

# CHECK LIST FRESH WATER FISHES OF INDIA

A.G.K. Menon



OCCASIONAL PAPER NO. 175

**RECORDS OF THE  
ZOOLOGICAL SURVEY OF INDIA**

**Check list—Fresh water fishes of India**

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*Edited by the Director, Zoological Survey of India, Calcutta*



सत्यमेव जयते

**Zoological Survey of India  
Calcutta  
1999**

## CITATION

Menon, A. G. K. 1999. *Check list — Fresh water fishes of India. Rec. zool. Surv. India, Occ. Paper No. 175* : i-xxix, 1-366 pp. (Published - Director, ZSI)

Published : September, 1999

ISBN : 81-85874-15-8

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### PRICE

Indian Rs. 500/-  
Foreign \$ 30.00 £ 20.00

Published at the Publication Division, by the Director, Zoological Survey of India, 234/4 A. J. C. Bose Road, 2nd MSO Building, Nizam Palace (13th floor), Calcutta 700 020 after laser typesetting by Press Tech, Calcutta and printed at Hooghly Printing Co. Ltd. (A govt. of India Enterprises), Calcutta 700 071.

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## AUTHOR'S PREFACE

A knowledge of the kind of fishes that comprise the ichthyofauna of India and their limits of distribution is indispensable for any programme designed for their conservation. Therefore a check-list of the primary freshwater fishes of India has been prepared as a fundamental item of a project on Conservation of freshwater fishes of India sanctioned to me (Grant No.14/24/87-MAB, RE dated 12.8.88) by the Department of Environment, Ministry of Environment, Forests and Wildlife, Government of India.

Given the present state of our knowledge about the freshwater fish fauna of India, in spite of the extensive literature available on the subject, there still remain certain gaps. Some species have not been collected since the time of Hamilton, McClelland and Sykes (early 19th century) and some species still remain buried in the synonymy due to constant misidentification since the time of Day. Early field workers like Hamilton, McClelland, Jerdon and Sykes undoubtedly observed many more species than are observed today in areas which have experienced extensive human modification. Further, rare species with restricted distribution seldom turned up in small collections. Subsequent collections having low species representation almost invariably caused authors to synonymise species which had similar descriptions. Finding rare species requires a thorough effort aimed at completely sampling each and every micro-habitat. Given the size of the area covered, there is little doubt that several species await discovery and that future studies of Indian fish systematics can be expected to yield interesting and possibly dramatic results.

Another factor which has caused confusion in the taxonomy of several species of the peninsula is the poorly-researched regional distribution lists of the fishes of the Western Ghats which form the drainage divide between the west and east-flowing rivers of the region. Generally, most authors have made no distinction as to which species occur on either side of the divide making it difficult to determine the correct identity of the fishes of the Western Ghats from a study of the literature alone.

The extreme pressure from human populations on forests and the consequent changes in the water quality of rivers have adversely affected the fluviatile fish fauna. This is especially true in the case of the endemic large cyprinids of the peninsula, many of which have become rare and critically endangered. The generic name *Hypselobarbus* was recently resurrected and applied to some members of this group of fishes. Specimens of a dozen species of this genus are rare and only one or few individuals of these species have been collected in the course of the past century. This paucity of specimens makes it difficult to ascertain the specific differences existing amongst them. Extensive field surveys to procure more specimens, especially in the western drainages of the peninsular India, are needed.

The generic relationships of the several cyprinid genera (many of them endemic), of the Indian peninsula are still not clearly understood.

The present check-list is based on personal survey of the peninsular rivers, especially the west flowing drainages of the Western Ghats. I have taken into consideration all the available knowledge of the taxonomy and distribution of freshwater fishes of India in bringing out the present list of valid species, numbering 446 primary freshwater fishes occurring within the political boundaries of continental India. For each species, the original reference followed by references to papers dealing especially with actual specimens obtained from the region are given. Complete synonymies of all the species with the exact limits of distribution, habitat, the maximum size attained and the status of the threatened species according to the IUCN (1988) categories are also given.

Chennai  
September 15, 1999

**Dr. A. G. K. Menon**  
Zoological Survey of India

## ACKNOWLEDGEMENTS

The assistance and co-operation of many individuals have made this check list a reality. In particular, thanks are due to Sri. T. K. Sen, Head of Division of fishes, Zoological Survey of India, Calcutta, Dr. K. Rema Devi, Scientist "D" of the Southern Regional Station of the ZSI, Madras, and the members of the project on "Conservation of Freshwater fishes", Dr. K. B. Jagadeesh, Messers J. C. Dhas, R. Kannan and K. Prabhakaran.

To Dr. Gordon J. Howes of the British Museum (Natural history), London, and R. Rohan Pethiyagoda of Wildlife Heritage Trust, Sri Lanka, I am specially thankful for going through the manuscript and offering me very constructive suggestions for the improvement of it.

This work is a part of a project on "**Conservation of Freshwater fishes of Peninsular India**" funded by the Department of Environment, Ministry of Environment, Forests and Wildlife, Government of India. Laboratory facilities were provided by the Director, Zoological Survey of India and the Officer-in-Charge of the Southern Regional Station, Madras. My grateful thanks are due to them as well.

## **DEDICATION**

The work is dedicated to the memory of my beloved teacher late Dr. S. L. Hora (1896-1955). The Scientific Contributions of Dr. Hora in the field of ichthyology are immeasurable. He wrote 438 papers, many of them monographic in nature and revised several siluroid and cyprinid genera of fishes. By word and deed, he served as a great inspiration to ichthyologists and zoogeographers for over thirty years.

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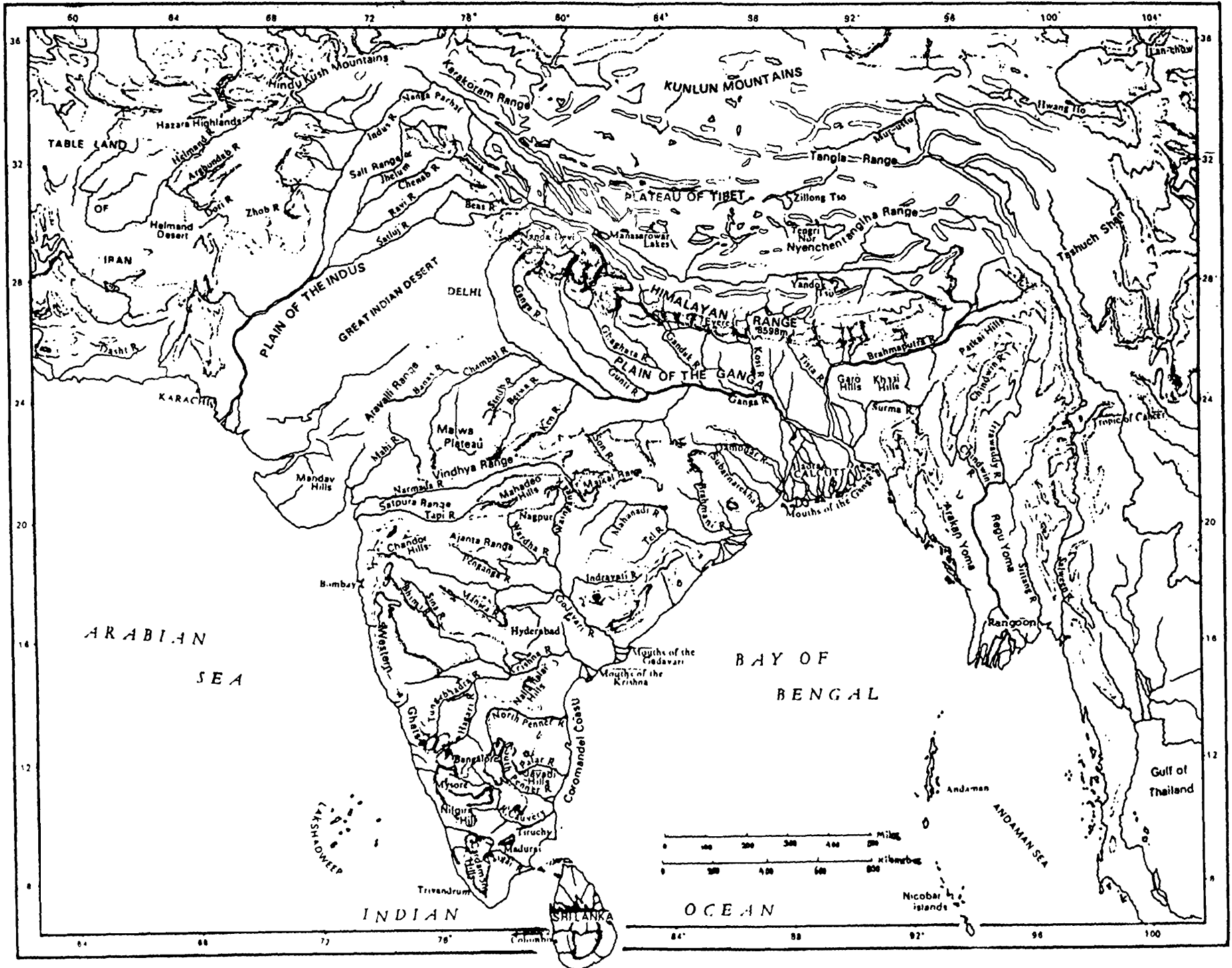
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# PHYSICAL MAP OF INDIA



## INTRODUCTION

A perusal through the literature on ichthyology of India shows that though Bloch (1785-95), Lacepede (1798-1803), Bloch and Schneider (1801), Cuvier and Valenciennes (1828-1849) have made certain references to freshwater fishes, their main emphasis being the marine forms, none of them can be considered as a comprehensive worker on freshwater fishes of India. The earliest major work of Indian freshwater fishes is that of Dr. Francis Buchanan (subsequently Hamilton).

Hamilton, an Assistant Surgeon in the East India Company posted to Bengal Establishment in 1794, started his studies on Fishes of the Ganges in 1799. In 1806 he was directed to make a comprehensive statistical survey of the territories comprising the Presidency of Bengal and the adjacent districts. This occupied him seven years and during this period he prepared the vast amount of information including fishes in twenty eight thick folio volumes of manuscripts. In 1815, he returned to Europe, but he was not allowed to carry a large number of his drawings with him, and subsequently he was refused access to his original manuscripts when he wanted to publish the *Fishes of Ganges* which he did in 1822 in one volume quarto. It contains descriptions of 271 species of freshwater and estuarine fishes and one species mentioned only by name (p.316) and is illustrated by 198 figures (5 drawings of parts, 93 outline sketches of dorsal view of fish and 100 lateral views) in 39 plates in Royal quarto\*.

Invaluable as this work is for all time, its value would have been still further enhanced had not Hamilton been deprived of a large number of his drawings and several volumes of his manuscript notes. In the absence of this material, Hamilton's published descriptions of several species in the *Gangetic Fishes* are defective and difficult to identify the species that have not been illustrated. However Day (1873) and Hora (1929) studied his manuscript drawing kept in the Asiatic Society of Bengal and commented on them and clarified the identity of all the 272 species described or mentioned in the *Fishes of Ganges*.

After Hamilton the next outstanding work of Indian freshwater fishes is that of McClelland (1839). He published a memoir on "**Indian Cyprinidae**" in the second part of the 19th. volume of the *Asiatic Researches* with descriptions of 138 species and illustrated by 25 plates having 103 full figures, 39 of which are copies from Hamilton's manuscript drawings.

In 1842 McClelland published another paper of great importance in the *Calcutta Journal of Natural History* on the freshwater fishes of India based on the collections of Dr. William Griffith during his travels from 1835-1849. Most of Griffith's collections were subsequently sent to the British Museum.

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\* Day (*Fish India*, p.iii, 1876) states that Buchanan's *Gangetic Fishes.*, contains descriptions of 269 species and illustrations of 97 species. This is not correct. In fact descriptions of 271 (one species just mentioned) and delineations of 97 species were published.

Sykes (1841) described 46 species of fishes from the Deccan illustrated with 28 figures in the *Transactions of the Zoological Society of London*.

In 1853, Bleeker, one of the contemporaries of Day, in his *Ichthyologische fauna van Bengalen* described 162 species with a list of all the fishes previously described from India.

In 1858-1860 Blyth published several articles on the Indian fishes, mostly on marine forms, in the *Journal of the Asiatic Society of Bengal* and sent to the British Museum a number of specimens of his personal collections.

Besides Hamilton, McClelland and Bleeker, the other important contributions to Indian freshwater fishes during the early part of the 19th. century are those of Jerdon (1849) who published his *Fishes of Southern India* in two parts, the first part containing descriptions of 22 species, 3 of which were considered new and the second part with descriptions and references to 150 species, 50 of which were believed to be new. In 1851, he published another paper entitled *Ichthyological Gleanings in Madras* containing references to 391 species mostly of marine forms obtained during his two year period of stay in Madras. A considerable number of them were at that time unknown to science, but he refrained from naming them which has been subsequently described by later workers. He also presented a number of specimens to the British Museums.

In the second half of the 19th. century, 1859 - 1870, Gunther compiled a *Catalogue of the Fishes in the Collections of the British museum* in 8 volumes. This work contains 6843 well established and 1682 doubtful species which includes several Indian freshwater fishes. Another important work of the second half of the 19th century is Beaven's (1877) *Hand book of the freshwater fishes of India* containing descriptions of 397 species of freshwater fishes.

The most prominent ichthyologist of the latter half of the 19th. century was Francis Day (1828-1889). In his time honoured work, *The Fishes of India, being a natural history of the seas and freshwaters of India, Burma and Ceylon* he described 1340 species of freshwater and marine fishes of India and adjacent countries such as Burma and Ceylon. Descriptions of several marine species have been included to it since publishing *Fishes of India* which are included in a supplement to the work published in 1888. His two volumes on fishes in the *Fauna of British India* series are only abridgement of his book *The Fishes of India*.

Day's work remains even to-day the most widely used reference work of Indian Ichthyology though the names included in this work are out of date. Of the 1340 species described by Day in his *Fishes of India* leaving aside the marine forms there are 365 species of primary freshwater fishes. The present check list deals with 446 species of primary\* freshwater fishes occurring within the political boundaries of the Indian subcontinent.

## FORMAT

Following the family and genera, for each species the original reference followed by references to papers dealing specially with actual specimen obtained from the region are given. All the most important references, such as revisions, for each species and those synonyms about which there is no doubt are given.

The synonymy is followed by distribution the habit and at the maximum size attained by the species are given : Then the threatened status is given

**Status:** Freshwater fish face a number of environmental threats today. So far no list of the threatened freshwater species of India has been compiled. The threatened status of the species, Endangered, Vulnerable or Rare, is indicated under this section. The categories followed as per IUCN definitions are given below

**Extinct** : Species not located in the wild for the last 50 years.

**Endangered** : Actively threatened with extinction. Continued survival unlikely without the implementation of special protective measures.

**Vulnerable** : Species whose populations are decreasing but not reached critical level. Adverse factors such as proposed dam, industrial pollution, deforestation with water level fluctuating, higher temperature, increase in the deposition of fine sediments, over exploitation, indiscriminate killing are considered as major causes of vulnerability.

**Rare** : Not under immediate threat of extinction, but occurring in such small numbers or in such a restricted habitat, such as a single stream or river, that it could quickly become extinct. Requires careful watching.

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Bleeker, P. 1853. *Nalerjingen op de ichthyologische founa van Bengalen en Hinduston. Ver.Batav. Genootsch; 25 : 1-164.*

Bloch, M.E. 1785-1795. *Naturgeschichte der auslandischer fische*. Berlin, 8 parts, (Part 1 pp. VII + 136, pls. 36 (109-144), 1785; Part 2 pp. VIII + 160, pls. 36 (145-180), 1786; Part 3 pp. 1-146, pls. 36 (181-216), 1787; Part 4 pp. XIII + 128, pls. 36 (217-252), 1790; Part 5 pp. VI + 152, pls. 36 (253-388), 1791; Part 6 pp. IV + 126, pls. 36 (289-323), 1792; Part 7 pp. XII + 194, pls. 36 (361-396), 1793; Part 8 pp. II + 192, pls. 36 (367-432), 1795.

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\* Primary freshwater fishes are those which have evolved in freshwater and are unable to tolerate brackish water conditions.

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- Cuvier, G. and Valenciennes, A. 1828-1849. *Hist. Nat. Poiss*; 22 vols. Paris, 11030 pp., 621 pls. (Nos. 1-650). (1 : VI + 573 pp., pls. 1-8, 1828 (Author Cuvier); 2 : XXI + 490 pp., pls. 9-40, 1828 (Cuvier 1-238, 249-262, 387-490; Valenciennes 238-249, 262-386); 3 : XXIII + 500 pp., pls. 41-71, 1829 (Cuvier); 4 : XXVI + 518 pp., pls. 72-99, 1829 (Cuvier); 5 : XXVII + 499 pp., pls. 100-140, 1830 (Cuvier); 6 : XXIV + 559 pp., pls. 141-169, 1830 (Valenciennes 1-425, 493-559; Cuvier 426-491); 7 : XXIX + 531 pp., pls. 170-208, 1831 (Cuvier 1-440, Valenciennes 441-531); 8 : XIX + 509 pp., pls. 209-245, 1832 (Cuvier 1-470, Valenciennes 471-509); 9 : XXIX + 512 pp., pls. 246-279, 1833 (Cuvier 1-198, 330-356, 372-427; Valenciennes, 199-329, 359-371, 429-512); 10 : XXIV + 482 pp., pls. 280-306, 1835 (Valenciennes); 11 : XX + 506 pp., pls. 307-343, 1836 (Valenciennes); 12 : XXIX + 507 pp., pls. 344-368, 1837 (Valenciennes); 13 : XIX + 505 pp., pls. 369-388, 1839 (Valenciennes); 14 : XXII + 464 pp., pls. 389-420, 1840 (Valenciennes); 15 : XXI + 540 pp., pls. 421-455, 1840 (Valenciennes); 16 : XX + 472 pp., pls. 456-487, 1842 (Valenciennes); 17 : XXIII + 497 pp., pls. 487-519, 1844 (Valenciennes); 18 : XIX + 505 pp., pls. 520-553, 1846 (Valenciennes); 19 : XIX + 544 pp., pls. 544-590, 1847 (Valenciennes); 20 : XXVIII + 472 pp., pls. 591-606, 1847 (Valenciennes); 21 : XIV + 536 pp., pls. 607-633, 1848 (Valenciennes); 22 : XX + 532 pp., pls. 634-650, 1849 (Valenciennes).
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- Sykes, W.H. 1841. On the fishes of Dukhun. *Trans. Zool. Soc. Lond*; (1841) **2** : 349-378, pls. 40-48.

## BIODIVERSITY OF FRESHWATER FISH FAUNA OF INDIA\*

Order I : ANGUILLIFORMES

Family 1 : ANGUILLIDAE

Genus 1 : *Anguilla* Schrank

*Anguilla* Schrank, *Fauna Bioca*, **1** : 76, 1798 (Type, *Muraena anguilla* Linnaeus)

### 1. *Anguilla bengalensis* (Gray)

*Muraena bengalensis* Gray, *Ill. Ind. Zool*; pl. 95, fig. 5, 1831 (Type-locality : The Ganges).

*Anguilla mauritiana* Bennett, *Proc. Zool. Soc. Lond.*, p. 113, 1831. Gunther, *Cat. Fish. Brit. Mus.*, **8** : 25, 1870.

*Anguilla elphinstonei* Sykes, *Trans. Zool. Soc. Lond.*, **2** : 377, pl. 67, fig. 3, 1841. Jerdon, *Madras. J. Lit. Sci.*, **15** : 346, 1849.

*Anguilla brevirostris* McClelland, *Calcutta J. Nat. Hist.*, **5** : 177, pl. 5, fig. 1 and 2, 1844.

*Anguilla variegata* McClelland, *Calcutta J. Nat. Hist.*, **5** : 179, pl. 9, fig. 7, 1844.

*Anguilla nebulosa* McClelland, *Calcutta J. Nat. Hist.*, **5** : 179, pl. 5, fig. 2, 1844. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 46, 1991 (Rivers and Lakes of Sri Lanka).

*Anguilla arracana* McClelland, *Calcutta J. Nat. Hist.*, **5** : 178, pl. 6, fig. 2, 1844.

*Anguilla marmorata* Kaup, *Cat. Apodal Fish. Brit. Mus.*, p. 43, fig. 32, 1856.

\* For the purpose of the Biodiversity only primary freshwater fishes are taken into consideration and the Exotic species are omitted. The general classification adopted is that of Greenwood *et al.*, *Bull. Amer. Mus. Nat. Hist.*, **131** : 341-455, 1966.

*Anguilla bengalensis* Day, *Fish. India*, p.659, pl. 168, fig. 1, 1878 (Islands of Indian ocean, India, Burma, introduced into Nilgiri hills). Day, *Faun, Brit, Ind. fish.*, 1 : 68, fig. 35, 1889 (India, Burma). Hora, *Rec. Indian Mus.*, 44(2):197, 1942 (Mysore, Nilgiris, Wynaad, and Coorg). Chacko, *J. Bombay nat. Hist. Soc.*, 191, 1948 (Periyar lake). Job, David and Das, *Indian J. Fish.*, 2(1) : 36, 1955 (Hirakud Dam, Mahanadi). Rajan, *J. Bombay nat. Hist. Soc.* 53 (1) : 46, 1955 (Bhavani R). David, *Proc. Nat. Acad. Sci.*, 33 B(2): 283, 1963 (Krishna and Godavari). Rema Devi and Indra, *Rec. Zool. Surv. India.*, 84 (1-4) : 244-245, 1986 (Silent Valley).

*Anguilla anguilla* (nec Linn.) Kulkarni and Ranadae, *Maharashtra State Gazett. Faun.* p. 53, 1974 (Maharashtra).

*Anguilla bengalensis bengalensis*, Jayaram, *HBFW Fish. India*, p. 27, 1981 (India, Pakistan, Bangladesh, Ceylon, Burma, Malaya). Talwar and Jhingran, *Inland Fish.*, 1 : 74, 1991 (Pakistan, India, Sri Lanka, Burma, and East Indies).

*Distribution* : India, Pakistan, Sri Lanka, Burma.

*Habitat* : Freshwater streams, pools and reservoirs, common in mud substrates of tanks and in deep rock pools of rivers descending to estuaries and to sea to spawn. Rarely occurs in mountain streams and pools.

*Size* : 120 cm.

## 2. *Anguilla bicolor* Mc Clelland

*Anguilla bicolor* McClelland, *Calcutta J. nat. Hist.*, 5 (8) : 178, pl. 6, fig. 1, 1845 (Type locality : Sandoway, Burma), Jerdon, *Madras J. Lit. Sci.*, 15 : 346, 1849, Gunther, *Cat. Fish. Brit. Mus.*, 8 : 35, 1870 (East Indian Continent, Ceylon, Java). Day, *Fish India*, p. 660, pl. 167, fig. 3, & pl. 168, fig. 2, 1878 (Coast of India, Andaman & Malay). Day, *Fauna. Brit. Ind. Fish.*, 1 : 87, 1889. Chacko, *J. Bombay nat. Hist. Soc.*, 48 (1):191, 1948 (Periyar lake). Pethiyagoda, *Freshwater Fish, Sri Lanka* p. 44, 1991.

*Anguilla moa* Bleeker, *Verh. Bat. Gen.* 25 : 22, 1853. Kner, *Novara Fische*, p. 369, 1865.

*Anguilla mowa* Bleeker, *Verh. Bat Gen.*, 25 : 16, 1853, Kaup. *Apod* : 51, fig. 44, 1856.

*Anguilla malgumora* Kaup, *Cat. Apodal Fish. Brit. Mus.*, 42, fig. 30, 1856. Kner, *Novara Fische*, p. 1367, 1865.

*Muraena moa*, Bleeker, *Atl. Ichthyol, Muraen*, 2: tab.4, fig. 1, 1862.

*Anguilla australis* (nec Richardson) Jones and Sujansighani, *Indian J. Fish.*, 2:270, 1954 (Chilka Lake).

*Anguilla bicolor bicolor*, Jayaram, *HBFW Fish. India*, p 27, 1981. (Coast of India, Bangladesh, Malay Archipelago). Jayaram *et al.*, *Rec. zool. Surv. India Occ. Pap. No. 36* : 32, 1982 (River Coleroon at Thirumullai vasal). Talwar and Jhingran, *Inland Fish.* 1 : 75, 1991 (East Africa to Pakistan, India and Sri Lanka).

**Distribution** : India, and Sri Lanka and most countries bordering the Bay of Bengal.

**Habitat** : Freshwater streams and pools, preferring marshy habitats, in coastal areas descending to sea to spawn.

**Size** : 100 cm. in length.

Order II : CLUPEIFORMES

Family 2 : CLUPEIDAE

Genus 2 : *Gudusia* Fowler

*Gudusia* Fowler, *Proc. Acad. nat. Sci. Philad.*, 53:207, 1911 (Type, *Clupanodon chapra* Hamilton).

### 3. *Gudusia chapra* (Hamilton)

*Clupanodon chapra* Hamilton, *Fish Ganges*, pp. 248, 83, 1822 (Type-locality : Upper parts of Ganges).

*Alausa microlepis* Valenciennes (in C & V) *Hist. Nat. Poiss.*, 20:439, 1847.

*Clupea indica* Gray, *Ill. Ind. Zool.*, 2: pl. 9, figs. 1 & 2 (from Hamilton Ms. drawings), 1834. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 20:324, 1847. Gunther, *Cat. Fish. Brit. Mus.*, 7:444, 1868 (Bengal and Assam).

*Clupea chapra*, Gunther, *Cat. Fish. Brit. Mus.*, 7:447, 1868 (Freshwaters of rivers and tanks in Sind and throughout India as far south as Krishna River, absent from the Malabar coast and Madras).

*Clupea suhia* Chaudhuri, *Rec. Indian Mus.*, 7:437, 1912 (Gandak river Saran, Bihar).

*Gudusia chapra*, Regan, *Ann. Mag. nat. Hist.*, (8) 19:307, 1917. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3:12, 1937. Hora, *Rec. Indian Mus.*, 40(2):171, 1938 (Rajmahal hills). Job, David and Motwani, *J. Asiat Soc. Beng.*, 18(2):166, 1952 (Damodar lower valley). Job, David and Das, *Indian J. Fish.*, 2(1):31, 1955 (Hirakud Dam, Orissa). Misra, *Rec. Indian Mus.*, 57 : 119, 1959 (Assam, W.Bengal, Upper parts of Ganges, Calcutta, Pulita, Orissa, Bombay upto Krishna, Sind, E.Pakistan, Bangladesh). Menon, *J. Zool. Soc. India*, 14(1), 25, 1962 (Brahmaputra drainage, Bagmati, Gantak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus drainages). David, *Proc. nat. Acad. Sci.*, 33B(2);

276, 1963 (Krishna, Godavary). Shrivastava, *Fish. East. U.P.*, 4, fig. 3., 1968 (Eastern parts of U.P.). Datta and Motwani, *Rec. Zool. Surv. India*, 62 (1 & 2):75, 1970 (Jhalawar Town, Jhalawar Dist. Rajasthan). Menon, *Inland Fish. Soc. India, Spl. Publ.*, No. 1:6, 1974 (Northern India, Sind, Bangladesh, Malay and Philippines). Yazdani, *Newsl. Zool. Surv. India* 2(2):54, 1976 (Kaziranga Wildlife Sanctuary). Jayaram, *HBFW Fish. India*, p. 40, 1981 (India, Pakistan, Nepal, Bangladesh, Burma, Malaya). Shrestha, *Fish. Nepal*, p.6, 1981. Sen, *Rec. Zool. Surv. India Occ. Pap.*, No. 64:15, 1985 (throughout India except Malabar coast and Madras). Talwar and Jhingran, *Inland Fish.*, 1:96, fig. 33, 1991 (India and Bangladesh affluent to the Bay of Bengal).

*Gudusia variegata* (nec Day) Motwani *et al.*, *Trop. Ecol.*, 3(1-2):22, 1962. Sen. *Rec. Zool. Surv. India Occ. pap.*, 64:16, fig.4, 1985.

*Gudusia godanahiai* Srivastava, *Fish. East. U.P.*, p. 6, fig. 4a,b, 1968 (Gorakhpur). Whitehead, *FAO Fish. Synop.*, (125) 7(1): 228, 1985.

**Distribution** : India : Ganges, Brahmaputra, Mahanadi, Godavary and Krishna river systems. Pakistan : North-west Frontier province, Punjab, Sind. Baluchistan. Bangladesh.

**Habitat** : Freshwater rivers and tanks.

**Size** : 15 cm. SL.

Superorder : OSTEOGLOSSOMORPHA

Order III : OSTEOGLOSSIFORMES

Family 3 : NOTOPTERIDAE

Genus 3 : *Chitala* Hamilton

*Chitala* Hamilton, *Fish. Ganges*, p. 236, 1822, (Type, *Mystus chitala* Hamilton). Roberts, *Ichth. Explor. Freshwaters*, 2(4) : 361-383, 1991.

#### 4. *Chitala chitala* (Hamilton)

*Mystus chitala* Hamilton, *Fish. Ganges*, pp. 236, 382, 1822 (Type-locality : larger freshwater rivers of Bengal). Gray, *Ill. Ind. Zool.*, 1: pl. 91, fig. 1, 1930-'32 (Illustration only).

*Notopterus chitala*, Day, *Fish. India*, p. 654, pl. 159, fig. 5, 1878 (freshwaters of Sind, lower Bengal, Orissa, Assam. Siam to Malay excluded). Day, *Faun. Brit. Ind. Fish.*, 1:407, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3:15, fig. 7, 1937 (Terai and Duars). Job, David and Motwani, *J. Asiat. Soc., Beng.*, 18(2):166, 1952 (Damodar valley). Job, David and Das, *Indian J. Fish.*, 2(1): 31, 1955 (Hirakud dam, Orissa). Motwani and David, *J. Zool. Soc. India*, 9(1):11, 1957

(R. Sone). Menon, *J. Zool. Soc. India*, **14**(1) : 25, 1962 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus drainages). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1:7, 1974 (Northern India, Bangladesh, Burma, Thailand, Malaya. Indonesia excluded). Jayaram, *HBFW Fish. India*, p. 53, 1981 (Northern India, Pakistan, Bangladesh, Burma). Sen, *Rec. Zool. Surv. India. Occ. Pap.*, No. 64:19, 1985 (Northern India). Talwar and Jhingran, *Inland Fish.*, **1**:63, fig. 24, 1991 (Pakistan, Bangladesh, Burma).

*Chitala chitala*, Roberts, *Ichth. Explor. Freshwater*, **2**(4) : 361, 1991.

*Distribution* : Northern India. Pakistan. Bangladesh, Burma.

*Habitat* : Freshwater rivers, lakes, beels and nullahs in the plains.

*Size* : 122 cm TL., market specimens 26 cm.

*Status* : Vulnerable.

#### Genus 4 : *Notopterus* Lacepede

*Notopterus* Lacepede, *Hist. Nat. Poiss.*, **2** : 183, 1800 (Type, *Gymnotus notopterus* Pallas).

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

*Gymnotus notopterus* Pallas, *Specil. Zool.*, Petersburg, **7**:40, pl. 6, fig. 2, 1769 (Type-locality: ponds and rivers of Bengal).

*Notopterus kaporat* Lacepede, *Hist. Nat. Poiss.*, **2**:190, 1800. Gunther, *Cat. Fish. Brit. Mus.*, **7**:480, 1868 (East Indies). Day, *Fish. India*, p. 653, pl. 159, fig. 4, 1878 (Fresh and brackish waters of India to the Malay Archipelago). Day, *Faun. Brit. India Fish.*, **1**:406, fig. 129, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3**:16, fig. 8, 1937 (North Bengal).

*Mystus kaporat*, Hamilton, *Fish. Ganges*, pp. 235, 385, 1822 (Ponds and rivers of Bengal).

*Notopterus osmani* Rahimullah and Das, *Bull. Soc. Port. Nat.*, **12**(18) : 136, pl. 23, 1936 (Type-locality, Rivers of Hyderabad, Deccan).

*Notopterus notopterus*, Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40**:21, 1938 (Deolali, Maharashtra). Bhimachar and Rao, *J. Mys. Univ.*, **1**:147, 1941 (Ayyanakere Tank near Sakrepatna, Mysore). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43**(2):219, 1942 (Poona, Maharashtra). Fraser, *J. Bombay nat. Hist. Soc.*, **43**(1):82 (Mutha - Mula river, Poona). Chacko, *J. Bombay nat. Hist. Soc.*, **48**(1):191, 1948 (Periyar lake). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2):166, 1952 (Barakar, Konar, Damodar rivers). Job, David and Das, *Indian*

*J. Fish.*, 2(1) : 31, 1955 (Hirakud Dam, Orissa). Motwani and David, *J. Zool. Soc. India*, 9(1):10, 1957 (River Sone). Misra, *Rec. India Mus.*, 57:136, 1959 (Ponds, and fresh and brackish waters of Punjab, U.P., W.Bengal, Assam, Chilka lake, Orissa, Madras, Deolali, Poona, Malabar). Datta and Majumdar, *Rec. Zool. Surv. India*, 62(1 and 2):75, 1970. Menon, *Inland Fish. Soc. India, Spl. Publ.*, No. 1:7, 1974 (India, Pakistan, Bangladesh, Burma, Thailand, Malaya, Indonesia). Rao, *Matsya*, 2:56, 1976 (Godavary Estuary). Jayaram, *HBFW Fish, India*, p.53, 1981 (India, Pakistan, Nepal, Bangladesh, Burma, Thailand, Malaya and Indonesia). Shrestha, *Fish. Nepal*, p. 12, 1981 (Bhiranagar, Lohandra and Buddhi river, Nepal). Sen, *Rec. Zool. Surv. India Occ. Pap.*, No. 64:20, 1985 (Throughout India). Talwar and Jhingran, *Inland Fish.*, 1:64, fig. 25, 1991 (Pakistan, India, Nepal, Bangladesh, Burma, Thailand, Malaya and Indonesia).

*Distribution* : India, Nepal, Pakistan, Bangladesh, Burma, Malaya, Thailand, Indonesia.

*Habitat* : Rivers, swamps, canals and the estuaries.

*Size* : 61 cm TL., usually much smaller upto 25 cm.

Order IV : CYPRINIFORMES  
 Suborder : CYPRINOIDEI  
 Family 4 : CYPRINIDAE \* (Psilorhynchidae)  
 Subfamily : DANIONINAE \*\*  
 Tribe : OXYGASTRINI  
 Genus 5 : *Aspidoparia* Heckel

*Aspidoparia* Heckel, *Abbild. Fenzl. Thiere Pill. Syrien's Fische*, p. 186, 1843 (Type, *Aspidoparia sardina* Heckel = *Cyprinus morar* Hamilton). Howes, *Bull. Br. Mus. nat. Hist. (Zool.)*, 36(3):191-192, 1979.

#### 6. *Aspidoparia jaya* (Hamilton)

*Cyprinus jaya* Hamilton, *Fish. Ganges*, pp. 333, 392, 1822 (Type-locality, Northern Bihar). Valenciennes, *Hist. Nat. Poiss.*, 16:439, 1842.

*Leuciscus margarodis* McClelland, *Asiat. Res.*, 19:294, 411, pl. 56, fig. 2 (from Hamilton's Ms. drawings) 1839.

*Leuciscus jaya*, Bleeker, *Verh. Bat. Gen.*, 25:68, 1853.

*Aspidoparia jaya*, Gunther, *Cat. Fish. Brit. Mus.*, 7:296, 1869 (Northern Bihar). Day, *Fish. India*, p. 585, pl. 145, fig. 9, 1878. Day, *Fauna Brit. Ind. Fish.*, 1:339, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3:32, fig. 28, 1937 (Malangi river, Central Duars, N. Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.*, (3)6

: 79, 1940 (Kalimpong Duars and Siliguri Terai). Menon, *Rec. Indian Mus.*, 47:232, 1949 (Chhatra, E. Nepal). De Witt, *Stanford Ichth. Bull.*, 7(4):71, 1960 (Nepal). Menon, *J. Zool. Soc. India*, 14(1) : 26, 1963 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali and Kali drainages). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1:22, 1974 (Gangetic province, Assam, Nepal, Bangladesh). Motwani and Saigal, *Inland J. Fish.*, 21(1): 109, 1974 (Sarda reservoir, Pilibhit). Jayaram, *HBFW Fish. India*, p. 85, 1981. Lipton, *Matsya*, 9-10:113, 1983-84 (Rivers of Tripura). Sen, *Rec. Zool. Surv. India Occ. Pap. No. 64* : 49, 1985 (Assam, Gangetic provinces, West Bengal, Nepal, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 1:339, 1991 (Gangetic provinces, Assam, Nepal & Bangladesh).

*Distribution* : India : Gangetic provinces, Assam. Nepal. Bangladesh.

*Habitat* : Streams and ponds in the plains and mountainous regions.

*Size* : 15.0 cm TL.

### 7. *Aspidoparia morar* (Hamilton)

*Cyprinus morar* Hamilton, *Fish. Ganges*, pp. 264, 384, pl. 31, fig. 75, 1822 (Type-locality, Yamuna and Tista river, two large but distinct branches of the Ganges). Gray, *Ill. Ind. Zool.*, 2, pl. 95, fig. 1 (from Hamilton Ms. drawings) 1834.

*Leuciscus morar*, Hora, *Mem. Indian Mus.*, 9(4) 188, 1929. McClelland, *Asiat. Res.*, pp. 394, 410, 1839. Bleeker, *Verh. Bat. Gen.*, 25:68, 136, 1853.

*Aspidoparia sardina* Heckel, *Russeger's Reisen*, (2)3 : 288, 1843.

*Morara morar*, Bleeker, *Ichth. Arch. Ind. Prodr.*, 2 : 115, 1860.

*Aspidoparia morar*, Gunther, *Cat. Fish Brit. Mus.*, 7 : 285, 1868 (Yamuna, Tista, Brahmaputra). Day, *Fish. India*, p. 585, pl. 146, fig. 4, 1878 (Sind, Punjab, India, (except West coast and South of Kistna), also Assam and Burma). Day, *Faun. Brit. Ind. Fish.*, 1 : 338, fig. 108, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 33, fig. 29, N. Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.*, 3(6):79, 1940 (Kalimpong Duars and Siliguri Terai). De Witt, *Stanford Ichth. Bull.*, 7(4) 71, 1960 (Nepal). Srivastava, *Fish. East U.P.*, 25, fig. 13, 1968 (Gorakhpur). Datta and Majumdar, *Rec. zool. Surv. India*,

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\* Chen (*Acta Hydrobiologica Sinica*), Vol. 7, No. 3 : 371-376, 1981) has shown that the *Psilorhynchus* and Garrini groups of Cyprinidae possess many synapomorphies in common and they form a monophyletic group derived from a common primitive Cyprinid ancestor.

\*\* The higher taxonomic categories of Cyprinidae adopted here are after Rainboth (*Cyprinid fishes : Systematics, biology and exploitation*, pp. 156-210, 1990).

62:85, pl. 4, fig. 11, 1970 (Gambhir river Sawai, Madhopur Dist., Rajasthan). Tilak, *Rec. zool. Surv. India.*, 65(1-4): 186, 196, 210, 1977 (River Tawi, J and K). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1:22 (N. India, Nepal, Pakistan, and Bangladesh). Venkateswarlu, *Acta, Ichthyol. Piscat.*, 7(1): 46, 1977 (River Poonpun, Bihar). Shrestha, *Fish. Nepal*, pp. 25, 48, 1981. Johal and Tandon, *Res. Bull. Punjab univ.*, 32 : 148, 1981 (Punjab). Sharma and Kulshrestha, *J. zool. Soc. India.*, 33(1-2) : 64, 1982 (Kota Dist., Rajasthan). Sen, *Rec. zool. Surv. India Occ. Pap.* No. 64:49, 1985 (throughout Northern India). Talwar and Jhingran, *Inland Fish.*, 1: 340, fig. 119, 981 (Iran, Pakistan, North India, Nepal, Bangladesh, Burma, Thailand).

*Distribution* : Throughout Northern India, Iran, Afghanistan, Pakistan, Nepal, Bangladesh, Burma and Thailand.

*Habitat* : Streams and ponds in the plains and mountainous regions.

*Size* : 17.5 cm TL.

#### Genus 6 : *Barilius* Hamilton

*Barilius* Hamilton, *Fish. Ganges*, p. 384, 1822, (Type, *Cyprinus barila* Hamilton). Howes, *Bull. Brit. Mus. nat. Hist. (Zool)*, 37(3): 189, 1980 (Synopsis).

#### 8. *Barilius bakeri* Day

*Barilius bakeri* Day, *Proc. Zool. Soc. Lond.*, p. 305, 1865 (Type-locality : Mundakayam, Kerala). Day, *Fish. Malabar*, p. 218, pl. 18, 1865. Day, *Fish. India*, p. 591, pl. 151, fig. 2, 1878 (Hill ranges of Travancore). Day, *Faun. Brit. India Fish.*, 1 : 348, 1889. Chacko, *J. Bombay nat. Hist. Soc.*, 48(1) : 191, 1948 (Periyar lake). Silas, *J. Bombay nat. Hist. Soc.*, 50 : 326, 1951 (Large streams at Mundakayam-Manimala river; Vandiperiyar river near Peermedu; Upper Pampayar stream, Peermedu). Silas, *J. Bombay nat. Hist. Soc.*, 49: 675, 1951 (Nellayampathi hills). Jayaram *HBFW Fish. India*, p. 88, 1981 (Kerala high ranges).

*Pterosparion bakeri*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 284, 1868 (Hill ranges of Travancore).

*Distribution* : India: Kerala : Western Ghats.

*Habitat* : Small mountain streams.

*Size* : 15.0 cm TL.

9. *Barilius barila* (Hamilton)

*Cyprinus barila* Hamilton, *Fish. Ganges*, p. 267, 384, 1822 (Type-locality : rivers of Northern Bengal).

*Cyprinus chedrio* Hamilton, *Fish. Ganges*, p. 268, 1822. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 419, 1842.

*Opsarius anisocheilus*, McClelland, *Asiat. Res.*, 19 : 298, 422, pl. 48, fig. 8, (Hamilton's Ms. drawings), 1839.

*Leuciscus barila*, Bleeker, *Verh. Bat. Gen.*, 25:66, 1853.

*Barilius barila*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 291, 1868 (North Bengal, Kosi river). Day, *Fish. India*, p. 591, pl. 148, fig. 4; 1878, (Delhi N.W & C.P., Bengal, Orissa and Lower Assam). Day, *Faun. Brit. Ind. Fish.*, 1:348, 1889. Hora, *Rec. Indian Mus.*, 39:318, 1936. Shaw and Sheabbeare, *J. Asiat. Soc. Beng.*, 3:21, fig. 13, 1937 (R. Mahananda, N. Bengal). Menon, *Rec. Indian Mus.*, 47 : 232, 1949 (Kokha nallah, Barahakshetra, E. Nepal). Menon, *Rec. Indian Mus.*, 50: 267, 1952 (Manipur). Menon, *Rec. Indian Mus.*, 52 : 22, 1953 (Manipur). Menon, *J. Zool. Soc. India*, 14(1): 25, 1962 (Chindwin, Brahmaputra, Kosi, Rapti, Karnali, Kali). Datta and Majumdar, *Rec. Zool. Surv. India*, 62(1 and 2): 76, 1970 (Rajasthan). Jayaram, *HBFW Fish, India*, p. 88, 1981 (Northern India, Orissa, Nepal). Sen, *Rec. Zool. Surv. India Occ. Pap. No. 64*: 37, 1985 (Brahmaputra). Lipton, *Matsya*, 9-10: 112, 1983-84 (Tripura). Talwar and Jhingran, *Inland Fish.*, 1:343, fig. 12, 1991 (India: Jammu and Kashmir, Delhi, U.P. M.P., Bihar, W.Bengal, Assam, Manipur and Orissa. Nepal. Bangladesh. Burma).

*Barilius bonarensis* Chaudhuri, *Rec. Indian Mus.*, 7:440, pl. 39, figs. 4, 4a, 4b, 1912 (Type-locality : Bonar, Garhwal, U.P.)

**Distribution** : India : Jammu and Kashmir, Delhi, Rajasthan, Uttar Pradesh, Madhya Pradesh, Bihar, West Bengal, Assam, Manipur, Nagaland and Orissa. Nepal. Bangladesh. Burma.

**Habitat** : Large hill streams and shallow clear rivers along foot hills.

**Size** : 10.0 cm TL.

10. *Barilius barna* (Hamilton)

*Cyprinus barna* Hamilton, *Fish. Ganges*, pp. 268, 384, 1822 (Type-locality Yamuna and Brahmaputra). Valenciennes (in C & V) *Hist. Nat. Poiss.*, 16 : 419, 1842.

*Opsarius fasciatus* McClelland, *Asiat. Res.*, pp. 296, 417, pl. 48, fig. 9 (from Hamilton's Ms. drawings) 1839.

*Opsarius latipinnatus* McClelland, *Asiat. Res.* p. 298, pl. 48, fig. 7, 1839 (Type - locality : Upper Assam).

*Opsarius acanthopterus* McClelland, *Asiat. Res.*, p. 422, 1839 (Type-locality : Assam)

*Leuciscus acanthopterus*, Bleeker, *Verh. Bat. Gen.*, **25** : 66, 1853

*Leuciscus barna*, Bleeker, *Verh. Bat. Gen.*, **25** : 66, 1853.

*Barilius barna*, Gunther *Cat. Fish. Brit. Mus.*, **7** : 290, 1868 (Brahmaputra, Ganges, Jamuna and Kosi rivers). Beavan, *HBFW Fish. India*, p. 30, 1877 (Bengal, Assam and N. W. Burma). Day, *Fish. India*, p. 592 pl. 148, fig. 1, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 350, 1889. Hora, *Rec. Indian Mus.*, **26** : 28, 1924 (Siju cave, Garo Hills, Assam.) Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 22, fig. 14, 1937 (Terai and Duars, N. Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.* (3) **6** : 78, 1940. De Witt, *Stanford. Ichth. Bull.*, **7** (4) : 70, 1960 (Nepal). Menon, *J. zool. Soc. India*, **14** (1) : 25, 1963 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali and Kali drainages). Mahajan, *J. Bombay. nat. Hist. Soc.*, **62** (3) : 446, 1966 (Muzaffarnagar Dist., U.P.). Venkateswarlu, *Indian J. Zool.*, **13** (3) : 120, 1972 (Bihar). Motwani and Saigal, *Indian J. Fish.*, **21** (1) : 109, 1974 (Sarada reservoir, Pilibhit, U.P.). Sehgal, *J. Bombay nat. Hist. Soc.* **70** (3) : 465, 1974 (Sirmour). Badola, *Indian J. zool.*, **16** (1) : 60, 64, 1975 (Pauri-Garhwal). Jayaram and Majumdar, *Rec. zool. Surv. India*, **69** : 309, 310, 1976 (Mahanadi). Grover and Gupta, *Proc. nat. Acad. Sci.*, **47B** (4) : 210, 1977 (Banda dist., U.P.). Pillai and Yazdani, *Rec. zool. Surv. India*, **72** : 1, 4,8,1977 (Rangnabak and Someswari rivers, Garo hills, Meghalaya). Jayaram *HBFW Fish. India*, p. 88, 1981 (Ganga and Brahmaputra river system, also Mahanadi, Bangladesh, Nepal). Shrestha, *Fish. Nepal*, p. 29, fig. 10, 1982 (Nepal). Talwar and Jhingran, *Inland Fish.*, **1** : 344, 1991.

**Distribution** : India : Himachal Pradesh (Yamuna System), Uttar Pradesh, Bihar, West bengal, Assam, Meghalaya, Arunachal Pradesh, Sikkim. Nepal. Bangladesh and Burma.

**Habitat** : Clear hill streams with gravelly bed.

**Size** : 7.5 cm TL.

### 11. *Barilius bendelisis* (Hamilton)

*Cyprinus bendelisis* Hamilton, *Journey Mysore*, 3:345, pl. 32, 1807. (Type-locality : Vedawati Stream, headwaters of Kistna river near Heriuru, Mysore). Hamilton, *Fish. Ganges*, p. 270, 1822. McClelland, *Asiat. Res.*, **19** : 297, 418, 1839.

*Cyprinus cocsa* Hamilton, *Fish. Ganges*, p. 272, pl. 3, Fig. 77, 1822 (Northern rivers of Bengal and Bihar).

- Cyprinus chedra* Hamilton, *Fish. Ganges*, p. 273, 1822 (Northern rivers of Bengal). Gray *Ill. Ind. zool.*, 1. pl. 87, fig. 3 (from Hamilton's MS Drawings) 1830-32.
- Cyprinus tila* Hamilton, *Fish. Ganges*, p. 274, 1822 (Northern rivers of Bengal).
- Leuciscus cocsa*, McClelland, *Asiat. Res.*, pp. 294, 411, 1839.
- Leuciscus brachiatus* McClelland, *Asiat. Res.*, 19 : 409, pl. 42, fig. 5, 1839 (R. Brahmaputra).
- Leuciscus elgulatus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 469, 1842.
- Cyprinus apiatus* Valenciennes, *Jacq. Voy. Ind.*, pl. 15, fig. 3. Valenciennes (in C & V) *Hist. Nat. Poiss.*, 17 : 356, pl. 510, 1844.
- Leuciscus tila*, Bleeker, *Verh. Bat. Gen.*, 25 : 66, 1853.
- Leuciscus chedra*, Bleeker, *Verh. Bat. Gen.*, 25 : 68, 1853.
- Chedra cocsa*, Steindachner, *Sitz. Ak. Win. Wien.*, 26 : 52, 1867.
- Barilius cocsa*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 288, 1868 (East Indian continent).
- Barilius bendelisis* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 288, 1868 (Mysore and Ganges). Beavan, *HBFW Fish. India*, p. 90, 215, 1877 (River Ganges and Southern India). Annandale, *Rec. Indian Mus.*, 16 : 138, 1919 (Yanna at Madha Satara and Poona Dist). Hora, *Rec. Indian Mus.*, 26 : 28, 1924 (Siju caves, Garo Hills). Hora and Mukerji, *Rec. Indian Mus.*, 37 (3) : 375, 1935 (a tributary to Darna, Deolali, Nasik Dist.) Hora, *Rec. Indian Mus.*, 39 (1) : 339, 1937 (Kumaon Himalayas). Hora and Gupta, *J. Asiat. Soc. Beng.*, 6 : 78, 1941 (Kalimpong Duars and Siliguri Terai, N. Bengal). Hora, *J. Zool. Soc. India*, 1 (1) : 3, 1949 (Rihand River, Mirzapur, U.P.) Menon, *Rec. Indian Mus.*, 47 (2) : 232, 1950 (Nepal). Chauhan and Rama Krishna, *Rec. Indian Mus.*, 51 (3) : 396, 400, 1954 (Balangir Dist., Orissa). De Witt, *Stanford Ichth. Bull.*, 7 (4) : 70, 84, 1960 (Nepal). Menon, *J. zool. Soc. India*, 14 (1) : 25, 1963 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Ram Ganga, Ganges, Jamuna and Indus). Tilak, *Rec. zool. Surv. India*, 65 (1-4) : 187, fig. 11, 1971 (River Tavi and its tributaries, J. and K). Banarescu and Nalbant, *Khumbu Himal.*, 4 (2) : 233, 1972 (Nepal). Menon, *Inland Fish. Soc., India Spl. Publ.*, No. 1 : 11, 1974 (India, Pakistan, Nepal, Bangladesh. Sri Lanka excluded).
- Barilius (Pachystomus) bendelisis*, Day, *Fish. India*, p. 590, pl. 148, fig. 7, 1878 (Assam and Himalayas through continent of India as far as western ghats except coast of Malabar, Canara and Sind. Ceylon excluded). Day, *Faun. Brit. Ind. Fish.*, 1 : 344, 1889.

*Bendelisis bendelisis*, Fowler, *Proc., Acad. nat. Sci. Phil.*, **68** : 77, Fig., 3, 1924 (Gugger and Munde rivers, Sutej, Beas and Ganges rivers).

*Barilius bendelisis* Var. *Chedra*, Hora, *Rec. Indian Mus.*, **37** : 383, 1935 (Naga Hills, Assam). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 23, 1937 (clear and gravelly streams in Terai and Duars, N. Bengal). Menon, *Rec. Indian Mus.*, **52** : 22, 1954. Sehgal, Shikla and Shaw, *J. Inland Fish. Soc. India*, **3** : 68, 70 (Kangra Valley). Motwani and Sehgal, *Indian J. Fish.*, **21** (1) : 110, 1974 (Sarada reservoir, U.P.) Jayaram, *HBFW Fish. India*, p. 88, 1981 (Naga Hills, Nagaland, Bangladesh).

*Barilius barna* (*nec* Hamilton), David, *Proc. nat. Acad. Sci. India*, **33B** (2) : 277, 1963 (Goadavary river).

*Barilius* (*Barilius*) *bendelisis*, Tilak and Hussain, *zool. Jb. Syst.*, **104** : 266, 271, 1977 (H.P., Simla, Ghaffar river, Mandi, Bilaspur, Gamber river near Simla, Beas, Lower Mahasu and Sir Mous).

*Barilius bendelisis bendelisis*, Jayaram, *HBFW Fish. India*, p. 89, 1981 (India except Kerala, Pakistan, Nepal. Sri Lanka excluded). Jayaram, Venkateswarlu and Ragunathan, *Rec. zool. Surv. India Occ. Pap. No.* 36 : 45, 1982 (Cauvery System, Karnataka and Tamil Nadu).

*Barilius howesii* Barman, *J. Bombay nat. Hist. Soc.*, **83** (1) : 171, Fig. 1, 1986 (Salkapara, Jalpaiguri Dist., W Bengal).

*Distribution* : India : Throughout India. Pakistan. Nepal and Bangladesh.

*Habitat* : Hill streams and rivers with pebbly and rocky substratum.

*Size* : 15.5 cm TL.

## 12. *Barilius canarensis* (Jerdon)

*Opsarius canarensis* Jerdon, *Madras, J. Lit. Sci.* 15 p. 329, 1849 (Type-locality : Canara).

*Opsarius malabaricus* Jerdon, *Madras J. Lit. Sci.*, 15 p. 329, 1849.

*Barilius canarensis*, Day, *Proc. zool. Soc. Lond.*, p. 374, 1870 (Canara). Day, *Fish. India* p. 592, pl. 149, fig. 1, 1878 (Canara. Malabar on the western coast excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 350, 1889 (Canara. Malabar excluded). Jayaram *HBFW Fish. India*, p. 89, 1981 (Canara). Talwar and Jhingran, *Inland, Fish.*, **1** : 347, 1991 (Karnataka. Kerala excluded).

*Distribution* : India : Karnataka : South Canara.

*Habitat* : Clear streams with sandy and rocky bottom.

*Size* : 8.0 cm TL.

*Status* : Endangered.

### 13. *Barilius dimorphicus* Tilak and Hussain

*Barilius dimorphicus* Tilak and Hussain, *J. Bombay nat. Hist. Soc.*, **87** : 102, 1990 (Type-locality Song river with its union with Teenpaninala, Satyanarain, Eastern Doon valley, Rajaji National Park, Dehradun, U.P.).

*Distribution* : India : Uttar Pradesh : Dehradun

*Habitat* : Streams with gravelly bed.

*Size* : 18.5 cm TL.

### 14. *Barilius dogarsinghi* Hora

*Barilius dogarsinghi* Hora, *Rec. Indian Mus.*, **22** (3), 191, fig. 3, 1921 (Type-locality : Etok stream near Chanderkhong and Sikmai stream near Palel, Manipur). Menon, *Rec. Indian Mus.*, **50** : 265, 1952 (Manipur). Menon, *Rec. Indian Mus.*, **52** : 22, 1952 (Manipur). Menon, *J. zool. Soc. India*, **14** (1) : 25, 1962 (Chindwin drainage). Menon, *Inland fish Soc. India spl. Publ.*, No. 1 : 13, 1974 (Manipur). Jayaram, *HBFW Fish. India*, p. 89, 1981 (Manipur). Talwar and Jhingran, *Inland Fish.*, **1** : 348, 1991 (Manipur).

*Distribution* : India : Manipur.

*Habitat* : Hill streams with sandy and gravelly bed.

*Size* : 8.5 cm TL.

### 15. *Barilius evezardi* Day

*Barilius evezardi* Day, *J. Asiat. Soc. Beng.*, p. 322, pl. 2, 1872 (Type-locality : Poona). Beavan, *HBFW Fish. India*, p. 94, 1877 (Poona, Bombay). Day, *Fish India*, p. 593, pl. 148, fig. 6, 1878 (Poona). Day, *Faun. Brit. Ind. Fish.*, **1**, 352, 1889 (Poona). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53** (1) : 672, 1955 (Kolhapur, Maharashtra). David, *Proc. nat. Acad. Sci.*, **33B** (2) : 277, 1963 (Krishna R., Maharashtra). Jayaram, *HBFW Fish. India*, p. 89, 1981 (Poona). Talwar and Jhingran, *Inland Fish.*, **1** : 348, 1991 (Maharashtra).

*Distribution* : India : Maharashtra.

*Habitat* : Clear hill streams in the upper reaches of rivers.

*Size* : 11.0 cm TL.

### 16. *Barilius gatensis* (Valenciennes)

*Leuciscus gatensis* Valenciennes (In C & V) *Hist. Nat. Poiss.*, **17** : 309, pl. 503, 1844 (Type-locality : Peninsula of India). Bleeker, *Verh. Bat. Gen.*, **25** : 68, 1853.

*Opsarius gatensis*, Bleeker, *Próc. Cyp.*, 288, 1853.

*Barilius rugosus* Day, *Proc. zool. Soc. Lond.*, p. 294, 1867. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 291, 1868 (Nilgiris).

*Barilius gatensis*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 291, 1868 (Peninsular India). Day, *Proc. zool. Soc. Lond.*, p. 373, 1870 (Malabar and Neilgherry hills). Day, *Fish. India* p. 592, pl. 149, fig. 2, 1878 (Neilgherry hills). Day, *Faun. Brit. Ind. Fish.*, **1**, : 349, 1889 (Neilgherry). Hora and Law, *Rec. Indian Mus.* 43(2) : 243, 1941. Bhimachar and Rau, *J. Mys. Univ.*, **1** : 146, 1941 (River Tunga near Hariharapur). Hora, *Rec. Indian Mus.*, **44** (2) : 194, 1942 (Nilgiris and Wynaad). Rajan, *J. Bombay nat. Hist. Soc.*, **45** : 195 (Bhavani river). Jayaram *HBFW Fish. India*, p. 89, 1981 (Western Ghats). Talwar and Jhingran, *Inland Fish.*, **1** : 349, 1991 (Western Ghats of Karnataka, Tamil Nadu and Kerala. Maharashtra excluded).

*Barilius canarensis* (nec Jerdon), Bimachar and Rau, *J. Mys. Univ.*, **1** : 45, 1942, (Badra river). Hora, *Rec. Indian Mus.*, **44** (2) : 194, 1942 (Nilgiri, Wynaad and Coorg).

*Distribution* : Peninsular India : Western Ghats : Southern Karnataka, Tamil Nadu (Nilgiri hills) and Kerala.

*Habitat* : Clear hill streams with gravelly or rocky bed.

*Size* : 15.0 cm TL.

### 17. *Barilius modestus* Day

*Barilius (Pachystomus) modestus* Day, *J. Asiat. Soc. Beng.*, 41:4, 1872 (Type-locality : Indus river and Ravi River at Lahore, Pakistan).

*Barilius modestus*, Day, *Fish. India*, p. 589, pl. 157, fig. 3, 1878 (Sind and Lahore). Day, *Faun. Brit. Ind. Fish.* **1** : 345, 1889. Howes, *Bull. Brit. Mus. nat. Hist. (zool)*, **37**(3) : 190, 1980. Jayaram, *HBFW Fish. India*, p. 88, 1981. Talwar and Jhingran, *Inland Fish.*, **1** : 349, 1991 (Pakistan, India : Jammu, H.P., Punjab).

*Distribution* : India : Jammu, Himachal Pradesh and Punjab. Pakistan : Indus plain and adjacent hilly areas and Ravi river.

*Habitat* : Lower reaches of rivers and ponds.

*Size* : 12.5 cm TL.

18. *Barilius nelsoni* Barman

*Barilius nelsoni* Barman, *J. Bombay nat. Hist. Soc.*, **86**(2) : 213, fig. 1, 1989 (Type-locality : Gumti river, Udaypur subdivision, South Tripura Dist., North-eastern India). Barman, *Rec. Zool. Surv. India. Occ. Pap.*, **119** : 26, fig. 24, 1989.

*Barilius radiolatus* (nec Gunther), Talwar and Jhingran, (in part), *Inland Fish.*, **1** : 350, 1991.

*Distribution* : India : Tripura : Gumti river.

*Habitat* : Clear gravelly streams.

*Size* : 6.2 cm TL.

*Status* : Rare

19. *Barilius radiolatus* Gunther

*Barilius radiolatus* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 287, 1868 (Type-locality : Malwa, Central India). Beavan, *HBFW Fish. India*, p. 89, 1877 (Central India). Day, *Fish. India*, p. 590, 1878 (Central India). Day, *Faun. Brit. Ind. Fish.*, **1** : 346, 1889. Howes, *Bull. Brit. Mus. nat. Hist. (zool)*, **37**(3) : 190, 1980. Jayaram, *HBFW Fish. India*, p. 89, 1981 (M.P.). Talwar and Jhingran, *Inland, Fish.*, **1** : 350, 1991 (Madhya Pradesh. Tripura excluded).

*Distribution* : India : Madhya Pradesh : Malwa

*Habitat* : Clear gravelly streams.

*Size* : 5.5 cm TL.

*Status* : Vulnerable.

20. *Barilius shacra* (Hamilton)

*Cyprinus shacra* Hamilton, *Fish. Ganges*, p. 271, 1822 (Type-locality : R. Kosi).

*Barbus shacra* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 196, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853.

*Opsarius cirrhatus* McClelland, *Asiat. Res.*, pp. 296, 416, pl. 56, fig. 5 (from Hamilton's Ms drawings) 1839.

*Schacra cirrhatus*, Gunther, *Cat. Fish Brit. Mus.*, **7** : 294, 1868 (Bengal, Assam).

*Barilius shacra*, Day, *Fish. India*, p. 590, pl. 148, fig. 5, 1878 (Hardwar, Ganges, Assam. NW Province excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 346, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 24, pl. 2, fig. 4, text-fig. 17, 1937

(clear streams of Terai and Duars, N. Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.*, (3) 6 : 78, 1940 (Kalimpong Duars). Menon, *Rec. Indian Mus.*, 47 : 232, 1949 (confluence of the Tamur with Kosi, E. Nepal). Motwani and David, *J. zool. Soc. India*, 9(1) : 11, 1957 (Sone river). Menon, *J. zool. Soc. India*, 15(1) : 25, 1963 (Brahmaputra, Kosi, Bagmati and Gandak). Jayaram, *HBFW Fish. India*, p. 89, 1981 (Ganga, Yamuna, Brahmaputra. Nepal. Bangladesh). Talwar and Jhingran, *Inland Fish.*, 1 : 351, fig. 121, 1991.

*Distribution* : India : Ganga, Yumuna and Brahmaputra drainages. Nepal. Bangladesh.

*Habitat* : Clear gravelly streams.

*Size* : 12.5 cm TL.

### 21. *Barilius tileo* (Hamilton)

*Cyprinus tileo* Hamilton, *Fish. Ganges*, p. 276, 1822 (Type-locality : R. Kosi). Gray, *Ill. Ind. zool.*, 1 : pl. 94, fig. 1 (from Hamilton's Ms drawings), 1831. Valenciennes, (in C & V), *Hist. Nat. Poiss.*, 16 : 420, 1842.

*Opsarius brachialis* McClelland, *Asiat. Res.*, 19 p. 418, pl. 48, fig. 6, 1839 (U. Assam).

*Leuciscus brachialis*, Bleeker, *Verh. Bat. Gen.*, 25 : 68, 1853.

*Barilius tileo*, Steindachner, *Ak. Wiss. Wien.*, 56 : 61, 1867. Gunther, *Cat. Fish. Brit. Mus.*, 7 p. 593, pl. 149, fig. 5, 1878. Day, *Fauna Brit. Ind. Fish.*, 1 : 351, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 25, fig. 18, 1937 (Chilapata, Central Duars, N. Bengal). Menon, *J. Zool. Soc. India*, 14(1) : 25, 1963 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali drainages). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1 : 13, 1974. Shrestha, *Fish. Nepal*, p. 36, fig. 14, 1981. Talwar and Jhingran *Inland Fish.*, 1 : 351, fig. 122, 1991 (Eastern Himalayas, Bangladesh, Nepal and Burma).

*Barilius menoni* Sen, *Curr. Sci.*, 45(2) : 59, fig. 1, 1976 (type-locality : Gomatidhara, North Bihar).

*Distribution* : India : Eastern Himalayas : Ganges and Brahmaputra systems. Bangladesh and Nepal.

*Habitat* : Hill streams and rivers with pebbly or sandy bed.

*Size* : 15.0 cm TL.

### 22. *Barilius vagra* (Hamilton)

*Cyprinus vagra* Hamilton, *Fish. Ganges*, pp. 269, 385, 1822 (Type-locality : Ganges at Patna).

*Opsarius isocheilus* McClelland, *Asiat. Res.*, 19 pp. 298, 421, pl. 56, fig. 1 (from Hamilton's Ms drawings) 1839.

*Opsarius piscatorius* McClelland, *Calcutta J. Nat. Hist.*, 2 : 582, 1842.

*Leuciscus piscatorius*, Bleeker, *Verh Bat. Gen.*, 25 : 68, 1853.

*Leuciscus vagra*, Bleeker, *Verh. Bat. Gen.*, 25 : 68, 1853.

*Barilius alburnus* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 289, 1868 (Nepal)

*Barilius bleekeri* Day, *J. Asiat. Soc. Beng.*, 5 : 1872.

*Barilius vagra*, Day, *Fish. India*, p. 589, pl. 148, fig. 3, 1878. Day, *Faun. Brit. Ind. Fish.*, 1 : 345, 1889. Shaw and Shebbeare *J. Asiat. Soc. Beng.*, 3 : 26, pl. 2, fig. 10, text-fig. 19, 1937 (clear streams of Terai and Duars, N. Bengal). Hora, *Rec. Indian Mus.*, 39 : 339, 1937 (Kumaon Himalayas). Hora and Gupta, *J. Asiat. Soc. beng.*, (3) 6 : 76, 1940 (Kalim pong Duars). Menon, *J. Bombay nat. Hist. Soc.*, 38(3) : 538, 1949 (R. Kosi in Kumaon Himalayas). Chauhan and Ramakrishna, *Rec. Indian Mus.*, 51(37) : 396, 400, 1954 (Balangir, Orissa). Motwani and David, *J. zool. Soc. India*, 9(1) : 11, 1957 (R. Sone). Misra, *Rec. Indian Mus.*, 57, 143, 1959 (Assam, W bengal, Bihar, Punjab, W. Himalayas; Nepal; Pakistan; Bangladesh; Ceylon). De Witt. *Stanford. Ichth. Bull.*, 84, 1960 (Nepal). Sehgal. *J. Bombay nat. Hist. Soc.*, 58 (1) : 231 (Jamuna river at Allahabad). Menon, *J. zool. Soc. India*, 14(1); 25, 1963 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus drainages). Mahajan, *J. Bombay nat. Hist. Soc.*, 62(3) : 446 (Muzaffarnagar Dist., U.P.). Das and Nath, *Kashmir Sci.*, 8(1-2) : 12, 13, 1971 (Poonch valley, J & K). Tilak, *Rec. zool. Surv. India*, 65 (1-4) : 209, 1971 (river Tawi, J & K.). Tilak, *Rec. Zool. Surv. India.*, 66 (1-4) : 279, 1972 (Ranjeet river, Majhitar, Sikkim). Venkateswarlu, *Indian J. zool.*, 13 (3) : 120, 1972 (Bihar). Bhatnagar, *J. Inland, Fish. Soc. India*, 5 : 134, 1973 (Bhakara reservoir, H.P.). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 14, 1974 (Sind hills, all along Himalayan river and Assam). Sehgal, *J. Bombay nat. Hist. Soc.*, 70(3) : 465, 1974 (Chamba, Mandi, Bilaspur). Badola, *Indian J. zool.*, 16(1) : 60, 1975 (Pauri Garhwal). Jayaram and Majumdar, *Rec. zool. Surv. India*, 69 : 310, 1976 (Mahanadi). Grover and Gupta, *Proc. nat. Acad. Sci. India*, 47B (4) 210, 1977 (Banda Dist., U.P.). Tilak and Sinha, *zool. Jb. Syst.*, 106 : 178, 186, 1979 (Madhya Pradesh). Shrestha, *Fish. Nepal*, p. 38, fig. 15, 1981 (Nepal). Coad, *Nat. Mus. Canada (Zool)*, 16 4 : 9, 1981 (Afghanistan). Tilak and Baloni, *Rec. zool. Surv. India*, 81(3-4) 256, 1984 (Tehri-Garhwal). Talwar and Jhingran *Inland Fish.*, 1 : 353, fig. 123, 1991 (Afghanistan, Pakistan, India, Nepal, Bangladesh. Sri Lanka excluded).

*Barilius (Pachystomus) vagra*, Day, *Fish. India*, p. 588, pl. 148, fig. 3, 1878 (Sind

hills, Himalayas, Sub-Himalayas, Jamuna, Ganges, Punjab, Assam. Ceylon excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 344, 1889.

*Shacra vagra*, Fowler, *Proc. nat. Acad. Sci. Phil.*, **76** : 70, 1924 (Beas river, Sutlej near Loodianali, Bilaspur, Mundeen river).

*Barilius (Barilius) vagra*, Tilak, *Cheetal*, **15(4)** : 35, 1973 (North-bengal). Tilak and Hussain, *Zool. Jb. Syst.*, **104** : 266, 272 (H. P; Beas, Sutlej, Mandi river, Bhakra reservoir, Chamba).

*Barilius vagra pakistanicus* Mirza and Sadig, *Biologia*, **24(1)** : 1, 1978.

*Barilius vagra vagra*, Jayaram, *HBFW Fish. India*, p. 89, 1981 (North India, Indus, Ganga, Yamuna and Brahmaputra river systems, Nepal, Bangladesh, Pakistan. Sri Lanka excluded). Jayaram, Venkateswarlu and Rangunathan, *Rec. zool. Surv. India Occ. Pap.*, No. 36 : 46, 1982 (Cauvery river system, Indus, Ganga, Yamuna and Brahmaputra river system, Nepal, Bangladesh, Pakistan. Sri Lanka excluded).

*Distribution* : India : all along the base of Himalayas and Assam. Nepal. Bangladesh. Afganistan. Pakistan : NWFP., Punjab, Sind, Baluchistan, Azad Keshmir.

*Habitat* : Hill streams with gravelly and rocky bed.

*Size* : 12.5 cm TL.

#### Genus 7 : *Raiamas* Jordon

*Raiamas* Jordon, *Proc. Acad. nat. Sci. Philad.*, **70** : 344, 1981 (Type, *Cyprinus bola* Hamilton). Howes, *Bull. Brit. Mus. nat. Hist. (Zool)*, **37(3)** : 193, 1980.

#### 23. *Raiamas bola* (Hamilton)

*Cyprinus bola* Hamilton, *Fish. Ganges*, pp. 274, 385, 1822 (Type-locality : R. Brahmaputra). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 423, 424, 1842.

*Cyprinus goha* Hamilton, *Fish. Ganges*, p. 275, 1822 (Kosi, Yamuna and Sone rivers). Gray, *Ill. Ind. zool.*, **1** : pl. 86, fig. 2; 1830-32, pl. 87, fig. 3 : pl. 94, fig. 1 (from Hamilton's Ms drawings), 1834. Bleeker, *Verh. Bat. Gen.*, **25** : 66, 68, 1853.

*Opsarius gracilis* McClelland, *Asiat. Res.*, pp. 297, 419, pl. 47, fig. 1, 1839 (Ganges and Brahmaputra systems).

*Opsarius megastomus* McClelland, *Asiat. Res.*, pp. 298, 420, pl. 48, fig. 5 (from Hamilton's MS drawings), 1839 (R. Brahmaputra).

*Leuciscus salmoides* Blyth, *J. Asiat. Soc. Beng.*, **28** : 289, 1858.

*Barilius goha*, Steindachner, *Ak. Wiss. Wien.*, **56** : 369, 1867.

*Bola goha*, Day *Proc. zool. Soc. Lond.*, p. 379, 1869. Day, *Proc. zool. Soc. Lond.*, p. 620, 1869.

*Opsarius goha*, Day, *Proc. zool. Soc. Lond.*, p. 379, 1869. Day, *Proc. zool. Soc. Lond.*, p. 620, 1869.

*Barilius bola*, Day, *Fish. India*, p. 594, pl. 149, fig. 4, 1878 (Orissa, Bengal, N.W.P. Assam and Burma). Day, *Faun. Brit. Ind. Fish.*, **1** : 352, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 23, fig. 16 1937 (clear stream and rivers of Terai and Duars, N. Bengal). Hora, *J. Bombay nat. Hist. Soc.*, **39**(1) : 199, 1937 (revision). Hora and Gupta, *J. Asiat. Soc. Beng.*, **3**(6) : 78, 1940 (Kalimpong Duars). Menon, *J. Bombay nat. Hist. Soc.*, **48**(3) : 538, 1949 (Kumaon). Menon, *Rec. Indian Mus.*, **52** : 22, 1954 (Manipur). Hora, *J. Bombay nat. Hist. Soc.*, **39**(1) : 199, 1937 (Ravi). Hora and Gupta, *J. Asiat. Soc. Beng.*, **3**(6) : 78, 1940 (Kalimpong Duars). Menon, *J. Bombay nat. Hist. Soc.*, **48**(3) : 538, 1949 (Kumaon). Menon, *Rec. Indian Mus.*, **52** : 22, 1954 (Manipur). Sinha and Shiromany, *Rec. Indian Mus.*, **51**(1) : 62, 1954 (Kalinadi). Misra, *Rec. Indian Mus.*, **57**(4) : 142, 1954 (Assam, W Bengal, Punjab, U.P., Bihar, Orissa, Pakistan, Burma). Menon, *J. zool. Soc. India*, **14** (1) : 25, 1962 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Yamuna drainages). Lal and Chatterjee, *J. zool. Soc. India*, **14**(2) : 235, 237, 1963 (Rehand River, Song River at Lachiwala, Doiwala, Eastern Doon). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 12, 1974 (Punjab, U.P., Orissa, Assam, Bengal, Burma, Nepal, Deccan (introduced). Motwani and Saigal, *Indian J. Fish.*, **21**(1) : 112, 1974 (Sarda reservoir, Pilibhit, U.P.) Pillai and Yazdani, *Rec. Zool. Surv. India*, **72** : 4, 81, 1977 (Garo hills, Meghalaya). Tilak and Sinha, *Zool. Jb. Syst.*, **106** : 178, 185, 1979 (M.P.). Jayaram, *HBFW Fish. India*, p. 88, 1981 (Assam, W. Bengal upto Orissa). Sen, *Rec. Zool. Sur. India Occ. Pap.*, No. **64** : 34, 1985 (Assam, W Bengal, Punjab, U.P., Bihar).

*Raiamas bola*, Hora and Mukerjee, *Rec. Indian Mus.*, **33**(2) : 134, 138, 1936 (Eastern Doon).

*Barilius (Opsarias) bola*, Hora, *Rec. Indian Mus.*, **39**(1) : 44, 1935 (Nepal). Hora and Gupta, *J. Asiat. Soc. Beng. Sci.*, **6** : 78 (Kalimpong Duars and Siliguri Terai, N. Bengal). MacDonald, *J. Bombay nat. Hist. Soc.*, **44**(4) : 553, 1944. Tilak and Husain, *Zool. Jb. Syst.*, **104** : 272, 1977 (Sirmour).

*Barilius corbetti* Tilak and Husain, *Mitt. zool. Mus. Berlin*, **56**(1) : 41, 1980 (Type-locality Corbett National park. U.P.)

*Barilius jalkapoorei* Shrestha, *Fish. Nepal*, p. 34, 1981 (Type-locality Kosi and Narayani).

**Distribution** : India : Himalayas : Kosi, Bagmati, Gandak drainages in Bihar and head waters of Ganges river in U.P. Nepal.

**Habitat** : Large mountain streams and rivers.

**Size** : 30.0 cm TL., weighing 2.26 kg.

**Status** : Endangered.

#### 24. *Raiamas guttatus* (Day)

*Opsarius guttatus* Day, *Proc. zool. Soc. Lond.*, p. 620, 1869 (Type-locality : R. Irrawady from Prome to Mandalay).

*Bola harmandi* Sauvage, *Bull. Soc. Philom. Paris*, (7) 4 : 231, pl. 6, fig. 6, 1880 (Cambodia).

*Barilius harmandi*, Fowler, *Proc. Acad. nat. Sci. Philad.*, 86 : 141, fig. 112, 113, 1934 (Chiengmai).

*Barilius guttatus*, Day, *Fish. India*, p. 593, pl. 149, fig. 3, 1878 (Irrawady from Prome to Mandalay). Day, *Faun. Brit. Ind. Fish.*, 1 : 351, 1889. Menon, *Rec. Indian Mus.*, 50 : 268, 1952, (Manipur). Menon, *Inland Fish. Soc. India Spl. Publ. No. 1* : 14, 1974 (Irrawady river in Burma and Manipur). Jayaram, *HBFW Fish. India*, p. 89, 1981 (Irrawady river). Talwar and Jhingran (in part), *Inland Fish.*, 1 : 386, 1991.

**Distribution** : India : Manipur. Burma (Irrawady). Thailand and Cambodia.

**Habitat** : Mountain streams and rivers.

**Size** : 17.5 cm TL.

#### Genus 8 : *Salmostoma* Swainson

*Salmostoma* Swainson, *Nat. Hist. Fish.*, 2 : 284, 1839 (Type, *Cyprinus bacaila* Hamilton). Banareescu, *Rev. Roum. Biol. (Zool)*, 13(1) : 3-14, 1968 (Revision). Howes, *Bull. Brit. Mus. nat. Hist. (Zool)*, 36(3) : 190-191, 1979.

#### 25. *Salmostoma acinaces* (Valenciennes)

*Leuciscus acinaces* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 17 : 347, pl. 509, 1844 (Type-locality : Mysore (Cauvery drainage)).

*Pelecus diffusus* Jerdon, *Madras J. Lit. Sci.*, 15 p. 327, 1849.

*Chela argentea* Day, *Proc. Zool. Soc. Lond.*, p. 301, 1867 (Type-locality : Bowany River). Gunther, *Cat. Fish. Brit. Mus.*, 7 : 334, 1868 (Neilgherris). Day, *Fish. India*, p. 601, pl. 152, fig. 2, 1878 (Bowany river at Neilgherris, Cauvery river

and Mysore). Day, *Faun. Brit. Ind. Fish.*, 1 : 364, 1889. Bhimachar and Rau, *J. Mys. Univ.*, 1 : 146, 1941 (River Badra near Hebbe; River Tunga near Hariharapur). Hora, *Rec. Indian Mus.*, 44(2) : 194, 1942 (Neilgherris, Coorg, Mysore. Calcutta Excluded). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, 28 (5B) : 169, 1948 (Tungabhadra river). Seghal, *Sport Fish. India*, 10, 1987 (Tanks and rivers of Peninsular India).

*Chela diffusa*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 334, 1868 (Cauvery river).

*Oxygaster argentea*, Rajan. *J. Bombay Nat. Hist. Soc.*, 53(1) : 45, 1955 (Bhavani river).

*Salmostoma acinaces*, Banarescu, *Rev. Roum. Biol.* 13(1) : 9, 1968. (Nigiris, Wynaad and Mysore). Jayaram, *HBFW Fish. India*, p. 74, 1981 (Cauvery, Bhavani, Wynaad, W ghats. R. Hoogly in W Bengal excluded). Talwar and Jhingran, *Inland Fish.*, 1 : 321, 1991. (Bhavani river, Madras and Cauvery R. system. Poona and Hoogly excluded.)

*Distribution* : Peninsular India : Nilgiris : Cauvery system; Mysore : Cauvery system and the Thungabhadra.

*Habitat* : Hill streams.

*Size* : 15.0 cm. TL.

## 26. *Salmostoma bacaila* (Hamilton)

*Cyprinus bacaila* Hamilton, *Fish. Ganges*, pp. 265, 384, pl. 8, fig. 76, 1822, (Type-locality: Gangetic provinces). Valenciennes (in C & V), *Hist. nat. Poiss.*, 16:460, 1842.

*Opsarius bacaila*, McClelland, *Ind. Cyp.*, pp. 295, 414, pl. 47, Fig.3. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16: 470, 1842.

*Opsarius leucerus* McClelland, *Ind. Cyp.*, pp. 295, 415, pl. 47, fig. 3.

*Leuciscus bacaila*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16: 341, pl. 507, 1842.

*Pelecus cultellus* Jerdon, *Madras J. Lit. Sci.*, p.326, 1849.

*Salmophasia oblonga* Swainson, *Nat. Hist. Fish.*, 2: 284.

*Chela bacaila*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 332, 1868, (Ganges, Hooghly, Son river, Cachar, Assam, Moulemein, Mancha lake, Sind). Day, *Proc. Zool. Soc. Lond.*, p. 382, 1870. Day, *Fish. India*, p. 603, pl. 152, fig. 5, 1878 (Throughout India except Malabar, Mysore and Madras and parts of Deccan). Day, *Faun. Brit. Ind. Fish.*, 1: 367, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 19, fig. 11, 1937 (Terai and Duars, N. Bengal). Hora, *Rec. Indian Mus.*, 42 : 369, 1940 (Dhamtari bazar, Mahanadi river). Silas *J. Zool. Soc. India*,

3: 7, 1951. David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2): 166, 1952 (Barakar, Konar and Damodar Rivers). Job, David and Das, *Indian J. Fish.*, **2**: 31, 1955 (Hirakud Dam, Mahanadi). Sehgal, *J. Bombay nat. Hist. Soc.*, **53**(1): 719, 1955 (Darrang Dist. Assam).

*Oxygaster bacaila*, Chaugan and Ramakrishan, *Rec. Indian Mus.*, **51**:399, 1953. Motwani and David, *J. Zool. Soc. India*, **9**(1):11, 1957 (R. Sone). Misra, *Rec. Indian Mus.*, **57**:140, 1959 (throughout India except south of Deccan). Menon, *J. Zool. Soc. India*, **14**(1):25, 1962 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali and Kali drainages). Shrestha, *Fish. Nepal*, p. 81, fig. 39, 1982.

