<i>Thrissocles annandalei</i> (Chaudhuri) .. .. .	403
<i>Thrissocles baelama</i> (Forsk.) .. .. .	403
<i>Thrissocles dussumieri</i> (C.V.) .. .. .	403
<i>Thrissocles hamiltonii</i> (Gray) .. .. .	403
<i>Thrissocles kammalensis</i> (Blkr.) .. .. .	404
<i>Thrissocles kempi</i> (Chaudhuri) .. .. .	404
<i>Thrissocles malabaricus</i> (Bl.) .. .. .	404
<i>Thrissocles mystax</i> (Sohn.) .. .. .	405
<i>Thrissocles purava</i> (Ham.) .. .. .	405

	PAGE.
<i>Thrissocles rambhae</i> (Chaudhuri) .. .. .	406
<i>Thrissocles setirostris</i> (Brouss.) .. .. .	406
<i>Thrissocles valenciennesi</i> (Blkr.) .. .. .	406
<i>Xenengraulis spinidens</i> J. S. .. .. .	406
Superfamily ALEPOCEPHALOIDEAE .. .. .	406
Family ALEPOCEPHALIDAE (incl. PLATYPROCTIDAE Roule 1919) ..	403
<i>Alepocephalus bicolor</i> Alc. .. .. .	406
<i>Alepocephalus blanfordii</i> Alc. .. .. .	407
<i>Alepocephalus edentulus</i> Alc. .. .. .	407
<i>Alepocephalus longiceps</i> Lloyd. .. .. .	407
<i>Alepocephalus macrops</i> Lloyd. .. .. .	407
<i>Alepocephalus microlepis</i> Gthr. .. .. .	407
<i>Bathytroctes macrolepis</i> Gthr. .. .. .	408
<i>Bathytroctes microlepis</i> Gthr. .. .. .	408
<i>Bathytroctes rostratus</i> Gthr. .. .. .	408
<i>Bathytroctes squamosus</i> Alc. .. .. .	408
<i>Narcetes affinis</i> Lloyd. .. .. .	408
<i>Narcetes erimelas</i> Alc. .. .. .	408
<i>Platytroctes apus</i> Gthr. .. .. .	409
<i>Xenodermichthys guentheri</i> Alc. .. .. .	409
<i>Xenodermichthys lividis</i> (Br.) .. .. .	409
<i>Xenodermichthys nudus</i> (Br.) .. .. .	409
<i>Xenodermichthys squamilaterus</i> Alc. .. .. .	409
<i>Leptoderma affinis</i> Alc. .. .. .	410
<i>Tauredophidium hextii</i> Alc. .. .. .	410
Family DOLICHOPTERYGIDAE .. .. .	410
<i>Aulastomatomorpha phospherops</i> Alc. .. .. .	410
Suborder CHIROCENTROIDEI .. .. .	410
Family CHIROCENTRIDAE .. .. .	410
<i>Chirocentrus dorab</i> (Forsk.) .. .. .	410
Suborder CHANOIDEI .. .. .	411
Family CHANIDAE .. .. .	411
<i>Chanos chanos</i> (Forsk.) .. .. .	411
Suborder SALMONOIDEI .. .. .	411
Family SALMONIDAE (SALMONIDAE + COREGONIDAE Jordan) ..	411
<i>Salmo trutta fario</i> L. .. .. .	412
<i>Salmo gairdnerii gairdnerii</i> Rich. .. .. .	412
<i>Salmo levenensis</i> Walker .. .. .	412
Family MICROSTOMIDAE .. .. .	412
<i>Nansenia graenlandicus</i> (Reinhardt) .. .. .	412
Suborder STOMIATOIDEI .. .. .	413
Superfamily GONOSTOMOIDEAE (HETEROPHOTODERMI) .. .. .	413
Family GONOSTOMIDAE (GONOSTOMIDAE + MAUROLICIDAE Jordan) ..	413
<i>Gonostoma elongatum</i> Gthr. .. .. .	413
<i>Cyclothone acclinidens</i> Garm. .. .. .	413
<i>Cyclothone microdon</i> (Gthr.) .. .. .	413

	PAGE.
<i>Cyclothone microdon pallida</i> Br. .. ..	414
<i>Cyclothone obscura</i> Br. .. ..	414
<i>Cyclothone signata</i> Garm. .. ..	414
<i>Cyclothone signata alba</i> Br. .. ..	414
<i>Vinciguerria lucetius</i> (Garm.) .. ..	414
<i>Vinciguerria nimbaricus</i> (J. W.) .. ..	414
<i>Valenciennellus stellatus</i> Garm. .. ..	415
<i>Yarrella corythaeolum</i> (Alc.) .. ..	415
<i>Triplophus elongatus</i> Br. .. ..	415
Family STERNOPTYCHIDAE .. ..	415
<i>Sternoptyx diaphana</i> Herm. .. ..	415
<i>Argyropelecus aculeatus</i> C.V. .. ..	416
<i>Argyropelecus affinis</i> Garm. .. ..	416
<i>Argyropelecus hemigymnus</i> Cocco. .. ..	416
<i>Argyropelecus olfersii</i> (C.) .. ..	416
<i>Argyropelecus sladeni</i> Reg. .. ..	416
<i>Polyipnus spinosus</i> Gthr. .. ..	416
Superfamily STOMIATOIDAE (LEPIDOPHOTODERMI) .. ..	417
Family STOMIATIDAE .. ..	417
<i>Stomias affinis</i> Gthr. .. ..	417
<i>Stomias nebulosus</i> Alc. .. ..	417
<i>Stomias valdiviae</i> Br. .. ..	417
<i>Photostomias atrox</i> (Alc.) .. ..	418
Family CHAULIODONTIDAE .. ..	418
<i>Chauliodus pammelas</i> Alc. .. ..	418
<i>Chauliodus sloani</i> Bl. Schn. .. ..	418
Superfamily ASTRONESTHOIDAE (GYMNOPHOTODERMI) .. ..	419
Family ASTRONESTHIDAE .. ..	419
<i>Astronesthes cyaneus</i> (Br.) .. ..	419
<i>Astronesthes indicus</i> Br. .. ..	419
<i>Astronesthes martensii</i> Klunz. .. ..	419
Family MELANOSTOMIATIDAE (incl. MALACOSTEIDAE) .. ..	419
<i>Melanostomias melanops</i> Br. .. ..	419
<i>Melanostomias valdiviae</i> Br. .. ..	419
<i>Malacosteus indicus</i> Gthr. .. ..	420
Family IDIACANTHIDAE .. ..	420
<i>Stylophthalmus paradoxus</i> Br. .. ..	420
Suborder NOTOPTEROIDEI .. ..	420
Family NOTOPTERIDAE .. ..	420
<i>Notopterus chitala</i> (Ham.) .. ..	420
<i>Notopterus notopterus</i> (Pllas) .. ..	421
<i>Notopterus osmani</i> Rahimullah & Das. .. ..	421
Order BATHYCLUPEIFORMES .. ..	422
Family BATHYCLUPEIDAE .. ..	422
<i>Bathyclupea hoskynii</i> Alc. .. ..	422
Order GALAXIIFORMES .. ..	422
Family Galaxiidae .. ..	422

	PAGE.
<i>Galaxias indicus</i> Day .. .. .	422
Order SCOPELIFORMES (INIOMI) .. .. .	422
Family SYNODIDAE (SAURIDAE, SYNODONTIDAE) .. .. .	422
<i>Harpodon nehereus</i> (Ham.) .. .. .	422
<i>Harpodon squamosus</i> Alc. .. .. .	423
<i>Saurida gracilis</i> (Q. G.) .. .. .	423
<i>Saurida longimanus</i> Norman .. .. .	423
<i>Saurida tumbil</i> (Bl.) .. .. .	424
<i>Saurida undosquamis</i> (Rich.) .. .. .	424
<i>Synodus indicus</i> (Day) .. .. .	424
<i>Synodus variegatus</i> (Lac.) .. .. .	424
<i>Trachinocephalus myops</i> (Bl. Schn.) .. .. .	425
Family SCOPELARCHIDAE .. .. .	425
<i>Scopelarchus guentheri</i> Alc. .. .. .	425
Family EVERMANNELLIDAE (ODONTOSTOMIDAE) .. .. .	425
<i>Evermannella atratus</i> (Alc.) .. .. .	425
Family SUDIDAE .. .. .	426
<i>Chlorophthalmus agassizi</i> Bonap. .. .. .	426
<i>Bathypterois atricolor</i> Alc. .. .. .	426
<i>Bathypterois guentheri</i> Alc. .. .. .	426
<i>Bathypterois insularum</i> Alc. .. .. .	427
Family OMOSUDIDAE .. .. .	427
<i>Omosudis elongatus</i> Br. .. .. .	427
Family SCOPELIDAE (MYCTOPHIDAE) .. .. .	427
<i>Myctophum coccoi</i> (Cocco) .. .. .	427
<i>Myctophum fibulatum</i> Gilbert & Cramer .. .. .	427
<i>Myctophum indicus</i> Day. .. .. .	427
<i>Myctophum laternatum</i> Gram. .. .. .	427
<i>Myctophum pterotus</i> (Alc.) .. .. .	428
<i>Myctophum reinhardti</i> (Lüt.) .. .. .	428
<i>Myctophum spinosum</i> (Steind.) .. .. .	428
<i>Myctophum valdivae</i> Br. .. .. .	428
<i>Lampanyctus gemmifer</i> G. B. .. .. .	429
<i>Lampanyctus longipes</i> Br. .. .. .	429
<i>Lampanyctus macropterum</i> Br. .. .. .	429
<i>Lampanyctus micropterum</i> Br. .. .. .	429
<i>Lampanyctus pyrsobolus</i> (Alc.) .. .. .	429
<i>Diaphus coeruleus</i> (Klunz.) .. .. .	429
<i>Diaphus dumerili</i> (Blkr.) .. .. .	430
* <i>Diaphus garmani</i> Gilb. .. .. .	430
* <i>Diaphus lutkeni</i> (Br.) .. .. .	430
* <i>Diaphus rafinesquei</i> (Cocco) .. .. .	430
<i>Diaphus splendidum</i> (Br.) .. .. .	430
<i>Neoscopelus macrolepidotus</i> Johnson .. .. .	431
<i>Scopelengys tristis</i> Alc. .. .. .	431
Order ATELEOPIFORMES .. .. .	431
Family ATELEOPIIDAE .. .. .	431
<i>Podateles indicus</i> (Wood-Mason & Alcock) .. .. .	431

## INTRODUCTION.

† The second part<sup>1</sup> of the "Check List" deals with Clupeiformes, Galaxiiformes, Scopeliformes, Bathyclupeiformes and Ateleopiformes of India, Burma and Ceylon and contains a list of 171 species of fish. Dr. Day recorded only 68 species of the first three orders and none of the last two.

The species marked with an asterisk (\*) is doubtfully recorded from India.

## SYSTEMATIC ACCOUNT.

## Class TELEOSTOMI.

## Subclass ACTINOPTERYGII.

## Order CLUPEIFORMES (ISOSPONDYLII, MALACOPTERYGII)

## Suborder CLUPEOIDEI.

## Superfamily ELOPOIDAE.

## Family ELOPIDAE.

Genus **Elops** Linnaeus.

1766. *Elops* Linnaeus, *Syst. Nat.* I, ed. 12, p. 518. (Type, *Elops saurus* L., monotypic).

**Elops saurus** L.

1766. *Elops saurus*, Linnaeus, *Syst. Nat.* I, ed. 12, p. 518 (type locality : Carolina).
1839. *Elops indicus* Swainson, *Hist. Nat. Animal.* II, p. 292 (on *Jinagow* Russell, *Fish Coromandel* II, p. 63, pl. clxxix, 1803, type locality : Vizagapatam).
1846. *Elops saurus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XIX, p. 365 (Massauah, Red Sea, Mauritius, Pondicherry, Coromandel).
1865. *Elops saurus*, Kner, *Reise Novara Fische*, p. 338 (Madras).
1878. *Elops saurus*, Day, *Fish. India*, p. 649, pl. clxvi, fig. 1 (tropical and subtropical seas).
1889. *Elops saurus*, Day, *Faun. Brit. Ind. Fish.* I, p. 401, fig. 125 (tropical and subtropical seas).
1909. *Elops machnata*, Regan, *Ann. Mag. Nat. Hist.* (8)III, p. 39 (Madras).
1913. *Elops machnata*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 4.
1915. *Elops indicus*, Chaudhuri, *Mem. Ind. Mus.* V, p. 413 (Chilka Lake).
1917. *Elops saurus*, Hornell, *Madras Fish. Bull.* XI, p. 93 (Tuticorin).
1929. *Elops saurus*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 354 (Travancore).
1933. *Elops indicus*, Deraniyagala, *Ceylon Journ. Sci.* (C)V, p. 82 (Ceylon).
1941. *Elops saurus*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 524.
1941. *Elops machnata*, Herre, *Mem. Ind. Mus.* XIII, p. 333 (Andamans).

<sup>1</sup>For Part I of the "Check List" dealing with Elasmobranchii and Holocephali reference may be made to *Rec. Ind. Mus.* XLV, Part I, pp. 1-46 (1947).

*Distribution.*—Red Sea, Arabia, East Coast of Africa, Mauritius, Madagascar, India, Ceylon, Andamans, Malay Peninsula, Malay Archipelago, Philippines, China, Japan, Queensland, Hawaii.

Family MEGALOPIDAE.

Genus **Megalops** Lacépède.

1803. *Megalops* Lacépède, *Hist. Nat. Poiss.* V, p. 289. (Type, *Megalops filamentosus* Lac.=*Clupea cyprinoides* Broussonet, monotypic.)

**Megalops cyprinoides** (Brüss.).

1782. *Clupea cyprinoides*, Broussonet, *Ichth.*, pl. ix (type locality : Oceans between the Tropics).
1822. *Cyprinodon cundinga*, Hamilton, *Fish. Ganges*, pp. 254, 283 (type locality : salt water estuaries of the Ganges).
1846. *Megalops indicus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XIX, p. 388, pl. xlii (type locality : Fort Dauphin, Madagascar ; Mauritius ; Bouru ; Coromandel ; Pondicherry ; Malabar ; Alipey ; Cananor ; Palembang ; Java ; Tahiti ; Tana).
1851. *Megalops kundinga*, Jerdon, *Mad. Journ. Lit. Sci.* XVII, p. 146.
1865. *Elops apalike* (nec Lac.) Day, *Fish. Malabar*, p. 228 (Malabar).
1868. *Megalops cyprinoides*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 471 (Zanzibar ; Shire River ; Madras ; Bengal ; Penang ; Java ; Sumatra ; Amboyna ; Formosa ; Aneitum ; Cape York ; Port Essington).
1878. *Megalops cyprinoides*, Day, *Fish India*, p. 650, pl. clix, fig. 3 (East Coast of Africa, freshwater and estuaries of India, Ceylon, Malay Archipelago, China, Polynesia).
1889. *Megalops cyprinoides*, Day, *Faun. Brit. Ind. Fish.* I, p. 402, fig. 125 (Indian and Pacific Oceans, waters and estuaries of India, Ceylon, etc., occasionally captured in rivers, but much more commonly found in tanks).
1907. *Megalops cyprinoides*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).
1913. *Megalops cyprinoides*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 5, fig. 4.
1915. *Megalops cyprinoides*, Chaudhuri, *Mem. Ind. Mus.* V, p. 417 (Chilka Lake).
1916. *Megalops cyprinoides*, Raj, *Rec. Ind. Mus.* XII, p. 252 (Madras).
1929. *Megalops cyprinoides*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).
1933. *Megalops cyprinoides*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 83 (Ceylon).
1941. *Megalops cyprinoides*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 519
1941. *Megalops cyprinoides*, Herre, *Mem. Ind. Mus.* XIII, p. 334 (Andamans)

*Distribution.*—East Africa, Zanzibar, Natal, Madagascar, India, Ceylon, Burma, Malay Peninsula, Malay Archipelago, Siam, China, Formosa, Japan, Australia, Melanesia, Micronesia, Polynesia.

Superfamily ALBULOIDAE.

Family ALBULIDAE.

Genus **Albula** Scopoli.

1777. *Albula* Scopoli, *Introd. Nat. Hist.* p. 454. (Type, *Esox vulpes* L.)

**Albula vulpes (L.).**

1758. *Esox vulpes*, Linnaeus, *Syst. Nat.* I, ed. 10, p. 313 (type locality : Bahama Islands).  
 1868. *Albula conorhynchus*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 468 (Ceylon).  
 1878. *Albula conorhynchus*, Day, *Fish. India*, p. 648 (Red Sea, Seas of Africa, India, Malay Archipelago and America, also the Pacific).  
 1889. *Albula conorhynchus*, Day, *Faun. Brit. Ind. Fish.* I, p. 401 (coasts of India and all the tropical and subtropical seas).  
 1913. *Albula vulpes*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 7, fig. 5.  
 1916. *Albula vulpes*, Raj, *Rec. Ind. Mus.* XII, p. 253 (Madras).  
 1933. *Albula vulpes*, Deraniyagala, *Ceylon Journ. Sci. (C)* V, p. 81 (Ceylon).  
 1941. *Albula vulpes*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 529.

*Distribution.*—Red Sea, Zanzibar, Natal, Mauritius, India, Ceylon, Malay Peninsula, Malay Archipelago, Japan, Korea, Queensland, New South Wales, Melanesia, Micronesia, Polynesia, Hawaii.

## Superfamily CLUPEOIDEAE.

## Family CLUPEIDAE.

Subfamily *Dussumieriini*.Genus **Dussumieria** Cuvier & Valenciennes.

1847. *Dussumieria* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 467. (Type, *Dussumieria acuta* C. V., monotypic).

**Dussumieria acuta** C. V.

1847. *Dussumieria acuta*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 467, pl. mcvii (type locality : Bombay ; Coromandel).  
 1851. *Dussumieria acuta*, Jerdon, *Madras Journ. Lit. Sci.* XVII, p. 145.  
 1865. *Dussumieria acuta*, Day, *Fish. Malabar*, p. 226 (Malabar).  
 1870. *Dussumieria acuta*, Day, *Proc. Zool. Soc. London*, p. 701 (Andamans).  
 1878. *Dussumieria acuta*, Day, *Fish. India*, p. 647, pl. clxvi, fig. 4 (from Sind through the seas of India to the Malay Archipelago).  
 1889. *Dussumieria acuta*, Day, *Faun. Brit. Ind. Fish.* I, p. 399, fig. 123 (from Sind through the seas of India to the Malay Archipelago).  
 1912. *Dussumieria acuta*, Jenkins, *Rec. Ind. Mus.* VII, p. 60 (Chilka Lake).  
 1917. *Dussumieria acuta*, Hornell, *Madras Fish. Bull.* XI, p. 93 (Tuticorin).  
 1929. *Dussumieria acuta*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Dussumieria acuta*, Deraniyagala, *Spolia Zeylan.* XV, p. 33 (Ceylon).  
 1933. *Dussumieria acuta*, Deraniyagala, *Ceylon Journ. Sci. (C)* V, p. 82 (Ceylon).  
 1933. *Dussumieria acuta*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1941. *Dussumieria acuta*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 570.  
 1941. *Dussumieria acuta*, Herre, *Mem. Ind. Mus.* XIII, p. 334 (Andamans).

*Distribution.*—South Arabia, India, Ceylon, Malay Peninsula, Malay Archipelago, China, Philippines.

**Dussumieria hasselti** Blkr.

1851. *Dussumieria hasselti*, Bleeker, *Nat. Tijds. Ned. Ind.* I, p. 422 (type locality : Batavia, Cheribon, Samarang, Surabaya).  
 1870. *Dussumieria elopsoides* (nec Bleeker), Day, *Proc. Zool. Soc. London*, p. 701.  
 1878. *Dussumieria hasseltii*, Day, *Fish. India*, p. 647, pl. clxvi, fig. 5 (from Canara and the Coromandel Coast of India to the Malay Archipelago and China).



1889. *Dussumieria hasseltii*, Day, *Faun. Brit. Ind. Fish.* I, p. 399 (from Canara and the Coromandel Coast of India to the Malay Archipelago and China).  
 1913. *Dussumieria hasseltii*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 23.  
 1917. *Dussumieria hasseltii*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1924. *Dussumieria hasseltii*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 39 (Calicut).  
 1936. *Dussumieria hasseltii*, Hora & Mukerji, *Rec. Ind. Mus.* XXXVIII, p. 18 (Maungmagan, Burma).  
 1941. *Dussumieria hasseltii*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 572.  
 1941. *Dussumieria hasseltii*, Herre, *Mem. Ind. Mus.* XIII, p. 334 (Andamans).

*Distribution.*—India, Burma, Malay Peninsula, Malay Archipelago, Formosa, Queensland.

#### Genus **Ehirava** Deraniyagala.

1929. *Ehirava* Deraniyagala, *Spolia Zeylan.* XV, p. 34. (Type, *Ehirava fluviatilis* Deraniyagala, orthotypic.)

#### **Ehirava fluviatilis** Deraniyagala.

1929. *Ehirava fluviatilis*, Deraniyagala, *Spolia Zeylan.* XV, p. 34, pl. xiv (type locality: Piliandera, Kalutera S., Panadura, Digela, Kehelvatta, Kelaniya; according to Deraniyagala the type is in the British Museum).  
 1933. *Ehirava fluviatilis*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).

*Distribution.*—Ceylon.

#### Genus **Stolephorus** Lacépède.

1803. *Stolephorus* Lacépède, *Hist. Nat. Poiss.* V, p. 381. (Type, *Atherina japonica* Houttuyn, designated by Jordan & Gilbert, *U. S. Nat. Mus. Bull.* XVI, p. 272, 1883.)  
 1873. *Spratelloides* Bleeker, *Nat. Tijds. Ned. Ind.* II, p. 214. (Type, *Clupea argyrotaeniata* Blkr., orthotypic.)

#### **Stolephorus malabaricus** (Day).

1873. *Spratelloides malabaricus*, Day, *Proc. Zool. Soc. London*, p. 240 (type locality: Malabar).  
 1878. *Spratelloides malabaricus*, Day, *Fish. India*, p. 648, pl. clxi, fig. 5 (Western Coast of India, in rivers and estuaries).  
 1889. *Spratelloides malabaricus*, Day, *Faun. Brit. Ind. Fish.* I, p. 400, fig. 124.

*Distribution.*—India.