*Salmostoma bacaila*, Banareescu, *Rev. Roum. Biol.*, **13**(1):4, 1968 (Revision). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1:9, 1974 (N. India). Jayaram, *HBFW Fish. India*, **74**, 1981 (Ganga, Brahmaputra, Mahanadi, Indus, Nepal, Bangladesh). Shrestha, *Fish. Nepal*, p. 81. Sen, *Rec. Zool. Surv. India Occ. Pap.*, No. **64**:31, 1985 (N. India and Orissa). Talwar and Jhingran, *Inland Fish.*, **1**:321, 1991 (Indus; Northern India to Orissa; Bangladesh and Nepal).

*Distribution* : India: North India as far as Orissa. Pakistan. Nepal and Bangladesh.

*Habitat* : Rivers, streams, canals, beels and used tanks in plains and submontaine regions.

*Size* : 18.0 cm TL.

### 27. *Salmostoma boopis* (Day)

*Chela boopis* Day, *Proc. Zool. Soc. Lond.*, p. 708, 1873, (Type-locality : South Canara). Day, *Fish. India*, p. 602, pl. 152, fig. 4, 1878 (South Canara). Day, *Faun. Brit. Ind. Fish.*, **1**: 366, 1889. Fraser, *J. Bombay nat. Hist. Soc.*, **43**(1) : 82; 1941 (Mola-Mutha river, Maharashtra). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43** (2) : 219, 1942 (South Canara and Poona).

*Oxygaster boopis*, David, *Proc. nat. Acad. Sci.*, **33B**(2): 276, 1963 (Krishna).

*Salmostoma boopis*, Banareescu *Rev. Roum. Biol.*, **13**(1): 11, 1968 (Mola-Mutha, Poona). Jayaram, *HBFW Fish. India*, p 74, 1981 (W.Ghats, Canara, Mola-Mutha river, Poona). Talwar and Jhingran, *Inland Fish.*, **1**:322, 1991 (Western ghats, S. Canara and Poona).

*Distribution* : Peninsular India : Western Ghats : Karnataka Dakshin Kannad (South Canara) and Maharashtra.

*Habitat* : Upper reaches of rivers.

*Size* : 12.0 cm TL.

28. *Salmostoma clupeioides* (Bloch)

*Cyprinus clupeioides* Bloch, *Naturg. Aus. Fische*, 12: 49, pl. 409, fig. 2, 1782 (Type-locality : Tranquebar).

*Clupea cyprinoides* Schneider, *Syst. Ichth.*, p. 427, 1801.

*Chela balookee* Sykes, *Trans. Zool. Soc.*, 2: 360, 1841 (Rivers of Deccan).

*Chela teekanee* Sykes, *Trans. Zool. Soc.*, 2:362, 1841 (Rivers of Deccan).

*Leusciscus clupeioides*, Valenciennes (in C & V), *Hist. Nat. poiss.*, 17:342, pl. 508, 1844.

*Pelecus affinis* Jerdon, *Madras J. Lit. Sci.*, 15: 327, 1849.

*Perilampus teekanee*, Jerdon, *Madras J. Lit. Sci.*, 15: 326, 1849.

*Leuciscus belooke*, Bleeker, *Verh. Bat. Gen.*, 25: 68, 1853.

*Leuciscus teekanee*, Bleeker, *Verh. Bat. Gen.*, 25: 68, 1853.

*Chela clupeioides*, Gunther, *Cat. Fish. Brit. Mus.*, 7: 333, 1868 (Tranquebar). Day, *Fish. India*, 602, 1878 (Cutch, Jabalpure, Mysore, Deccan, Madras and Burma). Day, *Faun. Brit. Ind. Fish.*, 1: 366, 1889. Hora, *Rec. Indian Mus.*, 43: 366, 1941 (stream near Mehra village, Satpura Range, M.P.). Fraser, *J. Bombay nat. Hist. Soc.*, 43(1): 82, 1942 (Cutch, Peninsular India, Satpura and Burma). Silas, *J. Bombay nat. Hist. Soc.*, 49(4): 678, 1951 (W Ghats).

*Oxygaster clupeioides*, Rajan, *J. Bombay nat. Hist. Soc.*, 53(1): 45, 1955 (R. Bhavani). Motwani and David, *J. Zool. Soc. India*, 9(1): 11, 1957 (R. Sone). David, *Proc. nat. Acad. Sci.*, 33B(2): 276, 1963 (Krishna and Godavari rivers).

*Salmostoma clupeioides*, Banarescu, *Rev. Roum. Biol.*, 13(1) : 5, 1968 (South India). Banarescu, *Rev. Roum. Biol.*, 16, 1971 (Revision). Jayaram, *HBFW Fish. India*, p. 74, 1981 (Narmada, Tapi, Krishna, Godavari, Cauvery system, Nasik, Deolali, Jabalpur). Singh and Kamble, *Bull. Zool. Surv. India*, 8(1-3): 293, 1987 (Jalagaon Dist., Maharashtra). Talwar and Jhingran, *Inland Fish.*, 1:323, 1991 (Eastern and Western ghats, Maharashtra, Madhya Pradesh. Burma excluded).

*Salmostoma kardahiensis* Reddiah, *Bull. Zool. Surv. India*, 3: 14, 1980, (Kardahi River near Jabalpur, Madhya Pradesh).

*Distribution* : India Peninsular India Gujarat, Maharashtra, Mysore, Tamil Nadu and Madhya Pradesh (Narmadha, Godavary, Krishna and Cauvery).

*Habitat* : Upper drainages of large rivers.

*Size* : 15.0 cm TL.

29. *Salmostoma horai* (Silas)

*Chela horai* Silas, *J. Zool. Soc. India*, **3** : 7, fig. 1, 1951 (Type-locality : R. Cauvery, Coorg, Mysore). Howes, *Bull. Brit. Mus. nat. Hist. (Zool)*, **36**(3) : 190, 1979.

*Salmostoma horai*, Banarescu, *Rev. Roum. Biol.*, **13**(1) : 7, 1968 (R. Cauvery at Coorg, Karnataka). Jayaram, *HBFW Fish. India*, p. 74, 1981 (Cauvery R; Coorg, Karnataka). Talwar and Jhingran, *Inland Fish.*, **7** : 323, fig. 11'6, 1991 (Karnataka. Andhra Pradesh excluded).

*Distribution* : India : Karnataka : Coorg (Cauvery river).

*Habitat* : Higher reaches of rivers.

*Size* : 10.0 cm TL.

*Status* : Rare.

30. *Salmostoma novacula* (Valenciennes)

*Leuciscus novacula* Valenciennes, *Jacq. Voy, Ind. Orient.* pl. 15, fig. 2, 1842 (Type locality : Madras).

*Chela phulo* (*nec* Hamilton), Day (in part), *Fish. India*, p. 602, pl. 153, fig. 1, 1878 (Deccan, Tamboodra and Krishna river). Day (In part) *Faun. Brit. Ind. Fish.*, **1** : 365, 1889 (Central India, Deccan). Hora *Rec. Indian Mus.*, **40**(12) : 171, 1938 (Rajmahal hill). Fraser, *J. Bombay nat. Hist. Soc.*, **43**(1) : 82, 1942 (Mola Mutha river, Poona). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **44**(2) : 194, 1942 (Nilgiri, Wynaad). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53**(1) : 672, 1955 (Kolhapur).

*Oxygaster phulo*, David, *Proc. nat. Acad. Sci.*, **33B**(2) 276, 1963 (Krishna and Godavary).

*Salmostoma novacula*, Banarescu, *Rev. Roum. Biol.*, **13**(1) : 7, 1968 (Revision). Jayaram, *HBFW Fish. India*, p. 74, 1981 (W Ghats, Krishna, Godavary, Deolali, Nasik, Poona). Talwar and Jhingran, *Inland Fish.*, **1** : 324, 1991 (Madras, Godavary, Krishna, Poona and Western ghats).

*Salmostoma untrahi* (*nec* Day), Jayaram *et al.*, *Rec. zool. Surv. India. Occ. Pap.*, No. **36** : 38, 1982 (Cauvery System).

*Salmostoma longicauda* Srithar and Jayaram, *J. Bombay nat. Hist. Soc.*, **87**(2) : 272, 1990 (Dhom reservoir, wai, Maharashtra).

*Distribution* : India Maharashtra (Godavari and Krishna) and Tamil Nadu (Cauvery).

*Habitat* : Upper drainages of rivers and reservoirs.

*Size* : 12.5 cm TL.

31. *Salmostoma orissaensis* Banarescu

*Chela phulo* Day (in part), *Fish. India*, p. 602, pl. 153, fig. 1, 1878 (Type-locality Orissa). Day (in part), *Faun. Brit. Ind. Fish*, 1 : 365, 1889 (Orissa).

*Salmostoma phulo orissaensis* Banarescu, *Rev. Roum. Biol.*, 13(1) 5, fig. 4, 1968 (Orissa). Jayaram, *HBFW Fish. India*, p. 74, 1981 (Orissa).

*Salmostoma orissaensis*, Howes, *Bull. Brit. Mus. nat. Hist.*, 36(3) : 190, 1979. Talwar and Jhingran, *Inland Fish.*, 1 : 325, 1991 (Orissa. Madras excluded).

*Distribution* : India Orissa.

*Habitat* : Lower reaches of rivers, ponds and ditches.

*Size* : 10.0 cm. TL.

32. *Salmostoma phulo* (Hamilton)

*Cyprinus phulo* Hamilton, *Fish. Ganges*, p. 262, 1822 (Type-locality : rivers and ponds of N. E. Parts of Bengal)

*Opsarius albulus* McClelland, *Asiat. Res.*, 19 : 416, pl. 48, fig. 10 (from Hamilton's MS drawings), 1839.

*Leuciscus phulo*, Bleeker, *Verh. Bat. Gen.*, 25 : 68, 1853.

*Leuciscus owenii* Bleeker, *Verh. Bat. Gen.*, 25 : 68, 1853.

*Chela phulo*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 334, 1868 (north east Bengal). Day (in part), *Fish. India.*, p. 602, pl. 153, fig. 1, 1870 (Assam, Bengal). Day (in part), *Faun. Brit. Ind. Fish*, 1 : 365, 1889 (Assam, Bengal).

*Salmostoma phulo phulo*, Banarescu, *Rev. Roum. Biol.*, 13(1) 5, 1968 (Revision). Menon, *Inland Fish. Soc. India Spl. Pub.*, No. 1 : 9, 1974.

*Salmostoma phulo*, Talwar and Jhingran, *Inland Fish.*, 1 : 326, 1991 (Gangetic and Brahmaputra drainages of India, Bangladesh).

*Distribution* : India West Bengal and Assam. Bangladesh.

*Habitat* : Lower reaches of rivers, ponds, bheels, ditches and canals.

*Size* : 12.0 cm TL.

### 33. *Salmostoma sardinella* (Valenciennes)

*Leuciscus sardinella* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17** : 344, 1844 (Type-locality : Rangoon, Burma).

*Chela sardinella*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 338, 1868 (Irrawadi, Burma). Day, *Fish. India*, p. 600, pl. 152, fig. 7, 1878 (Irrawadi River at Rangoon; Salwein at Moulmein, Burma). Day, *Faun. Brit. Ind. Fish.*, **1** : 363, 1889 (Rangoon, Moulmein, Burma).

*Chela untrahi*, Day (in part) *Fish. India*, p. 601, pl. 151, fig. 1, 1878 (Mahanadi at Orissa).

*Salmostoma sardinella*, Banarescu, *Rev. Roum. Biol.*, **13**(1) : 11, 1968 (Revision). Jayaram, *HBFW Fish. India*, p. 74, 1981 (Orissa, W. Bengal, Bangladesh; Burma: Pegu, Rangoon, Moulmein). Talwar and Jhingran, *Inland Fish.*, **1** : 327, 1991 (Ganga, Brahmaputra drainages, Orissa, Bangladesh and Burma).

*Distribution* : India : West Bengal (Ganga System) : Assam (Brahmaputra system), Orissa (Mahanadi system). Bangladesh. Burma : Pegu, Moulmein, Rangoon.

*Habitat* : Lower reaches of rivers.

*Size* : 15.0 cm TL.

### 34. *Salmostoma untrahi* (Day)

*Chela untrahi* Day, *Proc. zool. Soc. Lond.*, p. 381, 1869 (Type-locality : Mahanadi River, Orissa). Day (in part), *Fish. India*, p. 601, pl. 151, fig. 7, 1878 (Mahanadi River. Cauvery and Coleroon excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 364, 1889. David. *J. zool. Soc. India*, **5**(2) : 253, 1953 (Mahanadi).

*Salmostoma untrahi*, Banarescu, *Rev. Roum. Biol.*, **13**(1) : 11, fig. 11 and 12, 1968 (Revision). Jayaram, *HBFW Fish. India*, p. 74, 1981 (Mahanadi River System. Cauvery River System excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 328, 1991.

*Distribution* : India : Orissa : Mahanadi River.

*Habitat* : Lower reaches of rivers.

*Size* : 20.0 cm TL.

### Genus 9 : *Securicula* Gunther

*Securicula* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 332, 1868 (Type, *Cyprinus gora* Hamilton). Howes, *Bull. Brit. Mus. nat. Hist. (Zool)*, **36**(3) : 191, 1979. *Pseudoxygaster* Banarescu, *Rev. Roum. Biol.*, **12**(5) : 306, 1967 (Type, *Cyprinus gora* Hamilton).

35. *Securicula gora* (Hamilton)

*Cyprinus gora* Hamilton, *Fish. Ganges.*, pp. 268, 384, 1822 (Type-locality : Ganges and its tributaries) Gray, *Ill. Ind. Zool.*, 2 pl. 95, fig. 2, 1834.

*Opsarius pholicephalus* McClelland, *Asiat. Res.*, p. 415, pl. 47, fig. 2, 1839.

*Leuciscus cultellus* Valenciennes, *Hist. nat. Poiss.*, 17 : 341, 1844 (Ganga River). Banarescu, *Rev. Roum. Biol.*, 12(5) : 308, 1967 (Revision).

*Chela gora*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 332, 1868 (Bengal and Assam, Sone and Ganges rivers). Day, *Fish. India*, p. 600, pl. 151, fig. 8, 1878 (Sind, Punjab, N. W. Provinces, Bengal, Orissa, Assam). Day, *Faun. Brit. Ind. Fish.*, 1 : 362, 1889 (Sind, Punjab, N. W. Provinces, Bengal, Orissa and Assam). Menon, *Rec. Indian Mus.*, 47 : 231, 1949 (Chhatra ghat, Nirmali and E. Nepal). Job, David and Motwani *J. Asiat. Soc. Beng.*, 18(2), 1952 (Middle valley of Damodar River). Job, David and Das, *Indian J. Fish.*, 2(1) : 31, 1955 (Orissa, Mahanadi, R, Hirakud Dam).

*Oxygaster gora*, Motwani and David, *J. Zool. Soc. India*, 9(1) : 19, 1957 (R. Sone). Menon, *J. Zool. Soc. India*, 14(1) : 25, 1962 (Rapti, Karnali, Kali and Indus). Datta and Majumdar, *Rec. Zool. Surv. India*, 62(1 and 2) : 76, 1970 (Rajasthan). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 2, 1974 (Northern India, Pakistan, Bangladesh). Rehman, *Bangla J. Zool.*, 2(2) : 192, 1974 (Bangladesh).

*Pseudoxygaster gora*, Banarescu, *Rev. Roum. Biol.*, 12(5) : 308, 1967 (Revision).

*Securicula gora*, Jayaram, *HBFW Fish. India*, p. 73, 1981 (N. India upto Orissa). Talwar and Jhingran, *Inland Fish*, 1 : 329, 1991 (Pakistan, Northern and Eastern India, Bangladesh).

*Distribution* : Pakistan. North and north eastern India. Bangladesh.

*Habitat* : Ponds, canals and rivers in the middle and lower reaches.

*Size* : 23. 0 cm TL.

Tribe : DANIONINI

Genus 10 *Amblypharyngodon* Bleeker

*Amblypharyngodon* Bleeker, *Nat. Tijdschr. Ned. Ind.*, 20 : 433, 1859 (Type, *Cyprinus mola* Hamilton).

36. *Amblypharyngodon melettinus* (Valenciennes)

*Leuciscus melettinus* Valenciennes in (C & V), *Hist. Nat. Poiss.*, 27 : 304, pl. 501 1844 (Type-locality Bombay). Jerdon, *Madras J. Lit. Sci.*, 15 p. 322, 1849.

*Rhodeus indicus* Jerdon, *Madras J. Lit. Sci.*, 15 p. 324, 1849.

*Brachygramma jerdoni* Day, *Proc. zool. Soc. Lond.*, p. 304, 1865.

*Amblypharyngodon jerdoni*, Day, *Fish. Malabar*, p. 217, pl. 17, fig. 1, 1865.

*Amblypharyngodon melettinus*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 202, 1868. (coast of Malabar and Ceylon). Day, *Fish. India*, p. 555, pl. 136, fig. 3, 1878 (Malabar coast, South India). Day, *Faun. Brit. Ind. Fish.*, 1 : 292, 1889. Deraniyagala, *Coloured Atlas Vert. Ceylon*, 1 : 45, 1950. Silas, *J. Bombay nat. Hist. Soc.*, 48(4) : 795, 1949 (Alleppy canals, Kerala). Jayaram, *HBFW Fish. India*, p. 86, 1981 (Western ghats, T. Nadu). Talwar and Jhingran, *Inland Fish.*, 1 : 336, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 55, 1991.

*Amblypharyngodon grandisquamis* Jordon and Starks, *Ann. Carnegi Mus.*, 11 : 438, pl. 44. 1917 (Ceylon).

*Amblypharyngodon chakaiensis* Babu and Nair, *Aquatic Biology*, 3 : 122, fig. 1, 2, 1978 (Type-locality : Chakai, Trivandrum, Kerala).

**Distribution** : India : Bombay along the west face of Western Ghats to Manavalakurichi, Kanyakumari Dist, Tamil Nadu. Sri Lanka.

**Habitat** : Ponds, slow moving streams and canals, preferring still water with a muddy bottom.

**Size** : 8.0 cm TL.

### 37. *Amblypharyngodon microlepis* (Bleeker)

*Leuciscus microlepis* Bleeker, *Verh. Bat. Gen.*, 25 : 141, 1853 (Type-locality : Bengal).

*Amblypharyngodon microlepis*, Bleeker, *Ichth. Arch. Ind. Prodr.*, 2 : 409, 1860. Kner, *Novara Fische*, p. 349, 1865. Day, *Fish. India*, p. 555, pl. 135, fig. 5, 1878 (Hoogly through Orissa and down the Coromandel coast to Madras). Day, *Faun. Brit. Ind. Fish.*, 1 : 291, 1889. Murthy, *Proc. Indian Acad. Sci.*, 85(3) : 120, 1977. Jayaram, *HBFW Fish. India*, p. 86, 1981 (Eastern and Southern India. West Coast excluded). Talwar and Jhingran, *Inland Fish.*, 1 : 337, 1991 (West Bengal, Orissa, Andhra Pradesh, Tamil Nadu. Uttar Pradesh, Bihar, Kerala excluded).

*Amblypharyngodon melettinus* (*nec* Valenciennes), Bimachar and Rau, *J. Mys. Univ.*, 1 : 55, 1941 (Mysore). David, *Proc. nat. Acad. Sci. India*, 33B(2) : 277, 1963 (Krishna river).

*Amblypharyngodon mola*, (*nec* Hamilton), Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, 28(5) : 170, 1948 (Sunkasela on Tungabhadra, Kurnool). David and Das, *Indian*

*J. Fish.*, 2 : 33, 1955 (Mahanadi river at Hirakud Dam). David. *Proc. Nat. Acad. Sci. India*, 33B(2) : 227, 1963 (Godavary and Krishna).

*Distribution* : India : Bengal through Chota-Nagpur to Peninsular India, except the west face of the Western Ghats.

*Habitat* : Ponds, ditches, nullahs, and slow moving streams.

*Size* : 10.0 cm TL.

### 38. *Amblypharyngodon mola* (Hamilton)

*Cyprinus mola* Hamilton, *Fish. Ganges*, p. 334, pl. 38, fig. 92, 1822 (Type-locality : ponds and freshwater in every part of the Gangetic provinces). Hora, *Mem. Indian Mus.*, 9(4) : 190, 1929.

*Leuciscus pellucidus* McClelland, *Asiat. Res.*, 19 : 293, 408, 1839, (Ganga and Brahmaputra river).

*Leuciscus mola*, McClelland, *Asiat. Res.*, 293, 407, 1839. Bleeker, *Verh. Bat. Gen.*, 25 : 140, 1853.

*Rhodeus macrocephalus* Jerdon, *Madras J. Lit. Sci.*, 15, p. 324, 1849.

*Mola buchmanani* Blyth, *J. Asiat. Soc. Beng.*, p. 16, 1860.

*Amblypharyngodon mola*, Bleeker, *Ichth. Arch. Ind. Prodr.*, 2 : 409, 1860. Gunther, *Cat. Fish. Brit. Mus.*, 7 : 202, 1868 (Bengal, Assam). Day, *Fish. India*, p. 555, pl. 135, fig. 4, 1878 (from Sind throughout India except the Malabar Coast, Assam and Burma). Day, *Faun. Brit. Ind. Fish.*, 1 : 291, 1889. Fowler, *Proc. Acad. Nat. Sci. Phil.*, 76 : 76, 1924, (Bengal). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 18 : 167, 1952 (Barakar, Konar and Damodar rivers in Chota-Nagpur, Bihar). Datta and Majumdar, *Rec. zool. Surv. India*, 62 : 86, pl. 4, fig. 15, 1970 (Rajasthan). Shrestha, *Fish. Nepal*, p. 22, fig. 6, 1981. Jayaram, *HBFW Fish. India*, p. 86, 1981 (throughout India except Malabar. S. India excluded). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. 64 : 51, fig. 7, 1985 (all over India except Malabar coast, Bangladesh, Burma, Pakistan. South India excluded). Talwar and Jhingran, *Inland Fish.*, 1 : 338, 1991 (Pakistan : Indus plain and adjoining hills; India throughout country (except Kerala); Bangladesh and Burma. South India excluded).

*Amblypharyngodon pellucidus*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 202, 1868 (Bengal, Assam, Tennasserim).

*Amblypharyngodon saranensis* Chaudhuri, *Rec. Indian Mus.*, 7 : 440, pl. 39 fig. 2, 1912 (Type-locality Jharia river, Saran).

*Amblypharyngodon gardigarhi* Malhotra, Singh and Datta, *Proc. nat. Acad., Sci. India*, **45B(3)** : 154, fig. 1, 1975 (Type-locality : Gadigarh, Jammu).

*Distribution* : Pakistan : Indus plain and adjoining hills. India : the foot of Himalayas and Indo-genetic plain, Assam. Bangladesh and Burma.

*Habitat* : Ponds, canals, bheels, slow moving streams, nullahs and paddy fields.

*Size* : 20.0 cm TL.

#### Genus 11 : *Bengala* Gray

*Bengala* Gray, *Ill. Ind. zool.*, **2** : 96, 1883 (Type, *Cyprinus elanga* Hamilton). Howes, *Bull. Brit. Mus. nat. Hist. (zool)*, **45(2)** : 99, 1983 (status discussed).

*Megarasbora* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 198, 1868, (Type, *Cyprinus elanga* Hamilton).

#### 39. *Bengala elanga* (Hamilton)

*Cyprinus elanga* Hamilton, *Fish. Ganges*, pp. 281, 386, 1822 (Type-locality : Rivers and ponds of Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 415, 1842 (Ganges).

*Leuciscus elanga*, Bleeker, *Verh. Bat. Gen.*, **25** : 66, 1853 (Bengal).

*Rasbora elanga*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 198, 1868 (Assam, Bengal). Day, *Fish. India*, p. 584, pl. 146, fig. 1, 1878 (Assam, Bengal). Brittan, *Monog. Inst. Sci and Tech.*, **3** : 203, fig. 50, 1954 (Revision). Menon, *J. zool. Soc. India*, **14(1)** : 26, 1962 (Bramaputra, Bagmati, Gandak drainages). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 19, 1974 (Bihar, West Bengal, Burma). Jayaram *HBFW Fish. India*, p. 84, 1981 (W. Bengal, Assam, Bangladesh, Burma). Sen, *Rec. zool Surv. India Occ. Pap.*, No. 64 : 47, 1985 (Assam, W. Bengal, Bihar).

*Bengala elanga*, Talwar and Jhingran, *Inland Fish.*, p. 354, 1991 (Bihar, Uttar Pradesh, West Bengal, Assam, Bangladesh and Western Burma).

*Distribution* : India : Bengal, Assam. Bangladesh. Burma.

*Habitat* : Middle and lower reaches of rivers and ponds.

*Size* : 15.0 cm TL.

#### Genus 12 : *Chela* Hamilton

*Chela* Hamilton, *Fish. Ganges*, pp. 258, 383, 1822 (Type, *Cyprinus cachius* Hamilton).

*Laubuca* Bleeker, *Ichth. Arch. Ind. Prodr.*, 2 : 1860 (Type, *Perilampus guttatus* McClelland = *Cyprinus (Chela) laubuca* Hamilton).

*Cachius* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 339, 1868 (Type, *Cachius atpar* (Hamilton) = *Cyprinus (Chela) cachius* Hamilton).

Subgenus : *Chela* Hamilton

Type, *Cyprinus (Chela) cachius* Hamilton, 1822

40. *Chela cachius* (Hamilton)

*Cyprinus cachius* Hamilton, *Fish. Ganges*, pp. 258, 384, 1822 (Type-locality : River Ganges, above the commencement of the Delta).

*Cyprinus (chela) atpar* Hamilton, *Fish. Ganges*, pp. 259, 384, 1822 (Branches of Ganges, Jamuna, Brahmaputra rivers).

*Chela atpar*, Gray, *Ill. Ind. zool.*, p. 96, fig. 2, 1834. David, *J. zool. Soc. India.*, 9(1) : 10, 1957 (R. Sone). David, *Proc. nat. Acad. Sci. India*, 33(2) : 276, 1963 (Krishna and Godavary). Mathew and Misra, *Newsl. zool. Surv. India*, 2(4), 1976 (Jabalpur, M.P.).

*Perilampus psilopteromus* McClelland, *Asiat. Res.*, 19 : 289, 396, 1839.

*Perilampus cachius* McClelland, *Asiat. Res.*, 19 : 290, 396, pl. 46, fig. 4, 1839.

*Chela anastoma* Swainson, *Nat. Hist. Fish.*, 2 : 258, 1839.

*Cyprinus atpar*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 454, 1842.

*Cyprinus cachius*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 453, 1842.

*Perilampus macropodus* Jerdon, *Madras J. Lit. Sci.*, 15 : 325, 1849, (Type-locality : Cauvery river near its source in coorg, S. India).

*Leuciscus cachius*, Bleeker, *Verh. Bat. Gen.*, 25 : 66, 1853.

*Leuciscus atpar*, Bleeker, *Verh. Bat. Gen.*, 25 : 66, 1853.

*Paradanio elegans* Day, *Proc. zool. Soc. Lond.*, p. 297, 1867 (Bowany river, S. India).

*Cachius atpar*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 339, 1878 (Sind, throughout India and Burma). Day, *Fauna, Brit. Ind. Fish.*, 1 : 359, 1889. Fowler, *Proc. Acad. Nat. Sci. Philad.*, 76 : 73, 1924.

*Perilampus cachius*, Raj, *Rec. Indian Mus.*, 12 : 261, 1916.

*Laubuca atpar*, Bhimachar and Rau, *J. Mys. Univ.*, 1 : 146, 1941 (River Tunga near Hariharpur). Hora, *Rec. Indian Mus.*, 44(2) : 194, 1942 (Nilgiri, Wynaad). Job.

David and Motwani, *J. Asiat. Soc. Beng.*, **18(2)** : 166, 1952 (Damodar river).

*Chela cachius*, Silas, *J. Bombay nat. Hist. Soc.*, **55(1)** : 66, 1958 (Revision). Menon, *J. zool. Soc. India*, **14(1)** : 25, 1962 (Brahmaputra, Bagmati, Gandak and Indus). Menon, *Inland Fish. Soc. India Spl. Pub.*, No. 3: 7, 1974. Jayaram, *HBFW Fish. India*, p. 72, 1981 (India, Pakistan, Bangladesh, Burma, Nepal). Jayaram *et al*, *Rec. zool. Surv. India Occ. Pap.*, No. 36 : 36, (River Kudamurty, Veeracholan river and River Cauvery). Talwar and Jhingran, *Inland Fish.*, **1** : 313, fig. 111, 1991 (Pakistan, India, Bangladesh, Burma).

*Distribution* : India : Throughout India, Pakistan, Bangladesh and Burma.

*Habitat* : Ponds, ditches and rivers in plains and submontane regions.

*Size* : 6.0 cm TL.

#### 41. *Chela laubuca* (Hamilton).

*Cyprinus (Chela) laubuca* Hamilton, *Fish. Ganges*, pp. 260, 384, 1822 (Type-locality : ponds in northern parts of Bengal).

*Perilampus guttatus* McClelland, *Asiat. Res.*, **19** : 289, 394, pl. 45, fig. 4, 1839.

*Cyprinus laubuca*, Valenciennes, *Hist. Nat. Poiss.*, **16** : 456, 1842.

*Leuciscus laubuca*, Bleeker, *Verh. Bat. Gen.*, **25** : 138, 1853.

*Perilampus fulvescens* Blyth, *J. Asiat. Soc. Beng.*, p. 163, 1860 (Tennasserim, Burma). Day, *Proc. zool. Soc. Lond.*, p. 559, 1869.

*Laubuca guttatus* Bleeker, *Atl. Ichth. Cypr.*, **33**, 1863.

*Chela laubuca*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 335, 1868 (R. Hoogly, Bengal). Deraniyagala, *Coloured Atlas Vert. Ceylon*, **1** : 25, 1952. Menon, *Rec. Indian Mus.*, **52** : 25, 1954. Rajan, *J. Bombay nat. Hist. Soc.*, **53(1)** : 45, 1955 (Bhavani River). David, *J. zool. soc. India*, **9(1)** : 10, 1957 (R. Sone). Mirsa, *Rec. Indian Mus.*, **57** : 139, fig. 65, 1959. Menon, *J. zool. Soc. India*, **14(1)** : 25, 1962 (Kosi, Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali and Indus). David, *Proc. nat. Acad. Sci., India*, **33B(2)** : 276, 1963 (Krishna, Godavari). Shrivastava, *Fish. East. U.P.*, p. 28, fig. 16, 1968. Shrestha, *Fish. Nepal*, p. 46, 1981 (Bhiratnagar, drainage of Karnali, Nepal). Talwar and Jhingran, *Inland Fish.*, **1** : 316, fig. 114, 1991 (Pakistan, India, Bangladesh, Srilanka, Burma, Malaya, Sumatra). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 59, 1991.

*Perilampus laubuca*, Day, *Proc. zool. Soc. Lond.*, pp 380, 614, 1869. Day, *J. Asiat. Soc. Beng.*, **41(2)** : 20, 1872. Day, *Fish. India*, p. 598, pl. 61, fig. 5, 1878 (Ganjam, Orissa, Bengal, Central India, Assam, Burma). Day, *Faun. Brit. Ind.*

*Fish.*, 1 : 360, fig. 112, 1889 (Orissa, Bengal, Central India, Assam, Burma). Pillay, *J. Bombay nat. Hist. soc.*, 33 : 357, 1929 (Vellany, Kerala). John, *J. Bombay nat. Hist. Soc.*, 38 : 713, 1936 (Travancore).

*Laubuca (Laubuca) laubuca*, Deraniyagala, *Spol. Zeylan.*, 16 : 34, 1930.

*Laubuca laubuca*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 20, fig. 12, pl. 2, fig. 16, 1937. Das, *Rec. Indian Mus.*, 41 : 439, fig. 1, 1939. Hora, *Rec. Indian Mus.*, 42(2) 370, 1940 (Mahanadi R., Raipur Dist., Madhya Pradesh). Hora, *Rec. Indian Mus.*, 43 : 369, 1941 (Satpura range, Hoshangabad Dist., M.P.). Job, David and Motwani, *J. Asiat. Soc. Beng.*, 18(2) 166, 1952 (Damodar R.).

*Chela (Chela) laubuca*, Silas, *J. Bombay nat. Hist. Soc.*, 55(1) 70, 1958 (Revision). Jayaram, *HBFW Fish. India*, p. 72, 1981 (A.P., Orissa, W Bengal, M.P., Assam, Pakistan, Nepal, Bangladesh, Burma, Sri Lanka).

*Danio (Danio) menoni* Barman, *J. Bombay nat. Hist. Soc.*, 82(3) : 602, fig. 1 : 1985 (Mosampet, A.P.)

*Distribution* : India : Throughout India, Pakistan. Bangladesh. Nepal. Burma. Thailand. Malaysia and Indonesia.

*Habitat* : Streams both shallow and relatively deeper areas, and shallow clear fresh water ponds, canals and ditches.

*Size* : 5.5 cm TL.

Subgenus *Neochela* Silas

Type, *Laubuca dadiburjori* Menon, 1952

42. *Chela dadiburjori* (Menon)

*Laubuca dadiburjori* Menon, *Rec. Indian Mus.*, 49 : 1, 1952 (Type-locality : Cochin, Kerala). Sane and Chhapgar, *J. Bombay nat. Hist. Soc.*, 80 (1) 233, 1983.

*Laubuca dadyburjori*, Dadyburjor, *Bull. Bombay. Aquar. Soc.*, 3(2): 12, 1955.

*Chela (Neochela) dadyburjori*, Silas, *J. Bombay nat. Hist. Soc.*, 55(1) 93; 1958 (Trivandrum, Kerala). Banarescu, *Ann. Mus., Civ. Storia Nat. Geno.*, 77 : 61, 1968. Jayaram, *HBFW Fish. India*, 72, 1981. (Cochin, Kerala).

*Chela dadiburjori*, Talwar and Jhingran, *Inland Fish.*, 1 314, 1991 (Nagercoil and Goa).

*Distribution* : India West coast Nagercoil to Goa.

*Habitat* : Clear fresh water ponds and small streams in the plains.

Size : 3.0 cm TL.

Subgenus : *Allochela* Silas  
Type, *Chela fasciatus* Silas, 1958

#### 43. *Chela fasciatus* Silas

*Chela fasciatus* Silas, *J. Bombay nat. Hist. Soc.*, p. 87, 1958 (Type-locality : Anamalai river at the base of the Annamalai Hills at a place called Vannathurai in Chittur taluk, Kerala). Talwar and Jhingran, *Inland Fish.*, 1 : 315, fig. 113, 1991 (Anamalai hills).

*Distribution* : Peninsular India : Kerala : Anamalai Hills : Anamalai rivers.

*Habitat* : Hill streams.

Size : 6.0 cm TL.

Status : Rare.

#### Genus 13 : *Danio* Hamilton

*Danio* Hamilton, *Fish. Ganges*, pp. 321, 390, 1822 (Type, *Cyprinus dangila* Hamilton).

*Eustira* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 331, 1868 (Type, *Eustira ceylonensis* Gunther).

*Brachydanio*, Weber and de Beaufort, *Fish. Indo, Austral.* 3 : 85, 1916 (Type, *Nuria albolineatus* Blyth).

*Rambaibarnia* Fowler, *Proc. Acad. nat. Sci. Philad.*, 86 : 67 1934 (Type, *Danio regina* Fowler).

*Danioides* Chu, *Biol. Bull. St. John's Univ. Shanghai*, No. 2 : 10, 34 and 123, 1935 (Type, *Danio kakhienensis* Anderson).

*Daniops* Smith, *Bull. U.S. nat. Mus.*, No. 188 : 91-95, 1945 (Type, *Danio myersi* Smith).

*Allodanio* Smith, *Bull. U.S. nat. Mus.*, No. 188; 100-101, 1945 (Type, *Danio ponticulus* Smith).

#### 44. *Danio acuticephala* Hora

*Danio acuticephala* Hora, *Rec. Indian Mus* 22 : 193, fig. 4, 1921 (Type-locality : small streams and ponds of Manipur). Hora and Mukerji, *Rec. Indian Mus.*, 37 : 387, 1935 (Naga hills and Assam). Menon, *Rec. Indian Mus.*, 52 : 22, 1954 (Manipur). Barman, *Rec. Zool. Surv. India Occ. Pap.*, No. 137 2 (Manipur, Nagaland).

*Danio (Brachydanio) acuticephala*, Menon, *J. zool. Soc. India*, **14**(1) 26, 1962 (Chindwin, Brahmaputra). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 15, 1974 (Manipur and Nagaland). Jayaram, *HBFW Fish. India*, p. 80, 1981 (Burma).

*Brachydanio acuticephala*, Talwar and Jhingran (in part), *Inland Fish.*, **1** : 356, 1991.

*Distribution* : India : Manipur and Nagaland.

*Habitat* : Hill streams and ponds.

*Size* : 4.0 cm SL.

#### 45. *Danio aequipinnatus* (McClelland)

*Perilampus aequipinnatus* McClelland, *Asiat. Res.*, **19**(2) 393, pl. 60, fig. 1, 1839 (Type-locality: Assam).

*Leuciscus aequipinnatus*, Bleeker, *Verh. Bat. Gen.*, **25** : 66, 1853.

*Leuciscus lineolatus* Blyth, *J. Asiat. Soc. Beng.*, **29** : 163, 1860 (Type-locality : Tenasserim):

*Perilampus affinis* Blyth, *J. Asiat. Soc. Beng.*, **29** : 163, 1860 (Type-locality : Tenasserim).

*Danio lineolatus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 282, 1868 (Sikkim).

*Pteropsarion aequipinnatus* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 285, 1868 (Assam).

*Danio aequipinnatus* Day, *Fish. India*, p. 596, pl. 150, fig. 6, 1878, (Himalayas at Darjeeling, Assam, Sadiya, Naga and Garo hills, Tenasserim, Deccan). Day, *Faun. Brit. Ind. Fish.*, **1** : 356, fig. 3, 1889. Chaudhury, *Rec. Indian Mus.*, **8** : 244, 1913 (Abor hills, Assam). Hora, *Rec. Indian Mus.*, **26** : 28, 1924 (Garo hills, Assam). Hora and Mukerji, *Rec. Indian Mus.*, **37** : 383, 1935 (Naga hills, Assam). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 26, pl. 2, fig. 15, text-fig. 20, 1937. Hora and Gupta, *J. Asiat. Soc. Beng.*, **3**(6) 78, 1940 (clear waters in Terai and Duars, also stream in the hills upto 3000 ft in N. Bengal). Hora and Nair, *Rec. Indian Mus.*, **43** : 371, 1941 (Madhya Pradesh). Menon, *Rec. Indian Mus.*, **47** : 232, 1949 (Kosi river E. Nepal). Munro (in part), *Marine and F. W. Fish. Ceylon*, p. 42, 1955 (Ceylon). Misra (in part) *Rec. Indian Mus.*, **57** : 143, 1959 (Assam, Manipur, W Bengal. Sikkim, Peninsular India, Travancore, Kochi). Menon, *Rec. Indian Mus.*, **52** : 22, 1954 (Manipur). De Witt, *Stanford Ichth. Bull.*, **7**(4); 84, 1960 (Manipur). Menon, *J. zool. Soc. India*, **14**(1), 25, 1962 (Chindwin, Brahmaputra, Kosi drainages). Mendis and Fernando (in part), *Guide Freshwater Faun. Ceylon*, p. 110, 1962. Jayaram and Majumdar, *J. Bombay nat. Hist. Soc.*, **61**(2) 267, 1964 (Kameng Frontier, Arunachal Pradesh). Menon, (in part), *Inland Fish. Soc. India Spl.*

*Publ.*, No. 1 : 15, 1974 (India, Bangladesh, Burma, Thailand and Ceylon). Shrestha, *Fish. Nepal*, p. 53, 1981. Jayaram, (in part), *HBFW Fish. India*, p. 80, 1981 (Eastern Himalaya, Meghalaya, Deccan). Talwar and Jhingran, *Inland Fish.*, 1 : 365, 1991 (India, Nepal, Sri Lanka, Bangladesh, Burma and Thailand). Barman, (in part), *Rec. zool. Surv. India*, No. 137 : 22, 1991 (India, Sri Lanka, Pakistan, Bangladesh, Burma, Thailand and China), Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 64, (Sri Lanka).

*Danio (Danio) aequipinnatus* Datta and Majumdar, *Rec. zool. Surv. India*, 62 (1 & 2) : 77, 1970 (Rajasthan). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. 64 : 42, 1985.

*Danio strigillifer* Myer, *Amer. Mus. Novit.*, (150) : 1, 1924 (Upper Burma).

*Danio dayi* Sen and Dey, *J. Assam, Sci. Soc.*, 27(2) : 61, fig. 1, 1988. (Type-locality : Umroi stream, Khasi hills, Meghalaya).

*Distribution* : Throughout India. Nepal. Bangladesh. Burma, and Thailand.

*Habitat* : Clear streams and rivulets at foot hills.

*Size* : 8.5 cm SL.

#### 46. *Danio dangila* (Hamilton)

*Cyprinus dangila* Hamilton, *Fish. Ganges* pp. 321, 309, 1822 (Type-locality : Mountain streams of Monghyr, Bihar).

*Perilampus reticulatus* McClelland, *Asiat. Res.*, 290, 397, pl. 45, fig. 1, (from Hamilton's Ms. drawings) 1839.

*Danio dangila* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 282, 1868, (Rocky streams in Bihar). Day, *Fish. India*, p. 596, pl. 150, fig. 3, 1878 (Bengal, Bihar, Himalayas at Darjeeling, also the Akyab). Day, *Faun. Brit. Ind. Fish.*, 1 : 356, 1889. Hora and Mukerji, *Rec. Indian Mus.*, 37 : 383, 1931 (Naga hills, Assam). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 27, 1937 (clear streams Terai and Duars, N. Bengal). Hora and Gupta *J. Asiat. Soc. Beng.*, 3(6) : 78, 1940 (Kalimpong Duars and Siliguri Terai). Menon, *Rec. Indian Mus.*, 47 : 232, 1949 (Chhatre, E. Nepal). Menon, *Rec. Indian Mus.*, 52 : 22, 1954 (Manipur). De Witt, *Standard Ichth. Bull.*, 7(4) : 84, 1960 (Manipur). Menon, *J. zool. Soc. India*, 14(1) : 26, 1962 (Chindwin drainage, Brahmaputra, Kosi, Bagmati and Gandak drainages. Jayaram, *HBFW Fish. India*, p. 80, 1981 (Bihar, Bengal, E. Himalayas, Bangladesh, Nepal, Burma, Akyab). Talwar and Jhingran, *Inland Fish.*, 1 : 366, 1991 (Assam, Meghalaya, Arunachal Pradesh, Manipur, West Bengal, Bihar, Madhya Pradesh, Uttar Pradesh, Bangladesh, Burma and Nepal). Barman, *Rec. zool. Surv. India Occ. Pap.*, No. 137 : 38, 1991 (North and

North Eastern India, Bangladesh, Nepal and Burma).

*Danio (Danio) dangila*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 16, 1974 (Uttar Pradesh, Bihar, W Bengal, Bangladesh, Assam and Burma).

*Danio feegradei* Hora, *Rec. Indian Mus.*, 39(4) : 325, fig. 3, 1937, (Type-locality : Sandoway, Upper Burma). Myers, *Aquar. J.*, 24(10) : 237, 1953. Barman, *J. Bombay nat. Hist. Soc.*, 84(1) : 232, 1987.

*Distribution* : India : North and Notheastern India, Bangladesh, Nepal and Burma.

*Habitat* : Hill streams

*Size* : 8.3 cm SL.

#### 47. *Danio devario* (Hamilton)

*Cyprinus (Cabdio) devario* Hamilton, *Fish. Ganges*, pp. 341, 393, pl. 6, fig. 94, 1822 (Type-locality : rivers and ponds of Bengal).

*Perilampus devario*, McClelland, *Asiat. Res.*, 19(2) : 289, 392, pl. 45' Fig. 3, 1839 (Assam, Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 468, 1842.

*Leuciscus devario*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 446, 1842. Bleeker, *Verh. Bat. Gen.*, 25 : 66, 1853.

*Devario macclellandi* Bleeker, *Ichth. Arch. Ind. Prodr.*, 2 : 285, 1860.

*Devario cyanotaenia* Bleeker, *Ichth. Arch. Ind. Prodr.*, 2 : 283, 1860.

*Danio devario*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 284, 1868 (Bengal). Day, *Proc. zool. Soc. Lond.*, 377, 1869. Beavan, *HBFW Fish. India*, p. 88, 214, 1877 (N. India, Assam). Day, *Fish. India*, pp. 594, 595, pl. 150, fig. 4, 1878 (Sind, Orissa, Bengal, N.W Provinces, Deccan, Punjab and Assam). Day, *Faun. Brit. Ind. Fish.*, 1 : 354, 1889. Fowler, *Proc. Acad. nat. Sci. Philad.* 16 : 74, 1924 (Dehradun, Beas river, Himalayan tributary of Ganges at Dehradun). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 137, 1937 (Terai and Duars, N. Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.*, 6 : 78, 1941 (Kalimpong Duars and Siliguri Terai, N. Bengal). Menon, *Rec. Indian Mus.*, 47(2) : 232, 1950 (Nepal). Chauhan and Ramakrishna, *Rec. Indian Mus.*, 51(3) : 396, 401, 1954 (Balangir Dist., Orissa). Dewitt., *Stanford Ichth. Bull.*, 7(4) : 84, 1960 (Nepal). Misra, *Rec. Indian Mus.*, 57(1-4) : 52, 144, 1962 (Assam, W Bengal, Eastern Himalaya, Punjab, U.P., Western Himalaya, Bihar, Orissa, M.P., Ahmedabad, Pakistan). Menon, *J. zool. soc. India*, 14, (1) : 26, 1963 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Indus drainages). Mahajan, *J. Bombay nat. Hist. Soc.*, 62(3) : 448, 1966 (Muzaffarnagar Dist., U.P.). Srivastava, *Fish. East. U.P.*, p. 36, fig. 21, 1968 (Deorig Dist). Tilak, *Rec. zool. surv. India*,

65 (1-4) : 186, 191, 209, 1971 (River Tawi and tributaries, J and K). Pillai and Yazdani, *Rec. zool. Surv. India.*, **72** : 49, 1977 (Barabil river near Rajabola, Someswar river at Baghmara, Garo hills, Meghalaya). Talwar and Jhingran, *Inland Fish.*, **1** : 367, fig. 130, 1991 (Northern India to the Krishna-Godavary river system; Nepal and Bangladesh). Barman, *Rec. zool. India Occ. Pap.*, No. 137 : 41, 1991 (North India, Deccan).

*Danio (Danio) devario*, Sehgal *et al.*, *J. Inland Fish. Soc. India*, **3** : 66, 68, 1971 (Kaptra valley). Venkateswarulu, *Indian J. zool.*, **13**(3) : 121, 1972 (Bihar). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 17, 1974 (N. India, Nepal, Deccan). Jayaram, *HBFW Fish. India*, **80**, 1981 (North India, Krishna, Godavari river systems, Deccan, Bangladesh, Nepal, Pakistan).

*Distribution.* : Pakistan. India : throughout northern and northeastern India to Krishna and Godavary systems in Deccan. Nepal and Bangladesh.

*Habitat* : Rivers and ponds in the plains and submontaine regions.

*Size* : 6.2 cm SL.

#### 48. *Danio fraseri* Hora and Mukerji

*Danio fraseri* Hora and Mukerji, *Rec. Indian Mus.*, **37** : 378, text-fig. 3, 1935 (Type-locality : Deolali, Nasik Dist., Bombay presidency). David, *Proc. nat. Acad. Sci.*, **33** : **13** (2) : 277, 1963 (Godavary). Jayaram, *HBFW Fish. India*, p. 80, 1981 (R. Darna, Deolali, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 368, 1991 (Nasik Dist. Maharashtra). Barman, *Rec. zool. Surv. India Occ. Pap.*, No. 137 : 44, 1991 (Maharashtra).

*Distribution* : Maharashtra : Nasik district.

*Habitat* : Clear hill streams.

*Size* : 6.7 cm SL.

*Status* : Rare

#### 49. *Danio horai* Barman

*Danio (Brachydanio) horai* Barman, *Curr. Sci.*, **52**(4) : 177, fig. 1, 1983, (Type-locality : Namdapha river., Tirap Dist., Arunachal Pradesh). Barman, *Rec. zool. Surv. India Occ. Pap.*, No. : 137 : 47, 1991 (Arunachal Pradesh).

*Distribution* : India : Arunachal Pradesh (Namdapha river, Brahmaputra drainage).

*Habitat* : Hill streams.

*Size* : 2.8 cm SL.

*Status* : Rare

50. *Danio malabaricus* (Jerdon)

*Perilampus malabaricus* Jerdon, *Madras J. Lit. Sci.*, **15** : 325, 1849 (Type-locality : Malabar)

*Perilampus canarensis* Jerdon, *Madras J. Lit. Sci.*, **15** : 325, 1849.

*Danio micronema* Bleeker, *Mem. Soc. Holl. Haarlem*, p. 19, pl. 4, fig. 2 & 3, 1864. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 282, 1868 (Ceylon, Indian Peninsula). Day, *Proc. zool. Soc. India*, p. 560, 1869.

*Paradanio aurolineatus* Day, *Proc. zool. Soc. Lond.*, p. 246, 1867.

*Danio malabaricus* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 283, 1868 (Malabar). Day, *Fish. India*, p. 595, pl. 150, fig. 7, 1878 (Western coast of India and Ceylon). Day, *Faun. Brit. Ind. Fish.*, **1** : 355, 1889. Pillai, *J. Bombay nat. Hist. Soc.*, **33** : 357, 1929 (Parappar, Travancore). John, *J. Bombay nat. Hist. Soc.*, **38**(4) : 707, 1936 (Travancore). Bhimachar and Subba Rau, *J. Mys. Univ.*, **1** : 145, 146, 1941 (river Badhra near Hebbe, river Tunga near Hariharapur, Karnataka state). Jayaram *Ichthyol. Explor. Freshwaters*, **2**(2) : 109, 1991 (Systematic status). Talwar and Jhingran, *Inland Fish.*, **1** : 370, 1991 (Western coast and Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 66, 1991 (widely distributed throughout low lands).

*Eustira ceylonensis* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 331, 1868 (Ceylon). Silas, *Copeia* (1) : 61, fig. 1, 1957.

*Perilampus ceylonensis*, Day, *Fish. India*, p. 599, 1878 (Ceylon). Day, *Faun. Brit. Ind. Fish.*, **1** : 361, 1889 (Ceylon).

*Danio malabaricus*, Hora and Mukerji, *Rec. Indian Mus.*, **36**(1) 134.

**Distribution** : India : Peninsular India : From headwaters of Krishna river in Maharashtra to Kerala. Sri Lanka.

**Habitat** : Mountain streams to streams in the plains. Rarely in tanks and rice fields.

**Size** : 8.0 cm SL., rarely 12.0 cm.

51 *Danio manipurensis* Barman

*Danio manipurensis* Barman, *J. Bombay nat. Hist. Soc.*, **84**(1) 172, 1987 (Type-locality Manipur, India). Barman, *Rec. zool. Surv. India Occ. Pap.*, No. 137 50, 1991 (Manipur).

**Distribution** : India Manipur.

**Habitat** : Clear hill streams.

**Size** : 3.8 cm SL.

### 52. *Danio naganensis* Chaudhuri

*Danio naganensis* Chaudhuri, *Rec. Indian Mus.*, 7 : 441, pl. 40, fig. 1, 1a, 1b, 1912 (Type locality Lungting river, Naga hills, Assam). Hora, *Rec. Indian Mus.*, 22 : 175, 1921 (Manipur). Hora and Mukerji, *Rec. Indian Mus.*, 37 : 387, 1935 (Naga hills, Assam). Hora, *Rec. Indian Mus.*, 38 : 318, 1936 (Naga hills, Assam). Menon, *Rec. Indian Mus.*, 52:22, 1954 (Manipur). Menon, *J. zool. Soc. India*, 14(1) : 26, 1926 (Chindwin drainage). Jayaram, *HBFW Fish. India*, p. 80, 1981 (Naga hills and Manipur). Talwar and Jhingran (in part), *Inland Fish.*, 1 : 371, 1991. (Nagaland. Manipur excluded). Barman, *Rec. zool. Surv. India Occ. Pap.*, No. 137 : 52, 1991 (Nagaland. Manipur excluded)

*Danio (Danio) naganensis*, Menon, *Inland Fish. Soc. India Spl., Publ.*, No. 1 : 17, 1974 (Naga hills. Manipur excluded) Sen., *Rec. zool. Surv. India Occ. Pap.*, No. 64 : 40, 1985 (Naga hills, Nagaland).

*Distribution* : India : Nagaland (Naga hills).

*Habitat* : Clear hill streams.

*Size* : 5.7 cm SL.

### 53. *Danio neilgherriensis* (Day)

*Paradanio neilgherriensis* Day, *Proc. zool. Soc. Lond.*, p. 296, 1867 (Type-locality : Neilgherry hills). Karmakar and Datta, *Rec. zool. Surv. India Occ. Pap.*, No. 98, 1988 (Bastar Dist., M.P.). Talwar and Jhingran, *Inland Fish.*, 1 : 37, 1991 (Nilgiri, Arunachal Pradesh).

*Danio (Danio) neilgherriensis*, Jayaram, *HBFW Fish. India*, p. 80, 1981 (Nilgiri hills, S. India.)

*Danio neilgherriensis*, Barman, *Rec. zool. Surv. India Occ. Pap.*, No. 137 : 54, 1991 (Tamil Nadu., M.P. and Arunachal Pradesh).

*Distribution* : India Nilgiri hills. Madhya Pradesh and Arunachal Pradesh. The specific identity of Arunachal Pradesh and M.P. forms need further confirmation.

*Habitat* : Hill streams.

*Size* : 5.8 cm SL.

### 54. *Danio regina* Fowler

*Danio malabarica* (nec Jerdon) Vinciguerra, *Ann. Mus. Civ. Storia Nat. Genova*, (2) 9 : 303, 1890 (Type-locality Burma). Masya and Indrambarya, *J. Siam. Soc. nat. Hist. Suppl.*, 8 : 280, 1932 (Koh Samui).

*Danio regina* Fowler, *Proc. Acad. Nat. Sci. Philad.*, 86 : 342, fig. 4, 1934 (Sritamarat, Thailand). Talwar and Jhingran, *Inland Fish.*, 1 : 372, 1991 (India Assam, Burma, Thailand and Northwestern Malaya).

*Danio (Danio) regina*, Smith, *FW Fish. Siam or Thailand*, p. 97, 1945 (Thailand).

*Danio (Danio) assamensis* Barman, *Bull. Zool. Surv. India*, 6 : 163, 1985 (Type-locality : Darrang Dist. Assam). Tilak and Jain *J. Bombay nat. Hist. Soc.*, 85(1) : 208, 1988.

*Danio assamensis*, Barman, *Rec. Zool. Surv. India Occ. Pap.*, 137 : 33, 1991 (Assam).

*Distribution* : India : Assam. Burma and Thailand.

*Habitat* : Hill streams with sandy bed.

*Side* : 7.8 cm SL.

#### 55. *Danio rerio* (Hamilton)

*Cyprinus rerio* Hamilton, *Fish-Ganges*, P.323, 1822 (Type-locality : R. Kosi, Bihar).

*Cyprinus (Danio) chapalio* Hamilton, *Fish. Ganges*, pp. 324, 390, 1822. (Ponds of Bengal).

*Perilampus striatus* Mc Clelland, *Asiat. Res.*, 19(2) : 290, pl. 46, fig. 1, 1839.

*Nuria rerio*, Bleeker, *Verh. Bat. Gen.*, 25 : 62, 1853.

*Danio lineatus* Day, *Proc. zool. Soc. Lond.*, p. 198 : 1868. Day, *Proc. zool. Soc. Lond.*, p. 378, 1869.

*Barilius rerio* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 292, 1868 (Bengal). Beavan *HBFW Fish. India*, pp. 89, 215, 1877 (Madras, Bengal).

*Danio rerio*, Day, *Fish. India*, pp. 595, 597, pl. 51, fig. 4, 1878 (Bengal and as low down as Coramandal coast at Masulipatnam). Day, *Faun. Brit. Ind.*, 1 : 354, 358, 1889. Lal and Chatterjee, *J. zool. Soc. India*, 14(2) : 241, 1961 (Eastern Doon). Singh, *Ichthyol.*, 3(1-2) : 86, 1964 (Doon Valley). Tandon and Sharma *Res. Bull. Punjab. Univ.*, 16(4) : 335, 1965 (river Ghaggar in the vicinity of Chandimandir). Johal and Tandon, *Res. Bull. Punjab Univ.*, 32 : 149, 1981 (Punjab). Barman, *Rec. zool. Sur. India Occ. Pap.*, 137 : 57, 1991 (India, Pakistan, Bangladesh, Burma, Sri Lanka and Nepal).

*Danio (Brachydanio) rerio*, Hora and Mukerjee, *Rec. Indian Mus.*, 38(2) : 133, 1936 (Eastern Doon). Hora and Gupta, *J. Asiat. Soc. Beng., Sci.*, 6 : 79, 1942 (Kalimpong Duars and Siligiri Terai, N. Bengal). Menon, *J. zool. Soc. India*, 14(1) : 26, 1963 (Brahmaputra, Bagmati, Gandak, Rapti, Karnal, Kali,

Ramganga, Ganges, Jamuna and Indus drainages). Venkateswarlu, *Indian J. zool.*, **13**(3) : 120 1972 (Bihar). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 16, 1974 (India, Pakistan, Bangladesh, Burma). Jayaram and Majumdar, *Rec. zool. Surv. India*, **69** : 308, 311, 1976 (Mahanadi). Yazdani, *J. Bombay nat. Hist. Soc.*, **74**(1) : 19, 1977 (Khasi hills, Meghalaya). Pillai and Yazdani, *Rec. zool. Surv. India*, **72** : 4, 9, 1977 (Bamandanja streams, Holaidanga nallah, Someswari river at Baghmara, Dabigiri, Stream at Daina dubi, Garo hills, Meghalaya). Grover and Gupta, *Proc. nat. Acad. Sci. India*, p. 47 (4) : 211, 1977 (Bawads, U.P.) Jayaram, *HBFW Fish. India*, p. 80, 1981 (Eastern India from Bengal upto Krishna river system, Nepal, Bangladesh, Pakistan). Shrestha, *Fish. Nepal*, p. 52, fig. 25, 1981. Sharma and Kulashrestha, *J. zool. Soc. India*, **33** (1-2) : 64, 1982 (Kota Dist., Rajasthan).

*Brachydanio rerio*, Hora, *Rec. Indian Mus.*, **39**(4) : 339, 1937 (Nandhave and Kalauma rivers Kumaon Himalayas). Hora, *Rec. Indian Mus.*, **40** : 173, 1938 (Rajmahal). Chauhan and Ramakrishna, *Rec. Indian Mus.*, **51**(3) : 396, 401, 1954 (Balangi Dist., Orissa). Tilak, *Rec. zool. surv. India*, **66** (1-4), 278, 285, 1972 (Rorathong near Pakyang, Sikkim). Tilak, *Cheetal*, **15**(4) : 35, 1973 (N. Bengal). Talwar and Jhingran, *Inland Fish.*, **1** : 360, 1991.

*Distribution* : Throughout India, Pakistan, Nepal, Bangladesh and Burma.

*Habitat* : In slow moving streams, ponds and rice fields. Common in rivulets at foot hills. Introduced into Sri Lanka.

*Size* : 3.8 cm SL.

#### Genus 14 : *Esomus* Swainson

*Esomus* Swainson, *Nat. Hist. Fish.*, **2** : 185, 285, 1839 (type, *Esomus vittatus* Swainson = *Cyprinus danrica* Hamilton).

#### 56. *Esomus danricus* (Hamilton)

*Cyprinus (Danio) danrica* Hamilton, *Fish. Ganges*, pp. 325, 390, pl. 16, fig. 88, 1822 (Type-locality : ponds and ditches of Bengal).

*Cyprinus (Danio) sutiha* Hamilton, *Fish. Ganges*, pp. 327, 391, 1822 (Kosi).

*Cyprinus (Danio) jokia* Hamilton, *Fish. Ganges*, pp. 326, 391, 1822, (ponds of Gorkhpur Dist.)

*Perilampus recurvirostris* McClelland, *Asiat. Res.*, **19**(2) : 290, 398, pl. 46, fig. 2, 1839.

*Perilampus macrourus* McClelland, *Asiat. Res.*, **19**(2) : 291, 398, pl. 46, fig. 3, 1839.

*Perilampus thermophilus* McClelland, *Asiat. Res.*, **19**(2) : 291, 399, pl. 54, fig. 19, 1839.

*Esomus vittatus* Swainson, *Nat. Hist. Fish.*, **2** : 285, 1839.

*Nuria thermophilos*, Valenciennes (in C & V) *Hist. Nat. Poiss.*, **16** : 240, 1842.

*Nuria danrica*, Bleeker, *Verh. Bat. Gen.*, **25** : 62, 130, 1853 (Bengal). Gunther (in part), *Cat. Fish. Brit. Mus.*, **7** : 200, 1868 (East Indian continent, Ganges. Ceylon and Madras excluded). Day (in part), *Proc. zool. Soc. Lond.*, p. 588, 1869 (Burma). Beavan, *HBFW Fish. India*, pp. 82, 214, 1877 (India). Day (in part), *Fish. India*, 583, 1870 (India, Burma, Nicobars. Ceylon excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 334, 1889. Annandale, *Rec. Indian Mus.*, **1**(1) : 41, 1907 (Brackish ponds at port canning Lower Bengal). Chaudhuri, *Rec. Indian Mus.*, **8** : 251, 1913 (Abor hills, Assam). Fowler, *Proc. Acad. nat. Sci. Philad.*, **76** : 74, 1924 (Sutlej near Loudiana, Ganges tributary at Dehra Dun).

*Esomus danrica*, Bleeker, *Atl. Ichth. Cypr.*, **3** : 32, 1863. Weber and De Beaufort, *Fish. Indo. Austral. Archipel.*, **3** : 83, fig. 30, 1916 (Singapore, British-India, Nicobar. Ceylon excluded). Sinha and Shiromany, *Rec. Indian Mus.*, **51**(1) : 62, 1954 (Kalinadi, Meerut). Misra, *Rec. Indian Mus.*, **57**, 145, 1962 (Assam, W Bengal Punjab, U.P. Bihar, M.P., Orissa, Ahmadabad, Pakistan, Bangladesh, Madras. Burma excluded). De Witt., *Stanford. Ichth. Bull.*, **7**(4) : 71, 1960 (Nepal). Motwani, Jayaram and Seghal, *Trop. Ecol.*, **13**(1-2) : 56, 1967 (Budhanala, Punjab). Thind and Tandon, *Res. Bull. Punjab Univ.*, **20**(3-4) 308, 1969, (Sangrur Dist., Punjab). Tilak, *Rec. Zool. Surv. India*, 65(1-4) 186, 191, 1971 (River Tawi and its tributaries, J and K). Banarescu and Nalbant, *Khumbu Himal.*, **4**(2) : 233, 1972 (Nepal). Tandon and Johal, *Res. Bull. Punjab Univ.*, **23**(1-2) : 46, 1972 (Ropar Dist., Punjab). Jayaram and Majumdar, *Rec. zool. Surv. India*, **69** : 311, 1976 (Mahanadi). Pillai and Yazdani, *Rec. zool. Surv. India*, **72** : 4, 10, 1977 (river near Phulbari, Holaidanga nullah, Garo hills, Meghalaya).

*Nuria danrica grahmi*, Chaudhuri, *Rec. Indian Mus.*, **7**(5) : 440, pl. 39, fig. 3, 1912 (Kalinadi, Meerut.)

*Esomus thermophilos*, Ahl. *Mitt. zool. Mus. Berlin*, **11** : 40-42, 1923.

*Esomus sutiha*, Ahl, *Mitt. zool. Mus. Berlin*, **11** : 40-42, 1923.

*Esomus jogia*, Ahl. *Mitt. zool. Mus. Berlin*, **11** : 40-42, 1923.

*Esomus lineatus*, Ahl, *Mitt. zool. Mus. Berlin*, **11** : 40-42, 1923.

*Esomus danricus*, Hora and Mukerji, *Rec. Indian Mus.*, 30:1-50, 1928. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 137, 1937 (N. Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.*, **6** : 79, 1941 (Kalimpong Duars and Siliguri Terai, N. Bengal). Hora, *J. zool. Soc. India*, **1**(1) : 7, 1949 (Rihand river, Mirzapur dist. U.P.) Sirkar, *J. Asiat. Soc. Beng.*, **19**(2) : 118, 1953 (Rajgir, Patna Dist, Bihar).

Chauhan and Rama Krishnan, *Rec. Indian Mus.*, **51**(3) : 396, 402, (Balangir Dist. Orissa). Motwani and David, *J. zool. Soc. India*, **9**(1) : 11, 1957 (river Sone). Menon, *J. zool. Soc. India*, **14**(1) : 26, 1963 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus drainages). Mahajan, *J. Bombay nat. Hist. Soc.* **62**(3) : 447, 1966 (Muzaffarnagar Dist, U.P. ). Srivastava, *Fish. East, U.P.*, **38** fig. 22, 1968 (Gonda, Gorkhpur Dist.). Menon, *Inland Fish. Soc. India Spl. Pub.*, No. 1 : 18, 1974 (N. India, Nepal). Dutt and Murthy, *Mem. Soc. zool.*, **1** : 75, 1976 (Lake Kolleru, A.P.). Mirza, *Proc. 1st. Pak. Congr. zool.* p. 11, 1980 (Punjab, Sind, Kashmir, Pakistan). Shrestha, *Fish. Nepal*, p. 59, fig. 26, 1981. Jayaram, *HBFW Fish. India*, p. 77, 1981 (N. India, Nepal, Bangladesh, Burma, Sri Lanka). Hussain and Tilak, *Rec. zool. Surv. India*, **81**(3-4) : 274, 1984 (Faizabad Dist). Talwar and Jhingran (in part), *Inland Fish*, **1** : 377, fig. 134, 1991 (India, Pakistan, Nepal. Sri Lanka and Burma excluded).

*Esomus danricus jabalpurensis* Rao and Sharma, *J. Bombay nat. Hist. Soc.*, **69**(2) : 434, fig. 1, 1972 (Pariat river, Jabalpur)

*Distribution* : Pakistan. India : Throughout Northern India. Nepal. Bangladesh.

*Habitat* : Ponds, ditches and irrigation canals.

*Size* : 12.5 cm TL.

#### 57. *Esomus malabaricus* Day

*Esomus malabaricus* Day, *Proc. zool. Soc. Lond.*, p. 299, 1867 (Type-locality : Trichur, Kerala).

*Nuria malabarica* Day (in part), *Proc. zool. Soc. Lond.*, p. 559, 1869.

*Nuria danrica* Day (in part), *Fish. India*, p. 583, 1878 (India : Malabar. Ceylon, Burma and Nicobar excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 334, 1889.

*Distribution* : India : Kerala.

*Habitat* : Ponds and streams.

*Size* : 12.5 cm TL.

#### 58. *Esomus manipurensis* Tilak and Jain

*Esomus manipurensis* Tilak and Jain, *J. Bombay nat. Hist. Soc.*, 86:408, 1989 (Type-locality : stream near Imphal, Manipur).

*Distribution* : India : Manipur.

*Habitat* : Small streams in the plains.

*Size* : 5.8 cm TL.

59. *Esomus thermoicos* (Valenciennes)

*Nuria thermoicos* Valenciennes, *Hist. Nat. Poiss.*, **16** : 238, pl. 472, 1842 (Type-locality : Hot springs at Kannya, Ceylon).

*Leuciscus barbatus* Jerdon, *Madras J. Lit. Sci.*, **15** : 322, 1849 (Type-locality : Bhavani river, S. India.)

*Esomus thermoicos*, Kner, *Novara Fische*, 6 p. 363, 1865. Hora and Mukerji, *Rec. Indian Mus.*, **30**(7) 44, fig. 2, 1928 (Ceylon). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 77, 1991

*Nuria danrica* (nec Hamilton) Gunther, *Cat. Fish. Brit. Mus.*, **7** : 200, 1868. Day (in part), *Fish. India*, p. 583, pl. 145, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 337, 1889. Sundara Raj, *Rec. Indian Mus.*, **12** : 259, 1916.

*Esomus barbatus*, Bhimachar and Rau, *J. Mys. Univ.*, **1** : 146, 1941 (Tank near Narasimharajapur, Mysore). Hora, *Rec. Indian Mus.*, **44**(2) 194, 1942 (Nilgiri hills). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28** (5B) 170, 1948 (Shimoga, Karnataka State). Rajan, *J. Bombay nat. Hist. Soc.*, **53**(1) : 45, 1955 (Bhavani river). David, *Proc. nat. Acad. Sci. India*, **313** (2) 277, 1963 (Krishna and Godavary). Jayaram, *HBFW Fish. India*, p. 78, 1981. (Tamil Nadu, Karnataka). Talwar and Jhingran, *Inland Fish.*, **1** : 376, 1991. (Tamil Nadu, Karnataka).

*Esomus danrica thermoicos* Deraniyagala, *Coloured Atlas vert. Ceylon*, **1** : 46, 1952 (Ceylon). Munro, *Marine and FW. Fish. Ceylon*, **42** : 7, fig. 108, 1955 (Ceylon). Mendis and Fernando, *Fish. Res. Stn. Dept. Fish. Ceylon Bull.*, No. 12 100, 1962 (Ceylon).

*Distribution* : Peninsular India Godavary and Krishna river systems to as far south as the tip of Peninsular India. Sri Lanka.

*Habitat* : More common in muddy ditches, ponds and canals than in flowing waters.

*Size* : 12.7 cm TL., usually 6.0 - 10.0 cm.

Genus 15 *Horadandia* Deraniyagala

*Horadandia* Deraniyagala, *J. Ceylon Br. Roy. Asiat. Soc.*, **35** (96) 158, 1943 (Type, *Horadandia atukorali* Deraniyagala).

60. *Horadandia atukorali* Deraniyagala

*Horadandia atukorali* Deraniyagala, *J. Ceylon Br. Roy. Asiat. Soc.*, **35**(96) 158, 159, 1943 (Type-locality Attidiya, Colombo, Ceylon). Deraniyagala, *Coloured*

*Atlas Vert. Ceylon*, 1 : 45, 1952 (Coastal plains of Ceylon). Munro, *Marine and FW. Fish. Ceylon*, 41 : 1955 (Ceylon). Mendis and Fernando, *Fish. Res. Stn. Dept. Fish. Ceylon Bull.*, No. 12 : 109, 1962 (Ceylon). Talwar and Jhingran, *Inland Fish.*, 1 : 379, 1991 (Ceylon). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 79, 1991 (Coastal Wet Zone).

*Horadandia atukorali brittani* Menon and Rema Devi, *TFH, Vol. XL(10)*: 175-176, 1992  
(Type-locality : Kerala)

*Distribution* : India : Kerala, Tamil Nadu : Madras & and Pondicherry. Sri Lanka.

*Habitat* : Ponds, rice fields and similar still waters, sometimes in slow moving waters.

*Size* : 3.0 cm TL., usually 1-2 cm.

*Status* : Rare.

#### Genus 16 : *Parluciosoma* Howes

*Parluciosoma* Howes, *Bull. Brit. Mus. nat. Hist.*, (zool.) 37(3) : 183, 1980 (Type, *Leuciscus argyrotaenia* Bleeker).

#### 61. *Parluciosoma daniconius* (Hamilton)

*Cyprinus daniconius* Hamilton, *Fish. Ganges*, p. 327, pl. 15, Fig. 89, 1822 (Type-locality : rivers of southern Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 325, 1842 (Bengal).

*Cyprinus anjana* Hamilton, *Fish. Ganges*, p. 328, pl. 15, fig. 89, 1822 (Purnia Dist.)

*Leuciscus daniconius*, McClelland, *Asiat. Res.*, 19(2) : 292, 1839.

*Leuciscus anjana*, McClelland, *Asiat Res.*, 19(2) : 1839.

*Leuciscus lateralis*, McClelland, *Asiat Res.*, 19(2) : 405 (from Hamilton's Ms. drawings) 1839.

*Opsarius daniconius*, Heckel, *Russ Res.*, 19(2) : 1043, 1843. Kner, *Novara Fische*, 6 : 358, 1865.

*Opsarius anjana*, Heckel, *Russ. Reis.*, 19 (2) 1 : 1043, 1843.

*Leuciscus dandria* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 17 : 309, 1844.

*Leuciscus malabaricus* Jerdon, *Madras J. Lit. Sci.*, 15 : 320, 1849 (Type-locality : Malabar).

- Leuciscus flavus* Jerdon, *Madras J. Lit. Sci.*, **15** : 321, 1849 (Type-locality : Carnatic, India).
- Rasbora malabarica*, Day, *Fish. Malabar*, p. 220, 1865 (Malabar).
- Rasbora zanzibarensis* Gunther (in Playfair and Gunther), *Fish. Zanzibar*, p. 119, pl. 17, fig. 4, 186, 1866 (Type-locality : Rovuma river, Zanzibar).
- Rasbora woolaree* Day, *Proc. zool. Soc. Lond.*, **14** : 298, 1867 (Type-locality : Bowany river, Nilgiris).
- Rasbora neilgherriensis* Day *Proc. zool. Soc. Lond.*, **14** : 298, 1867 (Type-locality : Bowany and Seegoor rivers and Billicul Lake, Nilgiri hills). Gunther, *Cat. Fish Brit. Mus.*, **7** : 197, 1868 (Nilgiris).
- Rasbora daniconius* Gunther (in part), *Cat. Fish. Brit. Mus.*, **7** : 194, 1868 (East Indian continent and archipelago, N.W Hindustan, N. India, Ceylon and Siam). Beavan, *HBFW Fish. India*, p. 81, 214, 1877 (Tanks and ponds). Day, *Fish. India*, p. 584, pl. 146, fig. 2 & 3, 1878 (India, Ceylon, Burma, Malaya, Zanzibar). Day, *Faun. Brit. Ind. Fish.*, **1** : 336, 1889. Hora and Mukerji, *Rec. Indian Mus.*, **38** : 133, 1936 (Eastern Doons). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 30, fig. 25, 1937 (clear but slow stream of Terai and Duars, N. Bengal). Menon, *Rec. Indian Mus.*, **47** : 232, 1949 (Nilktol near Chhatra, E.Nepal). Brittan, *Monog. Inst. Sci. and Tech.*, **3** : 135, 1954 (Revision). De Witt, *Stanford Ichth. Bull.*, **7**(4) : 84, 1960 (Nepal). David, *Proc. nat. Acad. Sci. India*, **33B**(2) : 277, 1963 (Godavary river). Menon, *J. zool. Soc. India*, **14**(1) : 1963 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus drainages). Srivastava, *Fish East. U.P.*, **55**, Fig. 36, 1968. (Ramgarh tal, Gorakhpur). Das and Nath, *Kashmir Sci.*, **8**(1-2) : 11, 1971 (Tawi, Jammu). Venkateswarlu, Rao and Murthy, *Indian J. zool.*, **16**(2) : 152, 1975 (Madras and its vicinity). Jayaram and Majumdar, *Rec. zool. Surv. India.*, **69** : 308, 312, 1976 (Mahanadi). Pillai and Yazdani, *Rec. zool. Surv. India*, **72** : 4, 10, 1977 (Barabil river near Rajabola, Garo hills, Meghalaya). Mirza, *Proc. 1st. Pak. Congr. zool.*, **11**, 1990 (NWFP, Punjab, Sind). Shrestha, *Fish. Nepal*, p. 26, fig. 47, 1981. Jayaram *et al.*, *Rec. zool. Surv. India Occ. Pap.*, No. 36: 42, 1982 (Cauvery R. System). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 127, 1991 (throughout the Island except in hills above 500m).
- Rasbora einthovenii* (*nec* Bleeker), Smith, *U. S. Nat. Mus. Bull.*, **188**: 114, 1945 (Thailand).
- Rasbora daniconius daniconius* Tilak, *Rec. zool. Surv. India*, **67** : 101, 1972 (Goa). Tilak and Sinha, *Zool. Jb. Syst.*, **106**: 179, 185, 1979 (M.P.). Husain and Tilak, *Rec. zool. Surv. India*, **81** (3-4) : 274, 1984 (Faizabad Dist.)

*Rasbora (Rasbora) daniconius daniconius*, Jayaram *HBFW Fish. India*, p. 84, fig. 43, 1981, (India, Pakistan, Nepal, Bangladesh, Sri Lanka, Burma. Malaya and Zanzibar excluded).

*Parluciosoma daniconius*, Howes, *Bull. Brit. Mus.*, 37(3) : 194, 1980. Talwar and Jhingran, *Inland Fish.*, 1 : 383, fig. 136, 1991 (Pakistan, India, Sri Lanka, Bangladesh, Burma and Mekong)

*Distribution* : Throughout India. Sri Lanka. Pakistan. Nepal. Bangladesh. Burma and Thailand.

*Habitat* : Clear but slow flowing streams, pools and ditches in the plains chiefly with sandy substrate.

*Size* : 10.0 cm TL.

#### 62. *Parluciosoma* (Mukerji)

*Rasbora labiosa* Mukerji, *Rec. Indian Mus.*, 37(3) : 376, figs. 1, 2, 1935 (Type-locality : Deolali, Maharashtra). Fraser, *J. Bombay nat. Hist. Soc.*, 39(3-4) : 696, 1938.

*Rasbora daniconius labiosa*, Brittan, *Monogr. Inst. Sci. Tech. Manila*, 3 : 137, 1954 (Deolali).

*Parluciosoma labiosa*, Talwar and Jhingran, *Inland Fish.*, 1 : 383, 1991 (Nasik dist.).

*Distribution* : India : Maharashtra : Nasik Dist.

*Habitat* : Hill streams.

*Size* : 8.5 cm TL.

#### Genus 17 : *Rasbora* Bleeker

*Rasbora* Bleeker, *Acta Soc. Sci. Indo-Neerl.*, 7 : 435, 1860, (type, *Cyprinus rasbora* Hamilton).

#### 63. *Rasbora caverii* (Jerdon)

*Leuciscus caverii* Jerdon, *Madras J. Lit. Sci.*, 15 : 320, 1849 (Type-locality : Cauvery river, southern India). Hora, *Rec. Indian Mus.* 39 : 26, 27, 1937 (Cauvery river, Coorg State, India).

*Rasbora daniconius* (nec Ham.), Day (in part), *Fish. India*, p. 584, 1878. Day, *Faun. Brit. Ind. Fish.*, 1 : 336, 1889. Bhimachar and Rau, *J. Mys. Univ.*, 1 : 146, 147, 1941 (Tank near Narashimharajpur, tank near Kuppa, Mysore). Hora, *Rec. Indian Mus.*, 44(2) : 194, 1942 (Nilgiri hills, Coorg).

*Rasbora caverii*, Brittan, *Monog. Inst. Sci. Tec.*, **3** : 144, 1954 (Mysore and Ceylon). Jayaram *HBFW, Fish. India*, p. 84, 1981 (Cauvery basin, Karnataka; Sri Lanka). Talwar and Jhingran, *Inland Fish.*, **1** : 388, 1991 (Peninsular India notably Karnataka in the Cauvery basin, Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 125, 1991 (throughout the Island).

*Distribution* : Peninsular India : Karnataka & Tamil Nadu (Cauvery drainage) & Tambraparni. Sri Lanka.

*Habitat* : Lowland forest streams and ponds to mountain streams.

*Size* : 7.0 cm TL.

*Status* : Rare.

#### 64. *Rasbora kobonensis* Chaudhuri

*Rasbora kobonensis* Chaudhuri, *Rec. Indian Mus.*, **8** : 251, pl. 7, fig. 2. 2a, 2b, 1913 (Type-locality : Kobo, Abor Dist. Assam, now Arunachal Pradesh). Brittan, *Monog. Inst. Sci. Tec.*, **3** : 147, 1954 (Revision). Menon, *J. zool. Soc. India*, **14**(1) 26, 1962 (Brahmaputra drainage). Menon, *Inland Fish. Soc India Spl. Publ.*, No. 1. 20, 1974 (Kobo. Dibrugarh excluded). Jayaram, *HBFW Fish. India*, 84, 1981 (Kobo, Abor Dist., Assam, now in Arunachal Pradesh). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. 64 46, 1985 (Abor hills, Assam and Meghalaya excluded).

*Distribution* : India Kobo, Abor hills, Arunachal Pradesh.

*Habitat* : Hill streams.

*Size* : 14.7 cm TL.

*Status* : Rare.

#### 65. *Rasbora rasbora* (Hamilton)

*Cyprinus rasbora* Hamilton, *Fish. Ganges* : pp. 329, 391, pl. 2, fig. 90, 1822 (Type-locality : Ponds of Bengal).

*Leuciscus rasbora*, McClelland, *Asiat. Res.*, **19**(2) : 292, 407, 1839 (Bengal and Assam).

*Leuciscus xanthogrammae* Jerdon, *Madras J. Lit. Sci.*, **15** : 321, 1849 (Type-locality Mysore and Carnatic).

*Leuciscus microcephalus* Jerdon, *Madras J. Lit. Sci.*, **15** : 321, 1849 (Type-locality Madras).

*Leuciscus presbiter* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 438, 1842 (Type-locality Bombay).

*Rasbora buchanani* Bleeker, *Ichth. Arch. Ind., Prodr.*, 2 : 451, 1860. Gunther, *Cat. Fish. Brit. Mus.*, 7 : 196, 1868. Day, *Fish. India*, p. 584, pl. 145, fig. 10, 1878 (Continent of India, Assam, Burma, Penang and Coromandal coast). Day, *Faun. Brit. Ind. Fish.* 1 : 337, 1889.

*Rasbora rasbora*, Hora, *Rec. Indian Mus.*, 22 : 187, 1921 (Assam). Brittan, *Mongr. Inst. Sci. Tech.* 3 : 42, 1954, (Revision). Sehgal, *J. Bombay nat. Hist. Soc.*, 53(1) : 726, 1955 (Assam). Menon, *J. Zool. Soc. India*, 14(1) : 26, 1962 (Chindwin and Brahmaputra drainages). Menon, *Inland Fish. Soc. India, Spl. Publ.*, No. 1 : 20, 1974 (West Bengal, Assam, Bangladesh, Burma and Thailand). Jayaram, *HBFW Fish. India*, p. 84, 1981 (Gangetic province, Pakistan, Bangladesh, Burma, Thailand. Coromandal coast excluded). Talwar and Jhingran, *Inland Fish.*, 1 : 390, fig. 139, 1991 (Pakistan. India : Gangetic province and Assam. Bangladesh. Burma and Thailand).

**Distribution** : India : West Bengal and Assam. Pakistan. Bangladesh. Burma and Thailand.

**Habitat** : Clear streams and ponds in the plains.

**Size** : 13.0 cm TL.

Subfamily : CYPRININAE  
Tribe : THYNNICHTHYINI  
Genus 18 : *Thynnichthys* Bleeker

*Thynnichthys* Bleeker, *Act. Soc. Sci. Indo-Neerl.*, 6 : 153, 1859 (Type, *Leuciscus thynnoides* Bleeker)

#### 66. *Thynnichthys sandkhol* (Sykes)

*Leuciscus sandkhol* Sykes, *Trans. Zool. Soc.*, 2 : 363, 1841 (Type-locality : Goreh river at Kullumb, Dukkun). Bleeker *Verh. Bat. Gen.*, 25 : 68, 1853.

*Mola sandkhol*, Day *Journ. Linn. Soc.*, 12 : 574, 1876.

*Thynnichthys sandkhol*, Day, *Fish. India*, p. 554, pl. 134, fig. 2, 1878 (Godavary, Krishna rivers and adjacent tanks). Day, *Faun. Brit. India, Fish.*, 1 : 289, 1889 (Godavary and Krishna rivers). Misra, *Rec. Indian Mus.*, 57 : 170, fig. 90, 1959 (Krishna, Godavary, Mahanadi). David, *Proc. Nat. Acad. Sci.*, 33B(2) 280, 1963 (Krishna, Godavary). Jayaram, *HBFW Fish. India*, 114, 1981 (Krishna, Godavary R. systems). Talwar and Jhingran, *Inland Fish.*, 1 : 299, fig. 104, 1991 (Krishna and Godavary R. Mahanadi excluded).

**Distribution** : Peninsular India : Deccan : Krishna and Godavary rivers.

**Habitat** : Rivers and adjacent tanks.

*Size* : 45.0 cm TL.

*Status* : Rare

Tribe : TORINI  
 Subtribe : TORINA  
 Genus 19 *Naziritor* Mirza and Javed

*Naziritor* Mirza and Javed, *Pakistan J. Zool.*, **17**(3) : 226, 1985 (Type : *Tor zhobensis* Mirza)

67. *Naziritor cheilynoides* (McClelland)

*Barbus cheilynoides* McClelland, *Asiat Res.*, **19**(2) : 271, 340, pl. 57, fig. 5, 1839 (Type-locality : Simla hills). Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1859. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 127, 1868 (Himalayas).

*Barbus chelynoides*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 201, 1842.

*Barbus chilinoides*, Day, *Fish. India*, p. 563, pl. 139, fig. 5, 1878 (Himalayas, Assam, Simla). Day, *Faun. Brit. Ind., Fish.*, **1** : 304, 1889.

*Puntius chilinoides*, Tandon, Mohindar and Johal, *Pb. Fish. Bull.*, **4**(1) : 27, 1980 (Budha Nullah). Johal and Tandon, *Res. Bull. Punjab Univ.*, **32** : 147, 1981 (Punjab). Jayaram, *HBFW Fish. India*, pp. 99, 104, 1981 (Himalayan foot hills and Ganges).

*Tor chilinoides*, Baloni and Grover, *Indian J. Forest*, **5**(2) : 1982 (Kedar valley, Chamba and Garhwal). Tilak and Boloni, *Rec. Zool. Surv. India*, **81**(3-4) : 257, 1984.

*Tor chelynoides*, Talwar and Jhingran, *Inland Fish.*, **1** : 302, fig. 105, 1991 (India : Ganga. Baluchistan, NWFP and Assam excluded).

*Distribution* : India Head water drainages of the Ganges. (Earlier known to occur all along Himalayas as far east as Assam).

*Habitat* : Fast-flowing mountain streams.

*Size* : 66.0 cm TL.

*Status* : Endangered.

Genus 20 *Neolissochilus* Rainboth

*Lissochilus* (*nec* Zittel, 1882), Weber and Beaufort, *Fish. Indo-Austral. Archipelago*, **3** : 167, 1916 (Type, *Lissochilus sumatranus* Weber and de Beaufort, inadmissible because it was employed by Zittel for a genus of fossil Molluscs).

*Acrossocheilus* Oshima, *Ann. Carnegie Mus.*, **12** : 206, 1919 (Type, *Gymnostomus formeranus* Regan). Referable to the Chinese species which is a closely related phylogenetic unit (Vide, Rainboth, 1985).

*Neolissochilus* Rainboth, *Beaufortia*, **35**, No. (3) : 26, 1985 (Type, *Barbus stracheyi* Day).

#### 68. *Neolissochilus hexagonolepis* (McClelland)

*Barbus hexagonolepis* McClelland, *Asiat. Res.*, **19** : 270, 271, 336, pl. 41, fig. 3, 1839 (Upper Assam). Day, *Fish. India*, p. 564, pl. 137, fig. 4, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 305, 1889. Chaudhuri, *Rec. Indian Mus.*, **8** : 249, 1913 (Abor Hills). Hora and Mukerji, *Rec. Indian Mus.*, **37** : 389, 1935 (Naga Hills, Assam). Hora, *Rec. Indian Mus.*, **38** : 318, 1936 (Naga Hills, Assam). Hora, *Rec. Indian Mus.*, **39** : 331, 1937. Menon, *Rec. Ind. Mus.*, **47** : 233, 1949 (Kokha Nullah and Tamur river near Tribeni, E. Nepal). De Witt, *Stanford Ichth. Bull.*, **7**(4) : 72, 1960 (Nepal).

*Barbus spinulosus* McClelland, *Calcutta J. Nat. Hist.*, **5** : 280, 1845. Rainboth, *Beaufortia*, **35**(3) : 29, 1985.

*Barbus dukai* Day, *Fish. India*, p. 564, pl. 143, fig. 3, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 306, 1889.

*Barbus hexasticus*, Chaudhuri, (*nec* McClell.). *Rec. Indian Mus.*, **8** : 249, 1913 (Abor Hills, Assam). Hora, *Rec. Ind. Mus.*, **22** : 186, 1921 (Naga Hills and Manipur Valley). Hora, *Rec. Ind. Mus.*, **26** : 27, 1924 (Garo-Hills, Assam). Prasad and Mukerji, (in part) *Rec. Ind. Mus.*, **31** : 200, text - fig. 7, 1929 (Indawgyi lake).

*Barbus (Lissocheilus) dukai* Shaw and Shebbeare, *J. Asiat. Soc. beng.*, **3** : 37, pl. 5, fig. 6, tex-fig. 3, 1937 (rivers and clear streams of the foot hills, Terai and Duars, N. Bengal).

*Barbus (Lissocheilus) hexagonolepis*, Hora, *J. Bombay nat. Hist. Soc.*, **42**(1) : 78, figs. 1-4, 1940 (Revision). Hora and Gupta, *J. Asiat. Soc. Beng.*, **6**(3) : 79, 1940.

*Barbus (Puntius) hexagonolepis*, Hora, *J. Bombay nat. Hist. Soc.*, **42**(1) : 81, 1940 (Systematic position).

*Acrossochelius hexagonolepis*, Misra, *Rec., Ind. Mus.*, **57** : 148, 1959. Menon, *J. Zool. Soc. India*, **14**(1) : 26, 1962 (Chindwin, Brahmaputra and Kosi drainages). Jayaram and Mujumdar, *J. Bombay nat. Hist. Soc.*, **61**(2) : 267, 1964 (Kameng Frontier Division, Arunachal Pradesh). Shrestha, *Fish. Nepal*, p. 19, 1981. Sen, *Rec. Zool. Surv. India Occ. Pap.*, **64** : 48, 1985 (Assam, E. Himalaya, W. Bengal, Nepal, Bangladesh, Pakistan, Malaya, Thailand, Malay-Archipelago).

*Neolissochilus hexagonolepis*, Talwar and Jhingran, *Inland. Fish.*, **1** : 229, 1991 (Eastern

Himalayas, Assam, Bangladesh, Nepal. Burma, Thailand, Malaysia, Sumatra and China excluded).

*Neolissochilus spinulosus*, Talwar and Jhingran, *Inland. Fish.*, **1** : 232, 1991.

*Distribution* : India : Eastern Himalayas, Assam. Bangladesh. Nepal.

*Habitat* : Fast flowing streams and rivers with rocky bottom.

*Size* : 60.0 cm TL.

*Status* : Endangered.

#### 69. *Neolissochilus wynaadensis* (Day)

*Barbus (Barbodes) wynaadensis* Day, *J. Linn. Soc.*, **11** : 528, 1873 (Vithry, Wynaad, Kerala). Day, *Fish. India*. p. 568, pl. 138, fig. 33 and pl. 139, fig. 2, 1878 (Vithry, Wynaad, Kerala). Day, *Faun. Brit. India Fish.*, **1** : 313, 1889.

*Puntius wynaadensis*, Jayaram, *HBFW Fish. India*, **103**, 1981. (Vithry, Wynaad, Kerala).

*Barbus wynaadensis*, Rainboth, *Beaufortia*, **35(3)** : 29, 1985.

*Neolissochilus wynaadensis* Talwar and Jhingran, *Inland Fish.*, **1** : 234, 1991.

*Distribution* : India : Kerala : Wynaad.

*Habitat* : Fast flowing streams and rivers with rocky bottom. \*

*Size* : 25.0 cm TL.

*Status* : Rare.

#### Genus 21 : *Tor* Gray

*Tor* Gray, *Ill Indian Zool*, **2** : 196, 1834 (Type, *Cyprinus tor* Hamilton = *Tor hamiltonii* Gray)

#### 70. *Tor khudree* (Sykes)

*Barbus khudree* Sykes, *Proc. Zool. Soc. Lond.*, p. 159, 1838 (Mota-Mola River, 8 miles east of Poona). Sykes, *Trans. Zool. Soc.*, **2** : 357, 1841 (Mota-Mola River, 8 miles east of Poona). Jerdon, *Madras J. Lit. Sci.*, **15** : 313, 1849. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853. Hora and Misra, *J. Bombay Nat. Hist. Soc.*, **40(1)** : 24, 1938 (Deolali). Hora, *J. Bombay Nat. Hist. Soc.*, **43(2)** : 167, 1942 (Colour, Sex Differences, weight up to 50 lbs., Mutta-Mulah, Poona)

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\* Pillay (1929) recorded *Barbus wynaadensis* from Tenmalai, Kerala, although the species was recorded only from the eastern drainages by Day (1878) who was the last to collect it from Vithry in the Cauvery drainage. A small independent population in the Western drainage of Tenmalai may prove to be a distinct species if at all the population still survives. The large barbans are facing extirpation in the Peninsula.

- Barbus hamiltonii* (nec Gray), Jerdon, *Madras J. Lit. Sci.*, **15** : 311, 312, 1849 (Freshwaters of Southern India).
- Barbus malabaricus* Jerdon, *Madras J. Lit. Soc.*, **15** : 312, 1849, (Mountain streams of Malabar). Day, *Fish. India*, p. 569, pl. 138, Fig. 3, 1878 (South Canara down the Western - Ghats to Travancore hills). Day, *Faun. Brit. Ind., Fish.*, **1** : 314, 1889.
- Barbus megalepis* Jerdon (nec McClelland), *Madras J. Lit. Sci.*, **15** : 311, 1849.
- Barbus neilli* Day, *Proc. Zool Soc. Lond.*, p. 581, 1868 (Thungabhadra river at Kurnool). Beavan, *HBFW Fish. India.*, p. 45, 1877 (Tamboodra R.). Day, *Fish. India*, p. 569, pl. 140, fig.4, 1878 (Tamboodra River, Kurnool). Day, *Faun. Brit. Ind. Fish.*, **1** : 314, 1889.
- Barbus longispinis* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 132, 1868 (Ceylon).
- Barbus mussullah*, Spencer and Prater (nec Sykes), *J. Bombay Nat. Hist. Soc.* **36**: 472, 1932 (Upper Krishna near Satara). Hora, (nec Sykes), *J. Bombay nat. Hist. Soc.*, **43(2)** : 164, 1943. Krishna River).
- Barbus (Tor) khudree*, Hora and Misra, *J. Bombay Nat. Hist. Soc.*, **40** : 24, 1938 (Mysore). Hora, *Rec. Indian Mus.*, **44(2)** : 195, 1942 (Mysore). Hora, *J. Bombay Nat. Hist. Soc.*, **44(1)** : 6, 1943 (Uhlas, Cis-Ghat Area, North of Bombay).
- Barbus (Tor) mussullah*, Hora (nec Sykes), *J. Bombay Nat. Hist. Soc.*, **44(1)** : 5, 1943 (Description, Cauvery and Bhavani Rivers).
- Barbus (Tor) khudree malabaricus*, MacDonal, *J. Bombay Nat. Hist. Soc.*, **44(3)** : 52, 1944 (South Canara, W. Ghats, Travancore hills).
- Tor khudree*, Rajan, *J. Bombay Nat. Hist. Soc.*, **53(1)** : 45, 1955 (Bhavani R.). Misra (in part), *Rec. Indian Mus.*, **57** (1-4), 149, 1959 (U.P., Orissa and Peninsular India. Orissa and U.P. excluded). David, *Proc. Nat. Acad. Sci.*, **33B(2)** : 280, 1963 (Krishna and Godavari Rivers). Kulkarni, *J. Bombay Nat. Hist. Soc.*, **75(3)** : 652, 1979 (Bhima, Krishna, Koyna and Indrayanai Rivers in Maharashtra). Sen and Jayaram, *Rec. Zool Surv. India, Occ. Pap.*, **39** : 7, 1982 (Peninsular India, South of R. Tapti). Jayaram (in part), *Rec. Zool. Surv. India Occ. Pap.*, **36** : 71, 1982 (Cauvery R). Talwar and Jhingran, *Inland Fish.*, **1** : 303, Fig. 106, 1991 (Deccan and entire Peninsular. Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 133, 1991 (Fast flowing rocky streams upto 1000 m). Menon, *J. Bombay nat. Hist. Soc.* **89(2)**: 210-228, 1992.

*Puntius (Tor) khudree*, Kalawar and Kelkar, *J. Bombay Nat. Hist. Soc.*, **53** : 672, 1955 (Kolhapur).

*Tor khudree malabaricus*, Kulkarni, *J. Bombay Nat. Hist. Soc.*, **53** : 672, 1955 (Kolhapur). Kulkarni, *J. Bombay Nat. Hist. Soc.*, **75(3)** : 652, 1978. Sen and Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, **39** : 13, 1981 (South Canara, Western Ghats, Travancore Hills).

*Tor mussullah (nec Sykes)*, Misra, *Rec. Indian Mus.*, **57** (1-4) : 149, 1959. Kulkarni, *J. Bombay Nat. Hist. Soc.*, **75(3)** : 652, 1979 (Systematics). Jayaram, *HBFW Fish. India.*, p. 124, 1981 (Cauvery, Bhavani and Ponni). Jayaram, *Rec. Zool. Surv. India. Occ. Pap.*, **36** : 72, 1982 (Cauvery R.)

*Puntius coorgensi* Jayaram, *Matsya*, **7** : 47, Fig. 1, 1981 (Young, Type-locality : Cauvery River at Coorg). Jayaram, *Rec. Zool. Surv. India Occ. pap.*, No. 135 : 90, 1991.

**Distribution** : Peninsular India : Deccan and the entire Peninsular. Sri Lanka.

**Habitat** : Rapid streams, rivers and mountain lakes; moves to smaller streams in higher reaches to spawn.

**Size** : Known to grow over a metre and 45 kg in weight but specimens more than 46.0 cm TL and weighing 22.5 kg have not been recorded in recent times. Usually 17.0-20.0 cm.

**Status** : Endangered.

#### 71. *Tor kulkarnii* Menon

*Tor kulkarnii* Menon, *J. Bombay Nat. Hist. Soc.*, **89(2)** : 210-228, pl. 1-3; figs. 1-5, 1992. (Type-locality : Darna River, Deolali).

**Distribution** : India : Maharashtra : Deolali.

**Habitat** : Rapid mountain streams.

**Size** : 20.8 cm SL.

**Status** : Rare.

#### 72. *Tor progeneius* (McClelland)

*Barbus progeneius* McClelland, *Asiat. Res.*, **19(2)** : 270, 334, pl. 56, Fig. 3, 1839 (Type-locality Assam). Hora, *Rec. Indian Mus.*, **38** : 328, Figs. 7-9, 1936 (R. Barak, between Nongba and Kalanaga, Naga Hills).

*Barbus (Tor) progeneius*, Hora, *J. Bombay Nat. Hist. Soc.*, **42** : 526, pl. and text figs.

1-3, 1942 (Assam).

*Tor progeneius*, Sen and Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, **39** : 11, 1982 (Northeastern Himalayas in Assam, Naga Hills and Manipur. Manipur excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 306, Fig. 108, 1991 (North-East Himalayas).

*Distribution* : India : Nagaland and Meghalaya (Brahmaputra System).

*Habitat* : Large rapid streams with rocky bottom.

*Size* : 64.0 cm SL., usually not more than 30.6 cm length.

*Status* : Endangered.

### 73. *Tor putitora* (Hamilton)

*Cyprinus putitora* Hamilton, *Fish Ganges*, pp. 303, 388, 1822 (Type-locality : Eastern parts of Bengal). Hora, *Mem. India Mus.*, **9(4)** : 1929.

*Cyprinus mosal* Hamilton, *Fish. Ganges*, pp. 306, 388, 1822 (R. Kosi). Gray, *Ill. Ind. Zool.*, **1** : pl. 39, fig. 1 (From Hamilton's MS drawings) 1830-32.

*Labeobarbus macrolepis* Heckel, *Fish. Caschmir.*, **60**, pl. 10, fig. 2, 1838 (Kashmir).

*Barbus macrocephalus* McClelland, *Asiat. Res.*, **19(2)** : 270, 335, pl. 55, fig. 2, 1839 (Rapid Rivers of Assam). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 204, 1842. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 131, 1868 (Assam).

*Barbus mosal*, Gunther (in part), *Cat. Fish. Brit. Mus.*, **7** : 130, 1868 (Mountain Streams of South of Himalayas and Hindukush).

*Barbus tor* Day (in part), *Fish. India*, p. 564, pl. 136, fig. 5, pl. 140, Fig. 1, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 307, fig. 107, 1889.

*Barbus putitora*, Annandale, *Rec. Indian Mus.*, **16** : 136, pl. 3, fig. 15, 1919 (Gauhati, Assam). Hora and Mukerji, *Rec. Indian Mus.*, **38** : 141, 1936 (Eastern Doons). Hora, *Rec. Indian Mus.*, **38** : 366, 1936. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 39, fig. 35, 1937. Hora, *Rec. Indian Mus.*, **39** : 44, 1937 (Nepal). De Witt, *Stanford Ichth. Bull.*, **7(4)** : 73, 1960 (Pokhra, Nepal).

*Barbus (Tor) putitora*, Hora, *J. Bombay Nat. Hist. Soc.*, **41(2)** : 272, 2pls. and 2 figs., 1939 (Systematic position). Menon, *Rec. India Mus.* **47** : 233, 1949 (Kokha nullah, Chartra, Eastern Nepal). Menon, *J. Bombay Nat. Hist. Soc.*, **48** : 539, 1948-49 (Kumaon Himalayas).

*Tor putitora*, Menon, *Rec. Indian Mus.*, **52** : 22, 1954 (Nepal). Misra, *Rec. Indian Mus.*, **57** : 150, 1959. Jayaram, *HBFW Fish. India*, **72** : 124, 1981. Shrestha, *Fish*

*Nepal*, p. 102, 1981. Sen and Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, **39** : 5, 1982. Talwar and Jhingran, *Inland Fish.*, **1** : 308, fig. 109, 1991 (Afghanistan, Pakistan, India, Nepal and Bangladesh).

*Tor (Tor) putitora*, Mirza and Javed, *Biologia, Spl. Suppl.*, p. 76, 1986 (Bajwat, Head Marala, R. Haro, Sun Sakesar, Mangla Lake, Tarbela Lake and Asad Kashmir).

*Distribution* : India : All along the base of the Himalayas including Kashmir. Pakistan. Bangladesh.

*Habitat* : Rapid streams with rocky bottom.

*Size* : Known to grow to 2.7 m, but maximum size recorded by Hora is 60.0 cm. These days specimen more than 30 cm and 5 kg in weight are rarely caught.

*Status* : Endangered

#### 74. *Tor tor* (Hamilton)

*Cyprinus tor* Hamilton, *Fish. Ganges*, pp. 305, 388, 1822 (Type-locality : R. Mahananda). Gray, *Ill. Ind. Zool.*, **2**, pl. 93, fig. 1 (from Hamilton's MS. drawings, 1834).

*Barbus megalepis* McClelland, *Asiat. Res.*, **19**(2) : 271, 337, 1839, (Northern parts of Bengal).

*Tor hamiltonii* Gray, *Ill. Ind. Zool.*, **2**, pl. 36, fig. 1, 1839.

*Barbus hexastichus* McClelland, *Asiat. Res.*, **19**(2): 269, 333, pl. 39, fig. 2, 1839 (Great rivers in the plains of India). Day (in part), *Fish India*, p. 565, pl. 136, fig. 4, 1878 (Kashmir, Sikkim and Assam). Day (in part), *Faun. Brit. Ind. Fish*, **1**: 308, 1889. Hora, *Rec. Indian Mus.*, **22**: 174, 1921 (Manipur). Prasad and Mukerji, *Rec. Indian Mus.*, **31**: 200, text fig. 7, 1929 (Indawgyi Lake, U. Burma).

*Barbus mosal* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16**: 200, 1842. Bleeker, *Verh. Bat. Gen.*, **25**: 60, 1853. Day, *Proc. Zool. Soc. Lond.*, p. 372, 1870. Gunther (in part), *Cat. Fish Brit. Mus.*, **7** : 130, 1868 (Mountain streams of south of Himalayas and Hindukush).

*Barbus tor*, Day (in part), *Fish. India.*, p. 364, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, **1**: 307, 1889. Hora and Mukerji, *Rec. Indian Mus.*, **37**: 383, 1935 (Naga Hills). Hora and Mukerji, *Rec. Indian Mus.*, **38**: 134, 139, fig. 1, 1936 (R. Barak, between Nongba and Kalanga, Naga Hills).

*Tor khudree*, (nec Skyes) Chauhan, *Rec. Indian Mus.*, **15**: 270, 1918 (R. Tel, Tributary of the Mahanadi, Orissa). Hora, *J. Zool. Soc. India*, **1**, No.6 : 1, 1949 (R.

Rihand, U.P.). Motwani and David, *J. Zool. Soc. India*, **9**, No. 1 : 11, 1957 (R. Sone, M.P.).

*Barbus (Tor) mosal*, Hora, *J. Bombay nat. Hist. Soc.*, **41**: 784, pl. 1 and 2, figs. 1-5, 1941 (Assam).

*Barbus (Tor) tor* Hora, *J. Bombay nat. Hist. Soc.*, **41**: 518, 1941 (Systematic position).

*Tor tor mosal (nec, Hamilton)* McClelland, *J. Bombay nat. Hist. Soc.*, **44**: 189, 1943 (Burma).

*Tor mosal mahanadicus* David, *J. Zool. Soc. India*, **5**(2): 246, 1953 (Type-locality Hirakud stretch, Mahanadi, Orissa).

*Tor tor*, Menon, *Rec. Indian Mus.*, **52**: 22, 1954 (Manipur). Motwani and David, *J. Zool. Soc. India*, **9**(1): 11, 1957 (R. Sone, M.P.). Misra, *Rec. Indian Mus.*, **57**: 150, 1959. Srivastava, *Fish. Eastern U.P.*, **57**, 1968 (Gorakhpur). Jayaram, *HBFW Fish. India*, **124**, 1981. Shrestha, *Fish. Nepal*, p. 104, 1981. Sen and Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, **39**: 9, 1982. Talwar and Jhingran, *Inland Fish.*, **1**: 309, fig. 110, 1991 (Sub-Himalayan range, Ganga, Narbada river system and Bangladesh).

*Tor mosal*, Tilak and Sharma, *Game Fish. India and Angling* **45**, fig. 7, 1982. Talwar and Jhingran, *Inland Fish*, **1**: 305, 1991.

**Distribution :** India : Assam and all along the foot hills of the Eastern and Central Himalayas as far as Jamuna system, higher reaches of the Mahanadi in Orissa and the Vindhyas and Satpura ranges of Madhya Pradesh. Bangladesh and Burma.

**Habitat:** Rapid streams with rocky bottom.

**Size:** Anglers recorded size is 1.7 m. weighing 45 kg but these days specimens more than 30 cm TL are rarely caught; usually 15 to 20 cm.

**Status:** Endangered.

Tribe	:	SYSTOMINI
Subtribe	:	OSTEOBRAMINA
Genus 22	:	<i>Osteobrama</i> Heckel

*Osteobrama* Heckel, *Ichth. in Russegger's Reisen in Europe, Asian and Africa*, **1**: 1033, 1842 (type, *Cyprinus cotio* Ham.).

*Rohtee (nec Sykes)* Hora and Misra, *Rec. Indian Mus.*, **42**(1): 155-172, 1940.

75. *Osteobrama bakeri* (Day)

*Rohtee bakeri* Day, *Proc. Zool. Soc.*, 240, 1873 (Type-locality : Kottayam in Travancore). Day, *Fish. India*, p. 586, pl. 147, fig. 1, 1878 (Kottayam in Travancore). Day, *Faun. Brit. Ind. Fish.*, 1: 340, 1889. Pillay, *J. Bombay nat. Hist. Soc.*, 33: 357, 1929 (Travancore). John, *J. Bombay nat. Hist. Soc.*, 38(4): 707, 1936 (Manimala River, Kottayam, Travancore). Hora and Law, *Rec. Indian Mus.*, 43: 237, 1941 (Travancore).

*Osteobrama bakeri*, Jayaram, *HBFW Fish. India*, p. 113, 1981 (Kottayam, Kerala). Talwar and Jhingran, *Inland Fish.*, 1: 237, 1991 (Kerala).

*Distribution* : India Kerala.

*Habitat* : Fast flowing rivers and streams.

*Size* : 11.0 cm TL.

*Status*: Rare.

76. *Osteobrama belangeri* (Valenciennes)

*Leuciscus belangeri* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 17: 99, 1843 (Type-locality : Bengal).

*Systemus microlepis* Blyth, *J. Asiat. Soc. Beng.*, 27: 289, 1858.

*Rohtee blythi* Bleeker, *Ichth. Arch. Ind. Prodr. Cyprini*, 2: 281, 1860.

*Osteobrama microlepis* Blyth, *J. Asiat. Soc. Beng.*, 29 : 158, 1860.

*Similiogaster belangeri* Gunther, *Cat. Fish. Brit. Mus.* 7 : 328, 1868 (Bengal).

*Rohtee microlepis*, Day, *J. Asiat. Soc. Beng.*, 40 : 139, 1871.

*Rohtee belangeri*, Day (in part), *Fish. India*, p. 587, pl. 147, fig. 4, 1878 (Burma. Godavari river excluded). Day (in part), *Faun. Brit. Ind. Fish.*, 1 : 342, 1889. Hora, *Rec. Indian Mus.*, 22 : 188, fig. 2a, 1921 (Manipur). Menon, *Rec. Indian Mus.*, 52 : 22, 1954 (Manipur).

*Osteobrama belangeri*, Menon, *J. Zool. Soc. India*, 14(1) 27, 1962 (Chindwin drainage). Jayaram, *HBFW Fish. India*. p. 113, 1981 (Manipur, Burma, Yunnan). Talwar and Jhingran, *Inland Fish.*, 1 : 237. 1991

*Osteobrama brevipectoralis* Tilak and Husain, *Mitt. Zool. Berl.*, 65(2) : 328, fig. 1-4, 1989 (Manipur).

*Distribution* India Manipur, Burma and Yunnan, S.W China.

*Habitat* : Rivers and lakes.

*Size* : 38.0 cm SL.

*Status* : Endangered.

**77. *Osteobrama cotio cotio* (Hamilton)**

*Cyprinus cotio* Hamilton, *Fish. Ganges*, p. 339, pl. 39, fig. 93, 1822 (Type-locality : Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17** : 76, 1843. Hora, *Mem. Indian Mus.*, **9**(4) : 7, 1929.

*Abramis cotis* McClelland, *Asiat. Res.*, **19**(2) : 288, 388, 1839.

*Abramis gangeticus* Swainson, *Nat. Hist. Fish.*, **2** : 285, 1839.

*Leuciscus cotio*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17** : 76 : 1843, Bleeker, *Verh. Bat. Gen.*, **25** : 66, 1853.

*Rohtee cotio*, Day (in part), *Fish. India*, p. 587, pl. 151, fig. 1, 1878 (Sind, throughout India except Malabar coast and south of Kistna). Day (in part), *Faun. Brit. Ind. Fish.* **1** : 340, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 58, fig. 55, 1937 (R. Apalchand in W Duars, N. Bengal). Hora, *Rec. Indian Mus.*, **40**(2) : 171, 1938 (Rajmahal Hills). Ranade, *J. Bombay nat. Hist. Soc.*, **51**(2) : 473, 1953 (Baroda).

*Osteobrama cotio*, Motwani and David, *J. Zool. Soc. India*, **9**(1) : 11, 1957 (River Sone). Misra, *Rec. Indian Mus.*, **57** : 164, 1959 (throughout India except Malabar and South of Krishna, W Punjab, E. Pakistan). Shrivastava, *Fish. East. U.P.* p. 45, fig. 28, 1968 (Eastern U.P.). Datta and Majumdar, *Rec. Zool. Surv. India*, **62**(1 & 2) : 90, 1970 (Rajasthan). Shrestha, *Fish. Nepal*, p. 79, 1981.

*Osteobrama cotio cotio*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No 1 : 36, 1974 (Assam, Bangladesh, W Bengal, Bihar, C.P., Punjab, U.P. and Pakistan). Jayaram, *HBFW Fish. India*, p. 113, 1981 (North India, Nepal, Pakistan and Bangladesh).

*Distribution* : India Northern India. Pakistan. Nepal and Bangladesh.

*Habitat* : Rivers, ponds, lakes and ditches.

*Size* : 15.0 cm, TL.

**78. *Osteobrama cotio cunma* (Day)**

*Osteobrama cotio* Day (*nec* Ham.), *J. Asiat. Soc. Beng.*, **29**: 158, 1860 (Type-locality Tenasserim).

- Leuciscus alfrediana* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17**: 488, 1843.
- Osteobrama alfrediana*, Beavan, *HBFW Fish. India*, p. 97, 1877.
- Rohtee cotio* var. *alfrediana* Day (in part), *Fish. India*, **587**, pl. 147, fig. 2, 1878 (Burma, India except Manipur excluded). Day (in part), *Faun. Brit. India Fish.*, **1**: 341, fig. 109, 1889.
- Rohtee cunma* Day, *Fish India Suppl.*, 807, 1888. Day, *Faun. Brit. Ind. Fish.*, **1**: 343, 1889.
- Rohtee alfrediana*, Hora, *Rec. India Mus.*, **22**: 188, 1921 (Manipur).
- Rohtee roeboides* Myer, *Amer. Mus. Novit.*, (150) 3, 1924 (Upper Burma).
- Rohtee cotio* var. *cunma*, Hora and Misra (in part), *Rec. Indian Mus.*, **42**(1): 168, pl. 4, fig. 1, 1940 (Burma and Manipur).
- Osteobrama cotio cunma*, Jayaram, *HBFW Fish. P. India*, 113, 1981 (Burma and Manipur). Talwar and Jhingran, *Inland Fish.*, **1**: 239, fig. 82, 1991.

*Distribution* : India; Manipur. Burma.

*Habitat* : Rivers and streams.

*Size* : 15.00 cm TL.

#### 79. *Osteobrama cotio peninsularis* Silas

- Rohtee cotio* var. *cunma* (*nec* Day) Hora and Misra (in part), *Rec. Indian. Mus.*, **42**(3): 168, 1940 (Peninsular India).
- Osteobrama cotio* var. *peninsularis* Silas, *Proc. nat. Inst. Sci. India*, **18**(5): 433, 1952 (Type-locality: Poona). Murthy, *Proc. Indian Acad. Sci.* **85**(3): 143, 1977. Talwar and Jhingran, *Inland Fish*, **1**:240, 1991 (Maharashtra, Orissa and Andhra Pradesh).

*Distribution* : India : Peninsular India Maharashtra, Orissa and Andhra Pradesh.

*Habitat* : Rivers and streams.

*Size* : 15.0 cm TL.

#### 80. *Osteobrama neilli* (Day)

- Rohtee neilli* Day, *Proc. Zool. Soc.*, 239, 1873 (Type-locality Bowany river). Day, *Fish. India*, P. 586, pl 46, fig. 5, 1878 (Bowany river at the base of Neilghery hills). Day, *Faun. Brit. Ind. Fish.*, **1**: 340, 1889. Hora and Misra, *J. Bombay*

*nat. Hist. Soc.*, 43(2): 221, 1942 (Poona). Fraser, *J. Bombay nat. Hist. Soc.*, 43(1): 82, 1942 (Poona : below Fitzgerald bridge).

*Rohtee duvancelli* (nec Val.), Hora, (*Rec. Indian Mus.*, 39: 17, 1937).

*Osteobrama neilli*, David, *Proc. nat. Acad. Sci. Ind.*, 33(2): 279, 1963 (Krishna river. Godavary excluded). Jayaram *HBFW Fish. P. India*, 113, 1981 (Bhavani river). Talwar and Jhingran, *Inland Fish.*, 1: 241, 1991 (Maharashtra, Karnataka, Tamilnadu).

*Distribution* : India : Krishna river (Deccan) and Pennar river in Cuddapah district, Andhra Pradesh. Not recorded from Nilgiris since 1942.

*Habitat* : Fast flowing clear streams and rivers.

*Size* : 12.0 cm TL.

*Status* : Endangered.

#### 81. *Osteobrama vigorsii* (Sykes)

*Rohtee vigorsii* Sykes, *Trans. Zool. Soc. Lond.*, 2: 364, pl. 63, fig. 3, 1841 (Type-locality: Bheema river at Pairgaon, Maharashtra). Day, *Proc. Zool. Soc.*, 379, 1869. Day, *Fish. India*, p. 587, pl. 147, fig. 3, 1878 (Deccan, Krishna, Godavary). Day, *Faun. Brit. India Fish.*, 1: 341, 1889. Fraser, *J. Bombay nat. Hist. Soc.*, 43(1): 82, 1942 (Poona). Hora and Misra, *J. Bombay nat. Hist. Soc.*, 43(2): 221, 1942 (Poona). David, *J. Zool. Soc. India*, 5, No. 2 : 253, 1953 (Mahanadi). Kalawar and Kelkar, *J. Bombay, nat Hist. Soc.*, 53(1): 673, 1955 (Kolhapur). Job, David and Das, *Indian J. Fish.*, 2(1): 34, 1955, (Hirakud Dam, Mahanadi).

*Leuciscus duvancelli* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 17: 77, p. 488, 1843 (Bombay). Hora and Misra, *Rec. Indian Mus.*, 42(1): 160, 1940 (Status discussed).

*Abramis vigorsii*, Jerdon, *Madras J. Lit. Sci.* 15: 319, 1849.

*Systomus vigorsii*, Bleeker, *Verh. Bat. Gen.*, 25: 62, 1853.

*Osteobrama rapax* Gunther, *Cat. Fish Brit. Mus.*, 7: 323, 1868 (Northern parts of Indian Peninsula).

*Osteobrama cotio*, Gunther (nec Hamilton), *Cat. Fish. Brit. Mus.*, 7: 323, 1868 (Dekkan).

*Rohtee dayi* Hora and Misra, *Rec. Indian Mus.*, 42(1): 162, 1942 (Type-locality : Godavari river, Andhra Pradesh).

*Osteobrama vigorsii*, Misra, *Rec. Indian Mus.*, 57 : 164, 1959 (Orissa, M.P., Deccan, Poona and Deolali, Krishna, Godavary). David, *Proc. nat. Acad. Sci.*, 33B(2)

: 279, 1963 (Godavary and Krishna). Jayaram, *HBFW Fish. India*, p. 113, 1981 (Krishna, Godavary, Poona). Talwar and Jhingran, *Inland Fish.*, 1 : 243, 1991 (Orissa, Maharashtra and Krishna).

*Distribution* : India : Deccan (Godavari and Krishna drainage systems) and Mahanadi river at Hirakud Dam.

*Habitat* : Fast flowing clear streams and rivers.

*Size* : 30.0 cm TL.

### Genus 23 : *Rohtee* Sykes

*Rohtee* Sykes, *Proc. Zool. Soc. Lond.*, (6) : 161, 1839 Sykes, *Trans. Zool. Soc. Lond.*; 2 : 364, 1840 (Type, *Rohtee ogibii* Sykes)

#### 82. *Rohtee (Rohtee) ogibii*\* Sykes

*Rohtee ogilbii* Sykes, *Trans. Zool. Soc.*, 64, pl. 63, fig. 2, 1841 (Type-locality : Beema river at Pairgaon). Day, *Fish. India*, p. 588, pl. 47, fig. 5, 1878 (Deccan, Krishna, Godavary). Day, *Faun. Brit. Ind. Fish.*, 1 : 342, 1889. Hora and Misra, *Rec. Indian Mus.*, 42 : 155-172, 1940. Bhimachar and Rau, *J. Mys. Univ.*, 1 : 145, 1941. (River Bhadra near Hebbe). Chacko and Kuriyan, *Proc Indian Acad. Sci. India*, 28(5) : 430, 1952 Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, 53(1) : 673, 1955 (kolhapur) Mistra, *Rec. Indian Mus.*, 57 : 165, 1959 (Deccan, Deolali Poona, Mysore). Talwar and Jhingran, *Inland Fish.* 1 : 295, 1991 (along the Western Ghats and Krishna godavary system).

*Osteobrama ogilbii* Heckel, in *Russ. Reis.*, 1 : 1033, 1843, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 324, 1868

*Abramis orgibi* Jerdon, *Madras J. Lit. Sci.*, 15 : 319, 1849.

*Systemus ogilbii* Bleeker, *Verh. Bat. Gen.*, 62, 1853.

*Mystacoleucus ogilbii* Fraser, *J. Bombay nat. Hist. Soc.*, 43(1) : 82, 1942 (Mula-Mutha river, Poona).

*Rohtee (Rohtee) ogilbii*, David, *Proc. nat. Acad. Sci. India*, 33B(2) 280, 1963 (Godavary and Krishna). Jayaram, *HBFW Fish. India*, p. 111, 1981 (Krishna, Godavary river Systems).

*Distribution* : Peninsular India Deccan Krishna and Godavary systems.

*Habitat* Fast flowing streams and rivers.

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\* *Rohtee (sensu stricto)* is restricted to Peninsular India. The Burmese, Thailand and Malayan forms of *Rohtee* come under the subgenus *Mystacoleucus*.

*Size* : 50.0 cm TL.

*Status* : Vulnerable

Subtribe : POROPUNTIANA

Genus 24 *Barbodes* Bleeker

*Barbodes* Bleeker, *Nat. Tijdr. Ned. Ind.*, **20** : 431, 1859 (Type, *Barbodes belinka* McClelland)

### 83. *Barbodes bovanicus* (Day)

*Barbus bovanicus* Day, *Fish. India*, p. 566, pl. 138, fig. 1, 1878 (Type-locality : River Bowany at the base of Nilgherry hills). Day, *Faun. Brit. Ind. Fish.*, **1** : 308, 1889 (Bowany river, Nilgherry).

*Puntius bovanicus*, Jayaram, *HBFW Fish. India*, **99**, 1981 (Cauvery river system). Jayaram *et al.*, *Rec. Zoo. Surv. India Occ. Pap.*, **36** : 51, 1982 (Cauvery river system). Talwar and Jhingran, *Inland Fish.*, **1** : 261, 1991 (Bhavani R. at the base of nilgiri hills, Cauvery R. System). Jayaram, *Rec. Zool Surv. India Occ. Pap.*, **135** : 110, 1991 (Nilgiris).

*Distribution* : India : Mettur Dam, Cauvery System.

*Habitat* : Reservoir.

*Size* : 36.0 cm TL. (Specimen collected by Sundara Raj in 1941 and deposited in Madras Museum). Apparently only the population in the Mettur reservoir survives to-day.

*Status* : Endangered.

### 84. *Barbodes carnaticus* (Jerdon)

*Barbus carnaticus* Jerdon, *Madras J. Lit. Sci.*, **15** : 311, 1849 (Type-locality : Cauvery river). Gunther, *Cat. Fish. Brit. Mus.*, **7** : 128, 1868. Day, *Fish. India*, p. 563, pl. 137, fig. 3, 1878 (Rivers along the bases of Nilgherries, Wynaad and Canara hills). Day, *Faun. Brit. Ind. Fish.*, **1** : 305, 1889.

*Puntius (Barbodes) carnaticus* Day, *proc. Zool. Soc. Lond.*, p. 282, 1867. Annandale, *Rec. Indian Mus.*, **16** : 135, 1919.

*Barbus (Puntius) carnaticus*, Hora, *Rec. Indian Mus.*, **44** : 195, 1942 (Mysore).

*Puntus carnaticus* Jayaram, *HBFW Fish. India*, p. 99, 1981 (Cauvery, Nilgiri, Wynaad), Canara Hills. Krishna river system excluded). Jayaram, *et al.*, *Rec., Zool. Surv. Indian Occ. Pap.*, **36** : 52, 1982. (Kanara, Bhavani river, South Carnataka, Kerala, Tamil Nadu along the base of Nilgiri hills : Ooty and other lakes introduced). Talwar and Jhingran, *Inland Fish.*, **1** : 262, fig. 89, 1991 (Cauvery, Nilgiris, Wynaad

and Canara hills. Krishna river excluded). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, **135** : 108, 1991 (Cauvery, Nilgiris, Wynaad and Canara. Krishna river excluded).

*Puntius cauveriensis* Jayaram, *HBFW Fish. India*, p. 99, 1981 (Cauvery river, Coorg, Karnataka State). Jayaram *et al.*, *Rec. Zool. Surv. India, Occ. Pap.*, **36**: 53, 1982 (Cauvery river, Karnataka). Talwar and Jhingran, *Inland Fish.*, **1** : 262, 1991 (Cauvery R. Karnataka, Nilgiri, Wynaad and Canara. Krishna river system excluded).

*Distribution* : Peninsular India : Cauvery river systems in Nilgiri, Wynaad and Canara Hills.

*Habitat* : Clear rapid rivers and lakes along base of Nilgiris. Introduced into Ooty lake.

*Size* : 60.0 cm TL., 12 kg in weight.

*Status* : Vulnerable.

#### 85. *Barbodes sarana orphoides* (Valenciennes)

*Barbus orphoides* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 193, 1842 (Type-locality Java)

*Barbus rubripinnis* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 194, 1842. Bleeker, *Nat. Tijds. Ned. Ind.*, **9** : 406, 1855. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 116, 1868.

*Barbus saranella* Bleeker, *Verh. Bat. Gen.*, **23** : 16, 1850.

*Barbus gardonoides* Bleeker, *Verh. Bat. Gen.*, **25** : 60, 126, 1853.

*Barbus caudimarginatus* Blyth, *J. Asiat. Soc., Beng.*, **29** : 157, 1860.

*Systemus (Barbodes) rubripinna*, Bleeker, *Ichth. Arch. Ind. Prodr.*, **3** : 100, tab. 33, fig. 3, 1863.

*Puntius (Barbodes) rubripinna*, Bleeker, *Atlas Ichth.*, **3** : 100, pl. 33, fig. 3, 1863.

*Barbus oatesii* Boulenger, *Ann. Mag. Nat. Hist.*, (6) **12** : 201, 1893. (Burma). Hora, *Rec. Indian Mus.*, **22**(3) : 184, 1921 (Manipur).

*Puntius Pinnauratus* Day (in part). *Fish. Malabar*, p. 209, pl. 15, fig. 2, 1865, Menon, *Bull. Raff. Mus.*, **25** : 25, 1954 (Malaya).

*Barbodes rubripinnis*, Jordon and Seale, *Proc. U.S. Nat. Mus.*, **32** : 538, 1908.

*Puntius orphoides*, Weber and de Beaufort, *Fish. Indo-Austr. Archipel.*, **3** : 198, 1916 (Siam). Fowler, *Proc. Acad. Nat. Sci. Phil.*, **91** : 45 and 72, 1939 (Peninsular Siam). Smith, *Bull. U.S. Nat. Mus.*, **1881**, 190, pl. 5, 1945 (Thailand).

*Barbus sarana caudimarginatus*, Annandale, *Rec. Ind. Mus.*, **14** : 46, pl. 3, fig. 3, 1918 (Inle Lake, Burma). Hora, *Rec. Ind. Mus.*, **22** : 183, 1921 (Imphal river, Loktak Lake, Manipur).

*Barbus sewelli* Prashad and Mukerji, *Rec. Indian Mus.*, **31** : 197, pl. 9, fig. 1, 1a, 1b, 1929.

*Barbus myitkyinae* Prashad and Mukerji, *Rec. Indian Mus.*, **31** : 198, pl.9, figs. 2, 21, 1929.

*Barbus sarana sewelli* Prashad and Mukerji, *Rec. Indian Mus.*, **36** : 123, 1934 (Burma).

*Barbus (Puntius) binduchitra* Hora, *Rec. Indian Mus.*, **39** : 327, text. fig. 4 (Juvenile), 1937.

*Puntius sarana orphoides*, Menon, *Spolia Zeyl.*, **30**(1) : 69, 1963. Jayaram, *HBFW Fish. India*, p. 102, 1981 (Loktak lake, Imphal, Manipur, Burma, Malaya, Thailand, Java and Borneo). Talwar and Jhingran, *Inland Fish.*, **1** : 282, fig. 95, 1991 (Manipur, Burma, Thailand, Borneo and Java).

*Distribution* : India : Manipur. Burma. Thailand. Borneo and Java.

*Habitat* : Rivers with medium current tanks and reservoirs.

*Size* : 25.0 cm TL.

#### 86. *Barbodes sarana sarana* (Hamilton)

*Cyprinus sarana* Hamilton, *Fish. Ganges*, pp. 307, 388, 1822 (Type-locality : Gangetic system, Bengal). Hora, *Mem. Indian Mus.*, **9**(4) : 189, 1929.

*Systemus immaculatus* McClelland, *Asiat. Res.*, **19**(2) : 284, 380, 381, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 409, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 62, 1853.

*Systemus chrysopomus* McClelland, *Asiat. Res.*, **19**(2) : 284, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 409, 1842.

*Barbus deliciosus* McClelland, *Asiat. Res.*, **19**(2) : 271, 342, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **15** : 172, 1840. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853.

*Barbus gardonides* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16**(2) : 156, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 126, 1853.

*Barbus kakus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 153, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853.

*Barbus duvancelli* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 167, 1842.

*Barbus polydori* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 165, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853.

*Barbus sarana*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 151, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 115, 1868. Day (in part), *Fish. India*, p. 560, pl. 136, fig. 2, 1878 (Sind, Punjab, throughout India, Assam and Burma). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 300, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 41, pl. 5, fig. 2 and text fig. 36, 1937. Hora and Misra, *J. Bombay nat. Hist. Soc.* **40** : 22, 1938 (Deolali). Sinha and Shiromany, *Rec. Indian Mus.*, **51**(1) : 62, 1954 (Hindanrani, Meerut). De Witt, *Stanford Ichthyol. Bull.*, **7**(4) : 73, 84, 1960 (Nepal). Datta and Murthy, *Mem. Soc. Zool.*, **1** : 7, 1976 (Kolleru lake, A.P.).

*Puntius sarana*, Steindachner, *Sitz. Akad. Wiss. Wien.*, **56** : 58, 1867. Hora, *J. Zool. Soc. India*, **1**(1) : 5, 1948 (Rihand river, Mirzapur, U.P.) Chauhan and Ramakrishna, *Rec. Indian Mus.*, **51**(3) : 396, 404; 1954 (Bolangir Dist., Orissa). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53** : 672, 1956 (Kolhapur, Maharashtra). Motwani and David, *J. Zool. Soc. India*, **9**(1) : 11, 1957 (River Sone). Misra, *Rec. Indian Mus.*, **57** : 155, 1959. (India, Pakistan, Burma, Ceylon, Thailand, China). Menon, *J. Zool. Soc. India*, **14**(1) : 26, 1963 (brahmaputra, Kosi, Bagmati, Kandak, Rapti, Karnali, Kali, Ranganga, Jamuna and Indus drainages). David, *Proc. nat. Acad. Sci. India*, **33B**(2) : 280, 1963 (Godavari and Krishna). Mahajan, *J. Bombay nat. Hist. Soc.*, **62**(3) : 446, 1966 (Muzaffarnagar Dist., U.P.). Srivastava, *Fish. East. U.P.*, **51**, 1968. Bhatnagar, *J. Inland Fish. Soc. India*, **5** : 135, 1973 (Bhakra reservoir). Pillai and Yazdani, *Rec. Zool. Surv. India*, **72** : 5, 12, 1977 (Singhara, Gomeswari river, Siju caves, Garo hills, Meghalaya). Venkateswarlu, *Acta Ichth. Piscat.*, **7**(1) : 49, 1977 (river poonpun, Bihar). Shrestha, *Fish. Nepal*, p. 89, 1981 (Nepal). Tilak and Sati, *Cheetal*, **26**(2) : 34, 1985 (Kaziranga Park, Assam).

*Barbus (Puntius) sarana*, Hora, *Rec., Ind. Mus.*, **42** : 369, 1940 (Mahanadi river). Fraser, *J. Bombay. nat. Hist. Soc.*, **43**(1) : 82, 1942 (Poona). Hora, *Rec. Indian Mus.*, **44**(2) : 95, 1942. Datta, *Rec. Indian Mus.*, **50**(1) : 107, 1951 (River Banas near Rajasthan).

*Puntius sarana sarana*, Menon, *Spolia Zeyl.*, **30**(1) : 68, 1963. Tilak, *Rec. Zool. Surv. India*, **65**(1-4) : 186, 194, 210, 1971 (river Tawi and its tributaries, J and K state). Menon, *Inland. Fish Soc. India Spl. Publ.*, **1** : 41, 1974 (India except Peninsular India South of Krishna, Pakistan, Nepal, Sikkim, Bhutan, Bangladesh). Tilak and Husain, *Zool. Jb. Syst.*, **104** : 269, 279, 296, 1977 (Bhakra reservoir, H.P.). Jayaram, *HBFW Fish. India*, p. 102, 1982 (India throughout, except Peninsular South of Krishna, Pakistan, Nepal, Bangladesh, Burma). husain and Tilak, *Rec. Zool. Surv. India*, **81**(3-4) : 274, 1984 (Faizabad, U.P.). Sen, *Rec. Zool. Surv. India, Occ. Pap.*, **64** : 79, 1985 (throughout India. Peninsular India south of Krishna excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 283, fig. 96, 1991 (Afghanistan, Pakistan, India, throughout except Peninsular India South of Krishna river, Nepal, Bangladesh and Bhutan).

*Puntius saberi* Datta and Karmakar, *Bull. Zool. Surv. India*, 3(3) : 179, 1981 (Cheroguru Talab, Pujaripal Village, 23 km. from Sukna, Bastar Dist., M.P.).

*Puntius sarana orphoides*, Tilak (*nec* Val), *Rec. Zool. Surv. India*, 67 : 96, 1972 (Valus river, 8 km east of Forest Rest house, Valpoi, Goa).

*Distribution* : India : Throughout India north of Krishna river system. Pakistan. Nepal and Bangladesh.

*Habitat* : Streams, rivers, reservoirs and tanks.

*Size* : 31.0 cm TL.

### 87. *Barbodes sarana subnasutus* (Valenciennes)

*Barbus subnasutus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 154, 1842 (Type-locality : Pondicherry). Bleeker, *Verh. Bat. Gen.*, 25 : 60, 1853.

*Barbus gibbosus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 155, 1842. Bleeker, *Verh. Bat. Gen.*, 25 : 60, 1853.

*Barbus chrysopoma* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 165, pl. 466, 1842. Bleeker, *Verh. Bat. Gen.*, 25 : 60, 1853. Gunther (in part), *Cat. Fish. Brit. Mus.*, 7 : 113, 1868. Day (in part), *Fish. India*, p. 561, 1878 (Coconada down to east coast of India and Ceylon). Day (in part), *Faun. Brit. Ind. Fish.*, 1 : 301, 1889.

*Barbus roseipinnis* Valenciennes, (in C & V), *Hist. Nat. Poiss.*, 16 : 169, (Type-locality : Pondicherry). Bleeker, *Verh. Bat. Gen.*, 25 : 60, 1853. Jerdon, *Madras J. Lit. Sci.* 15 : 314, 1849. Day, *Fish. India*, p. 562, 1877 (Pondicherry). Day, *Faun. Brit. Ind. Fish.*, 1 : 303, 1889.

*Systemus chrysopoma*, Jerdon, *Madras J. Lit. Sci.*, 15 : 314, 1849.

*Puntius chrysopoma*, Day, *Fish. Malabar*, p. 208, 1856 (Bombay and Freshwater of Malabar).

*Cyclocheilichthys pinnauratus* Day, *Proc. Zool. Soc. Lond.*, p. 300, 1865 (Freshwater of Malabar).

*Puntius Pinnauratus*, Day, *Fish. Malabar.*, 209, pl. 15, fig. 2, 1856. (Freshwater of Malabar). Gunther, *Cat. Fish. Brit. Mus.*, 7 : 114, 1868.

*Barbus russelli* Gunther (in part), *Cat. Fish. Brit., Mus.*, 7 : 121, 1868.

*Barbus pinnauratus*, Day (in part), *Fish. India*, p. 561, pl. 39, fig. 3, 1878 (from Coconada down the East coast of India to Ceylon. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 301, 1889. Hora, *Rec. India Mus.* **39** : 336, 1937. Hora and Law, *Rec. Indian Mus.*, **43** : 247, 1941. Bhimachar and Subba Rau, *J. Mys. Univ.*, **1** : 146, 147, 1941 (R. Tunga near hariharpur; Ayyanakere Tank near Sakrepatna, Kodur Dist., Mysore State).

*Barbus (Puntius) pinnauratus*, Silas, *J. Bombay nat. Hist. Soc.*, **48**(4) : 1949 (Canals in Alleppy).

*Puntius sarana subnasutus*, Menon, *spoila Zeyl.*, **30**: 69, 1963. Tilak, *Rec. Zool. surv. India*, **67** : 96, 1972 (Arvalem water falls Goa). Talwar and Jhingran, *Inland Fish.*, **1** : 285, 1991 (Krishna and Cauvery river system, and Kerala in Peninsular India).

*Puntius roseipinnis*, Jayaram, *HBFW Fish. India*, **102**, 1981. Talwar and Jhingran, *Inland Fish.*, **1** : 281, 1991. Jayaram, *Rec. Zool. Surv. India, Occ.*, No. 135 : 128, 1991.

*Puntius subnasutus*, Jayaram, *HBFW Fish. India*, **102**, 1981. (Peninsular India, South of Krishna, Goa, Srilanka).

*Distribution*: India : Peninsular : Krishna river and South.

*Habitat* : Rivers with medium current tanks, ponds and reservoirs.

*Size* : 25.0 cm TL.

#### Genus 25 : *Chagunius* Smith

*Chagunius* Smith, *Proc. Biol. Soc. Wash.*, **51** : 157, 1938, (Type, *Cyprinus chagunio* Hamilton). Rainboth, *Occ. Pap. Univ. Mich. Mus., Zool.*, (712) : 1-17, 1986 (Revision).

#### 88. *Chagunius chagunio* (Hamilton)

*Cyprinus chagunio* Hamilton, *Fish. Ganges*, pp. 295, 387, 1822 (Type-locality : Yamuna river and northern rivers of Bihar and Bengal). Day, *Proc. Zool. Soc. Lond.*, p. 743, 1873 (taxonomy). Hora, *Mem. Ind. Mus.*, **9**(4) : 189, pl. 21, fig. 7, 1929 (Hamilton's original figure).

*Barbus spilopholus* McClelland, *Asiat. Res.*, **19** : 272, pl. 39, 1839 (Northern Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 171, 1842. Chaudhuri, *Rec. Indian Mus.*, **8** : 250, pl. 8, (Abor hills, Brahmaputra R.).

*Rohita chagunio*, Valenciennes, (in C & V), *hist. Nat. Poiss.*, **16** : 257, 1842.

*Rohita chagunio*, Valenciennes, (in C & V), *Hist. Nat. Poiss.*, **16** : 257, 1842.

*Barbus chagunio*, Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853. Day, *Proc. Zool. Soc. Lond.*, p. 637, 1871 (taxonomy). Day, *Fish. India*, p. 559, pl. 36 & 140, 1878 (Gangetic provinces and Assam. Sind, Punjab, Burma excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 299, fig. 103, 1889 (Throughout Bengal, Assam, Bihar. N.W Provinces to Punjab excluded). Hora, *Proc. Asiat. Soc. Beng.*, **23** : 415, 1928 (Dinajpur, Bramini, Yamuna R., Tista and Kosi R.). Hora and Mukerji, *Proc. Asiat. Soc. Beng.*, **27** : 137, 2 figs, 1933 (sexual dimorphism). Hora and Mukerji, *Rec. Indian Mus.*, **38** : 139, 1936 (Eastern Doons). Hora, *Rec. Indian Mus.*, **40**(2) : 174, 1938 (Gumani R., near Dhamni, Santal Parganas). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, (Science), **3** : 35, 1938 (Balasan R., Terai and Duars). Menon, *Rec. Indian Mus.*, **48** : 71, 1950 (Isri R., Parasnath Hills). De Witt. *Stanford Ichth. Bull.*, **7**(4) : 72, 1960 (Pokhara and Biratnagar, Nepal).

*Barbus spilopholis*, Gunther, *Cat. Fish Brit. Mus.*, **7** : 96, 1868 (Ganga R.)

*Barbus beavani* Gunther, *Cat. Fish Brit. Mus.*, **7** : 96, 1868 (Type-locality : Cossye R.). Gunther, *Proc. Zool. Soc. London.*, p. 875, 2 figs., 1872.

*Barbus (Barbodes) chagunio*, Day, *Proc. Zool. Soc. Lond.*, p. 373, 1869 (Cossye R., at Midnapore, Orissa).

*Barbus (Chagunius) chagunio*, Hora and Gupta, *J. Asiat. Soc. Beng.*, **6** : 79, 1941 (Kalimpong and Siliguri).

*Puntius chagunio*, Hora, *J. Zool. Soc. India*, **1** : 1949 (Rihand river, Mirzapur, U.P.). Sinha and Shiromany, *Rec. Indian Mus.*, **51**(1) : 65, 1954 (Kalinadi, Meerut). Motwani and David, *J. Zool. Soc. India*, **9**(1) : 11, 1957 (river Sone). Mahajan, *J. Bombay nat. Hist. Soc.*, **62**(3) : 1966 (Muzaffarnagar Dist., U.P.). Sehgal, *J. Bombay nat. Hist. Soc.* **70**(3) : 465, 1974 (Sirmour).

*Barbus (Puntius) chagunio*, David, *J. Zool. Soc. India*, **5**(2) : 245, 1953 (Barakar, Konar and Damodar rivers).

*Chagunius chagunio*, Misra, *Rec. Indian Mus.*, **57**(1-4) : 147, 1962 (Assam, W Bengal, Darjeeling, E. Himalayas. Punjab, W Himalayas, UP, Bihar, Orissa, Pakistan, Bangladesh, Burma and Siam excluded). Menon, *J. Zool. Soc. India*, **14**(1) : 26, 1962 (Gangetic Provinces). Lal and Chatterjee, *J. Zool. Soc. India*, **14** : 241, 1963 (eastern Doons). Datta and Mujamdar, *Rec. Indian Mus.*, **62** : 86, 1970 (Parwan R., Kotah Dist., Rajasthan). Rainboth, *Occ. Pap. Mus. Zool. Univ. Michigan*, **712** : 1, 1986 (Ganges and Brahmaputra). Talwar and Jhingran, *Inland Fish.*, **1** : 167, fig. 63, 1991 (Brahmaputra and Ganga drainage along the path of Himalayan foot hills).

*Distribution* : India : Himalayas : Ganga and Brahmaputra drainages; Chota-Nagpur : Damodar drainage.

*Habitat* : Rapid rivers of the foot-hills; clear and fast water, with rocky bottom and little or no vegetation.

*Size* : 45.0 cm TL.

*Status* : Vulnerable

### 89. *Chagunius nicholsi* (Myers)

*Barbus nicholsi* Myers, *Amer. Mus. Novit.*, 150 : 3, 1924 (Type-locality : Monywa, sagaing). Rainboth, *Occ. Pap. Mus. zool. Univ. Michigan*, 712 : 9, 1986 (Revision)

*Barbus chagunio* (*nec* Hamilton) Prashad and Mukerji, *Rec. Indian Mus.*, 31(3) : 195, 1924 (Myitkyina).

*Distribution* : India : Manipur. Burma.

*Habitat* : Rivers and Hill. streams with rocky bottom.

*Size* : 30.0 cm TL.

### Genus 26 : *Hypselobarbus* Bleeker

*Hypselobarbus* Bleeker, *Nat. Tijds. Ned. Ind.*, 20 : 430, 1859 (Type, *Barbus mussullah* Sykes). Rainboth, *Occ. Pap. Mus., Zool. Univ. Michigan*, (718) : 23-25, 1989 (status recognised).

*Gonoproktopterus* Bleeker, *Nat. Tijds. Ned. Ind.*, 20 : 430, 1859 (Type, *Barbus kolus* Sykes). Rainboth, *Occ. Pap. Mus. Zool. Univ. Michigan*, (712) : 11-14, 1986.

### 90. *Hypselobarbus curmuca* (Hamilton)

*Cyprinus curmuca* Hamilton, *Journ. Mysore*, 3 : 344, pl. 30, 180 (Type-locality : Vedavathi river, Thungabadhra drainage). Hamilton, *Fish. Ganges*, pp. 294, 384, 1822. McClelland *Ind. Cypr.*, pp. 276, 358, 1868.

*Gobio curmuca*, Valenciennes (in C & V), *Hist. nat. Poiss*, 16 : 317, 1842. Jerdon, *Madras J. Lit. Sci.*, 15 : 306, 1849.

*Barbus kolus* Sykes, *Trans. Zool. Soc.*, 2 : 357, pl. 62, fig. 1, 1841 (Type-locality : Mutha-Mola river, Poona). Gunther, *Cat. Fish. Brit. Mus.*, 7 : 136, 1868. Beaven, *HBFW Fish. India*, 52, 1877 (Bombay, Deccan). Day, *Fish. India*, 573, pl. 141, fig. 2, 1878 (Central Province, Deccan, throughout Krishna,

Thungabhadra, Godavary). Day, *Faun. Brit. Ind. Fish.*, **1** : 310, 1889. Hora and Misra, *J. Bombay nat. Hist. Soc.* **40** : 22, 1938 (Deolali). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B(5)** : 169, 1948 (Shimoga, Thungabhadra, Alampur, Podur, Karnataka and A.P.).

*Gobio canarensis* Jerdon, *Madras J. Lit. Sci.*, **15** : 306, 1849.

*Capoeta kolus*, Bleeker, *Verh. Bat. Gen.*, **25** : 62, 1853.

*Hypselobarbus (Gonoproktopterus) kolus*, Bleeker, *Nat. Tijds. Dierk.*, **20** : 275, 1860.

*Barbus guentheri* Day, *Proc. Zool. Soc. Lond.*, p. 582, 1868.

*Barbus curmuca*, Day, *Proc. Zool. Soc. Lond.*, p. 707, 1873. Beaven (in part), *HBFW Fish. India*, p. 52; 1877 (Central provinces. Malabar excluded). Day (in part), *Fish. India*, p. 566, pl. 141, fig. 1, 1878 (Western Ghats. Palghat and Arriacode in South Malabar excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 310, 1889.

*Barbus (Puntius) kolus*, Fraser, *J. Bombay nat. Hist. Soc.*, **43(1)** : 82, 1942 (Mutha-Mola River, Poona). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43(2)** : 220, 1942 (Poona).

*Puntius kolus*, Silas, *J. Bombay nat. Hist. Soc.*, **51** : 581, 1953 (Krishna, R. at Wai, Maharashtra). Misra, *Rec. Indian Mus.*, **57** : 154, 1959 (Madhya Pradesh, Deolali, Deccan, Krishna, Thungabhadra, Godavary). David, *Proc. nat. Acad. Sci. India*, **33B(2)** : 280, 1963 (Godavary and Krishna). Jayaram, *HBFW Fish. India*, p. 101, 1981 (Krishna, Godavary, Coorg and Madhya Pradesh).

*Puntius curmuca*, Rajan, *J. Bombay nat. Hist. Soc.*, **53(1)** : 45, 1955 (Bhavani river). Jayaram, *HBFW Fish. India*, 100, 1981 (Rivers of Western Ghats). Jayaram *et al.*, *Rec. Zool. Surv. India, Occ. Pap.*, No. 36 : 56, 1982 (Cauvery River).

*Gonoproktopterus curmuca*, Talwar and Jhingran, *Inland Fish.*, **1** : 187, fig. 70, 1991 (Western Ghats).

*Gonoproktopterus kolus*, Talwar and Jhingran, *Inland Fish.*, **1** : 189, fig. 71, 1991 (Krishna, Godavary, Cauvery Rivery system in Peninsular India, Madhya Pradesh in Central India).

**Distribution** : India : Deccan, and Mysore Plateau in the Krishna, Godavary and Cauvery rivers. Day and Beaven have recorded the fish from Madhya Pradesh but the fish does not occur today there.

**Habitat** : Deeper portion of clear, fast flowing large rivers in the upland regions.

**Size** : 30.0 cm TL.

*Status* : Vulnerable.

91. *Hypselobarbus dobsoni* (Day)

*Barbus (Barbodes) dobsoni* Day, *J. Linn. Soc. Zool.*, **12** : 574, 1876 (Type-locality : Deccan). Day, *Fish. India*, p. 568, pl. 139, fig. 6, 1878 (Deccan, Kurnool, Poona). Day, *Faun. Brit. India Fish.*, **1** : 312, 1889.

*Barbus jerdoni* var. *maciveri* Annandale, *Rec. Indian Mus.*, **16** : 137, 1919 (Krishna river near Mahuli, Maharashtra).

*Barbus (Puntius) jerdoni (nec Day)*, Fraser, *J. Bombay nat. Hist. Soc.*, **43(1)** : 82, 1942 (Poona). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43(2)** : 224, 1942 (Poona).

*Barbus (Puntius) dobsoni*, Silas, *J. Bombay nat. Hist. Soc.*, **49** : 674, 1951 (Ponnani river, Anamalai)

*Puntius jerdoni (nec Day)* Rajan, *J. Bombay nat. Hist. Soc.*, **53(1)** : 45, 1955 (Bhavani river). Misra, *Rec. Indian Mus.*, **57** : 154, 1959 (Poona). David, *Proc. nat. Inst. Sci. India*, **33B(2)** : 289, 1963 (Krishna. Godavary excluded). Jayaram, *HBFW Fish. India* p. 101, 1981 (Krishna at Wai, Maharashtra). Jayaram et al. *Rec. Zool. Surv. Indian Occ. Pap.*, No. 36, 1982 (Tamil Nadu. Kerala and S. Kanara excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 274, 1991 (Maharashtra. South Kanara and Kerala excluded). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 46, 1991 (Deccan along the Western Ghats to Anamalai Hills).

*Puntius dobsoni*, Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53(1)** : 672, 1955 (Kolhapur).

*Puntius pulchellus (nec Day)*, Rajan, *J. Bombay nat. Hist. Soc.*, **53(1)** : 45, 1955 (Bhavani river). David, *Proc. nat. Acad. Sci. India*, **33B(2)** : 280, 1963 (Krishna river. Godavari excluded). Jayaram et al., *Rec., Zool. Surv. India Occ. Pap.*, No. 36 : 62, 1981 (Cauvery river).

*Distribution* : India : Western Ghats : Krishna and Cauvery drainages and also Anamalai hills.

*Habitat* : In deeper portions of large rivers in upland regions.

*Size* : 120 cm TL.

*Status* : Endangered.

92. *Hypselobarbus dubius* (Day)

*Puntius (Barbodes) dubius* Day, *Proc. Zool., Soc. Lond.* p. 291, 1867 (Type-locality Bhavani river, at the base of Nilgiri hills). Raj, *Rec. Indian Mus.*, **43(2)** : 386, 1941 (Bhavani river, Cauvery at Coorg and Mettur).

*Burbus dubius*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 127, 1868. Day, *Fish. India*, p. 562, pl. 137, fig. 1, 1878 (Bowani river at Nilgherry). Day, *Faun. Brit. Ind., Fish.*, 1 : 303, 1889. Johnsingh and Vickram, *J. Bombay nat. Hist. Soc.*, 84(3) : 531 (Thambraparani and Servalar: Manimuthar and Papanasam, upper and lower dams).

*Puntius dubius*, Rajan, *J. Bombay nat. Hist. Soc.*, 53(1) : 45, 1955 (Bhavani river). Jayaram, *HBFW Fish. India*, p. 100, 1981 (Bhavani river at the foot of Nilgiri hills). Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No. 36 : 57, 1982 (Cauvery river system in South India). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135, 101, 1991 (Cauvery river and its tributaries).

*Gonoproktopterus dubius*, Talwar and Jhingran, *Inland Fish.*, 1 : 188, 1991 (Cauvery river system).

*Distribution* : India : Tamil Nadu : Bhavani, Cauvery and Manimuthar.

*Habitat* : Deeper portions of large streams and rivers below the ghats.

*Size* : 25.50 cm TL.

*Status* : Endangered.

### 93. *Hypselobarbus jerdoni* (Day)

*Barbus jerdoni* Day, *Proc. Zool. Soc. Lond.*, p. 372, 1870 (Type-locality : Mangalore, Dakshin Kannada (S. Canara), Karnataka). Day, *Fish India*, p. 568, pl. 138, fig. 5, 1878 (river in Canara below ghats). Day, *Faun. Brit. Ind. Fish.*, 1 : 312, 1889 (river in Canara below ghats).

*Distribution* : Dakshin Kannada (Sough Canara).

*Habitat* : Deeper portions of large streams below the ghats.

*Size* : 45.0 cm TL.

*Status* : Endangered

### 94. *Hypselobarbus kurali* Menon and Rema Devi

*Barbus curmuca* Day (*nec* Hamilton), *Fish. India*, p. 566 pl. 141, fig. 1, 1878 (Type-locality : South Malabar). Chacko, *J. Bombay nat. Hist. Soc.*, 48(1) : 191, 1948 (Periyar Lake, Kerala).

*Barbus (Puntius) curmuca (nec* Hamilton) Hora and Law, *Rec. Indian Mus.*, 63(2) : 245, 1941 (Travancore). Silas, *J. Bombay nat. Hist. Soc.*, 49 : 674, 1951 (Ponnani drainage system, Anamalai Hills). Silas, *J. Bombay nat. Hist. Soc.*, 50 : 326, 1951 (Manimala river, Mundakayam, Peerumed hills).

*Puntius curmuca* (nec Hamilton) Misra, *Rec. Indian Mus.*, **57** : 153, 1959 (Travancore-Cochin).

*Hypselobarbus kurali* Menon & Rema Devi *J. Bombay nat. Hist. Soc.*, 1995(3) : 389-393.

*Distribution* : India : Dakshina Kannada (South Canara) to Travancore Hills, Tambraparni drainage.

*Habitat* : Large streams and rivers below the ghats.

*Size* : 35.0 cm TL.

*Status* : Vulnerable.

#### 95. *Hypselobarbus lithopidos* (Day)

*Barbus lithopidos* Day, *Proc. Zool. Soc. Lond.*, p. 708, 1873 (Type-locality : South Canara). Beavan, *HBFW Fish. India*, p. 49, 1877 (South Canara). Day, *Fish. India*, p. 567, pl. 138, fig. 2, 1878 (South Canara). Day, *Faun. Brit. Ind. Fish.*, **1** : 310, 1889. Jenkins, *Rec. Indian Mus.*, **3** : 289, 1909 (Nilambur, Travancore-Cochin). Pillay, *J. Bombay nat. Hist. Soc.*, **33** : 357, 1929 (Trivandrum). John, *J. Bombay nat. Hist. Soc.*, **38**(4) : 706, 1936 (Travancore). Raj, *Rec. Indian Mus.*, **43** : 379, 1941 (Nilambur).

*Barbus* (*Puntius*) *lithopidos*, Hora and Law, *Rec. Indian Mus.*, **43**(2) : 237, 1941 (Travancore).

*Puntius lithopidos*, Jayaram, *HBFW Fish. India.*, 101, 1981 (South Canara). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No. 135 : 94, 1991 (Kerala. Cauvery system in Karnataka excluded).

*Gonoproktopterus lithopidos*, Talwar and Jhingran, *Inland Fish.*, **1** : 190, 1991 (South Canara to Kerala).

*Distribution* : India : Kerala : Nilambur. Earlier recorded from South Canara and Travancore but the fish is not found in these places today.

*Habitat* : Fast flowing rivers and streams in forested areas.

*Size* : 60.0 cm TL., only known specimen, 23.5 cm from Nelambur in Madras Museum.

*Status* : Endangered

#### 96. *Hypselobarbus micropogon* (Valenciennes)

*Barbus micropogon* Valenciennes (in C & V), *Hist. nat. Poiss.*, **16** : 188, 1842 (Type-locality Mysore). Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853. Beavan, *HBFW Fish. India*, p. 45, 1877. Day, *Fish. India*, p. 563, pl. 136, fig. 3 and pl. 138.

fig. 4, 1878 (Rivers at base of Neilgheries. South Canara excluded). Day, *Faun. Brit. India, Fish.* 1 : 304, 1889. Rao and Bimachar, *J. Mys. Univ.*, 1 : 117, 130, 1927. Hora, *Rec. Indian Mus.*, 39 : 19, 1937 (Mysore, Coorg).

*Barbus gracilis* Jerdon, *Madras J. Lit. Sci.*, 15 : 313, 1849.

*Barbus mysorensis* Jerdon, *Madras J. Lit. Sci.*, 15 : 313, 1849 (Cauvery and its tributaries).

*Puntius (Barbodes) gracilis*, Day, *Proc. Zool. Soc., Lond.*, p. 290, 1867. Day, *Proc. Zool. Soc., Lond.*, p. 390, 1870.

*Barbus conirostris* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 127, 1868. Beavan, *HBFW Fish. India*, p. 44, 1877.

*Barbus micropogon* var. *mysorensis* Mukerji, *J. Bombay nat. Hist. Soc.*, 35 : 166, 167, 1931.

*Puntius micropogon*, Jayaram, *HBFW Fish. India*, p. 101, 1981 (W. ghats from Canara and Nilgiri hills). Jayaram *et al.*, *Rec. Zool Surv. India. Occ. Pap.*, No. 36 : 61, 1982 (Bhavani river and other head waters of Cauvery and at base of Nilgiri hills. S. Canara range of hills excluded).

*Puntius micropogon micropogon*, Jayaram, *Rec. Zool. Surv. India. Occ. Pap.*, No. 135 : 96, 1991 (Bhavani at Nilgiri, Wynaad and Karnataka. Kerala and South Canara excluded).

*Gonoproktopterus micropogon*, Talwar and Jhingran (in part), *Inland Fish.*, 1 : 190, 1991 (Bhavani R. and other head waters of Cauvery at base Nilgiri Hills, Wynaad South Canara excluded).

*Distribution* : India : Head waters of Cauvery in Nilgiri, Wynaad and Karnataka.

*Habitat* : Deeper portion of large streams and rivers along the base of the ghats.

*Size* : 30.0 cm TL.

*Status* : Endangered.

### 97. *Hypselobarbus musullah* (Sykes)

*Barbus musullah* Sykes, *Proc., Zool. Soc. Lond.*, 6 : 159, 1838 (Type-locality : Ghod river at Sirur, Maharashtra). Sykes, *Trans. Zool., Soc. Lond.*, 2 : 356, fig. 4, 1840. Jerdon, *Madras J. Lit. Sci.*, 15 : 313, 1849. Bleeker, *Verh. Bat. Gen.*, 25 : 60, 1853.

*Barbus (Tor) musullah*, Hora, *J. Bombay nat. Hist. Soc.* 44(1) : 5, 1943.

*Tor musullah*, Tilak and Sharma, *Game Fish. India and Angling*, p. 53, fig. 12, 1982.

Talwar and Jhingran, *Inland Fish.*, 1 : 306, 1991 (Krishna. Godavary excluded).

*Hypselobarbus musullah*, Rainboth, *Occ. Pap. Mus., Zool. Univ. Michigan*, (718) : 24, 1989 (Status discussed).

*Distribution* : India : Maharashtra : Krishna drainage. Destruction and changes in ecological characteristics of the river at Sirur have contributed to the disappearance of the fish from there. The earlier wider range of the fish has been reduced and probably it is limited to a small fragment of its previous range to-day.

*Habitat* : Deeper portions of clear fast flowing large jungle streams and rivers in the upland areas.

*Size* : 100.0 cm TL.

*Status* : Endangered or probably Extinct.

#### 98. *Hypselobarbus periyarensis* (Raj)

*Barbus (Puntius) micropogon periyarensis* Raj, *Rec. Indian Mus.*, 43 : 379, fig. 3 and 4, 1941 (Type-locality : Periyar lake). Silas, *J. Bombay nat. Hist. Soc.*, 50 : 327, 1951 (Vandiperiyar river close to Arnakal Estate, Peermed Hills).

*Barbus micropogon*, Chacko (*nec Valenciennes*), *J. Bombay nat. Hist. Soc.*, 48(1) : 191, 1948 (Periyar lake).

*Puntius micropogon periyarensis*, Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 99, 1991 (Periyar lake).

*Gonoproktopterus micropogon*, Talwar and Jhingran (in part), *Inland Fish.*, 1 : 190, 1991.

*Distribution* : India : Kerala (Periyar lake).

*Habitat* : The lake and higher reaches of river.

*Size* : 50.0 cm TL.

*Status* : Endangered.

#### 99. *Hypselobarbus pulchellus* (Day)

*Barbus pulchellus* Day, *Proc. Zool. Soc. London*, p. 372, 1870 (Type-locality : South Canara). Day, *Fish. India*, p. 568, pl. 140, fig. 3, 1878 (South Canara). Day, *Faun. Brit. Ind. Fish.*, 1 : 311, 1889.

*Barbus (Puntius) jerdoni*, Hora and Misra (in part), *J. Bombay nat Hist. Soc.*, 43 : 224, 1942.

*Puntius pulchellus*, Jayaram, *HBFW Fish. India*, p. 102, 1981 (S. Canara)

*Puntius jerdoni*, Talwar and Jhingran (in part), *Inland Fish.*, **1** : 274, 1991. Jayaram (in part), *Rec. Zool. Surv. India. Occ. Pap.*, No. 135 : 46, 1991.

*Distribution* : India Karnataka : Dakshin Kannada (South Canara).

*Habitat* : Deeper portions of large streams and rivers along base of the ghats.

*Size* : 44.0 cm TL.

*Status* : Endangered.

#### 100. *Hypselobarbus thomasi* (Day)

*Barbus (Barbodes) thomassi* Day, *Proc. Zool. Soc. London*, p. 107, 1873 (Type-locality : South Canara). Beavan, *HBFW Fish. India*, p. 49, 1877 (South Canara). Day, *Fish India* p. 567, pl 37, fig. 5, 1978 (South canara). Day, *Faun. Brit. Ind. Fish.*, **1** : 311, 1889 (South Canara).

*Puntius thomassi*, Misra, *Rec. Indian Mus.*, **57** : 155, 1959 (S. Canara). Jayaram *et al.*, *Madras. J. Fish.*, **7** : 5, 1976 (Cardamom hills). Jayaram, *HBFW Fish. India*, p. 103, 1981 (South Canara). Jayaram *et al.*, *Rec., Zool. Surv. Fish. Occ. Pap.*, **36** : 64, 1982 (S. Canara, Karnataka)

*Gonoproktopterus thomassi*, Talwar and Jhingran, *Inland Fish.*, **1** : 191, 1991 (South Canara and Cardamom Hills).

*Distribution* : India : Karnataka : Dakshin Kannada (South Canara); Kerala : Trichur : Chalakudi river and Cardamom hills.

*Habitat* : Large streams and rivers below the ghats.

*Size* : 23.0 cm TL. As Red mahseer it is known to grow to a length of 100 cm.

*Status* : Endangered.

#### Genus 27 : *Poropuntius* Smith

*Poropuntius* Smith, *Proc. U.S. Nat. Mus.*, **79** (7) : 1-48 pl. 1, fig. 22, 1931 (Type, *Poropuntius normani* Smith).

#### 101. *Poropuntius bartoni* (Mükerji)

*Barbus clavatus bartoni* Mukerji, *J. Bombay nat. Hist. Soc.*, **37** : 64, pl. 3, fig. 1, 10 & 11, 1939 (Myitkyina Dist., Burma)

*Acrossochilus manipurensis* Datta *et al.*, *Bull. Zool. Surv. India* **6**(1-3) : 167, fig. 172, 1984 (Saibol, Manipur)

*Puntius jayarami* Singh and Singh, *Rec. Zool. Surv. India*, **83**, 129, fig. 1, 1988 (Type-locality : Chakpi stream, Manipur). Jayaram, *Rec. Zool. Surv. India*, ~~Occ. Pap.~~ **135** : 124, 1991 (Manipur River, Imphal).

*Distribution* : India : Manipur. Burma

*Habitat* : Hill streams and rivers at foot hills.

*Size* : 20.0 cm TL.

### 102. *Poropuntius clavatus* (McClelland)

*Barbus clavatus* McClelland, *Calcutta J. nat. Hist.*, **280**, pl. 21, 1845 (Type-locality: Sikkim mountain on the northern frontier of Bengal). Gunther, *Cat. Fish. Brit. Mus.*, **7** : 92, 1868. Day, *Fish. India*, p. 560, 1878 (Sikkim mountains). Day, *Fauna Brit. Ind. Fish.*, **1** : 300, 1889. Hora, *Rec. Indian Mus.*, **22** : 185, pl. 9, fig. 1, 1921 (Naga hills, Assam).

*Puntius clavatus* Menon (in part) *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 38, 1974 (Sikkim, W Bengal, Bangladesh, Assam. Burma excluded). Jayaram, *HBFW Fish. India*, p. 100, 1981 (North Bengal below Darjeeling, Himalayas, Sikkim, Nepal, Bangladesh). Talwar and Jhingran, *Inland Fish.*, **1** : 265, 1991 (India : East Himalayan drainage. Burma excluded)

*Distribution* : India : Sikkim and Naga Hills.

*Habitat* : Streams and rivers at foot hills.

*Size* : 24.0 cm TL

*Status* : Rare.

Genus 28 : *Eechathalakenda*\* nov. gen.  
(Type, *Barbus (Puntius) ophicephalus* Raj)

### 103. *Eechathalakenda ophicephala* (Raj)

*Barbus (Puntius) ophicephalus* Raj, *Rec. Indian Mus.*, **43** : 375, 1941 (Type-locality : Kallar, a tributary to the Pambiyar river, to the south of Pachakani estate adjoining Periyar Lake). Silas, *J. Bombay nat. Hist. Soc.*, **50**(2) : 326, 1951 (Large stream at Mundakayam, Manimala river, at the base of Peermedu hills).