#### Subfamily *Clupeini*.

#### Genus **Harengula** Cuvier & Valenciennes.

1847. *Harengula* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 20. (Type, *Harengula tatulus* V. = *Clupea macrophthalma* Ranzani, designated by Gill, *Proc. Acad. Nat. Sci. Philad.*, p. 36, 1861.)

#### **Harengula punctata** (Rüpp.).

- 835-40. *Clupea punctata*, Rüppell, *Neue Wirbelth. Fische*, p. 78, pl. xxi, fig. 2 (type locality: Red Sea).

1847. *Sardinella lineolata*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 272 (type locality: Tranquemale, Ceylon).  
 1868. *Clupea moluccensis*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 427 (Moluca Sea; Ceylon).  
 1878. *Clupea klunzei*, Day, *Fish. India*, p. 636, pl. clxiii, fig. 1 (Ceylon, Andamans and Nicobars to the Malay Archipelago; the example figured was from the Andamans).  
 1889. *Clupea kunzei*, Day, *Faun. Brit. Ind. Fish.* I, p. 372 (Ceylon, Andamans and Nicobars to the Malay Archipelago).  
 1912. *Clupea kunzei*, Jenkins, *Rec. Ind. Mus.* VII, p. 59 (Puri, Orissa).  
 1913. *Clupea (Harengula) moluccensis*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 81, fig. 28.  
 1929. *Clupea (Harengula) moluccensis*, Deraniyagala, *Spolia Zeylan.* XV, p. 43 (Ceylon).  
 1939. *Harengula punctata*, Herre, *Rec. Ind. Mus.* XLI, p. 329 (Andamans).  
 1941. *Harengula ovalis*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 589.  
 1941. *Harengula punctata*, Herre, *Mem. Ind. Mus.* XIII, p. 334.

*Distribution.*—Red Sea, Arabia, Zanzibar, Madagascar, Seychelles, India, Ceylon, Andamans, Nicobars, Singapore, Malay Archipelago, Japan, Queensland, Melanesia, Micronesia, Polynesia.

#### **Harengula vittata (C. V.).**

1847. *Clupeonia vittata*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 352 (type locality: Vanikora).  
 1878. *Clupea melanura*, Day, *Fish. India*, p. 641 (seas of India and the Malay Archipelago).  
 1889. *Clupea melanura*, Day, *Faun. Brit. Ind. Fish.* I, p. 378 (seas of India and the Malay Archipelago).  
 1913. *Clupea (Harengula) melanura*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 72.  
 1941. *Harengula vittata*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 596.

*Distribution.*—Reunion, Zanzibar, Madagascar, India, Malay Archipelago, Siam, Melanesia, Micronesia, Polynesia.

#### Genus **Sardinella** Cuvier & Valenciennes.

1847. *Sardinella* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 281. (Type, *Sardinella aurita* C.V., designated by Gill, *Proc. Acad. Nat. Sci. Philad.* p. 35, 1861).  
 1849. *Amblygaster* Bleeker, *Journ. Ind. Archipel.* III, p. 73. (Type, *Amblygaster clupeoides* Blkr., monotypic.)

#### **Sardinella albella (C. V.).**

1847. *Kowala albella*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 362, pl. dcii (type locality: Pondicherry).  
 1868. *Clupea albella*, Günther, *Cat. Fish. Brit. Mus.* VIII, p. 424 (Pondicherry).  
 1878. *Clupea brachysoma*, Day, *Fish. India*, p. 635, pl. clxiii, fig. 3 (East Coast of Africa, Seas of India to the Malay Archipelago).  
 1889. *Clupea brachysoma*, Day, *Faun. Brit. Ind. Fish.* I, p. 371 (East Coast of Africa, Seas of India to the Malay Archipelago).  
 1910. *Clupea brachysoma*, Jenkins, *Rec. Ind. Mus.* V, p. 131 (Karachi).  
 1913. *Clupea (Harengula) brachysoma*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 70, fig. 25.  
 1917. *Sardinella brachysoma*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 381 (Madras).  
 1941. *Sardinella albella*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 605.

*Distribution.*—India, Malay Archipelago, Siam

***Sardinella clupeioides* (Blkr.).**

1849. *Amblygaster clupeioides*, Bleeker, *Journ. Ind. Archipel.* III, p. 73 (type locality : Macassar) (error).  
 1933. *Sardinella clupeioides*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 83 (Ceylon).  
 1941. *Sardinella clupeioides*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 619.

*Distribution.*—Ceylon, Malaya, Malay Archipelago, Philippines, Japan.

***Sardinella dayi* Reg.**

1917. *Sardinella dayi*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 381 (type locality : Karwar, India).  
 1924. *Sardinella dayi*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 36 (Calicut).  
 1941. *Sardinella dayi*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 604.

*Distribution.*—Mauritius, India, Philippines.

***Sardinella fimbriata* (C. V.).**

1847. *Spratella fimbriata*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 359, pl. dc (type locality : Malabar).  
 1865. *Spratella fimbriata*, Day, *Fish. Malabar*, p. 233 (Malabar).  
 1865. *Spratella fimbriata*, Kner, *Reise Novara Fische*, p. 329 (Madras).  
 1878. *Clupea fimbriata* (part), Day, *Fish. India*, p. 637, pl. clxi, fig. 3 (Red Sea, seas of India to the Malay Archipelago ; the example figured, life-size, was from Vizagapatam).  
 1889. *Clupea fimbriata* (part), Day, *Faun. Brit. Ind. Fish.* I, p. 373 (Red Sea, seas of India to the Malay Archipelago).  
 1913. *Clupea (Harengula) fimbriata* (part), Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 75, nec fig. 26.  
 1916. *Clupea fimbriata*, Govindan, *Madras Fish. Bull.* IX, p. 114 (East Coast).  
 1917. *Sardinella fimbriata*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 382 (Akyab, Orissa, Malabar).  
 1929. *Clupea fimbriata*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Clupea (Harengus) fimbriata*, Deraniyagala, *Spolia Zeylan.* XV, p. 41, pl. xviii, fig. 3 (Ceylon).  
 1933. *Clupea fimbriata*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1941. *Sardinella fimbriata*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 609.

*Distribution.*—India, Ceylon, Burma, Singapore, Malay Archipelago, Siam, Indo-China, China.

***Sardinella gibbosa* (Blkr.).**

1849. *Clupea gibbosa*, Bleeker, *Journ. Ind. Archipel.* III, p. 72 (type locality : Macassar).  
 1878. *Clupea fimbriata* (part), Day, *Fish. India*, p. 637.  
 1889. *Clupea fimbriata* (part), Day, *Faun. Brit. Ind. Fish.* I, p. 373.  
 1913. *Clupea (Harengula) fimbriata* (part), Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 75, fig. 26.  
 1917. *Sardinella gibbosa* Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 383 (Ganjam, Madras).  
 1933. *Clupea (Harengula) gibbosa*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).  
 1941. *Sardinella jussieu*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 611.

*Distribution.*—East Africa, India, Ceylon, Malay Archipelago, Philippines, Australia, Micronesia, Polynesia.

**Sardinella longiceps** C. V

1847. *Sardinella longiceps*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 273 (type locality : Pondicherry).  
 1847. *Sardinella neohowii*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 274 (type locality : Cananor ; Malabar).  
 1847. *Alausa scombrina*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 442, (type locality : Cananor ; Malabar).  
 1865. *Sardinella Neohowii*, Day, *Fish. Malabar*, p. 220 (Malabar).  
 1868. *Clupea longiceps*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 428 (Pondicherry).  
 1868. *Clupea scombrina*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 448 (Cochin).  
 1878. *Clupea longiceps*, Day, *Fish. India*, p. 637, pl. clxi, fig. 2 (Sind down to the Western coast of India, more rarely on the Eastern, Ceylon, the Andamans to the Malay Archipelago).  
 1889. *Clupea longiceps*, Day, *Faun. Brit. Ind. Fish.* I, p. 373 (Sind down to the Western coast of India, more rarely on the Eastern, Ceylon, the Andamans to the Malay Archipelago).  
 1910. *Clupea longiceps*, Jenkins, *Rec. Ind. Mus.* V, p. 131 (Karachi).  
 1913. *Clupea (Harengula) longiceps*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 82.  
 1917. *Sardinella longiceps*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 379 (India).  
 1917. *Clupea longiceps*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1924. *Sardinella longiceps*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 36 (Calicut).  
 1924. *Sardinella longiceps*, Hornell & Nayadu, *Madras Fish. Bull.* XVIII, p. 129 (Madras).  
 1929. *Clupea longiceps*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Clupea (Harengus) longiceps*, Deraniyagala, *Spolia Zeylan.* XV, p. 44, pl. xviii, fig. 11 (Ceylon).  
 1933. *Sardinella longiceps*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 83 (Ceylon).  
 1933. *Clupea longiceps*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1941. *Sardinella longiceps*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 603.  
 1941. *Sardinella longiceps*, Herre, *Mem. Ind. Mus.* XIII, p. 334 (Andamans).

*Distribution.*—Arabia, Seychelles, Ceylon, India, Andamans, Malay Archipelago, Philippines.

**Sardinella melanura** (C.).

1829. *Clupea melanura*, Cuvier, *Règne Animal* II, ed. 2, p. 318 (on Lacépède).  
 1847. *Clupeonia commersoni*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 350 (type locality : Bombay).  
 1870. *Clupea atricauda*, Day, *Proc. Zool. Soc. London*, p. 701 (Andamans).  
 1878. *Clupea atricauda*, Day, *Fish. India*, p. 636, pl. clxiv, fig. 5 (Andamans to the Malay Archipelago ; the example figured was from Port Blair).  
 1889. *Clupea atricauda*, Day, *Faun. Brit. Ind. Fish.* I, p. 372 (Andamans to the Malay Archipelago).  
 1913. *Clupea (Harengula) atricauda*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 80.  
 1917. *Sardinella melanura*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 384.  
 1917. *Clupea atricauda*, Hornell, *Madras Fish. Bull.* XI, p. 91 (Tuticorin).  
 1929. *Clupea atricauda*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1933. *Clupea (Harengula) melanura*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).  
 1941. *Sardinella melanura*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 614  
 1941. *Sardinella melanura*, Herre, *Mem. Ind. Mus.* XIII, p. 334 (Andamans).

*Distribution.*—East Coast of Africa, Madagascar, India, Ceylon, Andamans, Malay Archipelago, Hainan, China, Micronesia, Polynesia.

**Sardinella sindensis** (Day).

1878. *Clupea Sindensis*, Day, *Fish. India*, p. 638, pl. clxiii, fig. 2 (type locality : Karachi; type is in the Zoological Survey of India; the example figured, life-size, was from Karachi).  
 1889. *Clupea sindensis*, Day, *Faun. Brit. Ind. Fish.* I, p. 374 (seas of the Seychelles, Sind and Bombay).  
 1910. *Clupea sindensis*, Jenkins, *Rec. Ind. Mus.* V, p. 131 (Karachi).  
 1917. *Sardinella sindensis*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 383 (Sind, Bombay).  
 1917. *Clupea sindensis*, Hornell, *Madras Fish. Bull.* XI, p. 91 (Tuticorin).  
 1929. *Clupea sindensis*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1933. *Clupea sindensis*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1941. *Sardinella sindensis*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 611.

*Distribution.*—Seychelles, India, Singapore, Amboina, Philippines, Formosa.

**Sardinella sirm** (Rüpp.).

- 1835-40. *Clupea sirm*, Rüppell, *Neue Wirbelth. Fische*, p. 77, pl. xxi, fig. 1 (type locality : Red Sea, Massaua).  
 1847. *Sardinella leiogaster*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 270 (type locality : Trincomalee, Ceylon).  
 1878. *Clupea leiogaster*, Day, *Fish. India*, p. 636 (Ceylon to the Malay Archipelago).  
 1889. *Clupea leiogaster*, Day, *Faun. Brit. Ind. Fish.* I, p. 372 (Ceylon to the Malay Archipelago).  
 1913. *Clupea (Amblygaster) leiogaster*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 61.  
 1917. *Clupea leiogaster*, Hornell, *Madras Fish. Bull.* XI, p. 91 (Tuticorin).  
 1933. *Sardinella leiogaster*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 83 (Ceylon).  
 1941. *Sardinella sirm*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 616.

*Distribution.*—Red Sea, Arabia, Zanzibar, India, Ceylon, Malay Archipelago, China, Micronesia, Polynesia.

Genus **Hilsa** Regan.

1916. *Paralosa* (nec Bleeker) Regan, *Ann. Durban Mus.* I, p. 167. (Type, *Paralosa durbanensis* Reg., monotypic) (inadmissible).  
 1917. *Hilsa* Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 303. (Type, *Paralosa durbanensis* Reg.).

**Hilsa ilisha** (Ham.).

1822. *Clupanodon ilisha*, Hamilton, *Fish. Ganges*, p. 243, pl. xix, fig. 75 (type locality : Ganges estuaries, Patna, Goyalpara, Calcutta, Dhaka=Dacca).  
 1829. *Clupea palasah* Cuvier, *Règne Animal* II, ed. 2, p. 320 [on *Palasah* Russell, *Fish. Coromandel* II, p. 77, pl. cxviii, 1803 (type locality : Vizagapatam)].  
 1847. *Alausa palasah* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 432 (Bombay).  
 1865. *Alausa palasah*, Day, *Fish. Malabar*, p. 235 (Malabar).  
 1865. *Alausa palasah*, Kner, *Reise Novara Fische*, p. 331 (Ceylon).  
 1868. *Clupea palasah*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 445 (Ganges, Cochin).  
 1873. *Clupea palasah*, Day, *Rep. Freshwater Fish. India & Burma*, p. 22 (Indus, Cauveri, Hoogli, Irrawadi).  
 1878. *Clupea ilisha*, Day, *Fish. India*, p. 640, pl. clxxii, fig. 3 (Persian Gulf ascending the Tigris, the coasts of Sind, India and Burma, passing up the large rivers to breed, also the Malay Archipelago, Day collected them as high as Delhi and Hamilton recorded them from Agra and Cawnpore).  
 1889. *Clupea ilisha*, Day, *Faun. Brit. Ind. Fish.* I, p. 376, fig. 115.  
 1896. *Clupea (Alosa) ilisha*, Steindachner, *Ann. Hofmus Wien* XI, p. 228 (Rangoon).  
 1907. *Clupea ilisha*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).

1910. *Clupea ilisha*, De, *Rep. Fish. East. Bengal & Assam*, p. 18 (Eastern Bengal and Assam).  
 1911. *Clupea ilisha*, Maxwell, *Rep. Inland Fish. Thongwa, Mgangmya and Bassein Dts.*, p. 85 (Burma).  
 1913. *Clupea ilisha*, Southwell, *Rec. Ind. Mus.* IX, pp. 88, 296 (Monghyr, Buxar, Calcutta, Diamond Harbour).  
 1916. *Clupea ilisha*, Raj, *Rec. Ind. Mus.* XII, p. 252 (Tanjore).  
 1916. *Clupea ilisha*, Govindan, *Madras Fish. Bull.* IX, p. 115 (East Coast).  
 1917. *Hilsa ilisha*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 306 (Persian Gulf to Burma).  
 1917. *Clupea ilisha*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1937. *Hilsa ilisha*, Shaw & Shebbeare, *Journ. Roy. As. Soc. Bengal Sci.* III, p. 13, fig. 4 (Sara Ghat).  
 1938. *Hilsa ilisha*, Hora, *Rec. Ind. Mus.* XL, p. 147 (Pulta, Nawabgunge).  
 1940. *Hilsa ilisha* Hora & Nair, *Rec. Ind. Mus.* XLII, p. 35 (East Bengal).  
 1940. *Hilsa ilisha*, Prashad, Hora & Nair, *Rec. Ind. Mus.* XLII, p. 529 (Chandipore, Goalundo).  
 1941. *Macrura ilisha*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 633.

*Distribution.*—Iraq, Persian Gulf, India, Ceylon, Burma, Philippines.

### **Hilsa kanagurta (Blkr.).**

1852. *Aloosa kanagurta*, Bleeker, *Verh. Bot. Gen (Haring.)* XXIV, pp. 13, 34 (type locality : Batavia, Muntok, East Indies).  
 1878. *Clupea kanagurta*, Day, *Fish. India*, p. 640, pl. clxii, fig. 4 (East Coast of Africa ; Sind, Coasts of India to the Malay Archipelago).  
 1889. *Clupea kanagurta*, Day, *Faun. Brit. Ind. Fish.* I, p. 377 (East Coast of Africa ; Sind, Coasts of India to the Malay Archipelago).  
 1913. *Clupea (Aloosa) kanagurta*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 67.  
 1917. *Hilsa kanagurta*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 304 (Zanzibar to Malay Archipelago).  
 1924. *Hilsa blochii*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 3 (Bombay).  
 1929. *Clupea kanagurta*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Clupea (Aloosa) kanagurta*, Deraniyagala, *Spolia Zeylan.* XV, p. [39 (Ceylon).  
 1941. *Macrura kelee*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 627.

*Distribution.*—Aden, Zanzibar, India, Ceylon, Malay, Siam, Malay Archipelago, Philippines.

### **Hilsa toli (C. V.).**

1847. *Aloosa toli*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 435 (type locality : Coromandel, Pondicherry).  
 1878. *Clupea toli*, Day, *Fish. India*, p. 641, pl. clxii, fig. 2 (from Bombay through the seas of India to the Malay Archipelago and China ; the example figured, life-size, was from Bombay).  
 1889. *Clupea toli*, Day, *Faun. Brit. Ind. Fish.* I, p. 377 (from Bombay through the seas of India to the Malay Archipelago and China).  
 1910. *Clupea toli*, De, *Rep. Fish. East. Bengal & Assam*, p. 18 (Chittagong).  
 1913. *Clupea (Aloosa) toli*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 64.  
 1917. *Hilsa toli*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 306 (India).  
 1929. *Clupea toli*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Clupea (Aloosa) toli*, Deraniyagala, *Spolia Zeylan.* XV, p. 39 (Ceylon).  
 1941. *Macrura sinensis*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 631.

*Distribution.*—India, Ceylon, Malay Peninsula, Malay Archipelago, Siam, Formosa, China, Japan.

Genus **Gudusia** Fowler.

1911. *Gudusia* Fowler, *Proc. Acad. Nat. Sci. Philad.* LXIII, p. 207. (Type, *Clupanodon chapra* Ham., orthotypic).

**Gudusia chapra** (Ham.).

1822. *Clupanodon chapra*, Hamilton, *Fish. Ganges*, pp. 248, 383 (type locality : upper parts of the Ganges).  
 1833-34. *Clupea Indica*, Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xci, figs. 1, 2 (type locality : India).  
 1833-34. *Clupea Champil*, Gray, *Ill. Ind. Zool. Hardwicke*, II, pl. xcii, fig. 2 (Indian Ocean).  
 1847. *Alausa microlepis*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 439 (type locality : Bengal).  
 1853. *Alausa microlepis*, Bleeker, *Verh. Bat. Gen.* (Bengal) XXV, pp. (74), 146 (Calcutta).  
 1868. *Clupea indica*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 444 (Ganges ; Assam ; Cachar).  
 1868. *Clupea chapra*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 447 (Bengal).  
 1869. *Clupea chapra*, Day, *Proc. Zool. Soc. London*, p. 385 (Orissa).  
 1878. *Clupea chapra*, Day, *Fish. India*, p. 639, pl. cxc, fig. 1 (fresh waters of rivers and tanks of Sind and throughout India as far south as the Kistna River but absent from the Malabar coast and Madras).  
 1889. *Clupea chapra*, Day, *Faun. Brit. Ind. Fish.* I, p. 375.  
 1907. *Clupea chapra*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).  
 1910. *Clupea chapra*, Jenkins, *Rec. Ind. Mus.* V, p. 140 (Monghyr).  
 1910. *Clupea chapra*, De, *Rep. Fish. East. Bengal & Assam*, p. 17 (Eastern Bengal, Sylhet).  
 1912. *Clupea subia*, Chaudhuri, *Rec. Ind. Mus.* VII, p. 437 (type locality : River Gandak in Saran, Bihar ; type is in the Zoological Survey of India).  
 1917. *Gudusia chapra*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 307 (Northern India, Sind to Assam).  
 1933. *Clupea chapra*, Sorley, *Marine Fish. Bombay Presidency*, p. 170 (Bombay).  
 1937. *Gadusia chapra*, Shaw & Shebbeare, *Journ. Roy. As. Soc. Bengal Sci.* III, p. 12 (Siliguri Bazaar).  
 1941. *Gudusia chapra*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 634 (Ganges River, India).

*Distribution.*—India, Pinang, Philippines.

**Gudusia variegata** (Day).

1869. *Clupea variegata*, Day, *Proc. Zool. Soc. London*, p. 623 (type locality : Irrawaddi River and its branches ; type is in the Zoological Survey of India).  
 1878. *Clupea variegata*, Day, *Fish. India*, pl. 639, p. clxi, fig. 4 (Irrawaddi and its branches).  
 1889. *Clupea variegata*, Day, *Faun. Brit. Ind. Fish.* I, p. 375.  
 1890. *Clupea variegata*, Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova* (2) IX, p. 350 (Irrawaddi).  
 1907. *Clupea variegata*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).  
 1910. *Clupea variegata*, Jenkins, *Rec. Ind. Mus.* V, p. 138 (Mandalay).  
 1917. *Gudusia variegata*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 308 (Burma).  
 1924. *Gudusia variegata*, Myers, *Amer. Mus. Nov.* No. 150, p. 1 (Burma).  
 1929. *Gudusia variegata*, Prashad & Mukerji, *Rec. Ind. Mus.* XXXI, p. 209 (Myitkyina).  
 1941. *Gudusia variegata*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 635.

*Distribution.*—Burma, Philippines.

Genus **Kowala** Cuvier & Valenciennes.

1847. *Kowala* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 362. (Type, *Clupea kowal* Rüpp., tautotypic).  
 1850. *Clupeoides* Bleeker, *Nat. Tijds. Nat. Ind.* I, p. 274. (Type, *Clupeoides borneensis* Blkr., monotypic).