*Puntius ophicephalus*, Chacko, *J. Bombay nat. Hist. Soc.*, **48**(1) : 191, 1948 (Periyar lake, Kerala). Talwar and Jhingran, *Inland Fish.*, **1** : 277, 1991 (Pambiyar

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\* Related to *Hypselobarbus* but does not belong to it. The new genus is characterised by its elongated Channa-like appearance, 7 branched rays in the dorsal fin (9 in *Hypselobarbus*), a slightly elongated but weak, smooth and articulated last undivided ray to the dorsal fin. 4 barbels and 40-42 scales along the lateral line.

river and its tributary, Kerala). Jayaram, *Rec. zool. Surv. India Occ. Pap.*, No : 130 : 103, 1991 (Kallar).

*Distribution* : India : Kerala : Kallar stream, a tributary of Periyar river, South of Pachakani estate adjoining Periyar lake.

*Habitat* : Forested hill streams.

*Size* : 19.6 cm TL.

*Status* : Rare.

Subtribe : SYSTOMINA  
Genus 29 : *Oreichthys* Smith

*Oreichthys* Smith, *Journ. Siam Soc. Nat. Hist. Suppl.*, 9 : 63, 1933 (Type, *Oreichthys parvus* Smith = *Cyprinus cosuatis* Hamilton). Hora, *Rec. Indian Mus.*, 39(4) : 321-323, 1937 (Review).

#### 104. *Oreichthys cosuatis* (Hamilton)

*Cyprinus cosuatis* Hamilton, *Fish. Ganges*, pp. 338, 392, 1822 (Type-locality : R. Kosi). Hora, *Mem. Indian Mus.*, 9(4) : 190, 1929.

*Systemus malacopterus* McClelland, *Asiat. Res.*, 1 : 287, 386, pl. 44, Fig. 9 (from Hamilton's MS drawings), 1839.

*Rohtee pangut* Sykes, *Trans. Zool. Soc. Lond.*, 2 : 365, 1840.

*Leuciscus cosuatis*, Bleeker, *Verh. Bat. Gen.*, 25 : 139, 1859.

*Barbus cosuatis*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 157, 1868. Day, *Fish. India*, p. 581, pl. 144, fig. 1, 1878 (Bengal through N. W Provinces, Deccan and Bombay and down the Western coast as low as Kottayam in Travancore). Day, *Faun. Brit. Ind. Fish.*, 1 : 332, 1889.

*Barbus (Cyclocheilichthys) apogon* Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 34, fig. 30, 1937 (N. Bengal).

*Oreichthys cosuatis*, Hora, *Rec. Indian Mus.*, 39(4) : 321, fig. 1, 1937. Hora, *Rec. Indian Mus.*, 42 (2) : 370, 1940 (Mahanadi river at Rudri). Job, David and Das, *Indian J. Fish.*, 2 (1) : 33, 1955 (Hirakud Dam, Mahanadi). Menon, *J. Zool. Soc. India spl. Publ.*, No. 1 : 35, 1974 (Western ghats, Deccan, Bihar, West Bengal; Bangladesh; Burma; Thailand). Jayaram, *HBFW Fish. India*, p. 96, 1981 (W Bengal, M.P., Maharastra, Karnataka, Kerala; Pakistan, N.W Frontier; Bangladesh and Thailand). Talwar and Jhingran, *Inland Fish.*, 1 : 235, 1991 (India West Bengal, Assam, Madhya Pradesh).

*Puntius coorgensis* Jayaram, *Rec. Zool. Surv. India* Occ. Pap. No. 135 : 90, 1991 (Type-locality : R. Cauvery at Bhagamandala, Coorg. Dist.).

**Distribution** : India West Bengal, Assam, Orissa, Madhya Pradesh, Maharashtra, Karnataka and Kerala. Bangladesh. Burma.

**Habitat** : Small streams and ponds.

**Size** : 8.0 cm TL.

Genus 30 : *Puntius* Hamilton

*Puntius* Hamilton, *Fish. Ganges*, pp. 310, 388, 1822 (Type, *Cyprinus sophore* Hamilton)

105. *Puntius ambassis* (Day)

*Barbus ambassis* Day, *Proc. Zool. Soc. Lond.*, p. 583, 1868 (Type-locality : Kurnool). Beavan, *HBFW Fish. India*, p. 54, 1877 (Madras. Bengal excluded). Day, *Fish. India*, p. 576, pl. 145, fig. 1, 1878 (Madras. Orissa, Bengal and Assam as high as Sadiya excluded). Day, *Faun. Brit. Ind. Fish.*, 1 : 324, 1889.

*Barbus guganio* (*nec* Hamilton), Das, *Rec. Indian Mus.*, 41 : 442, 1939. Hora (*nec* Hamilton), *Rec. Indian Mus.*, 42 (2) : 373, 1940.

*Puntius gelius* (*nec* Hamilton), David, *Proc. nat. Acad. sci.*, 33B (2) : 280, 1963 (Godavari)

*Puntius guganio* (*nec* Hamilton), Talwar and Jhingran, *Inland Fish.*, 1 : 273, 1991 (Andhra Pradesh and Tamil nadu. All other places excluded).

**Distribution** : India : Andhra Pradesh and Tamil Nadu.

**Habitat** : Streams and Ponds in the plains.

**Size** : 7.5 cm TL.

106. *Puntius amphibius* (Valenciennes)

*Capoeta amphibia* Valenciennes (in C & V), 16 : 282, pl. 478, 1842 (Type-locality : Bombay). Bleeker, *Verh. Bat. Gen.*, 25 : 62, 1853.

*Systemus amphibius* Jerdon, *Madras J. Lit. Soc.*, 15 : 315, 1849.

*Puntius hamiltonii* Day, *Fish. Malabar*, p. 213, 1865 (Freshwaters of Southern India).

*Barbus amphibius*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 144, 1868 (Bombay). Day, *Proc. Zool. Soc., Lond.*, p. 373, 1870. Day, *Fish. India*, p. 574, pl. 142, fig. 8, 1878 (Central India, Deccan, Bombay, Western coast of India, Madras and up the coast as high as Orissa). Day, *Faun. Brit. Ind. Fish.*, 1 : 324, 1889 (Central

India, Deccan, Bombay, West coast, Madras and up the coast as high as Orissa). Hora, *J. Bombay nat. Hist. Soc.*, **40** : 22, 1937 (Deolali, Maharashtra). Bhimachar and Rau, *J. Mys. Univ.*, **1** : 144, 1941 (Mysore). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B** (5) : 169, 1948 (Hebbe and Hariharapur, Kadur, Mysore, Kodur, Kurnool). Chacko, *J. Bombay nat. Hist. Soc.*, **48**(1) : 191, 1948 (Periyar lake). David, *J. Zool. Soc. India*, **5**(2) : 253, 1953 (Mahanadi). Johnsingh and Vickram, *J. Bombay nat. Hist. Sci.*, **84**(3) : 532, 1987 (Thambraparani and Servalar, Manimuthar and Papanasam Upper and lower dams, Tirunelveli Dist., Tamil Nadu).

*Barbus (Puntius) amphibius*, Hora and Law, *Rec. Indian Mus.*, **43** : 244, 1941 (Travancore). Fraser, *J. Bombay nat. Hist. Soc.*, **43**(1) : 85, 1942 (Poona). Sials, *J. Bombay nat. Hist. Soc.*, **48** (4) : 793, 1949 (Thadikarankonam Stream, Kanyakumari, Dist. Tamilnadu). Silas, *J. Bombay nat. Hist. Soc.*, **50** : 326, 1951 (Upper and lower Paniparai stream Peermed Hills, Travancore). Silas, *J. Bombay nat. Hist. Soc.*, **49** : 674, 1951 (Base of Anamalai Hills). Ranade, *J. Bombay nat. Hist. Soc.*, **51** : 473, 1953 (Baroda). Job, David and Das, *Indian J. Fish.*, **2**(1) : 33, 1955 (Mahanadi at Hirakud Dam). Hora, *J. Zool. Soc. India*, **1**(1) : 1949 (Rihand river).

*Puntius amphibius*, Deraniyagala, *Coloured Atlas Vert. Ceylon*, **1** : 28, 1952 (Srilanka). David, *J. Zool. Soc. India*, **9**(1) : 11, 1957 (River Sone). Misra, *Rec. Indian Mus.*, **57** : 151, 1959 (Orissa, Madras, M.P., Deccan, Mysore, Travancore, Cochin, Bombay, W Coast of India. U.P. excluded). David, *Proc. Nat. Acad. Sci.*, **33B**(2) : 279, 1963 (Godavary and Krishna). Datta and Majumdar, *Rec. Zool. Surv. India*, **62** : 87, 1970 (Jhalar Dist., Udaipur Dist., Rajasthan). Raj Tilak, *Rec. Zool. Surv. India*, **67** : 89, 1972 (Goa). Jayaram, *HBFW Fish. India*, p. 99, 1981 (Peninsular India upto Orissa, Rajasthan and Sri Lanka). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No. 36 : 57, 1982 (MP., Orissa, South India. U.P. excluded). Lazarus et al., *Matsya*, **14** : 49, 1988 (Javadi hills, Tamilnadu). Talwar and Jhingran, *Inland Fish.*, **1** : 257, 1991 (Peninsular India as high as Orissa, Madhya Pradesh and Rajasthan and Sri Lanka). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 61, 1991. Pethiyagoda, *Freshwater Fish. Sri lanka*, p. 91, 1991.

*Distribution* : India : Peninsular India. Sri Lanka.

*Habitat* : Streams and ponds in the plains.

*Size* : 9.0 cm TL.

#### 107. *Puntius arulius arulius* (Jerdon)

*Systemus arulius* Jerdon, *Madras J. Lit. Sci.*, **15** : 317, 1849 (Type-locality : R. Cauvery at Sriangapatnam).

*Systemus rubrotinctus* Jerdon, *Madras J. Lit. Sci.*, **15** : 317, 1849.

*Puntius arulius*, Day, *Proc. Zool. Soc. Lond.*, p. 294, 1867. Talwar and Jhingran (in part), *Inland Fish.*, **1** : 258, 1991 (T.N., Kerala and Cauvery system).

*Barbus arulius*, Day, *Proc. Zool. Soc. Lond.*, p. 585, 1868. Day, *Proc. Zool. Soc. Lond.*, p. 373, 1870. Day, *Fish. India*, p. 575, pl. 142, fig. 5, 1878 (Wynaad, Neilgherry hills). Mukerji, *Bombay nat. Hist. Soc.*, **35** : 163, 1932. Chacko, *J. Bombay nat. Hist. Soc.* **48**(1) : 191, 1948 (Periyar Lake). Johnsingh and Vickram, *J. Bombay nat. Hist. Soc.*, **84**(3) : 532, 1987 (Commonly occur above Bhanatheerthum and in Kil Manimuthar and Kandamparai river, Tamil Nadu).

*Barbus (Puntius) arulius*, Hora and Law, *Rec. Indian Mus.*, **43** : 241, 1941 (Travancore).

*Puntius arulius arulius*, Jayaram, *HBFW Fish. India*, p. 99, 1981 (Cavery river system, Wynaad, Nilgiri hills, as far south as Kottayam in Kerala). Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No. 36 : 51, 1982 (River Cavery at Srirangapatnam, Bhavani river, Wynaad, Nilgiri, Tenmalai, Kulathupuzha, Kerala). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No. : 135 : 144, 1991 (Wynaad and Nilgiri hills).

*Distribution* : Peninsular India : Tamilnadu : Nilgiris (Cauvery drainage). Kerala : Wynaad, Kottayam, Tenmalai, Kulathupuzha and Periyar Lake.

*Habitat* : Large streams, rivers and lakes.

*Size* : 9.5 cm TL.

#### 108. *Puntius arulius tambraparniei* Silas

*Puntius arulius tambraparniei* Silas, *Rec. Indian Mus.*, **51**(1) : 34, fig. 2,3 and 4, 1953 (Type-locality : Kalladaikurichi, Tirunelveli Dist.). Jayaram, *HBFW. Fish. India*, p. 99, 1981. Jayaram, *Rec. Zool. Surv. India. Occ. Pap.*, No : 135 : 147, 1991.

*Puntius arulius* (in part), Talwar and Jhingran, *Inland Fish.*, **1** : 258, 1991 (Tambraparani river Tamil Nadu).

*Distribution* : India Tamil Nadu. Kalladaikurichi (Tambraparani drainage).

*Habitat* : Large streams and rivers.

*Size* : 9.2 cm TL.

#### 109. *Puntius bimaculatus* (Bleeker)

*Gnathopogon bimaculatus* Bleeker, *Verb. Nat. Holl. Maatsch. Haarlem*, **2**(20) 17, pl 4, fig. 1, 1864 (Type-locality Ceylon).

*Puntius (Capoeta) puckelli* Day, *Proc. Zool. Soc. Lond.*, p. 197, 1868 (Type-locality : Bangalore).

*Barbus puckelli* Day, *Fish. India*, p. 574, pl. 143, fig. 5, 1878 (Bangalore). Day, *Faun. Brit. Ind. Fish.*, 1 : 321, 1889 (Bangalore). Bhimachar and Rau, *J. Mys. Univ.*, 1 : 147, 1941 (River Hemavathi at Kottigehar, Karnataka State).

*Puntius bimaculatus*, Deraniyagala, *Coloured Atlas Vert. Ceylon*, 1 : 28, 1952 (Ceylon). Munro, *Marine and fresh water Fish. Ceylon*, p. 44 pl. 8, fig. 119, 1955 (Ceylon). Talwar and Jhingran, *Inland Fish.*, 1 : 259, 1991 (Sri Lanka). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 70, 1991 (Kalakad, TN and Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 96, 1991 (throughout the Island).

*Puntius puckelli*, Jayaram *HBFW Fish. India*, p. 100, 1981 (Cauvery and Krishna river system S. India, and Sri Lanka). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No. 36 : 56, 1982 (Krishna, Cauvery and Coleroon river). Menon & Rema Devi, *Ichthyol. Explor. Freshwaters*, 3(3) : 219-223, figs. 1 - 3, 1992.

**Distribution** : India : Peninsular India. Sri Lanka.

**Habitat** : Streams and ponds in the plains ascending to mountain streams.

**Size** : 4.0 cm TL.

#### 110. *Puntius chalakudiensis* Menon, Rema Devi and Thobias

*Puntius chalakudiensis* Menon, *et al.*, *J. Bombay nat. Hist. Soc.*, 1992 (in Press), (Type-locality : Chalakudi river, Kerala).

**Distribution** : India : Kerala : Chalakudi river.

**Habitat** : Upper reaches of rivers with overgrowing bushes and plants.

**Size** : 12.5 cm TL.

**Status** : Rare.

#### 111. *Puntius chola* (Hamilton)

*Cyprinus chola* Hamilton, *Fish. Ganges*, pp. 312, 389, 1822 (Type-locality : North eastern parts of Bengal). McClelland, *Asiat. Res.*, pp. 286, 384, pl. 58, fig. 3 (from Hamilton Ms. drawings), 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 410, 1842. Hora, *Mem. Indian Mus.*, 9(4) : 186, 1929.

*Cyprinus titius* Hamilton, *Fish Ganges*, pp. 315, 389, 1922 (North-eastern parts of Bengal). Valenciennes, *Hist. Nat. Poiss.*, 16, p. 410, 1842.

*Systemus terarupagus* McClelland. *Asiat. Res.*, 19 : 285, 381, pl. 44, fig. 3, 1839

(Brahmaputra and ponds in Assam).

*Capoeta chola*, Bleeker, *Verh. Bat. Gen.* 25 : 62, 1853.

*Systemus immaculatus* Blyth, *J. Asiat. Soc. Beng.*, p. 157, 1860.

*Barbus liacanthus* Gunther (in part), *Cat. Fish. Brit. Mus.*, 7 : 141, 1868.

*Barbus sophorodites*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 144, 1868.

*Barbus thermalis* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 143, 1868.

*Barbus chola*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 144, 1868. Day, *Fish. India*, 571, pl. 142, fig. 4, 1878 (From Malabar and Wynaad, through Madras, Orissa, Punjab, Bengal, Gangetic Provinces, the Central provinces, Assam also Akyab and Burma, to Mergui). Day, *Faun. Brit. Ind. Fish.*, 1 : 317, 1889. Hora, *Rec. Indian Mus.*, 40 : 171, pl. 11, 1938 (Rajmahal hills). Hora, *J. Bombay nat. Hist. Soc.*, 40 : 22, 1938 (Deolali). Dutta and Murthy, *Mem. Soc. Zool.*, 1 : 23, 1972 (Lake Kolleru, A.P.).

*Barbus titius* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 154, 1868. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 44, pl. 5, fig. 4, text-fig. 39, 1937 (N. Bengal).

*Barbus tetrapagus*, Day, *Fish. India*, p. 572, pl. 142, fig. 6, 1878 (Orissa, Bengal, Assam, N.W provinces, Punjab, Sind, also the Deccan). Day, *Faun. Brit. Ind. Fish.*, 1 : 318, 1889.

*Barbus (Puntius) tetrapagus*, Hora, *Rec. Indian Mus.*, 42 : 370, pl. 11, 1940 (Mahanadi river).

*Barbus (Puntius) chola*, Hora, *Rec. Indian Mus.*, 44(2) : 195, 1942 (Mysore state). Fraser, *J. Bombay nat. Hist. Soc.*, 43(1) : 82, 1942 (near Kirkee, Mutha river, Poona). Job, David and Motwani, *J. Asiat. Soc. Beng.*, 18(2) : 167, 1952 (Barakar, Konar and Damodar rivers). Ranade, *J. Bombay nat. Hist. Soc.*, 51(2) : 478, 1950 (Baroda). Job, David and Das, *Indian J. Fish.*, 2(1) : 32, 1955 (Hirakud Dam, Orissa).

*Puntius chola*, Deraniyagala, *Coloured Atlas vert. Ceylon*, 1 : 28, 1952 (Sri Lanka). Chauhan and Ramakrishna, *Rec. Indian Mus.*, 51 : 404, 1953 (Tel river, Orissa). Motwani and David, *J. Zool. Soc. India*, 9(1) : 11, 1957 (River Sone). David, *Proc. nat. Acad. Sci. India*, 33B(2) : 279, 1963 (Godavari and Krishna). Srivatsava, *Fish. East U.P.*, p. 49, 1968. Tandon and Sharma, *J. Zool. Soc. India*, 28 (1 and 2) : 60, 1976 (Kangra and Hamipur Dist. H.P.). Datta and Majumdar, *Rec. Zool. Surv. India*, 62 : 88, 1970 (Udaipur, Alwar, Jhalwar, Bharatpur Dists., Rajasthan). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1 : 37, 1974 (Ceylon, India, Pakistan, Bangladesh and Burma). Shrestha, *Fish. Nepal*, p. 85, 1981 (Rapti river, Hetauda; Singhia river, Biratnagar). Jayaram,

*HBFW Fish. India*, p. 100, 1981 (throughout India, Pakistan, Nepal, Bangladesh, Burma, Sri Lanka). Jayaram *et al.*, *Rec. Zool. Surv. India. Occ. Pap.*, No. 36 : 54, 1982 (Cauvery). Lipton, *Matsya* 9-10 : 113, 1983-84 (Tripura). Talwar and Jhingran, *Inland Fish.*, 1: 263, fig. 90, 1991 (Pakistan, India, Nepal, Bangladesh, Sri Lanka and Burma). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 52, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 98, 1991 (Streams, rivers and tanks).

*Puntius titius*, Shrestha, *Fish. Nepal*, p. 94, 1981 (Gandaki and Narayani zones of Nepal. India and West Pakistan).

*Distribution* : India : Throughout India. Pakistan. Nepal. Bangladesh. Burma and Sri Lanka.

*Habitat* : Rivers, streams and tanks in the plains.

*Size* : 15.0 cm TL., commonly 12.0 cm.

#### 112. *Puntius conchoni* (Hamilton)

*Cyprinus (Puntius) conchoni* Hamilton, *Fish. Ganges*, pp. 317, 318, 389, 1822 (Type-locality : Ponds of north east Bengal and rivers Kosi and Ami). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 394, 1842.

*Systemus pyrropterus* McClelland, *Asiat. Res.*, 19(2) : 284, 286, pl. 44, fig. 1, 1839 (Type-locality Upper Assam). Bleeker, *Verh. Bat. Gen.* 25 : 62, 1853.

*Systemus conchoni*, McClelland, *Asiat. Res.*, 19(2) : 284, 286, pl. 44, fig. 8, 1839. Bleeker, *Verh. Bat. Gen.*, 25 : 60 (Bengal).

*Puntius conchoni*, Steindachner, *Sitz. Acad. Wiss. Wien.*, p. 56, 1867. Chauhan and Ramakrishna, *Rec. Indian Mus.*, 51(3) : 396, 404, 1954 (Bolangir Dist., Orissa). Motwani and David, *J. Zool. Soc. India*, 9(1) : 11, 1957 (Sone River). Misra *Rec. Indian Mus.*, 57 : 8, 53, 152, fig. 76, 1959 (U.P., Punjab, W Himalayas, Bihar, Darjeeling Dist., W.Bengal, Assam, E. Himalaya, Deccan, Travancore; Cochin excluded). Menon (in part). *J. Zool. Soc. India*, 14(1) : 26, 1963. Talwar and Jhingran (in part). *Inland Fish.*, 1 : 266, 1991. Jayaram (in part), *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 27, 1991.

*Barbus conchoni*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 153, 1868 (Ganges). Hora, *Rec. Indian Mus.*, 39(4) : 339, 1937 (Nandhur and Kalaunia rivers, Kumaon Himalayas). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 36, pl. 5, fig. 3, text-fig. 32, 1937 (clear streams below 2000 ft., N. Bengal). De Witt, *Stanford Ichth. Bull.* 7(4) : 84, 1960 (Nepal).

*Barbus pyrropterus*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 157, 1868 (Upper Assam).

*Barbus (Puntius) conchoni*, Beavan (in part), *HBFW Fish. India*, pp. 55, 213, 1877. Day (in part), *Fish. India*, p. 576, pl. 143, fig. 7, 1878 (Nainital, Assam, Lower Bengal, Orissa, Bihar, Punjab, Northwest province and the Deccan) Hora and Gupta, *J. Asiat. Soc. Beng.*, 6 : 79, 1941 (Kalimpong Duars and Siliguri Terai, Northern Bengal). Menon, *Rec. Indian Mus.*, 47(2): 229, 1950 (Punjab).

*Distribution* : India : Assam, N. E. Bengal, Bihar, U.P., Punjab.

*Habitat* : Fast flowing hill streams.

*Size* : 12.5 cm TL.

### 113. *Puntius denisoni* (Day)

*Labeo denisoni* Day, *Proc. Zool. Soc. Lond.*, p. 299, 1865 (Type-locality : Cochin, Kerala).

*Puntius denisonii*, Day, *Fish. Malabar.*, p. 212, pl. 116, fig. 2, 1865. (Hill ranges of Malabar). Jayaram, *HBFW Fish. India*, p. 100, 1981 (Mundakayum, Travancore hill ranges, Kerala). Talwar and Jhingran, *Inland Fish.*, 1 : 268, 1991 (Travancore hill ranges). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 71, 1991 (Kerala).

*Barbus denisonii*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 146, 1868 (Hill ranges of Malabar). Day, *Fish. India.*, p. 573, pl. 143, fig. 2, 1878 (Mundakayam in Travancore hills). Day, *Faun. Brit. Ind. Fish.*, 1 : 320, 1889.

*Barbus (Puntius) denisoni*, Hora and Law *Rec. Indian Mus.*, 43 : 237, 1941 (Travancore).

*Distribution* : India : Kerala : Western Ghats : Kallada and Periyar river systems.

*Habitat* : Fast flowing hill streams.

*Size* : 15.0 cm TL.

### 114. *Puntius dorsalis* (Jerdon)

*Systemus dorsalis* Jerdon, *Madras J. Lit. Sci.*, 15 : 314, 1849 (Type-locality : tanks and rivers in neighbourhood of Madras).

*Systemus tristis* Jerdon, *Madras J. Lit. Sci.*, 15. p. 316, 1849.

*Barbus testraspilus* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 142, 1868 (Ceylon).

*Barbus layardi* Gunther, *Cat. Fish., Brit. Mus.*, 7 : 144, 1868 (Ceylon).

*Barbus dorsalis*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 142, 144, 1868 (Madras Presidency). Day, *Fish. India.*, p. 573, pl. 142, fig. 2, 1878 (Kurnool, Mysore, throughout Madras as low as the Cauvery and Coleroon rivers and Ceylon). Chacko and

Kuriyan, *Proc. Indian Acad. Sci.*, **28B**(5) : 168, 1948 (Shimoga, Hariharpur, Devamadugu, Kurnool). David, *J. zool. Soc. India*, **5**(2) : 253 (Mahanadi).

*Barbus cauveriensis* Hora, *Rec. Indian Mus.*, **39**(1) : 20, fig. 7, 1937 (Type-locality : Cauvery river, Coorg.)

*Puntius cauveriensis*, Jayaram *et al.* *Rec. Zool. Surv. India. Occ. Pap.*, No. : **36**, 1982. Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No : **135** : 68, 1991.

*Barbus (Puntius) dorsalis*, Hora, *Rec. Indian Mus.*, **42** : 369, 1940 (Mahanadi at Rudri dhamtari Bazar). Hora, *Rec. Indian Mus.*, **44**(1) : 195, 1942 (Mysore). Silas, *J. Bombay nat. Hist. Soc.*, **48**(4) : 733, 1949 (Thadikarankonam, Kanyakumari Dist., Tamil Nadu). Silas, *J. Bombay nat. Hist. Soc.*, **49** : 674, 1951 (Anamalai hills; Ponnani drainage). Job, David and Das, *Indian J. Fish.*, **2**(1) : 33, 1955 (Mahanadi river, Hirakud Dam).

*Puntius dorsalis*, Deraniyagala, *Coloured Atlas Vert. Ceylon.*, **1** : 30, 1952 (Sri Lanka). Munro, *Marine and Freshwater Fish. Ceylon*, p. 43, 1955 (Sri Lanka). Datta and Majumdar, *Rec. Zool. Surv. India*, **62** (1&2) : 88, 1970 (Jaipur, Udaipur and the Khetri, Rajasthan). Jayaram (in part), *HBFW Fish. India*, p. 100, 1981 (Cauvery and Krishna River Systems, S. India. Sri Lanka). Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No. **36** : 56, 1982 (Krishna, Cauvery, Coleroon river systems, Sri Lanka). Talwar and Jhingran (in part), *Inland Fish.*, **1** : 268, 1991 (Cauvery and Krishna river systems. Sri Lanka). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **135** : 64, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 103, 1991 (Throughout except central hills).

*Distribution* : India : Peninsular India · Cauvery, Krishna, Godavary, Mahanadi, Narmada river systems, Sri Lanka.

*Habitat* : Rivers and streams, particularly with pebbly substrate.

*Size* : 25.0 cm TL., commonly 12 to 15 cm.

#### 115. *Puntius filamentosus* (Valenciennes)

*Leuciscus filamentosus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17**: 95, pl. 492, 1844 (Type-locality : Alleppy). Bleeker, *Verh. Bat. Gen.*, **25**: 68, 1853.

*Leuciscus mahecola* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17**: 305, pl. 522, 1844 (Type-locality : Male). Bleeker, *Verh. Bat. Gen.*, **25** : 68, 1853. Jerdon, *Madras J. Lit. Sci.*, **15** : 322, 1849.

*Systemus assiniglis* Jerdon, *Madras J. Lit. Sci.*, **15**: 318, 1849.

*Systemus filamentosus*, Jerdon, *Madras J. Lit. Sci.*, **15**: 319, 1849.

*Systemus madraspatensis* Jerdon, *Madras J. Lit. Sci.*, **15**: 319, 1849.

*Barbus filamentosus*, Gunther (in part), *Cat. Fish. Brit Mus.*, 7: 145, 1868. Day, *Fish India*, p. 582, 1878 (Western coast of Southern India). Day, *Faun Brit. Ind. Fish.*, 1: 333, 1889.

*Puntius (Capoeta) lepidus* Day, *Proc. Zool. Soc. Lond.*, p. 196, 1868.

*Barbus mahecola*, Day, *Fish. India*, p. 575, pl. 140, fig. 5, 1878 (From Canara down the Western coast and along the base of the Neilgherries, Travancore, also Ceylon) Day, *Faun. Brit. Ind. Fish.*, 1: 323, 1889.

*Barbus singhala* Duncker, *Mitt. Nat. Hist. Hamburg*, 29: 263, 1911 (Sri Lanka).

*Puntius singhala*, Deraniyagala, *Spolia Zeyl.*, 16: 11, 1930 (Sri Lanka). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135: 155 (Sri Lanka).

*Barbus (Puntius) filamentosus*, Hora, *Rec. Indian Mus.*, 39, 15-20, 1937. Hora, *Rec. Indian Mus.*, 44: 195, 1942 (Mysore). Silas J. *Bombay nat. Hist. Soc.*, 48(4): 793, 795, 1949 (Kalikayam stream Travancore: Alleppy Canal). Silas J. *Bombay nat. Hist. Soc.*, 49: 67, 1951 (Periyar drainage system, Nelliampathi hills). Silas, *J. Bombay nat. Hist. Soc.*, 50: 326, 1951 (Manimala river at Mundakayam; Wandiperiyar river close to Arnakal Estate, Peermed hills).

*Puntius filamentosus*, Day *Fish. Malabar*, p. 215, 1865 (Malabar and Coromandal Coast). Deraniyagala, *Coloured Atlas Vert. Ceylon*, 1: 30, 1952 (Sri Lanka). Misra *Rec. Indian Mus.*, 57: 153, 1959 (Travancore – Cochin; Mysore and Ceylon). David, *Proc. nat. Acad. Sci.*, 33B(2): 279, 1963 (Krishna river). Menon, *Ichthyologica*, p. 147, 1967. Tilak *Rec. Zool. Surv. India*, 67: 93, 1972. Jayaram, *HBFW Fish. India*, p. 100, 1981 (Cauvery river, Goa, Sri Lanka). Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No. 36: 58, 1982 (Cauvery river, Kerala, S. Karnataka, Tamil Nadu, Sri Lanka). Selva Raj and Abraham, *Matsya* 12-13: 20, 1986-87 (Aliyar Reservoir, Tamil Nadu). Talwar and Jhingran, *Inland Fish.*, 1: 270, 1991 (Goa, Karnataka, Tamil Nadu, Sri Lanka. Burma excluded). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135: 77, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 105, 1991.

*Puntius melanampyx singhala*, Daraniyagala, *Coloured Atlas Vert. Ceylon*, 1: 17, 1949.

*Puntius mahecola*, Selvaraj and Abraham, *Matsya*, 12-13: 20, 1986-87 (Aliyar reservoir, Tamil Nadu).

**Distribution:** Peninsular India: Goa, Karnataka, Kerala, Tamil Nadu, Andhra Pradesh. Sri Lanka.

**Habitat :** Clear streams, lakes and ponds.

**Size :** 18.0 cm TL, commonly 10-12 cm.

116. *Puntius fraseri* Hora and Misra

*Puntius fraseri* Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40**: 29, 1938 (Type-locality : Darna river, Deolali). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53**(1): 675, 1955 (Kolhapur, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1**: 272, 1991 (Western Ghats : Darna river Maharashtra). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No: **135** : 41, 1991 (Deolali).

*Puntius deccanensis* Yazdani and Babu Rao, *J. Bombay nat. Hist. Soc.*, **73**: 171, 1976 (Type-locality : Nalla near Katraj Tank, Poona, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1**: 267, 1991 (Poona). Jayaram, *Rec. Zool. Surv., India Occ. Pap.*, No. **135** ; 44, 1991 (Poona).

*Distribution* : India : Maharashtra : Deolali and Poona.

*Habitat* : Hill streams.

*Size* : 4.6 cm TL.

*Status* : Rare.

117. *Puntius gelius* (Hamilton)

*Cyprinus gelius* Hamilton, *Fish. Ganges.*, pp. 320, 390, pl. 145, fig. 3, 1822 (Type-locality : North eastern part of Bengal). Hora, *Mem. Indian Mus.*, **9**(4): 190, 1929.

*Cyprinus canius* Hamilton, *Fish. Ganges*, pp.320, 390, 1822 (Type-locality: North East Bengal), Hora, *Mem. Indian Mus.*, **9**(4): 190, 1929.

*Systemus gelius*, McGlelland, *Asiat. Res.*, **19**: 286, 386, pl. 44, fig. 4 (from Hamilton's Ms drawings), 1839. Bleeker, *Verh. Bat. Gen.*, **25** : 60, 1853.

*Systemus canius*, McClelland *Asiat. Res.*, **19**: 287, 387, pl. 44, fig. 6 and 18 (from Hamilton's Ms. drawings) 1839. Bleeker, *Verh. Bat. Gen.*, **25**: 129, 1853.

*Barbus gelius*, Gunther, *Cat. Fish. Brit. Mus.*, **7**: 154, 1868. Day, *Proc. Zool. Soc. Lond.*, p. 374, 1969. Day, *Fish. India.*, p. 577, pl. 145, fig. 3, 1878 (Ganjam, Orissa, Bengal, Assam). Day, *Faun. Brit. Ind. Fish.*, **1**: 327, 1889.

*Barbus guganio* (*nec* Hamilton), Das, *Rec. Indian Mus.*, **41**: 442, 1939. David, *J. Zool. Soc. India*, **5**(2): 253, 1953 (Mahanadi).

*Barbus guganio* (*nec* Hamilton), Hora, *Rec. Indian Mus.*, **42**: 369, 1940 (Mahanadi at Rudri). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2): 166, 1952 (Barakar and Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2**(1): 32, 1955 (Hirakud Dam, Mahanadi).

*Barbus* (*Puntius*) *gelius*, Hora, *Rec. Indian Mus.*, **42**: 369, 1940. (Mahanadi river at

Rudri). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2): 167, 1952 (Konar, Barakar, Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2**(1): 32, 1955 (Mahanadi at Hirakud Dam).

*Puntius carletoni*, Tilak (in part), *Sci. and Culture*, **36**: 613, 1970 (Hoshangabad, M.P. Dehra Dun, U.P. excluded). Tilak and Sinha, *Zool. Jb. Syst.* **106**: 178, 1979 (M.P.).

*Puntius gelius*, David, *Proc. nat. Acad. Sc.* : 33 B(2) : 280, 1963 (Godavary only). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.: 1, 39, 1974 (Bihar, Orissa, W.Bengal). Jayaram, *HBFW Fish. India* p. 100, 1981 (Bihar, Orissa, W.Bengal, Assam, Bangladesh, Pakistan excluded). Talwar and Jhingran, *Inland Fish.*, **1**: 272, 1991 (India : Bihar, West Bengal, Orissa; Bangladesh. Pakistan excluded). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **135** : 168, 1991 (M.P., Orissa, W Bengal, Assam. U.P. excluded).

*Distribution* : India : Madhya Pradesh, Bihar, Orissa, West Bengal, Assam. Bangladesh.

*Habitat* : Rivers and standing water over silt and mud.

*Size* : 5.0 cm TL.

*Status* : Rare.

#### 118. *Puntius guganio* (Hamilton)

*Cyprinus guganio* Hamilton, *Fish. Ganges*, pp. 338, 339, 392, 1822 (Type-locality : Brahmaputra and Yamuna).

*Leuciscus guganio*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16**: 445, 1842. Bleeker, *Verh. Bat. Gen.*, **25**: 68, 1853.

*Barbus guganio*, Day, *Fish. India.*, p. 579, 1878 (from Hamilton's Ms drawings Gangetic provinces and Assam). Day, *Faun. Brit. Ind. Fish.*, **1**: 328, 1889.

*Barbus carletoni* Fowler, *Proc. Acad. Nat. Sci. Philad.*, **76**: 89, 1924 (Type-locality: Dehra Dun).

*Puntius guganio*, Motwani and David, *J. Zool. Soc. India*, **9**(1): 11, 1957 (river Sone). Jayaram, *HBFW Fish. India*, p. 101, 1981 (Ganga, Brahmaputra river systems in Gangetic provinces, Assam and Bangladesh). Talwar and Jhingran, *Inland Fish*, **1**: 273, 1991 (Ganges and Brahmaputra river system in the Gangetic provinces and Assam and Bangladesh. Orissa, Andhra Pradesh and Tamil Nadu excluded).

*Puntius carletoni*, Tilak (in part), *Sci. and Cul.* **36**: 613, fig. 1a and b, 1970 (Dehra Dun, U.P. Hoshangabad, M.P. excluded).

*Distribution* : India : Northern India : Gangetic provinces and Assam. Bangladesh.

*Habitat* : Backwaters of flowing rivers over sandy substrate.

*Size* : 3.75 cm TL.

*Status* : rare.

119. *Puntius manipurensis* Menon, Rema Devi & Viswanath

*Puntius manipurensis* Menon, Rema Devi & Viswanath, *J. Bombay nat. Hist. Soc.*, (Type-locality : Loktak Lake, Manipur).

*Distribution* : India : Manipur (Loktak Lake).

*Habitat* : Littoral areas of large water bodies.

*Size* : 4.5 cm TL.

120.\* *Puntius melanampyx* (Day)

*Labeo melanampyx* Day, *Proc. Zool. Soc. Lond.*, p. 317, 1865 (Type-locality Wynaad).

*Puntius melanampyx pradhani* Tilak, *Rec. Zool. Surv. India*, **67** (1-4): 97, 1972 (Type-locality : a stream at Molem, 2 km North east of forest rest house, Goa). Jayaram, *HBFW Fish. India*, p. 101. 1981 (Goa).

*Puntius afasciatus* Jayaram, *J. Bombay nat. Hist. Soc.*, **87**: 107, 1988 (Type-locality : Nagercoil, Tamil Nadu).

*Puntius fasciatus pradhani* Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **135** : 139, 1991 (Goa).

*Distribution* : Peninsular India: Western Ghats : Goa, South Canara through Travancore hills to Nagercoil. Also Nilgiris, Cauvery drainage.

*Habitat* : Hill streams.

*Size* : 7.5 cm TL.

121. *Puntius melanostigma* (Day)

*Barbus melanostigma* Day *Fish. India*. p. 573, pl. 143, fig. 1, 1878 (Type-locality, Wynaad hills, Kerala). Day, *Faun. Brit. Ind. Fish.*, **1**: 320, 1899 (Wynaad). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40**: 22, 1938 (Deolali).

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\* The name *melanampyx* is used though an earlier name *fasciatus* Jerdon, 1849 is available, since the species *melanampyx* is a favourite aquarium fish and several aquarium journals mention this species as *Puntius melanampyx*. A change is not considered desirable (Article 23, Section B).

*Barbus arenatus* Day, *Fish. India*, p. 574, pl. 142, fig. 7, 1878 (Type-locality : Madras).  
Day, *Faun. Brit. Ind. Fish.*, 1: 321, 1889.

*Puntius arenatus*, Jayaram, *HBFW Fish. India.*, p. 108, 1991. Talwar and Jhingran *Inland Fish.*, 1: 258, 1991 (Madras). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 135 : 75, 1991 (Tamilnadu : Vaigai river).

*Puntius melanostigma*, Jayaram, *HBFW Fish. India.* p. 101, 1981 (Cauvery river system, Wynaad, Bhavani river). Jayaram, *et al.*, *Rec. Zool. Surv. India, Occ. Pap.*, No. 36 : 60, 1982 (Cauvery River). Talwar and Jhingran, *Inland Fish.*, 1: 275, 1992 (Southern India: Cauvery river system: Wynaad Hills and Bhavani River).

*Distribution* : Peninsular India: Kerala: Wynaad; Tamil Nadu: Cauvery and Vaigai systems).

*Habitat* : Hill streams.

*Size* : 10.0 cm TL.

#### 122. *Puntius mudumalaiensis* Menon and Rema Devi

*Puntius mudumalaiensis* Menon and Rema Devi, *J. Bombay nat. Hist. Soc.*, 89(2) : 229-231. 1992 (Type-locality : Kakkanhalla Road, Mudumalai, Tamil Nadu).

*Distribution* : India : Tamil Nadu : Western Ghats.

*Habitat* : Hill Streams.

*Size* : 2.3 cm. SL.

#### 123. *Puntius nangalensis* Jayaram

*Puntius nangalensis* Jayaram, *J. Bombay nat. Hist. Soc.*, 86 (3 & 4) : 1990 (Type-locality Nangal Lake). Jayaram, *Rec. Zool. Surv. India. Occ. Pap* 135 : 37, 1991.

*Distribution* : India : Nangal Lake, E. Punjab.

*Habitat* : Littoral area of Lake.

#### 124. *Puntius narayani* Hora

*Barbus narayani* Hora, *Rec. Indian Mus.*, 39(1): 24, 1937. (Type-locality Cauvery river, Coorg). Chacko and Kuriyan, *Proc. Indian. Acad. Sci.*, 28 B(5): 169, 1948 (Hebbe, Kadur, Karnataka).

*Puntius narayani*, David, *Proc. nat. Acad. Sci.*, 33B(2): 280, 1963 (Krishna river). Jayaram, *HBFW Fish. India*, P. 101, 1981 (Cauvery river, Coorg, Karnataka). Jayaram *et al.*, *Rec., Zool. Surv. India. Occ. Pap.*, No. 36: 61, 1982 (Cauvery

river in Coorg, Karnataka). Talwar and Jhingran, *Inland Fish.*, 1: 275, 1991 (Cauvery River, Karnataka). Jayaram *Rec. Zool. Surv. India. Occ. Pap.*, No. 135 : 159, 1991. (Karnataka : Coorg).

*Distribution* : India : Peninsular India: Coorg (Cauvery system) and Kadur (Tungabhadra system).

*Habitat* : Hill streams.

*Size* : 7.75 cm TL.

### 125. *Puntius parrah* Day

*Puntius parrah* Day, *Proc. Zool. Soc. Lond.*, p. 301, 1865 (Type-locality : Kurriavanoor near Trissur). Day, *Fish. Malabar*, P. 211, P. 7, fig. 3, 1865 (Freshwaters of Malabar). Gunther, *Cat. Fish. Brit. Mus.*, 7: 142, 1868 (Madras Presidency, Java excluded). Jayaram, *HBFW Fish. India.*, p. 101, 1981 (Kerala. Karnataka, Tamil Nadu excluded). Talwar and Jhingran, *Inland Fish.*, 1: 277, 1991 (Kerala. Karnataka, Tamil Nadu excluded). Jayaram, *Rec. Zool. Surv. India. Occ. Pap.*, No. 135 : 57, 1991 (Kerala. Tamil Nadu and Karnataka excluded).

*Puntius perlee* Day. *Fish. Malabar*, p. 211, 1865 (Malabar).

*Barbus parrah*, Day, *Fish. India*, p. 572, pl. 142, fig. 3, 1878 (Malabar. Mysore, Madras excluded). Day, *Faun. Brit. Ind. Fish.*, 1: 317, 1889.

*Barbus (Puntius) parrah*, Hora and Law, *Rec. Indian Mus.*, 43(2): 237, 1941 (Travancore).

*Distribution* : India : Kerala.

*Habitat* : Clear water streams and inundated paddy fields.

*Size* : 15.0 cm TL.

### 126. *Puntius phutunio* (Hamilton)

*Cyprinus phutunio* Hamilton, *Fish. Ganges*, pp. 319, 390, 1822 (Type-locality : north eastern Bengal). Valenciennes (in C & V) *Hist. Nat. Poiss.*, 16: 395, 1842.

*Systemus leptosomus* McClelland, *Asiat. Res.*, 19: 287, 387, pl. 44, fig. 2 (from Hamilton's Ms drawings) 1839.

*Systemus phutunio*, Bleeker, *Verh. Bat. Gen.*, 62, 128, 1853.

*Barbus phutunio*, Gunther, *Cat. Fish. Brit. Mus.*, 7: 154, 1868. Day, *Proc. Zool. Soc. Lond.*, 2 375, 1869. Day, *Fish. India*, p. 578, pl. 145, fig. 4, 1878 (Ganjam, Orissa and through Bengal to Burma). Day, *Faun. Brit. Ind. Fish.* 1: 327, 1889 (Ganjam, Orissa, Bengal and Burma). Shaw and Shebbeare, *J. Asiat. Soc.*

*Beng.*, 3: 39, 1937 (River Pancheneri, N. Bengal). Hora, Misra and Malik, *Rec. Indian Mus.*, 41: 273, 1939.

*Puntius phutunio*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 39, 1974. Jayaram, *HBFW Fish. India*, p. 102, 1981 (Orissa., W.Bengal, Assam, Bangladesh, Burma. Pakistan and Goa excluded). Sen, *Rec. Zool. Surv. India, Occ. Pap.* No. 64: 80, 1985 (Assam, Orissa, W.Bengal, Burma, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 1: 278, fig. 93, 1991 (India: Orissa, West Bengal, Assam. Bangladesh and Burma. Goa and Pakistan excluded).

*Distribution* : India: Orissa, West Bengal, Assam. Bangladesh and Burma.

*Habitat* : In standing waters, over silt and mud.

*Size* : 7.5 cm TL.

#### 127. *Puntius punctatus* (Day)

*Systomus conchoni* (*nec* Hamilton) Jerdon, *Madras J. Lit. Sci.*, 15 : 317, 1849 (Type-locality : Cochin).

*Puntius punctatus* Day, *Proc. Zool. Soc. Lond.*, p. 302, 1865 (Cochin). Day, *Fish. Malabar*, p. 214, pl. 7, fig. 1, 1865 (Malabar).

*Barbus punctatus*, Day, *Fish. India*, p. 577, pl. 144, fig. 7, 1878 (Malabar, Coromandal coast excluded). Day, *Faun. Brit. Ind. Fish.*, 1 : 326, 1889 (Malabar. Coromandal coast excluded).

*Puntius ticto punctatus*, Jayaram, *HBFW Fish. India*, p. 103, 1981 (Kerala. Coromandal coast excluded).

*Distribution*. : India : Kerala; Tamil Nadu : Tirunelveli (Tambraparni drainage). Sri Lanka.

*Habitat* : Streams and ponds.

*Size* : 7.5 cm TL.

*Status* : Rare.

#### 128. *Puntius sahyadriensis* Silas

*Puntius sahyadriensis* Silas, *J. Bombay nat. Hist. Soc.*, 51 : 582, 1953 (Type-locality Yenna river, Mahabaleswar, Satara Dist., Maharashtra) Jayaram, *HBFW Fish. India*, p. 102, 1981 (Maharashtra). Talwar and Jhingran, *Inland Fish.*, 1:281, fig. 94, 1991 (Yenna river, Satara Dist., Maharashtra). Jayaram, *Rec. zool. Surv. India. Occ. Paper.*, No. 135 . 161, 1991

*Distribution* : India Maharashtra Satara Dist. (Yenna river).

*Habitat* : Hill streams.

*Size* : 7.0 cm TL.

*Status* : Rare.

129. *Puntius setnai* Chhapgar and Sane

*Puntius setnai* Chhapgar and Sane, *J. Bombay nat. Hist. Soc.*, **89**(3) : 357-359, 1992  
(Type-locality : Clear streams in Sangem,Goa).

*Distribution* : India : Goa : Sanguem and Ponda.

*Habitat* : Clear streams.

*Size* : 57.0 mm TL.

*Status* : Rare.

130. *Puntius shalynius* Yazdani and Talukdar

*Puntius shalynius* Yazdani and Talukdar, *J. Bombay nat. Hist. Soc.*, **72**(1) : 218, 1975  
(Type-locality : Khasi hills, Meghalaya). Jayaram, *HPFW Fish. India*, p. 102,  
1981 (Barapani lake, Mawpat, Myliem, Khasi hills, Jowai, Jaintia hills,  
Meghalaya). Sen, *Rec. zool. Surv. India, Occ. Paper.*, No. 64 : 83, 1985 (Khasi  
hills, Meghalaya). Talwar and Jhingran, *Inland Fish.*, **1** : 286, 1991 (Khasi  
and Jaintia hills, Meghalaya).

*Distribution* : India : Meghalaya : Khasi and Jaintia hills.

*Habitat* : Hill streams.

*Size* : 6.0 cm TL.

131. *Puntius sharmai* Menon and Rema Devi

*Puntius sharmai* Menon and Rema Devi, *J. Bombay nat. Hist. Soc.*, **89**(3) : 353-354,  
1992, (Type-locality : Mogappair, West Anna Nagar and Tennari Tank,  
Kunrathur, Madras).

*Distribution* : Tamil Nadu Outskrits of Madras city.

*Habitat* : Freshwater ponds.

*Size* : 2.7 cm. SL.

*Status* : Rare.

132. *Puntius sophore* (Hamilton)

- Cyprinus sophore* Hamilton, *Fish. Ganges*, pp. 310, 389, pl. 19, fig. 86, 1822 (Type-locality : Ponds and rivers in the Gangetic provinces). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 388, 1842. Hora, *Mem. Indian. Mus.*, **9**(4) : 189, 1928 (from Hamilton's Ms. drawings).
- Systemus chrysopterus* McClelland, *Asiat. Res.*, **19**: 285, 383, 1839 (Type-locality : Bengal, Assam). Bleeker, *Verh. Bat. Gen.*, **25**: 60, 1853. Mirza, *Biologia*, **17**(1): 50, 1971, (Synonymy).
- Barbus chrysopterus*, Gunther, *Cat. Fish. Brit. Mus.*, **7**: 152, 1868. Day, *Fish. India*, p. 579, pl. 143, fig. 6, 1878 (Assam, Bengal, N. W Provinces, Punjab and Sind). Day, *Faun. Brit. Ind. Fish.*, **1**: 329, 1889.
- Barbus sophore*, Gunther, *Cat. Fish., Brit. Mus.*, **7**: 152, 1868. Day, *Proc. Zool. Soc., Lond.*, p. 376, 1869. Day, *Fish. India*, p.566, pl. 143, fig. 4, 1878 (Assam and Khasi hills). Day, *Faun. Brit. India Fish.*, **1**: 309, 1889. Chaudhuri, *Rec. Indian Mus.*, **5**: 436, 1916. Bhimachar and Subba Rao, *J. Mysore Univ.*, **1**: 146, 1941 (river Thunga near Hariharpur).
- Systemus sophore*, McClelland, *Asiat. Res.*, **19**: 285, 382, 1839. Jerdon, *Madras J. Lit. Sci.*, **15**: 316, 1849. Bleeker, *Verh. Bat. Gen.*, **25**: 62, 1853.
- Leuciscus stigma* Valenciennes (in C & V), *Hist. nat. Poiss.*, **17**: 63, pl. 489, 1844.
- Leuciscus duvance'llii* Valenciennes (in C & V), *Hist. nat. Poiss.*, **17**: 95, pl. 491, 1844. Bleeker, *Verh. Bat. Gen.*, **25**: 66, 1853.
- Systemus duvancellii*, Bleeker, *Ichthyol. Arch. Ind. Prodr.*, **2**, 278, 1860.
- Barbus duvancellii*, Gunther, *Cat. Fish. Brit. Mus.*, **7**: 151, 1868.
- Puntius modestus* Kner, *Novara Fischi*, p. 48, pl. 15, fig. 3, 1867.
- Barbus stigma*, Day, *Proc. Zool. Soc. Lond.*, p. 198, 1868. Day, *Proc. Zool. Soc. Lond.*, p. 375, 1869. Day, *Faun. Brit. Ind. Fish.*, **1**: 329, 1889 (Sind, throughout India and Burma as high as Mandalay). Shaw and Shebbeare, *J. Roy. Asiat. Soc. Beng.*, **3**: 42, fig. 37, pl. 5, fig. 1, 1937.
- Barbus annandalei* Folwer, *Proc. Acad. nat. Sci. Phil.*, **76**: 87, 1924 (R. Sutlej, Ludhiana).
- Barbus (Puntius) sophore*, Hora, *Rec. Indian Mus.*, **44**: 195, 1942 (Mysore). Hora, *Rec. Indian Mus.*, **42**: 370, pl. 4, 1946 (Mahanadi river). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2): 167, 1952 (Barakar, Koner and Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2**(1): 32, 1955 (Mahanadi at Hirakud Dam, Orissa).

*Puntius sophore*, Chauhan and Ramakrishna, *Rec. Indian Mus.*, **51**: 405, 1953. Misra *Rec. Indian Mus.*, **37**: 155, 1955 (throughout India below 2000 ft alt., W.Punjab and Bangladesh, Burma and China). Motwani and David, *J. Zool. Soc. India*, **9**(1): 11, 1957 (River Sone). Srivastava, *Fish. East U.P.*, **52**, 1968 (Fresh and Brackish waters of India and Pakistan). Datta and Majumdar *Rec. Zool. Surv. India*, **62**: 89, 1970 (Jaipur, Udaipur, Ajmir, Jalwar, Bharatpur, Jhodpur and Kotah Dist., Rajasthan). Menon, *Inland Fish. Soc. India, Spl. Publ. 1*: 40, 1974 (India, Pakistan, Nepal, Bangladesh, Burma and Yunnan). Tandon and Sharma, *J. Zool. Soc. India*, **28**(1 & 2): 59, 1976 (Kangra and Hamirpur Dists. of H.P.). Shrestha, *Fish. Nepal*, p. 91, 1981 (Kathmandu: Bishnumati, Bagmati, Balkhu river; Birgunj: Bagmati rivers; Biratnagar : Majuwa river; Dudhamati river, Janakpur). Jayaram, *HBFW Fish. India*, p. 102, 1981 (Throughout India). Jayaram et al., *Rec. Zool. Surv. India, Occ. Pap.*, No. 36 : 63, 1982 (Throughout India). Lipton, *Matsya 9-10*: 113, 1983-84 (rivers and ponds of Tripura). Sen, *Rec. Zool. Surv. India Occ. Pap.*, No. 64: 78, 1985 (India). Talwar and Jhingran (in part), *Inland, Fish 1*: 288, fig. 99, 1991 (Pakistan, India, Nepal Bangladesh, Burma and Yunnan). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **135**: 15, 1991

*Puntius stigma*, Mahajan, *J. Bombay nat. His. Soc.*, **62**(3): 446, 1966 (Muzaffarnagar Dist., U.P.). Das and Nath, *Kashmir Sci.*, **8**(1-2): 2,5,11,1971 (*Jammu*). Sagal et al., *J. Inland Fish. Soc. India*, **3** : 66, 1971 (Kangra Valley). Tandon and Gupta, *J. Zool. Soc. India*, **27**(1-2): 20, 1975 (Ferozepur Dist., Punjab).

*Distribution* : India : Throughout India, Pakistan, Bangladesh. Burma. Yunnan (China).

*Habitat* : Rivers, streams and ponds in the plains and submontaine regions.

*Size* : 18.0 cm T.L.

### 133. *Puntius terio* (Hamilton)

*Cyprinus terio* Hamilton, *Fish. Ganges*, pp. 313, 389, 1822 (Type-locality; Bengal), McClelland, *Asiat. Res. 19*: 286, 385, pl. 44, Fig. 7 (from Hamiltons Ms. drawings) 1839. Valenciennes (in C & V) *Hist. Nat Poiss*, **16**: 389, 1842.

*Cyprinus puntio* Hamilton, *Fish. Ganges*, pp. 318, 389, 1822.

*Systemus gibbosus* McClelland, *Asiat, Res.*, **19**: 286, 385, Pl. 44, fig. 7 (from Hamilton's Ms drawings) 1839.

*Systemus puntio*, Bleeker, *Verh. Bat. Gen.*, **25**: 62, 1853.

*Systemus terio*, Bleeker, *Verh. Bat. Gen.*, **25**: 62, 1853.

*Barbus terio*, Gunther, *Cat. Fish. Brit. Mus.*, **7**: 153, 1868. Day, *Proc. Zool. Soc. Lond.*, p. 376, 1869. Day, *Fish. India*, 580, pl. 144, fig.3, 1878 (Orissa, Bengal,

Assam). Day, *Faun. Brit. Ind. Fish.*, 1: 330, 1889. Hora, *Rec. Indian Mus.*, 40: 174, fig. 2, 1938 (Rajmahal hills).

*Barbus puntio*, Gunther, *Cat. Fish. Brit. Mus.*, 7: 154, 1868. Day, *Proc. Zool. Soc. Lond.*, p. 100, 1870. Day, *Fish. India*, 582, pl. 145, fig. 6, 1878 (Bengal and British Burma). Day, *Faun. Brit. Ind. Fish.*, 1: 334, 1889 (Bengal and British Burma).

*Puntius terio*, Menon, *Inland Fish. Soc. India. Spl. Publ.*, 1: 42, 1974 (Assam, W.Bengal, Bangladesh, Punjab, Orissa). Jayaram, *HBFW Fish India*, 103, 1981 (Orissa, Assam, W.Bengal, Bangladesh. Pakistan excluded). Sen, *Rec. Zool. Surv. India, Occ. Pap.*, 64: 85, 1985 (Assam, W.Bengal, Orissa, Punjab, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 1: 290, fig. 100, 1991 (Northern India, Bangladesh. Pakistan excluded).

*Puntius muzaffarpurensis* Srivastava *et al.*, *Matsya*, 2: 72, fig. 1, 1976 (Type-locality : R. Bhagmatil at Saidpur, Muzaffarpur, Bihar). Srivastava, *Fish. U.P. and Bihar*, 65, fig. 45, 1980. Jayaram, *HBFW Fish. India*, 101, 1981.

*Distribution* : India: Orissa, West Bengal, Assam. Bangladesh. Burma.

*Habitat* : Rivers and standing waters over silt and mud.

*Size* : 10.0 cm TL.

*Status* : Rare.

#### 134. *Puntius ticto* (Hamilton)

*Cyprinus ticto* Hamilton, *Fish. Ganges*, pp. 314, 398, Pl. 8, figs. 87, 1822 (Type-locality : Southen east part of Bengal).

*Systemus ticto*, McClelland, *Asiat. Res.*, 19: 382, 1839. Bleeker, *Verh. Bat. Gen.*, 25: 62, 128, 1853.

*Barbus ticto*, Gunther, *Cat. Fish. Brit. Mus.*, 7: 153, 1868. Day, *Fish. India*, p. 576, pl. 144, fig. 7, 1878 (Throughout India except Kerala & South T N. Ceylon excluded). Day, *Faun. Brit. Ind. Fish.*, 1: 325, 1889. Shaw and Shebbeare, *J. Asiat. Soc., Beng.*, 3: 43, fig. 38, 1937 (R. Mahanadi and R. Panchenai, Terai of N. Bengal). Hora, *J. Bombay nat. Hist. Soc.*, 40: 28, fig. 3, 1938. Hora, Misra and Malik, *Rec. Indian Mus.*, 41: 263, 1939. Bhimachar and Rau, *J. Mys. Univ.*, 1. 145, 146, 147, 1941 (River Badra near Hebbe; tank near Narashimharajapur, tank near Kuppaa; hill stream and River Hemavathi at Kottigehar; Ayyanekere Tank near Sakrepatna). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, 28B(5): 169, 1948 (Shimoga, Hebbe, Hariharapur, Alambur, Alluru).

*Barbus mcClellandi* (nec C.V.), Day, *Proc. Zool. Soc. Lond.*, p. 619, 1869.

*Barbus* (*Puntius*) *stoliczkanus* Day, *J. Asiat. Soc. Beng.*, p. 328, 1871. *Fish. India*, p. 577, pl. 144, fig. 8, 1878 (Darjeeling and Eastern Burma). Day, *Faun. Brit. India, Fish.*, 1 : 326, 1889. Hora, *Rec. Indian Mus.*, 39, 330, Fig. 5, 1937.

*Barbus* (*Puntius*) *ticto*, Hora, *Rec. Indian Mus.*, 42: 369, 1940 (Mahanadi river at Rudri and Dhamtari bazaar). Fraser, *J. Bombay Nat. Hist. Soc.* 43(1): 82, 1942 (Mutha-Mala river, Poona). Datta, *Rec. Indian Mus.*, 50(1): 107, 1950 (River Banas, Rajasthan). Silas *J. Bombay nat. Hist. Soc.*, 49: 674, 1951 (Base of Anamalai Hills). Job, David and Motwani, *J. Asiat. Soc. Beg.*, 18(2): 166, 1952 (Barakar, Konar and Damodar rivers). Ranadae, *J. Bombay nat. Hist. Soc.*, 51(2): 473, 1953 (Baroda). Job, David and Das, *Indian J. Fish.*, 2(1): 33, 1955 (Hirakud Dam).

*Puntius ticto*, Menon, *Rec. Indian Mus.*, 50: 268, 1952. Chauhan and Ramakrishna, *Rec. Indian Mus.*, 51: 405, 1953. Misra, *Rec. Indian Mus.*, 57: 1959 (India, Pakistan and Ceylon). Srivastava, *Fish. East. U.P.*, p. 54, 1968 (Eastern U.P., Pakistan and Ceylon). Datta and Majumdar, *Rec. Indian Mus.*, 62: 89, 1970 (Rajasthan). Menon, *Inland Fish. Soc. India, Spl. Publ.*, 1: 42, 1974 (India, Pakistan, Bangladesh, Ceylon, Burma and Thailand excluded). Tandon and Sharma, *J. Zool. Soc. India.*, 28(1 & 2): 59, 1976 (Kangra and Hamirpur Dists., H.P.). Shrestha, *Fish. Nepal*, p. 92, 1981 (Biratnagar : Bagmati river ; Kathmandu). Sen, *Rec. Zool. Surv. India. Occ. Pap.*, 64: 82, 1985 (India, Bangladesh, Pakistan, Burma, Thailand and Sri Lanka excluded). Talwar and Jhingran (in part), *Inland, Fish.*, 1: 291, fig. 101, 1991 (Pakistan, India, Nepal, Bangladesh, Burma and Thailand excluded). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 118, 1991.

*Puntius ticto ticto*, Motwani and David, *J. Zool. Soc. India*, 9(1): 11, 1957, (River Sone). Jayaram, *HBFW Fish. India* p. 103, 1981 (throughout India, except Kerala and South T.N., Nepal, Pakistan, Bangladesh, Sri Lanka, Burma and Thailand excluded). Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No. 36 64, 1982 (throughout India except Kerala; Pakistan, Bangladesh, Burma and Thailand excluded).

*Puntius ticto punctatus* (nec. Day), David, *Proc. nat. Acad. Sci. India*, 33B(2): 280, 1963 (Godavary and Krishna).

*Distribution* : India except Kerala and South Tamil Nadu, Nepal, Pakistan, Bangladesh.

*Habitat* : Rivers, streams and ponds in clear waters chiefly with muddy substrate.

*Size* : 20.0 cm TL.

135. *Puntius vittatus* Day

*Puntius vittatus* Day, *Proc. Zool. Soc. Lond.* p. 303, 1865. (Type-locality : Madras). Day, *Fish. Malabar*, p. 215, pl. 13, fig. 1, 1865 (Malabar). Tilak, *Rec. Zool. Surv. India*, **65**: 95, 1972 (Mysore, Wynaad, Madras, Goa, Cutch, Malabar, Ceylon). Jayaram, *HBFW Fish. India*, p. 103, 1981 (Karnataka, Kerala, Tamil Nadu, Goa, Cutch and Sri Lanka. Rajasthan and Pakistan excluded). Jayaram *et al.*, *Rec. Zool. Surv. India, Occ. Pap.*, No. **36** : 65, 1982. Talwar and Jhingran, *Inland Fish.*, **1**: 293, fig. 102, 1991. Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **135**: 86, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 123, 1991 (throughout the Island).

*Barbus vittatus*, Gunther, *Cat. Fish. Brit. Mus.*, **7**: 156, 1868. Day, *Fish. India*. p. 582, pl. 144, fig. 2, 1878 (Mysore, Madras, Wynaad, Malabar, Ceylon and Cutch). Day, *Faun. Brit. Ind. Fish.*, **1**: 333, 1889.

*Barbus (Puntius) vittatus*, Hora, *Rec. Indian Mus.*, **44**(2): 195, 1942 (Mysore).

**Distribution** : India: Peninsular India: Goa, Cutch, Karnataka, Kerala, Tamilnadu. Srilanka.

**Habitat** : Ponds, streams, lakes in the plains. Common in paddy fields.

**Size** : 5.0 cm TL., commonly 3.5 cm.

Tribe	:	OREININI
Subtribe		OREININA
Genus 31		<i>Oreinus</i> * McClelland

*Oreinus* McClelland, *Asiat. Res.*, **19**(2) : 273, 1839 (Type, *Oreinus guttatus* McClelland, 1839 = *Oreinus richardsonii* Gray, 1832, designated by McClelland, 1839). Talwar, *Bull. Zool. Surv. India*, **1** (1) 84, 1978.

*Englottogaster* Gistel, *Naturg. Thierr. hoherer Schulen*. Stuttgart 1848 (substitute name for *Oreinus* allegedly preoccupied in Coleoptera).

136. *Oreinus kumaonensis* (Menon)

*Schizothorax kumaonensis* Menon, *Rec. Zool. Surv. India*, **63** (1-4) 205, 1971 (Type-locality Nainital, U.P., North India). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 43, 1974 (Nainital, Kumaon Himalayas). Tilak, *Faun. India Pisces*, p. 62, 1987. Talwar and Jhingran, *Inland Fish.*, **1** : 411, 1991 (Kumaon Himalayas).

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\* McClelland (1839) designated *Schizothorax esocinus* Heckel as the type of the genus *Schizothorax* Heckel and *Schizothorax plagiostomus* Heckel for the genus *Oreinus* McClelland and that this designation has a chronological priority over that of Bleeker in *Ned. Tijds. Dierk.*, 176-186. 1863.

*Distribution* : India : Uttar Pradesh : Nainital.

*Habitat* : Mountain streams.

*Size* : 18.5 cm TL.

*Status* : Rare.

### 137. *Oreinus richardsoni* (Gray)

*Cyprinus richardsoni* Gray, *Ill-Ind. Zool.*, **1**, pl. 94, fig. 2, 1832 (Type-locality : India).

*Schizothorax sinuatus* Heckel, *Fische Caschmir*, p. 21, pl. 2, 1838 (Type-locality : Kashmir). Heckel, *Fische Caschmir*, in *Hugel's Reise*, p. 359, fig. 2, 1844.

*Schizothorax plagiostomus* Heckel, *Fische Caschmir*, p. 16, pl. 1, 1838 (Type-locality : Kashmir). Heckel, *Fish. Caschmir in Hugel's Reiss*, p. 357, 1844. Valenciennes (in C & V) *Hist. Nat. Poiss.*, **16** : 213, 1842. Misra, *Rec. Indian Mus.*, **57** (1-4) : 166, 1959 (Kashmir, Assam, Eastern Himalayas, Pakistan, Afghanistan, Bhutan). Menon, *J. Zool. Soc. India*, **14**(1) : 27, 1963 (Ramganga, Brahmaputra, Ganges, Jamuna, Indus drainages). Bhatnagar, *Indian J. Fish.*, **11** : 85, 492, 1967. Pant, *Rec. Zool. Surv. India*, **64** (1-4) : 87, 1970 (Kumaon hills).

*Oreinus guttatus* McClelland, *Asiat. Res.*, **19** : 273, 344, pl. 39, fig. 1, 1839 (Bhutan).

*Gonorhynchus petrophilus* McClelland, *Asiat. Res.*, **19** : 281, 371, 1839 (Kumaon, Simla and Nepal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **11** : 466, 1842 (Kumaon).

*Oreinus richardsonii* McClelland, *Asiat. Res.*, **19** (2) : 335, 1839 (Simla). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 213, 1842. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 161, 1868 (Kumaon and Nepal). Beavan, *HBFW Fish. India*, pp. 76, 214, 1877 (Nepal). Day, *Fish. India*, p. 530, pl. 125, fig. 4, 1878 (Darjeeling, Nepal, Bhutan, Sub-Himalayan range). Day, *Faun. Brit. Ind. Fish.*, **1** : 249, 1889. Regan, *Rec. Indian Mus.*, **1** (2) : 157, 1907 (Soondrijal, Nepal). Chaudhuri, *Rec. Indian Mus.*, **8** : 247, 1913 (Yombung, Abor hills). Hora, *Rec. Indian Mus.*, **39**(1) : 44, 1937 (Nepal). Menon, *Proc. nat. Inst. Sci. India.*, **20**(4) : 481, 1954 (Brahmaputra, Bagmati, Gandak rivers). De Witt, *Stanford Ichthy. Bull.*, **7**(4) ; (2) : 233, 1972 (Nepal).

*Oreinus maculatus* McClelland, *Asiat. Res.*, **19** : 274, pl. 57, fig. 6, 1839 (Type-locality Simla). McClelland, *Calcutta J. Nat. Hist.*, **2** : 580, 1842 (Khyber Pass, head of Ali Musjid stream Kabul river, Himalaya and Gundamuk). Gunther, *Proc. Zool. Soc. Lond.*, 224, 1861 (Nepal).

*Oreinus sinuatus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 161, 1868 (Kashmir and Punjab). Day, *Fish. India*, p. 529, pl. 124, fig. 4, 1878 (Afghanistan, Himalayan rivers,

but not extending in the plains to far from their bases). Day, *Sci. Res. 2nd Yarkand Miss. Ichthyol.*, p. 3, 1884. Day, *Faun. Brit. Ind. Fish* 1 : 248, fig. 88, 1889. Mukerji, *Mem. Conn. Acad. Sci.*, 10(18) : 347, 1930 (Srinagar and Ladakh).

*Diptychus annandalei* Regan, *Rec Indian Mus.*, 1 : 157, 1907 (Perping and Kathmandu, Nepal). Mukerji, *Rec. Indian Mus.*, 33 : 63, 1931.

*Oreinus molesworthi* Chaudhuri, *Rec. Indian Mus.*, 8 : 247, pl. 7, fig. 2, 2a, 2b, 1913 (Type-locality : Yembung, Abor hills). Hora, *Rec. Indian Mus.*, 22 : 734, 1921 (Darjeeling). Hora, *Rec. Indian Mus.*, 37 : 391, 1935 (Chindwin drainage, Naga hills). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 17, fig. 9, 1937 (Upper reaches of the Balasaw River, North Bengal).

*Schizothorax richardsoni*, Menon, *J. Zool. Soc. India*, 14(1) : 27, 1963 (Brahmaputra, Kosi, Bhagmati and Gandak drainages). Pant, *Rec. Zool. Surv. India*, 64 (1-2) : 88, 1970 (Kumaon Hills). Menon, *Rec. Zool. Surv. India*, 63(1-4) : 203, pl. 1, fig. 1, 2, 4, 1971 (Assam, Eastern Himalayas through Bhutan, Sikkim and Nepal to Punjab, Kashmir and Afghanistan). Tilak, *Rec. Indian Mus.*, 65 (1-4) : 192, 209, pl. 1, figs. 5, 6, 1971 (Udhampur Dist.). Tilak, *Rec. Indian Mus.*, 66 (1-4) : 278, 181, 1972 (Ranjeet river, Sikkim). Venkateswarlu, *Indian J. Zool.*, 13 (3) : 122, 1972 (Bihar). Jayaram, *HBFW Fish. India*, p. 67, 1981 (Sub-Himalayan range, Bhutan, Nepal, Pakistan). Tilak and Sharma, *Game Fish. India and Angling*, p. 71, 1982 (Himalaya, Nepal, Bhutan, Sikkim, Afganistan). Tilak and Baloni, *Rec. Zool. Surv. India*, 81(3-4) : 256, 1984 (Tehri-Garhwal). Sharma, *Indian J. Anim. Sci.*, 54 (7) : 667, 1984 (Garhwal Himalaya). Tilak, *Faun. India Pisces.*, 50, 1987 (All along Himalayas, Jammu and Kashmir, Assam, Sikkim and Bhutan. Nepal. Afghanistan. Pakistan). Talwar and Jhingran, *Inland Fish.*, 1 : 411, fig. 145, 1991 (All along the Himalayas, from Jammu and Kashmir to Assam, Sikkim, Bhutan, Nepal, Pakistan and Afghanistan).

*Schizothorax richardsonii plagiostomus*, Mirza, *Proc. 1st. Pak. Congr. Zool.*, 18, 1980 (Pakistan).

*Schizothorax nepalensis* Terashima, *Jap. J. Ichthyol.*, 31(3) : 131, figs. 3c, 4c, 5c, 8, 1984. (Type-locality : Lake Rara, Northwestern Nepal).

**Distribution** : India All along the Himalaya, from Jammu and Kashmir to Assam through Sikkim. Bhutan. Nepal. Pakistan and Afghanistan.

**Habitat** : Mountain streams and rivers.

**Size** : 60.0 cm TL.

Genus 32      *Racoma* McClelland

*Racoma* McClelland, *Calcutta J Nat. Hist.*, 2 : 576, 1842 (Type, *Racoma labiata* McClelland).

138. *Racoma labiata* McClelland

*Racoma labiata* McClelland, *Calcutta J. Nat. Hist.*, 2: 578, pl. 15, fig. 3, 1842 (Type-locality : Kunave river, Afghanistan). Gunther *Cat. Brit. Mus.*, 7: 162, 1868.

*Schizothorax labiatus*, McClelland, *Calcutta, J. Nat. Hist.* 2: 578, pl. 15, fig. 1, 1842. Day, *Fish, India*, p. 532, 1877 (Foot-note). Day, *Faun. Brit, Ind. Fish.*, 1: 252, 1889. Hora, *Rec. Indian Mus.*, 36 (Pushut, Koonar river near Jallalabad). Mukerji, *Mem. Conn. Acad. Sci.*, 10(18): 3, 1936 (Ladakh).

*Schizothorax chrysochlora* McClelland, *Calcutta J. Nat. Hist.*, p. 577, Pl. 15, fig. 3, 1842 (Type-locality : Lahore (?), Kabul river). Hora, *J. Bombay nat. Hist. Soc.*, 37: 784-802, 1935.

*Schizothorax ritichianus* McClelland, *Calcutta, J. Nat. Hist.*, 2:580, 1842 (Type-locality : Helmund river). Gunther, *Cat. Fish. Brit. Mus.*, 7: 168, 1868. Day, *Fish. India*, p. 531, 1877 (Afghanistan). Day, *Faun. Brit. Ind. Fish.*, 1: 252, 1889 (Afghanistan).

*Schizothorax chrysochlorus*, Day, *Proc. Zool. Soc. Lond.*, p. 784, pl. 123, fig. 2, 1876. Day, *Fish. India*, p. 532, 1877 (foot-note). Day, *Faun. Brit. Ind. Fish.*, 1: 252, 1889.

*Schizothorax biddulphi* Gunther, *Ann. Mag. Nat. Hist.*, p. 400, 1876 (Type-locality : Afghanistan and Turkistan).

*Schizothoraichthys (Racoma) labiatus*, Tilak, *Faun. India Pisces*, p. 185, figs. 89, 94, 95 and 96, 1987 (Kashmir Valley, Indus River, Ladakh).

*Racoma labiata*, Mirza, *Pak. J. Zool.*, 20(2): 314, 1988 (Pakistan).

*Schizothoraichthys labiatus*, Talwar and Jhingran, *Inland Fish.*, 1: 404, 1991.

*Distribution* : India Jammu and Kashmir : Kashmir Valley; Ladakh (Indus river). Pakistan Chitral Swat and Zhob rivers. Afghanistan : Konar and Kabul rivers near Jallalabad; Helmund river.

*Habitat* : Mountain streams and rivers.

*Size* : 30.0 cm TL.

139. *Racoma progasta* (McClelland)

*Oreinus progastus* McClelland, *Asiat Res.*, 19: 274, 343, pl. 40 fig. 4, 1839 (Upper Assam). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16: 325, 1842.

*Oreinus hodgsonii* Gunther, *Proc. Zool. Soc. Lond.*, p. 224, 1861 (Nepal). Gunther, *Cat. Fish. Brit. Mus.*, 7: 167, 1868.

*Schizothorax progastus*, Day, *Fish. India*, p. 532, pl. 122, fig. 7, 1877 (Himalayas, from the headwaters of Ganges to Sadiya in Upper Assam. Common in Hardwar). Day, *Faun. Brit. Ind. Fish.*, 1: 253, 1889 (Himalayas, Ganges, Upper Assam). Chaudhuri, *Rec. Indian Mus.*, 8: 248, 1913 (Abor Hills, Assam). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 18, fig. 10, 1937 (Mountain stream about 200 ft. high. N. Bengal). Silas, *J. Bombay nat. Hist. Soc.*, 57(1): 71, 1960 (Kashmir valley). Banarescu and Nalbant, *Khumb. Himal.*, 4(2): 237, 1972 (Nepal). Venkateswarlu, *Indian J. Zool.*, 13(3): 122, 1972 (Bihar). Badola and Pant, *Indian J. Zool.*, 14(1): 39, 1973 (Uttar Khasi dist; Garhwal). Badola, *Indian J. Zool.*, 16: 66, 1975 (Alaknanda and Ganga rivers, Pauri-Garhwal). Shrestha, *Fish. Nepal*, p. 121, 1981 (Dhading : Trisuli river, Jajarkot: Bheri river, Chisapani Kamali river, Taplejung: Tamar).

*Schizothoraichthys progastus*, Misra, *Rec. Indian Mus.*, 57: 168, 1959. Menon, *J. Zool. Soc. India*, 14(1): 27, 1962 (Brahmaputra, Bagmati and Gandak drainages). Tilak, *Faun. India Pisces*, p. 178, figs. 90-93, 1987.

*Schizopyge progastus*, Jayaram, *HBFW Fish. India*, p. 64, 1981 (Himalaya, from head waters of Ganga to Sadiya in Assam. Nepal).

*Schizothorax raraensis* Terashima, *Japan J. Ichthyol*, 31(2): 123, fig. 2, 3A, 4A, 1984 (Type-locality Lake Rara, N. W Nepal).

*Schizothorax macrophthalmus* Terashima, *Japan J. Ichthyol*, 31(2): 129, fig. 3B, 4B, 5B and 7, 1984 (Type-locality : Lake Rara, Northwestern Nepal).

*Schizothraichthys macrophthalmus*, Talwar and Jhingran *Inland Fish.*, 1: 405, 1991 (Rara Lake).

**Distribution :** India: Uttar Pradesh (Bagmati, Gandak Rivers); Assam : (Brahmaputra drainage). Nepal.

**Habitat :** Mountain streams and rivers.

**Size :** 50.0 cm TL.

### Genus 33 *Schizothorax* Heckel

*Schizothorax* Heckel, *Fische Caschmir* p. 11, 1838 (Type, *Schizothorax esocinus* Heckel, 1838, designated by McClelland (1839): Talwar, *Bull. Zool Surv. India*, 1(1): 83, 1978.

*Schizopyge* Heckel, *Reisen in Europa, Asian und Africa*, p. 285, 1843 (Type, *Schizothorax curvifrons* Heckel, 1838, designated by Bleeker 1863).

*Opistocheilus* Bleeker, *Nat. Tij. Ned. Ind.*, **20**: 425, 1860 (Type, *Opisotcheilus propius* McClelland by original designation).

*Schizothoraichthys* Misra, *Rec. Indian Mus.*, **57**: 48, 1962 (Type, *Schizothorax esocinus* Heckel, 1838, by original designation). Tilak, *Faun. India Pisces*, p. 47, 1987.

#### 140. *Schizothorax curvifrons* Heckel

*Schizothorax curvifrons* Heckel, *Fische Caschmir*, p. 25, pl. 3, 1838 (Type-locality : Kashmir). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16**: 216, 1842. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 164, 1868. Day, *Fish. India*, p. 532, 1878 (Cashmir). Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889. Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova, Ser. 3a*, **7**: 141, 1916.

*Schizothorax intermedius* McClelland, *Calcutta J. Nat. Hist.*, **2**: 579, 1842. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 165, 1868. Day, *Proc. Zool. Soc. Lond.*, p. 786, 124, fig. 1, 1876 (Afghanistan and Turkistan). Day, *Fish. India*, p. 532, 1877 (footnote). Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889. Hora, *J. Bombay Nat. Hist. Soc.*, **37**: 784-802, 1935 (Afghanistan).

**Distribution** : India : Jammu and Kashmir : Kashmir valley. Pakistan : Indus system. Afghanistan.

**Habitat** : Mountain rivers and lakes.

**Size** : 14.0 cm TL., 1.25 kg.

**Status** : Vulnerable.

#### 141. *Schizothorax esocinus* Heckel

*Schizothorax esocinus* Heckel, *Fische Caschmir*, p. 48, pl. 9, 1838. McClelland, *Calcutta J. Nat. Hist.*, **2**: 579, 1842. Valenciennes (in C & V), *Hist. nat. Poiss.*, **16**: 221, 1842. Heckel, *Fische Caschmir*, p. 372, 3 figs., 1844. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 166, 1868. Day, *Proc. zool. Soc. Lond.*, p. 785, 1876. Day, *Fish. India*, p. 533, pl. 123, fig. 4, 1877. Day, *Sci. Res. 2nd. Yarkand. Miss. Ichth.*, p. 4, pl. 1, fig. 4, 1878. Day, *Faun. Brit. Ind. Fish.*, **1**: 254, 1889. Zugmayer, *Zool. Jahrb.*, **29**: 277, 1910. Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova*, (3) **7**: 142, 1916. Hora, *Rec. Indian Mus.*, **36**: 297, 1934 (Chitral, Afghanistan). Silas *J. Bombay nat. Hist. Soc.*, **57**(1): 71, 1960.

*Schizothorax punctatus* Day, *Proc. zool. Soc. Lond.*, p. 785, 1876. Day, *Fish. India*, p. 532, pl. 123, fig. 3, 1877 (foot-note). Day, *Sci. Res. 2nd Yarkand Miss. Ichth.*, p. 4, pl. 1, fig. 3, 1878. Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889 (footnote). Mukerji, *Mem. Conn. Acad. Art and Sci.*, **10**: 339, 1936.

*Schizothoraichthys esocinus*, Misra, *Rec. Indian Mus.*, **57**: 161, fig. 88, 1959. Tilak

and Sinha, *Ann. Zool.*, **32**(13): 290, 1975. Tilak and Sharma, *Game Fish. India and Angling*, p. 71, fig. 20-24, 1982. Talwar and Jhingran, *Inland Fish.*, **1**: 402, 1991 (Indus river and the tributaries in Ladakh, Kashmir Valley and Afghanistan).

*Schizothoraichthys (Schizothoraichthys) esocinus*, Tilak, *Faun. India Pisces*, p. 168, fig. 84-89, 1987.

*Schizopyge esocinus*, Mirza, *Pak. J. zool.*, **20**(2): 314, 1988 (Pakistan).

*Distribution* : India : Ladakh (Indus and its tributaries) Kashmir. Pakistan. Afghanistan.

*Habitat* : Mountain streams, rivers and lakes.

*Size* : 20.0 cm TL.

*Status* : Vulnerable.