**Kowala coval** (C.).

1829. *Clupea coval*, Cuvier, *Règne Animal* II, ed. 2, p. 318 [ on *Kowal* Russell, *Fish. Coromandel* II, p. 70, pl. clxxxvi, upper fig. 1803 (type locality : Vizagapatam) ].
1847. *Kowala thoracata*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 363 (type locality : Pondicherry : according to Regan the type is in the Paris Museum).
1847. *Meletta lile*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 378 (type locality : Coromandel, Pondicherry ; according to Regan the type is in the Paris Museum).
1868. *Clupea lile*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 450.
1878. *Clupea lile*, Day, *Fish. India*, p. 638, pl. clxii, fig. 1 (seas of India and Burma to the Malay Archipelago ; the example figured, life-size, was from Bombay).
1889. *Clupea lile*, Day, *Faun. Brit. Ind. Fish.* I, p. 374.
1907. *Clupea lile*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).
1910. *Clupea lile*, Jenkins, *Rec. Ind. Mus.* V, p. 131 (Karachi).
1913. *Clupeoides lile*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 57, fig. 22.
1913. *Clupea (Harengula) thoracata*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 78.
1922. *Kowala thoracata*, Regan, *Ann. Mag. Nat. Hist.* (9) X, p. 588 (Karachi to New Guinea).
1929. *Clupeoides lile*, Deraniyagala, *Spolia Zeylan.* XV, p. 36 (Ceylon).
1933. *Kowala thoracata*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).
1940. *Clupeoides lile*, Herre, *Rec. Ind. Mus.* XLII, p. 9 (Mergui).
1941. *Kowala coval*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 638.

*Distribution.*—India, Ceylon, Burma, Malaya, Malay Archipelago, China.

Genus **Corica** Hamilton.

1822. *Corica* Hamilton, *Fish. Ganges*, pp. 253, 383. (Type, *Corica soborna* Ham., monotypic.)

**Corica soborna** Ham.

1822. *Corica soborna*, Hamilton, *Fish. Ganges*, pp. 253, 383 (type locality : Mahananda River).
- 1833-34. *Corica Guborni*, Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xci, figs. 7, 8 (India).
1878. *Corica soborna*, Day, *Fish. India*, p. 642, pl. clxii, fig. 5 (Orissa and Bengal ; the example figured, life-size, was from Orissa).
1889. *Corica soborna*, Day, *Faun. Brit. Ind. Fish.* I, p. 378 (Orissa and Bengal).
1910. *Corica soborna*, De, *Rep. Fish. East. Bengal & Assam*, p. 18 (Tippera, Assam, Eastern Bengal).
1929. *Corica soborna*, Hora, *Mem. Ind. Mus.* IX, p. 188.
1941. *Corica soborna*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 644.

*Distribution.*—India, Philippines.

Genus **Ilisha** Richardson.

1846. *Ilisha* (Gray) Richardson, *Ichth. China Japan*, p. 306. (Type, *Ilisha abnormis* Rich., monotypic.)

**Ilisha brachysoma** (Blkr.).

1852. *Pellona brachysoma*, Bleeker, *Verh. Bat. Gen.* XXIV, p. 22 (type locality : Batavia).
1878. *Pellona brachysoma*, Day, *Fish. India*, p. 645, pl. clxiv, fig. 2 (seas of India to the Malay Archipelago ; the example figured was from Cochin).
1889. *Pellona brachysoma*, Day, *Faun. Brit. Ind. Fish.* I, p. 382.
1913. *Pellona brachysoma*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 87.



1916. *Pellona brachysoma*, Govindan, *Madras Fish. Bull.* IX, p. 113 (East Coast).  
 1923. *Ilisha brachysoma*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 3.  
 1929. *Pellona brachysoma*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1933. *Clupea (Harengula) brachysoma*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).  
 1941. *Ilisha brachysoma*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 652.

*Distribution.*—India, Ceylon, Malaya, Malay Archipelago, Cochin-china.

### ***Ilisha elongata* (Benn.).**

1830. *Alosa elongata*, Bennett, *Mem. Life Raffles*, p. 691 (type locality : Sumatra)  
 1833-34. *Clupea offinis*, Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xcvi (type locality : India).  
 1878. *Pellona elongata*, Day, *Fish. India*, p. 643, pl. clxiv, fig. 3, pl. clxv, fig. 1 (seas of India to the Malay Archipelago China, and Japan; the example figured pl. clxiv, fig. 3, half natural size, was from Sind and the example figured pl. clxv, fig. 1, half natural size, was from Bombay).  
 1889. *Pellona elongata*, Day, *Faun. Brit. Ind. Fish.* I, p. 380, fig. 117.  
 1913. *Pellona elongata*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 90, fig. 30.  
 1917. *Pellona elongata*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1923. *Ilisha elongata*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 7 (India).  
 1928. *Ilisha elongata*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 103 (Bombay).  
 1929. *Pellona elongata*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1933. *Ilisha elongata*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).  
 1941. *Ilisha elongata*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 661.

*Distribution.*—India, Ceylon, Malaya, Malay Archipelago, Siam, Cochinchina, Formosa, China, Japan.

### ***Ilisha filigera* (C. V.).**

1847. *Pellona filigera*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 322, (type locality : Coromandel ; Bombay).  
 1878. *Pellona filigera*, Day, *Fish. India*, p. 643, pl. clxv, fig. 4 (Bombay).  
 1889. *Pellona filigera*, Day, *Faun. Brit. Ind. Fish.* I, p. 380 (Bombay).  
 1917. *Pellona filigera*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1923. *Ilisha filigera*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 10 (Coasts of India).  
 1941. *Ilisha filigera*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 658.

*Distribution.*—India, Philippines.

### ***Ilisha indica* (Swms.).**

1839. *Platygaster indicus*, Swainson, *Nat. Hist. Animals* II, p. 294 [on *Ditchoe*. Russell, *Fish. Coromandel* II, p. 74, pl. cxcii, upper fig., 1803 (type locality : Vizagapatam)].  
 1878. *Pellona indica*, Day, *Fish. India*, p. 644, pl. clxiv, fig. 4 (East Coast of Africa, seas of India to the Malay Archipelago).  
 1889. *Pellona indica*, Day, *Faun. Brit. Ind. Fish.* I, p. 381 (East Coast of Africa, seas of India to the Malay Archipelago).  
 1907. *Pellona indica*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).  
 1912. *Pellona indica*, Jenkins, *Rec. Ind. Mus.* VII, p. 57 (Akyab).  
 1913. *Pellona ditchoa*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 88.  
 1923. *Ilisha indica*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 4 (India).  
 1941. *Ilisha indica*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 652.

*Distribution.*—East Africa, India, Burma, Malay Peninsula, Malay Archipelago, Siam, China.

**Ilisha kampeni** (Web. de Bfrt.).

1913. *Pellona kampeni*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 87 (type locality: Java (Batavia?); Borneo (Balikpapan?)).  
 1923. *Ilisha kampeni*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 5 (Madras).  
 1941. *Ilisha kampeni*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 654.

*Distribution.*—India, Malay Archipelago.

**Ilisha leschenaulti** (C. V.).

1847. *Pellona Leschenaulti*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 311 (type locality: Pondicherry).  
 1868. *Pellona leschenaultii*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 459 (Pondicherry).  
 1878. *Pellona leschenaultii*, Day, *Fish. India*, p. 646 (Pondicherry).  
 1889. *Pellona leschenaultii*, Day, *Faun. Brit. Ind. Fish.* I, p. 383 (Pondicherry).  
 1923. *Ilisha leschenaultii*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 6 (Pondicherry).  
 1941. *Ilisha leschenaulti*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 651.

*Distribution.*—India.

**Ilisha melastoma** (C.).

1829. *Clupea melastoma* Cuvier, *Règne Animal* II, ed. 2, p. 319 [*Jangarloo* Russell, *Fish. Coromandel* II, p. 73, pl. cxcī, 1803 (type locality: Vizagapatam)].  
 1839. *Platygaster megaloptera*, Swainson, *Nat. Hist. Animals* II, p. 294 (on *Jangarloo* Russell).  
 1847. *Pellona dussumieri*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 316, pl. clxxvi (type locality: Malabar; Coromandel; Bombay).  
 1847. *Pellona micropus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 320 (type locality: Coromandel; Bengal).  
 1868. *Pellona dussumieri*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 457.  
 1878. *Pellona megaloptera*, Day, *Fish. India*, p. 645, pl. clxv, fig. 2 (seas of India to the Malay Archipelago).  
 1889. *Pellona megaloptera*, Day, *Faun. Brit. Ind. Fish.* I, p. 382.  
 1916. *Pellona megaloptera*, Govindan, *Madras Fish. Bull.* IX, p. 113 (East Coast).  
 1923. *Ilisha megaloptera*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 10 (India).  
 1941. *Ilisha melastoma*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 659.

*Distribution.*—India, Malay Peninsula, Malay Archipelago, Siam, CochinChina.

**Ilisha motius** (Ham.).

1822. *Clupanodon motius*, Hamilton, *Fish. Ganges*, pp. 251, 383 (type locality: the Brahmaputra River).  
 1833-34. *Clupea Motius*, Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xci, figs. 3-4 (India).  
 1847. *Pellona motius*, Cuvier & Valenciennes, *Hist. Nats. Pois.* XX, p. 323 (Ganges mouth).  
 1878. *Pellona motius*, Day, *Fish. India*, p. 643, pl. clxv, fig. 3 (Assam, Bengal and Orissa, descending as low as coast; the example figured, life-size, was from Orissa).  
 1889. *Pellona motius*, Day, *Faun. Brit. Ind. Fish.* I, p. 381.  
 1923. *Ilisha motius*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 5 (Assam; Bengal).  
 1941. *Ilisha motius*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 655.

*Distribution.*—India, Philippines.

**Ilisha novacula** (C. V.).

1847. *Pellona novacula*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 319 (type locality: Rangoon).

1913. *Pellona novacula*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 92.

1923. *Ilisha novacula*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 8 (Burma).

1941. *Ilisha novacula*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 657.

*Distribution.*—Burma, Java, China, Philippines.

### ***Ilisha sladeni* (Day).**

1869. *Pellona sladeni*, Day, *Proc. Zool. Soc. London*, p. 623 (type locality : Irrawaddi at Mandalay, Burma ; type is in the Zoological Survey of India).

1878. *Pellona sladeni*, Day, *Fish. India*, p. 645, pl. clxiv, fig. 1 (Irrawaddi as high as Mandalay).

1889. *Pellona sladeni*, Day, *Faun. Brit. Ind. Fish.* I, p. 383.

1923. *Ilisha sladeni*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 6 (Irrawaddi and Sittang Rivers).

1941. *Ilisha sladeni*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 657.

*Distribution.*—Burma, Philippines.

### Genus ***Pellona*** Cuvier & Valenciennes.

1847. *Pellona* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 300. (Type, *Pellona orbignyana* C. V., designated by Gill, *Proc. Acad. Nat. Sci. Philad.*, p. 38, 1861.)

1923. *Neosteus* Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 17. (Type, *Pellona ditchela* C. V., designated by Norman, *Zool. Rec. Pisces*, p. 25, 1923.)

### ***Pellona ditchela* C. V**

1847. *Pellona ditchela*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 314 [on *Ditchelee* Russell, *Fish. Coromandel* II, p. 72, pl. clxxxviii, 1803 (type locality : Vizagapatam)].

1878. *Pellona ditchela*, Day, *Fish. India*, p. 644, pl. clxv, fig. 5 (Coromandel Coast ; Madras).

1878. *Pellona Hoevenii*, Day, *Fish. India*, p. 644, pl. clxv, fig. 6 (Coromandel Coast to the Malay Archipelago).

1889. *Pellona ditchela*, Day, *Faun. Brit. Ind. Fish.* I, p. 381 (Coromandel Coast).

1889. *Pellona hoevenii*, Day, *Faun. Brit. Ind. Fish.* I, p. 382 (Coromandel Coast to the Malay Archipelago).

1923. *Neosteus ditchela*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 17 (East Africa to Indo-Australian Archipelago).

1933. *Neosteus ditchela*, Deraniyagala, *Ceylon Journ. Sci.*(C) V, p. 83 (Ceylon).

1940. *Ilisha ditchela*, Herre, *Rec. Ind. Mus.* XLII, p. 9 (Julia Island ; Mergui Market).

1941. *Pellona ditchela*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 648.

*Distribution.*—East Africa, Madagascar, India, Ceylon, Burma, Malaya, Malay Archipelago, Siam, Queensland.

### Genus ***Opisthopterus*** Gill.

1861. *Opisthopterus* Gill, *Proc. Acad. Nat. Sci. Philad.*, p. 38. (Type, *Fristigaster tartoor* C. V., orthotypic.)

### ***Opisthopterus tardoore* (C).**

1829. *Pristigaster tardoore*, Cuvier, *Règne Animal* II, ed. 2, p. 321 [on *Tartoore* Russell, *Fish. Coromandel* II, p. 74, pl. cxciii, lower fig., 1803 (type locality : Vizagapatam)].

1847. *Pristigaster tartoor*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 328 (Coromandel, Malabar).

1865. *Pristigaster tartoor*, Day, *Fish. Malabar*, p. 232 (Malabar).

1878. *Opisthopterus tartoor*, Day, *Fish. India*, p. 646, pl. clxiii, fig. 5 (from Gwadur in Baluchistan and Sind through the seas of India to the Malay Archipelago).  
 1889. *Opisthopterus tartoor*, Day, *Faun. Brit. Ind. Fish.* I, p. 384.  
 1913. *Opisthopterus tartoor*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 95, fig. 31.  
 1917. *Opisthopterus tartoor*, Hornell, *Madras Fish. Bull.* XI, p. 93 (Tuticorin).  
 1923. *Opisthopterus indicus*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 12 (Coasts of India).  
 1924. *Opisthopterus tartoor*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 38 (Calicut).  
 1929. *Opisthopterus tartoor*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Opisthopterus macrognathus*, Deraniyagala, *Spolia Zeylan.* XV, p. 45 (Ceylon).  
 1933. *Opisthopterus indicus*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 83 (Ceylon).  
 1940. *Opisthopterus tardoore*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 663.  
 1941. *Opisthopterus macrognathus*, Herre, *Rec. Ind. Mus.* XLII, p. 9 (Julia Island, Mergui Archipelago).

*Distribution.*—India, Ceylon, Burma, Malaya, Malay Archipelago, Siam, China.

#### Genus **Raconda** Gray.

1831. *Raconda* Gray, *Zool. Miscell.* I, p. 9. (Type, *Raconda russelliana* Gray monotypic.)  
 1833-34. *Apterygia* Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xcii, fig. 1. (Type, *Apterygia ramcarata* Gray, monotypic.)

#### **Raconda russelliana** Gray.

1831. *Raconda russelliana*, Gray, *Zool. Miscell.* I, p. 9 (type locality: Saugor Rocks; according to Norman the type is in the British Museum).  
 1833-34. *Apterygia Ramcarata*, Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xcii, fig. 1 (type locality: Saugor Rocks; according to Norman the type is in the British Museum).  
 1868. *Pristigaster russellianus*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 462 (Bengal).  
 1878. *Raconda russelliana*, Day, *Fish. India*, p. 646, pl. clxiii, fig. 4 (Bay of Bengal to the Malay Archipelago, the young are common in the Sunderbunds).  
 1889. *Raconda russelliana*, Day, *Faun. Brit. Ind. Fish.* I, p. 384.  
 1912. *Raconda russelliana*, Jenkins, *Rec. Ind. Mus.* VII, p. 58 (Akyab).  
 1913. *Raconda russelliana*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 97, fig. 33.  
 1923. *Racondo russelliana*, Norman, *Ann. Mag. Nat. Hist.* (9) XI, p. 16 (Bay of Bengal).  
 1933. *Raconda russelliana*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1941. *Raconda russelliana*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 665.

*Distribution.*—India, Burma, Malay Peninsula, Malay Archipelago, Philippines, CochinChina.

#### Subfamily **DOROSOMATINI.**

#### Genus **Clupanodon** Lacépède.

1803. *Clupanodon* Lacépède, *Hist. Nat. Poiss.* V, p. 468. (Type, *Clupea thrissa* L., designated by Bleeker, *Atlas Ichth. Ind. Neerland* VI, p. 112, 1866-72.)  
 1815. *Thrissa* Rafinesque, *Analyse de la nature*, p. 88. (Type, *Clupea thrissa* L.).

**Clupanodon punctatus** (Schl.).

1846. *Chatoessus punctatus*, Schlegel, in Siebold's *Faun. Japonica Poiss.* pts. 10-14, p. 240, pl. cix, fig. 1 (type locality: Bays on coast of S. W. Japan).

1865. *Chatoessus punctatus*, Kner, *Reise, Novara Fische*, p. 336 (Madras).

1941. *Clupanodon punctatus*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 559.

*Distribution.*—India, Philippines, China, Japan, Polynesia.

**Clupanodon thrissa** (L.).

1758. *Clupea thrissa*, Linnaeus, *Syst. Nat.* I, ed. 10, p. 318 (type locality: Indian Ocean).

1928. *Clupanodon thrissa*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 103 (Bombay).

1933. *Clupanodon thrissa*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).

1941. *Clupanodon thrissa*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 557.

*Distribution.*—India, Ceylon, Philippines, China, Formosa, Japan.

Genus **Gonialosa** Regan.

1917. *Gonialosa* Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 315. (Type, *Chatoessus modestatus*, Day, orthotypic.)

1931. *Indialosa* Herre & Myers, *Lingnan Sci. Journ.* No. 10, p. 228. (Type, *Clupanodon manmina* Ham., orthotypic.)

**Gonialosa manmina** (Ham.).

1822. *Clupanodon manmina*, Hamilton, *Fish. Ganjes*, pp. 247, 383 (type locality: most of the freshwater branches of the Ganges).

1878. *Chatoessus manminna*, Day, *Fish. India*, p. 633, pl. clx, fig. 2 (fresh waters of Sind, and the districts watered by the Indus and its branches, also the affluents and main streams of the Ganges; Jumna, Brahmaputra and Mahanuddi. It is spread through the tanks and estuaries of India and Assam, except the Deccan, Southern and Western India and Ceylon).

1889. *Chatoessus manminna*, Day, *Faun. Brit. Ind. Fish.* I, p. 387.

1917. *Gonialosa manmina*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 315 (Northern India and Assam).

1937. *Gonialosa manminna*, Shaw & Shebbeare, *Journ. Roy. As. Soc. Bengal, Sci.* III, p. 14 (Northern Bengal).

1940. *Gonialosa manmina*, Herre, *Rec. Ind. Mus.* XLII, p. 1 (Andamans).

1941. *Gonialosa manminna*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 548.

1941. *Gonialosa manmina*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution.*—India, Philippines.

**Gonialosa modestus** (Day).

1869. *Chatoessus modestus*, Day, *Proc. Zool. Soc. London*, p. 622 (type locality: Bassein River as high as Een-gay-gyee Lake, Burma; type is in the Zoological Survey of India).

1878. *Chatoessus modestus*, Day, *Fish. India*, p. 633, pl. clx, fig. 1 (along the Bassein River as high as the Een-gyee-Lake, also the Selwein at Moulmein).

1889. *Chatoessus modestus*, Day, *Faun. Brit. Ind. Fish.* I, p. 386.

1917. *Gonialosa modesta*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 315 (Burma).

1941. *Gonialosa modesta*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 548.

*Distribution.*—Burma, Philippines.

Genus **Nematalosa** Regan.

1917. *Nematalosa* Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 312. (Type, *Clupea nasus* Bl., orthotypic.)

**Nematalosa nasus** (Bl.).

- 1795 *Clupea nasus*, Bloch, *Naturg. ausland. Fische* IX, p. 116, pl. ccccxxix, fig. 1 (type locality : Malabar).  
 1801. *Clupea nasus*, Schneider, *Syst. Ichth. Bloch*, p. 426 (Malabar).  
 1833-34. *Chatoessus altus*, Gray, *Ill. Ind. Zool. Hardwicke* II, pl. xci, fig. 2 (type locality : India).  
 1848. *Chatoessus nasus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 104 (Pondicherry ; Bombay).  
 1865. *Chatoessus altus*, Day, *Fish. Malabar*, p. 245 (Malabar).  
 1868. *Chatoessus nasus*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 407.  
 1878. *Chatoessus nasus*, Day, *Fish. India*, p. 634, pl. clx, fig. 4 (seas of India, to the Malay Archipelago and the Philippine Islands).  
 1889. *Chatoessus nasus*, Day, *Faun. Brit. Ind. Fish.* I, p. 387.  
 1910. *Chatoessus nasus*, Jenkins, *Rec. Ind. Mus.* V, pp. 131, 135 (Karachi : Chilka Lake).  
 1912. *Chatoessus nasus*, Jenkins, *Rec. Ind. Mus.* VII, p. 60 (Puri).  
 1915. *Dorosoma nasus*, Chaudhuri, *Mem. Ind. Mus.* V, p. 417 (Chilka Lake).  
 1917. *Nematalosa nasus*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 313 (Sind ; Bombay ; Canara ; Madras ; Calicut ; Burma).  
 1929. *Chatoessus nasus*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1929. *Dorosoma nasus*, Deraniyagala, *Spolia Zeylan.* XV, p. 45 (Ceylon).  
 1941. *Nematalosa nasus*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 555.

*Distribution*.—Iraq, India, Ceylon, Burma, Philippines.

Genus **Anodontostoma** Bleeker.

1849. *Anodontostoma* Bleeker, *Verh. Bat. Gen. (Madura)* XXII, p. 15. (Type *Anodontostoma hasseltii* Blkr.)

**Anodontostoma chacunda** (Ham.).

1822. *Clupanodon chacunda*, Hamilton, *Fish. Ganges*, pp. 246, 383 (type locality : Gangetic estuaries).  
 1865. *Chatoessus chacunda*, Day, *Fish. Malabar*, p. 242 (Malabar).  
 1868. *Chatoessus chacunda*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 411 (Ganges).  
 1870. *Chatoessus chacunda*, Day, *Proc. Zool. Soc. London*, p. 700 (Andamans).  
 1876. *Chatoessus chacunda*, Martens, *Preuss. Exped. Ost. Asien* I, p. 404 (Malabar).  
 1878. *Chatoessus chacunda*, Day, *Fish. India*, p. 632, pl. clx, fig. 3 (seas and estuaries of India, Burma to the Malay Archipelago).  
 1889. *Chatoessus chacunda*, Day, *Faun. Brit. Ind. Fish.* I, p. 386.  
 1910. *Chatoessus chacunda*, Jenkins, *Rec. Ind. Mus.* V, p. 131 (Karachi).  
 1912. *Chatoessus chacunda*, Jenkins, *Rec. Ind. Mus.* VII, p. 58 (Akyab).  
 1913. *Dorosoma chacunda*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 25, fig. 14.  
 1915. *Dorosoma indicus*, Chaudhuri, *Mem. Ind. Mus.* V, p. 419 (Chilka Lake).  
 1917. *Chatoessus chacunda*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1917. *Anodontostoma chacunda*, Regan, *Ann. Mag. Nat. Hist.* (8) XIX, p. 316 (India).  
 1922. *Dorosoma indicus*, Hora, *Mem. Ind. Mus.* V, p. 764 (Chilka Lake).  
 1929. *Chatoessus chacunda*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 355 (Travancore).  
 1933. *Chatoessus chacunda*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1940. *Anodontostoma chacunda*, Herre, *Rec. Ind. Mus.* XLII, p. 10 (Mergui market).  
 1941. *Anodontostoma chacunda*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 549.  
 1941. *Anodontostoma chacunda*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution*.—India, Andamans, Burma, Malay Peninsula, Malay Archipelago, Siam, Philippines, Melanesia.