#### 142. *Schizothorax hugelii* Heckel

*Schizothorax hugelii* Heckel, *Fische Cashmir*, p. 36, pl. 7, 1838 (Type-locality : Kashmir). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16**: 219, 1842. Heckel, *Fische Kashmir*, in *Hugel's Reise*, p. 367, 1844. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 164, 1868. Day, *Fish. India*, p. 532, 1877 (foot-note). Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889. Silas J. *Bombay nat. Hist. Soc.*, **57**(1): 71, 1960 (Kashmir).

*Schizothoraichthys hugelli*, Misra, *Rec. Indian Mus.*, **57**: 48, 1959. Tilak and Sinha, *Ann. Zool.*, **32**(13) : 290, 1975. Talwar and Jhingran, *Inland Fish.*, **1**: 403, 1991 (Kashmir Valley).

*Schizothoraichthys (Schizothoraichthys) hugelli*, Tilak, *Faun. India Pisces*, p. 147, figs. 59, 74-76, 1987.

*Distribution* : India . Jammu and Kashmir : Kashmir valley.

*Habitat* : Mountain streams and lakes.

*Size* : 30.0 cm TL.

*Status* : Vulnerable.

#### 143. *Schizothorax longipinnis* Heckel

*Schizothorax longipinnis* Heckel, *Fische Caschmir*, p. 27, pl. 4, 1839 (Type-locality Kashmir). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16**: 216, 1842. Heckel, *Fische Caschmir*, in *Hugel's Reise*, p. 362, 1844. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 166, 1868. Day, *Fish. India*, p. 532, 1878 (foot-note). Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889. Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova*,

(3)7: 141, 1916 (Central Asia). Mukerji, *Mem. Conn. Acad. Sci.*, **10**: 334, 1936. Hora *Rec. Geol. Surv. India*, **72**(2): 181, 1937 (fossil scale).

*Schizothoraichthys (Schizothoraichthys) longipinnis*, Tilak, *Faun. India Pisces*, p. 129, 1987.

*Schizopyge longipinnis*, Mirza, *Pak. J. zool.*, **20**(2): 314, 1988 (Pakistan).

*Schizothoraichthys longipinnis*, Talwar and Jhingran, *Inland Fish.*, **1**: 405, 1991.

*Distribution* : India : Jammu and Kashmir: Kashmir Valley and Ladakh. Pakistan : Indus river.

*Habitat* : Rapidly running streams and rivers entering lakes.

*Size* : 25.0 cm TL.

*Status* : Vulnerable.

#### 144. *Schizothorax micropogon* Heckel

*Schizothorax micropogon* Heckel, *Fische Caschmir*, p. 41, pl. 8, fig. 1, 1838 (Type-locality : Kashmir). Valenciennes (in C & V), *Hist. nat. Poiss.*, **16**: 220, 1842. Heckel, *Fische Kaschmir*, in *Hugel's Reise*, p. 369, 3 figs, 1844. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 163, 1868. Day, *Fish. India*, p. 532, 1877 (foot-note). Day, *Faun., Brit. Ind. Fish.*, **1**: 252, 1889 (foot-note). Mukerji, *Mem. Conn. Acad. Sci.*, **10**: 343, 1936.

*Schizothoraichthys (Schizothoraichthys) micropogon*, Tilak, *Faun. India Pisces*, p. 154, fig. 64, 77-79, 1987.

*Schizothoraichthys micropogon*, Talwar and Jhingran, *Inland Fish.*, **1**: 406, 1991.

*Schizopyge micropogon*, Mirza, *Pak. J. zool.* **20**(2) : 314, 1988 (Pakistan).

*Distribution* : India: Jammu and Kashmir : Kashmir Valley and Ladakh. Pakistan.

*Habitat* : Mountain lakes and adjoining channels.

*Size* : 19.0 cm TL.

*Status* : Vulnerable.

#### 145. *Schizothorax nasus* Heckel

*Schizothorax nasus* Heckel, *Fische Caschmir*, p. 32, pl. 6, 1838 (Type-locality : Kashmir). Valenciennes. (in C & V), *Hist. nat. Poiss.*, **16**: 218, 1842. Heckel, *Fische Kaschmir*, in *Hugel's Reise*, p. 367, 1844. Gunther, *Cat. Fish. Brit. Mus.*, **7** 166. 1868. Day, *Fish India*, p. 532, 1878 (Cashmere). Day, *Faun. Brit. Ind. Fish.*, **1**: 252. 1889 (Kashmir). Alcock, *Nat. Hist. Pamir, Bound.*

*Comm.*, p. 37, 1898, (Yasin river). Silas, *J. Bombay nat. Hist. Soc.*, **57**(1): 71, 1960 (Kashmir Valley).

*Schizothorax intermedius* (nec McClelland), Mirza and Awan, *Biologia*, **25**(1&2): 15, fig. 14, 1979 (Pakistan and Azad Kashmir).

*Schizothoraichthys* (*Schizothoraichthys*) *nasus*, Tilak, *Faun. India Pisces*, p. 144, figs. 59, 70-73, 1987 (Kashmir valley).

*Distribution* : India : Jammu and Kashmir Kashmir valley. Pakistan.

*Habitat* : In mountain rivers, streams and lakes.

*Size* : 30.0 cm TL.

*Status* : Vulnerable.

#### 146. *Schizothorax niger* Heckel

*Schizothorax niger* Heckel, *Fische Caschmir*, p. 29, pl. 5, 1838 (Type-locality Kashmir). Valenciennes (in C & V). *Hist. Nat. Poiss.*, **16**: 217, 1842. Heckel, *Fische Kaschmir in Hugel's Reise*, p. 364, 1844 (Kashmir). Gunther, *Cat. Fish. Brit. Mus.*, **7**: 164, 1868 (Kashmir). Day, *Fish. India*, p. 531, 1878 (Kashmir). Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889. Mukerji, *Mem. Conn. Acad. Sci. Art.*, **10**(18): 343, 1936.

*Schizothorax planifrons* Heckel, *Fische Caschmir*, p. 44, pl. 8, fig. 2, 1838 (Kashmir). Valenciennes (in C & V). *Hist. Nat. Poiss.*, **16**: 220, 1842. Heckel, *Fische Kaschmir in Hugel's Reise*, p. 370, 3 figs. 1844. Gunther, *Cat. Fish. Brit. Mus.*, **7**: 163, 1868. Day, *Fish. India*, p. 532, 1878 (Cashmere). Day, *Faun. Brit. Ind. Fish.*, **1**: 252, 1889 (Kashmir). Zugmayer, *zool. Jb. Ab. Syst.*, **29**: 10(8) 340, 1936. Silas, *J. Bombay Nat Hist. Soc.*, **57**(1): 71, 1960 (Kashmir valley).

*Schizothoraichthys planifrons*, Misra, *Rec. Indian Mus.*, **57**: 48. Tilak and Sinha, *Ann. Zool.*, **32**(13): 292, 1975.

*Schizothoraichthys niger*, Tilak and Sinha, *Ann. Zool.*, **32**(13): 292, 1975.

*Schizothoraichthys* (*Schizothoraichthys*) *niger*, Tilak, *Faun. India, Pisces*, p. 136, figs. 59, 65-69, 1987 (Kashmir valley).

*Schizothoraichthys* (*Schizothoraichthys*) *planifrons*, Tilak, *Faun. India Pisces*, p. 161 figs. 59, 80-83, 1987 (Kashmir).

*Schizothoraichthys niger*, Talwar and Jhingran, *Inland Fish.*, **1**: 407, 1991 (Kashmir valley).

*Schizothoraichthys planifrons*, Talwar and Jhingran, *Inland Fish.*, **1**: 408, 1991 (Kashmir valey).

**Distribution :** India : Jammu and Kashmir : Kashmir valley.

**Habitat :** Lakes and adjoining channels.

**Size :** 30.0 cm. TL, 2.7 kg.

**Status :** Vulnerable.

**Genus 34 : *Diptychus* Steindachner**

*Diptychus* Steindachner, *Verh. zool. bot. Ges. Wien.*, **16**: 787, 1866 (Type, *Diptychus maculatus* Steindachner).

**147. *Diptychus maculatus* Steindachner**

*Diptychus maculatus* Steindachner, *Verh. zool. bot. Ges. Wien.*, **16**: 788, pl. 13, fig. 5, 1866 (Type-locality : Tibet). Gunther, *Cat. Fish. Brit. Mus.*, **7**: 171, 1868. Day, *Proc. zool. Soc., Lond.*, p. 792, 1876. Day, *Fish. India*, p. 534, pl. 124, fig. 3, 1878 (Tibet, Nepal, Yarkand). Day, *Faun. Brit. Ind. Fish.*, **1**: 155, 1889 (Tibet, Yarkand, Nepal). Mukerji, *Mem. Conn. Acad. Sci. Art.*, **10**(18): 354, 1936 (Ladakh). Silas, *J. Bombay nat. Hist. Soc.*, **57**(1): 71, 1960 (Kashmir). Talwar, *J. Bombay nat. Hist. Soc.*, **74**(3): 504, 1977 (Ladakh). Jayaram, *HBFW Fish., India*, p. 69, 1981 (Indus and Yarkand river : Tibet and Nepal; Pakistan). Tilak, *Faun. India Pisces*, p. 180, 1987. Talwar and Jhingran, *Inland Fish.*, **1**: 393, fig. 140, 1991 (Pakistan : Indus river. India : Ladakh, Chandra Bhag river in Lahul and Spiti valley (H.P.). Tibet and Nepal).

**Distribution :** Pakistan : Indus river. India : Ladakh; Himachal Pradesh : Chandra Bhaga river in Lahul and Spiti valley. China : Sinkiang : Yarkand river, Tarim river. Tibet. Nepal.

**Habitat :** Mountain streams and lakes.

**Size :** 35.0 cm TL.

**Genus 35 : *Ptychobarbus* Steindachner**

*Ptychobarbus* Steindachner, *Verh. zool. bot. Ges. Wien.*, **16**: 789, 1866 (Type, *Ptychobarbus conirostris* Steindachner).

**148. *Ptychobarbus conirostris* Steindachner**

*Ptychobarbus conirostris* Steindachner, *Verh. zool. bot. Ges. Wien.*, p. 789, pl. 17, fig. 4, 1866 (Type-locality Ladakh, 15,200 ft). Gunther, *Cat. Fish. Brit. Mus.*, **7** 169, 1868. Day, *Proc. Zool. Soc. Lond.*, 789, 1876. Day, *Fish. Yarkand*, p. 789, 1876 (Yarkand). Day, *Fish. India*, p. 533, pl. 125. fig. 3, 1878 (Head waters of Indus and Tibet). Day, *Faun. Brit. Ind. Fish.*, **1**: 254, 1889 (Indus and Tibet). Mukerji, *Mem. Conn. Acad. Sci.*, **10**(18): 356, 1936 (Upper Indus,

Ladakh). Mirza, Proc. 1st. Pak. Congr. (Zool). p. 19, 1980 (Northern areas of Pakistan, Kashmir and Afghanistan). Talwar and Jhingran, *Inland Fish.*, **1**: 397, 1991.

*Ptychobarbus rattansis* Malhotra and Jyoti, *Jammu Univ. Rev.*, **5**(8): 47, 1972 (Kashmir).

**Distribution** : India Kashmir Ladakh. Tibet. Pakistan Yasin river and Gilgit.

**Habitat** : Mountain streams and rivers.

**Size** : 30.0 cm TL.

#### Genus 36 *Schizopygopsis* Steindachner

*Schizopygopsis* Steindachner, *Verh. Zool. bot. Ges. Wien.*, **16**: 785, 1866 (Type, *Schizopygopsis stoliczkae* Steindachner).

#### 149. *Schizopygopsis stoliczkae* Steindachner

*Schizopygopsis stoliczkae* Steindachner, *Verh. Zool. bot. Ges. Wien.*; p. 785, 1866 (Type-locality : Ladakh). Gunther, *Cat. Fish. Brit. Mus.*, **7**: 170, 1868. Day, *Fish. Yarkand*, p. 791, 1876 (Yarkand, Afganistan). Day, *proc. zool. Soc. Lond.*, p. 791, 1876. Day, *Fish. India*, p. 531, pl. 124, fig. 2, 1878 (Leh, headwaters of Indus, tributaries of Yarkand and Oxus rivers). Day, *Faun. Brit. Ind. Fish.*, **1**: 251, 1889. Annandale and Hora, *Rec. Indian Mus.*, **18**: 173, 1920 (Helmund river, Seistan, Afghanistan). Hora and Mukerji, *Zoologie*, p. 427, 1935 (Nubra valley of Indus and Karakush valley of Tarim river). Tilak, *Faun. India Pisces*, p. 69, figs. 29-33, 1987. Talwar and Jhingran, *Inland Fish.*, **1**: 399, 1991 (Afghanistan; Pakistan : Zirat valley and northern areas. India: higher reaches of Sutlej river (Kinnaur, Himachal Pradesh), and Indus river at Leh (Ladakh).

*Gymnocypris biswasi* Talwar, *J. Bombay nat. Hist. Soc.*, **74**(3): 501, fig. 1 (Type-locality : Chusul, Ladakh) (Based on Juvenile specimens). Tilak, *Faun. India Pisces*, p. 98, figs. 43-47, 1987.

**Distribution** : India Himachal Pradesh Kinnaur (Sutlej river); Kashmir Ladakh (Indus river). Pakistan Zirat Valley and Northern Province. Afghanistan and Tibet.

**Habitat** : Mountain streams and rivers.

**Size** 34.0 cm TL.

#### Genus 37 *Lepidopygopsis* Raj

*Lepidopygopsis* Raj, *Rec. Indian Mus.*, **43**: 210, 1941 (Type, *Lepidopygopsis typus* Raj).

150. *Lepidopygopsis typus* Raj

*Lepidopygopsis typus* Raj, *Rec. Indian Mus.*, **43**: 210, 1941 (Type-locality : Periyar Lake, Kerala). Hora and Law, *Rec. Indian Mus.*, **43**: 236, 1941. Tilak, *Faun. India Pisces*, p. 108, 1987. Jhingran, *Inland Fish.*, **1**: 396, Fig. 142, 1991 (Periyar lake, Kerala).

*Distribution* : Peninsular India Kerala : Periyar river and lake.

*Habitat* : Mountain streams, rivers and lakes.

*Size* : 25.0 cm TL.

*Status* : Rare.

Tribe	:	SEMILOTINI
Subtribe	:	SEMILOTINA
Genus 38	:	<i>Cyprinion</i> Heckel

*Cyprinion* Heckel, *Russ. Reis.*, **1**(2): 1015, 1843 (Type, *Cyprinion macrostomus* Heckel). Berg, *Rec. Indian Mus.*, **35**(2): 193, 1933 (Review).

*Semiplotus* Bleeker, *Atl. Ichth.*, **3**: 25, 1863 (Type, *Cyprinius semiplotus* McClelland). Howes, *Bull. Brit. Mus. nat. Hist. (zool)*, **42**(4): 331, 1982.

*Scaphiodonichthys* Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova*, (2)9:285, 1890 (Type, *Scaphiodonichthys burmanicus* Vinciguerra). Howes, *Bull. Brit. Mus. Nat. Hist. (zool)*, **42**(4): 331, 1982.

*Scaphiodontopsis* Fowler, *Proc. Acad. nat. Sci. Philad.*, **86**: 117, 1934 (Type, *Scaphiodontopsis acanthopterus* Fowler).

*Osteochilichthys* Hora, *Rec. Indian Mus.*, **44**(1): 8, 1942 (Type, *Scaphiodon thomassi* Day).

*Kantaka* Hora, *Rec. Indian Mus.*, **44**(1) : 9, 1942 (Type, *Semiplotus brevidorsalis* Day).

151. *Cyprinion semiplotus* (McClelland)

*Cyprinus semiplotus* McClelland, *Asiat. Res.*, **19** : 274, 346, pl. 37, fig. 2, 1839 (Type-locality R. Brahmaputra, Upper Assam). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 68, 1842.

*Semiplotus maclellandi* Bleeker, *Atl. Ichth.*, **3** : 25, 1863. Day, *Faun. Brit. Ind. Fish.*, **1** : 281 1877 (Assam). Day, *Fish. India*, p. 550, pl. 133, fig. 4, 1877 (Assam). Gunther, *Cat. Fish. Brit. Mus.*, **7** : 204, 1868 (Assam).

*Semiplotus cirrhosus* Chaudhuri, *Rec. Indian Mus.*, **116** : 200, pl. 22, fig. 3. 3a, 1919 (Putas plain, U. Burma). Hora, *Rec. Indian Mus.*, **39** (1) 46, 1937 (Status).

*Semiplotus semiplotus*, Hora, *Rec. Indian Mus.*, **39** : 45, 1937 (Nepal Terai). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 59, fig. 56, 1937 (clear streams of lower hills, Terai and Duars, N. Bengal). Jayaram, *HBFW Fish. India*, p. 96, 1981 (Assam and Meghalaya).

*Cyprinion semiplotus*, Howes, *Bull. Brit. Mus. nat. Hist. (zool)*. **42**(4) : 331, fig. 1a, b & c, 1982. Talwar and Jhingran, *Inland Fish.*, **1** : 182, fig. 69, 1991 (Assam, Arunachal Pradesh, Meghalaya, N. Bengal and U. Burma.).

*Distribution* : India : Assam : Darjeeling. Nepal and Upper Burma.

*Habitat* : Mountain streams and rivers.

*Size* : 60.0 cm TL.

*Status* : Vulnerable.

#### 152. *Cyprinion modestus* (Day)

*Semiplotus modestus* Day, *Proc. zool. Soc. Lond.*, p. 101, 1870 (Type-locality : Hill-ranges near Akyab). Day, *Fish. India*, p. 550, pl. 133, fig. 1, 1878 (Hill-ranges near Akyab). Day, *Fauna Brit. Ind. Fish.*, **1** : 281, 1889. Barman, *J. Bombay nat. Hist. Soc.*, **85**(1) : 210, 1988 (Koladyne river, Sangao, Mizoram).

*Cyprinion modestum*, Howes, *Bull. Br. Mus. nat. Hist. (zool)*, **42**(4) : 331, 1982 (Akyab Hills, Upper Burma). Talwar and Jhingran, *Inland Fish.*, **1** : 181, 1991 (U. Burma, and Mizoram).

*Distribution* : India : Mizoram : Koladyne river. Burma : Hill-ranges near Akyab.

*Habitat* : Mountain streams and rivers.

*Size* : 20.0 cm TL.

*Status* : Rare.

#### 153. *Cyprinion longidorsalis* (Pethiyagoda & Kottelat)

*Osteochilichthys longidorsalis* Pethiyagoda and Kottelat, *J. South Asian. nat. Hist.*, **1**, no. 1 : 99, 1994 (Type-locality : upstream of Chalakudy River)

*Distribution* : India : Kerala : Western Ghats : Upstreams of Chalakudy River.

*Habitat* : Hill streams and upper reaches of rivers.

*Size* : 13.5 cm TL.

#### 154. *Cyprinion nashii* (Day)

*Barbus nashii* Day, *Proc. zool. Soc. Lond.*, p. 584, 1868 (Type-locality : Fraserpett river, Coorg, Karnataka).

*Osteocheilus malabaricus* Day, *J. Linn. Soc.*, **11** : 527, 1873 (Vithry, Wynaad). Day, *Fish. India*, p. 552, 1877 (footnote).

*Labeo nashii*, Beavan, *HBFW Fish. India*, p. 66, 1877 (Base of the Coorg hills).

*Scaphiodon nashii*, Day, *Fish. India*, p. 552, pl. 133, fig. 3, 1878 (Coorg, hill streams of South Canara and Wynaad). Day, *Faun. Brit. Ind. Fish.*, **1** : 285, 1889. Bhimchar and Rau, *J. Mys. Univ.*, **1** : 46, 1941 (River Thunga at Hariharpur, Kadur, Mysore State). Hora, *Rec. Indian Mus.*, **44** : 5, 1942 (Coorg).

*Scaphiodon thomassi* Day, *Fish. India*, p. 551, pl. 134, fig. 1, 1878 (Type-locality : South Canara). Day, *Faun. Brit. Ind. Fish.*, **1** : 285, 1889. Mukerji, *J. Bombay nat. Hist. Soc.*, **35** (1) : 169, 1932 (Bhavany river, Nilgiris). Hora, *Rec. Indian Mus.*, **44** : 3, 1942 (Revision).

*Osteochilus (Osteochilichthys) thomassi*, Hora, *Rec. Indian Mus.*, **44** (1) : 3, fig. 2a, 1942. Silas, *J. Bombay nat. Hist. Soc.*, **49** : 674, 1951 (Ponnani drainage, Anamalai Hills). Misra, *Rec. Indian Mus.*, **57** : 168, 1959 (South Canara). David, *Proc. nat. Acad. Sci.*, **33B** (2) : 269, 1963 (Krishna river). Jayaram, *HBFW Fish. India*, p. 129, 1981 (South Canara).

*Osteochilus (Osteochilichthys) nashii* Hora, *Rec. Indian Mus.*, **44** (1) : 4, fig. 3a, b, c, 1942 (Revision). Rajan, *J. Bombay nat. Hist. Soc.*, **53** (1) : 45, 1955 (Bhavani river). Misra, *Rec. Indian Mus.*, **57** : 168, 1959 (Coorg, Canara and Wynaad). Jayaram, *HBFW Fish. India*, p. 129, 1981 (Bhavani River, Coorg. Wynaad).

*Osteochilus nashii*, Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B** (5) : 170, 1948 (Shimoga, Hariharpur, Thungabhadra).

*Osteochilus godavariensis* Rao, *Sci. Cult.*, **43** : 491, 1977 (Type-locality : Godavari river basin, Kirkee Nallah, Chandpan Nagar Dist., Maharashtra).

*Distribution* : India : Deccan (Krishna and Godavary), Coorg, Dakshina Kannada, Nilgiris and Anamalai hills.

*Habitat* : Large hills streams and rivers.

*Size* : 18.0 cm TL.

*Status* : Vulnerable.

#### 155. *Cyprinion brevidorsalis* (Day)

*Semiplotus brevidorsalis* Day, *Proc. Zool. Soc. Lond.*, p. 239, 1873 (Type-locality : Rivers below Neilgherry hills).

*Scaphiodon brevidorsalis* Day, *Fish. India*, p. 552, pl. 133, fig. 2, 1878 (Rivers below the Neilgherry hills in the Madras Presidency). Day, *Faun. Brit. Ind. Fish.*,

**1** : 286, 1889. Mukerji, *J. Bombay Nat. Hist. Soc.*, **35** : 169, 1931 (Bhavani River). Hora, *Rec. Indian. Mus.*, **44** (1) : 5, 1942 (Revision).

*Osteochilus (Kantaka) brevidorsalis* Hora, *Rec. Indian Mus.* **44**(1) 10, 1942. Rajan, *J. Bombay, Nat. Hist. Soc.*, **53**(1) 45, 1955 (Bhavani river, Nilgiris).

*Distribution* : India : Tamil Nadu Nilgiris Bhavani River, Cauvery.

*Habitat* : Large streams and rivers below the ghats.

*Size* : 26.5 cm TL.

*Status* : Vulnerable.

Tribe		LABEONINI
Subtribe	:	LABEONINA
Genus 39		<i>Catla</i> * Valenciennes

*Gibelion* Heckel, in *Russ. Reis.*, **1**(1) : 1014, 1842 (Type, *Cyprinus catla* Hamilton).

*Catla* Valenciennes, *Hist. nat. Poiss.*, **18** 140, 1844 (Type, *Catla bucharani* Valenciennes = *Cyprinus catla* Hamilton).

#### 156. *Catla catla* (Hamilton)

*Cyprinus catla* Hamilton, *Fish. Ganges.*, pp. 287, 318, 387, pl. 13, fig. 81, 1822 (Type-locality rivers and tanks of Bengal). McClelland, *Asiat. Res.*, pp. 275, 348, 1840. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 433, 1842. Hora, *Mem. Indian Mus.*, **9** (4) 189, 1929.

*Cyprinus abramioides* Sykes, *Trans. zool. Soc.*, **2** : 353, pl. 61, fig. 2, 1841.

*Leuciscus catla*, Valenciennes, *Balang. voy, Ind. Orient.*, p. 379, pl. 3, fig. 2, 1841.

*Catla bucharani* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17** : 411, pl. 515, 1844. Bleeker, *Verh. Bat. Gen.*, **25** : 142, 1853. Gunther, *Cat. Fish. Brit. Mus.*, **34** : 1868. Day, *Proc. zool. Soc. Lond.*, p. 370, 1869. Day, *Fish. India*, p. 553. pl. 134, fig. 5, 1878 (Sind, Punjab to Bihar). Day, *Faun. Brit. Ind. Fish.*, **1** 288. fig. 99, 1889 (Sind, Punjab, throughout India to Kistna and eastwards through Bengal and Burma to Siam).

*Hypselobarbus abramioides*, Bleeker, *Consp. Syst. Cypr.*, p. 430, 1860.

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\* The name *Catla* is used though an earlier name *Gibelion* is available. Since the species *Catla catla* is of great economic importance and hundreds of books, monographs and papers etc. mention this species as *Catla catla*, the change is not considered desirable. If a change is a must, the International Commission of Zoological Nomenclature should be moved for the necessary change.

*Hypselobarbus (Tambra) abramioides*, Bleeker, *Ichth. Arch. Ind. Prodr.*, **2** : 275, 1860.

*Catla catla*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 44, pl. 5, fig. 5, text-fig. 40, 1937 (N. Bengal). Chacko and Kuriyan, *Proc. Indian. Acad. Sci.*, **28 B (5)** : 170, 1948 (Alampur, Hyderabad, Sunkasela, Kurnool). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18(2)** : 167, 1952 (Baraka, Konar and Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2(1)** : 9 & 33, 1955 (Hirakud Dam, Mahanadi). David, *Proc. nat. Acad. Sci. India.*, **33B (2)** : 278, 1963 (Krishna and Godavari rivers). Menon, *J. zool. soc. India*, **14 (1)** : 27, 1963. Datta and Majumdar, *Rec. zool. Surv. India*, **62** : 86, pl. 5, fig. 15, 1970 (Bharatpur Dist., Rajasthan). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 23, 1974 (Northern India, Pakistan, Bangladesh and Burma, also introduced in the Cauvery in Peninsular India). Jayaram, *HBFW Fish. India*, p. 131, 1981 (throughout India upto Krishna, introduced into the Cauvery). Lipton, *Matsya*, **9-10** : 113, 1983-84 (in stocking ponds of Tripura). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. 64 : 52, 1985 (throughout India). Yazdani and Singh, *J. Bombay nat. Hist. Soc.*, **87** : 160, 1989 (Ujni wetland, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 163, fig. 62, 1991.

**Distribution** : Pakistan : Indus plain and adjoining hills. India : Northern India. Bangladesh. Nepal. Burma. Also introduced into the rivers of Peninsular India and Sri Lanka.

**Habitat** : Rivers, lakes and culture ponds.

**Size** : 182.0 cm TL., upto 120 cm in ponds.

#### Genus 40 : *Cirrhinus* Cuvier

*Cirrhinus*, Oken\*, *Isis*, 1817 : 1182 (on *Les Cirrhines*). Cuvier, *Regne Animale*, **2** : 193, 1817 (Type, *Cyprinus cirrhosa* Bloch). Banarescu, *Rev. Roum. Biol (zool)*, **28 (1)** : 13-17, 1983 (Revision).

*Henicorhynchus* Smith, *Bull. U.S. nat. Mus.*, (188) : 256, 1945 (Type, *Henicorhynchus lobatus* Smith = *Tylognathus siamensis* de Beaufort).

#### 157. *Cirrhinus cirrhosus* (Bloch)

*Cyprinus cirrhosus* Bloch, *Naturges. ausland Fish.*, **9** : 52, fig. 411, 1792 (Type-locality : Cauvery river, Tamil Nadu). Bloch and Schneider (in Schneider), *Syst. Ichth.*, p. 450. 1801

*Dangila leschenaultii* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 235, pl. 47, 1842 (Pondicherry).

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\* In *Isis*, 1817, Oken furnishes Latin equivalent to the French generic names used by Cuvier.

*Cirrhina blochii* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 290, 1842.

*Cirrhinus cauverii* Jerdon, *Madras J. Lit. Sci.*, **15** : 304, 1849.

*Cirrhina leschenaultii*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 36, 1868 (Peninsula of India).

*Cirrhina cirrhosa*, Day, *Fish. India*, p. 547, 1878 (Godavary, Krishna and Cauvery rivers). Day, *Faun. Brit. Ind. Fish.*, **1** : 277, 1889. Macdonald, *J. Bombay nat. Hist. Soc.*, **44**(4) : 531, fig. 12, 1944. David *et al.*, *Indian J. Fish.*, **14** : 62, 1967 (river Cauvery at Hogenakal and Kulithalai, Tamilnadu). Jayaram, *HBFW Fish. India*, p. 127, 1981 (Cauvery river. Krishna and Godavary excluded). Jayaram *et al.*, *Rec. zool. Surv. India Occ. Pap.*, No. 36 : 73, 1982 (Cauvery river). Banarescu, *Revu. Roum. Biol.*, **28** (1) : 15, 1983.

*Cirrhinus cirrhosus*, Talwar and Jhingran, *Inland Fish.*, **1** : 170, 1991 (Cauvery river. Godavari excluded).

**Distribution** : Peninsular India : Cauvery river system in Tamil Nadu and Karnataka. Day (1878) gives its distribution as Godavary, Krishna and Cauvery rivers and generally in South India. But it is not found today either in the Krishna or Godavari systems.

**Habitat** : Fast flowing streams and rivers.

**Size** : 60.0 cm. TL.

**Status** : Endangered.

#### 158. *Cirrhinus fulungee* (Sykes)

*Chondrostoma fulungee* Sykes, *Trans. zool. Soc.*, p. 358, 1841 (Type-locality : Dukhun). Bleeker, *Verh. Bat. Gen.*, **25** : 25, 1853.

*Cirrhina fulungee*, Day, *Fish. India*, p. 549, 1878 (Poona and the Deccan.). Day, *Faun. Brit. Ind. Fish.*, **1** : 280, 1889. Hora, *Rec. Indian Mus.*, **38** : 5, pl. 1, 1936. B̄himachar and Rao, *J. Mys. Univ.*, **1** : 146, 147, 1941 (river Tunga near Hariharpur, Ayyanakere Tank near Sakrepatna). Fraser, *J. Bombay nat. Hist. Soc.*, **43** (1) 82, 1942 (Mutha-Mula river, Poona). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B** (15) 169, 1948 (Shimoga, Mysore, Hariharpur, Kadur, Mysore, Sungavaram, Kurnool, A.P.). David, *Proc. nat. Acad. Sci., India*, **33** (2) 278, 1963 (Krishna river). Jayaram, *HBFW Fish. India*, p. 127, 1981 (Poona, Deccan, Karnataka). Jayaram, *et al.*, *Rec. zool. Surv. India. Occ. pap.*, No. 36 74, 1982 (Cauvery river). Talwar and Jhingran, *Inland Fish.*, **1** : 171, 1991 (Maharashtra and Karnataka).

*Distribution* : Peninsular India : Maharashtra and Karnataka : Krishna and Cauvery river systems.

*Habitat* : Rivers and tanks.

*Size* : 30.0 cm TL.

#### 159. *Cirrhinus horai* (Lakshmanan)

*Cirrhina horai* Lakshmanan, *J. zool. Soc. India*, **16** : 59, fig. 1, 1966 (Type-locality : River Godavary, Rajamundry). Jayaram, *HBFW Fish. India*, p. 127, 1981 (Godavary river, Rajamundry). Banarescu, *Rev. Roum., Biol.*, **28** (1) : 15, 1983 (Godavary river basin).

*Cirrhinus microps* (*nec* Steindachner), Talwar and Jhingran, *Inland Fish.*, **1** : 171, 1991 (Godavari system. Madras excluded).

*Distribution* : India : Andhra Pradesh : Rajahmundry : Godavary river system.

*Habitat* : Large rivers.

*Size* : 39.5 cm SL.

#### 160. *Cirrhinus mrigala* (Hamilton)

*Cyprinus mrigala* Hamilton, *Fish. Ganges*, pp. 297, 389, pl. 6, fig. 79, 1822 (Type-locality : Ponds and freshwater rivers of the Gangetic provinces). McClelland, *Asiat. Res.*, **19** : 276, 350, 1839 (Bengal and Assam). Hora *Mem. Indian Mus.*, **9** (4) : 189, 1929.

*Cirrhina rubripinnis* Valenciennes (in C & V), *Hist. nat. poiss.*, **16** : 288, 1842 (Type-locality : Ponds in Calcutta).

*Cirrhina plumbea* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 289, 1842 (Type-locality : R. Irrawady).

*Cirrhina mrigala*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 294, 1842. Gunther *Cat. Fish. Brit. Mus.*, **7** : 35, 1868 (Bengal, Hindustan). Day, *Fish. India*, p. 547, pl. 129, fig. 4, 1878 (rivers and tanks of Bengal, Deccan, N. W. Province, Punjab, Sind, Kutch, Burma). Day *Faun. Brit. Ind. Fish.*, **1** : 278, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 45, fig. 41, 1937 (Siliguri Bazar). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18** (2) : 167, 1952 (Baraka, Konar and Damodar rivers.) Job, David and Das, *Indian J. Fish.*, **2** (1) : 10, 1955 (Hirakud Dam). De Witt, *Stanford Ichth. Bull.*, **7** (4) : 841, 1960 (Nepal).

David, *Proc. nat. Acad. Sci. India*, **33B**(2) : 278, 1963 (Krishna and Godavari rivers). Jhingran, David and Raj, *J. Bombay nat. Hist. Soc.*, **61** (1) : 196, 1964 (Gandak river). David *et al.*, *Indian J. Fish.*, **14** : 58, 1967 (river Thungabhadra near Modalghatti). Datta and Majumdar, *Rec. zool. Surv. India*, **62** : 86, pl. 8, fig. 1, 1970 (Rajasthan). Datta and Murthy, *Mem. Soc. zool.*, **1** : 23, 1972 (Lake Kolleru). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 24, 1974 (Northern India, Deccan, Bombay, Madras (introduced), Pakistan).

*Cirrhinus chaudhryi* Srivastava, *Fish. East. U.P.*, p. 30, fig. 17, 1968 (Type-locality : Gorakhpur, U.P.) Banarescu, *Rev. Roum. Biol.*, **28** (1) : 15, 1983 (Cauvery river, Mettur reservoir).

*Cirrhina macrops* Steindachner, *Sitz. Akad. Wiss. Wien.*, **61** : 636, 1870 (Type-locality Madras).

*Cirrhinus mrigala*, Jayaram, *HBFW Fish. India*, p. 127, 1981, (throughout India). Banarescu, *Rev. Roum. Biol.*, **28** (1) : 14, 1983 (Revision). Lipton, *Matsya*, **9-10** : 113, 1983-84 (widely distributed in Tripura). Sen, *Rec. zool. Sur. India. Occ. Pap.*, No. **64** : 55 (India, Pakistan, Bangladesh). Yazdani and Singh, *J. Bombay nat. Hist. Soc.*, **87** : 160, 1989 (Ujni wetland, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 172, fig. 65, 1991 (Pakistan, North India, Bangladesh).

*Cirrhinus macrops*, Talwar and Jhingran (in part), *Inland Fish.*, **1** : 171, 1991 (Madras. Godavary at Rajahmundry excluded).

*Cirrhinus mrigala mrigala*, Talwar and Jhingran, *Inland Fish.*, **1** : 172, 1991 (Northern India and Bangladesh).

*Distribution* : Pakistan : Indus basin and adjacent hill areas. India : Northern India from Punjab to West Bengal and Assam. Nepal and Bangladesh. Introduced into Peninsular India.

*Habitat* : Large rivers and ponds.

*Size* : 99.0 cm TL., 12.7 kg weight.

#### 161 *Cirrhinus reba* (Hamilton)

*Cyprinus reba* Hamilton, *Fish. Ganges*, pp. 280, 386, 1822 (Type-locality rivers and ponds of Bengal and Bihar). McClelland, *Asiat. Res.*, **19** : 276, 354, pl. 58, fig. 1, 1839 (from Hamilton's Ms. drawings). Hora, *Mem. Indian Mus.*, **9** (4) : 189, 1929.

- Gobio isurus* McClelland, *Asiat. Res.*, **19** : 277, 357, pl. 55, fig. 3, 1839 (Upper Assam). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 431, 1842.
- Gobio limnophilus* McClelland, *Asiat. Res.*, **19** : 358, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*; **16** : 464, 1842.
- Cirrhina dussumieri* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 291, pl. 480, 1842 (Mysore).
- Cirrhina reba*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 292, 1842. Day, *Fish. India*, p. 549, pl. 130, fig. 3, 1878 (throughout India). Day, *Faun. Brit. Ind. Fish.*, **1** : 279, fig. 96, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 46, pl. 2, fig. 9, text-fig. 42, 1937 (rivers and clear streams in Terai and Duars, N. Bengal). Chacko and Kurian, *Proc. Indian Acad. Sci.*, **28B** (5) : 169, 1948 (Alampur, Hyderabad; Sunkasela, Kurnool., Shimoga, river Tungabhadra). Menon, *Rec. Indian Mus.*, **47** : 233, 1949 (R. Kosi at Barahashatra, E. Nepal). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2) : 167, 1952 (Baraka, Konar and Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2** (1) : 11, 1955 (Hirakud Dam, Orissa). De Witt, *Stanford Ichth. Bull.*, **7**(4) : 74, 1960 (Bhirat Nagar and its vicinity, Nepal). David, *Proc. nat. Acad. Sci. India*, **33B** (2) : 273, 1963 (Krishna and Godavari rivers). David *et al.*, *Indian J. Fish.*, **14** : 56, 60 (Harihar, Bhima river at Yadgir; Modalaghatti and Vedavathi rivers near Kollodu). Datta and Majumdar, *Rec. zool. Surv. India*, **62** : 87, pl. 8, fig. 5, 1970 (Rajasthan). Jayaram *HBFW Fish. India*, p. 127, 1981 (throughout India, Pakistan, Nepal, Bangladesh). Lipton, *Matsya*, **9-10** : 113, 1983-84, (Gumti river, Tripura). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. 64 : 54, 1985 (India, Bangladesh, Pakistan, Burma, Thailand). Talwar and Jhingran, *Inland Fish.*, **1** : 173, 1991 (India, Pakistan, Nepal, Bangladesh).
- Chondrostoma gangeticum* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17** : 399, 1843 (Ganges). Gunther, *Cat. Fish. Brit. Mus.* **7** : 76, 1868 (Ganges).
- Cirrhina bengalensis* Bleeker, *Ichth. Arch. Ind. Prodr.*, **2** : 226, 1860.
- Mrigala bengalensis*, Bleeker, *Verh. Bat. Gen.*, **25** : 136, 1853.
- Cirrhinichthys dussumieri*, Bleeker, *Atl. Ichth. Cypr.*, **3** : 28, 1863.
- Cirrhina rewah* Steindachner, *Sitz. Akad. Wiss. Wien.*, p. 56, 1867.
- Crossocheilus reba*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 74, 1868 (India).

**Distribution** : Pakistan : Indus plain and adjoining hilly areas. Throughout India. Nepal. Bangladesh. Burma.

**Habitat** : Large streams, rivers and tanks.

**Size** : 30.0 cm TL.

Genus 41 : *Labeo* Cuvier

*Labeo* Cuvier, *Regne Animal.*, 2(ed.1) : 194, 1817 (Type, *Cyprinus niloticus* Forsskal = *Cyprinus rufescens* Hasselquist)

*Morulus* Hamilton, *Fish. Ganges*, pp. 331, 391, 1822 (Type, *Cyprinus morala* Hamilton = *Cyprinus angra* Hamilton).

162. *Labeo angra* (Hamilton)

*Cyprinus angra* Hamilton, *Fish. Ganges*, pp. 331, 391, 1822 (Type-locality : R. Brahmaputra). Gray, *Ill. Ind. zool.*, 1 : 86, fig. 1 (from Hamilton's MS drawings), 1830-32. Hora, *Mem. Indian Mus.*, 9 (4) : 190, 1929.

*Cyprinus (Bangana) hamiltonii* Gray, *Ill. Ind. zool.*, 2, pl. 93, fig. 1 (from Hamilton's MS drawings) 1834.

*Gobio angra*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 319, 1842.

*Labeo morala*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 56, 1868.

*Labeo angra*, Day, *Fish. India*, p. 541, pl. 128, Fig. 2, 1878 (Assam, Bengal, Orissa). Day, *Faun. Brit. Ind. Fish.*, 1 : 267, 1889 (Assam, Bengal, Orissa). Hora, *Rec. Indian Mus.*, 22 : 183, 1921 (Manipur). Menon, *Rec. Indian Mus.*, 47 : 233, 1949 (River Kosi, Chhatra, E. Nepal). Menon, *Rec. Indian Mus.*, 52 : 22, 1954 (Nepal). Menon, *J. zool. Soc. India*, 14 (1) 27, 1962 (Chindwin, Brahmaputra and Kosi drainage). Datta and Majumdar, *Rec. zool. Surv. India.*, 62 : 80, 1970 (Jaipur lake, Rajasthan). Jayaram, *HBFW Fish. India*, p. 117, 1981 (Bengal, Assam, Orissa). Talwar and Jhingran, *Inland Fish.*, 1 : 198, 1991 (Assam, West Bengal, Bihar, Uttar Pradesh, Punjab and Orissa. Bangladesh. Nepal. Burma).

**Distribution** : India Northern India. Nepal. Bangladesh and Burma.

**Habitat** : Rivers, lakes and ponds.

**Size** : 22.0 cm TL.

163. *Labeo ariza* (Hamilton)

*Cyprinus ariza* Hamilton, *Journey Mysore*, 3 : 344, pl. 31, 1807 (Type-locality : Bhavani). Hamilton, *Fish. Ganges*, pp. 286, 386, 1822. McClelland, *Asiat. Res.*, 119 : 279, 357, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 430, 1842. Hora, *Mem. Indian Mus.*, 9 (4) : 189, 1929.

*Gobio hamiltonii* Jerdon, *Madras J. Lit. Sci.*, 15 : 309, 1849.

*Gobio bovianus* Jerdon, *Madras J. Lit. Sci.*, 15 : 307, 1849.

*Tylognathus ariza*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 63, 1868.

*Labeo ariza*, Day, *Fish. India*, p. 544, 1878 (Wynaad, Cauvery river at Nilgiri hills). Day, *Fauna Brit. Ind. Fish.*, 1 : 272, 1889. Job, David and Das, *Indian J. Fish.*, 2(1) : 33, 1955 (River Mahanadi at Hirakud Dam). David, *Proc. nat. Inst. Sci. India*, 22B (3) : 153, 1956 (Bhadra river at Badravathi, Shimoga, Karnataka). David, *Proc. nat. Acad. Sci. India*, 33B (2) : 278, 1963 (Krishna and Godavary rivers). Jayaram, *HBFW Fish. India*, p. 117, 1981 (Nilgiri hills and Cauvery river system, S. India). Jayaram *et al.*, *Rec. zool. Surv. India Occ. Pap.*, No. 36 : 68, 1982 (Bhavani river at the foot of Nilgiri hills and the cauvery river, known from Wynaad also). Talwar and Jhingran, *Inland Fish.*, 1 : 198, 1991 (Peninsular India : Nilgiri hills, Wynaad and Cauvery river system).

*Distribution* : India : Peninsular India, Cauvery System. Its occurrence elsewhere needs further confirmation.

*Habitat* : Rivers and streams at foot hills.

*Size* : 56.0 cm TL.

164. *Labeo bata* (Hamilton)

*Cyprinus bata* Hamilton, *Fish. Ganges*, 283, 1822 (Type-locality : Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 427, 428, 1842. Hora, *Mem. Indian Mus.*, 9 (4) : 189, 1929.

*Cyprinus acra* Hamilton, *Fish. Ganges*, p. 284, 1822. Hora, *Mem. Indian Mus.*, 9(4) : 189, 1929.

*Labeo lissorhynchus* McClelland, *Asiat. Res.*, 19 : 277, 278, pl. 49, fig. 2, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 16 : 463, 1842.

*Cirrhina anisura* Steindachner, Sitz. Akad. Wiss. Wien., **16** : 66, 1867. Gunther, Cat. Fish. Brit. Mus., **7** : 37, 1868.

*Crossocheilus bata*, Day, Proc. Zool. Soc. Lond., p. 371, 1869.

*Labeo bata*, Day, Fish. India, p. 542, pl. 129, fig. 5, 1878 (Krishna, Godavary through Orissa, Lower Bengal and Assam). Day, Faun. Brit. Ind. Fish., **1** : 268, 1889. Shaw and Shebbeare, J. Asiat. Soc. Beng., **3** : 50, fig. 46, 1937 (R. Apalchand in W Duars, N. Bengal). Job, David and Motwani, Asiat. Soc. Beng., **18**(2) : 168, 1952 (Konar and Damodar river). David, Indian J. Fish., **6** : 252, 1959 (Hoogly river). Misra, Rec. Indian Mus., **57** : 159, 1959 (Assam, Darjeeling, W. Bengal, Orissa, M.P., Krishna and Godavary). De Witt, Stanford Ichth. Bull., **7**(4) : 75, 84, 1960 (Nepal, introduced). Menon, J. zool. Soc. India, **14** (1) : 27, 1962 (Brahmaputra and Kosi drainage). David, Proc. nat. Acad. Sci. India, **33B**(2) : 278, 1963 (Godavary river). Jhingran, et al., J. Bombay Nat. Hist. Soc., **61** (2) : 196, 1964 (Gandak river). Datta and Majumdar Rec. zool. Surv. India, **62** : 81, 1970 (Rajasthan). Menon, Inland Fish. Soc. India Spl. Publ., No. 1 : 30, 1974 (Krishna and Godavari rivers, Orissa M.P., U.P., Bihar, W. Bengal, Assam, Bangladesh). Jayaram, HBFW Fish. India, p. 117, 1981 (throughout India). Lipton, Matsya, **9-10** : 113, 1983-'84 (Gumti, Manu and Fenny rivers, Tripura). Jayaram et al., Rec. zool. Surv. India Occ. Pap., No. 86 : 68, 1982 (Cauvery river, Krishna and Godavary, Orissa, M.P., U.P., Bihar, West Bengal, Assam, Bangladesh). Sen, Rec. zool. Surv. India Occ. Pap., No. 64 : 69, 1985 (Assam, W Bengal, Orissa, M.P. Krishna and Godavari rivers). Talwar and Jhingran Inland Fish., **1** : 199, fig. 72, 1991 (Throughout India, Bangladesh and Nepal.)

*Distribution* : India : Throughout India except Kerala. Bangladesh and Nepal (introduced).

*Habitat* : Rivers, ponds, tanks and "Bheries"

*Size* : 61.0 cm TL.

### 165. *Labeo boga* (Hamilton)

*Cyprinus boga* Hamilton, Fish. Ganges, pp. 286, 386, pl. 28, fig. 80, 1822 (Type-locality R. Brahmaputra). Valenciennes, Hist. Nat. Poiss., **16** : 432, 1842. Hora, Mem, Indian Mus., **9**(4) : 189, 1929.

*Gobio boga*, McClelland, Asiat. Res., **19** : 278, 361, 1839. Bleeker, Verh. Bat. Gen., **25** : 134, 1853.

*Cirrhina boga*, Steindachner, Sitz. Akad. Wiss. Wien., p. 64, 1867.

*Labeo boga*, Day, Fish. India, p. 543, pl. 182, fig. 3 and pl. 131, Fig. 4, 1878 (Rivers of Gangetic Provinces, Madras and Burma). Day, Faun. Brit. Ind. Fish., **1**,

269, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 51, fig. 47, 1937 (R. Jaldhaka, Duars, N. Bengal). Menon, *Rec. Indian Mus.*, **47** : 233, 1949 (Chhatra bazar, E. Nepal). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18(2)** : 169, 1952 (Damodar and Konnar rivers). Job, David and Das, *Indian J. Fish.*, **2(1)** : 11, 1955 (Hirakud Dam, Orissa). Misra, *Rec. Indian Mus.*, **57**, 160, 1959 (E. Punjab, U.P., Bihar, Darjeeling Dist., W. Bengal, Orissa, Madras, Pakistan and Burma). De Witt, *Stanford Ichth. Bull.*, **7(4)** : 75, 84, 1960 (Nepal). Menon, *J. zool. Soc. India*, **14** (1) : 27, 1962 (Brahmaputra and Kosi drainages). David, *Proc. natn. Acad. Sci. India*, **33B** (2) : 278 (Godavary and Krishna rivers). Datta and Majumdar, *Rec. zool. Surv. India*, **62** (1 and 2) : 81, 1970 (Sawai Madhopur Dist., Jawai River, Jalor Dist., Rajasthan). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 31, 1974 (Orissa, Assam, Burma and E. Nepal). Jayaram, *HBFW Fish. India*, p. 117, 1981 (U.P., Bihar, W. Bengal, Deccan; Bangladesh; Nepal; Burma; Pakistan). Jayaram, *et al.*, *Rec. zool. Surv. India Occ. Pap.*, No. **36** : 68, 1982 (Gangetic river; Madras. Burma). Lipton, *Matsya*, **9-10** : 113, 1983-84 (Fenny river, Tripura). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. **64** : 7, 1985 (Throughout North India, Bangladesh, Burma and Nepal). Talwar and Jhingran, *Inland Fish.* **1** : 200, fig. 73, 1991 (Pakistan. India : rivers of Gangetic provinces, Assam, Orissa, Andhra Pradesh, Tamilnadu. Bangladesh. Eastern Nepal and Burma).

**Distribution** : India : Throughout India except western face of Western Ghats. Pakistan. Nepal. Bangladesh and Burma.

**Habitat** : Large rivers and their tributaries, above tidal influence.

**Size** : 30.0 cm TL.

#### 166. *Labeo boggut* (Sykes)

*Chondrostoma boggut* Sykes, *Trans. zool. Soc. Lond.*, **2** : 359, 1841 (Type-locality : Dukhun waterways). Bleeker, *Verh. Bat. Gen.*, **25** : 25, 1853. Jerdon, *Madras. J. Lit. Sci.* **15**, 309, 1849.

*Tylognathus striolatus* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 62, 1868.

*Labeo boggut*, Day, *Fish. India*, p. 542, 1878 (Bengal, Punjab, Central Provinces, Bombay, the Deccan, Jubbalpore, Cutch, Madras, Poona). Day, *Faun. Brit. Ind. Fish.*, **1** : 269, 1889. Hora, *Rec. Indian Mus.*, **42** : 369, 370, 1940 (Mahanadi river at Rudri and Dhamtari bazar, Rajpur Dist., M.P.) Fraser, *J. Bombay nat. Hist. Soc.*, **43** (1) : 71, 1950 (Parasnath hills, Chota - Nagpur). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18(2)** : 169, 1952 (Barakar, Konar, Damodar rivers). David, *J. zool. Soc. India*, **15(2)** : 252, 1953 (Damodar and Mahanadi). Job, David and Das, *Indian J. Fish.*, **2** (1) : 33, 1955 (Hirakud Dam, Mahanadi). David, *Proc. nat. Inst. Sci. India*, **22B** (3) : 153, 1956 (Bhadra river at Bhadravathi). Motwani and David, *J. zool. Soc. India*, **9(1)** : 11, 1957

(river Mahanadi). Misra, *Rec. Indian Mus.*, **57B** : 160, 1959 (E. Punjab, U.P. Bihar, W. Bengal, M.P., Ahmedabad, Cutch, Bombay). David, *Proc. nat. Acad. Sci. India*, **33B(2)** : 278, 1963 (Krishna and Godavari rivers). Datta and Majumdar, *Rec. zool. Surv. India*, **62** : 81, 1970 (Udaipuri, Sakudai, Madhopur, Jodhpur). Jayaram, *HBFW Fish India*, p. 117, 1981 (Throughout North India and upto Cauvery river system). Jayaram, *et al.*, *Rec. zool. surv. India. occ. Pap.*, No. 36 : 69, 1982 (throughout India except Kerala., Pakistan and Bangladesh). Yazdani and Singh, *J. Bombay nat. Hist. Soc.*, **87** : 160, 1989 (Ujni wetland, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 201, 1991 (Northern India and upto Cauvery river system and Bangladesh).

*Distribution* : India North India upto Cauvery river system. Pakistan. Bangladesh.

*Habitat* : Rivers in the upper reaches and stocking ponds.

*Size* : 29.0 cm TL.

#### 167. *Labeo calbasu* (Hamilton)

*Cyprinus callbasu* Hamilton, *Fish. Ganges*, pp. 297, 389, pl. 2, fig. 33, 1822 (Type-locality : Bengal). McClelland, *Asiat. Res.*, **19** : 265, 320, 1839. Hora, *Mem. Indian Mus.*, **9(4)** : 189, 1929.

*Cyprinus micropogon* Valenciennes, in *Jacq. Voy. Ind. Or.*, p. 372, pl. 3, fig. 1, 1841.

*Rohita calbasu*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 253, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 131, 1853.

*Rohita reynauldi* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 247, pl. 474, 1842 (Irrawady).

*Labeo velatus* Valenciennes in *Cuv. Regne An. Ill. Poiss.*, pl. 93, fig. 3, 1842 (Irrawady).

*Cirrhinus belangeri* Jerdon, *Madras J. Lit. Sci.*, **15** : 303, 1849.

*Lebeo calbasu*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 54, 1868. Day, *Proc. zool. Soc. Lond.*, p. 372, 1869. Day, *Fish. India* p. 536, pl. 126, fig. 4, 1878 (Punjab, Sind, Cutch, Deccan, Southern India and Malabar, Krishna, Orissa, Bengal, Burma). Day, *Faun. Brit. Ind. Fish.*, **1** : 259, 1889. Hora, *Rec. Indian Mus.*, **22** : 182, 1921 (Manipur). Shaw and Shebbeare, *J. Asiat. Soc. beng.*, **3** : 52, pl. 5, fig. 2, fig. 48, 1937 (Deep pools in clear sluggish streams, N. Bengal). Hora, *J. Bombay nat. Hist. Soc.*, **40** : 22, 1938 (Deolali). Fraser, *J. Bombay nat. Hist. Soc.*, **43** (1) : 84, 1942 (Lake Fife, near Poona). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **38B(5)** : 168, 1948 (Tungabhadra, Mysore; Kottamotta, Kurnool). Job. David and Motwani, *J. Asiat. Soc. Beng.*, **18(2)** : 168, 1952 (Baraka, Koner and Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2** : 33, 1955 (Mahanadi at Hirakud Dam). David, *Proc. nat. Inst. Sci. India*,

**22B** (3) : 153, 1956 (Bhadra river at Bhadravathi). Misra, *Rec. Indian Mus.*, **57** : 161, 1959 (E. Punjab, U.P., Bihar, Darjeeling Dist., W. Bengal, Assam Orissa, upto Krishna, Ahmadabad, Cutch, Bombay; Deccan, Malabar, Pakistan, Burma, Thailand and Yunnan). Menon *J. zool. Soc. India*, **14**(1) : 27, 1962 (Chindwin, Brahmaputra, Bagmati, Gandak, Rapti, Karnali and Kali drainages). David, *Proc. nat. Acad. Sci. India*, **33B**(2) : 280, 1963 (Godavari and Krishna rivers). Majumdar, *Rec. zool. Surv. India*, **62** : 82, 1970 (Alwar, Rajasthan). Dutt and Murthy, *Mem. Soc. zool.*, **1** : 23, 1972 (lake Kolleru, A.P.). Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 31, 1974 (India, Pakistan, Bangladesh, Burma, Thailand, South China). Jayaram, *HBFW Fish. India* p. 117, 1981 (Throughout India). Jayaram, *et al.*, *Rec. zool. Surv. India Occ. Pap.*, **36** : 69, 1982 (Throughout India). Sen, *Rec. zool. Surv. India Occ. pap.*, **64** : 72, 1985 (Throughout India). Yazdani and Singh, *J. Bombay nat. Hist. Soc.*, **87** : 160, 1989 (Ujni wetland, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 203, fig. 74, 1991 (Pakistan, India, Bangladesh, Nepal, Burma, Thailand and Yunnan).

*Labeo nigrescens* Day, *Proc. zool. soc. Lond.*, p. 371, 1870 (Type-locality : Mangalore). Day, *Fish. India*, p. 536, 1878 (Mangalore and South Canara). Day, *Faun. Brit. Ind. Fish.*, **1** : 259, 1889. Jayaram, *HBFW Fish. India*, p. 118, 1981 (Canara). Talwar and Jhingran, *Inland Fish.*, **1**, 215, 1991 (Karnataka State).

*Distribution.* : India : Throughout India. Pakistan. Nepal. Bangladesh. Burma, Thailand, Also S. W. China.

*Habitat* : Rivers above tidal reach and ponds.

*Size* : 90.0 cm TL.

#### 168. *Labeo dero* (Hamilton)

*Cyprinus dero* Hamilton, *Fish. Ganges*, pp. 277, 331, 585, pl. 22, fig. 78, 1822 (Type-locality : R. Brahmaputra). Hora, *Mem. Indian Mus.*, **9**(4) : 189, 1929.

*Labeo ricnorhynchus*, McClelland, *Asiat. Res.*, **19** : 279, 363, pl. 55, fig. 2, 1839 (northern parts of Bengal). Gunther, *Cat. Fish. Brit. Mus.* **7** : 57, 1868. Day, *Proc. zool. Soc. Lond.*, 373, 1869.

*Chondrostoma semivelatus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **17** : 402, 1844.

*Cirrhina sindensis* Day, *J. Asiat. Soc. Beng.*, **41** (2) : 319, 1872 (Sind Hills).

*Labeo microphthalmus* Day, *Fish. India*, p. 542, pl. 132. fig. 4, 1878 (Punjab Himalayas, Muree and Kangra, also Cashmere). Day, *Faun. Brit. Ind. Fish.*, **7** : 268, 1889. Menon, *J. zool. Soc. India*, **14**(1) : 27, 1962 (Indus drainage). Jayaram, *HBFW Fish. India*, 118, 1981 (W Himalayas,, Pakistan).

- Labeo diplostomus*, Day (*nec* Heckel). *Fish. India*, p. 540, pl. 129 fig. 2, 1878 (Sind hills and Himalayas, also Brahmaputra in Assam). Day, *Faun. Brit. Ind. Fish.* 1 : 256, 1889.
- Labeo sindensis*, Day, *Fish. India* p. 544, pl. 132. fig. 2, 1878 (Deccan, Sind and Punjab). Day, *Faun Brit. India. Fish.*, 1 : 271, 1889. Menon, *Rec. Indian Mus.*, 47 : 233, 1949 (Chhatra bazar, E. Nepal). Menon, *J. zool. soc. India*, 14(1) 27, 1962. Jayaram, *HBFW Fish. India*, p. 118, 1981 (Sind and Nepal).
- Labeo almorhae* Chaudhuri, *Rec. Indian Mus.*, 7 : 438, 1912 (Type-locality: Almora).
- Labeo rilli* Chaudhuri, *Rec. Indian Mus.*, 7 : 439, pl. 38, fig. 4, 1912 (Saran, Bihar).
- Labeo henshawi* Fowler, *Proc. Acad. Nat. Sci., Philad.*, 76 : 98, 1924 (Kalla Wedeed Loodianali and Rurkee).
- Labeo nigripinnis* (*nec* Day), Fowler, *Proc. Acad. Nat. Sci. Philad.*, 76 : 97, 1924 (Sutlej, Ganges and Jamuna rivers).
- Labeo dyocheilus* (*nec* Hamilton), Mukerji, *J. Bombay Nat. Hist. Soc.*, 37(1) 55, 1934 (Burma). Hora, *Rec. Indian Mus.*, 38(3) : 320, 1936.
- Labeo dero*, Hora and Mukerji, *Rec. Indian Mus.*, 38 : 142, 1936 (Dehra Dun). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 53, pl. 2, fig. 7, text-fig 47, 1937 (Terai and Duars, North bengal). Hora, *Rec. Indian Mus.*, 39 : 44, 1937 (Tribeni, Nepal Terai). Menon, *Rec. Indian Mus.*, 47 : 233, 1949 (R. Tamur and Chhatra, E. Nepal). Job, David and Motwani, *J. Asiat. Soc. Beng.*, 18(2) : 168, 1952 (Thilaiya section, Damodar river, Konar river, Upper and middle valley). Job, David and Das, *Indian J. Fish.* 2(4) : 11, 1955 (Hirakud Dam). Misra, *Rec. Indian Mus.*, 57 : 161, 1959 (Assam, Darjeeling, E. Punjab, U.P., W Himalaya). De Witt, *Stanford, Ichth. Bull.*, 7(4) : 76, 1960 (Bhiratnagar and its vicinity, Nepal). Menon, *J. zool. Soc. India*, 14 (1) : 27, 1962 (Brahmaputra, Kosi, Bagmati and Gandak drainages, Rapti, Karnali and Kali drainages, Ramganga, Ganges and the Jamuna and Indus drainages). Jayaram and Majumdar, *J. Bombay Nat. Hist. Soc.*, 61 (2) : 267, 1964 (Kameng Frontier Division, NEFA). Datta and Majumdar, *Rec. zool. Surv. India*, 62 : 82, 1970 (Udaipur dist. Rajasthan). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 32, 1974 (All along the Himalayas including Kashmir, Assam and Burma). Jayaram, *HBFW Fish. India*, p. 117, 1981 (All along the Himalaya, Nepal, Pakistan, Sind hills and Burma). Sen, *Rec. zool. surv. India Occ. Pap.*, No. 64 : 74, 1985 (All along the Himalayas and Kashmir). Talwar and Jhingran, *Inland, Fish.*, 1 : 204, 1991 (Pakistan Sind hills. India all along the Himalaya, Arunachal Pradesh. Nepal. Bangladesh. Burma. China and Sri lanka, excluded).
- Distribution* : India : All along the Himalayas including Kashmir, Chota-Nagpur, Satpura-Vindhya ranges, Deccan and south as far as the Cauvery. Pakistan. Nepal, Bangladesh.

*Habitat* : Mountain streams and rivers.

*Size* : 75.0 cm TL.

*Status* : Vulnerable.

169. *Labeo dussumieri* (Valenciennes)

*Rohita dussumieri* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 258, pl. 475, 1842 (Type-locality : Alleppy, Kerala State). Day, *Fish. Malabar*, 207, 1865 (Rivers of Malabar).

*Rohita rouxii* Valenciennes, *Hist. Nat. Poiss.*, **16** : 270, 1842.

*Cirrhinus dussumieri*, Jerdon, *Madras J. Lit. Sci.*, **15** : 304, 1849.

*Cirrhinus rouxii*, Jerdon, *Madras J. Lit. Sci.*, **15** : 304, 1849.

*Labeo rouxii*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 59, 1868.

*Labeo dussumieri*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 55, 1868. Day, *Fish. India*, p. 538, 1878 (rivers of south Malabar, Ceylon and Bombay). Day, *Faun. Brit. Ind. Fish.*, **1** : 262, 1889. Pillay, *J. Bombay Nat. Hist. Soc.*, **33** : 357, 1929. John. *J. Bombay nat. Hist. Soc.*, **38** (4) : 706, 1936. Hora, *Rec. Indian Mus.*, **43** (2) : 237, 1941 (Travancore). Jayaram, *HBFW Fish. India*, p. 118, 1981 (W Ghats upto N. Canara and Sri Lanka). Jayaram, *et al.*, *Rec. zool. Surv. India Occ. Pap.*, No. **36**, 69, 1982 (Rivers of southern part of Kerala and Sri Lanka. Cauvery excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 206, 1991 (Western Ghats upto North Canara and Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 82, (tanks and rivers of low lands).

*Distributon* : India : Western face of Western Ghats from Bombay to Travancore hills. Sri Lanka.

*Habitat* : Large streams and rivers above tidal reaches.

*Size* : 35.0 cm TL.

*Status* : Vulnerable.

170. *Labeo fimbriatus* (Bloch)

*Cyprinus fimbriatus* Bloch, *Ichth. Hist. Nat. Poiss.*, **12** : 50, pl. 409, 1797 (Type-locality : Madras). Bloch and Schn. (in Schn. ) *Syst. Ichth.*, p. 441, 1801

*Cyprinus nancar* Hamilton, *Fish. Ganges*, p. 299, 387, 1822. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 70, 1842.

*Cirrhinus nancar*, McClelland, *Asiat. Res.*, pp. 266, 328, 1838.

*Rohita fimbriata*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 261, 1842.

*Varicorhinus bobree* Sykes, *Trans. zool. Soc. Lond.*, **2** : 355, pl. 61, fig. 3, 1841.

*Leuciscus bobree*, Bleeker, *Verh. Bat. Gen.*, **25**, 1855.

*Cirrhinus fimbriatus*, Jerdon, *Madras J. Lit. Sci.*, **15** : 305, 1849.

*Cirrhinus leschenaultii* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 53, 1868.

*Labeo fimbriatus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 53, 1868. Day, *Fish. India*, p. 536, 1878 (Sind, Punjab, Deccan, N. E. Bengal, South India). Day, *Faun. Brit. Ind. Fish.*, **1** : 258, 1889. Fraser, *J. Bombay nat. Hist. Soc.*, **43** (1) : 83, 1942, (Mula-Mutha river near Poona). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B** (5) : 168, 1948 (Thungabhadra, Mysore, Alampur, Hyderabad. Sunkasela, Kurnool). Job, David and Das, *Indian J. Fish.*, **2** (1) : 33, 1955 (Mahanadi at Hirakud Dam). Misra, *Rec. Indian Mus.*, **57** : 162, 1959 (E. Punjab, U.P., Orissa, M.P., Madras, Deccan, Deolali, Poona, Ahmedabad. Pakistan). David, *Proc. Nat. Acad. Sci, India*, **33B** (2) : 278, 1963 (Krisha and Godavari river). Dutta and Majumdar, *Rec. zool. Surv. India*, **62** : 82, 1970 (Soorpur-ki-nadi, Dungarpur Dist., Rajasthan). Jayaram, *et al.*, *Rec. zool. Surv. India. Occ. Pap.*, **36** : 70, 1982 (Throughout India, Pakistan, Bangladesh). Talwar and Jhingran, *Inland Fish.*, **1** : 208, 1991 (Pakistan, India, Nepal and Burma).

*Distribution* : India : Throughout India except west face of Western Ghats. Pakistan. Bangladesh and Burma.

*Habitat* : Rivers, above tidal reaches and culture ponds.

*Size* : 91.0 cm TL.

#### 171. *Labeo gonius* (Hamilton)

*Cyprinus gonius* Hamilton, *Fish. Ganges*, pp. 292, fig. 38, 1822 (Type-locality : Bengal). McClelland, *Asiat. Res.*, pp. 266, 325, 1839.

*Rohita gonius*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 265, 1842.

*Rohita cursis* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 265, 1842.

*Labeo microlepidotus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 352, 1842.

*Rohita chalybeata* Bleeker, *Verh. Bat. Gen.*, **25** : 133, 1853.

*Rohita microlepidota* Gunther, *Proc. zool. Soc. Lond.*, p. 225, 1861

*Labeo cursa* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 361, 1842.

*Labeo curchius* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 363, 1842.

*Labeo gonius*, Day, *Proc. zool. Soc. Lond.*, p. 372, 1869. Day, *Fish. India*, p. 537, pl. 127, fig. 1, 1878 (Indus in Sind through N.W. provinces, Bengal, Orissa to Ganjam as low as Krishna; Assam and Burma). Day, *Faun. Brit. Ind. Fish.*, 1 : 261, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 54, pl. 2, fig. 2, text-fig 51, 1937 (N. Bengal). Job, David and Das, *Indian J. Fish.* 2 : 33, 1955 (Hirakud Dam, Orissa). Misra, *Rec. Indian Mus.*, 57 : 162, 1959 (Assam, Darjeeling Dist., W. Bengal, Bihar, U.P., Orissa, as low as Krishna; Pakistan; Burma). Menon, *J. Zool. Soc. India*, 14 (1) : 27, 1962 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali and Kali drainages). David, *Proc. nat. Acad. Sci. India*, 33B (2) : 278, 1963 (Krishna and Godavari rivers). Jhingran *et al.*, *J. Bombay nat. Hist. Soc.*, 61(1) : 196, 1964 (Gandak river). Datta and Majumdar, *Rec. zool. Surv. India*, 62 : 82, 1970 (Rajasthan). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1 : 32, 1974 (Northern India). Sen, *Rec. zool. Surv. India. Occ. Pap.*, No. 64, : 73, 1985 (Assam, all over Northern India up to Krishna; Bangladesh; Pakistan; Burma).

**Distribution** : India : Northern India extending upto Krishna system. Pakistan. Bangladesh and Burma.

**Habitat** : Rivers and culture ponds.

**Size** : 1.5 m TL.

#### 172. *Labeo kawrus* (Sykes)

*Chondrostoma kawrus* Sykes, *Trans. zool. Soc. Lond.*, 2 : 358, pl. 67, fig. 2, 1841 (Type-locality : Poona).

*Labeo kawrus*, Day, *Fish. India*, p. 545, pl. 131, fig. 5, 1877. Day, *Faun. Brit. Ind. Fish.*, 1 : 272. David, *Proc. nat. Acad. Sci. India*, 33B (2) : 278, 1963. Talwar and Jhingran, *Inland Fish.*, 1 : 211, 1991 (Western Ghats up to Deccan).

**Distribution** : India: Maharashtra (Beema river, Poona, Krishna drainage).

**Habitat** : Rivers, upper reaches.

**Size** : C. 60.0 cm TL.

#### 173. *Labeo kontius* (Jerdon)

*Cyprinus kontius* Jerdon, *Madras J. Lit. Sci.*, 15 : 302, 1849. (Type-locality : Cauvery and its tributaries).

*Cirrhinus rubropunctatus* Jerdon, *Madras J. Lit. Sci.*, 15 : 303, 1849.

*Labeo kontius*, Day, *Proc. zool. Soc. Lond.*, p. 289, 1867 (Rivers along the base of Neilgherries, Cauvery and Coleroon and their branches). Gunther, *Cat. Fish. Brit. Mus.*, 7 : 55, 1868. Day, *Faun. Brit. Ind. Fish.*, 1 : 264, 1889. Hora,

*Rec. Indian Mus.*, **44** (2) : 196, 1942 (Mysore State). Rajan, *J. Bombay Nat., Hist. Soc.*, **53** (1) : 45, 1955 (Bhavani river). Jayaram, *HBFW Fish. India*, 118, 1981 (Cauvery R. System, S. India). Talwar and Jhingran, *Inland Fish.* **1** : 212, 1991 (Tamil Nadu and Cauvery river system in South Karnataka).

**Distribution** : India : Cauvery river system in Tamilnadu and Karnataka.

**Habitat** : Large rivers, channels and culture ponds.

**Size** : 60.0 cm TL.

**Status** : Vulnerable.

#### 174. *Labeo nandina* (Hamilton)

*Cyprinus nandina* Hamilton, *Fish. Ganges*, p. 300, pl. 8, fig. 84, 1822 (Type-locality : R. Mahananda). McClelland, *Asiat. Res.*, **19** : 265, 319, 1839 (Assam and Bengal). Hora, *Mem. Indian Mus.*, **19** (4) : 189, 1929.

*Rohita nandina*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 244, pl. 473, 1842.

*Labeo nandina*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 51, 1868. Day, *Fish. India*, p. 535, 1878 (Bengal, Assam and Burma, Irrawady, Mandalay). Day, *Faun. Brit. Ind. Fish.*, **1** : 258, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 55, pl. 5, fig. 12, text-fig. 52, 1937 (N. Bengal). Menon *J. zool. Soc. India*, **14**(1) : 27, 1962 (Brahmaputra drainage). Jayaram, *HBFW Fish. India*, p. 118, 1981 (W Bengal, Assam, Bangladesh, Burma). Sen, *Rec. Zool. Surv. India, Occ. Pap.*, No. **64** : 75, 1985 (Assam, W Bengal, Bangladesh, Burma). Talwar and Jhingran, *Inland Fish.*, **1** : 214, 1991 (West Bengal, Assam, Bangladesh and Burma).

**Distribution** : India : West Bengal and Assam. Bangladesh and Burma.

**Habitat** : Large rivers, generally higher reaches.

**Size** : 26.0 cm TL.

#### 175. *Labeo pangusia* (Hamilton)

*Cyprinus pangusia* Hamilton, *Fish. Ganges*, pp. 285, 386, 1822 (Type-locality : R. Kosi). McClelland, *Asiat. Res.*, **279**, pl. 42, fig. 1 (from Hamilton's MS drawings), 1839. Hora, *Mem. Indian Mus.*, **9** (4) : 189, 1929.

*Gobio pangusia*, McClelland, *Asiat. Res.*, **19** : 279, 362, pl. 42, fig. 1 (from Hamilton's MS drawings), 1839.

*Cyprinus (Labeo) dyocheilus* McClelland, *Asiat. Res.*, **19** : 268, 330, pl. 37, fig. 1, 1839 (Assam).

*Gobio bicolor* McClelland, *Asiat. Res.*, **19** : 278, 360, pl. 40, fig. 1, 1839.

*Cirrhina dyocheilus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 37, 1868.

*Labeo fulcatus* Gunther, *Cat. Fish. Brit. Mus.*, **7** : 58, 1868.

*Labeo pangusia*, Day, *Fish. India*, p. 541, pl. 31, fig. 1, 1878 (Himalayan range through Sind, Deccan, N.W. Provinces, Bengal, Cachar, Assam). Day, *Faun. Brit. Ind. Fish.*, **1** : 266, 1889. Hora, *Rec. Indian Mus.*, **22** : 183, 1921 (Manipur). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 56, pl. 2, fig. 6, 53, 1937 (N. Bengal). Menon, *Rec. Indian Mus.*, **52** : 22, 1954 (Manipur). David, *Proc. nat. Acad. Sci. India*, **33B** (2) : 278, 1963 (Godavary river). Jayaram, *HBFW Fish. India*, p. 118, 1981 (Deccan, W. Bengal, Assam, Pakistan, Bangladesh). Jayaram, *et al.*, *Rec. zool. Surv. India Occ. Pap.*, No. **36** : 70, 1982 (Himalayan range, throughout Sind, Deccan, N. W. Provinces to Bengal and Assam). Sen, *Rec. zool. Surv. India Occ. pap.*, No. **64** - **75**, 1985 (Assam, W. Bengal).

*Labeo dyocheilus*, Day, *Fish. India*, p. 540, pl. 130, fig. 1, 1878 (Sind hills along the Himalayas to Sikkim and Assam). Day, *Faun. Brit. Ind. Fish.*, **1** : 266, 1889. Hora, *Rec. Indian Mus.*, **38** : 320, 1936 (Naga hills). Hora, *Rec. Indian Mus.*, **39** : 45, 1937 (Nepal). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 53, fig. 50, 1937 (N. Bengal). Menon, *J. Bombay nat. Hist. Soc.*, **48** (3) : 539, 1949 (R. Kosi, Khairna, Kumaon). Menon, *Rec. Indian Mus.*, **47** : 233, 1949 (River Kosi at Chhatra Bazar, E. Nepal). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18** (2) : 168, 1952 (Barakar, Konar, Damodar rivers). Job, David and Das, *Indian J. Fish.*, **2** (1) : 11, 1955 (Mahanadi, Hirakud Dam). De Witt, *Stanford Ichth. Bull.*, **7**(4) : 76, 1960 (Biratnagar and its vicinity, Nepal). Menon, *J. zool. Soc. India*, **14** (7) : 27, 1962 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna, Indus drainages). Jayaram and Majumdar, *J. Bombay nat. Hist. Soc.*, **61** (2) : 267, 1964 (Kameng Division, NEFA). Datta and Majumdar, *Rec. zool. Surv. India*, **62** : 82, 1970 (Madhopur, Bharatpur, Alwar). Jayaram, *HBFW Fish. India*, p. 117, 1981 (Doon valley, Kashmir, Poonch, Sikkim, Assam).

*Labeo tezpurensis* Chaudhuri, *Rec. Indian Mus.*, **7**(5) : 439, pl. 39, figs. 1a and 1b, 1912 (Belsiri river at Tezpur, Assam).

*Labeo kunki* Chaudhuri, *Rec. Indian Mus.*, **7** : 438, pl. 38, fig. 3, 1912 (Gandak river, Saran Dist. Bihar).

*Distribution* : India : All along the Himalayas including Kashmir, Chota-Nagpur, Vindhya-Satpura ranges, Deccan and South as far as the Cauvery. Pakistan. Nepal. Bangladesh.

*Habitat* : Active currents of the large streams and rivers in the upper reaches.

*Size* : 90.0 cm TL.

*Status* : Vulnerable.

176. *Labeo potail* (Sykes)

*Cyprinus potail* Sykes, *Trans. zool. Soc. Lond.*, **2** : 354, 1841 (Beema river, Maharashtra).  
Jerdon, *Madras J. Lit. Sci.*, **15** : 302, 1849.

*Leuciscus potail*, Bleeker, *Verh. Bat. Gen.*, **25** : 25, 1853.

*Labeo potail*, Day, *Trans. Linn. Soc. zool. Lond.*, p. 572, 1876. Day, *Fish. India*, p. 539, pl. 12, fig. 3, 1878 (Deccan, from Poona to Tungabhadra river). Day, *Faun. Brit. India Fish.*, **1** : 264, 1889. Fraser, *J. Bombay nat. Hist. Soc.*, **43**(1) : 82, 1942 (Poona). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **25B** (5) : 168, 1948 (Thungabhadra river, Mysore). David, *Proc. nat. Acad. Sci. India*, **33B** (2) : 278, 1963 (Krishna and Godavari). Jayaram, *HBFW Fish. India*, p. 118, 1981 (Deccan, Poona to Thungabhadra river). Jayaram, *et al.*, *Rec. zool. Surv. India. Occ. Pap.*, No. **36** : 70, 1982 (Thungabhadra river, Poona and Deccan. Cauvery excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 218, 1991 (Maharashtra, Deccan. Cauvery R. System excluded).

*Distribution* : India : Deccan : Krishna and Thungabhadra drainages.

*Habitat* : Rivers and streams in the upper reaches.

*Size* : 30.0 cm TL.

*Status* : Vulnerable.

177. *Labeo porcellus* (Heckel)

*Tylognathus porcellus* Heckel, in *Hugel's Kashmir*, **4** : 385, 1844 (Type-locality : Bombay).

*Labeo porcellus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 54, 1868. Day, *Fish. India*, p. 539, 1878 (Poona and Bombay). Day, *Faun. Brit. Ind. Fish.*, **1** : 283, 1889. Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40** : 22, 1938 (Deolali). Bhimachar and Rau, *J. Mys. Univ.*, **1** : 146, 1941 (River Tunga near Hariharpur). Chacko and Kuriyan, *Proc. Indian Acad. Sci.* **28B**(5): 168, 1948 (Shimoga, Hariharpur, Kadur, Mysore). David, *Proc. nat. Acad. Sci. India*, **33B** (2) : 278, 1963 (Krishna and Godavari rivers). Jayaram, *HBFW Fish. India*, p. 118, (Poona, Maharashtra. Sri Lanka excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 217, 1991 (Western ghats of Bombay region). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 87, 1991 (Sri Lanka).

*Distribution* : India Deccan Godavari and Krishna drainage systems. Its record from Sri Lanka needs further confirmation.

*Habitat* : Large streams and rivers in the upper reaches.

*Size* : 30.0 cm TL.

*Status* : Vulnerable.

### 178. *Labeo rohita* (Hamilton)

*Cyprinus rohita* Hamilton, *Fish. Ganges*, pp. 301, pl. 36, fig. 85, 1822 (Type-locality; Gangetic provinces). McClelland, *Asiat. Res.*, **19** : 266, 391, pl. 41, fig. 2, 1839 (Bengal, Assam). Hora, *Mem. Indian Mus.*, **9**(4) : 189, 1929.

*Rohita buchani* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 251, 1842. Bleeker, *Verh. Bat. Gen.*, **25** : 133, 1853.

*Rohita duvancelli* Valenciennes (in C & V), *Hist. nat. Poiss.*, **16** : 363, 1842.

*Labeo rohita*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 55, 1868. Day, *Fish. India*, p. 538, pl. 127, fig. 4, 1878 (Sind, Punjab, Assam, Burma). Day, *Faun. Brit. Ind. Fish.*, **1** : 262, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.* **3** : 57, text-fig. 54, 1937 (deep pools in clear stream., N. Bengal). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18** (2) : 168, 1952 (Barakar, Konar and Damodar river). David, *Indian J. Fish.*, **1** (1 & 2) : 252, 1954 (Hoogly river near Barrackpore). Job, David and Das, *Indian J. Fish.*, **2** (1) : 33, 1955 (Hirakud Dam, Mahanadi). Misra, *Rec. Indian Mus.*, **57** : 162, 1959. Ray and David, *Indian J. Fish.*, **9** (1A) : 118, 1962 (River Daha at Siwan, N. Bihar). Menon, *J. zool. Soc. India*, **14** (1 & 2) : 27, 1962 (Brahmaputra, Kosi, Bagmati and Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus). David, *Proc. nat. Acad. Sci. India.*, **33B** (2) : 278, 1963 (Godavary and Krishna rivers). Jhingran *et al.*, *J. Bombay nat. Hist. Soc.*, **61** (1) : 196, 1963 (Gandak river). David *et al.*, *Indian J. Fish.*, **14** : 62, 1967 (Cauvery river at Hogenaikal and Bhavani river at Moolathurai centre). Dutta and Majumdar, *Rec. zool. surv. India*, **62** : 83, 1970. Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 35, 1974 (throughout N. India, Pakistan, Bangladesh and Burma; introduced into S. India for culture purposes). Jayaram, *HBFW Fish. India*, p. 118, 1981 (throughout India, Pakistan, Nepal, Bangladesh, Burma). Jayaram, *et al. Rec. zool. Surv. India Occ. Pap.*, **36** : 71, 1982 (throughout N. India, Pakistan, Bangladesh, Burma; introduced into southern rivers). Sen, *Rec. zool. Surv. India. Occ. Pap.*, No. 64 : 70 1985 (India, Bangladesh, Pakistan, Burma). Yazdani and Singh, *J. Bombay nat. Hist. Soc.*, **87** : 169, 1989 (Ujini wetland, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 219, fig. 78, 1991 (Pakistan, North and central India. Bangladesh. Terai region of Nepal and Burma). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 89, 1991 (Introduced).

*Distribution* : India : Northern India. Pakistan, Nepal, Bangladesh, Burma. Introduced into Peninsular India and Sri Lanka.

*Habitat* : Rivers and culture ponds.

*Size* : 91.0 cm TL.

Genus 42 : *Schismatorhynchus* \* Bleeker

*Schismatorhynchus* Bleeker, *Nat. Tij. Ned. Ind.*, **9** : 158, 269, 1855 (Type, *Lobocheilus heterorhynchus* Bleeker).

Subgenus : *Nukta* Hora

*Nukta* Hora, *Rec. Indian Mus.*, **44**(1) : 133, 1942 (Type, *Cyprinus nukta* Sykes).