## FAMILY ENGRAULIDAE.

Genus *Setipinna* Swainson.

1839. *Setipinna* Swainson, *Nat. Hist. Animals* II, p. 292. [Type, *Setipinna megalura* Swns. = *Clupea phasa* (Ham.),]  
 1868. *Telara* Günther, *Cat. Fish. Brit. Mus.* VII, p. 400. (Type, *Clupea telara* Ham., tautotypic.)  
 1868. *Heterothrissa* Günther, *Cat. Fish. Brit. Mus.* VII, p. 401. (Type, *Exgraulis breviceps* Cant., monotypic.)

*Setipinna breviceps* (Cant.).

1849. *Engraulis breviceps*, Cantor, *Journ. As. Soc. Bengal* XVIII, p. 1288 (type locality : Pinang).  
 1878. *Engraulis breviceps*, Day, *Fish. India*, p. 628 (Bay of Bengal to the Malay Archipelago).  
 1889. *Engraulis breviceps*, Day, *Faun. Brit. Ind. Fish.* I, p. 392.  
 1907. *Engraulis breviceps*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).

*Distribution.*—India, Burma, Malay Peninsula, Malay Archipelago, Cochinchina, Philippines.

*Setipinna phasa* (Ham.).

1822. *Clupea phasa*, Hamilton, *Fish. Ganges*, pp. 240, 382 (type locality : brackish rivers of Bengal).  
 1822. *Clupea telara*, Hamilton, *Fish. Ganges*, pp. 241, 382, pl. ii, fig. 72 (type locality : high up in the Ganges, and in most of its larger branches and tributary streams).  
 1848. *Engraulis telara*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 56, pl. deviii (Ganges mouth ; Irrawaddi, Rangoon).  
 1848. *Engraulis phasa*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 59 (Bengal).  
 1853. *Engraulis telara*, Bleeker, *Verh. Bat. Gen. (Bengal)* XXV, pp. 74, 147 (Calcutta).  
 1868. *Engraulis telara*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 401 (Bengal : Cachar : River Hooghly).  
 1870. *Engraulis telara*, Day, *Proc. Zool. Soc. London* p. 700 (Andamans).  
 1878. *Engraulis telara*, Day, *Fish. India*, p. 627, pl. clviii, fig. 2 (Orissa, Bengal, Cachar and Burma ; Day collected *E. telara* as high up as Mandalay ; the example figured, life-size, was from Calcutta).  
 1889. *Engraulis telara*, Day, *Faun. Brit. Ind. Fish.* I, p. 392.  
 1910. *Engraulis telara*, Jenkins, *Rec. Ind. Mus.* V, p. 140 (Monghyr).  
 1910. *Engraulis telara*, De, *Rep. Fish. East. Bengal & Assam*, p. 19 (Eastern Bengal ; Malda).  
 1911. *Telara telara*, Fowler, *Proc. Acad. Nat. Sci. Philad.* p. 220 (Ganges River).  
 1926. *Setipinna telara*, Jordan & Seale, *Bull. Mus. Comp. Zool.* LXVII, p. 365 (Rangoon).  
 1941. *Setipinna phasa*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 688 (Rangoon ; Ganges River).  
 1941. *Setipinna telara*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution.*—India, Andamans, Burma, Philippines.

*Setipinna taty* (C.V.).

1848. *Engraulis taty*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 60 (type locality : Pondichery : Malacca).  
 1865. *Engraulis taty*, Day, *Fish. Malabar*, p. 240 (Malabar).  
 1878. *Engraulis taty*, Day, *Fish. India*, p. 628, pl. clviii, fig. 5 (seas and estuaries of India and the Malay Archipelago ; the example figured, life-size, was from Orissa).  
 1889. *Engraulis taty*, Day, *Faun. Brit. Ind. Fish.* I, p. 393.  
 1907. *Engraulis taty*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).  
 1917. *Engraulis taty*, Hornell, *Madras Fish. Bull.* XI, p. 91 (Tuticorin).

1926. *Setipinna taty*, Jordan & Seale, *Bull. Mus. Comp. Zool.* XLVII, p. 366 (Siam; Java; Colombo).  
 1940. *Setipinna taty*, Herre, *Rec. Ind. Mus.* XLII, p. 10 (Mergui).  
 1941. *Setipinna taty*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 689.

*Distribution.*—India, Ceylon, Burma, Malay Peninsula, Malay Archipelago, Siam, China.

#### Genus *Coilia* Gray.

1831. *Coilia* Gray, *Zool. Miscell.*, p. 9. (Type, *Coilia hamiltonii* Gray, monotypic.)

#### *Coilia borneensis* Blkr.

1851. *Coilia borneensis*, Bleeker, *Nat. Tijds. Nederland. Ind.* II, p. 58 (type locality: Bandjermassing).  
 1878. *Coilia Borneensis*, Day, *Fish. India*, p. 632, pl. clix, fig. 1 (Madras, Burma where it is common in the Irrawaddy river, also the Malay Archipelago).  
 1889. *Coilia borneensis*, Day, *Faun. Brit. Ind. Fish.* I, p. 398.  
 1890. *Coilia borneensis*, Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova* (2) IX, p. 352 (Rangoon).  
 1913. *Coilia borneensis*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 52.  
 1941. *Coilia borneensis*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 717.

*Distribution.*—India, Burma, Malay Archipelago, Siam, Philippines.

#### *Coilia cantoris* Blkr.

1853. *Coilia cantoris*, Bleeker, *Verh. Bai. Gen. (Bengal)* XXV, pp. 74, 148 (type locality: River Hooghly at Calcutta).  
 1868. *Coilia cantoris*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 402 (River Hooghly).  
 1878. *Coilia cantoris*, Day, *Fish. India*, p. 631 (Hooghly River).  
 1889. *Coilia cantoris*, Day, *Faun. Brit. Ind. Fish.* I, p. 396.  
 1941. *Coilia cantoris*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 715.

*Distribution.*—India, Philippines.

#### *Coilia dussumieri* C.V

1848. *Coilia Dussumieri*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 81, pl. dcx (type locality: Bombay, Mahe, Pondichery).  
 1865. *Coilia dussumieri*, Day, *Fish. Malabar*, p. 242 (Malabar).  
 1878. *Coilia Dussumieri*, Day, *Fish. India*, p. 631, pl. clviii, fig. 8 (very numerous at Bombay, seas and estuaries of India to the Malay Archipelago; the example figured, life-size, was from Orissa).  
 1889. *Coilia dussumieri*, Day, *Faun. Brit. Ind. Fish.* I, p. 397, fig. 122.  
 1913. *Coilia dussumieri*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 50, fig. 20.  
 1917. *Coilia dussumieri*, Kemp, *Rec. Ind. Mus.* XIII, p. 234 (Matlah River).  
 1927. *Coilia dussumieri*, Fowler, *Journ. Bombay Nat. Hist.* XXXII, p. 254 (Bombay).  
 1933. *Coilia dussumieri*, Sorley, *Marine Fish. Bombay Presidency*, p. 160 (Bombay).  
 1941. *Coilia dussumieri*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 714 (Bombay).

*Distribution.*—India, Malaya, Malay Archipelago, Philippines, Siam.

#### *Coilia quadragesimalis* C.V.

1848. *Coilia quadragesimalis*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 83 (type locality: the Ganges).  
 1868. *Coilia quadragesimalis*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 404.



1878. *Coilia quadragesimalis*, Day, *Fish. India*, p. 631 (Ganges River).  
 1889. *Coilia quadragesimalis*, Day, *Faun. Brit. Ind. Fish.* I, p. 397.  
 1926. *Coilia margaritifera*, Jordan & Seale, *Bull. Mus. Comp. Zool.* LXVII, p. 363 (type locality : Colombo, Ceylon).  
 1941. *Coilia quadragesimalis*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 713.

*Distribution.*—India, Ceylon, Philippines.

### ***Coilia ramcarati* (Ham.).**

1822. *Mystus ramcarati*, Hamilton, *Fish. Ganges*, pp. 233, 382 (type locality : salt water estuaries of the Ganges ; according to Günther (*loc. cit.*) the type is in the British Museum).  
 1868. *Coilia ramcarati*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 402 (Ganges ; Calcutta ; Borneo).  
 1878. *Coilia ramcarati*, Day, *Fish. India*, p. 631, pl. clix, fig. 2 (rivers and estuaries of Bengal).  
 1889. *Coilia ramcarati*, Day, *Faun. Brit. Ind. Fish.* I, p. 396.  
 1907. *Coilia ramcarati*, Lloyd, *Rec. Ind. Mus.* I, p. 221 (Akyab).  
 1941. *Coilia ramcarati*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 716.

*Distribution.*—India, Burma, Philippines.

### ***Coilia reynaldi* C.V.**

1848. *Coilia Reynaldi*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 81 (type locality : Irrawadi River, Rangoon).  
 1878. *Coilia Reynaldi*, Day, *Fish. India*, p. 630 (the Hooghly at Calcutta).  
 1889. *Coilia reynaldi*, Day, *Faun. Brit. Ind. Fish.* I, p. 396.  
 1941. *Coilia reynaldi*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 718.

*Distribution.*—India, Burma, Malaya, Philippines.

### **Genus *Anchoviella* Fowler.**

1911. *Anchoviella* Fowler, *Proc. Acad. Nat. Sci. Philad.*, p. 211. (Type, *Engraulis perfasciatus* Poey, orthotypic).

### ***Anchoviella commersonii* Lac.**

1803. *Stolephorus Commersonii*, Lacépède, *Hist. Nat. Poiss.* V, pp. 381, 382, pl. xii, fig. 1 (type locality : not mentioned).  
 1868. *Engraulis commersonianus*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 388 (Bengal).  
 1878. *Engraulis Commersonianus*, Day, *Fish. India*, p. 629, pl. clviii, fig. 1 (seas of India to the Malay Archipelago).  
 1889. *Engraulis commersonianus*, Day, *Faun. Brit. Ind. Fish.* I, p. 394.  
 1912. *Engraulis commersonianus*, Jenkins, *Rec. Ind. Mus.* VII, p. 60 (Puri).  
 1913. *Stolephorus commersonii*, Weber & de Baeufort, *Fish. Indo-Austral. Archipel.* II, p. 45, fig. 19.  
 1915. *Stolephorus commersonii*, Chaudhuri, *Mem. Ind. Mus.* V, p. 426 (Chilka Lake).  
 1917. *Engraulis commersonianus*, Hornell, *Madras Fish. Bull.* XI, p. 93 (Tuticorin).  
 1922. *Stolephorus commersonii*, Hora, *Mem. Ind. Mus.* V, p. 764 (Chilka Lake).  
 1928. *Engraulis commersonii*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXII, p. 704 (Colombo).  
 1929. *Engraulis commersonianus*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1941. *Anchoviella commersonii*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 703.

*Distribution.*—Zanzibar, Mauritius, India, Ceylon, Malaya, Malay Archipelago, Philippines, China, Polynesia.

**Anchoviella heterolobus** (Rüpp.).

1838. *Engraulis heterolobus*, Rüppell, *Neue Wirbelth., Fische*, p. 79, pl. xxi, fig. 4 (type locality : Red Sea).  
 1939. *Stolephorus heterolobus*, Herre, *Rec. Ind. Mus.* XII, p. 330 (Andamans).  
 1940. *Stolephorus heterolobus*, Herre, *Rec. Ind. Mus.* XLII, p. 1 (Ross. Island).  
 1940. *Stolephorus heterolobus*, Herre, *Rec. Ind. Mus.* XLII, p. 10 (Mergui market).  
 1941. *Anchoviella heteroloba*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 698.  
 1941. *Stolephorus heterolobus*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution.*—Red Sea, India, Burma, Malay Archipelago, Philippines, Siam, Australia, Fiji.

**Anchoviella indica** (v. Hass.).

1823. *Engraulis indica*, van Hasselt, *Algem. Konst-Letterbode*, p. 329 (type locality : Java).  
 1839. *Engraulis albus*, Swainson, *Nat. Hist. Animals* II, p. 293 (on Nattoo Russell, *Fish. Coromandel* II, p. 71, pl. clxxxvii, 1803, type locality : Vizagapatam).  
 1865. *Engraulis Brownii*, Day, *Fish. Malabar*, p. 237 (Malabar).  
 1878. *Engraulis Indicus*, Day, *Fish. India*, p. 629, pl. clviii, fig. 3 (seas of India to the Malay Archipelago).  
 1889. *Engraulis indica*, Day, *Faun. Brit. Ind. Fish.* I, p. 394.  
 1913. *Stolephorus indicus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 46.  
 1915. *Stolephorus indicus*, Chaudhuri, *Mem. Ind. Mus.* V, p. 425 (Chilka Lake).  
 1916. *Engraulis Indicus*, Govindan, *Madras Fish. Bull.* IX, p. 117 (East Coast).  
 1917. *Engraulis indicus*, Hornell, *Madras Fish. Bull.* XI, p. 93 (Tuticorin).  
 1922. *Stolephorus indicus*, Hora, *Mem. Ind. Mus.* V, p. 764 (Chilka Lake).  
 1929. *Engraulis indicus*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1941. *Anchoviella indicus*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 706.  
 1941. *Stolephorus indicus*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution.*—Zanzibar, India, Andamans, Malay Peninsula, Malay Archipelago, Philippines, Siam, China, Melanesia, Polynesia.

**Anchoviella tri** (Blkr.).

1852. *Engraulis tri*, Bleeker, *Verh. Bat. Gen. (Haring.)* XXIV, p. 40 (type locality : Batavia).  
 1878. *Engraulis tri*, Day, *Fish. India*, p. 630, pl. clviii, fig. 6.  
 1889. *Engraulis tri*, Day, *Faun. Brit. Ind. Fish.* I, p. 395 (from Bombay through the seas and estuaries of India to the Malay Archipelago. This fish ascends the Hooghly as high as Calcutta).  
 1926. *Stolephorus rex*, Jordan & Seale, *Bull. Mus. Comp. Zool.* LXVII, p. 380 (type locality : Canara, India).  
 1927. *Engraulis tri*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXII, p. 254 (Bombay).  
 1941. *Anchoviella tri*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 709.

*Distribution.*—India, Malay Peninsula, Malay Archipelago, Philippines

Genus **Thrissocles** Jordan & Evermann.

1817. *Thrissa* (nec Rafinesque, 1815) Cuvier, *Règne Animal* II, ed. 1, p. 176. (Type, *Clupea setirostris* Brouss., logotypic; inadmissible being preoccupied by *Thrissa* Rafinesque, a genus of Clupeidae.)  
 1829. *Thryssa* Cuvier, *Règne Animal* II, ed. 2, p. 323. (Type, *Clupea setirostris* Brouss., inadmissible according to Art. 36, Rec. of the International Commission of the Zoological Nomenclature.)  
 1838. *Thryssus* Swainson, *Nat. Hist. Animal* I, pp. 279, 280. (Type, *Clupea setirostris* Brouss., inadmissible according to Art. 36, Rec. of the International Commission of the Zoological Nomenclature.)  
 1917. *Thrissocles* Jordan & Evermann, *Gen. Fish.* p. 98. (Type, *Clupea setirostris* Brouss., orthotypic.)

**Thrissocles annandalei** (Chaudhuri).

1915. *Engraulis annandalei*, Chaudhuri, *Mem. Ind. Mus.* V, p. 419, fig. 3 (type locality : dredged in shallow water of Nalbano Island, Chilka Lake ; type is in the Zoological Survey of India).

*Distribution.*—India.

**Thrissocles baelama** (Forsk.).

1775. *Clupea baelama*, Forskal, *Descript. Animal*, p. 72 (type locality : Djedda, Red Sea).  
 1866-72. *Engraulis baelama*, Bleeker, *Atlas Ichth. Ind. Neerland.* VI, p. 130 (Amboina : Ceylon).  
 1870. *Engraulis baelama*, Day, *Proc. Zool. Soc. London*, p. 700 (Andamans).  
 1878. *Engraulis baelama*, Day, *Fish. India*, p. 626, pl. clviii, fig. 7 (the example figured, life-size, was from Port Blair, Andaman Islands).  
 1889. *Engraulis baelama* Day, *Faun. Brit. Ind. Fish.* I, p. 391 (from the Red Sea and Coast of Zanzibar, through the seas of India to the Andamans also recorded by Günther from Mysol and Manado).  
 1913. *Engraulis baelama*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 33.  
 1933. *Anchoviella baelama*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 81 (Ceylon).  
 1940. *Thrissina baelama*, Herre, *Rec. Ind. Mus.* XLII, p. 1 (Andamans).  
 1941. *Thrissocles baelama*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 683.  
 1941. *Thrissina baelama*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution.*—Red Sea, Arabia, Madagascar, Mauritius, Seychelles, India, Ceylon, Andamans, Malaya, Malay Archipelago, Melanesia; Micronesia, Polynesia.

**Thrissocles dussumieri** (C.V.).

1848. *Engraulis Dussumieri*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 69 (type locality : not given).  
 1865. *Engraulis auratus*, Day, *Proc. Zool. Soc. London*, p. 312 (type locality : Cochin, Malabar).  
 1865. *Engraulis auratus*, Day, *Fish. Malabar*, p. 238, pl. xix, fig. 2 (Malabar).  
 1878. *Engraulis Dussumieri*, Day, *Fish. India*, p. 627, pl. clviii, fig. 4 (the example figured, life-size, was from Madras).  
 1889. *Engraulis dussumieri*, Day, *Faun. Brit. Ind. Fish.* I, p. 391 (seas of India to the Malay Archipelago).  
 1913. *Engraulis dussumieri*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 41.  
 1917. *Engraulis dussumieri*, Hornell, *Madras Fish. Bull.* XI, p. 91 (Tuticorin).  
 1924. *Engraulis dussumieri*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 40 (Calicut).  
 1927. *Engraulis dussumieri*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXII, p. 253 (Bombay).  
 1929. *Engraulis dussumieri*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1939. *Engraulis dussumieri*, Hora & Mukerji, *Rec. Ind. Mus.* XXXVIII, p. 18 (Maungmagan, Burma).  
 1941. *Thrissocles dussumieri*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 681 (Calicut ; Bombay).

*Distribution.*—India, Burma, Malaya, Siam, Malay Archipelago, China.

**Thrissocles hamiltonii** (Gray).

- 1833-34. *Thrissa Hamiltonii*, Gray, *Ill. Ind. Zool. Hardwicke* II, p. xcii, fig. 3 (type locality : India).  
 1839. *Thryssus subspinosa*, Swainson, *Nat. Hist. Animal* II, p. 293 (on *Poorawah Russell, Fish. Coromandel* II, p. 72, pl. clxxxix, 1803, type locality : Vizagapatam).

1848. *Engraulis Hamiltonii*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 66 (Pondicherry).  
 1865. *Engraulis Hamiltonii*, Day, *Fish. Malabar*, p. 239 (Malabar).  
 1878. *Engraulis Hamiltonii*, Day, *Fish. India*, p. 625, pl. clvii, fig. 4 (Sind through the seas of India to the Malay Archipelago).  
 1889. *Engraulis hamiltonii*, Day, *Faun. Brit. Ind. Fish.* I, p. 389.  
 1890. *Engraulis hamiltonii*, Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova* (2) IX, p. 350 (Rangoon).  
 1913. *Engraulis grayi*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 37.  
 1926. *Scutengraulis hamiltonii*, Jordan & Seale, *Bull. Mus. Comp. Zool.* LXVII, p. 371 (Calcutta ; Penang ; Colombo).  
 1928. *Engraulis hamiltonii*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 104 (Bombay).  
 1933. *Anchoviella hamiltoni*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 81 (Ceylon).  
 1941. *Thrissocles hamiltonii*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 673 (Bombay).

*Distribution.*—India, Ceylon, Burma, Malay Peninsula, Siam, Malay Archipelago, Philippines, China, Australia.

### **Thrissocles kammalensis** (Blkr.).

1849. *Engraulis kammalensis*, Bleeker, *Verh. Bat. Gen. (Madura)* XXII, p. 18 (type locality : Madura Straits near Kammal and Surabaya).  
 1869. *Engraulis rhinorhynchus*, Day, *Proc. Zool. Soc. London*, p. 384 (Chanderpore).  
 1878. *Engraulis kammalensis*, Day, *Fish. India*, p. 626, pl. clvii, fig. 1 (the example figured, life-size, was from Orissa).  
 1889. *Engraulis kammalensis*, Day, *Faun. Brit. Ind. Fish.* I, p. 390 (Ceylon, Bay of Bengal to the Malay Archipelago).  
 1913. *Engraulis kammalensis*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 35.  
 1941. *Thrissocles kammalensis*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 672.

*Distribution.*—India, Ceylon, Malaya, Malay Archipelago, Siam, CochinChina, Philippines.

### **Thrissocles kempi** (Chaudhuri).

1915. *Engraulis kempi*, Chaudhuri, *Mem. Ind. Mus.* V, p. 421, fig. 4 (type locality : off Barkul in the main area of the Chilka Lake ; the type is in the Zoological Survey of India).

*Distribution.*—India.

### **Thrissocles malabaricus** (Bl.).

1795. *Clupea malabaricus*, Bloch, *Naturg. Ausland. Fische* IX, p. 115, pl. ccccxxxii (type locality : Tranquebar).  
 1803. *Clupea malabarica*, Lacépède, *Hist. Nat. Poiss.* V, p. 425 (Malabar).  
 1839. *Thryssa Cuvieri*, Swainson, *Nat. Hist. Animal* II, p. 293 (on *Poorwa* Russell, *Fish. Coromandel* II, p. 75, pl. cxciv, 1803 (type locality : Vizagapatam).  
 1848. *Engraulis malabaricus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 63, pl. dcix (Bombay).  
 1865. *Engraulis Malabaricus*, Day, *Fish. Malabar*, p. 239 (Malabar).  
 1868. *Engraulis malabaricus*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 395 (coast of Malabar).  
 1878. *Engraulis Malabaricus*, Day, *Fish. India*, p. 625, pl. clvii, fig. 5 (coast of Sind and through the seas of India).  
 1889. *Engraulis malabaricus*, Day, *Faun. Brit. Ind. Fish.* I, p. 389.  
 1910. *Engraulis malabaricus*, Jenkins, *Rec. Ind. Mus.* V, p. 135 (Chilka Lake).

1913. *Engraulis malabaricus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 36.  
 1929. *Engraulis malabaricus*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1941. *Thrissocles malabarica*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 671.

*Distribution.*—India, Celebes, Philippines.

### **Thrissocles mystax** (Schn.).

1801. *Clupea mystax*, Schneider, *Syst. Ichth. Bloch*, p. 426, pl. clxxxiii (type locality : Malabar).  
 1846. *Thryssa mystax*, Richardson, *Ichth. China Japan*, p. 309 (seas of India and China).  
 1848. *Engraulis mystax*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XX, p. 67 (India).  
 1868. *Engraulis mystax*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 397 (Bombay ; Madras ; Java).  
 1878. *Engraulis mystax*, Day, *Fish. India*, p. 625, pl. clvii, fig. 3 (seas and estuaries of India to the Malay Archipelago and China).  
 1889. *Engraulis mystax*, Day, *Faun. Brit. Ind. Fish.* I, p. 390.  
 1910. *Engraulis mystax*, Jenkins, *Rec. Ind. Mus.* V, p. 135 (Chilka Lake).  
 1913. *Engraulis mystax*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 38.  
 1917. *Engraulis mystax*, Hornell, *Madras Fish. Bull.* XI, p. 93 (Tuticorin).  
 1929. *Engraulis mystax*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1933. *Anchoviella mystax*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).  
 1940. *Scutengraulis mystax*, Herre, *Rec. Ind. Mus.* XLII, p. 9 (Mergui market).  
 1941. *Thrissocles mystax*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 675.

*Distribution.*—India, Burma, Ceylon, Malay Peninsula, Malay Archipelago, Siam, China, Queensland.

### **Thrissocles purava** (Ham.).

1822. *Clupea purava*, Hamilton, *Fish. Ganges*, pp. 238, 382 (type locality : the estuaries of the Ganges).  
 1839. *Thryssa megastoma*, Swainson, *Nat. Hist. Animal* II, p. 293 (on *Peddah Poorawah* Russell, *Fish. Coromandel* II, p. 73, pl. cxc, 1803, type locality : Vizagapatam).  
 1848. *Engraulis purava*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 65 (Coromandel).  
 1868. *Engraulis purava*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 397 (Kurrachee ; Cochin ; Calcutta).  
 1878. *Engraulis purava*, Day, *Fish. India*, p. 628, pl. clvii, fig. 2 (seas and estuaries of Sind, both sides of India to the Malay Archipelago).  
 1889. *Engraulis purava*, Day, *Faun. Brit. Ind. Fish.* I, p. 393.  
 1913. *Engraulis purava*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 39.  
 1915. *Engraulis purava*, Chaudhuri, *Mem. Ind. Mus.* V, p. 424 (Chilka Lake).  
 1916. *Engraulis purava*, Raj. *Rec. Ind. Mus.* XII, p. 251 (Madras).  
 1917. *Engraulis purava*, Hornell, *Madras Fish. Bull.* XI, p. 92 (Tuticorin).  
 1922. *Engraulis purava*, Hora, *Mem. Ind. Mus.* V, p. 764 (Chilka Lake).  
 1924. *Engraulis purava*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 40 (Calicut).  
 1924. *Engraulis hornelli*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXX, p. 41 (type locality : Calicut ; according to Fowler the type is in the United States National Museum, Washington).  
 1929. *Engraulis purava*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1941. *Thrissocles purava*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 677 (Calicut).

*Distribution.*—India, Burma, Malaya, Malay Archipelago.

**Thrissocles rambhae** (Chaudhuri).

1915. *Engraulis rambhae*, *Mem. Ind. Mus.* V, p. 423 (type locality: Rambha Bay, Chilka Lake; type is in the Zoological Survey of India).

*Distribution.*—India.

**Thrissocles setirostris** (Brouss.).

1782. *Clupea setirostris*, Broussonet, *Ichth.* I, pl. xi. (type locality: Tanna, New Hebrides).  
 1848. *Engraulis setirostris*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 69 (India).  
 1878. *Engraulis setirostris*, Day, *Fish. India*, p. 626 (from the Red Sea through the seas of India to the Malay Archipelago).  
 1889. *Engraulis setirostris*, Day, *Faun. Brit. Ind. Fish.* I, p. 391.  
 1913. *Engraulis setirostris*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 40.  
 1917. *Engraulis setirostris*, Hornell, *Madras Fish. Bull.* XI, p. 91 (Tuticorin).  
 1940. *Thrissocles setirostris*, Herre, *Rec. Ind. Mus.* XI,II, p. 10 (Mergui market).  
 1941. *Thrissocles setirostris*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 679.

*Distribution.*—Red Sea, Arabia, East Africa, India, Burma, Malaya, Siam, Malay Archipelago, Philippines, Queensland, Polynesia.

**Thrissocles valenciennesi** (Blkr.).

1866. *Stolephorus (Thryssa) valenciennesi*, Bleeker, *Ned. Tijds. Dierk.* III, p. 306 (type locality: Java, Sumatra, Singapore, Borneo).  
 1927. *Engraulis valenciennesi*, Fowler, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 254 (Bombay).  
 1941. *Thrissocles valenciennesi*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 682 (Bombay).

*Distribution.*—India, Malaya, Malay Archipelago, Philippines.

Genus **Xenengraulis** Jordan & Seale.

1925. *Xenengraulis* Jordan & Seale, *Copeia*, No. 141, p. 29. (Type, *Xenengraulis spinidens* Jordan & Seale, orthotypic).

**Xenengraulis spinidens** J. & S.

1925. *Xenengraulis spinidens*, Jordan & Seale, *Copeia* No. 141, p. 29 (type locality: India, Siam, Calcutta, Rangoon).  
 1941. *Xenengraulis spinidens*, Fowler, *Bull. U.S. Nat. Mus.* (100) XIII, p. 668.

*Distribution.*—India, Burma, Siam, Philippines.

## Superfamily ALEPOCEPHALOIDAE.

## Family ALEPOCEPHALIDAE.

Genus **Alepocephalus** Risso.

1820. *Alepocephalus* Risso, *Mem. de l' Acad. Sci. Torino* XXV, p. 270. (Type, *Alepocephalus rostratus* Risso.)

**Alepocephalus bicolor** Alc.

1891. *Alepocephalus bicolor*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 133 (type locality: Bay of Bengal, off Ganjam coast, 15° 56' 50" N., 81° 30' 30" E., 240-276 fms., type is in the Zoological Survey of India).  
 1892. *Alepocephalus bicolor*, Alcock, *Ill. Zool. Investing. Fish.*, pl. iv, fig. 2.  
 1899. *Alepocephalus bicolor*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 169 (Bay of Bengal, off Ganjam Coast, 240-276 fms., Arabian Sea, off Malabar Coast, 360 fms.).

1906. *Alepocephalus bicolor*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 19.  
 1913. *Alepocephalus bicolor*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 99.  
 1939. *Alepocephalus bicolor*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 15.

*Distribution.*—Gulf of Aden, Arabian Sea, Bay of Bengal, Indo-Australian Archipelago.

#### ***Alepocephalus blanfordii* Alc.**

1892. *Alepocephalus blanfordii*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 357 (type locality : S. of Cape Comorin, 6° 58' N., 77° 26' 50" E., 902 fms., type is in the Zoological Survey of India).  
 1894. *Alepocephalus blanfordii*, Alcock, *Ill. Zool. Investig. Fish.*, pl. ix, fig. 1.  
 1899. *Alepocephalus blanfordii*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 171 (Arabian Sea, off Cape Comorin, 902 fms.).  
 1913. *Alepocephalus blanfordii*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 100.

*Distribution.*—Arabian Sea, Flores Sea.

#### ***Alepocephalus edentulus* Alc.**

1892. *Alepocephalus edentulus*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 358, pl. xviii, fig. 2 (type locality : Bay of Bengal, 12° 50' N., 81° 30' E., 475 fms., type is in the Zoological Survey of India).  
 1899. *Alepocephalus edentulus*, Alcock, *Cat. Ind. Deep Sea Fish.* p. 172 (Bay of Bengal, off Madras Coast, 475 fms.).  
 1900. *Alepocephalus edentulus*, Alcock, *Ill. Zool. Investig. Fish.*, xxxii, fig. 4.

*Distribution.*—Bay of Bengal.

#### ***Alepocephalus longiceps* Lloyd.**

1909. *Alepocephalus longiceps*, Lloyd, *Ill. Zool. Investig. Fish.*, pl. xlv, fig. 2.  
 1909. *Alepocephalus longiceps*, Lloyd, *Mem. Ind. Mus.* II, p. 147 (type locality : Andaman Sea, Bay of Bengal, 12° 49' 30" N., 96° 24' 30" E., type is in the Zoological Survey of India).

*Distribution.*—Bay of Bengal.

#### ***Alepocephalus macrops* Lloyd.**

1909. *Alepocephalus macrops*, Lloyd, *Ill. Zool. Investig. Fish.*, pl. xlv, fig. 3.  
 1909. *Alepocephalus macrops*, Lloyd, *Mem. Ind. Mus.* II, p. 148 (type locality : Bay of Bengal, off Arakan coast, 419 fms., type is in the Zoological Survey of India).

*Distribution.*—Bay of Bengal.

#### ***Alepocephalus microlepis* Lloyd.**

1909. *Alepocephalus microlepis*, Lloyd, *Ill. Zool. Investig. Fish.*, pl. xlv, fig. 4.  
 1909. *Alepocephalus microlepis*, Lloyd, *Mem. Ind. Mus.* II, p. 146 (type locality : Laccadive Sea, 12° 47' N., 73° 44' 45" E., 823-870 fms., S. of Cape Comorin, 603 fms., Gulf of Oman, 689-700 fms., type is in the Zoological Survey of India).

*Distribution.*—Arabian Sea.

#### **Genus *Bathytroctes* Günther.**

1878. *Bathytroctes* Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 249. (Type, *Bathytroctes microlepis* Gthr., orthotypic.)

**Bathytroctes macrolepis** Gthr.

1887. *Bathytroctes macrolepis*, Günther, "Challenger" *Rep. Deep Sea Fish.* XXII, p. 225, pl. lvii (type locality: North of Celebes, 2150 fms., type is in the British Museum).  
 1899. *Bathytroctes macrolepis*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 174 (Andaman Sea).  
 1913. *Bathytroctes macrolepis*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 103.

*Distribution.*—Andaman Sea, N. of Celebes.

**Bathytroctes microlepis** Gthr.

1878. *Bathytroctes microlepis*, Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 249 (type locality: south east of Cape St. Vincent, 1090 fms.).  
 1889. *Bathytroctes microlepis*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 452 (Andaman Sea, 8 miles south-east of Cinque Island, 500 fms.).  
 1899. *Bathytroctes microlepis*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 174 (Andaman Sea).  
 1941. *Bathytroctes microlepis*, Herre, *Mem. Ind. Mus.* XIII, p. 335.

*Distribution.*—Andaman Sea, South East of St. Vincent, Atlantic Ocean.

**Bathytroctes rostratus** Gthr.

1878. *Bathytroctes rostratus*, Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 250 (type locality: Pernambuco, 675 fms.).  
 1906. *Bathytroctes rostratus*, Braner, "Valdivia" *Tiefsee Fische* XV, p. 17, pl. xiv, figs. 2, 3 (Bay of Bengal, 7° 1' 2" N., 85° 56' 5" E., 1500-2000 m.).

*Distribution.*—N. E. Coast of Africa, between Seychelles and Zanzibar, Bay of Bengal, Pernambuco.

**Bathytroctes squamosus** Alc.

1890. *Bathytroctes squamosus*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 303 (type locality: Arabian Sea, 15° 2' N., 72° 34' E., 740 fms., type is in the Zoological Survey of India).  
 1892. *Bathytroctes squamosus*, Alcock, *Ill. Zool. Investig. Fish.*, pl. iv, fig. 1.  
 1899. *Bathytroctes squamosus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 173 (Arabian Sea, off the Laccadives, 740 fms.).  
 1913. *Bathytroctes squamosus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 101.

*Distribution.*—Arabian Sea, Bali Sea.

Genus **Narcetes** Alcock.

1890. *Narcetes* Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 305. (Type, *Narcetes erimelas* Alc., orthotypic.)

**Narcetes affinis** Lloyd.

1906. *Narcetes affinis*, Lloyd, *Ann. Mag. Nat. Hist.* (7) XVIII, p. 308 (type locality: Gulf of Oman, 24° 35' 10" N., 57° 46' 6" E., 1005 fms., type is in the Zoological Survey of India).  
 1908. *Narcetes affinis*, Lloyd, *Ill. Zool. Investig. Fish.*, pl. xlii, figs. 1, 1a.  
 1909. *Narcetes affinis*, Lloyd, *Mem. Ind. Mus.* II, p. 149 (Gulf of Oman).

*Distribution.*—Gulf of Oman.

**Narcetes erimelas** Alc.

1890. *Narcetes erimelas*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 305 (type locality: Arabian Sea, 15° 2' N., 72° 34' E., 740 fms., type is in the Zoological Survey of India).



1892. *Narceus erimelas*, Alcock, *Ill. Zool. Investig. Fish.*, pl. iv, fig. 1.  
 1899. *Narceus erimelas*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 175 (Arabian Sea, near Laccadive Is., 740 fms.).

*Distribution.*—Arabian Sea.

Genus **Platyroctes** Günther.

1878. *Platyroctes* Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 249 (Type, *Platyroctes apus* Gthr., orthotypic).

**Platyroctes apus** Gthr.

1878. *Platyroctes apus*, Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 249 (type locality : mid Atlantic, 1500 fms.).  
 1890. *Platyroctes apus*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 307 (Arabian Sea, 15°2' N., 72°34' E., 740 fms.).  
 1899. *Platyroctes apus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 177 (Arabian Sea, in the neighbourhood of the Laccadive banks, 740 fms.).

*Distribution.*—Atlantic Ocean, Arabian Sea.

Genus **Xenodermichthys** Günther.

1878. *Xenodermichthys* Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 250. (Type, *Xenodermichthys nodulosus* Gthr., orthotypic).  
 1923. *Rouleina* Jordan, *Stan. Univ. Pub.* III, No. 2, p. 122. (Type, *Aleposomus guntheri* Alc.).

**Xenodermichthys guentheri** Alc.

1892. *Xenodermichthys Guentheri*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 359, pl. xviii, fig. 3 (type locality : Bay of Bengal, 15°43' 30" N., 8°19'30" E. 678 fms., type is the Zoological Survey of India).  
 1899. *Xenodermichthys Guntheri*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 180 (Bay of Bengal, off Madras Coast, 678 fms., Arabian Sea, off Travancore Coast, 430 fms.).  
 1900. *Xenodermichthys Guentheri*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxxii, fig. 2.

*Distribution.*—Gulf of Aden, Arabian Sea, Bay of Bengal.

**Xenodermichthys lividis** (Br.).

1906. *Aleposomus lividis*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 21, pl. ii, fig. 1 (type locality : 3°22'1" S., 101°11'5" E., 903m., 0°57'5" S., 99°51'1"E., 768 m.).

*Distribution.*—West Coast of Sumatra.

**Xenodermichthys nudus** (Br.).

1906. *Aleposomus nudus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 22, pl. ii, fig. 2 (type locality : 0°39'2" S., 98°52'3" E., 750m.).

*Distribution.*—West Coast of Sumatra.

**Xenodermichthys squamilaterus** Alc.

1898. *Xenodermichthys squamilaterus*, Alcock, *Ann. Mag. Nat. Hist.* (7) II, p. 148 (type locality : off the Andamans, 370-419 fms., type is in the Zoological Survey of India).  
 1899. *Xenodermichthys squamilaterus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 181 (Andaman Sea, 370-419 fms.).  
 1941. *Xenodermichthys squamilaterus*, Herre, *Mem. Ind. Mus.* XIII, p. 336.

*Distribution.*—Andaman Sea.

Genus **Leptoderma** Vaillant.

1886. *Leptoderma* Vaillant, *Comptes Rendus. Ac. Sci. Paris* CIII, p. 1239. (Type, *Leptoderma macrops* Vaillant, orthotypic).

**Leptoderma affinis** Alc.

1892. *Leptoderma macrops* (nec Vaillant), Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 361 (type locality : off Kistna Delta, Bay of Bengal, 753 fms., type is in the Zoological Survey of India).  
 1899. *Leptoderma affinis*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 182 (type locality : Bay of Bengal, off Kistna Coast, 753 fms.).  
 1900. *Leptoderma affinis*, Alcock, *Ill. Zool. Investig. Fish.*, p. xxxii, fig. 3.

*Distribution.*—Bay of Bengal.

Genus **Tauredophidium** Alcock.

1890. *Tauredophidium* Alcock, *Ann. Mag. Nat. Hist.* (6) V, p. 212. (Type, *Tauredophidium hextii* Alc., orthotypic).

**Tauredophidium hextii** Alc.

1890. *Tauredophidium hextii*, Alcock, *Ann. Mag. Nat. Hist.* (6) V, p. 213, pl. viii, fig. 1 (type locality : Bay of Bengal, off Ganjam coast 1310 fms.).  
 1898. *Tauredophidium hextii*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxi, fig. 3.  
 1899. *Tauredophidium hextii*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 97 (type locality : Bay of Bengal, off Ganjam Coast, 1310 fms.).

*Distribution.*—Bay of Bengal.

## Family DOLICHOPTERYGIDÆ.

Genus **Aulastomatomorpha** Alcock.

1890. *Aulastomatomorpha*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 307. (Type, *Aulastomatomorpha phospherops* Alc., orthotypic.)

**Aulastomatomorpha phospherops** Alc.

1890. *Aulastomatomorpha phospherops*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 307 (Laccadive Sea, 11°12'47" N., 74°25'30" E., 1000 fms., type is in the Zoological Survey of India).  
 1892. *Aulastomatomorpha phospherops*, Alcock, *Ill. Zool. Investig. Fish.*, pl. v, fig. 2.  
 1899. *Aulastomatomorpha phospherops*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 178 (Arabian Sea, near the Laccadives, 1000 fms.).

*Distribution.*—Arabian Sea.

Suborder **CHIROCENTROIDEI**.Family **CHIROCENTRIDÆ**.Genus **Chirocentrus** Cuvier.

1817. *Chirocentrus* Cuvier, *Régne Animal* II, ed. 1, p. 178 (Type, *Clupea dorab* Forsk., monotypic).

**Chirocentrus dorab** (Forsk.).

1775. *Clupea dorab*, Forskål, *Descript. Animal*, pp. xiii, 72 (type locality Djedda, Red Sea).  
 1839. *Chirocentrus nudus* Swainson, *Nat. Hist. Animals, Fish.* II, p. 294 [on *Wahlb. Russel Fish. Coromandel* II, p. 78, pl. cxoix, 1803 (type locality : Vizagapatam)].\*

1846. *Chirocentrus dora*<sup>1</sup>, Cuvier & Valenciennes, *Hist., Nat. Poiss.*, XIX, p. 160, pl. dlxv (Coromandel, Malabar).  
 1865. *Chirocentrus dora*<sup>1</sup>, Day, *Fish. Malabar*, p. 233 (Malabar).  
 1868. *Chirocentrus dora*<sup>1</sup>, Günther, *Cat. Fish. Brit. Mus.* VII, p. 275 (Bengal).  
 1878. *Chirocentrus dorab*, Day, *Fish. India*, p. 652, pl. clxvi, fig. 3 (Red Sea, through the seas of India to the Malay Archipelago and beyond).  
 1889. *Chirocentrus dorab*, Day, *Faun. Brit. Ind. Fish.* I, p. 368, fig. 114.  
 1907. *Chirocentrus dorab*, Lloyd, *Rec. Ind. Mus.* I, p. 222 (Akyab).  
 1912. *Chirocentrus dorab*, Jenkins, *Rec. Ind. Mus.* VII, p. 57 (Akyab).  
 1913. *Chirocentrus dorab*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 18, fig. 11.  
 1933. *Chirocentrus dorab*, Deraniyagala, *Ceylon Journ. Sci.* (C)V, p. 82 (Ceylon).  
 1936. *Chirocentrus dorab*, Hora & Mukerji, *Rec. Ind. Mus.* XXXVIII, p. 18 (Maungmagan).  
 1940. *Chirocentrus dorab*, Herre, *Rec. Ind. Mus.* XLII, p. 9 (Mergui Archipelago).  
 1941. *Chirocentrus dorab*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 724.

*Distribution.*—Red Sea, Zanzibar, Natal, Mauritius, India, Ceylon, Burma, Malay Peninsula, Siam, China, Formosa, Malay Archipelago, Melanesia, Australia.

### Suborder CHANOIDEI.

#### Family CHANIDAE.

#### Genus **Chanos** Lacépède.

1803. *Chanos* Lacépède, *Hist. Nat. Poiss.* V, p. 395. (Type, *Chanos arabicus* Lac., monotypic).

#### **Chanos chanos** (Forsk.).

1775. *Mugil Chanos*, Forskål, *Descript. Animal*, pp. xiv, 74 (type locality : Djedda, Red Sea).  
 1829. *Cyprinus pala*, Cuvier, *Règne Animal* II, ed. 2, p. 276 (on *Palah Bontah* Russell, *Fish. Coromandel* II, p. 84, pl. ccvii, 1803, type locality : Vizagapatam).  
 1829. *Cyprinus tolo*, Cuvier, *Règne Animal* II, ed. 2, p. 276 (on *Tooleloo* Russell, *Fish. Coromandel* II, p. 85, pl. ccviii, 1803, type locality : Vizagapatam).  
 1832. *Leuciscus Zeylonicus*, Bennett, *Proc. Zool. Soc. London*, p. 184 (Ceylon).  
 1846. *Chanos chloropterus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XIX, p. 195 (type locality : India).  
 1856. *Chanos pala*, Day, *Fish. Malabar*, p. 224 (Malabar).  
 1868. *Chanos salmoneus*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 473 (Ceylon).  
 1878. *Chanos salmoneus*, Day, *Fish. India*, p. 651, pl. clxvi, fig. 2 (Red Sea, seas of India to the Malay Archipelago and beyond).  
 1889. *Chanos salmoneus*, Day, *Faun. Brit. Ind. Fish.* I, p. 403, fig. 127.  
 1915. *Chanos chanos*, Chaudhuri, *Mem. Ind. Mus.* V, p. 417 (Chilka Lake).  
 1922. *Chanos chanos*, Hora, *Mem. Ind. Mus.* V, p. 764 (Chilka Lake).  
 1929. *Chanos salmoneus*, Pillay, *Journ. Bombay Nat. Hist. Soc.* XXXIII, p. 356 (Travancore).  
 1933. *Chanos chanos*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 82 (Ceylon).  
 1941. *Chanos chanos*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 537.