179. *Schismatorhynchus nukta* (Sykes)

*Cyprinus nukta* Sykes, *Trans. zool. Soc. Lond.*, **2** : 355, 1841 (Type-locality : Indranee river, Dukhun). Jerdon, *Madras J. Lit. Sci.*, **15** : 303, 1849.

*Labeo nukta*, Day, *J. Asiat. Soc. Beng.*, **41** : 319, 1872. Beavan, *HBFW Fish. India*, p. 65, 1877 (Deccan). Day, *Fish. India*, p. 543, pl. 128, fig. 5, 1878 (Deccan). Day, *Faun. Brit. Ind. Fish.* **1** : 270, 1889. Bhimachar and Rau, *J. Mys. Univ.*, **1** : 146, 1941 (Tunga river at Hariharapur). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B**(5) : 168, 1948 (Tungabhadra, Mysore).

*Schismatorhynchus nukta*, Hora, *Rec. Indian Mus.*, **44** : 10, fig. 7, 1942 (Poona). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43** (2) : 221, 1942 (Mysore, rivers of Deccan). Kalawar and Kelkar, *Bombay nat. Hist. Soc.*, **53**(1) : 673, 1955 (Kolhapur). Misra, *Rec. Indian Mus.*, **57** : 163, 1959 (Deolali, Poona and Mysore). David, *Proc. nat. Acad. Sci.*, **33B** (2) : 280, 1963 (Krishna). Jayaram, *HBFW Fish. India*, 115, 1981 (Peninsular India).

*Schismatorhynchus (Nukta) nukta*, Talwar and Jhingran, *Inland Fish.*, **1** : 297, fig. 103, 1991 (Maharashtra and Karnataka).

*Distribution* : India : Peninsular India : Deccan : Krishna river system.

*Habitat* : Large streams and rivers with sand and boulder bed.

*Size* : 30.0 cm TL.

*Status* : Rare.

Subtribe GARRAINA

Genus 43 *Crossocheilus* Kuhl et van Hasselt

*Crossocheilus* Kuhl et van Hasselt, *Alg. Konst. Letter-Bode*, **2** (35) : 132, 1823 (Type,

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\* *Schismatorhynchus* of Peninsular India is subgenerically different from the Indo-Australian forms, *S. (Schismatorhynchus) heterorhynchus* Bleeker.

*Crossocheilus oblongus* Kuhl et van Hasselt). Banarescu, *Trav. Mus. Hist. natn. Gr. Antipa*, **28** : 142-154, 1986 (Revision). Kottelat, *Jap. J. Ichthyol.*, **33**(4) : 371, 1987 (Generic name and type species discussed).

180. *Crossocheilus latius latius* (Hamilton)

*Cyprinus latius* Hamilton, *Fish. Ganges*, pp. 345, 393, 1822 (Type-locality : R. Tista)

*Cyprinus (Garra) sada* Hamilton, *Fish. Ganges*, pp. 344, 345, 393, 1822 (Type-locality : Brahmaputra river).

*Cyprinus (Garra) gohama* Hamilton, *Fish. Ganges*, pp. 346, 393, 1822 (Kosi and Ganges).

*Gonorhynchus macrosomus* McClelland, *Asiat. Res.*, **19**(2) : 282, 372, pl. 43, fig. 7, 1839 (from Hamilton's Ms. drawings).

*Gonorhynchus fimbriatus* McClelland, *Asiat. Res.*, **19**(2) : 282, 375, pl. 43, fig. 3, 1839 (From Hamilton's Ms. drawings).

*Gonorhynchus brevis* McClelland, *Asiat. Res.*, **19**(2) : 373, Pl. 43, fig. 6, 1839 (from Hamilton's MS drawings).

*Chondrostoma wattanah* Sykes, *Trans. Zool. Soc. Lond.*, **2** : 360, pl. 62, fig. 4. 1841 (Dukhun). Bleeker, *Verh. Bat., Gen.*, **25** : 25, 1853 (Bengal).

*Cyprinus sada*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 385, 1842.

*Crossocheilus gohama*, Bleeker, *Ichth. Arch. Ind. Prodr.*, **2** : 110, 1860. Gunther, *Cat. Fish. Brit. Mus.*, **7** : 72, 1868 (Bengal).

*Crossocheilus latius*, Bleeker, *Ichth. Arch. Ind. Prodr.*, **2** : 110, 1860. Hora and Mukherji, *Rec. Indian Mus.*, **38** (2) : 134, 143, fig. 4, 1936 (Eastern Doons). Hora and Gupta, *J. Asiat Soc. Beng.*, **6** : 79, 1941 (Kalimpong duars and Siliguri Terai, N. Bengal). Motwani and David, *J. zool. Soc. India*, **9**(1) : 11 (R.Sone). De Witt, *Stanford Ichth. Bull.*, **7**(4) : 84, 1960 (Nepal). Motwani, Jayaram and Sehgal, *Trop. Ecol.*, **3**(1-2) : 20, 1962 (Brahmaputra R. System, Assam). Srivastava, *Fish. Eastern U.P.*, p. 35, fig. 20, 1968 (Gorakhpur Dist.) Tilak and Baloni, *Rec. zool. Surv. India*, **81**(3-4) : 256, 259, 1984 (Tehri-Garhwal).

*Crossocheilus sada*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 74, 1868 (Brahmaputra R.). Beavan, *HBFW Fish. India*, pp. 70, 212, 1877 (Assam).

*Crossocheilus latius*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 71, 1868 (N. Bengal, Nepal, Assam, Cachar). Beavan *HBFW Fish. India*, pp. 69, 211, 1877 (mountain streams of Himalayas). Hora, *Rec. Indian Mus.*, **39**(1) : 44, 1937 (Nepal). Hora, *Rec. Indian Mus.* **39**(4) : 339, 1937 (Nandhaur, Kaliyuma river, Kumaon Himalayas.). Hora, *J. zool. Soc. India* **1**(1) : 6, 1949 (Rihand river, Mirzapur).

Menon, *Rec. Indian Mus.*, **47**(2) : 233, 1950 (Nepal).

*Cirrhina latia*, Day (in part), *Fish. India*, p.548, pl. 130, fig. 4, 1877 (Orissa, Bengal, Deccan, Eastern Himalayas. Western Himalayas, NWP, Pubjab, excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 279, 1889.

*Crossocheilus latia*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 132, 1937 (N. Bengal).

*Crossocheilus latius latius*, Misra, *Rec. Indian. Mus.*, **57** : 169, 1959 (U.P., Bihar W Bengal, Bangladesh. Pakistan excluded). Menon, *J. zool. Soc. India*, **4** (1) : 27, 1963 (Chindwin, Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamna). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1 : 25 1974 (Gangetic watershed of Himalayas, Assam, Burma). Pillai and Yazdani, *Rec. zool. Surv. India*, **72**(1) : 10, 1977, (Singhara and Someswari rivers, Garo hills, Meghalaya). Venkateswarlu, *Acta Ichth. Piscat.*, **7**(1) : 47, 1977 (Poonpun river, Bihar). Jayaram, *HBFW Fish India*, p. 134, fig. 66, 1981 (Ganga, Brahmaputra system, Nepal, Bangladesh. Pakistan excluded). Banarescu, *Trav. Mus. Hist. nat. Gri. Antipa.*, **28** : 147, 1986 (revision). Talwar and Jhingran, *Inland Fish.*, **1** : 416. 1991 (Ganges and Brahmaputra, Mahanadi and Krishna drainages).

*Distribution* : Ganga and Brahmaputra, along the Eastern Himalayas, Mahanadi drainage in Orissa and the Krishna drainage in Bombay Ghat portion of Western Ghats.

*Habitat* : Mountain streams and rivers.

*Size* : 12.4 cm TL.

### 181. *Crossocheilus latius diplocheilus* (Heckel)

*Barbus diplocheilus* Heckel, *Fische Caschmir*, p.53, pl. 10, fig. 1, 1838 (Type-locality : Kashmir). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 385, 1842.

*Tylognathus barbatulus* Heckel, in *Hugel's Reise*, **4** : 376, 1944.

*Cirrhina latia* (*nec* Hamilton), Day (in part), *Fish. India*, p.548, 1877 (Indus). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 279, 1889.

*Crossocheilus diplocheilus*, Steindachner, *Verh. zool. Bot. Ges. Wien.*, **16** : 791, 1866 (Kashmir).

*Crossocheilus latius punjabensis* Mukherjee, *J. Bombay nat. Hist. Soc.*, **37** : 53, fig. 7, 1935 (Type-locality Kotas Nallah, Salt range and Khewra Gorge, Pubjab). Menon, *Rec. Indian Mus.*, **47** : 229, 1949 (Hoshiarpur and Gurdaspur, E. Punjab). Silas, *J. Bombay nat. Hist. Soc.*, **70**(3) : 466, 1973 (Chamba, Mandi, Bilaspur, Sirmur, H.P.). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1 : 26, 1974 (Indus system of Punjab Himalayas including Kashmir and Afghanistan). Jayaram, *HBFW Fish. India*, p. 134, 1981 (Indus river system, of Punjab and Pakistan).

*Crossocheilus latius diplocheilus*, Silas, *J. Bombay nat. Hist. Soc.*, **57**(1) : 71, pl. 2, fig. 9 & 10, 1960 (Kashmir valley). Talwar and Jhingran, *Inland Fish.*, **1** : 415, 1991 (India : Kashmir).

*Distribution* : Southeastern Iran. Afghanistan. Pakistan : Indus drainage. India : Himachal Pradesh and Kashmir.

*Habitat* : Mountain streams, rivers and lakes.

*Size* : 10.0 cm TL.

### 182. *Crossocheilus periyarensis* Menon and Jacob

*Crossocheilus periyarensis* Menon and Jacob, *J. Bombay nat. Hist. Soc.*, **93**(1) : 62, 1996.

*Distribution* : India : Kerala : Western Ghats : Periyar river.

*Habitat* : Fast flowing streams with rocky bed.

*Size* : 11.5 cm TL.

### Genus 44 : *Garra* Hamilton

*Garra* Hamilton, *Fish. Ganges*, pp.343, 393, 1822 (Type, *Cyprinus lamta* Hamilton).

*Platyicara* McClelland, *J. Asiat. Soc. Beng.*, **7**(2) : 947, 1838 (Type, *Platyicara nasuta* McClelland).

*Discognathus* Heckel, *Russ. Reis.*, **1** : 1069, 1843 (Type, *Discognathus variabilis* Heckel).

*Lissorhynchus* Bleeker, *Ichth. Arch. Ind. Prodr.*, pp. 38, 85, 86, 1860 (name spelt both *Lissorhyncha* and *Lissorhynchus* by Bleeker, (Type, *Platyicara lissorhynchus* McClelland).

*Discognathichthys* Bleeker, *Ichth. Arch. Ind. Prod.*, p. 128, 1860 (Type, *Discognathus variabilis* Heckel).

*Mayoya* Day, *Proc zool. Soc. Lond.*, p. 553, 1869 (Type, *Mayoya modesta* Day).

*Ageneiogarra* Garman, *Mem. Comp. zool. Harvard. U.S.A.*, **40** : 114, 1912 (Type, *Garra imberba* Garman).

### 183. *Garra annandalei* Hora

*Garra annandalei* Hora, *Rec. Indian Mus.*, **22** : 657, 1921 (Type-locality : Mahanadi river below Darjeeling). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, (3) **48**, fig. 44, 1937 (Clear streams from plains level to about 1600 ft., N. Bengal).

Hora and Gupta, *J. Asiat. Soc. Beng.*, 6(3) : 79, 1940 (Kalimpong Duars and Siliguri Terai). Menon *Rec. Indian Mus.*, 47 : 233, 1949 (Kosi drainage at Chhatra and Kokha nullah, E. Nepal). De Witt, *Stanford Ichth. Bull.*, 7(4) 74, 1960 (Nepal). Menon, *Mem. Indian Mus.*, 14 : 217, 1964 (Revision). Jayaram, *HBFW Fish. India*, p.135, 1981 (Darjeeling Himalaya, Kosi drainage, Nepal, Bangladesh). Talwar and Jhingran *Inland Fish.*, p. 419, 1991 (N. Bengal, Assam, E. Nepal, Kosi drainage and Bangladesh).

*Garra chaudhuri* Hora, *Rec. Indian Mus.*, 22 : 617, pl. 115, fig. 3, 1921(Darjeeling).

*Garra satyendranathi* Ganguly and Datta, *Ind. Biologist*, 5 : 91, 1973 (Type-locality : Subarnarekha river, Bihar).

*Distribution* : India : West Bengal ; Darjeeling; Bihar. Nepal : Kosi drainage, East Nepal.

*Habitat* : Mountain streams.

*Size* : 14.6 cm SL.

#### 184. *Garra bicornuta* Rao

*Garra bicornuta* Rao, *Ann. Mag. Nat. Hist.*, 16 : 57, pl. 1, fig. 3, 3a, 3b, 1920 (Type-locality : River Tunga in Shimoga, Karnataka State). Hora, *Rec. Indian Mus.*, 22 : 651, 1921. Hora, *Rec. Indian Mus.*, 44 : 196, 1942. Bhimachar and Rao, *J. Mys. Univ.*, 1 (16) : 146, 1941. Bhimachar, *Fish. Bull. Dept. Agri. Mysore*, 1 : 38, 1942. Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, 53(1) :672, 1955 (Kolhapur). Menon, *Mem. Indian Mus.*, 14(4) : 242, 1964 (Thunga system, Mysore). Jayaram *HBFW Fish. India*, p.135, 1981 (Thunga river system, Karnataka). Talwar and Jhingran *Inland Fish.*, 1 : 420, 1991 (Thunga river system and Maharashtra).

*Distribution* : India Thunga river system in Mysore and Kolhapur in Maharashtra.

*Habitat* : Mountain streams.

*Size* : 10.0 cm SL.

*Status* : Rare.

#### 185. *Garra gotyla gotyla* (Gray)

*Cyprinus gotyla* Gray, *Ill. Ind. zool.*, 1 88, fig. 3, 3a, 1832.

*Garra bimaculatus* McClelland, *Asiat. Res.*, 56(1) 345, pl. 2, 1839 (Type-locality Mishmee mountains).

*Garra gotyla*, Hora, *Rec Indian Mus.*, 22 : 653, 1921 Hora and Mukerjee, *Rec. Indian*

*Mus.* **22** : 653, 1921. Hora and Mukerjee, *Rec. Indian Mus.*, **38** : 144, 1936. Hora, *Rec. Indian Mus.*, **39** : 333, 1937. Hora, *Rec. Indian Mus.*, **40** : 176, 1938. Hora and Nair, *Rec. Indian Mus.*, **40** : 176, 1938. Hora and Nair, *Rec. Indian Mus.*, **43** : 369, 1940. Menon, *J. Bombay nat. Hist. Soc.*, **48** (3) : 539, 541, 1949. Menon, *Rec. Indian Mus.*, **47** : 299, 1950. Menon, *Rec. Indian Mus.* : **47** : 233, 1950. Menon, *Proc. nat. Inst. Sci.*, **22**(4) : 480, 1954. Menon, *Rec. Indian Mus.*, **52** : 22, 1955.

*Discognathus lamta*, Day, (in part), *Fish India*, p. 527, pl. 213, fig.1, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 346, 1889. Vinciguerra, *Ann. Mus. Stor. Nat. Gen.*, **29** : 275, 1889-90.

*Garra kangrae* Prashad, *Rec. Indian Mus.*, **16** : 162, fig. 1, 1a, 1919 (Type-locality : Jaugal khand, Kangra).

*Discognathus jerdoni* var. *kangrae*, Annandale, *Rec. Indian. Mus.*, **18** : 74, 1919.

*Garra monti-salsi* Hora, *Rec. Indian Mus.*, **22** : 651, 1921 (Type-locality : Nilwan ravine near Shapur, Salt Range, Punjab).

*Garra lamta*, Hora (in part), *Rec. Indian Mus.*, **22** : 660, 1921.

*Garra gotyla gotyla*, Menon, *Mem. Indian Mus.*, **14**(4) : 233, 1964 (Assam, all along Himalayas, Chota-Nagpur plateau and Vindhya - Satpura Mountain, West Punjab to Peshawar, Pakistan). Jayaram, *HBFW Fish. India.*, p. 136, 1981. Talwar and Jhingran, *Inland Fish.*, **1** : 425, 1991 (All along Himalaya, Chota-Nagpur plateau, Vindhya and Satpura Mountains of the Indian Peninsula; Bangladesh and Upper Burma).

*Distribution* : India : Assam, all along the Himalayas, Chota-Nagpur plateau, and the Vindhya-Satpura Mountains of the Peninsula. Burma : Upper Burma. Pakistan : Punjab to Peshawar.

*Habitat* : Mountain streams.

*Size* : 14.5 cm TL.

#### 186. *Garra gotyla stenorhynchus* (Jerdon)

*Gonorhynchus stenorhynchus* Jerdon, *Madras J. Lit Sci.*, **15** : 310, 1847 (Type-locality : Bhawany river, Neilgheris).

*Garra gotyla*, Day, *Proc. zool. Soc. Lond.*, p. 288, 1867.

*Discognathus jerdoni* Annandale (in part), *Rec. Indian Mus.*, **18** : 73, pl. 9, fig. 1, pl. 11, fig. 3, 1919.

*Discognathus gotyla*, Annandale, *Rec. Indian Mus.* **18** : 75, pl. 10 fig. 1, pl. 11, fig. 6, 1919.

*Garra jerdonia*, Rao (in part), *Ann. Mag. Nat. Hist.*, 6(9) : 53, 1920.

*Garra stenorhynchus*, Rao, *Ann. Mag. Nat. Hist.*, 6(9) : 53, 1920. Hora (in part), *Rec. Indian Mus.*, 22 : 653, 1921. Hora, *Rec. Indian Mus.*, 44 : 196, 1942. Bhimachar, *Fish. Bull. Dept. Agri. Mysore*, 1 : 38, 1942. Rajan, *J. Bombay nat. Hist. Soc.*, 53(1) : 45, 1955 (Bowany river).

*Garra gotyla stenorhynchus*, Menon, *Mem. Indian Mus.*, 14(4) : 236, 1964 (Cauvery and Krishna drainages, Western Ghats, Coimbatore, Coorg, and Kurnool). Jayaram, *HBFW Fish. India*, p. 136, 1981 (Cauvery and Krishna river system., W Ghats). Talwar and Jhingran, *Inland Fish.*, 1 : 422, 1991 (Cauvery and Krishna drainages, W Ghats).

*Distribution* : India : Western Ghats : Cauvery and Krishna drainages.

*Habitat* : Mountain streams.

*Size* : 15.5 cm SL.

#### 187. *Garra hughi* Silas

*Garra hughi* Silas, *Rec. Indian Mus.*, 52 : 1, 1955 (Type-locality Streams in the lower Vauguvarrai Estate, High Range, Travancore). Menon, *Mem. Indian Mus.*, 19(4) : 230, 1964 (Cardamom and Palani hills, W Ghats). Jayaram, *HBFW Fish. India*, p. 136, 1981 (High range, Travancore). Talwar and Jhingran, *Inland Fish.*, 1 : p. 424, fig. 148, 1991 (Peninsular India : Cardamom and Palani Hills, W Ghats.)

*Distribution* : India : Kerala : Western Ghats : Cardamom and Palani hills.

*Habitat* : Mountain streams.

*Size* : 15.5 cm SL.

#### 188. *Garra kalakadensis* Rema Devi

*Garra kalakadensis* Rema Devi, *Rec. zool. Surv. India*, 91(2): 239-245, pl. 1&2, 1992 (Type-locality : Pachaiyar, Sengaltheri, Kalakad Wildlife Sanctuary, Tirunelveli, Tamil Nadu).

*Distribution* : India : Tamil Nadu Pachaiyar, Kalakad Wildlife Sanctuary, Tirunelveli.

*Habitat* : Mountain streams.

*Size* : 6.9 cm SL.

#### 189. *Garra kempi* Hora

*Discognathus lamta*, Chaudhuri (*nec* Hamilton), *Rec. Indian Mus.*, 8 : 247, 1913 (Siyom

river below Damda, Abor hills).

*Garra nasutus*, Hora (in part), *Rec. Indian Mus.*, **22** : 655, pl. 24, fig. 4, 1921.

*Garra kempi* Hora, *Rec. Indian Mus.*, **22** : 655, pl. 26, fig. 3, 3a, 1921 (Abor-hills, Assam). Hora, *Rec. Indian Mus.*, **37** : 390, 1935 (Naga hills, Assam). Menon, *Mem. Indian Mus.*, **14** : 227, 1964 (Revision). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1 : 28, 1974 (Abor and Naga hills, Assam). Jayaram, *HBFW Fish. India*, p. 136, 1982 (Abor hills, Arunachal Pradesh).

*Distribution* : India : Arunachal Pradesh : Abor-hills; Nagaland : Naga hills.

*Habitat* : Mountain streams.

*Size* : 11.25 cm SL.

#### 190. *Garra lamta* (Hamilton)

*Cyprinus (Garra) lamta* Hamilton (in part), *Fish. Ganges*, pp. 343, 393, 1822 (Type-locality : Tinau river at Butwal, Nepal). McClelland, *Asiat. Res.*, **19** : 282, pl. 43, fig. 2, 1839 (from Hamilton's Ms. drawings).

*Discognathus lamta* Gunther (in part), *Cat. Fish. Brit. Mus.*, **7** : 69, 1868. Day (in part), *Fish. India*, p. 527, pl. 122, fig. 4, pl. 123, fig. 1, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 246, 1889.

*Garra prashadi* Hora, *Rec. Indian Mus.*, **2** : 669, pl. 24, fig. 3, 1921 (Type-locality : Malwa Tal Nainital, U.P. ). Hora, *Rec. Indian Mus.*, **39** : 399, 1937 (Kumaon Himalayas). Menon, *J. Bombay nat. Hist. Soc.*, **48** (3) : 541, 1949 (R. Kosi at Khairna, Kumaon Himalayas).

*Garra mullya*, Menon (*nec* Sykes), *Rec. Indian Mus.*, **47** : 233, 1949 (R. Kosi at Barahashetra, E. Nepal).

*Garra lamta*, De Witt, *Stanford Ichth. Bull.*, **7**(4) : 74, 1960 (R. Trisuli, Nepal). Menon, *Mem. Indian Mus.*, **14** : 208, pl. 10, fig. 2-6, 1964 (Revision). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 29, 1974 (Darjeeling and Kumaon Himalayas, Assam, Nepal and Sikkim). Jayaram, *HBFW Fish. India*, p. 136, 1981 (Darjeeling, Kumaon Himalayas, Assam and Sikkim, Nepal and Pakistan). Talwar and Jhingran, *Inland Fish.*, **1** : 426, 1991 (Darjeeling and Kumaon Himalayas, Assam, Sikkim and E. Nepal.)

*Distribution* : India : Darjeeling, Sikkim and Kumaon Himalayas. Nepal : Eastern Nepal.

*Habitat* : Mountain streams.

*Size* : 13.35 cm SL.

191. *Garra lissorhynchus*\* (McClelland)

*Platy cara lissorhynchus* McClelland, *Calcutta J. Nat. Hist.*, 2 : 587, pl. 18, 1842 (Type-locality : Khasi hills, Assam).

*Discognathus macrochir* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 70, 1868 (Assam).

*Mayoa modesta* Day, *Proc. zool. Soc. Lond.*, p. 553, 1869 (Type-locality Northern India). Day, *J. Asiat. Soc. Beng.*, 40(2) : 108, pl. 9, fig. 2, 1871.

*Discognathus modestus* Day, *Fish. India*, p. 528, pl. 122, fig. 5, 1877. Day, *Faun. Brit. India Fish.*, 1 : 247, 1889.

*Garra lissorhynchus*, Hora, *Rec. Indian Mus.*, 22 : 662, pl. 26, figs. 2, 2a, 1926. Hora and Mukerji, *Rec. Indian Mus.*, 37 : 390, 1935 (Naga hills, Assam). Menon, *Rec. Indian Mus.*, 52 : 22, 1954. Menon, *Mem. Indian Mus.*, 14 : 219, 1964 (Revision). Menon, *Inland Fish. Soc. India*, No. 1 : 21, 1974. Jayaram, *HBFW Fish. India*, p. 136, 1981 (Brahmaputra river system, Assam Himalaya). Talwar and Jhingran, *Inland Fish.*, 1 : 427, fig. 50, 1991 (Brahmaputra river, Assam Himalaya).

*Distribution* : India : Meghalaya : Khasi and Jaintia hills; Nagaland : Naga hills.

*Habitat* : Mountain streams.

*Size* : 7.35 cm SL.

192. *Garra mcClellandi* (Jerdon)

*Gonorhynchus mcClellandi* Jerdon, *Madras J. Lit. Sci.*, 15 : 309, 1849 (Type-locality : Bawany river at the foot of the Neilgherries and also in the Manantoddy river).

*Garra jerdoni* Day, *Proc. zool. Soc. Lond.*, p. 288, 1867 (very common in the Seegoor river; rare in the Bowany). Hora, *Rec. Indian Mus.*, 22 : 657, 1921. Bhimachar and Rao, *J. Mys. Univ.*, 1 (16) : 146, 1941. Hora, *Rec. Indian Mus.*, 44 : 196, 1942. Rajan, *J. Bombay Nat. Hist. Soc.*, 53(1) : 45, 1955 (Bowany). Menon, *Mem. Indian Mus.*, 14(4) : 228, 1964 (Revision). Jayaram, *HBFW Fish. India*, p. 136, 1981 (Cauvery drainage, Nilgiri Dist., Tamil Nadu). Talwar and Jhingran, *Inland Fish.*, 1 : 428, 1991 (Cauvery drainage).

*Discognathus jerdoni*, Day, *Fish. India*, p. 528, pl. 122, fig. 6, 1878. Day, *Faun. Brit. Ind. Fish.*, 1 : 247, 1889.

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\* A new species *Garra manipurensis* Viswanath and Sarojnalini allied to *G. lissorhynchus* (*Japan J. Ichthyol.*, 35 : No. 2 : 124-26, 1988) is not included here. Fresh collections are required to confirm its specific identity.

*Discognathus elegans* Annandale, *Rec. Indian Mus.*, **19** : 76, pl. 9, fig. 4 & pl. 2, fig. 5, 1919 (Nierolay stream base of the Nilgiris).

*Discognathus platycephala* Rao, *Ann. Mag. Nat. Hist.*, **9(6)** : 56, pl. 1, fig. 2, 2a, 2b, 1920 (Srirangapatnam, Mysore).

*Distribution* : India : Tamil Nadu : Cauvery drainage, Nilgiri Dist.

*Habitat* : Mountain streams.

*Size* : 17.4 cm SL.

### 193. *Garra menoni* Rema Devi and Indra

*Garra menoni* Rema Devi and Indra, *Bull. zool. Surv. India*, **5** (2 and 3) : 121, 1984 (Type-locality : River Kunthi, Silent Valley).

*Distribution* : India : Kerala : Silent valley: Kunthi river.

*Habitat* : Mountain streams.

*Size* : 6.9 cm SL.

*Status* : Rare.

### 194. *Garra mullya* (Sykes)

*Cyprinus (Garra) lamta* Hamilton (in part), *Fish. Ganges* pp. 343, 1822.

*Chondrostoma mullya* Sykes, *Trans. zool. Soc. Lond.*, **2** : 359, pl. 62, fig. 3, 1841 (Type-locality : Beema river at Dounde).

*Discognathus fusiformis* Heckel, *Fische Cachmir*, p. 387, 1844 (Type-locality : Bombay).

*Gonorhynchus gotyla (nec Gray)* Jerdon, *Madras J. Lit. Sci.*, **15** : 309, 1848 (Bhowany river at the foot of the Nilgherries and also in the Manantoddy river, both tributaries of the Cauvery.)

*Garra malabarica* Day, *Proc. zool. Soc. Lond.*, p. 297, 1865 (Type-locality : Kurriavanoor river, Malabar). Day, *Fish. Malabar*, p. 205, pl. 15, fig. 1, 1865.

*Garra alta* Day, *Proc. zool. Soc. Lond.*, p. 349, 1867 (Type-locality : Wynaad hills, Western Ghats, S. India).

*Discognathus lamta*, Gunther (in part), *Cat. Brit. Mus. Fish.*, **7** : 69, 1868. Day (in part), *Fish. India*, p. 527, pl. 122, fig. 4 & pl. 113, fig. 1, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 246, 1889.

- Garra lamta* (nec Hamilton) Jenkins, *Rec. Indian Mus.*, **5** : 128, 1910. Hora (nec Hamilton), *Rec. Indian Mus.*, **22** : 660, pl. 20, figs. 2, 2a, 1921. Hora (nec Hamilton). *Rec. Indian Mus.*, **39** : 344, figs. 9 & 10, 1937. Menon (nec Hamilton), *Rec. Indian Mus.*, **48** : 71, 72, 1950.
- Discognathus lamta*, Annandale (in part), *Rec. Indian Mus.*, **16** : 131, fig. 1, pl. 2, fig. 1 & 1a, 1919. Anandale (in part), *Rec. Indian Mus.*, **16** : 72, 1919. Rao, *Ann. Mag. Nat. Hist.* **6**(9) : 49, 1920.
- Discognathus jerdoni* Annandale (in part), *Rec. Indian Mus.*, **16** : 132, 1919. Annandale (in part) *Rec. Indian Mus.*, **18** : 73, pl. 9, fig. 1, pl 11, fig. 3, 1919.
- Discognathus nasutus* (nec McClelland) Anandale, *Rec. Indian Mus.*, **16** : 132, pl 2, fig. 2, 2a, 1919.
- Garra jerdonia* Rao (in part), *Ann. Mag. Nat. Hist.*, **6**(9) : 49, 1920.
- Garra jerdonia* var. *brevimentalia* Rao, *Ann. Mag. Nat. Hist.*, **6**(9) : 54, pl. 1, figs. 1a, 1b, 1920 (Type-locality : Harangi river, Madapur, Coorg).
- Garra jenkinsianum* Hora, *Rec. Indian Mus.*, **22** : 673, pl. 25, fig. 1, 1921 (Type-locality : Sita nallah, Parasnath hills, Bihar).
- Garra mullya*, Hora, *Rec. Indian Mus.*, **22** : 658, 1921. D' Abrue, *Rec. Hagpur Mus.*, **9** : 27, 1936. Hora, *Rec. Indian Mus.*, **40** : 237, 339, 1938. Das, *Rec. Indian Mus.*, **42** : 444, 1939. Hora, *Rec. Indian Mus.*, **42** : 370, 1941. Hora and Law, *Rec. Indian Mus.*, **43** : 248, 1942. Hora and Nair, *Rec. Indian Mus.*, **43** : 369, 1942. Fraser, *J. Bombay nat. Hist. Soc.*, **52**(1) : 79, 1942. Hora and Misra, *J. Bombay, nat. Hist. Soc.*, **43** : 220, 1942. Bhimachar, *Fish. Bull. Dept. Agri. Mysore*, **1** : 38, 1942. Chauhan, *Rec. Indian Mus.*, **45** : 274, 1947. Hora, *J. zool. Soc. India*, **1** (1) : 2, 3, 1949. Silas, *J. Bombay nat. Hist. Soc.*, **49** : 474, 1951. Silas, *J. Bombay nat. Hist. Soc.*, **50** : 470, 1951. Menon, *Proc. nat. Inst. Sci. India*, **17** (6) : 484, 1951. Rajan, *J. Bombay nat. Hist. Soc.*, **53** (1) : 45, 1955 (Bowany river). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53** (1) : 672, 1955 (Kolhapur, Maharashtra). Motwani and David, *J. zool. Soc. India*, **9**(1) : 11, 1957 (River Sone). David, *Proc. nat. Acad. Sci. India*, **33B** (2) : 278, 1963 (Krishna and Godavary). Menon, *Mem. Indian Mus.*, **14**(4) : 212, 1964 (throughout India, except Assam and Himalayas). Dutta and Majumdar, *Rec. zool. Surv. India*, **62** (1 and 2) : 80, 1970 (Jawai). Jayaram, *HBFW Fish. India*, p.136, 1981 (throughout India except Assam and Himalayas). Talwar and Jhingran, *Inland Fish.*, **1** : 429, 1991 (Throughout India except Assam and Himalayas).

*Distribution* : Throughout Peninsular India.

*Habitat* : Mountain streams.

*Size* : 16.8 cm SL.

#### 195. *Garra naganensis* Hora

*Garra naganensis* Hora, *Rec. Indian Mus.*, **22** : 667, pl. 25, fig. 2, 2a, 1921 (Type-locality : Naga hills, Assam). Hora, *Rec. Indian Mus.*, **37** : 390, 1935 (Naga hills). Hora, *Rec. Indian Mus.*, **38** : 318, 1936 (Naga hills). Menon, *Mem. Indian Mus.*, **14** : 226, 1964 (Revision). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 29, 1974 (Naga hills). Jayaram, *HBFW Fish. India*, p. 136, 1981 (Naga hills, Nagaland). Sen, *Rec. zool. Surv. India Occ. Pap.*, No. 64 : 67, 1985 (Nagaland. Assam excluded). Talwar and Jhingran, *Inland Fish.*, **1** : 430, 1991 (Nagaland).

*Garra tirapensis* Datta and Barman, *Bull. zool. Surv. India*, **6**(1-3) : 283, 1984 (Type-locality : Namdapha wildlife sanctuary, Arunachal Pradesh).

*Distribution* : India : Nagaland : Naga hills; Arunachal Pradesh : Namdapha river.

*Habitat* : Mountain streams.

*Size* : 10.45 cm SL.

#### 196. *Garra nasuta* (McClelland)

*Platy cara nasuta* McClelland, *J. Asiat. Soc. Beng.*, **7**(2) : 947, pl. 55, fig. 2, 2a, 2b, 1838 (Type-locality : Khasi hills, Assam). McClelland, *Asiat. Res.*, **19** : 300, pl. 67, fig. 2, 1839.

*Gonorhynchus caudatus* McClelland, *Asiat Res.*, **19** : 375, 1839 (Type-locality : Khasi hills, Assam).

*Discognathus nasutus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 70, 1869. Menon, *Rec. Indian Mus.*, **52**, 1954 (Manipur).

*Garra nasuta*, Menon, *Mem. Indian Mus.*, **14** : 239, pl. 3, fig. 11-12; 1964. Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 29 : (Assam, Burma, South China and Indo-China). Jayaram, *HBFW Fish. India*, **136**, 1981 (Assam, Burma, S. China, Vietnam). Talwar and Jhingran, *Inland Fish.*, **1** : 430, 1991 (Assam, Meghalaya, Arunachal Pradesh, Borneo, South China and Vietnam).

*Distribution* : India Meghalaya : Khasi Hills; Manipur. Burma. South China and Vietnam.

*Habitat* : Mountain streams.

*Size* : 10.3 cm SL.

197. *Garra rupecula* (McClelland)

*Gonorhynchus rupeculus* McClelland, *Asiat. Res.*, **19** : 281, 343, pl. 53, fig. 4,5, 1839.  
(Type-locality Mishmi hills, Assam, now in Arunachal Pradesh).

*Gonorhynchus brachypterus* McClelland, *Asiat. Res.*, **19** : 283, 374, 1939 (Mishmi hills, Assam, now in Arunachal Pradesh).

*Garra abhoyai* Hora, *Rec. Indian Mus.*, **22**: 664, pl. 26, fig. 1, 1a, 1b, 1921 (Type-locality : Ukhrul, Naga hills, Assam). Hora, *Rec. Indian Mus.*, **37** : 383, 1935. Menon, *Rec. Indian Mus.*, **52** : 22, 1955.

*Garra rupeculus* Hora, *Rec. Indian Mus.*, **22** : 674, pl. 24, fig. 1, 1921 Hora, *Rec. Indian Mus.*, **37** : 383, 1935 (Naga hills). Menon, *Mem. Indian Mus.*, **14**(4) : 220, 1964. Menon, *Inland Fish. Soc. India Spl. Publ. No. 1* : 30, 1974 (Manipur, Mishmi hills, Assam).

*Garra rupecula*, Jayaram, *HBFW Fish. India*, p. 136, 1981 (Manipur and Mishmi hills). Talwar and Jhingran, *Inland Fish.*, **1** : 432, fig. 151, 1991 (Manipur and Mishmi hills, Arunachal Pradesh).

*Distribution* : India Manipur and Mishmi hills in Arunachal Pradesh.

*Habitat* : Mountain streams.

*Size* : 6.45 cm SL.

Genus 45 : *Horalabiosa* Silas

*Horalabiosa* Silas, *Rec. Indian Mus.*, **51**(1) : 30, 1953 (Type, *Horalabiosa joshuai* Silas).

198. *Horalabiosa joshuai* Silas

*Horalabiosa joshuai* Silas, *Rec. Indian Mus.*, **51**(1) : 30, text-fig. & pl. 5, 1953. (Type-locality Singampatty, Tirunelveli, Tamil Nadu). Rema Devi, *Rec. zool. Surv. India* 92(1-4):193-209, pl. 1, 1992 (Kalakad wildlife sanctuary, Tirunelveli Dist, Tamil Nadu). Rema Devi and Menon, *Rec. Zool. Surv. India*, 94(2-4) 247-251, 1994 (Silent valley : Kerala).

*Distribution* : India Tirunelveli Singampatty and Kalakad wildlife sanctuary; Kerala Silent Valley.

*Habitat* : Mountain streams.

*Size* : 9.0 cm SL.

199. *Horalabiosa palaniensis* Rema Devi and Menon

*Horalabiosa palaniensis* Rema Devi and Menon, *J. Bombay nat. Hist. Soc.*, **91**(1) : 110-111, 1994, (Type-locality : Palani hills).

*Distribution* : India : Western Ghats : Palani Hills.

*Habitat* : Mountain streams.

*Size* : 7.7 cm SL.

*Status* : Rare.

Genus 46 : *Psilorhynchus* McClelland

*Psilorhynchus* McClelland, *Asiat. Res.*, **19** : 300, 428, 1839 (Type, *Cyprinus balitora* Hamilton). Rainboth, *Proc. Calif. Acad. Sci.*, **43**(6) : 67-76, 1983 (Revision).

200. *Psilorhynchus balitora* (Hamilton)

*Cyprinus balitora* Hamilton, *Fish. Ganges*, pp. 348, 394, 1822 (Type-locality : Rivers of North-eastern Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **16** : 451, 1842.

*Psilorhynchus variegatus* McClelland, *Asiat. Res.*, **19** : 300, 430 (from Hamilton's Ms.drawings) 1839.

*Psilorhynchus balitora*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 343, 1868. Day, *J. Asiat. Soc. Beng.*, **106**, 1871. Day, *Fish. India*, p. 527, pl. 121, fig. 7, pl. 122, fig. 3, 1877 (Hill streams and rapids in N.E. Bengal and Assam). Day, *Faun. Brit. Ind. Fish.*, **1** : 244, 245, 1889 (North-East Bengal and Assam). Hora, *Rec. Indian Mus.*, **19** : 208, 1920. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 60, pl. 2, fig. 3, and text-fig. 57, 1937. Kaushiva, *Curr. Sci.*, **20** : 164, 1951. Menon, *J. zool. Soc. India*, **14** (1) : 27, 1962 (Brahmaputra, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna). Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 47, 1974 (Jamuna, Gomti, West Bengal, Assam and Burma). Jayaram, *HBFW Fish. India*, **140**, 1981 (Delhi, Lucknow, N. Bengal, Assam, Bangladesh, Burma). Talwar and Jhingran, *Inland Fish.*, **1** : 438, 1991.

*Psilorhynchus homaloptera* Hora and Mukerji (in part), *Rec. Indian Mus.*, **37**(3) : 391, 1935 (Assam. Naga hills excluded).

*Distribution* : India North Bengal and Assam; Himachal Pradesh : Upper reaches of Yamuna; Uttar Pradesh : Gomti river at Lucknow. Bangladesh. Nepal. Burma.

*Habitat* : Shallow running streams with pebbly and sandy bottom, usually associated with hard substrates, maintaining contact with the substrate.

*Size* : 5.6 cm SL.

201. *Psilorhynchus homaloptera* Hora and Mukerji

*Psilorhynchus homaloptera* Hora and Mukerji (in part), *Rec. Indian Mus.*, **37**(3) : 391, pl. 7, figs. 1-6. (Type-locality : Emilomi, Naga hills. Nagaland). Menon, *J. zool. Soc. India*, **14**(1) : 28, 1962. Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 48, 1974 (Naga hills, Nepal. Assam excluded). Jayaram, *HBFW Fish. India*, p. 140, 1981 (Nepal, Naga hills). Talwar and Jhingran, *Inland Fish.*, **1** : 441, 1991

*Psilorhynchus homaloptera* var. *rowleyi* Hora and Misra, *J. Bombay nat. Hist. Soc.*, **42**(3) : 481, pl. 1, fig. 1 and 2, 1941 (Chindwin river at Kora, U. Burma).

*Distribution* : India Naga hills (Brahmaputra drainage). Burma : Chindwin drainage.

*Habitat* : High gradient streams with rocky bed.

*Size* : 6.4 cm SL.

202. *Psilorhynchus pseudecheneis* Menon and Datta

*Psilorhynchus pseudecheneis* Menon and Datta, *Rec. Indian Mus.*, **58** : 28, 1961 (Type-locality: Dudh, Kosi drainage, E. Nepal). Menon, *J. zool. Soc. India*, **14**(1) : 28, 1962 (Kosi drainage). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 48, 1974 (Dudh, Kosi drainage, E. Nepal). Jayaram, *HBFW Fish. India*, p. 140, 1981 (Nepal Himalayas). Shrestha, *Fish. Nepal*, p. 106, 1981 (Nepal). Talwar and Jhingran, *Inland Fish.*, **442**, 1991.

*Distribution* : Eastern Nepal : Dudh, Kosi drainage.

*Habitat* : High gradient streams with sandy bottom.

*Size* : 5.0 cm TL.

203. *Psilorhynchus sucatio* (Hamilton)

*Cyprinus sucatio* Hamilton, *Fish. Ganges*, pp. 347, 393, 1822 (Type-locality : Rivers of Northern Bengal). McClelland, *Asiat. Res.*, **19** : 299, 429, pl. 50, fig. 1 (from Hamilton's MS drawings) 1839.

*Psilorhynchus sucatio*, Hora, *Rec. Indian Mus.*, **21** : 731, 1921 (Garo hills, Assam). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 61, fig. 58, 1937 (Mahananda). Menon, *J. zool. soc. India*, **14**(1) : 28, 1962 (Bagmati, Gandak drainages). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1 : 48, 1974 (Darjeeling and Assam Himalayas). Jayaram, *HBFW Fish. India*, p. 140, 1981 (Darjeeling, Assam Himalaya and Bangladesh). Shrestha, *Fish. Nepal*, p. 108, 1981 (Nepal). Talwar and Jhingran, *Inland Fish.*, **1** : 442, 1991

*Psilorhynchus sucatio* var. *damodarai* David, *J. zool. Soc. Ind.* **5**(2) : 249, 1953 (Damodar river).

*Psilorhynchus sucatio nudithoracicus* Tilak and Husain, *Mitt. zool Mus. Berlin*, **56** : 35, fig. 1, 3, 1980 (Bilsanda, U.P.).

*Distribution* : India : Assam and Meghalaya, Uttar Pradesh and Bihar. Bangladesh. Nepal.

*Habitat* : Clear Sandy streams, commonly near emergent vegetation.

*Size* : 5.0 cm SL.

Genus 47 : *Parapsilorhynchus* Hora

*Parapsilorhynchus* Hora, *Rec. Indian Mus.*, **22**(1) : 13, 1921 (Type, *Psilorhynchus tentaculatus* Annandale)

204. *Parapsilorhynchus prateri* Hora and Misra

*Parapsilorhynchus prateri* Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40** : 32, 1938 (Type-locality : Narsullah wadi, Deolali). Jayaram, *HBFW Fish. India*, **132**, 1981 (Deolali, Maharashtra). Talwar and Jhingran, *Inland Fish.*, **1** : 435, pl. 152, 1991 (Nasik region of Western Ghats).

*Distribution* : India : Maharashtra : Deolali.

*Habitat* : High gradient streams with rocky bottom.

*Size* : 5.9 cm SL.

205. *Parapsilorhynchus tentaculatus* (Annandale)

*Psilorhynchus tentaculatus* Annandale, *Rec. Indian Mus.*, **16** : 125, 1919 (Type-locality : Pophli, Vashishti Valley, Ratnagiri Dist. Poona, Maharashtra).

*Parapsilorhynchus discophorous* Hora, *Rec. Indian Mus.*, **22** : 13, 1921 (Pophli, Vashishti Valley, Ratnagiri, Maharashtra).

*Parapsilorhynchus tentaculatus* Hora, *Rec. Indian Mus.*, **40**(3) : 237, 1938. Hora and Nair, *Rec. Indian Mus.*, **43** : 369, 1941 (Satpura range). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43**(2) : 221, 1942 (Poona). Fraser *J. Bombay nat. Hist. Soc.*, **43**(1) 90, 1942. Silas, *J. Bombay nat. Hist. Soc.*, **51** : 581, 1953 (Mahabaleswar and Wai). Jayaram, *HBFW Fish india*, **132**, 1991 (Ratnagiri and Poona, Maharashtra). Talwar and Jhingran, *Inland Fish.* **1** : 436, 1991 (Maharashtra, Madhya Pradesh). Rema Devi and Menon, *Ichthyl Explor. Fresh waters*, **6**(3) : 279-282, 2figs. 1995 (Eastern Ghats : Araku valley).

*Distribution* : India : Maharashtra : Poona, Ratnagiri and Satara districts (Krishna river system); Madhya Pradesh : Satpura hills and Bailadila range; Andhra Pradesh Araku Valley.

**Habitat** : Hill streams with sandy and gravelly bottom, at lower ranges.

**Size** : 4.5 cm TL.

Superfamily : COBITOIDEA  
 Family 5 : COBITIDAE  
 Subfamily : BOTIINAE  
 Genus 48 : *Botia* Gray

*Botia* Gray, *Zool. Misc.*, **8**, 1831 (Type, *Botia almorhae* Gray).

206. *Botia almorhae* Gray

*Botia almorhae* Gray, *Zool. Misc.*, **8**, 1831 (Type-locality : Almorha). Gunther, *Cat. Fish. Brit. Mus.*, **7** : 367, 1868 (India). Day, *J. Asiat. Soc., Beng.*, **41**(2) : 178, 1872. Day (in part), *Fish. India.*, **607**, pl. 154, fig. 5, 1878 (Almorha. Kashmir and Khasi hills excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 217, 1889 (Almora. Kashmir and Khasi hills excluded). Hora, *Rec. Indian Mus.*, **24** : 320-321, 1922 (Almora Gandak river at Sarna, Bihar, revision). Menon, *J. Bombay nat. Hist. Soc.*, **48**(2) : 539, 542, 1949 (R. Kosi in Almorha). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 50, 1974. Singh and Dobriyal, *Proc. Nat. Acad. Sci. India.*, **57B**(4) : 538-539, 1937 (River Alaknanda, Garhwal Himalaya). Menon, *Faun. India Pisces* **4**(2) : 32, pl. I figs. 1-5, pl. II, figs. 1-8; pl. IX fig 6, 1992.

*Botia grandis* Gray, *Ill. Ind. zool.*, pl. 94, fig. 3, 1838. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 86, 1846. Bleeker, *Atl. Ichth.*, **70**, 1863.

*Botia rostrata* Gunther, *Cat. Fish Brit. Mus.*, **7** : 367, 1868 (Type-locality : Bengal). Menon, *Inland Fish. Soc. India. Spl. Publ.* No. 1 : 52, 1974.

*Botia geto* Day (*nec* Hamilton), (in part), *Fish. India.*, **606**, pl. 154, fig. 2, 1878 (From Sind, through the Punjab Himalaya, Valley of Ganges, Jumna, Sone river. Sind, Punjab and Assam excluded). Day (*nec* Hamilton), (in part), *Faun. Brit. Ind. Fish.*, **1** : 216 fig. 77, 1889 (from Sind, through the Punjab Himalayas, Valley of the Ganges, Jamuna and Sone rivers. Sind, Punjab and Assam excluded).

*Botia lohachata* Chaudhuri, *Rec. Indian Mus.*, **7** : 441, pl. 40, fig. 2, 2a, 2b, 1912 (Type-locality Gandak river at Saran, Bihar). Shina and Shiromani, *Rec. Indian Mus.*, **51** : 62, 1953 (Kali river, Meerut). Mahajan, *J. Bombay nat. Hist. Soc.*, **62**(3) : 448, 1966 (Kali river, Muzaffar Nagar Dist., U.P.). Srivastava, *Fish. East. U.P.*, **60** : 61, 1967 (Gorakhpur Rohini river, at Domingarh, Choti Gandak at Banjar Ghat). Sharma and Kulshreshtra, *J. zool. Soc. India*, **3**(1-2) : 65, 1981 (Kota Dist., Rajasthan). Husaain and Tilak, *Rec. zool. Surv. India*, **81**(3-4) : 274, 1984 (Faizabad Dist., U.P.) Sharma and Rajput, *J. Bombay nat. Hist. Soc.* **83** (3) : 565, 1986 (Bijnour district, U.P.).

*Botia dayi*, Hora, *Rec. Indian Mus.*, **34**(4) : 571, 1932 (Type-locality : Mahananda River at the base of Darjeeling Himalayas; also the original of Day's figure of *B. dayi*). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **8** : 66, 1937 (Mahananda River, Darjeeling).

*Distribution* : Eastern Himalayas : Tista at Darjeeling through Nepal to as far as Yamuna at Delhi; Rajasthan : Chambal drainage; U.P. : Sone drainage. The young are common in lower reaches and adults appear to migrate to higher elevations in the Himalayas reaching as north as Katmandu in Nepal, Almorha in Kumaon and Srinagar in Garhwal Himalayas.

*Habitat* : Clear mountain streams.

*Size* : 14.8 cm SL.

*Status* : Vulnerable.

#### 207. *Botia berdmorei* (Blyth)

*Syncrossus berdmorei* Blyth, *J. Asiat. Soc. Beng.*, **29** : 166, 1860 (Type-locality : Tenasserim). Day, *Proc. zool. Soc. Lond.*, p. 549, 1869. Day, *Fish. India*, p. 607, pl. 154, fig. 3, 1878 (Irrawaddy river; also Tenasserim). Day, *Faun. Brit. Ind. Fish.*, **1** : 217, 1889. Vinciguerra, *Ann. Mus. Nat. Genova*, **29**, p. 345, 1889. Hora, *Rec. Indian Mus.*, **22** : 195, 1921 (Manipur). Menon, *Zool Soc. India*, **14**(1) : 28, 1962 (Chindwin drainage). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 50, 1974. Menon, *Faun. India, Pisces* **4** (2) : 46, pl. III, fig. 6; pl. IX, fig. 5, 1992.

*Botia hymenophysa*, Hora (in part), *Rec. Indian Mus.*, **24** : 317, 1922 (Revision).

*Distribution* : India : Manipur. Burma.

*Habitat* : Clear mountain streams.

*Size* : 11.0 cm SL.

#### 208. *Botia birdi* Chaudhuri

*Botia geto* Day (*nec* Hamilton) (in part), *Fish. India*, **606**, 1878 (Sind and Punjab). Day (*nec* Hamilton), (in part), *Faun. Brit. Ind. Fish.*, **1** : 216, 1887 (Sind and Punjab). Johal and Tandon, (*nec* Hamilton; *nec* Day), *Pb. Fish. Bull.*, **4**, No. 1 : 29, 1980 (Sangur).

*Botia birdi* Chaudhuri, *Rec. Indian Mus.*, **3** : 399, 1909 (Type-locality : Sirhind canal Punjab). Hora, *Rec. Indian Mus.*, **24** : 319, 1922 (Sind, Kashmir Valley and Punjab). Tandon and Johal, *Res. Bull. Punjab Univ.*, **23** : 46, 1972. Tandon and Gupta, *J. zool. soc. India*, **27**(1 and 2) : 20, fig. 14, 1975 (Ferozepore). Mirza, *Proc. 1st Pakistan Congr. zool.*, p. 20, 1980 (Pakistan : NWFP). Johal

and Tandon, *Pb. Fish. Bull.*, **4**, No. 1 : 29, fig. 53, 1980 (Ropar, Ferozepur and Machiwarra). Menon, *Faun. India Pisces*, **4**(2) : 36, pl. III, figs. 1-3; pl. VII, figs. 5 & 6; pl. IX, figs. 1 & 2, 1992.

*Botia lohachata*, Ahmed (*nec* Chaudhuri), *Punjab Univ. Dept. zool. Bull.*, **1** : 303, 1943 (Lahore). Mirza (*nec* Chaudhuri), *Proc. 1st, Pakistan Congr. zool.*, p. 20, 1980 (Punjab, Sind and Baluchistan). Johal and Tandon (*nec* Chaudhuri), *Pb. Fish. Bull.*, **4**, No. 1 : 30, 1980 (Dasuya, Devigarh, Ropar and Ferozepur).

*Botia rostrata*, Mirza (*nec* Gunther), *Proc. 1st Pakistan Congr. zool.*, p. 20, 1980 (Punjab, Sind, and Baluchistan).

*Distribution* : India : Jammu and Kashmir : Kashmir Valley; Himachal Pradesh. Pakistan : NWFP., Sind and Baluchistan.

*Habitat* : Clear mountain streams.

*Size* : 11.3 cm SL.

#### 209. *Botia dario* (Hamilton)

*Cobitis dario* Hamilton, *Fish. Ganges*, pp. 354, 394, pl. 29, fig. 95, 1822 (Type-locality : rivers of Bengal). McClelland, *Asiat. Res.*, **19** : 306, 444, pl. 61, fig. 8, 1839 (from Hamilton's Ms. drawings). Bleeker, *Verh. Bat. Gen.*, **25** : 143, 1856.

*Cobitis geto* Hamilton, *Fish. Ganges.*, pp. 355, 394, pl. 11, fig. 96, 1822 (Young). McClelland, *Asiat. Res.* **19** : 306, 444, pl. 61, fig. 9, 1839 (from Hamilton Ms. drawings). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 81, 1846.

*Diacanthus flavicauda* Swainson, *Nat. Hist. Fish.*, **2** : 310, 1839.

*Diacanthus zebra* Swainson, *Nat. Hist. Fish.*, **2** : 310, 1839.

*Botia dario*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 366, 1868 (Bengal and Assam). Day, *J. Asiat. Soc. Beng.*, **41**(2) : 177, 1872. Day, *Fish. India*, p. 606, pl. 154, fig. 1, 1878 (Bengal, Assam, Cachar. N.W Provinces excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 216, 1889. Hora, *Rec. Indian Mus.*, **24** : 310, 1922. Hora, *Rec. Indian Mus.*, **34** : 573, 1932. Shaw and Shebbeare, *J. Asiat. Soc. beng.*, **3** (3) 65, 1937 (Singhimai streams and Chel river in Western Duars, N. Bengal). Hora, *Rec. Indian Mus.*, **40** : 176, 1937 (Rajmahal Hills, Santal Parganas, Bihar). Banarescu and Nalbant, *Mitt. Hamburg. zool. Mus. Inst.*, **65** : 341 fig. 12, 1968 (Kaziranga, Mikir Hills, Assam, Brahmaputra R. at Palasbari, Assam). Srivastava, *Fish. East U.P.*, p. 58, 1968 (Maheshra Tal., Rohini River, Gorakhpur). Menon, *Faun. India Pisces*, **4** (2) 39, pl. III, fig. 7, pl. IX, fig. 4, 1992.

*Distribution* : India : Assam, North Bengal, Rajmahal hills in South Bihar.

*Habitat* : Clear mountain streams.

*Size* : 10.8 cm SL.

#### 210. *Botia histrionica* Blyth

*Botia histrionica* Blyth, *J. Asiat. Soc. Beng.*, **29** : 166, 1860 (Type-locality : Tenasserim). Day, *Proc. zool. soc. Lond.*, p. 550, 1869. Day, *J. Asiat. Soc. Beng.*, **41** (2) : 179, 1872. Day, *Fish. India*, **607**, pl. 154, fig. 4, 1878 (Burma). Day, *Faun. Brit. Ind. Fish.*, **1** : 218, 1889. Vinciguerra, *Ann. Mus., Civ. Nat. Genova*, p. 346, 1889. Hora, *Rec. Indian Mus.*, **22** : 195, 1921 (Manipur). Hora, *Rec. Indian Mus.*, **22** : 320, 1922 (Revision). Rendahl, *Ark. zool.*, **40A(2)** : 60, fig. 28, 1948 (Burma, Rangoon, Mandalay, Shweli Kyaungsudl.. Myitkyina). Menon, *Zool. Soc. India*, **14** (1) : 28, 1962 (Chindwin drainage). Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 50, 1974. Menon, *Faun. India Pisces* **4(2)**:41, pl. III, fig. 4, Pl. IX, fig. 3, 1992.

*Distribution* : India : Manipur. Burma (Irrawaddy drainage).

*Habitat* : Clear mountain streams.

*Size* : 11.7 cm SL.

#### 211. *Botia macrolineata* Teugeles De Hos and Snoeks

*Botia macrolineata* Teugeles De Hos and Snoeks, *Cybium*, 1986 (Type-locality : off Bombay territory).

*Distribution* : India : Deccan.

*Habitat* : Clear hill streams.

*Size* : 6.0 cm SL.

#### 212. *Botia striata* Rao

*Botia striata* Rao, *Ann. Mag. nat. Hist.*, **6(9)** : 60, Pl. 2, fig. 4, 4a, 4b, 1920 (Type-locality : River Thunga in Mysore State). Hora, *Rec. Indian Mus.*, **24** : 319, 1922 (Revision). Kulkarni, *Curr. Sci.*, **20** : 335, 1951 (Kolhapur). Menon, *Faun. India Pisces* : **4(2)** : 44, pl. III, fig. 5, 1992.

*Botia striata kolhapurensis* Kelkar, *J. Bombay nat. Hist. Soc.*, **53** : 669, 1958.

*Distribution* : Peninsular India : Western Ghats : Karnataka (Thungabhadra river at Shimoga); Maharashtra : Satara and Kolhapur (Krishna drainage).

*Habitat* : Clear mountain streams.

Size : 7.8 cm SL.

Status : Rare.

Subfamily : COBITINAE

Genus 49 : *Lepidocephalus* Bleeker

*Lepidocephalus* Bleeker, *Nat. Tij. Ned.* **16** : 303, 1858 (Type, *Cobitis macrochir* Bleeker).

*Lepidocephalichthys* Bleeker, *Versl. K. Akad. Wet. Amst.*, **15** : 38, 42, 1863 (Type, *Cobitis hasselti* Valenciennes).

*Platacanthus* Day, *Proc. zool. soc. Lond.*, p. 296, 1865 (Type, *Platacanthus agrensensis* Day).

213. *Lepidocephalus annandalei* (Chaudhuri)

*Lepidocephalichthys annandalei* Chaudhuri, *Rec. Indian Mus.*, **7** : 442, pl. 49, fig. 3, 3a, 3b, 1912. (Type-locality : Mahananda river at Siliguri and Tista river, near Jalpaiguri, W Bengal). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 67, 1937 (Panchenai River, near Matighaya, N. Bengal).

*Lepidocephalus guntea*, Menon (in part), *Inland Fish. Soc. India Spl. Publ.*, No. 1 53, 1974.

*Lepidocephalus annandalei*, Tilak and Hussain, *Newsl. zool. Sur. India*, **3**(6) : 408, 1977 (Sailani river, Dist. Saharanpur; Kalapani stream, Rishikesh Dist. Dehradun; streams in Dist. Lakhimpur, U.P.).

*Lepidocephalus (Lepidocephalichthys) annandalei*, Tilak and Hussain, *Rec. zool. Surv. India Occ. Pap.*, No. **32** : 16, Figs. 10-14, 1981 (Northern India).

*Lepidocephalus annandalei*, Menon, *Faun. India Pisces*, **4** (2) : 72, pl. VI, fig. 3, 1992.

**Distribution** : West Bengal : Mahananda and Tista drainages along the base of North Bengal; Uttar Pradesh Saharanpur and Dehra Dun in the Gangetic plains.

**Habitat** : Clear, swift streams with sandy bottom.

Size : 4.1 cm SL.

214. *Lepidocephalus berdmorei* (Blyth)

*Acanthopsis berdmorei* Blyth, *J. Asiat. Soc. Beng.*, **29** : 168, 1860 (Type-locality Moulmein Tenasserim Province, Burma).

*Cobitis berdmorei*, Day, *Proc. zool. soc. Lond.*, p. 550, 1869 (Pegu).

*Lepidocephalichthys berdmorei*, Vinciguerra, *Ann. Mus. Genova*, **9**(2) : 341, 1890 (Mandalay; Meetan, Tenasserim). Boulenger, *Ann. Mag. Nat. Hist.*, **12**(6) :

198, 1893 (Taunggyi, S. Shan State). Annandale, *Rec. Indian Mus.*, **14** : 43, 1918 (Inle Lake, S. Shan State). Prasad and Mukerji, *Rec. Indian Mus.*, **31** : 191, 1929 (Myitkyina and Indawgyi Lake). Hora, *Rec. Indian Mus.*, **33** : 2, 1931 (Rangoon). Hora and Mukerji, *Rec. Indian Mus.*, **36** : 123 and 353, 1934 (Repin and Gaunphpo, S. Shan State, Nawng Kyawk tank and Nam Me Hsai stream, Kengtmy State).

*Lepidocephalus berdmorei*, Hora, *Rec. Indian Mus.*, **22** : 196, 1921 (Manipur). Suvatti, *Index Fish. Siam*, p. 60, 1936 (Mekong). Koumans, *zool Meded.*, **30** : 63, 1937 (Takuapa, West Peninsular Thailand). Smith, *Bull. U.S. Nat. Mus.*, **188** : 295, 1945 (Peninsular and Northern Thailand). Suvatti, *Faun. Thailand*, p. 215, 1950. Menon, *Faun. India Pisces*, **4** (2) : 76, pl. Vi, fig. 2, pl. Viii, fig. 6. 1992.

*Lepidocephalus octocirrhus*, Smith (*nec* van Hasselt), *Bull. U.S. Nat. Mus.*, **188** : 294, 1945 (Burma. Java, Sumatra excluded).

*Lepidocephalus guntea birmanicus* Rendhal, *Ark., f. Zool.*, **40A**, No. 7 : 64, figs. 30, 34, 1948 (Burma: Myitkyina. Shaweli Kyaung, Maymyo, Taunggyi, Inle Lake, Yado, Karennigebirge, Mekane, Kawkareik, Meetan).

*Lepidocephalus (Lepidocephalichthys) berdmorei*, Tilak, *Rec. Zool. Surv. India Occ. Pap.*, No. 32 : 14, figs. 7 (Figure of Holotype), 8 and 9 (Figure of Day's pl. 153, fig. 3), 1981.

*Distribution* : India : Manipur. Burma. Thailand.

*Habitat* : Clear, swift streams and lakes with sandy bottom.

*Size* : 8.0 cm SL.

#### 215. *Lepidocephalus coromandalensis* Menon

*Lepidocephalus coromandelensis* Menon, *Faun. India Pisces*, **4**(2) : 67, pl. IV, fig. 7; pl. VI, fig. 7; Figs. 2 G.H.& 4, 1992.

*Distribution* : Andhra Pradesh : Araku Valley.

*Habitat* : Clear streams with sandy bottom.

*Size* : 5.7 cm SL.

#### 216. *Lepidocephalus guntea* (Hamilton)

*Cobitis guntea* Hamilton, *Fish. Ganges*, pp. 353, 394, 1822 (Type-locality : Ponds and rivers of Bengal). McClelland, *Asiat. Res.* **19**(2) : 303, 434, Pl. 51, fig. 3, 1839 (Assam). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 67, 1846. Bleeker, *Verh. Bat. Gen.*, **25** : 70, 1853 (Bengal). Gunther, *Cat. Fish. Brit.*

- Mus.*, 7 : 363, 1868 (Assam, Bengal). Day, *Proc. Zool. Soc. Lond.*, p. 383, 1869 (Orissa). Beaven, *HBFW Fish. India*, pp. 111, 217, 1877 (India generally).
- Cobitis balgara* Hamilton, *Fish. Ganges*, 394, 1822 (Type-locality : Kosi river). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 18 : 70, 1846.
- Schistura balgara*, McClelland, *Asiat. Res.*, 19(2) : 307, pl. 53, fig. 2, 1839 (From Hamiltons Ms. drawings). McClelland, *Asiat. Res.*, 19 : 307, 1839 (Assam).
- Lepidocephalichthys balgara* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 365, 1868 (Kosi river, Assam). Beaven, *HBFW Fish. India*, pp. 112, 217, 1877 (India generally).
- Lepidocephalichthys guntea* var. *balgara*, Day, *Fish. India*, 609, pl. 151, fig. 12, 1878 (Orissa). Day, *Faun. Brit. Ind. Fish.*, 1 : 221, 1889.
- Cobitis phoxochelia* McClelland, *Asiat. Res.*, 19 (2) : 305, 439, pl. 52, fig. 4, 1839 (Type-locality : Mishmee mountains). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 17 : 79, 1844.
- Schistura aculeata* Bleeker, *Verh. Bat. Gen.*, 25 : 70, 1853. McClelland, *Asiat. Res.*, 19 (2) : 307, 1839.
- Canthophrys olivaceous* Swainson, *Nat. Hist. Fish.*, 2 : 310, 1839.
- Canthophrys vittatus* Swainson, *Nat. Hist. Fish.*, 2 : 310, 1839.
- Cobitis maya* Sykes, *Trans. Zool. Soc. Lond.*, 2 : 367, 1841.
- Misgurnus lateralis*, Gunther, *Cat. Fish. Brit. Mus.*, 7, 346, 1868 (Bengal). Beaven, *HBFW Fish. India*, pp. 106, 216, 1877 (Bengal).
- Lepidocephalichthys guntea*, Day, *Fish. India*, 609, pl. 155, fig. 4, 1878 (Punjab, India except Mysore and South of Krishna also Malabar coast). Day, *Faun. Brit. Ind. Fish.* 1 : 220, 1889 (Punjab, India except Mysore & South of Krishna also Malabar coast). Fowler, *Proc. Acad. Nat. Sci. Philad.*, 76 : 73, 1924 (Jamuna river, tributary of Ganges river at Dehra Dun, Sutlej river at Loodianali; near Umballa). Hora and Mukerji, *Rec. Indian Mus.*, 38 (2) : 137, 1936 (Song river, Eastern Doons). Hora, *Rec. Indian Mus.*, 39(4) : 339, 1937 (Kumaon Himalayas). Menon, *Rec. Indian Mus.*, 47(2) : 229, 234, 1950 (Punjab and Nepal). Lal and Chatterjee, *J. Zool. Soc. India*, 14 (2) : 236, 240, 241, 1963 (Eastern Doons). Mahajan, *J. Bombay nat. Hist. Soc.*, 62(3) : 448, 1966 (Muzaffarnagar Dist.). Srivastava, *Fish. East. U.P.*, 62, 1968 (Gorakhpur). Pillay and Yazdani, *Rec. Zool. Surv. India*, 72 : 5, 1977 (Meghalaya).
- Lepidocephalus guntea*, Hora and Gupta, *Asiat. Soc. Beng.*, 6 : 79, 1941 (Kalimpong Duars and Siliguri Terai, Northern Bengal). Hora, *J. Zool. Soc. India*, 1(1) : 1, 1949 (Rihand river, Dist. Mirzapur, U.P.). Motwani and David, *J. Zool.*

*Soc. India*, 9(1) : 11, 1957 (River Sone). De Witt *Stanford Ichthyol. Bull.*, 7(4) : 77, 84, 1960 (Nepal). Banareescu and Nalbant, *Mitt. Hamburg. Zool. Mus., Inst.*, 65 : 343 p. 2, fig. 17-20, 1968 (Brahmaputra, Ganges and Narmada drainages. Mahabaleswar excluded). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 53 : 1974. Mirza, *Biologia*, 22 (1) : 116, 1976 (Pakistan). Yazdani, *J. Bombay nat. Hist. Soc.*, 74(1) : 21, 1977 (Meghalaya). Mirza, *Proc. 1st Pakistan Congr.*, P. 24, : 1980 (NWFP). Menon, *Faun. India Pisces*, 4 (2) : 54, pl. IV, figs. 1-6; pl. VIII; figs. 1 & 2, 1992.

*Lepidocephalus (Lepidocephalichthys) guntea*, Tilak and Hussain, *Rec. Zool. Surv. India Occ. Pap.*, No. 32, 7 : Figs. 1-4, 20, 21 (North India, Bangladesh, Nepal, Pakistan).

*Lepidocephalus birmanicus* Banareescu and Nalbant, (*nec* Rendhal, in part), *Mitt. Hamburg. Zool. Mus. Inst.*, 65 : 345, Pl. 2, fig. 21, 1968 (Verei R. at Nichangara, Terai, Ganges drainage. Mainpur excluded).

*Lepidocephalus guntea balgara*, Sehgal, Shukla and Shah, *J. Inland Fish. Soc. India*, 3 : 67, 1971 (Kangra valley).

*Lepidocephalus berdmorei* (*nec*, Blyth), Mathur and Mishra, *Newsl. Zool. Surv. India*, 2(4) : 157, 1976.

*Lepidocephalus annandalei* (*nec* Chaudhuri), Pillai and Yazdani, *J. Zool. Soc. India*, 26 (1 - 2) : 12, 1976 (Garo hills, Meghalaya).

*Lepidocephalichthys annandalei* (*nec* Chaudhuri), Pillai and Yazdani, *Rec. Zool. Surv. India*, 72(1-4) : 13, 1977 (Garo hills, Meghalaya).

*Lepidocephalus dibruensis* Sen, *Bull. Zool. Surv. India*, 2(1) : 35, 1979 (Type-locality : Dibru river, Guijan, 60 km from Dibrugarh, Assam).

*Lepidocephalichthys nepalensis* Shrestha, *Fish. Nepal*, 129, 1981 (Type-locality : Singhia river, Biratnagar).

**Distribution** : India : Brahmaputra, Ganges and Indus drainages along the Himalayas, and the drainage along the Satpura-Vindhya. Bangladesh, Nepal and Pakistan.

**Habitat** : Shallow clear streams with sandy bottom.

**Size** : 7.9 cm SL.

### 217. *Lepidocephalus irrorata* (Hora)

*Lepidocephalichthys irrorata* Hora, *Rec. Indian Mus.*, 22 : 196, Pl. 9, Figs. 5, 5a, 6, 1921 (Type-locality : Loktak Lake, Manipur)

*Lepidocephalus irrorata*, Banareescu and Nalbant, *Mitt. Hamburg. Zool. Mus. Inst.*, 65

: 348, 1968 (Kaziranga, Mikir Hills, Assam). Tilak and Hussain, *Rec. Zool. Surv. India, Occ. Pap.*, No. 32 : 27, Figs. 19, 21F, 1981 (Assam, Manipur). Menon, *Faun, India Pisces*, 4 (2) : 82, Pl. VII, fig. 1, 1992.

*Distribution* : India : Manipur and Assam.

*Habitat* : Slow moving and standing waters with sandy bottom.

*Size* : 3.7 cm SL.

218. *Lepidocephalus menoni* (Pillai and Yazdani)

*Lepidocephalus berdmorei* (nec Blyth), Banarescu and Nalbant *Mitt. Hamburg. Zool. Mus. Inst.*, 65 : 347, 348, Pl. 11, fig. 23, 1968 (Janali river at Raimora, Assam and Kaziranga, Mikir hills, Assam).

*Lepidocephalichthys menoni* Pillai and Yazdani, *J. Zool. Soc. India*, 26 (1-2) : 13, fig. 2, 1976 (Type-locality : Someswari river at Bagmara, Garo Hills, Meghalaya; description based on juvenile specimens).

*Lepidocephalus annandalei* (nec Chaudhuri), Yazdani, *J. Bombay nat. Hist. Soc.*, 73 (3) : 535, 1976 (Kazhiranga Wild-life sanctuary, Assam).

*Lepidocephalichthys goalparensis* Pillai and Yazdani, *J. Zool. Soc. India*, 26 (1-2) : 15, Fig. 2, 1976 (Type-locality : Dudhnoi, Goalpara, Assam).

*Lepidocephalus caudofurcatus* Tilak and Hussain, *Matsya*, 3 : 60, figs. 1-3, 1978 (Type-locality : Kalapani nala, Rishikesh, Dist. Dehra Dun; Sailani river, Beharigarh, Dist. Saharanpur and Gangan river near Moradabad, Dist. Moradabad, U.P.).

*Lepidocephalus* (*Lepidocephalichtys*) *caudofurcatus*, Tilak and Hussain, *Rec. Zool. Surv. India Occ. Pap.*, No.32 : 24, Figs. 10B, C, 14C, D, 16-18, 20D, 21D, 1981 (Northern India).

*Lepidocephalus* (*Lepidocephalichtys*) *goalparensis*, Tilak and Hussain, *Rec. Zool. Surv. India Occ. Pap.*, No. 32 : 21, figs. 15, 21E, 1981 (Assam, India).

*Lepidocephalus menoni*, Menon, *Faun. India Pisces*, 4 (2) : 69, Pl. VI, figs. 6-7, 1992.

*Distribution* : Along the base of Eastern Himalayas westwards in the Gangetic system as far as Dehra Dun and Saharanpur, U.P., and also Garo and Jaintia Hill, Meghalaya.

*Habitat* : Clear streams with sandy bottom.

*Size* : 5.2 cm SL.

### 219. *Lepidocephalus thermalis* (Valenciennes)

*Cobitis thermalis* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 78 : 1846 (Type-locality : Hot Springs of Kanniya, E.P., Sri Lanka).

*Cobitis carnaticus* Jerdon, *Madras J. Lit. Sci.*, **15** : 331, 1849.

*Cobitis mysorensis* Jerdon, *Madras J. Lit. Sci.* **15** : 333, 1849.

*Cobitis rubripinnis* Jerdon, *Madras J. Lit. Sci.*, **15** : 333, 1849.

*Cobitis thermalis*, Bleeker, *verh. Bat. Gen.*, **25** : 70, 1853.

*Lepidocephalichthys thermalis* Bleeker, *Verh. Holland. Maatch. Haarlem, Cypri. et Cobit. Ceylon*, p. 6, tab. 1, fig. 1, 1864. Day, *Proc. Zool. Soc. Lond.*, **383**, 1869. Day *Fish. India*, 610, Pl. 155, fig. 3, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 221, 1889 (South India, Malabar Coast, Wynaad and Ceylon). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 139, 1991 (throughout the island upto 600m).

*Platacanthus agrensis* Day, *Proc. Zool. Soc. Lond.*, p. 269, 1865 (Type-locality : Trichur). Day, *Fish. Malabar*, 204, Pl. 14, fig. 1, 1865.

*Lepidocephalus thermalis*, Deraniyagala, *Coloured Atlas Vert. Ceylon*, **47**, 1952 (Common in Ceylon and found upto Kandy). Mendis and Fernando, *Bull. Fish. Res. Stn. Ceylon*, **12** : 107, Fig. 12, 1962. Banarescu and Nalbant, *Mitt. Hamburg. Zool. Mus. Inst.*, **25** : 346, 1968 (Poona, N. Canara and Nilgiris). Menon, *Faun. India Pisces*, **4** (2) : 60, Pl. V figs. 1-8; Pl. VIII, figs. 3-5, 1992.

*Lepidocephalus (Lepidocephalichthys) thermalis*, Tilak and Hussain, *Rec. Zool. Surv. Occ. Pap.*, No. 32 : 12, figs. 5, 6, 1981 (Revision).

**Distribution** : Peninsular India and Sri Lanka.

**Habitat** : Clear slow streams with sandy bottom.

**Size** : 5.8 cm SL.

### Genus 50 : *Enobarbichthys* Whitley

*Jerdonia* Day, *Proc. zool. Soc. Lond.*, p. 700, 1870 (Type, *Platacanthus maculatus* Day, preoccupied in Mollusca and Aves).

*Enobarbichthys* Whitley, *Rec. Aust. Mus. Sydney*, **18** : 107, 1931 (Substitute name for *Jerdonia* Day).

*Madrassia* Nalbant. *Trav. Mus. Hist. Inst.* **4** : 360, 1963 (Replacement name for *Jerdonia* Day preoccupied).

*Enobarbichthys*. Banarescu and Nalbant. *Mitt. Hamburg Zool. Mus. Inst.*, **65** : 343 (Review).

220. *Enobarbichthys maculatus* (Day)

*Platacanthus maculatus* Day, *Proc. Zool. Soc. Lond.*, 914, 1867, (Type-locality : Madras, India).

*Jerdonia maculata* Day, *Proc. Zool. Soc. Lond.*, p. 700, 1870 (New genus proposed to accommodate *P. maculatus* Day). Day, *J. Asiat. Soc. Beng.*, 42 (2) : 179, 1872 (Description). Beaven, *HBFW Fish. India*, 113, 1877 (Diagnosis after Day). Day, *Fish. India*, p.611. Pl. 154, fig. 6, 1878. Day, *Faun. Brit. Ind. Fish.* 1 : 223, fig. 82, 1889.

*Enobarbichthys maculatus*, Whitely, *Rec. Aust. Mus.*, 18 : 107, 1931 (Nomenclatorial change). Silas, *Mar. Biol. Ass. India*, 2 (1) : 89, 1960 (Redescription). Menon, *Faun. India Pisces*, 4 (2) : 85, Pl. X, 1992.

*Distribution* : Tamil Nadu : Madras.

*Habitat* : Clear streams with sandy bottom.

*Size* : 4.5 cm TL.

*Status* : Extinct

Genus 51 : *Pangio* Blyth

*Pangio* Blyth, *J. Asiat. Soc. Beng.*, 29 : 169, 1860 (Type, *Cobitis cinnamomea* McClelland = *C. pangia* Hamilton, Kottelat, *Jap. J. Ichthyol.*, 33 (4) : 371, 1987 (Status discussed).

*Apua* Blyth, *J. Asiat. Soc. Beng.*, 29 : 169, 1860 (Type, *Apua fusca* Blyth); Kottelat, *Jap. J. Ichthyol.*, 33 (4) : 371, 1987 (Status discussed).

*Acanthopthalmus* (*nec* van Hasselt) Tilak, *J. Inland Fish. Soc. India*, 4 : 61-65, 1973; Kottelat, *Jap. J. Ichthyol.*, 33 (4) : 371, 1987 (Status discussed).

221. *Pangio goaensis* (Tilak)

*Acanthopthalmus goaensis* Tilak, *J. Inl. Fish. Soc. India*, 4 : 61 1972 (Type-locality Colem river, Goa). Menon, *Faun. India Pisces*, 4 (2) 91, Fig. 9A-C, 1992; Rema Devi, Emiliyamma and Lal Mohan, *J. South Asian nat. Hist.*, 1996 ((In press) (Kerala Chaliyar).

*Distribution* : Goa Colem river. Kerala Chaliyar.

*Habitat* : Shallow slow-moving waters with sandy bottom.

*Size* : 3.1 cm SL.

*Status* : Rare.

222. *Pangio longipinnis* (Menon)

*Acanthopthalmus longipinnis* Menon, *Faun. India Pisces*, 4 (2) : 93, fig. 10A-C, 1992  
(Khrungpat Lake, 20km south of Imphal, Manipur).

*Distribution* : Manipur.

*Habitat* : Standing water with sandy bed.

*Size* : 6.2 cm SL.

*Status* : Rare.

223. *Pangio pangio* (Hamilton)

*Cobitis pangia* Hamilton, *Fish. Ganges*, pp. 355, 394, 1822 (Type-locality : North eastern parts of Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 18 : 75, 1846. Bleeker, *Verh. Bat. Gen.*, 25 : 70, 1853.

*Cobitis cinnamomea* McClelland, *Asiat. Res.*, pp. 304, 435, Pl. 51, fig. 5, 1839.

*Canthophrys rubiginosus* Swainson, *Nat. Hist. Fish.*, 2 : 310, 1839.

*Pangia cinnamomea*, Blyth, *Proc. Asiat. Soc. Beng.*, 169, 1860.

*Apua fusca* Blyth, *J. Asiat. Soc. Beng.*, 29 : 169, 1860, (Type-locality : Tenasserim). Gunther, *Cat. Fish. Brit. Mus.*, 7 : 371, 1868. Day, *Proc. Zool. Soc. Lond.*, 349, 1869. Day, *Fish India*, 611, Pl. 155, fig. 5, 1878. Day, *Faun. Brit. Ind. Fish*, 1 : 228, 1889.

*Acanthopthalmus pangia*, Gunther (in part), *Cat. Fish. Brit. Mus.*, 7 : 370, 1868 (Bengal. Java and Sumatra excluded). Day, *Fish. India*, P. 610, Pl. 155, fig. 5, 1878. Day, *Faun. Brit. India Fish.*, 1 : 222, 1889. Weber and de Beaufort (in part), *Fish Indo. Austral. Arch.*, 3 : 31, 1916 (Burma and East Bengal. Sumatra and Java excluded). Hora, *Rec. Indian Mus.*, 22 : 197, 1921 (Manipur). Shaw and Shebbeare, *J. Asiat. soc. Beng.*, 3 : 65, fig. 61, 1937 (Sivoke, N. Bengal). Menon, *Inland Fish. Soc. India Spl Publ.*, No. 1, 50, 1974. Menon, *Faun. India Pisces*, 4(2) : 87, Pl. VII, fig. 2, 1992.

*Distribution* : India : North Bengal, Assam, Manipur. Bangladesh. Burma.

*Habitat* : Shallow slow moving rivers with sandy bottom.

*Size* : 5.9 cm SL.

Genus 52 : *Neoeucirrhichthys* Banareescu and Nalbant

*Neoeucirrhichthys* Banareescu and Nalbant, *Mitt. Hamburg. Zool. Mus. Inst.*, 65 : P. 349 (Type, *Neoeucirrhichthys maydelli*, monotypic).

224. *Neoeucirrhichthys maydelli* Banarescu and Nalbant

*Neoeucirrhichthys maydelli* Banarescu and Nalbant, *Mitt. Hamburg. Zool. Mus. Inst.*, **65** : 349, 1968. (Type-locality : Raimona, Goalpara Dist., Assam). Menon, *Faun. India Pisces*, **4** (2) : 96, Fig. 11 A-E, 1992.

*Distribution* : Assam : Goalpara District : Raimora.

*Habitat* : Shallow slow moving streams with sandy bottom.

*Size* : 3.6 cm SL.

*Status* : Rare.

Genus 53 : *Somileptes* Swainson

*Somileptes* Swainson, *Nat. Hist. Fish.*, **2** : 311, 1839, (Type, *Somileptes bispinosa* Swainson = *Cobitis gongota* Hamilton)

225. *Somileptes gongota* (Hamilton)

*Cobitis gongota* Hamilton, *Fish. Ganges*, pp. 351, 394, 1822 (Type-locality : rivers of northern Bengal, towards the mountains). Bleeker, *Verh. Bat. Gen.*, **25** : 70, 1853. Gunther, *Cat. Fish Brit. Mus.*, **7** : 368, 1868.