*Distribution.*—Red Sea, East Coast of Africa, India, Ceylon, Malay Peninsula, Malay Archipelago, Philippines, China, Japan, Australia, Melanesia, Polynesia.

### Suborder SALMONOIDEI.

#### Family SALMONIDAE (SALMONIDAE + COREGONIDAE Jordan).

#### Genus **Salmo** Linnaeus.

1758. *Salmo* Linnaeus, *Syst. Nat.* I, ed. 10, p. 308. (Type, *Salmo salar* L.).

**Salmo trutta fario** L.

(Brown trout)

1758. *Salmo trutta*, Linnaeus, *Syst. Nat.* I, ed. 10, p. 308 (type locality : Europe).  
 1932. *Salmo trutta*, Boulenger, *Camb. Nat. Hist.* VII, p. 567.  
 1936. *Salmo fario*, Mukerji, *Journ. Roy. As. Soc. Bengal Sci.* II, p. 157 (Hazara).  
 1938. *Salmo fario*, Bhatti, *Journ. Bombay Nat. Hist. Soc.* XL, p. 429 (Kulu Valley).  
 1940. *Salmo trutta fario*, Malik, *Journ. Roy. As. Soc. Bengal Sci.* V, p. 4 (Kashmir).

*Salmo trutta* has been introduced into Kashmir, Punjab, Ceylon. *Distribution*.—Eurasia, N. America (introduced), S. Africa (introduced), S. Australia (introduced), India (introduced).

**Salmo gairdnerii gairdnerii** Rich.

(Rainbow trout. Steel-head trout).

1836. *Salmo gairdnerii*, Richardson, *Faun. Bor. Amer.* III, p. 221 (type locality: Columbia river at Fort Vancouver).  
 1921. *Salmo irideus*, Wilson, *Madras Fish. Bull.* XII, p. 151 (Nilgiris).  
 1939. *Salmo (Oncorhynchus) irideus*, Malik, *Journ. Roy. As. Soc. Bengal Sci.* V, p. 4 (Kashmir).  
 1943. *Salmo irideus*, Phayre, *U. Serv. Journ. India*, p. 329.

*Salmo gairdnerii gairdnerii* has been introduced into India and Ceylon. The history of the undertakings may be read in F. G. Mitchell's "How Trouts were introduced into Kashmir" *Journ. Bombay Nat. Hist. Soc.* XXVI, pp. 295-299, 1918 and Philip Fowke's "Trout Culture in Ceylon" *Ceylon Journ. Sci.* (C) VI, 1938.

*Distribution*.—British Columbia to California, England (introduced), S. Africa (introduced), Australia (introduced), India (introduced), Ceylon (introduced).

**Salmo levenensis** Walker.

(Loch Leven trout).

1808. *Salmo levenensis*, Walker, *Wern Mem.* I, p. 541 (type locality: loch Leven; topotypes are in the British Museum).  
 1877. *Salmo levenensis*, Day, *Fish. India*, p. 508, pl. cxviii, fig. 3 (Neilgherry hills introduced from Loch Leven).  
 1889. *Salmo fario levenensis*, Day, *Faun. Brit. Ind. Fish.* I, p. 404 (introduced into the Nilgiri Hills).

*Salmo levenensis* was introduced into the Nilgiri Hills.

*Distribution*.—England, Scotland, S. Africa (introduced), Australia (introduced), India (introduced).

## Family MICROSTOMIDAE.

Genus **Nansenia** Jordan & Evermann.

1896. *Nansenia* Jordan & Evermann, *Bull. U. S. Nat. Mus.* XLVII, p. 280 (Type, *Microstomus graenlandicus* Reinhardt, orthotypic).

**Nansenia graenlandicus** (Reinhardt).

1839. *Microstomus graenlandicus*, Reinhardt, *Overs. danske Vidensk. Selsk. Forh.*, p. 8 (type locality: Greenland).  
 1939. *Nansenia graenlandicus*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 16 (Maldive area).

*Distribution*.—North Atlantic, Arabian Sea,

Suborder *STOMIATOIDEI*.

## Superfamily GONOSTOMOIDAE (HETEROPHOTODERMI).

## Family GONOSTOMIDAE (GONOSTOMIDAE + MAUROLICIDAE Jordan).

Genus **Gonostoma** Rafinesque.

1810. *Gonostoma* Rafinesque, *Ind. Ittiol. Sicil.*, p. 64. (Type, *Gonostoma denudatum* Rafinesque).

***Gonostoma elongatum*** Gthr.

1878. *Gonostoma elongatum*, Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 187 (type locality : South of New Guinea, 800 fms.).  
 1891. *Gonostoma elongatum*, Wood-Mason & Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 127 (Laccadive Sea, 738 fms.).  
 1892. *Gonostoma elongatum*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 354 (off Minikoi Is., Arabian Sea, 1200 fms.).  
 1896. *Gonostoma elongatum*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 331 (Laccadive Sea, 738-1200 fms.).  
 1899. *Cyclothone elongata*, Alcock, *Cat. Ind. Deep Sea fish.*, p. 139.  
 1913. *Gonostoma elongatum*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 122, fig. 45.  
 1939. *Gonostoma elongatum*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 17.

*Distribution.*—East Coast of North and Central America, Gulf of Guinea, Arabian Sea, West of Sumatra, Flores Sea, Banda Sea, Arfura Sea.

Genus **Cyclothone** Goode & Bean.

1882. *Cyclothone* Goode & Bean, *Bull. Mus. Comp. Zool. Harvard* X, p. 221. (Type, *Cyclothone lusca* G. B., orthotypic).

***Cyclothone acclinidens*** Garm:

1899. *Cyclothone acclinidens*, Garman, *Mem. Mus. Comp. Zool. Harvard* XXIV, p. 247, pl. J, fig. 4 (type locality : 36°47'10"N., 122°3'20"W., 122 fms.).  
 1906. *Cyclothone acclinidens*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 85, pl. vi, fig. 1, text-fig. 34a-c.  
 1939. *Cyclothone acclinidens*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 18 (Maldiva area).

*Distribution.*—Atlantic Ocean, Arabian Sea, Bay of Bengal, Seas of Malay Archipelago.

***Cyclothone microdon*** (Gthr.).

1878. *Gonostoma microdon*, Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 187 (type locality : Atlantic and Pacific, 500-2900 fms.).  
 1889. *Gonostoma microdon*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 399 (Bay of Bengal, 30 miles west of Middle Andaman, 485 fms., Andaman Sea, 7 miles south-east by south of Ross I., 265 fms.).  
 1906. *Cyclothone microdon*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 82, pl. vi, fig. 4, text-fig. 32.  
 1913. *Cyclothone microdon*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 126, fig. 46.  
 1941. *Cyclothone microdon*, Herre, *Mem. Ind. Mus.* XIII, p. 336.

*Distribution.*—Atlantic ocean, Bay of Bengal, Seas of Malay Archipelago, Arctic and Antarctic Oceans.

**Cyclothone microdon pallida** Br.

1902. *Cyclothone pallida*, Brauer, *Zool. Anz.* XXV, p. 281 (type locality : Atlantic ; Indian Ocean).  
 1906. *Cyclothone microdon pallida* Brauer, "Valdivia" *Tiefsee Fische* XV, p. 84, pl. vi, fig. 2, text-fig. 33.  
 1939. *Cyclothone pallida*, Norman, *Sci. Rep. John Murray Exped.*, p. 18 (Gulf of Oman, Maldive area).

*Distribution.*—Atlantic Ocean, Arabian Sea, Bay of Bengal.

**Cyclothone obscura** Br.

1902. *Cyclothone obscura*, Brauer, *Zool. Anz.* XXV, p. 280 (type locality Atlantic and Indian Oceans).  
 1906. *Cyclothone obscura*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 88, pl. vi, fig. 3, text-fig. 35 (Bay of Bengal).

*Distribution.*—Atlantic and Indian Oceans.

**Cyclothone signata** Garman.

1899. *Cyclothone signata*, Garman, *Mem. Mus. Comp. Zool. Harvard* XXIV, p. 246, pl. J, fig. 3 (type locality : 61°21'N., 80°41'W.).  
 1906. *Cyclothone signata*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 78, pl. vi, fig. 6, text-figs. 28, 29 (Bay of Bengal, 7°43'2" N., 85°94'9"E.).

*Distribution.*—Atlantic, Arabian Sea, Bay of Bengal.

**Cyclothone signata alba** Br.

1906. *Cyclothone signata alba* var., Brauer, "Valdivia" *Tiefsee Fische* XV, p. 80, fig. 30 (type locality : Atlantic Ocean, 24°43'4" N., 17°1'3" W.).

*Distribution.*—Atlantic, Gulf of Aden, Arabian Sea, Bay of Bengal.

Genus **Vinciguerria** Goode & Bean.

1895. *Vinciguerria*, Goode & Bean, *Ocean Ichth.*, p. 513. (Type, *Maurolicus attenuatus* Cocco.)

**Vinciguerria lucetius** (Garm.).

1899. *Maurolicus lucetius*, Garman, *Mem. Mus. Comp. Zool. Harvard* XXIV, p. 242, pl. J, fig. 2 (type locality : 21°36'30" N., 106°25'W., 238 fms.).  
 1906. *Vinciguerria lucetia*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 97, fig. 40 (Bay of Bengal).

*Distribution.*—Atlantic, Arabian Sea, Bay of Bengal.

**Vinciguerria nimbaricus** (Jordan & Williams).

1896. *Zalarges nimbarius*, Jordan & Williams, *Proc. Calif. Acad. Sci.* (2) V, p. 793, pl. lxxvi (type locality : Pacific Ocean).  
 1939. *Vinciguerria nimbaria*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 19 (Arabian Sea, 23°2'48"N., 64°31'54" E.).

*Distribution.*—Atlantic, Indo-Pacific.

Genus **Valenciennellus** Jordan & Evermann.

1896. *Valenciennellus* Jordan & Evermann, *Bull. U. S. Nat. Mus.* No. 47, pt. 1, p. 577. (Type, *Maurolicus tripunctulatus* Esmark, orthotypic).

**Valenciennellus stellatus** Garm.

1899. *Valenciennellus stellatus*, Garman, *Mem. Mus. Comp. Zool. Harvard* XXIV, p. 239, pl. liii, fig. 2 (type locality : 30°31'35"N., 14°5'30"W.).  
 1906. ? *Valenciennellus stellatus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 100, p. 100, fig. 42 (Bay of Bengal).

*Distribution.*—Atlantic, Arabian Sea, Bay of Bengal.

Genus **Yarella** Goode & Bean.

1895. *Yarella* Goode & Bean, *Ocean Ichth.*, p. 103. (Type, *Yarella blackfordi* G. B., orthotypic).

**Yarella corythaeolum** (Alc.).

1898. *Diplophos corythaeolum*, Alcock, *Ann. Mag. Nat. Hist.* (7) II, p. 14 (type locality : Andaman Sea, 185-405 fms., type is in the Zoological Survey of India).  
 1899. *Diplophos corythaeolum*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxv, fig. 3.  
 1899. *Photichthys corythaeolus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 142 (Andaman Sea).  
 1939. *Yarella corythaeola*, Norman, *Sci. Rep. John Murray Exped.* VII, (Maldivo area).  
 1941. *Photichthys corythaeolus*, Herre, *Mem. Ind. Mus.* XIII, p. 336.

*Distribution.*—Natal Coast, Zanzibar, Gulf of Aden, Maldives, Andaman Sea, Southern Australia.

Genus **Triplophos** Brauer.

1902. *Triplophos* Brauer, *Zool. Anz.* XXV, p. 282. (Type, *Triplophos elongatus* Br.).

**Triplophos elongatus** Br.

1902. *Triplophos elongatus*, Brauer, *Zool. Anz.* XXV, p. 282 (type locality : South of Ceylon, 4°56'N., 78°15'3" E., 2000 m.).  
 1906. *Triplophos elongatum*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 99, pl. vii, fig. 4, text-fig. 41.

*Distribution.*—South of Ceylon.

## Family STERNOPTYCHIDAE.

Genus **Sternoptyx** Hermann.

1781. *Sternoptyx* Hermann, *Der Naturforscher* XVI, p. 8. (Type, *Sternoptyx diaphana* Hermann.)

**Sternoptyx diaphana** Herm.

1781. *Sternoptyx diaphana*, Hermann, *Der Naturforscher*, XVI, p. 8, pl. i, figs. 1, 2 (type locality : Jamaica).  
 1896. *Sternoptyx diaphana*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 331 (off Malabar Coast, 912-931 fms.).  
 1906. *Sternoptyx diaphana*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 115 (Bay of Bengal).  
 1913. *Sternoptyx diaphana*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 132 fig. 48.

*Distribution.*—Atlantic, Indo-Pacific.

Genus **Argyrolepecus** Cocco.

1829. *Argyrolepecus* Cocco, *Arch. della R. Acad. Peloritano*, p. 146. (Type: *Argyrolepecus hemigymnus* Cocco).

**Argyrolepecus aculeatus** C.V.

1849. *Argyrolepecus aculeatus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXII, p. 406 (type locality: Azores).  
 1906. *Argyrolepecus aculeatus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 110, fig. 47 (Bay of Bengal).

*Distribution.*—Atlantic and Indian Oceans.

**Argyrolepecus affinis** Garm.

1899. *Argyrolepecus affinis*, Garman, *Mem. Mus. Comp. Zool. Harvard* XXIV, p. 237 (type locality: Atlantic, 15°24'40"N., 63°31'30"W.).  
 1939. *Argyrolepecus affinis*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 20 (Arabian Sea, 10°54'42"N., 61°20'54" E., Maldive area).

*Distribution.*—Atlantic Ocean, Gulf of Aden, Arabian Sea, Maldive area.

**Argyrolepecus hemigymnus** Cocco.

1829. *Argyrolepecus hemigymnus*, Cocco, *Giorn. Sci. Sic.* LXXVII, p. 146 (type locality: Mediterranean).  
 1896. *Argyrolepecus hemigymnus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 331 (Bay of Bengal, 1803 fms.).  
 1899. *Argyrolepecus hemigymnus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 135 (Bay of Bengal, 1803 fms.).

*Distribution.*—Atlantic, Mediterranean, Bay of Bengal.

**Argyrolepecus olfersii** (C.).

1829. *Sternoptyx Olfersii*, Cuvier, *Régne Animal* II, ed. 2, p. 316, pl. xiii, fig. 2 (type locality: Atlantic Ocean).  
 1906. *Argyrolepecus Olfersi*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 108, fig. 46 (South of Ceylon).

*Distribution.*—Atlantic, Indian and Pacific Ocean.

**Argyrolepecus sladeni** Reg.

1908. *Argyrolepecus sladeni*, Regan. *Trans. Linn. Soc.* (2) XII, p. 218 (type locality: Chagos Archipelago, 400-500 fms., type is in the British Museum).  
 1939. *Argyrolepecus sladeni*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 20 (Arabian Sea, 12°8'16" N., 63°4'36"E.).

*Distribution.*—North and South Atlantic, Indo-Pacific, Antarctic.

Genus **Polyipnus** Günther.

1887. *Polyipnus* Günther, "Challenger" *Rep. Deep Sea Fish.* XXII, p. 170 (Type, *Polyipnus spinosus* Gthr., orthotypic).

**Polyipnus spinosus** Gthr.

1887. *Polyipnus spinosus*, Günther, "Challenger" *Rep. Deep Sea Fish.* XXII, p. 170, pl. li, fig. B (type locality: Indian Ocean, 250 fms.).  
 1889. *Polyipnus spinosus*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 398 (Bay of Bengal, between North and South Sentinel Is., 220-240 fms.).  
 1896. *Polyipnus spinosus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 331 (off coasts of Andaman Is., 188-240 fms.).



1899. *Polyipnus spinosus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 138.  
 1913. *Polyipnus spinosus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 130, fig. 47.  
 1941. *Polyipnus spinosus*, Herre, *Mem. Ind. Mus.* XIII, p. 336.

*Distribution.*—Gulf of Guinea, Bay of Bengal, Seas of Malay Archipelago, Sandwich Islands.

## Order STOMIATOIDEI.

### Superfamily STOMIATOIDAE (LEPIDOPHOTODERMI).

#### Family STOMIATIDAE.

#### Genus *Stomias* Cuvier.

1817. *Stomias* Cuvier, *Règne Animal* II, ed. 1, p. 184. (Type, *Esox boa* Risso),

#### *Stomias affinis* Gthr.

1887. *Stomias affinis*, Günther, "Challenger" *Rep. Deep Sea Fish.* XXII p. 205, pl. liv, fig. A (type locality : South of Sombrero I., West Indies 450 fms., type is in the British Museum).  
 1891. *Stomias elongatus*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 129 (type locality : Arabian Sea, off the Laccadives, 738 fms., type is in the Zoological Survey of India).  
 1896. *Stomias elongatus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (Laccadive Sea, 738 fms.).  
 1899. *Stomias elongatus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 147.  
 1934. *Stomias affinis*, Edge, "Dana" *Rep.*, No. 5, p. 5, figs. 1, 2.

*Distribution.*—Atlantic, Indo-Pacific.

#### *Stomias nebulosus* Alc.

1889. *Stomias nebulosus*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 451 (type locality : Gulf of Manaar, 6°29'N., 70°34'E., 597 fms., type is in the Zoological Survey of India).  
 1892. *Stomias nebulosus*, Alcock, *Ill. Zool. Investig. Fish.*, pl. vii, fig. 1.  
 1896. *Stomias nebulosus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (Gulf of Manaar, 597 fms.).  
 1906. *Stomias nabulosus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 50, text-fig. 14.  
 1913. *Stomias nebulosus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 112, fig. 40.  
 1934. *Stomias nebulosus*, Edge, "Dana" *Rep.*, No. 5, p. 39, figs. 11, 12.

*Distribution.*—East Coast of Africa, Gulf of Manaar, Malay Archipelago.

#### *Stomias valdiviae* Br.

1906. *Stomias Valdiviae*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 48, pl. iii, fig. 1, text-fig. 11-13 (type locality : west coast of Africa ; Gulf of Guinea ; west coast of Sumatra, 0°30'5"N., 98°14'2"E., 594 m.).

*Distribution.*—Gulf of Guinea, West Coast of Africa, West Coast of Sumatra.

#### Genus *Photostomias* Collett.

1889. *Photostomias* Collett, *Bull. Soc. Zool. France* XIV, p. 291. (Type, *Photostomias guerni* Collett, orthotypic.)  
 1890. *Thaumastomias* Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 220. (Type, *Thaumastomias atrox* Alc., orthotypic.)

**Photostomias atrox** (Alc.).

1890. *Thaumastomias atrox*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 220, pl. viii, fig. 7 (type locality: Bay of Bengal, off Ganjam Coast, 1310 fms., type is in the Zoological Survey of India).  
 1899. *Photostomias atrox*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 150 (Bay of Bengal, off Ganjam Coast, 1310 fms., off the Andamans, 606 fms.).  
 1900. *Photostomias atrox*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxx, fig. 2.

*Distribution.*—Bay of Bengal.

## Family CHAULIODONTIDAE.

Genus **Chauliodus** Bloch & Schneider.

1801. *Chauliodus* Bloch & Schneider, *Syst. Ichth.*, p. 430. (Type, *Chauliodus sloani* Bl. Schn.)

**Chauliodus pammelas** Alc.

1892. *Chauliodus pammelas*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 355 (type locality: Laccadive Sea, 1370 fms., type is in the Zoological Survey of India).  
 1899. *Chauliodus pammelas*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 145 (Arabian Sea, in the neighbourhood of Minnikoy, 1370 fms.).  
 1900. *Chauliodus pammelas*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxx, fig. 4.  
 1906. *Chauliodus pammelas*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 42.  
 1913. *Chauliodus pammelas*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 110, fig. 38.  
 1939. *Chauliodus pammelas*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 21 (Arabian Sea; Maldive area).

*Distribution.*—Gulf of Aden, Gulf of Oman, Arabian Sea, Maldive area, Malay Archipelago.

**Chauliodus sloani** Bl. & Schn.

1801. *Chauliodus sloani*, Bloch & Schneider, *Syst. Ichth.*, p. 430 (type-locality: Atlantic Ocean).  
 1889. *Chauliodus sloanii*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 399 (Bay of Bengal, 1590 fms., Gulf of Mannar, 597 fms.).  
 1892. *Chauliodus sloanii*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 355 (Laccadive Sea).  
 1896. *Chauliodus sloanii*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 332 (Bay of Bengal, 1590 fms., Gulf of Manaar, 597 fms., Laccadive Sea).  
 1899. *Chauliodus Sloanii*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 144 (Gulf of Manaar, 597 fms., Bay of Bengal, 922 fms., 1590 fms., Laccadive Sea).  
 1906. *Chauliodus Sloanei*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 40, text-figs. 7-9.  
 1913. *Chauliodus sloani*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 110, fig. 38.  
 1939. *Chauliodus sloanei*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 21 (Maldive area, 494 m.).  
 1941. *Chauliodus sloani*, Herre, *Mem. Ind. Mus.* XIII, p. 336 (Andamans).

*Distribution.*—Atlantic, Mediterranean, Arabian Sea, Bay of Bengal, Malay Archipelago.

## Superfamily ASTRONESTHOIDAE (GYMNOFOTODERMI).

## Family ASTRONESTHIDAE.

Genus **Astronesthes** Richardson.

1844. *Astronesthes* Richardson, *Ichth. Voy. "Sulphur"*, p. 97. (Type, *Astronesthes niger* Rich., orthotypic.)

**Astronesthes cyaneus** (Br.).

1902. *Bathylchnus cyaneus*, Brauer, *Zool. Anz. XXV*, p. 289 (type locality : south of Ceylon, 4°56'N., 78°15'3" E., 2000 m.).  
 1906. *Bathylchnus cyaneus*, Brauer, "Valdivia" *Tiefsee Fische XV*, p. 35, pl. ii, fig. 5, text-fig. 6a-b.