*Cobitis cucura* Hamilton, *Fish. Ganges*, pp. 352, 394, 1822 (Type-locality : R. Kosi). McClelland, *Asiat. Res.* **19** : 303, 434, pl. 51, fig. 2, 1839 (From Hamiltons MS. drawings). Bleeker, *Verh. Bat. Gen.*, **25** : 73, 1853.

*Canthophrys albescens* Swainson, *Nat. Hist. Fish.*, **2** : 310, 1839.

*Somileptes bispinosa* Swainson, *Nat. Hist. Fish.*, **2** : 311, 1839.

*Cobitis oculata* McClelland, *Asiat. Res.*, **19** : 303, 433, fig. 1, 1839.

*Cobitis amnicola* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 70, 1846.

*Somileptes gongota*, Bleeker, *Ill. Ich. Cypr.*, **3** : 3, 1868. Day *Fish. India*, 608, pl. 155, fig. 2, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 219, Fig. 79, 1889. Mukerji, *Rec. Indian Mus.*, **34** : 125, pl. 15, figs. 1-4, 1932. Shaw and Shebbeare, *J. Asiat. soc. Beng.*, **3** : 76, text. fig. 75, 1937 (Gravelly and muddy streams of Terai and Duars N. Bengal). Srivastava, *Fish. East U.P.*, p. 63, 1968 (Sandy streams and rivers of terai of Uttar Pradesh to Assam). Banarescu and Nalbant, *Mitt. hamburg. Zool. Mus. Inst.*, **65** : 343, 1968. Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 56, 1974. Menon, *J. Zool. Soc. India*, 1985 (distribution). Menon, *Faun. India Pisces*, **4**(2) 99. pl. Vi. fig. 9, 1992.

*Distribution* : India Assam and Meghalaya to Uttar Pradesh along the base of Eastern Himalayas.

*Habitat* : Shallow slow-moving streams with sandy, muddy or gravelly bottom.

*Size* : 9.3 cm SL.

Family 6 : BALITORIDAE  
 Subfamily : NOEMACHEILINAE  
 Genus 54 : *Noemacheilus*\* Kuhl and van Hasselt

*Noemacheilus* Kuhl et van Hasselt, *Alg. Konst Letter-Bode*, 2 (35) : 133, 1823 (Type, *Noemacheilus fasciatus* Kuhl et van Hasselt). Menon, *Faun. India Pisces*, 4 : 36, 1987.

*Nemacheilus* Bleeker, *Ned Tijds. Dierk.*, 1 : 365, 1863 (Type, *Cobitis fasciata* Valenciennes).

Subgenus : *Schistura* McClelland

Type, *Cobitis (Schistura) rupecula* McClelland, 1839

#### 226. *Noemacheilus barapaniensis* Menon

*Physoschistura elongata* Sen and Nalbant (*nec* Hora) *Trans. Mus. Hist. Nat. Grigore Antipa*, 23 : 201, 1981 (Type-locality : Barapani, Shillong, Meghalaya).

*Noemacheilus barapaniensis* Menon, *Faun. India Pisces*, 4 (1) : 131, Pls. 4 and 12, figs. 5-7, 1987.

*Distribution* : India : Meghalaya Barapani, 20 km east of Shillong, Brahmaputra basin.

*Habitat* : Large lakes with gravelly bottom.

*Size* : 3.26 cm SL.

#### 227. *Noemacheilus beavani* Gunther

*Nemachilus beavani* Gunther, *Cat. Fish Brit. Mus.*, 7, p. 350, 1869 (Type-locality : Kossye River). Hora, *Rec. Indian Mus.*, 37 : 63, 1935 (Eastern Himalayas). Shaw and Shebbeare, *J. Asiat Soc. Bengal*, 3 (3) : 70, fig. 66, 1937 (Northern Bengal). Menon, *J. Bombay nat. Hist. Soc.*, 48 (3) : 538, 542, 1937 (Kosi and Gola Rivers, Kumaon Himalayas).

*Noemacheilus beavani*, Menon, *Inland Fish. soc. India Spl. Publ. No. 1*, 53, 1947

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\* Kottelat (*Japanese J. Ichthyol.*, 33(4) : 368-375, 1987) claims that *Noemacheilus* van Hasselt is a *Nomen nudum* which he therefore rejects. In fact the name *Noemacheilus* cannot be considered as a *nomen nudum* as it is the properly published earliest name available and is not preoccupied by a senior synonym (Arts 12-16). I have therefore used this name here. In case a change is a must, then it has to be referred to the International Commission of Zoological Nomenclature. Till then the name *Noemacheilus*, not *Nemacheilus*, should be used.

(Assam, Eastern Himalayas and U.P.). Menon, *Faun. India Pisces*, **4** (1) 84, Pl. 13, fig. 4 and 5, 1987 (Himalayas; North Bengal to Kumaon and Garhwal through Nepal).

*Distribution* : Meghalaya : Barapani, 20 km east of Shillong (Brahmaputra basin).

*Habitat* : Shallow and swift clear streams with pebbly bottom.

*Size* : 4.2 cm SL.

#### 228. *Noemacheilus carletoni* Fowler

*Noemacheilus carletoni* Fowler, *Proc. Acad. nat. Sci. Philad.*, **76** : 68 , fig. 2, 1924, (Type-locality : Kulu valley). Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1, 54, 1974. Tilak and Hussain *Zool. Jb. Syst. Bd.*, **104** : 284, 1977 (Kulu valley). Menon, *Faun. India Pisces*, **4** (1) : 55, Pl. 1, fig. 4, 1987 (India : Himachal Pradesh (Beas River Basin)).

*Distribution* : Himachal Pradesh (Beas River Basin).

*Habitat* : Small shallow swift, clear streams with sandy or gravelly bottom.

*Size* : 3.15 cm SL.

#### 229. *Noemacheilus corica* (Hamilton)

*Cobitis corica* Hamilton *Fish. Ganges*, pp. 359, 1822 (Type-locality : Kosi River).

*Schistura punctata* McClelland, *Asiat. Res.*, **19** : 308, 442, Pl. 54, fig. 4, 1839 (From Hamilton, Ms. Drawing).

*Acoura cinerea* Swainson, *Nat. Hist. Fish.*, **2** : 310, 1839.

*Nemachilus corica*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 361, 1868 (North-eastern Bengal, Assam). Day, *Fish. India*, p. 616, Pl. 156, fig. 1, 1878 ( N. Bengal, Punjab and Assam). Day, *Faun. Brit. Ind. Fish*, **1** : 229, 1989, (N.E. Bengal, Punjab and Assam). Fowler, *Proc. Acad. nat. Sci. Philad.*, **76** : 70, 1924, (Beas, Sutlej basin and Mandi). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3**(3) 72 fig. 68, 1937 (Northern Bengal). Tilak, *Rec. Zool. Surv. India*, **65** (1-4) 186, 199-201, 208, figs. 2a, b, c, d, 1971 (redescription). Bhatnagar, *J. Inland Fish. Soc. India*, **5** : 135, 1973 (Hill streams as well as the Bhakra reservoir). Seghal, *J. Bombay nat. Hist. Soc.*, **70** (3) 466, 1974 (Chamba, Mandi, Bilaspur). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 54 1974 (All along the Himalayas).

*Noemacheilus corica*, Tilak and Hussain, *Zool. Jb. Syst. Bd.*, **104** : 284. 1977 (Bhakra, Chamba). Menon, *Faun. India Pisces*, **4**.(1) 89. Pl. 12. Fig. 3. 1987 (All along the Sub-Himalayas from Darjeeling through Nepal and Kumaon to

Himachal Pradesh and Punjab (Sutlej basin).

*Distribution* : Himalayas : from Darjeeling through Kumaon to Himachal Pradesh and Punjab (Sutlej basin). Nepal.

*Habitat* : Shallow, swift, clear streams with sandy or gravelly bottom.

*Size* : 4.2 cm SL.

### 230. *Noemacheilus dattai*\* Menon

*Noemacheilus arunachalensis* Menon, *Faun. India Pisces*, 4 (1) : 129, Pl. 16, fig. 10, 1987 (Type-locality : Riwa river at Nampong, Tirap District, Arunachal Pradesh (a replacement name)).

*Distribution* : Arunachal Pradesh : Tirap district, Riwa river.

*Habitat* : Clear swift streams with pebbly bottom.

*Size* : 5.6 cm SL.

### 231. *Noemacheilus denisoni dayi* Hora

*Nemachilus dayi* Hora, *Rec. India Mus.*, 37 : 57, 1935 (Type-locality : hills near Raniganj, Chota-Nagpur). Hora, *Rec. Indian Mus.*, 40 : 240, 1938.

*Nemachilus zonatus*, Hora (*nec* McClelland), *Rec. Indian Mus.*, 40 : 178, 1938 (Rajmahal hills).

*Nemachilus denisonii* Day, *Rec. Indian Mus.*, 41 : 446 fig. 4, 1939 (Hazaribagh Dist., Chota-Nagpur).

*Noemacheilus denisoni dayi*, Menon, *Faun. India Pisces*, 4(1) : 99, 1987 (Peninsular India : Chota Nagpur plateau and Bastar, M.P.).

*Distribution* : Peninsular India : Chota-Nagpur Plateau and Bastar, Madhya Pradesh.

*Habitat* : Small, shallow, swift streams with sandy or pebbly bottom.

*Size* : 7.35 cm SL.

### 232. *Noemacheilus denisoni denisoni* Day

*Nemachilus denisoni* Day, *Proc. Zool. Soc. Lond.*, 287, 1867 (Type-locality : Bhawany

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\* Datta and Barman (*Bull. Zool. Surv. India*, 6(1-3) : 275-277, 1984) described a fish under *Noemacheilus arunachalensis*. Menon (*Fauna of India : Cobitoidea*, 1987) used the same name, *N. arunachalensis* for a new species of *Noemacheilus*, the second name becoming a primary junior homonym of the first. A replacement name, *Noemacheilus dattai* is therefore provided.

River; base of Nilgiris).

*Nemachilus denisonii*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 352, 1868 (Nilgiris). Day, *J. Asiat. Soc. Beng.*, **41**(2) : 194, 1872. Day (in part), *Fish. India*, 617, pl. 153 fig. 5, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 231, 1889. Hora, *Rec. Indian Mus.*, **42** : 373, 1940 (Mahanadi river, Raipur, M.P.).

*Nemachilus chlorosoma* Day, *J. Asiat. Soc. Beng.*, **41**(2) : 186, 188, 1872 (Bezawada).

*Nemachilus chryseus* Day, *J. Linn. Soc. (Zool)*, **11** : 529, 1873.

*Nemachilus beavani*, Day (*nec* Gunther), *Fish. India*, 620 pl. 156, fig. 8, 1878 (Bhavany River). Day (*nec* Gunther) *Faun. Brit. India Fish.*, **1** : 234, 1889.

*Noemacheilus denisonii*, Banarescu and Nalbant (in part), *Mitt. Hamburg. Zool. Mus., Inst.*, **65** : 333, pl. 1, fig. 5, 1968 (Mucki, Balaghat, Madhya Pradesh, Upper Narmada drainage).

*Noemacheilus rendahli* Banarescu and Nalbant, *Mitt. Hamburg Zool. Mus. Inst.*, **65** : 336, pl. 1, Fig. 8, 1968 (Type-locality : Mandurli, N. Canara).

*Noemacheilus denisoni denisoni*, Menon, *Faun. India Pisces*, **4**(1) : 93, pl. 10, figs. 3 & 4, 1987 (Peninsular India : widely distributed except the Chota-Nagpur Plateau, including Bastar, M.P. The Pamba and Kollur of Kerala and Karnataka states respectively).

**Distribution** : Peninsular India : Rajasthan, Madhya Pradesh, Maharashtra, Karnataka, Kerala, Tamil Nadu.

**Habitat** : Clear, swift streams with pebbly bottom.

**Size** : 5.0 cm SL.

### 233. *Noemacheilus denisoni mukambbikaensis* Menon

*Noemacheilus denisoni mukambbikaensis* Menon, *Faun. India Pisces*, **4**(1) : 101, pl. 10, Fig. 7, 1987 (Type-locality : Kashi stream, a tributary of Kollur River, Mukambbika, 145 km North east of Mangalore, Karnataka).

**Distribution** : Peninsular India : Karnataka : Kollur River System.

**Habitat** : Clear, swift streams with pebbly bottom.

**Size** : 3.5 cm SL.

### 234. *Noemacheilus denisoni pambaensis* Menon

*Noemacheilus denisoni pambaensis* Menon, *Faun. India Pisces*, **4** (1) 103, pl. 10, figs. 5 and 6, 1987 (Type-locality Sabarigiri, S.E. of Pamba, Kerala State).

*Distribution* : Kerala : Western Ghats (Pamba river system).

*Habitat* : Clear, swift streams with pebbly bottom.

*Size* : 4.0 cm SL.

### 235. *Noemacheilus devdevi* Hora

*Nemachilus devdevi* Hora, *Rec. Indian Mus.*, **37** : 54, pl. 3, fig. 5 & 6, 1935, (Type-locality : Eastern Himalayas : small streams below Darjeeling and in Sikkim).  
Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 55, 1974.

*Noemacheilus devdevi*, Menon, *Faun. India Pisces*, **4** (1) : 59, pl. 1, fig. 7, 1987.

*Distribution* : Eastern Himalayas : Darjeeling and Sikkim.

*Habitat* : Clear, swift streams with pebbly bottom.

*Size* : 4.0 cm SL.

### 236. *Noemacheilus doonensis* Tilak

*Noemacheilus doonensis* Tilak and Hussain, *Sci and Cult.*, **43**(3) : 1977 (Type-locality : Dehra Dun, Uttar Pradesh) Menon, *Faun. India Pisces*, **4**(1) : 57, Pl. 1, fig. 5, 1987 (India : Dehra Dun).

*Distribution* : Uttar Pradesh : Dehra Dun.

*Habitat* : Clear, swift streams with pebbly bottom.

*Size* : 3.2 cm SL.

### 237. *Noemacheilus gangeticus* Menon

*Noemacheilus gangeticus* Menon, *Faun. India Pisces*, **4**(1) : 82, pl. 12, Fig. 6, 1987 (Type-locality : Alaknanda River (Ganges System, at Srinagar, Garhwal, U.P.).

*Distribution* : Western Himalayas : Uttar Pradesh : Dehra Dun and Garhwal.

*Habitat* : Shallow, clear, swift streams with pebbly bottom.

*Size* : 8.2 cm SL.

### 238. *Noemacheilus horai* Menon

*Nemachilus horai* Menon, *Rec. Indian Mus.*, **49**(2) : 227, pl. 7, figs. 1 & 2, 1951 (Type-locality : Kangra valley, Punjab, now in Himachal Pradesh).

*Noemacheilus horai* Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 55, 1974, (Kangra

Valley, Punjab). Tilak and Hussain, *Zool. Jb. Syst. Bd.*, **104** : 285, 1977 (Kangra Valley). Menon, *Faun. India Pisces*, **4(1)** : 74, pl. 3, fig. 1, pl. 16, fig. 3, 1987 (Punjab Himalayas : Beas and Chenab drainage).

*Schistura curtistigma* Mirza and Banarescu (in part), in Mirza, Nalbant and Banarescu, *Ned. Bijdr. Dierk.*, **51(1)** : 114, 1981 (Ravi River, Lahore).

*Schistura shadiwalensis* Mirza and Banarescu (in part), in Mirza, Nalbant and Banarescu, *Ned. Bijdr. Dierk.*, **51(1)** : 125, figs. 51-55, 1981 (Type-locality : Shadiwal on the Chenab River, a tributary of the Sutlej River).

*Schistura macrolepis* Mirza and Banarescu (in part), in Mirza, Nalbant and Banarescu, *Ned. Bijdr. Dierk.*, **51(1)** : 116, 1981 (Shadiwal, upper reach of the Chenab River, a tributary of the Sutlej River).

*Distribution* : Himachal Pradesh : Kangra Dist. (Beas and Chenab drainages); Jammu and Kashmir (Tawi drainage).

*Habitat* : Shallow, clear, swift streams with pebbly bottom.

*Size* : 4.85 cm SL.

#### 239. *Noemacheilus kangjupkhulensis* Hora

*Nemachilus kangjupkhulensis* Hora, *Rec. Indian Mus.*, **22** : 202, pl. 10, figs. 4, 4a, 1921 (Type-locality : Manipur valley). Rendahl, *Ark. Zoology Bd.*, **40**, No. 7 : 32, 1948 (Putao, N. Burma).

*Noemacheilus kangjupkhulensis* Menon, (in part), *Inland Fish. Soc. India Spl. Publ.*, **1** : 55, 1974 (Manipur Valley and Burma. Nagaland excluded). Menon, *Faun. India Pisces.*, **4(1)** : 115, pl. 5, figs. 2 & 3, 1987 (Manipur and Burma).

*Distribution* : India : Manipur, Burma.

*Habitat* : Shallow, swift, streams with gravelly bottom.

*Size* : 4.0 cm SL.

#### 240. *Noemacheilus kodaguensis* Menon

*Noemacheilus kodaguensis* Menon, *Faun. India Pisces*, **4(1)** : 108, Pl. 16, fig. 11, 1987 (Type-locality : Western Ghats Nilgiris and Coorg (Cauvery basin)).

*Distribution* : Western Ghats Nilgiris and Coorg (Cauvery basin).

*Habitat* : Shallow, swift streams with gravelly bottom.

*Size* : 3.6 cm SL.

241. *Noemacheilus manipurensis* Chaudhuri

*Nemachilus manipurensis* Chaudhuri, *Rec. Indian Mus.*, **7** : 443, Pl. 40, figs. 4, 4a, 4b and Pl. 41, figs. 1, 1a, and 1b, 1912 (Type-locality : Manipur). Hora, *Rec. Indian Mus.*, **22** : 199, 1921 (Auwlok and Maklang Rivers, Kangjupkul Hills). Hora and Mukerji, *Rec. Indian Mus.*, **37** : 398, 1935 (Naga Hills).

*Noemacheilus manipurensis*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 55, 1974 (Manipur and Naga Hills). Menon, *Faun. India Pisces*, **4(1)** : 121, Pl. 12, fig. 4, 1987 (India Manipur Valley and Nagaland).

*Distribution* : Manipur Valley and Nagaland.

*Habitat* : Shallow, swift, clear streams with pebbly bottom.

*Size* : 5.8 cm SL.

242. *Noemacheilus montanus* (McClelland)

*Schistura montanus* McClelland, *J. Asiat. Soc. Beng.*, **7**, 947, Pl. 55, Fig. 1, 1838 (Type-locality : Mountain streams of Simla). McClelland, *Asiat. Res.*, **19** : 304, 440, Pl. 57, fig. 1, 1839.

*Nemachilus montanus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 350, 1868 (Simla). Day, *Fish. India*, 616, Pl. 153, fig. 6, 1878 (Himalayas). Day, *Faun. Brit. Ind. fish.*, **1** : 230, 1889 (Himalayas). Fowler, *Proc. Acad. Nat. Sci. Philad.*, **76** : 72, 1924 (Mandi and River Sutlej near Ludhiana). Sehgal, *J. Bombay Nat. Hist. Soc.*, **70(3)** : 466, 1974 (Mandi, Bilaspur, Chamba).

*Nemachilus kangrae* Menon, *Rec. Indian Mus.*, **49(2)** : 229, Pl. 70, figs. 4 and 5, 1951 (Type-locality : Kangra Valley Punjab). Sehgal, *J. Bombay Nat. Hist. Soc.*, **70(3)** : 466, 1974 (Mandi, Bilaspur). Tilak and Hussain, *Zool. Jb. Syst. Bd.*, **109** : 285, 1977 (Kangra Valley, Mandi, Bilaspur).

*Noemacheilus kangrae*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 55, 1974, (Kangra Valley, Punjab).

*Noemacheilus montanus*, Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 56, 1974 (Simla and Kangra Hills, Western Himalayas). Tilak and Hussain, *Zool. Jb. Syst. Bd.*, **104** : 285, 1977 (Simla, Kangra Hills, Chamba, Mandi). Menon, *Faun. India Pisces* **4(1)** : 78, Pl. 11, figs. 6 and 7, 1987 (Punjab Himalayas).

*Distribution* : Punjab Himalayas : Himachal Pradesh.

*Habitat* : Small streams with gravelly bottom.

*Size* : 5.9 cm SL.

243. *Noemacheilus multifasciatus* Day

*Nemachilus rupecola* Gunther, (*nec* McClelland), *Cat. Fish. Brit. Mus.*, 7 : 351, 1869.  
Day (in part), *Fish. India*, p. 613, 1878. Day (in part), *Faun. Brit. Fish.*, 1 : 229, 1889.

*Nemachilus rupecula* var. *inglisi* Hora, *Rec. Indian Mus.*, 37 : 58, 1935 (Type-locality : Eastern Himalayas; Rivers below Darjeeling and Sikkim). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 74, fig. 71, 1937 (Northern Bengal).

*Nemachilus multifasciatus* Day (in part), *Fish. India*, p. 617, pl. 153, Fig. 7, 1878 (Type-locality Darjeeling and Assam). Day (in part), *Faun. Brit. Ind. Fish.*, 1 : 231, 1889, (Darjeeling and Assam).

*Noemacheilus multifasciatus*, Menon, *Inland Fish. Soc. Spl. Publ.*, 1 : 56, 1974 (Darjeeling, Sikkim and Assam). Menon, *Faun. India Pisces*, 4 (1) : 52, Pl. 1, fig. 324, 1987.

*Noemacheilus rupecola inglisi* Menon, *Inland fish. Soc. Spl. Publ.* 1 : 57, 1976 (Darjeeling, Sikkim and Assam).

*Distribution* : Eastern Himalayas : From Tista through the base of Nepal Himalayas as far as Ghagha and Kali drainages.

*Habitat* : Rapid streams and rivers with gravelly bottom.

*Size* : 9.5 cm SL.

244. *Noemacheilus naganensis* Menon

*Noemacheilus kangjupkhulensis*, Hora and Mukerji, (*nec* Hora), *Rec. Indian Mus.*, 37 : 397, 1935 (Naga Hills).

*Noemacheilus kangjupkhulensis*, Menon (in part), *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 55, 1974 (Nagaland. Burma and Manipur excluded).

*Noemacheilus naganensis* Menon, *Faun. India Pisces*, 4 (1) : 117, 1987, (India : Nagaland Brahmaputra basin).

*Distribution* : Nagaland : Brahmaputra basin.

*Habitat* : Swift mountain streams with gravelly bed.

*Size* : 5.9 cm SL.

245. *Noemacheilus nilgiriensis* Menon

*Noemacheilus nilgiriensis* Menon, *Faun. India Pisces*, 4(1) : 106, Pl. 10, figs. 8 and 9, Pl. 14, figs. 1 and 2, 1987 (Type-locality In a small stream joining the

outlet stream from Pykara Dam, Nilgiri District, Tamil Nadu, India).

*Distribution* : Tamil Nadu : Nilgiri (Pykara Dam).

*Habitat* : Small streams with pebbly bed.

*Size* : 5.0 cm SL.

#### 246. *Noemacheilus prashadi* Hora

*Nemacheilus prashadi*, Hora, *Rec. Indian Mus.*, **22** : 203, Pl. 10, figs. 2, 2a, 1921 (Type-locality : Thonagal Tank, and Thoupal and Sikmai streams, Manipur).

*Noemacheilus prashadi*, Menon, *Faun. India Pisces*, **4(1)** : 127, Pl. 3, figs. 8 and 9, 1987 (Manipur valley).

*Distribution* : India : Manipur : Manipur Valley.

*Habitat* : Small streams and tanks with gravelly bed.

*Size* : 4.6 cm SL.

#### 247. *Noemacheilus punjabensis* Hora

*Nemachilus punjabensis* Hora, *Rec. Indian Mus.*, **75** : 384, Fig. 2 and 3, 1923 (Type-locality : Salt range, Punjab).

*Noemacheilus alepidotus nalbanti* Banarescu and Mirza, *Biologia* **18(2)** : 121, figs. 1-2, 1972 (Type-locality : Rawlakot, Azad kashmir, Jhelum River basin) Mirza, *Proc. 1st Pakistan Congr. Zool.*, p. 24, 1980 (Punjab and Azad Kashmir).

*Noemacheilus punjabensis*, Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 56, 1974. Mirza, *Proc. 1st Pakistan Congr. Zool.*, p. 22, 1980 (Punjab). Menon, *Fauna India Pisces*, **4** : 47, Pl. 1, fig. 2, Pl.16, fig. 4, 1987 (Pakistan : Azad Kashmir; India : Punjab, Jammu and Kashmir).

*Schistura nalbanti* Mirza, Nalbant and Banarescu, *Bijdr. Dierk.*, **51(1)** : 107, Fig. 5, 1981 (Jhelum River Basin).

*Distribution* : India : Punjab, J. and K. Pakistan : Azad Kashmir.

*Habitat* : Small streams and rivers with gravelly bed.

*Size* : 6.4 cm SL.

#### 248. *Noemacheilus rupecola* (McClelland).

*Schistura rupecula* McClelland, *J. Asiat. Soc. Beng.*, **7** : 948, Pl. 55, fig. 3, 1838 (Type-locality Simla). McClelland, *Asiat. Res.*, **19** : 309, Pl. 57, fig. 3, 1839.

*Nemachilus rupecola*, Day, *Fish. India*, p. 616, Pl. 153, Fig. 9, 1878. Menon, *J. Bombay Nat. Hist. Soc.*, **48(3)** : 540, 542, 1949 (Bhowali Nallah, Ramgar Nallah, Nainital, Gola and Kosi Rivers, Kumaon). Sehgal, *J. Bombay Nat. Hist. Soc.*, **70(3)** : 466, 1974 (Sirmour).

*Nemachilus rupicola*, Fowler, *Proc. Acad. Nat. Sci. Philad.*, **76** : 70-71, 1889 (Kulu Valley and Gorges near Beas River).

*Noemacheilus beavani*, Fowler (*nec* Gunther), *Proc. Acad. Nat. Sci. Philad.*, **76** : 71, 1924 (Head waters of the Sutlej and Beas Rivers).

*Noemacheilus rupecola rupecola*, Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 56, 1977.

*Noemacheilus rupecola*, Tilak and Hussain, *Zool. J. Syst. Bd.*, **104** : 285, 1977 (Kulu, Simla, Solan, Sirmour, Beas and Sutlej Rivers). Menon, *Faun. India Pisces*, **4(1)** : 49, 1987 (Western Himalayas).

*Distribution* : India : Western Himalayas : Kumaon through Garhwal to Yumuna, Sutlej and Beas drainage of the Himachal Pradesh.

*Habitat* : Small streams with pebbly bottom.

*Size* : 6.65 cm SL.

#### 249. *Noemacheilus savona* (Hamilton)

*Cobitis savona* Hamilton, *Fish. Ganges.*, 357, 1822, (Type-locality : Kosi River at Nathpur).

*Schistura savona*, McClelland, *Asiat. Res.*, **19** : 303, 442, Pl. 53, figs. 3, 1839 (reproduced from Hamilton - Bunchanan's drawing).

*Acoura obscura* Swainson, *Nat. Hist. Fish.*, **2** : 310, 1839.

*Nemachilus savona*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 354, 1868 (Northern Bengal). Day (in part), *Fish. India*, 619, 1878. Hora, *Rec. Indian Mus.*, **37** : 56, Pl. 3, fig. 3 and 4, 1935. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 234, 1889.

*Noemacheilus savona*, Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 57, 1974. Menon, *Faun. India Pisces*, **4(1)** : 91, Pl. 13, fig. 10, 1987 (Eastern Himalayas, Tista drainage at Darjeeling and Kali drainage in U.P.).

*Distribution* : Eastern Himalayas Tista drainage at Darjeeling through Nepal to Karnali and Kali drainage in U.P.

*Habitat* : Rapid streams with gravelly bed.

*Size* : 2.4 cm SL.

250. *Noemacheilus scaturigina* (McClelland)

*Cobitis* (*Schistura*) *scaturigina* McClelland, *Asiat. Res.*, **19** : 308, 443, Pl. 53, fig. 6, 1839 (from a figure from Hamilton Buchanan's collection). Day, *Fish. India*, p. 614, 1878.

*Cobitis* (*Schistura*) *subfusca* McClelland, *Asiat. Res.*, **19** : 308, 443, Pl. 53, fig. 5, 1839 (U. Assam).

*Schistura zonata* McClelland, *Asiat. Res.*, **19** : 308, 441, Pl. 53, fig. 1, 1839 (Type-locality : Upper Assam).

*Nemachilus subfuscus*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 351, 1868 (Assam).

*Nemachilus scaturigina*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 347, 1868 (Bengal). Hora, *Rec. Indian Mus.*, **37** : 64, Pl. 3, figs. 7-8, 1935 (Eastern Himalayas and Assam).

*Nemachilus mugah* Day, *Proc. Zool. Soc. Lond.*, 382, 1869 (Type-locality : Cossye River at Midnapore).

*Nemachilus zonatus*, Day (in part), *Fish. India*, 618, Pl. 156, fig. 2, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 233, 1889 (Jamuna and Ganges and other affluents, Bearbhoon, Assam and Orissa).

*Nemachilus shebbearei* Hora, *Rec. Indian Mus.*, **37** : 52, 1935 (Type-locality : Northern Bengal).

*Noemacheilus sikmaiensis* (nec Hora), Banarescu and Nalbant, *Mitt. Hamburg Zool. Mus. Inst.*, **65** : 334, 1968 (Janali River at Raimora, Assam. Bhutan excluded).

*Noemacheilus scaturigina*, Menon, *Inland Fish. Soc. India. Spl. Publ.*, **1** : 58, 1974. Menon, *Faun. India Pisces*, **4**(1) : 86, Pl. 3, figs. 2 and Pl. 13, figs 8 and 9, 1987 (Eastern Sub-Himalayas).

*Distribution* : India : Eastern Himalayas : Darjeeling and Assam. Nepal. Bhutan.

*Habitat* : Streams with gravelly bed.

*Size* : 4.9 cm SL.

251 *Noemacheilus semiarmatus* Day

*Nemachilus semiarmatus* Day, *Proc. Zool. Soc. Lond.*, 286, 1867 (Type-locality : "Bowany and Seegoor rivers along the base of the Neilgherry; also imported into tanks on those mountains") Gunther, *Cat. Fish. Brit. Mus.*, **7** : 353, 1868 (Nilgherris). Day, *Faun. Brit. Ind. Fish.* **1** : 229, 1889.

*Noemacheilus semiarmatus*, Day, *J. Asiat. Soc. Beng.*, **41**(2) 186, 1872. Day, *Fish India*, 616, Pl. 156. fig. 11 1878.

*Noemacheilus semiarmatus*, Menon, *Faun. India Pisces*, 4(1) : 110, Pl. 14, fig. 3, Pl. 11, figs. 1-3, 1987 (Peninsular India : Cauvery basin in Wynaad, Nilgiris and Mysore and Silent Valley (Bharathapuzha basin).

*Distribution*: Peninsular India : Karnataka : Mysore; Kerala : Wynaad; Tamil Nadu : Nilgiris.

*Habitat* : Small streams with gravelly bed.

*Size* : 5.65 cm SL.

#### 252. *Noemacheilus sikmaiensis* Hora

*Nemachilus sikmaiensis* Hora, *Rec. Indian Mus.*, 22 : 201, Pl. 9, fig. 4, Pl. 10, fig. 1, 1a, 1921 (Type-locality : Sikmai stream, near Patel, Manipur). Hora, *Rec. Indian Mus.*, 31 : 324, 1929.

*Noemacheilus sikmaiensis*, Menon, *Inland Fish. Soc. India, Spl. Publ.*, No. 1 : 58, 1974 (Manipur and Myitkyina, Burma). Menon, *Faun. India Pisces*, 4(1) : 125, Pl. 3, figs. 4 and 5, 1987 (India : Manipur valley and Meghalaya; Burma : Myitkyina Dist.).

*Distribution* : India Meghalaya, Tripura, Nagaland, Manipur and Assam. Burma : Myitkyina Dist.

*Habitat* : Streams with gravelly bed.

*Size* : 2.7 cm SL.

#### 253. *Noemacheilus singhi* Menon

*Noemacheilus singhi* Menon, *Faun. India Pisces*, 4(1) : 119, Pl. 16, fig. 1, 1987 (Type-locality : Kiphire, Nagaland).

*Distribution* : India : Nagaland; Kiphire.

*Habitat* : Small streams with pebbly bottom.

*Size* : 3.6 cm SL.

#### 254. *Noemacheilus striatus* Day

*Nemachilus striatus* Day, *Proc. Zool. Soc. Lond.*, 347, 1867 (Type-locality : "Wynaad"). Gunther, *Cat. Fish. Brit. Mus.*, 7 : 353, 1868 ("Wynaad"). Day, *Faun. Brit. Ind. Fish.*, 2 : 230, 1889.

*Nemacheilus striatus*, Day, *Asiat. Soc. Beng.*, 41(2) 190, 1872. Day, *Fish. India*, p. 617, Pl. 153, fig. 8, 1878.

*Nemachilus bhimachari* Hora, *Rec. Indian Mus.*, **39** : 13, fig. 5, 1937 (Type-locality : Thunga River, Shimoga).

*Noemacheilus striatus*, Menon, *Faun. India Pisces*, **4**(1) : 113, Pl. 5, fig. 1, 1987 (Western Ghats : Kerala : Wynaad; Karnataka : Shimoga).

*Distribution* : India : Western Ghats : Kerala : Wynaad; Karnataka : Shimoga.

*Habitat* : Small streams with pebbly bed.

*Size* : 5.0 cm SL.

### 255. *Noemacheilus vinciguerrae* Hora

*Nemachilus multifasciatus*, Vinciguerra (*nec* Day), *Ann. Mus. Civ. Stor. Nat. Genova*, **9**(2) : 209, 1890 (Type-locality : Burma : S. Shan States.)

*Nemachilus vinciguerrae* Hora, *Rec. Indian Mus.*, **37** : 62, Pl. 3, fig. 12, 1935.

*Noemacheilus putaoensis* Rendahl, *Ark. Zool.*, **40A**, (No. 7) : 27, 1940 (Type-locality : Putao, W Burma).

*Noemacheilus vinciguerrae*, Menon, *Faun. India Pisces*, **4** (1) : 134, Pl. 4, fig. 3, 1987 (India : Manipur. Burma : S. Shan States).

*Distribution* : Manipur and Burma.

*Habitat* : Small streams with pebbly bed.

*Size* : 7.8 cm SL.

Subgenus : *Acanthocobitis* Peters  
Type, *Acanthocobitis longipinnis* Peters, 1861

### 256. *Noemacheilus botia* (Hamilton)

*Cobitis botia* Hamilton, *Fish. Ganges*, pp. 350, 394, 1822 (Type-locality : Rivers of north eastern parts of Bengal).

*Cobitis bilturio* Hamilton, *Fish. Ganges*, pp. 358, 395, 1822 (Type-locality : Brahmaputra River).

*Cobitis bimucronata* McClelland, *Asiat. Res.*, **19** : 304, 435, Pl. 51, fig. 5, 1839 (from Hamilton's - MS. drawings).

*Acanthocobitis longipinnis* Peters, *Mond. Ak. Wiss. Berl.*, **512**, 1861 (Ganges).

*Botia nebulosa* Blyth, *J. Asiat. Soc. Beng.*, **29** : 165, 1868 (Type-locality : Darjeeling).

*Nemacheilus botia*, Gunther, *Cat. Fish. Brit. Mus.*, **7** : 349, 1868. Day (in part), *Faun.*

*Brit. Ind., Fish.* **1** : 227, 1889. Fowler, *Proc. Acad. nat. Sci. Philad.*, **76** : 70, 1924 (Bilaspur, the Jamna, Sutlej and Ghagger Rivers, Umballah and Ludhiana).

*Nemachilus mackenziei* Chaudhuri, *Rec. Indian Mus.*, **5** : 183, 1919 (Type-locality : Cheriadhang and Joulasal in Nainital district U.P., Jharia and Jamwari nadi near Siripur (Bengal) and Purnahia in Champaran (Bihar).)

*Noemacheilus botia*, Misra, *Rec. Indian Mus.*, **57** : 171, 1959 (Northern India, Bangladesh, Pakistan). Banarescu and Nalbant (in part), *Mitt. Hamburg Zool. Mus. Inst. Bd.*, **65** : 332, 1968, (Janali River at Raimora, Assam; Varej river at Nichangara, Uttar Pradesh; Asan River at Dharmewalla, Siwaliks; Ganges at Banares; Kaziranga, Mikir hills, Assam). Menon, *Faun. India Pisces*, **4(1)** : 141, fig. 1, Pl. 13; Figs. 1,2,3 Pl. 15; 1987 (India : Northern india Brahmaputra, Ganges and Indus basins).

*Distribution* : Northern India (Brahmaputra, Ganges and Indus basins).

*Habitat* : Small streams with gavelly or sandy bed.

*Size* : 6.9 cm SL.

#### 257. *Noemacheilus moreh* (Sykes)

*Cobitis moreh* Sykes, *Trans. Zool. Soc. Lond.*, **2** : 266, 1841 (Type-locality : Western Ghats).

*Nemacheilus sinuatus*, Day, *Proc. Zool. Soc. Lond.*, 371, 1870 (Type-locality : Wynaad).  
Day, *Fish. India.*, 615, Pl. 156, fig. 3, 1878.

*Nemacheilus moreh*, Day, *J. Asiat. Soc. Beng.*, **41(2)** : 184, 1872.

*Nemachilus sinuatus*, Day, *Faun. Brit. Ind. Fish.*, **2** : 228, 1889.

*Nemacheilus aureus* Day, *J. Asiat. Soc. Beng.*, **41(2)** : 188, 1872.

*Nemacheilus botia*, Day (in part), *Fish. India.*, p. 614, Pl. 156, fig. 4, 1878.

*Nemachilus botia*, Day (in part), *Faun Brit. Ind. Fish.*, **1** : 227, 1889. Annandale, *Rec. Indian Mus.*, **16** : 127, 1919.

*Noemacheilus botia aureus*, Misra, *Rec. Indian Mus.*, **57** : 172, 1959 (Deccan, Deolali, Poona, Orissa).

*Noemacheilus botia*, Banarescu and Nalbant (in part), *Mitt. Hamburg. Zool. Mus. Inst. Bd.*, **65** : p. 332, 1968 (Anshi, North Canara; Mutha Mula river at Poona).

*Noemacheilus moreh*, Menon, *Faun. India Pisces*, **4(1)** 145, 1987 (India Peninsular India).

*Distribution* : Peninsular India : Maharashtra : Poona; Andhra Pradesh: Araku valley; Tamil Nadu: Nilgiris.

*Habitat* : Streams with pebbly or sandy bottom.

*Size* : 4.4 cm SL.

258. *Noemacheilus pavonaceous* (McClelland)

*Cobitis pavonaceous* McClelland, *Asiat Res.*, **19** : 305, 437, Pl. 52, fig. 1, 1839 (Type-locality : Assam).

*Nemachilus pavonaceous*, Gunther, *Cat. Fish. Brit. Mus.*, **2** : 348, 1868 (Assam). Day, *Fish. India*, p. 613, Pl. 153, fig. 12, 1878. Day, *Faun. Brit. Ind. Fish.*, **1** : 226, 1889.

*Noemacheilus pavonaceous*, Menon, *Faun. India Pisces*, **4(1)** : 150, Pl. 6, fig. 1, 1987 (India : Assam, Brahmaputra basin).

*Distribution* : Assam : Brahmaputra basin.

*Habitat* : Streams with pebbly bed.

*Size* : 8.0 cm SL.

259. *Noemachilus zonalternans* (Blyth)

*Cobitis zonalternans* Blyth, *J. Asiat Soc. Beng.*, **17** : 172, 1860 (Type-locality : Tenasserim).

*Nemachilus zonalternans*, Hora, *Rec. Indian Mus.*, **22** : 199, Pl. 10, figs. 3, 3a, 1921 (Manipur Valley). Hora, *Rec. Indian Mus.*, **31** : 319, 1929 (Burma).

*Nemachilus botia* Hora, *Rec. Indian Mus.*, **32** : 318, 1929 (Myitkyina, Mukong valley frontier, Indewgyi Lake).

*Nemacheilus zonalternans*, Randahl, *Ark. Zool. Bd.*, **40A**, No. 7 : 21, fig. 10, 1948 (Tenasserim).

*Noemacheilus zonalternans*, Menon, *Faun. India Pisces*, **4(1)** : 147, 1987 (Burma and Manipur Valley).

*Distribution* : Manipur and Burma.

*Habitat* : Streams with pebbly bed.

*Size* : 7.8 cm SL.

Subgenus : *Noemacheilus* van Hasselt s. str. 1823

260. *Noemacheilus anguilla* Annandale

*Nemachilus anguilla* Annandale, *Rec. Indian Mus.*, **16** : 127 Pl. 1, fig. 1, 1919 (Type-locality : Yenna river, Kistna drainage at Medha, Satara district, Maharashtra).  
Menon, *Faun. India Pisces*, **4**(1) : 154, Pl. 6, fig. 3, 1987 (Western Ghats : Maharashtra and Karnataka).

*Nemachilus poonaensis* Menon, *Rec. Indian Mus.*, **47**(1) : 226, 1949 (Type-locality : Mula-Mutha river, Krishna drainage, Poona).

*Noemacheilus hoonensis*, Banarescu and Nalbant, *Mitt., Hamburg Zool. Mus. Inst.*, **65** : 330, Pl. 1, figs. 1 and 2, 1968 (Anshi, Gangawali drainage, N. Canara).

*Distribution* : Peninsular India : Western Ghats : Maharashtra and Karnataka (Krishna River Basin).

*Habitat* : Streams with pebbly bed.

*Size* : 5.0 cm SL.

261. *Noemacheilus monilis* Hora

*Noemachilus monilis* Hora, *Rec. Indian Mus.*, **22** : 19, 1921 (Type-locality : Bhavani river, 10 miles from Mettupalayam, base of Nilgiris).

*Noemacheilus monilis*, Menon, *Faun. India Pisces*, **4**(1) : 156, Pl. 6, fig. 4, 1987 (Western Ghats : Nilgiris : Mettupalayam, Bhavani River).

*Distribution* : Western Ghats : Nilgiris : Mettupalayam (Bhavani river).

*Habitat* : Streams and rivers below the ghats, with pebbly bed.

*Size* : 4.8 cm SL.

*Status* : Rare.

Subgenus : *Noemacheilichthys* Day  
Type, *Cobitis rupelli* Sykes, 1841

262. *Noemacheilus rupelli* \* (Sykes)

*Cobitis rupelli* Sykes, *Trans. Zool. Soc. Lond.*, **2** : 366, Pl. 64, 1841 (Type-locality : Dukhun).

*Nemachilichthys ruppelli*, Day, *Fish. India*, p. 612, Pl. 104; fig. 7, 1826 (Deccan). Day, *Faun. Brit. Ind. Fish.*, **1** : p. 224, 1879 (Deccan).

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\* The original spelling of Sykes (1841 : 366) is *rupelli* and not *ruppelli*.

*Nemachilichthys shimogensis* Rao, *Ann. Mag. nat. Hist. Lond.*, 6(9) : 62, Pl. 2, fig. 5, 5a, 5b, 1920 (Type-locality : River Thunga, Shimoga Town, Mysore).

*Noemacheilus rupelli*, Banarescu and Nalbant, *Mitt. Hamburg. Zool. Mus. Inst.*, 65 : P. 329 (Poona, lake Fifa, Upper Krishna). Menon, *Faun. India Pisces*, 4 (1) : 158 Pl. 12, fig. 1, 1987 (Western Ghats : Maharashtra and Karnataka).

*Distribution* : Western Ghats : Maharashtra and Karnataka.

*Habitat* : Streams, rivers and lakes below the ghats with pebbly bed.

*Size* : 7.4 cm SL.

*Status* : Rare.

Subgenus : *Mesonoemacheilus* Banarescu and Nalbant  
Type, *Noemacheilus triangularis* Day, 1865

### 263. *Noemacheilus guentheri* Day

*Nemacheilus guentheri* Day, *Proc. Zool. Soc. Lond.*, 285, 1867 (Type-locality : Rivers along the lower slopes and base of the Neilgherry hills). Day *J. Asiat. Soc. Beng.*, 41(2), p. 195, 1872. Day, *Fish. India*, p. 615, pl. 156, fig. 10, 1878 (Rivers along lower slopes and base of the Nilgiri hills). Hora, *Rec. Indian Mus.*, 43 : 250, 1941 (Pampadampara, W. Ghats, North Travancore).

*Nemacheilus rubripinnis*, Day (*nec* Blyth), *J. Asiat. Soc. Beng.*, 41(2) p. 197, 1872 (Malabar).

*Nemachilus guntheri*, Gunther, *Cat. Fish. Brit. Mus.*, 7, 361, 1868 (Nilgherries).

*Nemachilus guentheri*, Beaven, *HBFW Fish. India*, p. 110, 1877 (Nilgherries). Day, *Faun. Brit. Ind. Fish.*, 228, 1889.

*Mesonoemacheilus herrei* Nalbant and Banarescu, *Trans. Mus. Hist. nat. Grigore Antipa*, 23 : 203, figs. 1-5, 1981 (Type-locality : Anamalai hills, Valparai, Kerala State).

*Noemacheilus guentheri*, Menon, *Faun. India Pisces*, 4(1) : 161, Pl. 11, fig. 9, 1987 (Peninsular India : Western Ghats. Kallar, Pamba, Periyar and Bharathapuzha rivers, also the Cauvery system in Nilgiris and Mysore).

*Distribution* : Peninsular India : Western Ghats Kallar, Pamba, Periyar and Bharathapuzha, Cauvery (Nilgiris and Mysore).

*Habitat* : Streams with pebbly bed.

*Size* : 5.6 cm SL.

264. *Noemacheilus petrubanarescui* Menon

*Noemacheilus petrubanarescui* Menon, *Cybium*, 8(2) : 45, 1984 (Type-locality : Netravati River, Dharmasthala, Karnataka). Menon, *Faun. India Pisces*, 4(1) : 166, p. 16, fig. 8, 1987 (Karnataka : Netravati River, Dharmasthala).

*Distribution* : Karnataka : Netravati river.

*Habitat* : Pebbly streams.

*Size* : 3.5 cm SL.

265. *Noemacheilus pulchellus* Day

*Nemacheilus puchellus* Day, *J. Linn. Soc. Lond., (Zool.)*, 11 : 528, 1873, (Type-locality : Bhavani River, Nilgiris). Day, *Fish. India*, p. 615, fig. 7, Pl. 156, 1878 (Bhavani River, Nilgiris).

*Nemachilus pulchellus*, Day, *Faun. Brit. Ind. Fish.* 1 : 228, 1889.

*Noemacheilus pulchellus*, Menon, *Faun. India Pisces*, 4(1) : 164, Pl. 16, fig. 5; Pl. 14, fig. 4, 1987 (Western Ghats : Bhavani river, base of Nilgiris).

*Distribution* : Western Ghats : Nilgiris (Bhavani river).

*Habitat* : Streams with pebbly bed.

*Size* : 4.6 cm SL.

266. *Noemacheilus reticulofasciatus* (Singh and Banarescu)

*Mesonoemacheilus reticulofasciatus* Singh and Banarescu, *Trans. Mus., Hist. Nat. Grigore Antipa*, 23 : 206, 1981 (Type-locality : Barani, 20 km. from Shillong).

*Noemacheilus reticulofasciatus*, Menon, *Faun. India Pisces*, 4(1) : 173; Pl. 12, fig. 2, 1987 (India : North Meghalaya : Jaintia Hills (Brahmaputra basin.)

*Distribution* : Meghalaya : Jaintia Hills (Brahmaputra basin).

*Habitat* : Streams with pebbly bed.

*Size* : 3.8 cm SL.

267. *Noemacheilus sijuensis* Menon

*Nemachilus* sp., Hora, *Rec. Indian Mus*, 26 : 28, fig. 1a and 1b, 1924 (Siju cave, Garo Hills, Assam, Now Meghalaya).

*Nemachilus beavani*, Hora (*nec* Gunther), *Rec. Indian Mus.*, 37 : 63, 1935.

*Nemachilus sijuensis*, Menon *Faun. India Pisces*, **4(1)** : 175, Pl. 6, fig. 2, 1987 (Garohills, Meghalaya)

*Distribution* : Meghalaya : Siju cave and Garo Hills.

*Habitat* : Streams with pebbly bed.

*Size* : 4.0 cm SL.

**268. *Noemacheilus traingularis tambaraparniensis* Menon**

*Nemachilus triangularis* (in part), Hora, *Rec. Indian Mus.*, **43**, Pl. 9, fig. 6, 7, 8, 1941 (Courtalam, Tambaraparani drainage, Travancore now Tirunelveli Dist. Tamil Nadu)

*Noemacheilus triangularis tambaraparniensis* Menon, *Faun. India Pisces*, **4(1)** : 171, 1987 (Peninsular India : Western Ghats : Tambaraparani drainage near Courtalam, Tamil Nadu).

*Distribution* : Western Ghats, Tamil Nadu : Tambaraparani drainage near Courtalam.

*Habitat* : Streams with pebbly bed.

*Size* : 5.8 cm SL.

**269. *Noemacheilus triangularis triangularis* Day**

*Nemachilus triangularis*, Day, *Proc. Zool. Soc. Lond.*, p. 295, 1865 (Type-locality : Mundakayum, Travancore). Day, *Fish. Malabar*, 203, Pl. 14, fig. 1, 1865. Gunther, *Cat. Fish. Brit. Mus.*, 7, p. 352, 1868 (Travancore hills). Day, *J. Asiat. Soc. Beng.*, **41**: 194, 1872. Day, *Fish. India*, p. 619, Pl. 153, fig. 10, 1878 (Travancore hills).

*Nemachilus triangularis*, Day, *Faun. Brit. Ind. Fish.* **1**, 234, 1889 (Travancore hills). Hora, *Rec. India. Mus.*, **43** : 251, 1941 (Western Ghats: North, Central and South Tranvancore Hills).

*Noemacheilus triangularis triangularis*, Menon, *Faun. India Pisces* **4(1)** : 168, Pl. 11, figs. 4, 5 and 8, 1987 (Peninsular India : Western Ghats : Kallar, Pamba, Periyar and Bharathapuzha drianages).

*Distribution* : Western Ghats Kerala.

*Habitat* : Streams with pebbly bed.

*Size* : 4.85 cm SL.

Subgenus : *Infundibulatus* Menon  
Type, *Noemacheilus peguensis* Hora, 1929

270. *Noemacheilus assamensis* Menon

*Noemacheilus assamensis* Menon, *Faun. India Pisces*, 4(1) : 179, 1987 (Type-locality : Pagladia River, Assam (Brahmaputra drainage)).

*Distribution* : Assam : Brahmaputra Drainage.

*Habitat* : Streams with pebbly bottom.

*Size* : 4.85 cm SL.

271. *Noemacheilus peguensis* Hora

*Nemachilus peguensis* Hora, *Rec. Indian Mus.*, 31 : 320, Pl. 15, figs. 1 and 2, 1929 (Type locality : Pegu Yoma, Burma).

*Noemacheilus peguensis*, Menon, *Faun. India Pisces*, 4(1) : 178, Pl. 6, figs. 7 and 8 1987 (India : Manipur, Chindwin drainage ; Burma : Pegu Yoma).

*Distribution* : Manipur and Burma.

*Habitat* : Streams with pebbly bed.

*Size* : 4.1 cm SL.

Subgenus : *Aborichthys* Chaudhuri  
Type, *Aborichthys kempi* Chaudhuri, 1913

272. *Noemacheilus elongatus* (Hora)

*Aborichthys elongatus* Hora, *Rec. Indian Mus.*, 22 : 735, fig. 1921, (Type-locality : Base of Darjeeling Himalayas). Hora, *Rec. Indian Mus.*, 27 : 233, 1925. Shaw and Shebbeare, *J. Asiat. Soc. Bengal*, 3 : 1937 (Riyang River, N. Bengal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 49, 1974 (Darjeeling Himalayas).

*Noemacheilus elongatus* Menon, *Faun. India Pisces*, 4(1) : 184, Pl. 7, Fig. 6, 1987 (Type-locality : Darjeeling Himalayas).

*Distribution* : West Bengal : Darjeeling.

*Habitat* : Streams with pebbly bed.

*Size* : 5.4 cm SL.

273. *Noemacheilus garoensis* (Hora)

*Aborichthys garoensis* Hora, *Rec. Indian Mus.*, **72** : 233, figs. 1, 1a, 1b, 1925 (Type-locality Tura, Garo Hills). Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 49, 1974, (Garo Hills).

*Noemacheilus garoensis*, Menon, *Faun. India Pisces*, **4(1)** : 186, Pl. 6, fig. 6, 1987 (India : Garo Hills, Meghalaya).

*Distribution* : Meghalaya : Garo Hills.

*Habitat* : Streams with Pebbly bed.

*Size* : 3.8 cm SL.

274. *Noemacheilus kempi* (Chaudhuri)

*Aborichthys kempi* Chaudhuri, *Rec. Indian Mus.*, **8** : 245, Pl. 7, figs. 1, 1a, 1b, 1913 (Type-locality : Renging, Eotung and Yenbung, Abor Hills). Hora, *Rec. Indian Mus.*, **27** : 232, 1925. Menon, *Inland Fish. Soc. India. Spl. Publ.*, No. 1, 1974 (Abor and Garo hills, Assam and Putao Plains, Upper Burma).

*Noemacheilus kempi*, Menon, *Faun. India Pisces*, **4(1)** : 188, Pl. 7, fig. 5, 1987.

*Distribution* : Arunachal Pradesh : Abor Hills. Burma near Tibetan Frontier.

*Habitat* : Streams with pebbly bed.

*Size* 8.0 cm SL

275. *Noemacheilus tikaderi* (Barman)

*Aborichthys tikaderi* Barman, *J. Bombay nat. Hist. Soc.*, **81(3)** : 680, 1984 (Type-locality : Namdapha Wildlife sanctuary, Arunachal Pradesh).

*Distribution* : Arunachal Pradesh : Namdapha Wildlife Sanctuary.

*Habitat* : Streams with pebbly bed.

*Size* : 11.0 cm TL.

Subgenus *Indoreonectes* Rita and Banarescu  
Type, *Oreonectes keralensis* Rita and Nalbant, 1981

276. *Noemacheilus evezardi* Day

*Nemacheilus evezardi* Day, *Fish. India*, 613, Pl. 153, fig. 11, 1878, (Type-locality Poona).

*Noemacheilus evezardi*, Menon, *Faun. India Pisces*, **4(1)** 191, Pl. 4, figs. 1 and 2,

Pl. 10, Fig. 1, 1987 (India : Western Ghats : Krishna and Godavari basins)

*Distribution* : Maharashtra : Western Ghats : Krishna and Godavari basins ; Madhya Pradesh : Satpura Range : Panchmari Hills.

*Habitat*: Streams with pebbly bed.

*Size* : 3.8 cm SL.

277. *Noemacheilus keralensis* (Rita and Nalbant)

*Oreonectes keralensis* Rita and Nalbant, *Trans. Mus. nat. Grigore Antipa*, 19 : 186, 1978 (Type-locality : Pampadampara, Kerala).

*Noemacheilus keralensis*, Menon, *Faun. India Pisces*, 4(1) : 193, Pl. 10, fig. 2, 1987.

*Distribution* : Western Ghats : Southern parts (Periyar and Pamba basins).

*Habitat* : Streams with pebbly bed.

*Size* : 5.3 cm SL.

Genus 55 : *Triplophysa* Rendahl

*Triplophysa* Rendahl, *Ark. Zool.*, 25A (11) : 21, 1933 (Type, *Nemacheilus hutjertjuensis* Rendahl).

278. *Triplophysa gracilis* (Day)

*Nemachilus gracilis* Day, *Proc. Zool. Soc. Lond.*, 798, 1876 (Type-locality : Basgo, headwaters of Indus). Day, *Sci. Res. 2nd Yarkand Mission Ichthyol.*, 16, Pl. 4, Fig. 5, 1878. Day, *Fish. India* : 621, 1878. Day, *Faun. Brit. Ind. Fish.*, 1 : 237, 1889. Hora, *Rec. Indian Mus.*, 24 : 74, 1922. Hora, *Rec. Indian Mus.*, 35 : 189, 1933. Hora and Mukerji, *Visser's Karakorum*, 1 : 430, Pl. 4. fig. 2, 1935.

*Nemachilus stoliczkae*, (*nec* Steind.), Alcock, *Rep. Nat. Hist. Res. Pamir. Bound. Comm.*, 38, 1898.

*Triplophysa gracilis*, Menon, *Faun. India Pisces*, 4(1) 202, 1987.

*Distribution* : India Jammu and Kashmir, Ladakh. China Karakush Valley (Tarim basin). Found in the Indus from the head waters as far down as Attock and Jhelum in Sutlej basin.

*Habitat* : Standing waters and rivers, deeper portions.

*Size* : 11.0 cm SL.

279. *Triplophysa ladacensis* (Gunther)

*Nemachilus ladacensis* Gunther, *Cat. Fish. Brit. Mus.*, 7 : 356, 1868 (Type-locality : Ladakh). Hora, *Rec. Indian Mus.*, 24 : 78, 1922 (Ladakh).

*Triplophysa ladacensis*, Menon, *Faun. India. Pisces*, 4 (1) : 206, 1987 (India : Ladakh).

*Distribution* : India : Jammu and Kashmir : Ladakh.

*Habitat* : Rivers, deeper portions.

*Size* : 10.5 cm SL.

280. *Triplophysa marmorata* (Heckel)

*Cobitis marmorata* Heckel, *Fische caschmir*, 76, Pl. 12 fig. 1 and 2, 1838 (Type-locality : Kashmir lakes). Heckel, in Hugel's *Kaschmir*, 4 : 380, 1844.

*Cobitis vittatus* Heckel, *Fische caschmir*, 80, Pl. 12, fig. 3 and 4, 1838, (Type-locality : Kashmir lakes).

*Cobitis vittata*, Heckel, in *Hugel's Kaschmir*, 14 : 382, 1844.

*Nemachilus marmoratus*, Gunther, *Cat. Fish. Brit. Mus.*, 2 : 356, 1868. Day, *Fish, India*, 620, Pl. 155, fig. 6, 1878. Day, *Faun. Brit. Ind. Fish.*, 1 : 235, 1889. Hora, *Rec. Indian. Mus.*, 24 : 79, 1922.

*Nemachilus vittatus*, Hora, *Rec. Indian Mus.*, 24 : 74, 1922. Hora, *Mem. Conn. Acad.*, 10 : 311, 1936.

*Triplophysa marmorata*, Menon, *Faun. India Pisces*, 4(1) : 208, Pl. 7, fig. 7, 1987 (Endemic to Kashmir lakes).

*Distribution* : India : Jammu and Kashmir : Kashmir Valley.

*Habitat* : Standing waters.

*Size* : 8.0 cm SL.

281. *Triplophysa microps* (Steindachner)

*Cobitis microps* Steindachner, *Verh. Zool. Bot. Ges. Wien.*, 16 : 794, Pl. 12, fig. 3, 1866 (Type-locality : Leh).

*Nemachilus microps*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 357, 1868 (Tibet). Day, *Sci. Res. 2nd yarkand Miss. Ichthyol.*, 17, 1878. Hora, *Rec. Indian Mus.*, 24 : 80, 1922 (Mecma from Yarkand Mission Collection of Dr. Stoliczka). Hora and Mukherji, in *Visser's Karakorum*, 1 : 430, Pl. 4, fig. 3, 1935. Hora, *Mem. Conn. Acad. Sci.*, 10 : 310, 1936 (Tso-Mpriri Lake).

*Triplophysa microps*, Menon, *Faun. India Pisces*, 4(1) : 210, Pl. 8, Fig. 4, 1987 (India : Ladakh and Lahul-Spiti).

*Distribution* : India : Jammu and Kashmir : Ladakh, Himachal Pradesh : Lahul and Spiti.

*Habitat* : Rivers, deeper portions and lakes.

*Size* : 6.8 cm SL.

### 282. *Triplophysa shehensis* Tilak

*Triplophysa shehensis* Tilak, *Bull. Zool. Surv. India.*, (In press), 1984. Menon, *Faun. India Pisces*, 4(1) : 212, Pl. 16, fig. 9, 1987, (India : Ladakh).

*Distribution* : Jammu and Kashmir : Ladakh.

*Habitat* : Rivers, deeper portions.

*Size* : 13.6 cm SL.

### 283. *Triplophysa stoliczkae* (Steindachner)

*Cobitis stoliczkae* Steindachner, *Verh. Zool. Bot. Ges. Wein.*, p. 793, Pl. 14, fig. 2, 1866 (Type-locality : Tsho Morarai (Tso Moriri), a lake in Rupshu Province, W. Tibet).

*Nemachilus stoliczkae*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 360, 1868. Hora, *Rec. Indian Mus.*, 24 : 78, 1922. Hora and Mukerji, *Visser's Karakorum*, 1 : 429, Pl. 4, fig. 4, 1935. Hora, *Mem. Conn. Acad.*, 10 : 306, 1936.

*Nemacheilus stoliczkae*, Day (in part), *Proc. Zool. Soc. Lond.*, 795. Day (in part), *Sci. Res. 2nd Yarkand Miss. Ichthyol.*, 14, Pl. 5, fig. 2, 1878. Day (in part), *Fish. India.*, 260, Pl. 45, fig. 10, 1878. Day (in part), *Faun. Brit. Ind. Fish.*, 1 : 235, Fig. 84, 1889.

*Triplophysa stoliczkae*, Menon, *Faun. India Pisces*, 4(1) : 213, Pl. 8, fig. 3, 1987 (India : Ladakh; China: Karakash Valley).

*Distribution* : India : Jammu and Kashmir : Ladakh (head waters of Indus); China : Karakash valley (head waters of Tarin river).

*Habitat* : Rivers, streams and standing waters.

*Size* : 12.0 cm SL.

### 284. *Triplophysa tenuicauda* (Steindachner)

*Cobitis tenuicauda* Steindachner, *Verh. Zool. Bot. Ges. Wien.*, 16 : 792, Pl. 17, fig. 3, 1866 (Type-locality : a small stream in Western Tibet).

*Nemachilus tenuicauda*, Gunther, *Cat. Fish. Brit. Mus.*, 7 : 357, 1868 (Ladakh). Hora, *Rec. Indian Mus.*, 24 : 79, 1922 (Leh). Hora and Mukherji, in *Visser's Karakorum*, 1 : 430, 1935. Hora, *Mem. Conn. Acad. Sci.*, 10 : 311, 1936.

*Triplophysa tenuicauda*, Menon, *Faun. India pisces*, 4(1) : 216, Pl. 8, fig. 5, 1987 (India : Ladakh)

*Distribution* : India : Jammu and Kashmir : Ladakh

*Habitat* : Hill streams.

*Size* : 6.0 cm SL.

### 285. *Triplophysa yasinensis* (Alcock)

*Nemacheilus rupicola*, Day (*nec* McClelland), *Proc. Zool. Lond.*, 759, 1876. Day (*nec* McClelland) *Sci. Res. 2nd Yarkand Miss. Ichthyol.*, 17, 1878.

*Nemachilus yasinensis* Alcock, *Rep. Nat. Hist. Res. Pamir, Bound. Comm.*, 38, Pl. 2, fig. 2, 2a, 1898 (Type locality : Yasin River).

*Nemachilus kashmirensis* Hora, *Rec. Indian Mus.*, 36 : 316, 1934 (Type-locality : Kashmir Valley).

*Triplophysa yasinensis*, Menon, *Faun. India Pisces*, 4(1) : 217, Pl. 8, fig. 1, 1987 (India : Ladakh).

*Distribution* : India : Jammu and Kashmir : Ladakh and Kashmir Valley. Pakistan : Yasin river.

*Habitat* : Lakes and rivers, deeper portions.

*Size* : 8.3 cm SL.

### Subfamily : BALITORINAE

Genus 56 : *Homaloptera* van Hasselt, emend van der Hoeven.

*Homaloptera* van Hasselt, *Alg. Konst. Letterbode*, 2 : 133, 1823 (Type, *Homaloptera ocellata* van der Hoeven).

### 286. *Homaloptera montana* Herre

*Homaloptera montana* Herre, *J. Washington. Biol. Soc.*, 20 : 399, 1945 (Type-locality Anamalai hills in Peninsular India). Hora, *Rec. Indian Mus.*, 48 : 54, 1950. Silas, *J. Bombay Nat. Hist. Soc.*, 49 : 979, 1951. Silas, *Rec. Indian Mus.* 50 : 198, 1952. Menon, *Faun. India Pisces.*, 4(1) : 226, Pl. 9, fig. 1, 1987 (Peninsular India : Kerala Western Ghats Anamalai Hills).

*Distribution* : Western Ghats Anamalai Hills.

*Habitat* : Torrential streams.

*Size* : 7.3 cm SL.

287. *Homaloptera pillai* Indra & Rema Devi

*Homaloptera pillai* Indra and Rema Devi, *Bull. Zool. Surv. India*, **4** (1) : 67, 1984 (River Kunthi, Silent Valley, Kerala).

*Distribution* : Kerala:Western Ghats : Silent Valley.

*Habitat* : Hill streams

*Size* : 7.5 cm. SL.

Genus 57 : *Balitora* Gray

*Balitora* Gray, *Ill. Ind. Zool.*, **1** : pl. 88, figs. 1, 2, 1832 (Type, *Balitora brucei* Gray)

288. *Balitora brucei* Gray

*Balitora brucei* Gray, *Ill. Ind. Zool.*, **1** : Pl. 88, fig. 1, 1832 (Type-locality : Mountain streams, India). McClelland, *Asiat. Res.*, **19** : 299, 428, Pl. 49, fig. 9, 1839. Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 101, 1846. Hora, *Rec. Indian Mus.*, **19** : 197, 1920. Hora, *Mem. Indian Mus.*, **12** : 291, Pl. 10, fig. 1, Pl. 11, fig. 5, Pl. 12, fig. 2, 1932. Silas, *Rec. Indian Mus.*, **50** : 206, 1952. Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 48, 1974. Menon, *Faun. India Fish.*, **4**(1) : 228, Pl. 9, figs. 3 and 4, 1987.

*Balitora maculata* Gray, *Ill. Ind. Zool.*, **1**, Pl. 88, figs. 2, 2a, 1832 (Type-locality : Mountain streams, India). Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18** : 102, 1846. Hora, *Rec. Indian Mus.*, **19** : 199, Pl. 11, fig. 1, 1920. Hora, *Mem. Indian Mus.*, **12** : 291, 1932. Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 49, 1974.

*Platy cara maculata*, McClelland, *Asiat. Res.*, **19** : 229, 427, Pl. 49, fig. 2, 1839 (from Gray and Hardwicke).

*Platy cara anisura* McClelland, *Calcutta Nat. Hist.*, **2** : 587, Pl. 68, 1842 (Type-locality : Kasyah mountains).

*Homaloptera brucei*, Day, *Proc. Zool. Soc. Lond.*, **348**, 1867. Day (in part), *Fish India*, p. 526, Pl. 122, fig. 1, 1877. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 243, fig. 85, 1889. Vinciguerra, *Ann. Mus. Stor. Nat. Genova*, **29** : 323, 1889. Vinciguerra, *Calcutta J. Nat. Hist.*, **2** : 323, 1889.

*Homaloptera maculata*, Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 243, 1889.

*Balitora brucei* var. *burmanicus* Hora, *Mem. Indian Mus.*, **12** : 291, 1932. Silas, *Rec. Indian Mus.*, **50** : 207, 1952.

*Balitora brucei* var. *melanosoma* Hora, *Mem. Indian Mus.*, **12** : 291, 1932. Silas, *Rec. Indian Mus.*, **50** : 207, 1952.

*Distribution* : India : Eastern Himalayas; Meghalaya: Khasi Hills; West Bengal : Darjeeling. Nepal : Gandak drainage.

*Habitat* : Torrential streams.

*Size* : 9.0 cm SL.

### 289. *Balitora mysorensis* Hora

*Balitora brucei* var. *mysorensis* Hora, *Rec. Indian Mus.*, **43** : 232, Pl. 8, fig. 4, 1941 (Type-locality : Sivasamudram, Mysore state, now Karnataka). Silas *Rec. Indian Mus.*, **50** : 206, 1952.

*Balitora mysorensis*, Menon, *Matsya*, **3** : 31, 1977. Menon, *Faun. India Pisces*, **4(1)** : 231, 1987 (India : Western Ghats : Cauvery and Thungabhadra River systems in Karnataka state).

*Distribution* : Western Ghats : Karnataka (Cauvery and Thungabhadra River Systems).

*Habitat* : Torrential streams.

*Size* : 5.0 cm SL.

### Genus 58 : *Bhavana* Hora

*Bhavana* Hora, *Rec. Indian Mus.*, **39** : 11, 1937 (Type, *Platycara australis* Jerdon = *Bhavana annandalei* Hora).

### 290. *Bhavana australis* (Jerdon)

*Platycara australis* Jerdon, *Madras J. Lit. Sci.*, **15** : 333, 1849 (Type-locality : Walliar, Nilgris).

*Homaloptera brucei*, Day (*nec* Gray) *Proc. Zool. Soc. Lond.*, 348, 1867, (Wyanad). Gunther (*nec* Gray), *Cat. Fish. Brit. Mus.*, **5** : 340, 1868 (Wyanad from Day's collection). Day (*nec* Gray), *J. Asiat. Soc. Beng.*, **41** : 28, 1868 (Wynaad).

*Homaloptera maculata*, Day (*nec* Gray), *Fish. India*, 256, Pl. 122, fig. 2, 1878 (Wyanad specimen figured). Day (*nec* Gray), *Faun. Brit. Ind. Fish.*, **1** : 243, 1889 (Wynaad). Jenkins (*nec* Gray), *Rec. Indian Mus.*, **3** : 28, 1909 (Tenmalai, Western Ghats). Pillai (*nec* Gray), *J. Bombay Nat. Hist. Soc.*, **33** : 356, 1929. John (*nec* Gray), *J. Bombay Nat. Hist. Soc.*, **38** : 110, 1936.

*Bhavana annandalei* Hora, *Rec. Indian Mus.*, **19** : 200, Pl. 10, figs 1 to 3, Pl. 11, figs. 5 to 7, 1920 (Travancore, Nilgiris and Malabar). Hora, *J. Bombay Nat. Hist. Soc.*, **39** : 11, Fig. 4, 1937 (Western Ghats Mysore).

*Bhavana australis*, Hora, *Rec. Indian Mus.*, **19** : 205, Pl. 10, figs. 4 to 6, Pl. 11, fig. 8, 1920. Hora, *Rec. Indian Mus.*, **43**: 225, Pl. 8, figs. 1 to 3, 1941. Hora and Law, *Rec. Indian Mus.*, **43**: 248, 1941. Ramaswami, *Proc. Zool. Soc. Lond.*, **118**: 515, 1948. Law, *Rec. Indian Mus.*, **48** : 76, Pl. 3, fig. 4, 1950. Silas, *J. Bombay nat. Hist. Soc.*, 50(2) : 330, 1951. Silas *Rec. Indian Mus.*, **50** : 184, 1952, (Mysore, Nilgiris and Travancore). Menon, *Faun. India Pisces*, **4(1)**: 234, Pl.9, figs. 5 and 6, 1987.

**Distribution** : Western Ghats : Karnataka, Mysore District; Tamil Nadu: Nilgiris; Kerala : Silent Valley, Tenmalai and Wynaad.

**Habitat** : Torrential streams.

**Size** : 9.0 cm SL.

#### Genus 59 *Travancoria* Hora

*Travancoria* Hora, *Rec. Indian Mus.*, **43**: 228, 1941 (Type, *Travancoria jonesi* Hora).

##### 291. *Travancoria elongata* Pethiyagoda & Kottelat

*Travancoria elongata* Pethiyagoda and Kottelat, *J. South Asian nat. Hist.*, **1** No. 1, 104, 1994 (Type locality : upstream of Chalakudy River)

**Distribution** : India : Kerala : Western Ghats : upper reaches of Chalakudy River.

**Habitat** : Torrential streams.

**Size** : 11.4 cm T.L.

##### 292. *Travancoria jonesi* Hora

*Travancoria jonesi* Hora, *Rec. Indian Mus.*, **43**: 230, Pl. 8, figs. 5 to 9, 1941, (Type-locality : Stream within a radius of 5 miles from Pampadampara, Peerumedu, Kerala). Hora and Law, *Rec. Indian Mus.*, **43**: 249, 1941 Hora and Law, *J. Asiat. Soc. Beng.*, **8**: 39, 1942. Silas, *Rec. Indian Mus.*, **50**: 204, 1952 (High Ranges, N. Travancore, Anamalai Hills). Menon, *Faun. India Pisces*, **4(1)**: 238, Pl. 9, figs. 7 and 8, 1987 (India Western Ghats Kerala High ranges and Anamalai Hills).

**Distribution**: India : Western Ghats: Kerala: High ranges and Anamalai Hills.

**Habitat** : Torrential streams.

**Size** : 8.4 cm SL.

## ORDER V ; SILURIFORMES

Family : BAGRIDAE

Genus 60 *Rita* Bleeker

*Rita* Bleeker, *Ichth. Arch. Ind. Prodr. 1, Siburi*, p. 60, 1858 (Type, *Pimelodus rita* Ham. = *Rita Puchanani* Bleeker).

293. *Rita chrysea* Day

*Rita chrysea* Day, *Fish India*, p. 455, 1877 (Type-locality : Orissa). Day, *Faun. Brit. Ind. Fish.*, 1: 167, 1889. D'Abrue, *Rec. Nagpur Mus.*, 9: 41, 1936 (Mahanadi river). Jayaram, *Int. Revue ges. Hydrobiol.*, 51(3): 435, 1966. Misra, *Faun. India Pisces*, 3: 113, 1976 (Mahanadi, Orissa). Jayaram, *Rec. Zool. Surv. India*, 8: 14, 1977 (Mahanadi and its tributaries). Jayaram, *HBFW Fish. India*, p. 190, 1981 (Rivers of Deccan upto Krishna river). Talwar and Jhingran, *Inland Fish.*, 2: 576, 1991 (Mahanadi river system).

**Distribution :** Mahanadi river system in Orissa and Madhya Pradesh.

**Habitat :** Rivers and large streams.

**Size :** 19.5 cm TL.

294. *Rita kuturnee* (Sykes)

*Phractocephalus kuturnee* Sykes, *Proc. Zool. Soc. Lond.*, 164, 1839 (Type-locality: River Bhima, Pairgaon). Sykes, *Trans. Zool. Soc. Lond.*, 2: 372, Pl. 65, fig.3, 1841.

*Arius hastatus* Valenciennes, *Jacq. Voy. Ind. Ori. Atl. Poiss.*, 2, Pl. 18, fig. 2, 1832. Valenciennes, *Hist. Nat. Poiss.*, 15: 97, 1864.

*Arius pumilus* Valenciennes, in *Jacq. Voy. Ind. Ori. Atl. Poiss.*, 2, Pl. 18, fig. 1, 1832 (Young). *Bagrus kuturnee*, Jerdon, *Madras J. Lit. Sci.*, 15 : 340, 1849.

*Rita hastata*, Gunther, *Cat. Fish. Brit. Mus.*, 5: 93, 1864. Day, *Fish. India*, p. 456, Pl. 103, fig. 4, 1877 (Deccan Poona, Tungabhadra and Krishna rivers). Day *Faun. Brit. Ind. Fish.*, 1: 168, 1889. D'Abrue, *Rec. Nagpur Mus.*, 9: 42, 1936 (Nagpur market). Hora and Misra, *J. Bombay nat. Hist. Soc.*, 43: 222, 1942 (Poona).

*Rita kuturnee*, Gunther, *Cat. Fish. Brit. Mus.*, 5: 93, 1864. Misra, *Faun. India Pisces*, 3: 114, 1976 (Karnataka and Maharashtra. Madhya Pradesh excluded). Jayaram, *Rec. Zool. Surv. India*, 8: 15, 1977 (Andhra, Karnataka and Maharashtra. Burma excluded). Jayaram, *HBFW Fish. India.*, p. 190, 1981 (Krishna and Godavary river systems. Irrawaddy excluded).

**Distribution :** Peninsular India : Deccan rivers up to Krishna system.

**Habitat :** Large rivers, in freshwaters.

**Size :** 30.0 cm TL.

295. *Rita pavimentata* (Valenciennes)

*Arius pavimentatus* Valenciennes, *Jacq. Voy. Ind. Ori. Atl. Poiss.*, 2, Pl. 17, fig.2, 1832 (Type-locality : India).

*Phractocephalus gogra* Sykes, *Proc. Zool. Soc. Lond.*, p. 164, 1839. Sykes, *Trans. Zool. Soc. Lond.*, 2: 374, Pl. 66, fig. 1, 1841 (Type-locality : Bhima river and Mutha-Mula river at Poona).

*Rita pavimentata*, Gunther, *Cat. Fish. Brit. Mus.*, 5: 93, 1864. Day, *Fish. India*, p. 455, Pl. 103. fig. 3, 1877 (from Poona and the rivers in the Deccan and affluents of the Kistna). Day, *Faun. Brit. Ind. Fish.*, 1: 167, 1889. D'Abrue, *Rec. Nagpur Mus.*, 9: 41, 1936 (the Nerbudda and Godavary rivers). Hora and Misra, *J. Bombay nat. Hist. Soc.*, 43: 222, 1942 (Poona). Misra, *Faun. India Pisces*, 3: 116, 1976. Talwar and Jhingran, *Inland Fish.*, 2: 577, 1991 (Deccan upto Krishna).

*Gogrius sykesii* Day, *Proc. Zool. Soc. Lond.*, p. 563, 1867 (Type-locality : Kurnool).

*Rita gogra*, Jayaram, *Int. Revue ges. Hydrobiol.*, 51(3): 436, 1966. Jayaram, *Rec. Zool. Surv. India Occ. Publ.*, No. 8: 14, 1977 (Deccan upto Krishna river). Jayaram *HBFW Fish. India*, p. 190, 1981 (Deccan upto Krishna).

**Distribution :** Rivers of Deccan upto Krishna river system.

**Habitat :** Large rivers, in freshwaters.

**Size :** 26.0 cm TL.

296. *Rita rita* (Hamilton)

*Pimelodus rita* Hamilton, *Fish. Ganges*, pp. 165, 376, Pl. 104, fig. 3, 1822 (Type-locality : Estuaries of Bengal).

*Arius ritoides* Valenciennes, *Hist. Nat. Poiss.*, 15: 92, 1840.

*Rita crucigera* (Owen) Gunther, *Cat. Fish. Brit. Mus.*, 5: 92, 1864 (Type-locality : Bengal).

*Rita buechanani* Day, *Fish. India*, p. 454, Pl. 103, fig. 1 (Semi-adult) fig. 2 (immature), Pl. 104, fig. 2 (Young), 1877 (Indus and affluent rivers, Jumna and Ganges, also the Irrawaddy). Day, *Faun. Brit. Ind. Fish.*, 1: 165, 1889.

*Rita ritoides*, Vinciguerra, *Bescid. Birmania*, p. 107, 1890 (Rangoon).

*Rita rita*, Hora, *Rec. Indian Mus.*, 22: 29, 1921 (Ravi river, near Lahore). Menon., *Inland Fish. Soc. India, Spl. Publ.*, No. 1 : 63, 1974 (India and the affluent rivers, Jumna, Ganges and Irrawaddy). Misra, *Faun. India Pisces.*, 3: 118, 1976 (India, Pakistan, Bangladesh, Burma). Jayaram, *Rec. Zool. Surv. India*, 8: 15, 1977 (Northern India, Bangladesh, Burma). Jayaram, *HBFW Fish. India*, p. 190, 1991 (Rivers of Northern India, Pakistan, Bangladesh, Nepal, Burma. Yunnan excluded). Talwar and Jhingran, *Inland Fish.*, 2: 578, fig. 192, 1992 (Afghanistan, Pakistan, Northern India, Nepal, Bangladesh, Burma).

**Distribution :** India: Northern India. Afghanistan (Kabul river and Khyber pass). Pakistan. Nepal. Bangladesh and Burma.

**Habitat :** Rivers, in fresh and tidal waters.

**Size :** 150.0 cm TL.

**Status :** Vulnerable.

#### Genus 61 : *Mystus* Scopoli

*Mystus* Gronov, *Zoophyl. Gronov. Animal.*, p. 124, 1763 (Type, *Silurus pelusius* Solander = *Bagrus halepensis* Valenciennes; the eligibility of the generic names of Gronov is questioned as not conforming to the Linnaean Code in the terminology of species; inadmissible according to opinion 89 of the International Commission of Zoological nomenclature).

*Mystus* Scopoli, *Introd. Nat. Hist.*, p. 451, 1777 (Type, *Bagrus halepensis* Valenciennes = *Mystus pelusius* (Solander)).

*Macrones* (nec Newman, 1841) Dumeril, *Mem. Acad. Sci. Paris.*, 27: 484, 1856 (Type, *Bagrus lamarii.*, Orthotypic).

*Hemibagrus* Bleeker, *Atl. Ichth. Ind. Ori. Neerl.*, 2: 9, 1862 (Type, *Bagrus nemurus* V., Orthotypic).

*Aspidobagrus* Bleeker, *Atl. Ichth. Ind. Ori. Neerl.*, 2: 9, 1862 (Type, *Bagrus gulo* Hamilton, Orthotypic).

*Hypselobagrus* Bleeker, *Atl. Ichth. Ind. Ori. Neerl.*, 2: 10, 1862 (Type, *Bagrus macronema* Blkr., Orthotypic).

*Aoria* Jordan, *Proc. Acad. nat. Sci. Philad.*, 70: 341, 1919 (Type, *Bagrus lamarii* V., Orthotypic; name preoccupied in Coleoptera, inadmissible).

*Brachymystus* Fowler, *Proc. Acad. Nat. Sci. Philad.*, **89**: 148, 1937 (Type, *Bagrus nemurus* V., Orthotypic).

*Sperata* Holly, *Zool. Anz.*, **125**: 43, 1939 (Type, *Silurus vittatus* Blkr.).

*Macronichthys* White and Thomas, *Ann. Mag. Nat. Hist.*, **5**: 505, 1940 (Type, *Bagrus lamarii* V.).

*Osteobagrus* Jayaram, *Rec. Ind. Mus.*, **51**: 529 - 548, 1954 (Type, *Pimelodus aor* Hamilton, Orthotypic).

*Mystus*, Jayaram, *Proc. First All-India Congr. Zool.*, Part 2, p. 633, 1959. *Int. Revue ges. Hydrobiol.*, **51**(3): 444, 1966. Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 8: 21, 1977.

### 297. *Mystus armatus* (Day)

*Hypselobagrus armatus* Day, *Proc. Zool. Soc. Lond.*, p. 289, 1865 (Type-locality : Cochin, Malabar). Day, *Fish. Malabar*, p. 187, 1865.