*Distribution.*—Ceylon.

**Astronesthes indicus** Br.

1899. *Astronesthes* sp., Alcock, *Cat. Ind. Deep Sea Fish.*, p. 211 (of the Travancore Coast, 224-284 fms.).  
 1900. *Astronesthes* sp., Alcock, *Ill. Zool. Investig. Fish.*, pl. xxxv, fig. 3.  
 1902. *Astronesthes indicus*, Brauer, *Zool. Anz. XXV*, p. 287 (type locality ; east of Zanzibar, 3000 m.).  
 1906. *Astronesthes indicus*, Brauer, "Valdivia" *Tiefsee Fische XV*, p. 33, pl. ii, fig. 3, text-fig. 5a-b.

*Distribution.*—Arabian Sea.

**Astronesthes martensii** Klunz.

1871. *Astronesthes martensii*, Klunzinger, *Verh. Zool.—bot. Ges. Wien. XXI*, p. 594 (type locality : Red Sea).  
 1906. *Astronesthes Martensi*, Brauer, "Valdivia" *Tiefsee Fische XV*, p. 32, pl. ii, fig. 4 (south of Ceylon, 4°56'N., 78°15'3"E.).

*Distribution.*—Atlantic Ocean, Red Sea, Arabian Sea, Ceylon.

## Family MELANOSTOMIATIDAE (incl. MALACOSTEIDAE).

Genus **Melanostomias** Brauer.

1902. *Melanostomias* Brauer, *Zool. Anz. XXV*, p. 284. (Type *Melanostomias melanops* Br. orthotypic).

**Melanostomias melanops** Br.

1902. *Melanostomias melanops*, Brauer, *Zool. Anz. XXV*, p. 284 (type locality : west coast of Sumatra, 5°23'2"N., 94°48'1"E., 1024 m.).  
 1906. *Melanostomias melanops*, Brauer, "Valdivia" *Tiefsee Fische XV*, p. 53, pl. iii, figs. 4, 5, text-fig. 15 (west coast of Sumatra).  
 1913. *Melanostomias melanops*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel. II*, p. 114, fig. 41.

*Distribution.*—West Coast of Sumatra.

**Melanostomias valdiviae** Br.

1902. *Melanostomias valdiviae*, Brauer, *Zool. Anz. XXV*, p. 285 (type locality : west coast of Sumatra, 0°15'2"N., 98°8'8" E., 614 m.).  
 1906. *Melanostomias valdiviae*, Brauer, "Valdivia" *Tiefsee Fische XV*, p. 56, pl. iii, fig. 6, text-fig. 16 (west coast of Sumatra).  
 1913. *Melanostomias valdiviae*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel. II*, p. 115.

*Distribution.*—West Coast of Sumatra.

Genus **Malacosteus** Ayres.

1849. *Malacosteus* Ayres, *Journ. Bost. Soc. Nat. Hist.* VI, p. 53. (Type, *Malacosteus niger* Ayres, orthotypic).

**Malacosteus indicus** Gthr.

1878. *Malacosteus indicus*, Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 181 (type locality : Pacific ocean, 500 fms.).  
 1889. *Malacosteus indicus*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 452 (Andaman Sea, off Cinque I., 650 fms.).  
 1896. *Malacosteus indicus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 334 (Andaman Sea, 650 fms.).  
 1899. *Malacosteus* sp., Alcock, *Cat. Ind. Deep Sea Fish.*, p. 149 (Andaman Sea, 650 fms.).  
 1900. *Malacosteus* sp., Alcock, *Ill. Zool. Investig. Fish.*, pl. xxxiii, fig. 4.  
 1906. *Malacosteus indicus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 65, pl. iv, fig. 1, text-figs. 23-25 (Bay of Bengal).  
 1913. *Malacosteus indicus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 118, fig. 43.

*Distribution*.—West coast of S. Africa, Arabian Sea, Bay of Bengal, Andaman Sea, Celebes Sea, South of Philippines.

## Family IDIACANTHIDAE.

Genus **Stylophthalmus** Braur.

1902. *Stylophthalmus* Brauer, *Zool. Anz.* XXV, p. 298. (Type, *Stylophthalmus paradoxus* Br., orthotypic.)

**Stylophthalmus paradoxus** Br.

1902. *Stylophthalmus paradoxus*, Brauer, *Zool. Anz.* XXV, p. 298 (type-locality : south of Cape Town, 36°23'4"S., 17°38'1"E., 4170m., Indian Ocean; Antarctic Ocean).  
 1906. *Stylophthalmus paradoxus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 67, pl. v, figs. 1-7 (between Maldiva Is. and Ceylon; Bay of Bengal).

*Distribution*.—Atlantic Ocean, Arabian Sea, Bay of Bengal, Antarctic Ocean.

## Suborder NOTOPTEROIDEI.

## Family NOTOPTERIDAE.

Genus **Notopterus** Lacépède.

1800. *Notopterus*, Lacépède, *Hist. Nat. Poiss.* II, p. 189. (Type, *Gymnotus notopterus* Pallas, virtually tautotypic.)  
 1934. *Chitala* Fowler, *Proc. Acad. Nat. Sci. Philad.* LXXXV, p. 244, (Type *Mystus chitala* Ham., orthotypic).

**Notopterus chitala** (Ham.).

1822. *Mystus chitala*, Hamilton, *Fish. Gauges*, pp. 236, 382 (type locality ; larger freshwater rivers of Bengal and Behar).  
 1834. *Notopterus maculatus*, Valenciennes, *Voy. Ind. Orient. Belanger, Zool.*, p. 396, pl. v, fig. 2 (type locality : India).  
 1848. *Notopterus buchanani*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 148 (type locality : Calcutta).  
 1868. *Notopterus chitala*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 479 (East India).

1878. *Notopterus chitala*, Day, *Fish. India*, p. 654, pl. clix, fig. 5 (fresh waters of Sind, Lower Bengal, Orissa, Assam, Burma and Siam to the Malay Archipelago).  
 1889. *Notopterus chitala*, Day, *Faun. Brit. Ind. Fish.* I, p. 407.  
 1913. *Notopterus chitala*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 10, fig. 6.  
 1919. *Notopterus chitala*, Southwell & Prashad, *Rec. Ind. Mus.* XVI, p. 217 (Buxar).  
 1937. *Notopterus chitala*, Shaw & Shebbeare, *Journ. Roy. As. Soc. Bengal Sci.* III, p. 15 (Northern Bengal).  
 1941. *Notopterus chitala*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 544.

*Distribution.*—India, Burma, Siam, Malay Archipelago, Philippines.

### ***Notopterus notopterus* (Pallas).**

1769. *Gymnotus notopterus*, Pallas, *Spicil. Zool.* VII, pl. vi, fig. 2 (type locality Indian Ocean).  
 1801. *Clupea synura*, Schneider, *Syst. Ichth. Bloch*, p. 426 (type locality : Malabar).  
 1822. *Mystus kaporat*, Hamilton, *Fish. Ganges*, pp. 235, 382 (ponds and rivers of fresh water in Bengal).  
 1834. *Notopterus kaporat*, Valenciennes, *Voy. Ind. Orient. Belanger, Zool.*, p. 39, pl. v, fig. 1 (tanks of Bengal).  
 1838. *Mystus badgee*, Sykes, *Trans. Zool. Soc. London* II, p. 376, pl. lxvii, fig. 2; (type locality : Mota Mola River at Poona).  
 1848. *Notopterus pallasii*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 130 (type locality : India).  
 1848. *Notopterus hontianus*, Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXI, p. 147, (Irrawaddi, Java).  
 1868. *Notopterus kaporat*, Günther, *Cat. Fish. Brit. Mus.* VII, p. 480 (Loodianah, Assam, Bengal, Madras, Dekkan).  
 1878. *Notopterus kaporat*, Day, *Fish. India*, p. 653, pl. clix, fig. 4 (fresh and brackish waters of India to the Malay Archipelago).  
 1889. *Notopterus kaporat*, Day, *Faun. Brit. Ind. Fish.* I, p. 406.  
 1890. *Notopterus kaporat*, Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova* (2) IX, p. 355 (Rangoon, Mandalay).  
 1907. *Notopterus kaporat*, Lloyd, *Rec. Ind. Mus.* I, p. 222 (Akyab).  
 1910. *Notopterus kaporat*, Jenkins, *Rec. Ind. Mus.* V, p. 134 (Chilka Lake).  
 1913. *Notopterus notopterus*, Weber & de Beaufort, *Fish. Indo-Austral Archipel.* II, p. 9.  
 1916. *Notopterus notopterus*, Raj. *Rec. Ind. Mus.* XII, p. 253 (Madras).  
 1918. *Notopterus notopterus*, Annandale, *Rec. Ind. Mus.* XIV, p. 53 (Inle Lake Burma).  
 1929. *Notopterus notopterus*, Prashad & Mukerji, *Rec. Ind. Mus.* XXXI, p. 209 (Indawgyi Lake, Burma).  
 1936. *Notopterus notopterus*, Hora & Mukerji, *Rec. Ind. Mus.* XXXVIII, p. 18 (Rangoon).  
 1937. *Notopterus notopterus*, Shaw & Shebbeare, *Journ. Roy. As. Soc. Bengal Sci.* III, p. 16 (clear streams of the Terai and Duars).  
 1938. *Notopterus notopterus*, Hora & Misra, *Journ. Bombay Nat. Hist. Soc.* XL, p. 21 (Deolali).  
 1941. *Notopterus notopterus*, Fowler, *Bull. U. S. Nat. Mus.* (100) XIII, p. 546.  
 1942. *Notopterus notopterus*, Hora & Misra, *Journ. Bombay Nat. Hist. Soc.* XLIII, p. 219 (Poona).

*Distribution.*—India, Burma, Malay Peninsula, Malay Archipelago, Siam, Philippines.

### ***Notopterus osmani* Rahimullah & Das.**

1936. *Notopterus osmani*, Rahimullah & Das, *Bull. Soc. Port. Sci. Nat.* XII, No. 18, p. 136, pl. xxiii (type locality : rivers of Hyderabad, Deccan).

*Distribution.*—Hyderabad, India.

## Order BATHYCLUPEIFORMES.

## Family BATHYCLUPEIDAE.

Genus **Bathyclupea** Alcock.

1891. *Bathyclupea* Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 130. (Type, *Bathyclupea hoskynii* Alc., orthotypic).

**Bathyclupea hoskynii** Alc.

1891. *Bathyclupea Hoskynii*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 131 (type locality: Andaman Sea, 188-220, fms., type is in the Zoological Survey of India).
1899. *Bathyclupea Hoskynii*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 40 (Andaman Sea, 189 fms., 188-220 fms., 370-419 fms., off Madras, 149-250 fms.).
1900. *Bathyclupea Hoskynii*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxviii, fig. 2.
1941. *Bathyclupea hoskynii*, Herre, *Mem. Ind. Mus.* XIII, p. 334 (Andamans).
- Distribution.*—Andaman Sea.

## Order GALAXIIFORMES.

## Family GALAXIIDAE.

Genus **Galaxias** Cuvier.

1817. *Galaxias* Cuvier, *Règne Animal* II, ed. 1, p. 183. (Type, *Esox truttaceus* Cuvier).

**Galaxias indicus** Day.

1888. *Galaxias indicus*, Day, *Fish. India Suppl.*, p. 806 fig. (type locality littoral districts of Bengal and Madras).
1889. *Galaxias indicus*, Day, *Faun. Brit. Ind. Fish.* I, p. 405, fig. 128.

*Distribution.*—India.

## Order SCOPELIFORMES.

## Family SYNODIDAE (SAURIDAE, SYNODONTIDAE).

Genus **Harpodon** Le Sueur.

1825. *Harpodon* Le Sueur, *Journ. Acad. Nat. Sci. Philad.* V p. 48. (Type, *Salmo microps* Le Sueur = *Osmerus nehereus* Ham., orthotypic).

**Harpodon nehereus** (Ham.).

1822. *Osmerus ? nehereus*, Hamilton, *Fish. Ganges*, pp. 209, 380 (type locality: mouths of the Ganges).
1849. *Saurus ophiodon* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXII, p. 490 (Coromandel, Malabar).
1865. *Harpodon nehereus*, Day, *Fish. Malabar*, p. 201 (Malabar).
1877. *Harpodon neherus*, Day, *Fish. India*, p. 505, pl. cxviii, fig. 1 (from Zanzibar to China, Seas and estuaries of India most Common at Bombay but decreasing in number down the Malabar Coast. It is not very common at Madras and estuaries of Bengal and Burmah).
1889. *Harpodon nehereus*, Day, *Faun. Brit. Ind. Fish.* I, p. 412.
1907. *Harpodon nehereus*, Lloyd, *Rec. Ind. Mus.* I, p. 223 (Akyab).

1910. *Harpodon nehereus*, De, *Rep. Fish. Eastern Bengal & Assam*, p. 26 (Chittagong, Noakhali).  
 1911. *Harpodon nehereus*, Gupta, *Coll. Papers Fish. Surv. Bengal*, pp. 2, 6 (Sandheads).  
 1912. *Harpodon nehereus*, Jenkins, *Rec. Ind. Mus.* VII, p. 58 (Arakan Coast).  
 1913. *Harpodon nehereus*, Weber & de Beaufort, *Fish. Indo-Austral Archipel.* II, p. 151, fig. 57.  
 1915. *Harpodon nehereus*, Southwell, *Rec. Ind. Mus.* XI, p. 311 (Diamond Harbour).  
 1916. *Harpodon nehereus*, Govindan, *Madras Fish. Bull.* IX, p. 115 (East Coast).  
 1917. *Harpodon nehereus*, Kemp, *Rec. Ind. Mus.* XIII, p. 234 (Matlah river).  
 1922. *Harpodon nehereus*, Moses, *Madras Fish. Bull.* XV, p. 161 (Madras).  
 1923. *Harpodon nehereus*, Hefford, *Rep. "William Carrick"* p. 31 (Bombay).  
 1932. *Harpodon nehereus* Setna, *Journ. Bombay Nat. Hist. Soc.* XXXV, p. 867 (Bombay).  
 1933. *Harpodon nehereus*, Sorley, *Marine Fish. Bombay Presidency*, p. 161 (Bombay).  
 1934. *Harpodon nehereus*, Hora, *Journ. Bombay Nat. Hist. Soc.* XXXVII, p. 640.  
 1937. *Harpodon nehereus*, Awati & Pinto, *Journ. Univ. Bombay.* V, p. 74 (Bombay).

*Distribution.*—Zanzibar, India, Burma, Malaya, Malay Archipelago, China.

### **Harpodon squamosus** Alc.

1891. *Harpodon squamosus*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 127. (type locality : Bay of Bengal, 240-276 fms., type is in the Zoological Survey of India).  
 1899. *Harpodon squamosus*, Alcock, *Cat. Ind. Deep. Sea Fish.*, p. 154 (Bay of Bengal).  
 1900. *Harpodon squamosus*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxx, fig. 1.  
 1906. *Harpodon squamosus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 379 (Bay of Bengal).

*Distribution.*—Bay of Bengal.

### Genus **Saurida** Cuvier & Valenciennes.

1949. *Saurida* Cuvier & Valenciennes, *Hist. Nat. Poiss.* XXII, p. 499. (Type, *Salmo tumbil* Bl., logotypic).

### **Saurida gracilis** (Q. & G.).

1824. *Saurus gracilis*, Quoy & Gaimard, *Voy "Uranie" Zool.*, p. 224 (type locality : Hawaiian Is., Mauritius).  
 1877. *Saurida nebulosa*, Day, *Fish. India*, p. 505 (from the Red Sea, Madagascar and the coasts of Zanzibar, to the Mauritius, through the seas of India to the Malay Archipelago and beyond).  
 1889. *Saurida nebulosa*, Day, *Faun. Brit. Ind. Fish.* I, p. 411, fig. 131.  
 1913. *Saurida gracilis*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 143, fig. 53.  
 1935. *Saurida gracilis*, Norman, *Proc. Zool. Soc. London*, p. 127 (Andamans ; Maldives).  
 1941. *Saurida gracilis*, Herre, *Mem. Ind. Mus.* XIII, p. 340 (Andamans).

*Distribution.*—Red Sea, East Coast of Africa, Madagascar, Mauritius, Maldives, India, Andamans, Malay Archipelago, Philippines, Polynesia, Micronesia, Hawaii.

### **Saurida longimanus** Norman.

1939. *Saurida longimanus*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 23 (type locality : Gulf of Oman, 25°35'N., 56°42'18"E., 106m., holotype is in the British Museum).

*Distribution.*—Gulf of Oman.

**Saurida tumbil** (Bl.).

1795. *Salmo tumbil*, Bloch, *Ausland Fische* IX, p. 112, pl. ccccxxx (type locality; not given).  
 1870. *Saurida tumbil*, Day, *Proc. Zool. Soc. London*, p. 699 (Andamans).  
 1877. *Saurida tumbil*, Day, *Fish. India*, p. 504, pl. cxvii, fig. 6 (from the Red Sea through the Seas of India to the Malay Archipelago, China and Japan).  
 1889. *Saurida tumbil*, Day, *Faun. Brit. Ind. Fish.* I, p. 410, fig. 131.  
 1913. *Saurida tumbil*, Weber & de Beaufort, *Fish. Indo—Austral. Archipel.* II, p. 142.  
 1922. *Saurida tumbil*, Moses, *Madras Fish. Bull.* XV, p. 159 (Madras).  
 1923. *Saurida tumbil*, Hefford, *Rep. "William Carrick"*, p. 31 (Bombay).  
 1933. *Saurida tumbil*, Deraniyagala, *Ceylon Journ. Sci.* (C) V, p. 89 (Ceylon).  
 1933. *Saurida tumbil*, Sorley, *Marine Fish. Bombay Presidency*, p. 161 (Bombay).  
 1935. *Saurida tumbil*, Norman, *Proc. Zool. Soc. London*, p. 129 (Karachi, Madras).  
 1941. *Saurida tumbil*, Herre, *Mem. Ind. Mus.* XIII, p. 341 (Andamans).

*Distribution.*—Red Sea, Madagascar, Zanzibar, India, Andamans, Ceylon, Malay Archipelago, Philippines, Formosa, China, Japan, Australia, Sandwich Islands.

**Saurida undosquamis** (Rich.).

1848. *Saurus undosquamis*, Richardson, *Zool. "Erabus" and "Terror" Fish.* p. 138, pl. li, figs. 1-6 (type locality: N. W. Australia; type is in the British Museum).  
 1935. *Saurida undosquamis*, Norman, *Proc. Zool. Soc. London*, p. 131 (Maldives; River Hooghly).  
 1939. *Saurida undosquamis*, Norman, *Sci. Rep. John Murray Exped.* VIII, p. 23 (Gulf of Oman).

*Distribution.*—Red Sea, Gulf of Aden, East Africa, Zanzibar, Gulf of Oman, Maldives, India, Singapore, Australia, Japan.

Genus **Synodus** Scopoli.

1763. *Synodus Gronovius*, *Zooph.* I, p. 112. (Type, *Esox synodus* L., genotypic; inadmissible, according to opinion 89 of the International Commission of Zoological Nomenclature).  
 1777. *Synodus Scopoli*, *Introd. Nat. Hist.*, p. 447. (Type, *Esox synodus* L., genotypic).  
 1817. *Saurus Cuvier*, *Régne Animal* II, ed. 1, p. 169. (Type, *Salmo saurus* L., tautotypic).

**Synodus indicus** (Day.).

1873. *Saurus indicus*, Day, *Journ. Linn. Soc. Zool.* XI, p. 526 (type locality: Madras; lactotype is in the Zoological Survey of India).  
 1877. *Saurus Indicus*, Day, *Fish. India*, p. 503, pl. cxvii, fig. 4 (Madras).  
 1889. *Saurus indicus*, Day, *Faun. Brit. Ind. Fish.* I, p. 409 (Madras).  
 1935. *Synodus indicus*, Norman, *Proc. Zool. Soc. London*, p. 114 (Madras).

*Distribution.*—South East Africa, India.

**Synodus variegatus** (Lac.).

1803. *Salmo variegatus*, Lacépède, *Hist. Nat. Poiss.* V, p. 157 pl. iii, fig. 3 (type locality: not given).  
 1913. *Saurus variegatus*, Weber & de Beaufort, *Fish. Indo—Austral. Archipel.* II, p. 147.  
 1935. *Synodus variegatus*, Norman, *Proc. Zool. Soc. London*, p. 106 (Maldives; Andamans).

*Distribution.*—Natal Coast, Zanzibar, Madagascar, Mauritius, Arabia, Gulf of Aden, Maldives, Andamans, Malay Archipelago China, Japan, Bismarck Archipelago.



Genus **Trachinocephalus** Gill.

1861. *Trachinocephalus* Gill, *Proc. Acad. Nat. Sci. Philad. Suppl.*, p. 53. (Type, *Salmo myops* Bl. Schn. genotypic).  
 1897. *Goodella* Ogilby, *Proc. Linn. Soc. N.S. Wales XXII*, p. 249. (Type, *Goodella hypozona* Ogilby, genotypic).

**Trachinocephalus myops** (Bl. & Schn.).

1801. *Salmo myops*, Bloch & Schneider, *Syst. Ichth.*, p. 421 (type locality: St. Helena).  
 1877. *Saurus myops*, Day, *Fish. India*, p. 504, pl. cxvii, fig. 5 (Seas of India to the Malay Archipelago and the tropical portion of the Atlantic and Pacific oceans).  
 1889. *Saurus myops*, Day, *Faun. Brit. Ind. Fish. I*, p. 409, fig. 130.  
 1913. *Saurus myops*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel. II*, p. 145.  
 1929. *Saurus myops*, Pillay, *Journ. Bombay Nat. Hist. Soc. XXXIII*, p. 360 (Travancore).  
 1935. *Trachinocephalus myops*, Norman, *Proc. Zool. Soc. London*, p. 122 (Indian Seas).

*Distribution.*—Natal, India, Malay Archipelago, Philippines, Formosa, China, Japan, Oceania.

## Family SCOPELARCHIDAE.

Genus **Scopelarchus** Alcock.

1896. *Scopelarchus* Alcock, *Journ. As. Soc. Bengal LXV*, p. 306. (Type, *Scopelarchus guentheri* Alc., orthotypic.)

**Scopelarchus guentheri** Alc.

1896. *Scopelarchus Guentheri*, Alcock, *Journ. As. Soc. Bengal LXV*, p. 307 (type locality : off the Indus Delta, 947 fms., type is in the Zoological Survey of India).  
 1897. *Scopelarchus guentheri*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xvii, fig. 7.  
 1899. *Scopelarchus Guentheri*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 153.

*Distribution.*—India.

## Family EVERMANNELLIDAE.

Genus **Evermannella** Fowler.

1838. *Odontostomus* (*nec* Beck, 1837) Cocco, *N. Ann., Sci. Nat. Bologna II*, p. 192, as *Odontostomus* on p. 194. (Type, *O. hyalinus* Cocco, orthotypic.)  
 1901. *Evermannella* Fowler, *Proc. Acad. Nat. Sci. Philad.*, p. 211. (Type, *Odontostomus hyalinus* Cocco, orthotypic.)

**Evermannella atratus** (Alc.).

1893. *Odontostomus atratus*, Alcock, *Journ. As. Soc. Bengal LXII*, p. 182, pl. ix, fig. 4 (type locality : Bay of Bengal, 573 fms., type is in the Zoological Survey of India).  
 1896. *Odontostomus atratus*, Alcock, *Journ. As. Soc. Bengal LXV*, p. 333 (Bay of Bengal, 573 fms.).  
 1899. *Odontostomus atratus* Alcock, *Cat. Ind. Deep Sea Fish.*, p. 167 (Bay of Bengal, 573 fms., Andaman Sea, 370-419 fms.).  
 1900. *Odontostomus atratus*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xxxiii, fig. 3.  
 1906. *Evermannella atratus*, Brauer, "Valdivia" *Tiefsee Fische XV*, p. 136, pl. x, figs. 3, 4.

*Distribution.*—Chagos Archipelago, Bay of Bengal.

## Family SUDIDAE.

Genus **Chlorophthalmus** Bonaparte.

- 1832-41. *Chlorophthalmus* Bonaparte, *Iconogr. Faun. Ital.* III, fasc. 28, p. 144. (Type, *Chlorophthalmus agassizi* Bonaparte.)

**Chlorophthalmus agassizi** Bonap.

- 1832-41. *Chlorophthalmus agassizi*, Bonaparte, *Iconogr. Faun. Ital.* III, fasc. 28, p. 144 (type locality : Mediterranean).  
 1894. *Chlorophthalmus corniger*, Alcock, *Journ. As. Soc. Bengal* LXIII, p. 133, pl. vi, fig. 5 (type locality : Bay of Bengal, 11½ miles S. 83°W. of Colombo Lt., 26½-250 fms. ; type is in the Zoological Survey of India).  
 1895. *Chlorophthalmus corniger*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xv, fig. 8.  
 1896. *Chlorophthalmus corniger*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (Bay of Bengal, 145-250 fms.).  
 1899. *Chlorophthalmus corniger*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 155 (Bay of Bengal, off Madras coast, 145-250 fms.).  
 1906. *Chlorophthalmus corniger*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 145.  
 1913. *Chlorophthalmus corniger*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 178 (west coast of Sumatra).  
 1928. *Chlorophthalmus agassizi*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 19.  
 1939. *Chlorophthalmus agassizi*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 24.

*Distribution.*—Mediterranean, N.E. Coast of Africa, Ceylon, Bay of Bengal, West Coast of Sumatra, Hawaiian Is.

Genus **Bathypterois** Günther.

1878. *Bathypterois* Günther, *Ann. Mag. Nat. Hist.* (5) II, p. 183. (Type, *Bathypterois longifilis* Gthr., orthotypic.)

**Bathypterois atricolor** Alc.

1896. *Bathypterois atricolor* Alcock, *Journ. As. Soc. Bengal* LXV, p. 306 (type locality : Laccadive Sea, 891 fms. ; type is in the Zoological Survey of India).  
 1897. *Bathypterois atricolor*, Alcock, *Ill. Zool. Investig. Fish.*, pl. xvii, fig. 6.  
 1898. *Bathypterois atricolor*, Alcock, *Ann. Mag. Nat. Hist.* (7) II, p. 146 (off Laccadives, 891 fms., off Maldives, 459 fms., off Cape Camorin, 824 fms.).  
 1899. *Bathypterois atricolor*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 159.

*Distribution.*—India.

**Bathypterois guentheri** Alc.

1889. *Bathypterois Guentheri*, Alcock, *Ann. Mag. Nat. Hist.* (6) IV, p. 450 (type locality : Andaman Sea, 7½ miles east of N. Cinque I., 490 fms. ; type is in the Zoological Survey of India).  
 1891. *Bathypterois Guentheri*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 129 (Bay of Bengal, 561 fms.).  
 1892. *Bathypterois Guentheri*, Alcock, *Ill. Zool. Investig. Fish.*, pl. vii, fig. 6.  
 1896. *Bathypterois guentheri*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 332 (off coast of Andaman Is., 490-561 fms.).  
 1899. *Bathypterois Guentheri*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 157 (Andaman Sea, 490 fms., Arabian Sea, off the Laccadives and Maldives, 636, 719 fms.).  
 1906. *Bathypterois Guentheri*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 380.  
 1928. *Bathypterois guentheri*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 25.

*Distribution.*—Arabian Sea, Bay of Bengal.

**Bathypterois insularum** Alc.

1892. *Bathypterois insularum*, Alcock, *Ann. Mag. Nat. Hist.* (6) X, p. 356 (type locality : Arabian Sea, 14°35'15"N., 70°2'37"E., 1140 fms. ; type is in the Zoological Survey of India).  
 1896. *Bathypterois insularum*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 33 (Laccadive Sea, 1,140 fms.).  
 1899. *Bathypterois insularum*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 158 (Arabian Sea, off the Laccadive Is., 1,140 fms.).  
 1928. *Bathypterois insularum*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 27.

*Distribution.*—Coast of S. Africa, Laccadive Is.

## Family OMOSUDIDAE.

Genus **Omosudis** Günther.

1887. *Omosudis* Günther, *Rep. Deep Sea Fish.* "Challenger" XXII, p. 201. (Type, *Omosudis lowi* Gthr., orthotypic.)

**Omosudis elongatus** Br.

1906. *Omosudis elongatus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 140; fig. 68 (type locality : Gulf of Guinea ; Bay of Bengal ; South of Ceylon).

*Distribution.*—Atlantic Ocean, South of Ceylon, Bay of Bengal.

## Family SCOPELIDAE.

Genus **Myctophum** Rafinesque.

1810. *Myctophum* Rafinesque, *Indice d' Ittiologia Siciliana Messina*, p. 56. (Type, *Myctophum punctatum* Raf.)

**Myctophum coccoi** (Cocco).

1829. *Scopelus coccoi*, Cocco, *Giorn. Sci. per la Sicilia* VII, p. 143 (type locality : Mediterranean)-  
 1906. *M. (Myctophum) Coccoi*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 199, figs. 116-120 (Bay of Bengal).  
 1913. *Myctophum coccoi*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 158.  
 1928. *Myctophum coccoi*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 61.

*Distribution.*—Atlantic ocean, Mediterranean, Bay of Bengal, Indian and Pacific waters.

**Myctophum fibulatum** Gilbert & Cramer.

1897. *Myctophum fibulatum*, Gibbert & Cramer, *Proc. U.S. Nat. Mus.*, p. 411; pl. xxxviii, fig. 3 (type locality : 12°13'N., 157°43'37"E. ; type is in the United States National Museum).  
 1939. *Myctophum fibulatum*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 28 (Arabian Sea, 23°2'48"N., 64°31'54"E.).

*Distribution.*—Atlantic Ocean, Arabian Sea, Pacific Ocean.

**Myctophum indicus** Day.

1878. *Scopelus Indicus*, Day, *Fish. India*, p. 507, pl. cxviii, fig. 2 (type locality : Vizagapatam ; it would belong to sub-genus *Myctophum*).  
 1889. *Scopelus indicus*, Day, *Faun. Brit. Ind. Fish.* I p. 413, fig. 133.  
 1899. *Myctophum indicus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 161.  
 1928. *Myctophum indicus*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 53.

*Distribution.*—India.

**Myctophum laternatum** Garman.

1899. *Myctophum laternatum*, Garman, *Mem. Mus. Comp. Zool.* XXIV, p. 267, pl. lvi, fig. 1 (type locality : 10°14'N., 96°28'W., surface to 200 fms.).  
 1906. *M. (Myctophum) laternatum*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 178, figs. 89-91 (Bay of Bengal).

1928. *Myctophum laternatum*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 67.  
 1939. *Myctophum laternatum*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 29 (Arabian Sea, 12°8'6"N., 63°4'36"E.).

*Distribution.*—Gulf of Panama, Gulf of Guinea, Gulf of Aden, N.E. Coast of Africa, Arabian Sea, between Chagos Archipelago and Ceylon, Bay of Bengal, West Coast of Central America.

### **Myctophum pterotus** Alc.

1890. *Scopelus (Myctophum) pterotus*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 217 (type locality : Bay of Bengal, 18°30'N., 84°46'E., 98-102 fms. ; type is in the Zoological Survey of India).  
 1894. *Scopelus pterotus*, Alcock, *Ill. Zool. Investig. Fish.*, pl. ix, fig. 3.  
 1896. *Scopelus (Myctophum) pterotus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (off Madras coast, 98-102 fms.).  
 1899. *Scopelus pterotus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 162 (Bay of Bengal, 98-102 fms., Andaman Sea, 370-419 fms.).  
 1906. *M. (Myctophum) pterotum*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 182, fig. 94 nec fig. 93.  
 1939. *Myctophum pterotum*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 28 (Arabian Sea, 23°2'48"N., 64°31'54"E.).

*Distribution.*—Atlantic (?), Arabian Sea, Bay of Bengal, Sandwich Is. Norman (*loc. cit.*) writes "This species has been so frequently confused with *M. fibulatum* Gilbert and Cramer that it is difficult to ascertain the range of its distribution.

### **Myctophum reinhardti** (Lütken.).

1892. *Scopelus reinhardti*, Lütken, *Spolia Atlantica Scopelini*, p. 257, fig. 16 (type locality : Madeira, 34°22'N., 18°10'W.).  
 1939. *Myctophum reinhardti*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 29 (Arabian Sea, 12°8'6"N., 63°4'36"E.).

*Distribution.*—Madeira, Canaries I., Gulf of Guinea, S. W Africa, N. E. Africa, Gulf of Aden, Arabian Sea.

### **Myctophum spinosum** (Steind.).

1867. *Scopelus spinosus*, Steindachner, *Ickth. Notizen V. Sitzber. Akad. Wien* LV, p. 711, pl. iii, fig. 4.  
 1906. *M. (Myctophum) spinosum*, Brauer, "Valdivia" *Tiefsee Fische*, XV, p. 196, figs. 113, 114 (Bay of Bengal).  
 1913. *Myctophum spinosum*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 163.  
 1928. *Myctophum spinosum*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 63.

*Distribution.*—Atlantic Ocean, Indian Ocean, Bay of Bengal, Pacific Ocean.

### **Myctophum valdiviae** Br.

1904. *Myctophum Valdiviae*, Brauer, *Zool. Anz.* XXVIII, p. 398, fig. 6 (type locality : Atlantic and Indian Oceans).  
 1906. *M. (Myctophum) Valdiviae*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 206, fig. 127 (Bay of Bengal, 7°43'2"N., 88°44'9"E.).  
 1928. *Myctophum valdiviae*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 57.

*Distribution.*—Atlantic Ocean, Indian Ocean, Bay of Bengal, Pacific Ocean.

### Genus **Lampanyctus** Bonaparte.

1840. *Lampanyctus* Bonaparte, *Faun. Ital.* pt. 27, fasc. 138. (Type, *Nyctophus bonapartii* Cocco, orthotypic.)

**Lampanyctus gemmifer** G. B.

1895. *Lampanyctus gemmifer*, Goode & Bean, *Ocean, Ichth.* LXXXI, fig. 88 (type locality : Grand Banks, 39°39'45" N., 71°35'15" W.).  
 1906. *M. (Lampanyctus) gemmifer*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 246, fig. 163.

*Distribution*.—Atlanti: Ocean, Arabian Sea, 947 fms. (Marine Survey).

**Lampanyctus longipes** Br.

1906. *M. (Lampanyctus) longipes*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 236, fig. 155 (type locality : Madeira, 31°59'3"N., 15°5'W., Gulf of Guinea ; Cocos I., Bay of Bengal ; Seychelles).  
 1928. *Lampanyctus longipes*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 82.

*Distribution*.—Madeira, Gulf of Guinea, Seychelles, Chagos Archipelago, Bay of Bengal, Cocos Is.

**Lampanyctus macropterum** Br.

1904. *M. (Lampanyctus) macropterum*, Brauer, *Zool. Anz.* XXVIII, p. 404, fig. 5 (type locality : Indian Ocean).  
 1906. *M. (Lampanyctus) macropterum*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 249, figs. 166, 167 (South of Ceylon, 4°56'N., 78°15'3"E., Bay of Bengal).  
 1928. *Lampanyctus macropterum*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 88.  
 1939. *Lampanyctus macropterus*, Norman, *Sci. Rep. John. Murray Exped.* VII, p. 29 (Arabian Sea, 12°8'6"N., 63°4'36"E.).

*Distribution*.—N.E. Coast of Africa, Gulf of Aden, Arabian Sea, Chagos Archipelago, South of Ceylon, Bay of Bengal, Cocos Is.

**Lampanyctus micropterum** Br.

1906. *M. (Lampanyctus) micropterum*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 239, fig. 157 (type locality : Gulf of Guinea, 0°26'3"N., 6°32'W.).  
 1928. *Lampanyctus micropterus*, Parr, *Bull. Bingham Ocean. Coll.* III, p. 85 (Atlantic and Indian Oceans.)

*Distribution*.—Gulf of Guinea, West Coast of Sumatra.

**Lampanyctus pyrsobolus** (Alc).

1890. *Scopelus pyrsobolus*, Alcock, *Ann. Mag. Nat. Hist.*(6) VI, p. 218, pl. viii fig. 3 (type locality : Bay of Bengal, 15°38'N., 82°30'E., 690–920 fms. type is in the Zoological Survey of India).  
 1896. *Scopelus pyrsobolus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (off Madras coast, 690-920 fms).  
 1899. *Scopelus pyrsobolus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 163 (Bay of Bengal, 690-920 fms).  
 1900. *Scopelus pyrsobolus*, Alcock, *Ill. Ind. Zool. Investig. Fish.*, pl. xxx, fig. 3.

*Distribution*.—Bay of Bengal.

Genus **Diaphus** Eigenmann and Eigenmann.

1891. *Diaphus* Eigenmann and Eigenmann, *Proc. Calif. Acad. Sci.* (2) III, p. 3. (Type, *Diaphus theta* Eig. Eig., orthotypic).

**Diaphus coeruleus** (Klunz.).

1871. *Scopelus coeruleus*, Klunzinger, *Verh. zool. bot. Ges. Wien* XXI, p. 592 (type locality : Kosseir, Red Sea ; type is in the Berlin Museum).  
 1891. *Scopelus engraulis*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 129 (Andaman Sea, 188-220 fms.).

1896. *Scopelus engraulis*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (Andaman Sea, 188-220 fms.).  
 1899 *Scopelus engraulis*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 161.  
 1913. *Myctophum caeruleus*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 163, fig. 65 b.  
 1928. *Diaphus coeruleus*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 122.  
 1941. *Diaphus coeruleus*, Herre, *Mem. Ind. Mus.* XIII, p. 341.

*Distribution.*—Red Sea, Andaman Sea, West Coast of Sumatra, Celebes Sea, Philippines.

**Diaphus dumerili** (Blkr.).

1836. *Scopelus Dumerili*, Bleeker, *Act. Soc. Sci. Ind. Neerl.* (Manado) I, p. 66 (type locality : Manado, Celebes).  
 1899. *Scopelus Dumerili*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 162 (off the Malabar Coast, 172 fms.).  
 1913. *Myctophum dumerili*, Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 166.

*Distribution.*—India, Celebes, Hawaii, Tropical Atlantic Ocean.

**\*Diaphus garmani** Gilb.

1906. *Diaphus garmani*, Gilbert, *Bull. Mus. Comp. Zool. Harvard* XLVI, No. 14, p. 258, pl. ii (type locality : Cuba).  
 1939. *Diaphus garmani*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 30 (Arabian Sea, 23°3'48"N., 64°31'54"E.).

*Distribution.*—West Indies, Arabian Sea (?).

Norman (*loc. cit.*) writes " These small specimens are very doubtfully referred to this species "

**\*Diaphus lutkeni** (Br.).

1904. *M. (Myctophum) Lutkeni*, Brauer, *Zool. Anz.* XXVIII, p. 400 (type locality : Indian Ocean).  
 1939. *Diaphus lutkeni*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 30 (Arabian Sea, 10°54'42"N. 61°20'54"E.).

*Distribution.*—N. E. Coast of Africa, Zanzibar, Chagos I., Arabian Sea.

**\*Diaphus rafinesquei** (Cocco).

1838. *Nyctophus Rafinesquei*, Cocco, *N. Ann. Sci. Nat. Bologna* II, p. 20, pl. iii, fig. 7 (type locality : Mediterranean).  
 1906. *M. (Diaphus) Rafinesquei*, Brauer, " Valdivia " *Tiefsee Fische* XV, p. 223, figs. 144, 145.  
 1939. *Diaphus rafinesquei*, Norman, *Sci. Rep. John. Murray Exped.* VII, p. 30 (Arabian Sea, 23°2'48"N., 64°31'54"E.).

*Distribution.*—Atlantic, Mediterranean, Gulf of Aden, Arabian Sea Pacific Ocean.

**Diaphus splendidum** (Br.).

1904. *Myctophum (Nyctophus) splendidum*, Brauer, *Zool. Anz.* XXVIII, p. 399, fig. 7 (type locality : Atlantic and Indian Oceans).  
 1906. *M. (Diaphus) splendidum*, Brauer, " Valdivia " *Tiefsee Fische* XV, p. 218, figs. 138, 139 (Bay of Bengal).  
 1939. *Diaphus splendidum*, Norman, *Sci. Rep. John. Murray Exped.* VII, p. 31 (Maldives).

*Distribution.*—Gulf of Guinea, N. Coast of Africa, Mauritius, Seychelles, Maldive area, Bay of Bengal, West Coast of Sumatra.

Genus **Neoscopelus** Johnson.

1863. *Neoscopelus* Johnson, *Proc. Zool. Soc. London*, p. 44. (Type, *Neoscopelus macrolepidotus* Johnson, orthotypic.)

**Neoscopelus macrolepidotus** Johnson.

1863. *Neoscopelus macrolepidotus*, Johnson, *Proc. Zool. Soc. London.* p. 44, pl. vii (type locality : Madeira ; type is in the British Museum).  
 1891. *Neoscopelus macrolepidotus*, Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 129 (Andamans, 188-220 fms.).  
 1896. *Neoscopelus macrolepidotus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 333 (Andaman Sea, 188-220 fms.).  
 1899. *Neoscopelus macrolepidotus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 164 (Andaman Sea, 188-405 fms., Arabian Sea, off Travancore Coast, 360 fms.).  
 1906. *Neoscopelus macrolepidotus*, Brauer, "Valdivia" *Tiefsee Fische* XV, p. 147 pl. xi, figs. 2, 3, test-figs. 72-76.  
 1913. *Neoscopelus macrolepidotus* Weber & de Beaufort, *Fish. Indo-Austral. Archipel.* II, p. 174, fig. 67.  
 1939. *Neoscopelus macrolepidotus*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 28 (Maldive area).  
 1941. *Neoscopelus macrolepidotus*, Herre, *Mem. Ind. Mus.* XIII, p. 341 (Andamans).

*Distribution.*—Madeira, West Indies, Coast of Morocco, Arabian Sea, Maldive area, Andamans, West Coast of Sumatra, Malay Archipelago, New Zealand, Sandwich Is.

Genus **Scopelengys** Alcock.

1890. *Scopelengys* Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 302. (Type, *Scopelengys tristis* Alc., orthotypic).

**Scopelengys tristis** Alc.

1890. *Scopelengys tristis*, Alcock, *Ann. Mag. Nat. Hist.* (6) VI, p. 303 (type locality : Laccadive Sea, 11°12'47"N., 74°25'30"E., 1000 fms.; type is in the Zoological Survey of India.)  
 1892. *Scopelengys tristis*, Alcock, *Ill. Zool. Investig. Fish.*, pl. vii, fig. 7.  
 1899. *Scopelengys tristis*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 166 (Arabian Sea, off the Laccadive Is., 1,000 fms.).  
 1928. *Scopelengys tristis*, Parr, *Bull. Bingham Ocean. Coll.* III, art. 3, p. 48.  
 1939. *Scopelengys tristis*, Norman, *Sci. Rep. John Murray Exped.* VIII, p. 28 (Arabian Sea, 12°8'6"N., 63°4'36"E.).

*Distribution.*—Arabian Sea, Laccadive Is., West Coast of Central America.

## Order ATELEOPIFORMES (CHONDROBRANCHII).

## Family ALELEOPIDAE.

Genus **Podateles** Boulenger.

1846. *Ateleopus* Temminck & Schiegel (*nec Ateleopus* Duméril & Bibron, 1841) *Faun. Japon. Pisc.* IV, p. 255. (Type, *Ateleopus japonicus* Blkr., orthotypic : inadmissible.)  
 1902. *Podateles* Boulenger, *Ann. Mag. Nat. Hist.* (7) X, p. 403. (Type, *Ateleopus japonicus* Blkr., orthotypic.)

**Podateles indicus** (Wood-Mason & Alcock).

1891. *Ateleopus indicus*, Wood-Mason & Alcock, *Ann. Mag. Nat. Hist.* (6) VIII, p. 123, fig. 3 (type locality : Andaman Sea, 10°31'40"N., 92°46'6"E., 188-220 fms. ; type is in the Zoological Survey of India).  
 1892. *Ateleopus indicus*, Alcock, *Ill. Zool. Investig. Fish.*, pl. ii, fig. 2.  
 1896. *Ateleopus indicus*, Alcock, *Journ. As. Soc. Bengal* LXV, p. 327.  
 1899. *Ateleopus indicus*, Alcock, *Cat. Ind. Deep Sea Fish.*, p. 123 (Andaman Sea, 188-220 fms., Arabian Sea, off Travancore Coast, 224-284 fms.).  
 1939. *Ateleopus indicus*, Norman, *Sci. Rep. John Murray Exped.* VII, p. 32 (Maldive area).

*Distribution.*—Arabian Sea, Maldive area, Andaman Sea, Philippines.