*Macrones armatus*, Day, *Fish. India*, p. 450, Pl. 101, fig. 3, 1877 (Malabar and Wynaad range of hills). Day, *Faun. Brit. Ind. Fish.*, **1**: 161, 1889.

*Aoria armatus*, Hora, *Rec. Indian, Mus.*, **32**: 1, 1931 (Kyenlong river, Mergui district, Lower Burma).

*Mystus (Mystus) armatus*, Jayaram, *Rec. Indian Mus.*, **51**: 539, fig. 5, 1954 (Specimen from Burma recorded). Misra, *Faun. India Pisces*, **3**: 84, 1976.

*Mystus armatus*, Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 8 : 28, 1977. Talwar and Jhingran, *Inland Fish*: **2**: 557, 1991.

**Distribution** : Peninsular India : Kerala : Wynaad hill ranges. Record from Burma needs confirmation.

**Habitat** : Fresh and brackish waters.

**Size** : 14.5 cm TL.

### 298. *Mystus bleekeri* (Day)

*Bagrus keletius (nec Valenciennes)* Bleeker, *Nat. Gen. Arch. Ned. India.*, **3**(2): 135, 1846 (Type-locality Bengal). Bleeker, (*nec Valenciennes*), *Verh. Bat. Gen.*, **25**: 115, 1853 (Bengal).

*Macrones keletius*, Gunther (*nec Valenciennes*), *Cat. Fish. Brit. Mus.*, **5**: 84, 1864 (Hooghly).

*Macrones bleekeri* Day, *Fish. India*, p. 451, Pl. 101, fig. 1, 1877 (Type-locality : Sind, Jumna, upperwaters of Ganges and Burma). Day, *Faun. Brit. Ind. Fish.*, 1: 162, 1889. Vinciguerra, *Ann. Mus. Stor. Nat. Genova*, 9(2): 219 (Mandalay). Hora, *Rec. Indian Mus.*; 22(1): 166-167, 169, 1922 (Manipur).

*Macrones bleekeri burmanicus* Jenkins, *Rec. Indian Mus.*, 5: 138, 1910 (Bhamo, Upper Burma).

*Aoria bleekeri*, Hora and Mukherji, *Rec. Indian Mus.*, 36(3): 124, as *Macrones bleekeri* p. 125, 1934 (Pegu, Yomas).

*Mystus bleekeri*, Hora and Mukherji, *Rec. Indian Mus.*, 36(3): 355, 1934 (Namme Haai stream, Kengting state-Shan State, Burma). Hora and Mukherji, *Rec. Indian Mus.*, 37: 385, 1935 (Naga Hills). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 91, fig. 89, 1937 (Terai and Duars, North Bengal). Talwar and Jhingran, *Inland Fish.*, 2: 558, 1991 (Pakistan, N. India, Bangladesh, Nepal and Burma. Sumatra excluded).

*Mystus (Mystus) bleekeri*, Jayaram, *Rec. Indian Mus.*, 51(4): 530, fig. 1, 1954 (Sind, Jamuna, upperwaters of Ganges, Assam, Burma. Sumatra excluded).

*Distribution* : Northern India: Southern limit upto Mahanadi river. Pakistan. Nepal. Bangladesh and Burma.

*Habitat* : Upper reaches of rivers.

*Size* : 13.5 cm TL.

#### 299. *Mystus cavasius* (Hamilton)

*Pimelodus cavasius* Hamilton, *Fish. Ganges*, pp. 203, 379, Pl. 11, fig. 67, 1822 (Type-locality : Gangetic Provinces).

*Pimelodus seengfee* Sykes, *Trans. Zool. Soc. Lond.*, 2: 374, Pl. 66, fig. 2, 1841 (Type-locality : river at Pairgaon).

*Hypselobagrus macronema* Bleeker, *Ned. Tijds. Dierk.*, 2: 175, 1865 (Type-locality Siam).

*Macrones cavasius*, Day, *Fish. India*, p. 447, Pl. 100, fig. 1, 1877 (From Sind throughout India, Assam and Burma). Day, *Faun. Brit. Ind. Fish.*, 1: 155, 1889. Vinciguerra, *Ann. Mus. Stor. nat. Genova*, 9: 28, Pl. 2. 1890 (Rangoon, Mandalay, Bhamo). Jenkins, *Rec. Indian Mus.*, 3: 287, 1908 (Baraker, Hazaribagh Dist., Bihar). Jenkins, *Rec. Indian Mus.*, 5: 137, 140, 1910 (Mandalay; Monghyr). Chaudhuri, *Rec. Indian Mus.*, 6: 20, 1911 (Bhamo, Upper Burma). Chaudhuri, *Mem. Indian Mus.*, 5: 434, 1916 (Barkul, Chilka lake. Orissa). Raj., *Rec. Indian Mus.*, 12: 264, 1916 (Madras).

*Aoria cavasius*, Prashad and Mukerji, *Rec. Indian Mus.*, **31**: 179, 1929 (Myitkyina Dist.). D'Abrue, *Rec. Nagpur Mus.*, **9**: 39, 1936 (Nerbudda and Mahanady Rivers, Nagpur).

*Mystus rhegma* Fowler *Proc. Acad. nat. Sci. Philad.*, **887**: 102, fig. 27, 1935 (Type-locality : South Chiengmai, Chiengsen).

*Mystus cavasius* Hora, *Rec. Indian Mus.*, **38**: 1, 1936 (Chitraldrug, Mysore). Hora, *Rec. Indian Mus.*, **40**: 178, 1938 (Sankrigali Ghat, Santal Parganas). Misra, *Rec. Indian Mus.*, **40**: 256, 1938. Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40**: 23, 1938 (Deolali). Hora, *Rec. Indian Mus.*, **42**: 366, 368, 370, 1940 (Mahanadi River, Raipur Dist., M.P.). Hora and Nair, *Rec. Indian Mus.*, **43**: 369, 1941 (Sandia on Nerbudda river, Hoshangabad Dist., M.P.). Hora and Law, *Rec. Indian Mus.*, **43**: 238, 254, 1941 (Travancore). Hora and Misra, *J. Bombay Nat. Hist. Soc.*, **42**: 221, 1941 (Poona). Hora, *J. Zool. Soc. India*, **1**: 2, 1949 (Rihand river, Mirzapur Dist., U.P.). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **8**: 29, 1977. Jayaram, *HBFW Fish. India*, p. 199, 1981. Talwar and Jhingran, *Inland, Fish.*, **2**: 559, 1991 (Pakistan, India, Nepal, Bangladesh, Burma and Thailand. Sri Lanka excluded).

*Mystus (Mystus) cavasius*, Jayaram, *Rec. Indian Mus.*, **51**: 532, 1954. Misra, *Faun. India Pisces*, **3**: 87, 1976 (India, Pakistan, Burma, Thailand).

*Distribution* : India. Pakistan. Nepal. Bangladesh. Burma. Malaya. Thailand. Java. Borneo. Sumatra.

*Habitat* : Fresh water, tidal rivers and tidal lakes.

*Size* : 46.0 cm TL., weighing 10 kg.

### 300. *Mystus gulio* (Hamilton)

*Pimelodus gulio* Hamilton, *Fish. Ganges*, pp. 201, 379, Pl. 23, fig. 66, 1822 (Type-locality : Higher parts of Gangetic estuaries).

*Macrones/gulio*, Day, *Fish. India*, p. 445, Pl. 99, fig. 2, 1877 (Seas, estuaries and tidal waters from Sind, Bombay, through India and Burma to the Malay Archipelago). Day, *Faun. Brit. Ind. Fish.*, **1**: 151, fig. 64, 1889. Vinciguerra, *Ann. Mus. Stor. nat. Genova*, **9**: 229, Pl. 2, 1890 (Rangoon). Chaudhuri, *Mem. Indian Mus.*, **5**: 434, 1916 (Chilka Lake). Pillay, *J. Bombay nat. Hist. Soc.*, **33**: p. 358, 1929 (Trivandrum). Munro, *Mar. Freshwater Fish. Ceylon*, p. 55, 1955 (Estuaries, moving into freshwater river).

*Aoria gulio*, Prashad and Mukerji, *Rec. Indian Mus.*, **31**: 179, 1929 (Indawgyi Lake). Deraniyagala, *Spolia Zeyl.*, **16**: 285, 1932 (Ceylon).

*Mystus gulio*, Hora, *Rec. Indian Mus.*, **41**: 111, 1939 (Maungmagan, Tavoy Dist., Lower Burma). Hora and Law, *Rec. Indian Mus.*, **43**: 255, 1941 (Travancore). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43**: 222, 1941 (Poona). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **8**: 30, 1977. Jayaram, *HBFW Fish. India*, p. 200, 1981. Talwar and Jhingran, *Inland Fish.*, **2**: 560, 1991 (Pakistan, India, Sri Lanka, Nepal, Bangladesh, Burma and Thailand). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 147, 1991 (Coastal plains around the island).

*Mystus (Mystus) gulio*, Jayaram, *Rec. Indian Mus.*, **51**: 543, 1954 (from Sind, India, Burma through Malay - Archipelago and Ceylon as also Sumatra and Siam). Misra, *Faun. India Pisces*, **3**:90, 1976 (India, Pakistan, Bangladesh, Burma, Sri Lanka, Malayasia, Indonesia and beyond Indian Region).

*Distribution* : India. Pakistan. Nepal. Bangladesh. Burma. Sri Lanka. Malaya. Thailand. Java. Sumatra. Borneo.

*Habitat* : Estuaries, tidal rivers and lakes ascending to freshwaters and entering the sea.

*Size* : 46.0 cm TL.

### 301. *Mystus keletius* (Valenciennes)

*Bagrus keletius* Valenciennes, *Hist. Nat. Poiss.*, **14**: 411, 1839 (Type-locality : Pondicherry, S.India). Jerdon, *Madras, J. lit. Sci.*, **15**: 337, 1849.

*Macrones keletius*, Day, *Fish. India*, p. 449, 1877 (Madras to Pondicherry and Inland to Coimbatore, Mysore, and Ceylon). Day, *Faun. Brit. Ind. Fish.*, **1**: 160, 1889. Raj, *Rec. Indian. Mus.*, **12**: 265, 1916. Munro, *Mar. Freshwater Fish. Ceylon*, p. 55, 1955 (in freshwater rivers and streams).

*Aoria keletius*, Deraniyagala, *Spolia Zeyl.*, **16**: 284 (Ceylon).

*Mystus keletius*, Hora, *Rec. Indian Mus.*, **44**: 197, 1942. Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. **8**: 31, 1977. Jayaram, *HBFW Fish. India*, p. 202, 1981. (Tamil Nadu, Karnataka, Sri Lanka. Kerala excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 562, 1991 (Tamil Nadu, Karnataka, Sri Lanka. Western Ghats of Kerala excluded). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 149, 1991 (Widely distributed in the island).

*Mystus (Mystus) keletius*, Jayaram, *Rec. Indian. Mus.*, **51**: 540, 1954. Misra, *Faun. India, Pisces*, **3**: 92, 1976.

*Distribution* : Peninsular India Tamil Nadu, Karnataka. Sri Lanka.

*Habitat* : Slow moving rivers, tanks and ponds in the plains. Commonly in muddy pools and tanks.

Size : 12.5 cm TL.

302. *Mystus krishnensis* Ramakrishniah

*Mystus krishnensis* Ramakrishniah, *Matsya*, 12-13: 139, 1987 (Type-locality Nagarjunasagar reservoir, Krishna river system, Andhra Pradesh). Talwar and Jhingran, *Inland Fish.*, 2: 563, 1991 (Krishna river and its tributaries).

**Distribution** : Peninsular India: Andhra Pradesh: Nagarjunasagar (Krishna river); Karnataka: Thungabhadra river and reservoir.

**Habitat** : Rivers and reservoirs.

Size : 116.0 cm TL., weighing 58 kg.

303. *Mystus malabaricus* (Jerdon)

*Bagrus malabaricus* Jerdon, *Madras J. Lit Sci.*, 15: 338, 1849 (Type-locality: Mountain streams in Malabar).

*Hara malabarica*, Day, *Proc. Zool. Soc. Lond.*, p. 524, 1869.

*Macrones malabaricus*, Day, *Fish. India*, p. 450, Pl. 101. fig. 2., 1877 (Malabar coast, Wynaad, South Canara). Day, *Faun. Brit. Ind. Fish.*, 1: 160, 1889. Pillay, *J. Bombay nat. Hist. Soc.*, 33: 359, 1929 (Quilon). John, *J. Bombay nat. Hist. Soc.*, 38: 706, 709, 1936. Hora, *Rec. Indian Mus.*, 39: 19, 1937 (Cauvery river, Coorg, Mysore).

*Mystus malabaricus*, Hora and Law, *Rec. Indian. Mus.*, 43: 254, 255, fig. 3, 1941 (Travancore). Hora, *Rec. Indian. Mus.*, 44: 197, 1942 (Mysore). Misra, *Faun. India, Pisces*, 3: 93, 1976. Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No. 8: 32, 1977. Jayaram, *HBFW Fish. India.*, p. 203, 1981. Talwar and Jhingran, *Inland Fish.*, 2: 564, 1991 (Western Ghats).

*Mystus (Mystus) malabaricus*, Jayaram, *Rec. Indian Mus*, 51: 544, 1954 (Malabar, Wynaad, Travancore, Ratnagiri, Poona). Misra, *Faun. India Pisces*, 3: 93, 1976 (Maharashtra, Karnataka and Kerala).

*Mystus maydelli* Rossel, *Mitt. Hamburg. Zool. Mus. Inst.*, 61: 149, 1964 (Type-locality : Wadgoan, Bhima R.)

**Distribution** : Peninsular India Western Ghats of Kerala, Karnataka and Maharashtra.

**Habitat** : Freshwater and estuaries.

Size : 15.0 cm TL.

304. *Mystus menoda* (Hamilton)

*Pimelodus menoda* Hamilton, *Fish. Ganges*, pp. 203, 379, Pl. 1, fig. 72, 1822 (Erroneously given as *Mugil corsula* in the text : Type-locality : Kosi river and R. Mahananda).

*Bagrus corsula* Valenciennes, *Hist. Nat. Poiss.*, 14: 419, 1839 (Type-locality: Bengal).

*Bagrus trachacanthus* Valenciennes, *Hist. Nat. Poiss.*, 14: 419, 1839 (Type-locality: Bengal). Gunther, *Cat. Fish. Brit. Mus.*, 5: 75, 1864.

*Macrones corsula*, Day, *Fish. India*, p. 446, Pl. 100 fig. 5, 1877 (from Orissa through Bengal and Assam).

*Macrones menoda*, Day, *Faun. Brit. Ind. Fish.*, 1: 153, 1889. Vinciguerra, *Ann. Mus. Store. Nat. Genova*, 9: 223, 1890 (Mandalay, Bhamo).

*Macrones menoda* Var. *trachacanthus*, Chaudhuri, *Rec. Indian Mus.*, 7: 210, 1912.

*Mystus menoda*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 91, Pl. 2, fig. 2, 1937 (Siliguri Bazaar). Hora, *Rec. Indian. Mus.*, 46: 72, 1949 (Orissa, Bihar, Bengal, Assam). Talwar and Jhingran, *Inland Fish.*, 2: 565, 1991 (Assam, West Bengal, Bihar, Orissa, Maharashtra, Nepal, Bangladesh, Burma).

*Mystus (Mystus) menoda*, Jayaram, *Rec. Indian Mus.*, 51: 564, 1954 (Orissa, Bengal, Assam, Burma). Misra, *Faun. India Pisces*, 3: 95, 1976 (Maharashtra, Orissa, Bihar, West Bengal, Assam, Bangladesh, Nepal, Burma).

*Mystus (Mystus) menoda trachacanthus*, Jayaram, *Rec. Indian. Mus.*, 51(4): 546, 1954 (Bombay and Bengal).

*Mystus menoda menoda*, Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.8: 33, 1977. Jayaram, *HBFW Fish. India*, p.201, 1981 (Orissa, West Bengal, Assam, Bangladesh, Burma).

*Mystus menoda trachacanthus*, Jayaram, *HBFW Fish. India*, p. 196, 1981 (Bombay and West Bengal).

**Distribution** : India: Maharashtra, Orissa, Bihar, West Bengal, Assam. Nepal. Bangladesh and Burma.

**Habitat** : Rivers and ponds in the plains and submontaine regions.

**Size** : 45.0 cm TL.

305. *Mystus montanus* (Jerdon)

*Bagrus montanus* Jerdon, *Madrass J. Lit. Sci.*, 15: 337, 1849 (Type-locality : Manantoddy, Wynaad).

*Macrones montanus*, Day, *Fish. India*, p. 449, Pl. 101, fig. 4, 1877 (Wynaad range of hills and Manantoddy). Day, *Faun. Brit. Ind. Fish.*, 1: 159, 1889. Pillay, *J. Bombay nat. Hist. Soc.*, 33: 358, 1929.

*Macrones montanus* Var. *dibrugarensis* Chaudhuri, *Rec. Indian Mus.*, 8: 254, Pl. 9, fig. 2, 2a, 2b, 1913 (Type-locality : Dibrugarh, Assam). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.8: 34, 1977.

*Mystus montanus*, Hora, *Rec. Indian Mus.*, 39: 19, 1937. Hora and Law, *Rec. Indian Mus.*, 43: 254, 255, 1941. Hora, *Rec. Indian Mus.*, 44: 197, 1942. Jayaram, *Rec. zool. Surv. India, Occ. Pap.*, No.8: 34, 1977 (Kerala State, Wynaad; Madhya Pradesh).

*Mystus (Mystus) montanus*, Jayaram, *Rec. Indian Mus.*, 51: 542, 1954. Misra, *Faun. India Pisces*, 3: 97, 1976.

*Mystus (Mystus) montanus* Var. *dibrugarensis*, Jayaram, *Rec. Indian Mus.*, 51(4): 542, 1954 (Dibrugarh).

*Mystus (Mystus) vittatus dibrugarensis* Misra, *Faun. India Pisces*, 3: 107, 1976 (Dibrugarh, Assam). Talwar and Jhingran, *Inland Fish.*, 2: 567, 1991 (Wynaad, Karnataka, Maharashtra, Madhya Pradesh, Assam).

*Distribution* : India : Kerala: Wynaad range of hills; Karnataka; Maharashtra; Madhya Pradesh and Assam.

*Habitat* : Freshwaters and estuaries.

*Size* : 15.0 cm TL.

### 306. *Mystus oculatus* (Valenciennes)

*Bagrus oculatus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 14: 424, 1839 (Type-locality : Malabar). Jerdon, *Madras, J. Lit. Sci.*, 15: 39, 1849 (Palghat).

*Macrones oculatus*, Day, *Fish. India*, p. 448, Pl. 98, fig. 4, 1877 (Malabar coast and Coimbatore Dist.). Beavan, *HBFW Fish. India*, p. 140, 1877 (Southern India). Day, *Faun. Brit. Ind. Fish.*, 1: 156, 1889 (Malabar coast and Coimbatore Dist.) Pillay, *J. Bombay nat. Hist. Soc.*, 33: 358, 1929 (Alleppy, Travancore). John, *J. Bombay nat. Hist. Soc.*, 38: 706, 709, 1936. Hora and Law, *Rec. Indian Mus.*, 43: 238, 1941 (Travancore). Hora, *Rec. Indian Mus.*, 44: 197, 1942. Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.8: 35, 1977 (Kerala and Tamil nadu). Jayaram, *HBFW Fish. India*, p. 197, 1981 (Kerala, Tamil Nadu). Talwar and Jhingran, *Inland Fish.*, 2: 568, 1991 (Kerala, Tamil Nadu).

*Mystus (Mystus) oculatus*, Jayaram, *Rec. Indian Mus.*, 51(4): 540, 1954 (Malabar coast and Coimbatore Dist.). Misra, *Faun. India Pisces*, 3: 98, 1976 (Kerala and Coimbatore Dist.).

*Distribution* : Kerala and Tamil Nadu (Coimbatore Dist.).

*Habitat* : Rivers in the plains and estuaries.

*Size* : 15.0 cm TL.

### 307. *Mystus punctatus* (Jerdon)

*Bagrus punctatus* Jerdon, *Madras J. Lit. Sci.*, **15**: 339, 1849 (Type-locality: Cauvery River, Western Ghats).

*Macrones punctatus*, Day, *Fish. India*, p. 445, Pl. 100, fig. 3, 1877 (Bowany river at base of Neilgherry hills). Beavan *HBFW Fish. India*, p. 139, 1877 (Madras). Day, *Faun. Brit. Ind. Fish.*, **1**: 153, 1889. Hora, *Rec. Indian Mus.*, **39**: 19, 1937 (Coorg). Hora, *Rec. Indian Mus.*, **44**: 197, 1942 (Mysore). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, No.8: 36, 1977 (Nilgiris, Karnataka, Kerala). Jayaram, *HBFW Fish. India*, p. 201, 1981 (Bowany river, Nilgiris, Karnataka, Kerala). Jayaram, *Rec. Zool. Surv. India, Occ. Pap.*, no. 36: 87, 1982 (Cauvery river). Talwar and Jhingran, *Inland Fish.*, **2**: 570, 1991 (Nilgiri hills and the Western Ghats).

*Mystus (Mystus) punctatus*, Jayaram, *Rec. Indian Mus.*, **51**: 547, 1954 (Nilgiris, Mysore, Kerala). Misra, *Faun. India Pisces*, **3**: 102, 1976 (Bombay, Maharashtra, Kerala, the Cauvery, Bowany, Coorg, Nilgiris, Mysore).

*Mystus maydelli* (nec Russel), David *et al.*, *Bull. Cent. Inland Fish. Res. Inst. Barrackpore*, **13** : 68, 1969.

*Distribution* : Western Ghats : Kerala, Tamil Nadu (Nilgiris) and Karnataka.

*Habitat* : Rapid rivers and streams.

*Size* : 45.0 cm TL.

### 308. *Mystus tengara* (Hamilton)

*Pimelodus tengara* Hamilton, *Fish. Ganges*, pp. 183, 377, Pl. 23, fig. 60, 1822 (Type-locality : Northern parts of Bengal; given erroneously as *Pimelodus batasius* in the legend).

*Macrones tengara* Day, *Fish. India*, p. 447, Pl. 101, fig. 5, 1877 (N. India, Punjab, Assam). Day, *Faun. Brit. Ind. Fish.*, **1**: 156, 1889. Chaudhuri, *Rec. Indian Mus.*, **8**: 255, 1913 (Kabo, Dibrugarh).

*Mystus tengara*, Hora, *Rec. Indian. Mus.*, **42**: 367, 1940 (Mahanadi, Raipur, M.P.). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No8: 37, 1977. Jayaram, *HBFW Fish. India*, p. 199, 1981 Talwar and Jhingran, *Inland Fish.*, **2**: 571, 1991 (Pakistan, Northern India, Nepal, Bangladesh).

*Pimelodus carcio* (nec Hamilton) Hora, *Mem. Indian Mus.*, **9**: 187, 1929.

*Mystus (Mystus) tengara*, Jayaram, *Rec. Indian Mus.*, **51**: 538, 1954. Misra, *Faun. India Pisces*, **3**: 104, 1976 (Punjab, U.P., Bihar, W Bengal, Assam, the Mahanadi, Raipur, M.P., Pakistan, Bangladesh).

*Distribution* : India: Northern India. Nepal. Bangladesh. Pakistan: Indus Plain and adjoining areas.

*Habitat* : Rivers, ponds and tanks in the plains and submontaine regions.

*Size* : 18.0 cm TL.

### 309. *Mystus vittatus* (Bloch)

*Silurus vittatus* Bloch, *Ichth. Hist. Nat.*, **11**: 40, Pl. 371, fig.2, 1797 (Type-locality: Tranquebar, S. India).

*Pimelodus carcio*, Hamilton, *Fish. Ganges*, pp. 181, 377, Pl.3, fig. 67 (Erroneously given as *P. tengara* in the legend; Type-locality : Ponds in parts of Bengal).

*Bagrus vittatus*, Jerdon, *Madras, J. Lit. Sci.*, **15**: 338, 1849 (Madras).

*Macrones vittatus*, Vinciguerra, *pesci di Birmania Genova*, p. 93, 1890 (Mandalay, Tenasserim). Jenkins, *Rec. Indian. Mus.*, **3**: 289, 1909 (Shasthancottah Lake, Kerala). Raj, *Rec. Indian. Mus.*, **12**: 250, 1916 (Madras). Pillay, *J. Bombay nat. Hist. Soc.*, **33**: 358, 1929 (Shasthancotta, Travancore). Munro, *Mar. Freshwater Fish. Ceylon*, p. 55, 1955 (Freshwater ponds and streams upto 3000 ft.).

*Macrones marianensis* Chaudhuri, *Rec. Indian Mus.*, **8**: 255, 1913 (Mariai, Assam).

*Aoria vittatus*, Deraniyagala, *Spolia zeyl.*, **16**: 283, 1932 (Ceylon).

*Mystus vittatus*, Hora, *Rec. Indian. Mus.*, **39**: 19, 1937 (the Cauvery in the Coorg state). Misra, *Rec. Indian Mus.*, **40**: 256, 1938 (Eastern Ghats). Hora, *Rec. Indian Mus.*, **42**: 366, 368, 1940 (Mahanadi River, Raipur Dist., M.P.). Hora and Nair, *Rec. Indian Mus.*, **43** : 366, 367, 1941 (Hoshangabad Dist., M.P.) Hora and Law, *Rec. Indian Mus.*, **43**: 238, 1941 (Travancore). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.8, 1977. Jayaram, *HBFW Fish. India*, p. 201, 1981. Talwar and Jhingran, *Inland Fish.*, **2**: 573, 1991 (Pakistan, India, Nepal, Bangladesh, Sri Lanka, Burma, Thailand). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 151, 1991 (Throughout the lowlands of the island).

*Mystus (Mystus) vittatus*, Jayaram, *Rec. Indian Mus.*, **51**: 534, 1954 (India, Burma, Ceylon, Thailand). Misra, *Faun. India Pisces*, **3**: 105, 1976.

*Mystus (Mystus) vittatus vittatus*, Misra, *Faun. India Pisces*, **3**: 105, fig. 20, 1976.

*Distribution* : Throughout India. Pakistan. Nepal. Bangladesh. Sri Lanka. Burma. Thailand.

*Habitat* : Rivers, streams, ponds and lakes in the plains and submontaine regions with muddy substrate.

*Size* : 21.0 cm TL.

#### Genus 62 *Aorichthys* Wu

*Aorichthys* Wu, *Sinensia*, **10**: 131, 1939 (Proposed originally as substitute name for *Aoria* Jordan, 1919, preoccupied). Type, *Pimelodus aor* Hamilton, by subsequent designation, Jayaram, 1971.

*Aorichthys*, Jayaram, *Proc. Zool. Soc. Calcutta*, **24**: 149, 1971 (Replaces *Osteobagrus* Jayaram elevated to a generic rank).

#### 310. *Aorichthys aor* (Hamilton)

*Pimelodus aor* Hamilton, *Fish. Ganges*, pp. 205, 379, Pl. 20, fig. 68, 1822 (Type-locality : rivers of Bengal and Upper parts of Gangetic estuaries).

*Macrones aor*, Day, *Fish. India*, pp. 444, 1877 (throughout Sind and India to Burma). Day, *Faun. Brit. Ind. Fish.*, **1**: 149, 1889. Vinciguerra, *Ann. Mus. Stor. Nat. Genova*, **9**(2): 217, Pl. 2, 1890 (Mandalay). Jenkins, *Rec. Indian Mus.*, **5**: 140, 1910 (Munger). Chacko, Srinivasan and Ramachandran, *Contri. Fresh water Fish. Biol. Stn. Ennore, Madras State*, No. 1, appendix 3:11, 1954 (the Vellar estuary, porto Novo).

*Aoria aor*, D'Abrue, *Rec. Nagpur Mus.*, **9**: 38, 1936 (Nerbudda, Tapati and Wainganga rivers).

*Mystus aor*, Hora, *Rec. Indian Mus.*, **39**: 19, 1937 (the Cauvery, Coorg State). Hora, *Rec. Indian Mus.*, **42**: 368, 1940 (Mahanadi river, M.P.). Hora, *Rec. Indian Mus.*, **46**: 72, 1948 (Sind, U.P., Bihar, C.P., Bengal, Mahanadi river, Orissa, Coorg State, Indawgyi Lake, U.Burma). Chacko, Kuriyan and Thyagarajan, *Contri. Fresh Water Fish. Biol. Stn. Ennore Madras State*, No.12, 1955 (the Cauvery river). Job, David and Das *Indian J. Fish.*, **2**: 34, 1955 (Within the Hirakud Stretch).

*Mystus (Osteobagrus) aor*, Jayaram, *Rec. Indian Mus.*, **51**: 548, fig. 10, 1954.

*Mystus (Aorichthys) aor*, Misra, *Faun. India Pisces*, **3**: 74, 1976 (U.P., Bihar, Orissa, M.P., Karnataka, T.N., West Bengal, Pakistan, Bangaldesh, Burma).

*Aorichthys aor*, Jayaram, *Proc. Zool. Zoc. Calcutta*, **24**: 155, 1973. Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.8: 40, 1977 (Upto Krishna river system in the south,

Pakistan, Bangladesh, Burma). Jayaram, *HBFW Fish. India*, p. 205, 1981. Jayaram, *et al.*, *Rec. Zool. Sur. India Occ. Pap.* 36: 88, 1982 (Cauvery river). Talwar and Jhingran, *Inland Fish.*, 2: 547, 1991 (Northern India Upto Krishna river system, Nepal, Bangladesh, Pakistan, Upper Burma).

**Distribution :** India: Ganga, Yamuna, Brahmaputra, Mahanadi, Narbada, Tapti, Krishna, Cauvery river systems; Pakistan : Indus system. Bangladesh and Burma.

**Habitat :** Large rivers, lakes and reservoirs.

**Size :** 1.8 m TL., commonly 1 m.

**Status :** Vulnerable.

### 311. *Aorichthys seenghala* (Sykes)

*Platystoma seenghala* Sykes, *Trans. Zool. Soc. Lond.*, 2: 371, Pl. 65, fig. 2, 1839 (Type-locality: Mutha-Mula river, Poona).

*Bagrus lamarrii* Valenciennes, *Hist. Nat. Poiss.*, 14: 407, Pl. 145, 1839. Bleeker, *Verh. Bat. Gen.*, 25: 56, 1853. Dumeril, *Mem. Acad. Sci. Paris*, 25(1): 484, 1856 (Dumeril's genotype for genus *Macrones*).

*Bagrus seenghala*, Jerdon, *Madras J. Lit. Sci.*, 15(2): 337, 1849.

*Bagrus aorellus* Blyth, *Proc. Asiat. Soc. Bengal*, p. 282, 1858.

*Macrones lamarrii*, Bleeker, *Ned. Tijds. Dierk.*, 1: 96, 1863. Gunther, *Cat. Fish. Brit. Mus.*, 5: 76, 1865. Day, *Proc. Zool. Soc. Lond.*; 705, 1871.

*Macrones seenghala*, Day, *Fish. India*, p. 444, Pl. 99, fig. 1, 1877 (Indus, Salt ranges of Punjab, Jamna and Ganges, N. Deccan, Krishna and Assam), Day, *Faun. Brit. Ind. Fish.*, 1: 150, 1889. Chaudhuri, *Rec. Indian Mus.*, 6: 20, 1911.

*Mystus seenghala*, Hora and Misra, *J. Bombay nat. Hist. Soc.*, 43: 222, 1942. Hora, *J. Zool. Soc. India*, 1: 2, 1949 (Rihand river).

*Aoria seenghala*, Nicholas, *Freshwater Fish. China* 9: 37, 1943.

*Mystus (Osteobagrus) seenghala*, Jayaram, *Rec. Indian Mus.*, 51: 550, 1954.

*Aorichthys seenghala*, Jayaram, *Proc. Zool. Soc. Calcutta*, 24: 155, 1971. Misra, *Faun. India Pisces*, 3: 79, 1976 (Punjab, Delhi, the Rihand, U.P., Bihar, M.P., Maharashtra and Andhra Pradesh). Jayaram, *Rec. Zool. Soc. India Occ. Pap.*, No.8: 40, 1977. Jayaram, *HBFW Fish. India*, p. 205, 1981 (Ganga, Yamuna, Krishna, Godavari and Cauvery river systems. Pakistan, Bangladesh). Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No.36: 88, 1982 (Cauvery river). Talwar and Jhingran, *Inland Fish.*, 2: 548, 1991 (Afghanistan. Pakistan. India

: Ganga, Yamuna, Krishna, Godavary, Cauvery river systems. Nepal and Bangladesh).

*Distribution* : India : Ganga, Yamuna, Brahmaputra, Krishna, Godavary, Cauvery river systems. Pakistan : Indus river systems. Nepal. Bangladesh.

*Habitat* : Large rivers, canals, bheels and inundated fields.

*Size* : 1.5 m TL., commonly 40.0 cms.

*Status* : Vulnerable.

### Genus 63 *Rama* Bleeker

*Rama* Bleeker, *Ichtyol. Arch. Ind. Prodr*; 1: 201, 1855 (Type, *Pimelodus rama* Hamilton = *Rama buchanani* Bleeker).

*Chandramara* Jayaram, *Int. Revue ges. Hydrobiol*; 57(5): 816, 1972 (Type, *Pimelodus chandramara* Hamilton).

#### 312. *Rama chandramara* (Hamilton)

*Pimelodus chandramara* Hamilton, *Fish. Ganges*, pp. 162, 365, 1822 (Type-locality: Atrai river, North Bengal).

*Pimelodus rama* Hamilton, *Fish. Ganges*, pp. 176, 377, Pl. 3, fig. 55, 1822 (Brahmaputra river). Hora and Law, *Rec. Indian Mus.*, 43(1): 31, 1941 (Assam). Jayaram, *Rec. Zool. Surv. India*, 65: 234, 1972.

*Leiocassis rama*, Day, *Fish. India*, p. 451, Pl. 115, fig. 2., 1877. Day, *Faun. Brit. Ind. Fish.*, 1: 163, fig. 65, 1889.

*Rama rama*, Rossel, *Mitt. Hamburg. Zool. Mus. Inst.*, 61: 151, 1964. Misra, *Faun. India Pisces*, 3: 111, 1976.

*Chandramara chandramara*, Jayaram, *Inst. Revue ges. Hydrobiol.*, 57(5): 816, 1972 (N. Bengal and Assam). Tilak, *Matsya*, (12 & 13): 89, Pl. 1 and figs. 3 and figs. 6,7., 1987 (Meghalaya, U.P., Bangladesh).

*Rama chandramara*, Talwar and Jhingran, *Inland Fish.*, 2: 574, 1991 (North Bengal and Assam, Meghalaya and Uttar Pradesh).

*Distribution* : India North Bengal, Assam, Meghalaya, Uttar Pradesh. Bangladesh.

*Habitat* : Rivers in submontaine regions.

*Size* : 7.6 cm TL.

Genus 64 : *Batasio* Blyth

*Batasio* Blyth. *J. Asiat. Soc. Beng.*, **29**: 149, 1860 (Type, *B. buchanani* Blyth = *Pimelodus batasio* Ham.)

*Macronoides* Hora, *Rec. Indian Mus.*, **22**: 179, 1921 (Type, *Macronoides affinis* (Blyth) = *Pimelodus tengana* Ham., as a subgenus).

313. *Batasio batasio* (Hamilton)

*Pimelodus batasio* Hamilton, *Fish. Ganges*, pp. 179, 377, 1822 (*nec* p. 23, fig. 6 which refers to *P. carcio* Ham) (Type-locality : Tista river). Hora, *Mem. Indian Mus.*, **9**: Pl. 22, fig. 3, 1929.

*Macrones batasio*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 83, 1864 (Tista river).

*Gagata batasio*, Day, *Fish. India*, p. 493, Pl. 99, fig. 5., 1877 (Hamilton's Ms. drawing reproduced). Day, *Faun. Brit. Ind. Fish.*, **1**: 209, 1889.

*Batasio batasio*, Shaw and Shebbeare, *J. Asiat Soc. Beng.*, **3**: 47, 1937 (Terai and Duars, N. Bengal). Hora and Law, *Rec. Indian Mus.*, **43**: 33, Pl. 2, figs. 4, 5, 6, 1941. Misra, *Faun. India Pisces*, **3**: 216, 1976 (Terai and Duars, West Bengal). Jayaram, *HBFW Fish. India*, p. 193, 1981.

*Distribution* : West Bengal: Tista river system (in North Bengal).

*Habitat* : Streams of Terai and Duars.

*Size* : 10.0 cm TL.

314. *Batasio tengana* (Hamilton)

*Pimelodus tengana* Hamilton, *Fish. Ganges*, pp. 176, 377, Pl. 39, fig. 58, 1822 (Type-locality : Brahmaputra).

*Batasio affinis* Blyth, *J. Asiat. Soc. Beng.*, **29**: 150, 1860 (Type-locality : Tenasserim).

*Macrones affinis*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 83, 1864 (Tenasserim).

*Macrones tengana*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 84, 1864 (Brahmaputra).

*Macrones blythi*, Day, *Fish. India*, p. 445, 1877 (Type-locality : Tenasserim). Day, *Faun. Brit. Ind. Fish.*, **1**: p. 151, 1889.

*Gagata tengana*, Day, *Fish. India*, p. 493, 1877 (Brahmaputra, Assam). Day, *Faun. Brit. Ind. Fish.*, **1**: 210, 1889.

*Leiocassis fluviatilis* Day, *Fish. India Suppl.*, p. 805, 1888 (Type-locality: Weywoon, Tenasserim). Day, *Faun. Brit. Ind. Fish.*, **1**: 169, 1889.

*Macrones dayi* Vinciguerra, *Ann. Mus. Civ. Stor. Nat. Genova*, **9**(2) : 230, Pl. 7, fig. 3, 1890 (Type-locality : Meetan and Toungoo in Burma).

*Macrones (Macronoides) affinis*, Hora, *Rec. Indian Mus.*, **22**: 180, 1921 (Manipur).

*Macrones (Macronoides) marianiensis*, Hora, *Rec. Indian Mus.*, **22**: 736, 1921 (Sivoke river, Darjiling).

*Leiocassis rama* (nec Hamilton), Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3**: 90, text-fig. 88, Pl. 3, fig. 4, 1938.

*Batasio tengana*, Hora and Law, *Rec. Indian Mus.*, **43**: 136, 1941. Misra, *Faun. India Pisces*, **3**: 218, Pl. 4, fig. 4, 5, 6, 1976 (N. Bengal, Assam, Manipur. Burma. Thailand. Punjab excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 551, 1991 (India : N. Bengal. Assam. Bangladesh. Burma and Thailand. Punjab excluded).

*Distribution* : India North Bengal, Assam, Manipur. Bangladesh. Burma and Thailand.

*Habitat* : Rivers and ponds in submontaine regions.

*Size* : 9.0 cm TL.

### 315. *Batasio travancoria* Hora and Law

*Batasio travancoria* Hora and Law, *Rec. Indian Mus.*, **43**: 40, Pl.2, figs. 7-9, 1941 (Type-locality : The Peruntenaruvi, a tributary of Pamba at Edakadathy; the Kolathupuzha tributary of the Kallada; the Chittar at Palode; the Kallada, 4 miles east of Thenmalai, Travancore). Misra, *Faun. India Pisces*, **3**: 220; 1976 (Streams of the Western Ghats, Kerala). Talwar and Jhingran, *Inland Fish.*, **2**: 552, 1991 (Western Ghats, Kerala).

*Distribution* : Western Ghats : Kerala.

*Habitat* : Hill streams and rivers at base of hills.

*Size* : 9.7 cm TL.

### Genus 65 : *Pseudobagrus* Bleeker

*Pseudobagrus* Bleeker, *Act. Soc. Sci. Indo-Neerl.*, **8**: 87, 1860 (Type, *Bagrus aurantiacus* Schlegel).

*Pelteobagrus* Bleeker, *Ned. Tijd. Dierk.*, **2**: 9, 1865 (Type, *Silurus calvarius* Basilewsky = *Pimelodus fulvidraco* Rich.; Replaces *fulvidraco* Jordan and Starks).

*Horabagrus* Jayaram, *Bull. nat. Inst. Sci. India*, No. 7 : 261, 1955 (Type, *Pseudobagrus brachysoma* Gunther).

316. *Pseudobagrus chryseus* Day

*Pseudobagrus chryseus* Day, *Proc. Zool. Soc. Lond.*, p. 290, 1865 (Type-locality : Malabar). Day, *Fish. Malabar*, 2: 185, Pl. 13, fig. 2., 1865 (Malabar).

*Macrones chryseus*, Day, *Fish. India*, p. 443, Pl. 99, fig. 3, 1877 (Rivers in Canara and Malabar). Day, *Faun. Brit. Ind. Fish.*, 1: 148, fig. 63, 1889. Jenkins, *Rec. Indian Mus.*, 3: 289, 1909 (Shasthancotta lake, Travancore). Pillay, *J. Bombay nat Hist. Soc.*, 33: 358, 1929 (Trivandrum).

*Mystus chryseus*, Hora and Law, *Rec. Indian Mus.*, 43: 254, 255, 1941 (Travancore).

*Pseudobagrus brachysoma* (*nec* Gunther), Jayaram, *Ann. Mag. nat. Hist.*, 12(5): 982, 1952. Misra (*nec* Gunther). *Faun. India Pisces*, 3: 109, 1976 (Misra considers that since *Horabagrus* is a genus of Japan, China and Cochin-China, the home of *Pseudobagrus brachysoma* is Cochin China, and not Cochin as presumed by Jayaram. Gunther's description of *P. brachysoma* differs from Day's description of *P. chryseus* (Anal rays 20 in *brachysoma*; 26-28 in *P. chryseus*).

*Horabagrus brachysoma* (*nec* Gunther), Jayaram, *Bull. nat. Inst. Sci. India*, No. 7: 261, fig. 1, 1955. Jayaram, (*nec* Gunther), *Inst. Reuve ges. Hydrobiol.*, 51(3) 447, fig. 5, 1966. Talwar and Jhingran (*nec* Gunther), *Inland Fish.*, 3: 553, 1991 (Kerala).

**Distribution :** Western Ghats : South Canara down along the western face of Western Ghats to as far as Southern Kerala.

**Habitat :** Rivers, preferring deep pools and estuaries.

**Size :** 45.0 cm TL.

**Status :** Vulnerable.

317. *Pseudobagrus nigricollaris* (Pethiyagoda & Kollalat)

*Horabagrus nigricollaris* Pethiyagoda and Kottelat, *J. South Asian nat. Hist.*, 1, No. (1), 110, 1994 (Type locality : Chalakudy River, near Vellilappava).

**Distribution :** Kerala Western Ghats : Chalakudy River.

**Habitat :** Hill streams at higher reaches of rivers.

**Size :** 27.0 cm. TL.

Family 8 : SILURIDAE  
Genus 66 : *Wallago* Bleeker

*Wallago* Bleeker, *Nat. Tijd. Ned. Ind.*, 2: 198 (Type, *Silurus mulleri* Bleeker = *Silurus attu* Schneider). Roberts, *Copeia*, No. 4 : 890, 1982 (Revision).

*Wallagonia* Myers, *Copeia*, No. 2: 98, 1938 (Type, *Wallago leeri* Bleeker).

*Pinniwallago* Gupta *et al.*, *J. Bombay nat. Hist. Soc.*, 77(2): 290, 1981 (Type, *Pinniwallago kanpurensis*). Based on anomalous specimens.

318. *Wallago attu* (Schneider)

*Silurus attu* Schneider, *Syst. Ichth.*, p. 378, Pl. 75, 1801 (Type-locality : Malabar).

*Silurus boalis* Hamilton, *Fish. Ganges*, p. 154, Pl. 29, fig. 49, 1822 (Type-locality : Rivers and ponds of Gangetic provinces and all over India). Jerdon, *Madras J. Lit. Sci.*, 15(2): 335, 1849.

*Silurus wallago* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 14: 354, 1839 (Type-locality : Bengal). Jerdon, *Madras J. Lit. Sci.*, 15(2): 333, 1849 (Southern India).

*Callichrous macrostomus* Swainson, *Nat. Hist. Fish.*, 2: 306, 1839 (Type-locality : Not given).

*Silurus asotus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 14: 358, 1839.

*Schilbe boalis*, Sykes, *Trans. Zool. Soc. Lond.*, 2: 368, Pl. 64, fig.2, 1841.

*Silurus mulleri* Bleeker, *Nat. Gen. Arch. Ned. Ind.*, 3: 284, 1846 (Type-locality : Batavia, Java) – Bleeker, *Verh. Bat. Gen.*, 21: 56, 1847. Bleeker, *Verh. Bat. Gen.*; 23: 10, 1850.

*Wallago asotus* Bleeker, *Nat. Tijd. Ned. Ind.*, 3: 585., 1852 - Bleeker, *Verh. Bat. Gen.*, 25: 108, 1853 (Bengal).

*Wallago russelli* Bleeker, *Verh. Bat. Gen.*, 25: 108, 1853 (Type-locality: Calcutta and Batavia).

*Wallago attu*, Bleeker, *Atl. Ichth.*, 2: 79, Pl. 86, fig. 1, 1862. Gunther, *Cat. Fish. Brit. Mus.*, 5: 36, 1864 (Bengal, Hindustan, Deccan, Java, Ganges, Calcutta, Ferozepore, Cauvery river, Madras Presidency). Day, *Proc. Zool. Soc. Lond.*, p. 306, 1869 (Orissa). Day, *Fish. Malabar*, p. 193, 1875. Beavan, *HBFW Fish. India*, pp. 128, 208 1877 (India). Day, *Fish. India*, p. 479, Pl. 111, fig. 4, 1877 (India, Ceylon, Burma, Calcutta). Day, *Faun. Brit. Ind. Fish.*, 1:126, fig. 54, 1889. Vinciguerra, *Ann. Mus. Civ. Stor. nat. Genova*, 9:(2) 156, 199, 1889 (Rangoon-Pegu, Mandalay and Bhamo, Upper Burma). Jenkins,

*Rec. Indian Mus.*, 3: 287, 1909 (Giridih, Hazaribagh). Jenkins, *Rec. Indian Mus.*, 5: 140, 1910 (Rajmahal). Raj, *Rec. Indian Mus.*, 12:263, 1916 (Madras). Deraniyagala, *Ceylon J. Sci.*, (B)16:275, Pl. 4, 1932 (Ceylon). Myers, *Copeia*, (2): 98, 1938. Hora, *J. Bombay nat. Hist. Soc.*, 41(1): 64-71, figs. 1, 2a, 2b, 1939 (Calcutta, West Bengal, Rajmahal Hills and Motihari, Bihar, Barabanki and Gonda, U.P. Deolali, Maharashtra, Travancore, Kerala, Myitkyina Dist., Burma and Bangkok, Thailand). Hora and Law, *Rec. Indian Mus.*, 43(2): 238, 240, 1941 (Travancore). Hora, *Rec. Indian Mus.*, 44(2): 197, 1942 (Mysore state and Nilgiris, Wynaad and Coorg hill ranges). Fraser, *J. Bombay nat. Hist. Soc.*, 43(3): 453, 1942 (Poona). Setna and Kulkarni, *J. Bombay nat. Hist. Soc.*, 46(1): 128, 1946 (Ahmedabad). Hora, *Rec. Indian Mus.*, 46(1-2): 67, 1948. Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, 28: 171, 1948 (Tungabhadra, Mysore, Kottamotta, Kurnool, Madras). Haig, *Rec. Indian Mus.*, 48(3-4): 780, 1950. Menon, *Rec. Indian Mus.*, 50(2): 267, 1952. Majumdar, *J. Zool. Soc. India*, 3(2): 247, 1952 (Yamuna river, Delhi). Job, David and Motwani, *J. Asiat. Soc. Beng.*, 18(2): 169, 1952 (Damodar river above and below Anderson weir). Menon, *Rec. Indian Mus.*, 50(2): 265, 267, 1953 (Kangalatanglee, Manipur). Job, David and Das, *Indian J. Fish.*, 2: 13, 1955 (Hirakud Dam). Menon, *Rec. Indian Mus.*, 52(1): 22, 1955 (Manipur). Munro, *Mar. Freshwater fish Ceylon*, 49, 1955 (Sri Lanka). Srivastava, *Fish. East. U.P.*, p. 67, 1968 (Gorra nala, Gorakhpur). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 67, 1974 (India, Ceylon, Pakistan, Bangladesh, Burma, Thailand and Indonesia). Jayaram, *HBFW Fish. India*, p. 210, 1981 (India, Pakistan, Bangladesh, Burma, Thailand, Sri Lanka, Sumatra, Java, Borneo). Talwar and Jhingran, *Inland Fish.*, 2: 590, 1991 (Pakistan, India, Sri Lanka, Nepal, Bangladesh, Burma, Thailand, Vietnam, Combodia, Malay peninsula, Sumatra and Java). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 156, 1991 (deep waters throughout the low lands).

*Wallagonia attu*, Hora and Misra, *J. Bombay nat. Hist. Soc.*, 46(1): 128, 1946 (Ahmadabad). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, 28: 171, 1948 (Thungabhadra, Mysore; Kottamotta, Kurnool; Madras).

*Pinniwallago kanpurensis* Gupta, Jayaram and Hajela, *J. Bombay nat. Hist. Soc.*; 77(2): 290, fig. 1, 1981 (Type-locality : Kanpur, Uttar Pradesh), (Anomalous specimens).

*Distribution* : India. Sri Lanka. Afghanistan. Pakistan. Bangladesh. Burma, Thailand. Indonesia.

*Habitat* : Large rivers and estuaries with muddy or silty substrate, also tanks and reservoirs.

*Size* : 2 m TL., 55 kg; usually 75 cm and 10 kg.

Genus 67 : *Ompok* Lacepede

*Ompok* Lacepede, *Hist. Nat. Poiss.*, 5: 49, 1803 (Type, *Ompok siluroides* Lacepede. Haig, *Rec. Indian Mus.*, 48: 103, 1950 (see for synonymy).

*Callichrous* Hamilton, *Fish. Ganges*, p. 119, 1822 (Type, *Silurus bimaculatus* Bloch).

319. *Ompok bimaculatus* (Bloch)

*Silurus bimaculatus* Bloch, *Hist. Nat. Poiss.*, Part 2: 17, Pl. 364, 1797 (Type-locality: Malabar). Bloch and Schneider, *Syst. Ichth.*, p. 377, 1801. Valenciennes (in C & V), *Hist. Nat. Poiss.*, 14: 360, 1839. McClelland, *Calcutta J. Nat. Hist.*, 4: 401, 1842. Jerdon, *Madras J. Lit. Sci.*, 15: 334, 1849.

*Ompok siluroides* Lacepede, *Hist. Nat. Poiss.*, 5: 50, Pl. 1, fig. 2, 1803 (Type-locality not given, probably Batavia).

*Silurus chechra* Hamilton, *Fish. Ganges*, p. 152, 1822 (Type-locality: River Kosi). Gunther, *Cat. Fish. Brit. Mus.*, 5: 46, 1864.

*Silurus canio* Hamilton, *Fish. Ganges*, p. 151, 1822 (Type-locality : N. E. Bengal). Hora, *Mem. Indian Mus.*, 9, Pl. 20, fig. 5, 1929.

*Silurus duda* Hamilton, *Fish. Ganges*, p. 375, 1822 (Type-locality : Kosi River, India).

*Silurus mysoricus* Valenciennes, (in C & V), *Hist. Nat. Poiss.*, 14: 353, 1839 (Type-locality, Malabar).

*Callichrous nebulosus* Swainson, *Nat. Hist. Fish.*, 2: 306, (= *Silurus chechra* Ham.) 1839.

*Callichrous bimaculatus* Swainson, *Nat. Hist. Fish.*, 2: 306, 1839. Gunther, *Cat. Fish. Brit. Mus.*, 5: 45, 1864. Day, *Fish. India*, p. 476, Pl. 110, figs. 4-5, 1877. Day, *Faun. Brit. Indi. Fish.*, 1: 131 fig. 57, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 82, 1937 (Siliguri bazar). Menon, *Rec. Indian Mus.*, 47: 234, 1949 (R. Kosi, E. Nepal). Haig, *Rec. Indian Mus.*, 48: 103, 1950.

*Callichrous immaculatus* Swainson, *Nat. Hist. Fish.*, 2: 306 (= *Silurus canio* Ham.) 1839.

*Schilbe pabo* Sykes, *Trans. Zool. Soc. Lond.*, 2: 367, 1841 (Deccan).

*Silurus indicus* McClelland, *Calcutta J. Nat. Hist.*, 2: 58, 1842 (Type-locality India).

*Wallago bimaculatus*, Bleeker, *Nat. Tij. Ned. Ind.*, 3: 585, 1852. Bleeker, *Nat. Tijd. Ned. Ind.*, 25: 1853.

*Wallago microcephalus*, Bleeker, *Verb. Bat. Gen.*, 25: 110, 1853.

*Pseudosilurus macrophthalmus* Blyth, *J. Asiat. Soc. Beng.*, **29**: 151, 1860 (Type-locality : Tenasserim).

*Callichrous ceylonensis* Gunther, *Cat. Fish. Brit. Mus.*, **5**: 46, 1864 (Type-locality: Ceylon).

*Callichrous canio*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 48, 1864 (N. E. Bengal).

*Callichrous sindensis* Day, *Fish. India*, p. 476, Pl. 110; fig. 1, 1877 (Type locality : Sind). Day, *Faun. Brit. Ind. Fish.*, **1**: 130, fig. 56, 1889.

*Ompok bimaculatus*, Haig (in part), *Rec. Indian Mus.*, **48**: 103, 1950 (revision). Misra (in part), *Rec. Indian Mus.*, **57**: 178, 1959. Parameswaran, *et al.*, (in part), *J. Zool. Soc. India*, **19**(1 & 2): 90, 1967 (Revision). Menon, *Inland Fish. Soc. India Spl. Publ.*, **1**:64, 1974. Misra, *Faun. India Pisces*, **3**:189, 1976. Jayaram, *HBFW Fish India*, p. 209, 1981 (Throughout India, Pakistan, Nepal, Bangladesh, Burma, Malaya, Thailand, Sumatra, Java, Borneo and China, (Yunnan). Talwar and Jhingran, *Inland Fish.*, **2**: 582, 1991 (Afghanistan, Pakistan, India, Sri Lanka, Bangladesh, Burma, Thailand, Java, Sumatra, Borneo and China). Pethyigoda, *Freshwater Fish. Sri Lanka*, p. 154, 1991 (Small streams and tanks in the plains).

*Distribution* : Throughout India. Pakistan. Nepal. Bangladesh. Sri Lanka. Burma. Thailand. Java. Sumatra. Borneo. China (Yunnan).

*Habitat* : Shallow rivers and ponds with muddy or sandy bottom in the plains and submontaine regions.

*Size* : 45.0 cm TL., but usually not more than 30.0 cm.

### 320. *Ompok malabaricus* (Valenciennes)

*Silurus malabaricus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **14**: 353, 1839 (Type-locality : Malabar). Jerdon, *Madras J. Lit. Sci.*, **15**: 334, 1849. Gunther, *Cat. Fish. Brit. Mus.*, **5**: 34, 1842.

*Wallago malabaricus* Bleeker, *Verh. Bat. Gen.*, **25**: 54, 1853. Day, *Fish. Malabar*, p. 194, 1865.

*Callichrous malabaricus*, Day, *Fish. India*, p. 478, Pl. 111, fig. 1, 1877 (Specimen figured 16.5 inches in length was from Canara). Day, *Faun. Brit. Ind. Fish.*, **1**: 133, 1889. Pillay, *J. Bombay. Nat. Hist. Soc.*, **33**: 358, 1929 (Alleppey).

*Ompok bimaculatus* Haig (in part), *Rec. Indian Mus.*, **48**: 103, 1950. Misra (in Part), *Rec. Indian Mus.*, **57**: 178, 1959.

*Silurus goae* Haig. *Rec. Indian Mus.*, **48**(3-4): 77, fig. 1 1951 (Goa and Trivandrum). Jayaram, *HBFW Fish. India*, p. 211, 1981 (Goa).

*Ompok malabaricus*, Misra, *Faun. India Pisces*, 3: 193, 1976 (India : Goa. Mysore excluded). Talwar and Jhingran, *Inland Fish.*, 2: 283, 1991 (Goa and Kerala).

*Distribution* : From Goa along the west face of Western Ghats to Kerala.

*Habitat* : Rivers in plains and submontaine regions.

*Size* : 51.0 cm TL., usually 40-45 cm.

### 321. *Ompok pabda* (Hamilton)

*Silurus pabda* Hamilton, *Fish. Ganges*, pp. 150, 374, Pl. 25, fig. 47, 1822 (Type-locality : Bengal). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 14: p. 360, 1839.

*Silurus anastomus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 14: 633, Pl. 410, 1839 (Type-locality : Bengal).

*Silurus lamghur* Heckel, *Fische Kaschmir*, p. 82, Pl. 12, figs. 5 & 6, 1838 (Type-locality : Kashmir).

*Callichrous vittatus* Swainson, *Nat. Hist. Animal.*, 2: 306, 1839.

*Wallago pabda*, Bleeker, *Verh. Bat. Gen.*, 25: 54, 1853. Blyth, *Proc. Asiat. Soc. Beng.*, 283, 1858.

*Wallago anastomus* Bleeker, *Verh. Bat. Gen.*, 25: 54, 1853. Blyth, *Proc. Asiat. Soc. Beng.*, 283, 1858.

*Callichrous anastomus* Gunther, *Cat. Fish. Brit. Mus.*, 5:47 1842.

*Callichrous pabda* Gunther, *Cat. Fish. Brit. Mus.*, 5:47 1842. Day, *Fish. India*, p. 47, Pl. 111, figs. 2, 3, 1877 (Indus, Ganges, Brahmaputra. Orissa excluded). Day, *Faun. Brit. Ind. Fish.*, 1: 133, 1889. Prashad and Mukherji, *Rec. Indian Mus.*, 28: 177, 1931 (Indowgyi Lake; Namkawngstum at Kamaing). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: fig. 7, 1937 (clear streams as well as muddy pools in the Terai and Duars). Menon, *Rec. Indian Mus.*, 47: 229, 1949 (E. Punjab).

*Silurichthys lamghur*, Gunther, *Cat. Fish. Brit. Mus.*, 5: 36, 1842.

*Cryptopterus latovittatus* Playfair, *Proc. Zool. Soc. Lond.*, p. 16, 1867 (Cachar).

*Callichrous egertonii* Day, *Proc. Zool. Soc. Lond.*, p. 710, 1871

*Ompok bimaculatus* (nec Bloch) Haig, (in part), *Rec. Indian Mus.*, 48: 103, 1950. Misra (in part), *Rec. Indian Mus.*, 57 : 178, 1959.

*Ompok pabda*, Parameswaran *et al.*, *J. Zool. Soc. India.*, 19(1&2): 91, 1967 (Indus,

Ganges, Brahmaputra. Orissa excluded). Menon, *Inl. Fish. Soc. India, Spl. Publ.*, No. 1: 66, 1974. Misra, *Faun. India Pisces*, 3: 194, text-fig. 37, 1976 (Punjab, West Bengal, Assam, Pakistan, Bangladesh, Burma, Malaya). Jayaram, *HBFW Fish. India*, p. 209, 1981 (Ganges, Brahmaputra river system. Pakistan. Bangladesh. Burma). Talwar and Jhingran, *Inland Fish.*, 2: 584, 1991 (Afghanistan. Pakistan. India: North-Eastern States. Bangladesh. Burma).

*Distribution* : India: Throughout Northern India. Pakistan: Indus plain and adjoining hilly areas. Bangladesh and Burma.

*Habitat* : Clear as well as muddy rivers, streams, ponds and lakes.

*Size* : 17.0 cm TL.

### 322. *Ompok pabo* (Hamilton)

*Silurus pabo* Hamilton, *Fish. Ganges*, p. 153, Pl. 17. fig. 48, 1822 (Type-locality : R. Brahmaputra, Assam).

*Callichrous pabo* Gunther, *Cat. Fish. Brit. Mus.*, 5: 48, 1864. Day, *Fish. India*, p. 477, Pl. 110, fig. 6, 1877 (Ganges rivers, also Burma. Jamuna excluded). Day, *Faun. Brit. Ind. Fish.*, 1: 132, 1889. Jenkins, *Rec. Indian Mus.*, 5: 137, 1910 (Mandalay). Prashad and Mukerji, *Rec. Indian Mus.*, 31: Pl. 77, 1929 (Indawgyi Lake). Hora, *Rec. Indian Mus.*, 38: 361, 1936. Haig, *Rec. Indian Mus.*, 48: 106, 1952 (N. E. India and Burma).

*Callichrous nigrescens* Day, *Proc. Zool. Soc. Lond.*, p. 616, 1869 (Type-locality : Burma).

*Ompok pabo*, Haig, *Rec. Indian Mus.*; 48: 196, 1950 (Revision). Misra, *Rec. Indian Mus.*, 57: 179, 1959. Parameswaran, *et al.*, *J. Zool. Soc. India*, 19(1 & 2), p. 92, 1967. Menon, *Inland Fish. Soc. India Spl. Publ.*, 1: 66, 1974 (Aman and Burma). Misra, *Faun. India Pisces*, 3: 196-198, 1976. Jayaram, *HBFW Fish. India*, p. 209, 1981 (Brahmaputra river system. Bangladesh. Burma. Ganges. Yamuna and Pakistan excluded). Talwar and Jhingran, *Inland Fish.*, 2: 585, 1991 (North Eastern States. Bangladesh. Burma. Pakistan and Afghanistan excluded).

*Distribution* : India : West Bengal, Darjeeling dist., Assam. Bangladesh. Burma.

*Habitat* : Rivers, ponds and lakes.

*Size* : 16.8 cm TL.

### Genus 68 *Silurus* Linnaeus

*Silurus* Linnaeus, *Syst. nat.*, 10th ed; p. 304, 1758 (Type, *Silurus glanis* Linnaeus). Haig, *Rec. Indian Mus.*, 48: 97, 1950 (see for Synonymy).

323. *Silurus gangeticus* (Peters)

*Pterocryptis gangetica* Peters, *Monatsb. K. Prens. Akad. Wiss. Berlin.*, p. 712, 1861 (Type-locality : Assam or the Eastern Himalayas where Westeramn collected the specimens).

*Silurus afghana* Gunther, *Cat. Fish. Brit. Mus.*, 5: 34, 1864 (Type-locality: Afghanistan, but as Day observes some Khasi Hill specimens were mixed up with the Afghan collections so there is error in the exact type-locality which should be Khasi Hills, Assam). Day, *Fish. India*, 481, Pl. 112, fig. 1, 1877 (Darjeeling and Assam). Day, *Faun. Brit. Ind. Fish.*, 1: 119, 1889 (Darjeeling and Assam).

*Cryptopterus gangeticus* Gunther, *Cat. Fish. Brit. Mus.*, 5: 44, 1864.

*Silurus dukai* Day, *Proc. Zool. Soc. Lond.*, p. 239, 1873 (Type-locality : Darjeeling).

*Callichrous gangeticus* Day, *Fish. India*, p. 476, 1877.

*Silurus gangetica*, Misra, *Faun. India Pisces*, 3: 204, 1976 (Darjeeling, Khasi Hills, Assam; Bangladesh).

*Silurus cochinchinensis* (*nec* Valenciennes), Shaw and Shebbeare, *J. Asiat Soc. Beng.*, 3: 84, 1937 (Western Duars of Northern Bengal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 56, 1974 (N. E. India. Burma, Thailand, Malaya, Laos excluded).

**Distribution :** India: Darjeeling and Khasi Hills, Assam. Bangladesh.

**Habitat :** Hill streams with gravelly and sandy bed.

**Size :** 18.0 cm TL.

324. *Silurus indicus* (Datta, Barman and Jayaram)

*Kryptopterus indicus* Datta, Barman and Jayaram, *Bull. Zool. Surv. India*, 8: 29, fig. 1, 1987 (Type-locality : Namdapha river, Namdapha wildlife sanctuary, Arunachal Pradesh). Talwar and Jhingran, *Inland Fish.*, 2: 580, 1991 (Namdapha river, Namdapha wildlife sanctuary, Arunachal Pradesh).

**Distribution :** India: Arunachal Pradesh: Namdapha river, Tirap Dist.

**Habitat :** Hill-streams with gravelly bed.

**Size :** 25.3 cm TL.

325. *Silurus wynaadensis* Day

*Silurus punctatus* Day, *Proc. Zool. Soc. Lond.*, p. 155, 1868 (Wynaad, Kerala; name preoccupied by *silurus puntatus* Cantor, 1842).

*Silurus wynaadensis* Day, *Proc. zool. Soc. Lond.*, 237, 1873 (Type-locality : Wynaad, in a stream about 3000 ft. above the level of the sea). Day, *Fish. India*, p. 480, Pl. 3, fig. 6, 1877 (Wynaad). Day, *Faun. Brit. Ind. Fish.*, 1: 119, fig. 50, 1889 (Wynaad, in a stream about 3000 ft. above sea level). Hora, *Rec. Indian Mus.*, 38: 352, 356, 1936. Talwar and Jhingran, *Inland Fish.*, 2: 589, 1981 (Western Ghats of Kerala).

*Silurus cochinchinensis* (nec Val.) Bimachar and Rau, *J. Mys. Univ.*, 1(16): 147, 1941 (Shallow pit in hill stream near Muttodi, Jagger valley, Kadur Dist., Mysore). Haig (in part), *Rec. Indian Mus.*, 48: 99, 1952.

*Silurus berdmorei wynaadensis* Rajan, *J. Bombay nat. Hist. Soc.*, 53: 45, 1955 (Bhavani River).

*Silurus cochinchinensis wynaadensis*, Misra, *Faun. India Pisces*, 3: 202, 1976 (Wynaad, the Bhavani River, Western Ghats).

*Distribution* : Western Ghats : Kerala; Wynaad (Cauvery drainage); Karnataka: Jagger Valley (Thungabadhra drainage).

*Habitat* : Fast flowing streams with gravelly and sandy bed.

*Size* : 30.0 cm TL.

*Status* : Rare.

Family 9 : SCHILBEIDAE

Genus 69 : *Ailia* Gray

*Ailia* Gray, *Zool. Miscell.*, p. 8, 1831 (Type, *Malapterurus* (sic) (*Ailia*) *bengalensis* Gray = *Malapterurus coila* Hamilton).

*Ailiichthys* Day, *Proc. Zool. Soc. Lond.*, p. 712, 1871 (Type, *Ailiichthys punctata* Day).

### 326. *Ailia coila* (Hamilton)

*Malapterurus coila* Hamilton, *Fish. Ganges*, pp. 158, 375, 1822 (Type-locality Bengal).

*Acanthonotus hardwickii* Gray, *Zool. Miscell.*, p. 8, 1831

*Ailia bengalensis*, Gray, *Zool. Miscell.*, p. 8, 1831 Valenciennes (in C & V), *Hist. Nat. Poiss.*, 15: 538, 1840. Gunther, *Cat. Fish. Brit. Mus.*, 5: 56, 1864.

*Silurus* (*Acanthonotus*) *cuvieri* Gray, *Ill. Ind. Zool.*, 1: 85, fig. 1 1833.

*Malapterurus* (*Ailia*) *bengalensis* Gray, *Ill. Ind. Zool.*, 1: 85, fig. 2, 1833. Swainson, *Nat. Hist. Fish.*, 2: 307, 1839.

*Malapterurus cuvieri*, Swainson, *Nat. Hist. Fish.*, 2: 307, 1839.

*Ailia coila*, Bleeker, *Verh. Bat. Gen.*, 25: 54, 1853. Day, *Fish. India*, p. 488, Pl. 114, fig. 4., 1877 (Throughout Northern India. Krishna river excluded). Day, *Faun. Brit. India Fish.*, 1: 134, fig. 58, 1889. Jayaram, *J. Zool. Soc. India*, 14(2): 224, 1962. Menon, *Inland Fish Soc. India Spl. Publ.*, 1: 68, 1974. Misra, *Faun. India, Pisces*, 3: 185, 1976 (India as far as Krishna River, Pakistan, Nepal, Bangladesh).

*Ailia affinis* Gunther, *Cat. Fish. Brit. Mus.*, 5: 56, 1864 (Assam and Kulu).

*Ailichthys punctata* Day, *Proc. Zool. Soc. Lond.*, 713, 1971 (Type-locality : Jumna below Delhi). Day, *Fish. India*, p. 489, Pl. 114, fig. 2, 1877 (Jumna below Delhi; Indus in Sind). Day, *Faun. Brit. India Fish.*, 1: 135, fig. 59, 1889. Hora *Rec. Indian. Mus.*, 43: 112, 1941. Karamchandani and Motwani, *J. Zool. Soc. India*, 8: 26, fig. 4, 1956. Jayaram, *J. Zool. Soc. India*, 14: 244-248, 1962 (Indus, Yamuna, Ganga).

Misra, *Faun. India Pisces*, 3: 157, 1976 (Yamuna, Pakistan).

*Distribution* : India: Yamuna, Ganges, Brahmaputra, Mahanadi. Pakistan. Bangladesh. Nepal.

*Habitat* : Large rivers and connected waters.

*Size* : 20.0 cm TL., commonly 18.0 cm.

#### Genus 70 : *Clupisoma* Swainson

*Clupisoma* Swainson, *Nat. Hist. Animal.*, 2: 306, 1839 (Type, *Pimelodus argentata* Swainson = *Silurus garua* Hamilton).

#### 327. *Clupisoma bastari* Datta and Karmakar

*Clupisoma bastari* Datta and Karmakar, *Bull. Zool. Surv. India*, 2(2&3): 193, 1980 (Type-locality : Indravati river at Lohandigura, Bastar Dist., Madhya Pradesh). Jayaram, *HBFW Fish. India*, p. 219, 1981 (Madhya Pradesh). Talwar and Jhingran, *Inland. Fish.*, 2: 596, 1991 (Indravati river, Bastar Dist.)

*Distribution* : Indravati river, Bastar district, Madhya Pradesh.

*Habitat* : Rivers in upland areas.

*Size* : 18.0 cm TL.

#### 328. *Clupisoma garua* (Hamilton)

*Silurus garua* Hamilton, *Fish. Ganges*, p. 156, 375, Pl. 21, fig. 50 (Type-locality: Freshwater rivers of the Gangetic provinces).

*Clupisoma argentata* Swainson, *Nat. Hist. Animal.*, 2: 306, 1839.

*Schilbe garua*, Blyth, *Proc. Asiat. Soc. Beng.*, p. 283, 1838. Valenciennes, *Hist. Nat. Poiss.*, 14: 379, Pl. 413, 1839. Bleeker, *Verh. Bat. Gen.*, 25: 54, 110, 1853.

*Schilbeichthys garua*, Bleeker, *Ichth. Arch. Ind. Prodr.*, Siluri, p. 256, 1855. Gunther, *Cat. Fish. Brit. Mus.*, 5: 57, 1864, (Ganges, Bengal). Bridge and Haddon, *Phil. Trans. Roy. Soc. Lond.*, 184(B) : 211-313, 1894.

*Clupisoma garua*, Bleeker, *Ned. Tijds. Dierk.*, 1: 114, 1863. Hora, *Rec. Indian Mus.*, 39: 44, 1937 (Tribeni, Nepal, Terai). Hora, *Proc. Nat. Inst. Sci. India*, 3: 39, 1937. Hora, *J. Bombay nat. Hist. Soc.*, 39: 666, 1937 (M.P., Saraghat, Saran, Bihar, Shantipur, Bengal, Orissa, Assam). Hora, *J. Zool. Soc. India*, 1: 2, 1949 (Rihand river at Pipri). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 68, 1974. Misra, *Faun. India Pisces*, 3 : 159, 1976. Jayaram, *HBFW Fish. India*, p. 219, 1981 (throughout North India. Pakistan, Nepal, Bangladesh). Talwar and Jhingran, *Inland Fish.* 2 : 586, 1991.

*Pseudeutropius garua*, Day (in part), *Fish. India*, p. 474. Pl. 109, fig. 6, 1877 (Throughout the large rivers of Sind, India, Assam). Chaudhuri, *Rec. Indian Mus.*, 8 : 255, 1913 (Dibrugarh).

**Distribution** : Throughout large rivers of Northern and North-Eastern India and Orissa. Pakistan. Nepal. Bangladesh.

**Habitat** : Large fresh water and tidal rivers.

**Size** : 60.0 cm TL.

### 329. *Clupisoma montana* Hora

*Clupisoma montana* Hora, *J. Bombay nat. Hist. Soc.*, 39 : 673, text-figs. 7, 8, 1937 (Type-locality : Teesta R., Below Darjeeling). Misra *Faun. India Pisces*, 3 : 162 (Tista R, below Darjeeling). De Witt, *Stanford Ichth. Bull.*, 7(1) : 79, 1960 (Nepal). Menon, *J. Zool. Soc. India*, 14(1) : 30, 1962 (Brahmputra, Kosi, Bagmati and Gandak). Jayaram *HBFW Fish. India*, p. 220, 1981 (Darjeeling, Nepal. Yamuna and Sone rivers excluded). Talwar and Jhingran, *Inland Fish.*, 2 : 597, 1991 (Tista river, Darjeeling. Jamuna, Sone river and Tripura excluded).

**Distribution** : Eastern Himalayas Tista, Kosi, Bagmati and Gandak; Nepal.

**Habitat** : Rapid rivers and streams.

**Size** : 29.0 cm TL.

Genus 71 : *Eutropiichthys* Bleeker

*Eutropiichthys* Bleeker, *Versl. Akad. Amsterdam*, 14 : 398, 1862 (Type, *Pimelodus vacha* Hamilton).

330. *Eutropiichthys goongwaree* (Sykes)

*Hypohthalmus goongwaree* Sykes, *Proc. Zool. Soc. Lond.*, p. 163, 1838. Sykes, *Trans. Zool. Soc. Lond.*, 2 : 369, tab. 64, fig. 3, 1841 (Type-locality : Mutha-Mula River at Poona, Dukhun).

*Bagrus goonwaree*, Jerdon, *Madras. J. Lit. Sci.*, 15 : 336, 1849.

*Pseudeutropius goongwaree*, Gunther, *Cat. Fish. Brit. Mus.*, 5 : 61, 1864. Day, *Fish. India*, p. 471, Pl. 109, fig. 3, 1877 (Rivers of Deccan. Bengal, Burma excluded). Day, *Faun. Brit. Ind. fish.*, 1 : 137, fig. 60, 1889.

*Eutropiichthys goongwaree*, Hora, *J. Bombay nat. Hist. soc.*, 39 : 435 fig. 4a, 1937. Misra, *Faun. India Pisces*, 3 : 165-166, 1976 (Maharashtra, Andhra. Madras excluded). Jayaram, *HBFW Fish. India*, p.224, 1981 (Andhra Pradesh and Maharashtra). Talwar and Jhingran, *Inland Fish.*, 2 : 601, 1991 (Pennisular India upto Krishna). Venkateswarlu, Rema Devi and Indra, *Rec. Zool. Surv. India Occ. Pap.*, 1992 (Pennar river, Mylavaram Dam, Cuddappah) In Press.

**Distribution** : Pennisular India : Maharashtra and Andhra Pradesh (Krishna and Pennar river systems).

**Habitat** : Rivers and canals.

**Size** : 30.0 cm TL.

331. *Eutropiichthys murius* (Hamilton)

*Pimelodus murius* Hamilton, *Fish. Ganges*, p. 195, 378, 1822 (Type-locality : Mahananda river).

*Eutropius murius*, Gunther, *Cat. Fish. Brit. Mus.*, 5 : 54, 1864 (Mahanaanda river).

*Pseudeutropius murius* Day, *Fish. India*, 472, Pl. 108, fig. 6, 1877 (Rivers of Bengal and Assam.) Day, *Faun. Brit. Ind. Fish.* 1 : 129, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 88, 1937 (Tista, Darjeeling).

*Eutropiichthys murius*, Hora, *J. Bombay nat. Hist. Soc.*, 39 : 435, text fig. 4C, 1937 (rivers of Sind, Orissa, the Jamuna and the river of Bengal and Assam). Meñon, *Int. Fish. Soc. India Spl. Publ.*, 1 : 69, 1974 (North India, Bangladesh. Pakistan excluded). Misra, *Faun. India Pisces*, 3 : 167, 1976 (The Yamuna, the rivers of West Bengal, Assam and Bangladesh. Orissa and Sind excluded). Jayaram, *HBFW Fish. India*, p.224, 1981 (North India, Yamuna, rivers of W Bengal

and Assam. Bangladesh. Pakistan and Orissa excluded). Talwar and Jhingran, *Inland Fish.*, 2 : 602, 1991 (Yamuna, rivers of West Bengal, Assam, Bihar, Bangladesh and Nepal. Orissa excluded).

*Distribution* : North India : Gangetic river systems. Nepal. Bangladesh.

*Habitat* : Freshwaater streams and rivers.

*Size* : 20.0 cm TL.

### 332. *Eutropiichthys vacha* (Hamilton)

*Pimelodus vacha* Hamilton, *Fish. Ganges*, pp. 196, 378, Pl. 19, fig. 64, 1822 (Type-locality : larger freshwater rivers of the Gangetic provices).

*Pachypterus punctatus* Swainson, *Nat. Hist. Animal.* 2 : 306, 1839.

*Bagrus vacha*, Valenciennes, *Hist. Nat. Poiss.*, 14 : 392, 1839. Bleeker, *Verh. Bat. Gan.*, 25 : 56, 112, 1854.

*Eutropiichthys vacha* Bleeker, *Versl. Akad. Amsterdam.*, 14 : 398, 1862. Bleeker, *Ned. Tijds. Dierk.*, 1 : 107, 1863. Gunther, *Cat. Fish. Brit. Mus.*, 5 : 38, 1864 (Bengal). Day, *Fish. India*, p. 490, Pl. 114, fig. 6, 1877 (from the Punjab through the large rivers of Sind, Bengal, Orissa and Burma). Day, *Faun. Brit. Ind. Fish.*, 1 : 128, fig. 55, 1889. Vinciguerra, *Ann. Mus. civ. Stor. nat. Genova*, (2) 9 : 199, 1890. Vinciguerra, *Pisci di Birmania*, 28, 1890 (Mandalay, Bhamo). Bridge and Haddon, *Phil. Trans. roy. Soc. London*, (B), 184 : 201, 1894. Prashad and Mukerji, *Rec. Indian. Mus.*, 31 : 175, fig. 2, 3, 1929 (Indawgyi Lake; the Indaw R., Nam Ting R.). D'Abrie, *Rec. Nagpur Mus.*, 9 : 2, 34, 1936 (Mahanadi River). Hora, *J. Bombay nat. Hist. Soc.* 39 : 436, text figs. 4b, 5, 1937. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 6, 86, 1938 (not found locally but frequently brought to Siliguri by rail probably from Bihar). Nair, *Rec. Indian Mus.*, 40 : 183, text-figs. 1, 2, 1938. Menon, *Rec. Indian Mus.*, 47 : 234, 1950 (Kosi river about 3 miles from Nepal). Job, David and Das, *Indian J. Fish.*, 2 : 35, 1955 (Mahanadi river). Menon, *Inland Fish. Soc. India Spl. Publ.*, 1 : 69, 1974. Misra, *Faun. India Pisces*, 3 : 168, 1976 (Throughout Northern India, Nepal, Bangladesh, Burma, Thailand). Jayaram, *HBFW Fish. India*, p. 224, 1981 (Northern India upto Mahanadi. Pakistan. Bangladesh. Nepal. Burma. Thailand). Talwar and Jhingran, *Inland fish.*, 2 : 603, 1991 (Northern India upto Orissa. Bangladesh. Burma. Thailand).

*Distribution* : Northern and North-Eastern India upto Orissa. Pakistan. Bangladesh. Nepal. Burma. Thailand.

*Habitat* : Large rivers and estuaries.

*Size* : 30.0 cm TL.

Genus 72 : **Proeutropiichthys** Hora

*Proeutropiichthys* Hora, *Curr. Sci.*, **5** : 353, 1937 (Type, *Eutropius macrophthalmus* Blyth).

333. *Proeutropiichthys taakree*\* (Sykes)

*Hypophthalmus taakree* Sykes, *Proc. Zool. Soc. Lond.*, (**6**) : 163, 1838. Sykes, *Trans. Zool. Soc. Lond.*, **2** : 369, Pl. 64, fig. 4, 1841 (Beema river near Pairgaon).

*Schilbe sykesii*, Jerdon, *Madras. J. Lit. Sci.*, **15** : 335, 1849 (Cauvery).

*Bagrus taakree*, Jerdon, *Madras J. Lit. Sci.*, **15** : 336, 1849. Bleeker. *Verh. Bat. Gen.*, **25** : 56, 1853.

*Pseudeutropius megalops* Gunther, *Cat. Fish. Brit. Mus.*, **5** : 60, 1864.

*Pseudeutropius longimanus* Gunther, *Cat. Fish. Brit. Mus.*, **5** : 60, 1864.

*Eutropius taakree*, Day, *Proc. Zool. Soc. Lond.*, 564, 1867.

*Pseudeutropius taakree*, Day, *Proc. Zool. Soc. Lond.*, 617, 1867. Day (in part) *Fish. India*, p. 471, Pl. 109, fig. 4, 1877 (Poona, Deccan, Krishna river. Jamuna excluded) Day, *Faun. Brit. Ind. Fish.*, **1** : 138, 1889. Chacko and Kuriyan *Proc. Ind. Acad. Sic.*, **28** : 171, 1948 (Thungabhadra, Nidusiri, Kurnool, Madras).

*Proeutropiichthys taakree*, Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40** : 23, 1938 (Deolali). Hora, *Rec. Indian Mus.*, **43** : 106, 1941 (Poona, Deolali, Hyderabad, Deccan, Godavary). Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43** : 22, 1941 (Poona). Hora (in part) *Rec. Indian Mus.*, **43** : 106, text fig. 4, 1941. Misra (in part) *Faun. India Pisces*, **3** : 176, 1976 (Throughout India. Burma excluded). Jayaram, *HBFW Fish. India*, p. 218, 1981 (Western Ghats, Kerala, Maharashtra. Burma excluded).

*Proeutropiichthys taakree taakree*, Talwar and Jhingran, *Inland fish.*, **2** : 209, 1991 (Peninsular India).

*Distribution* : Peninsular India : Deccan.

*Habitat* : Freshwater and tidal rivers.

*Size* : 40.0 cm TL.

Genus 73 *Pseudeutropius* Bleeker

*Pachypterus* Swainson, *Nat. Hist. Animal*, **2** : 306, 1839 (Type, *Silurus atherinoides*

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\* *Proeutropiichthys taakree macrophthalmus* (Blyth) is known from Burma.

Bloch; inadmissible being preoccupied in Coleoptera).

*Pseudeutropius* Bleeker, *Verh. Akad. Amsterdam*, **14** : 398, 1862 (Type, *Pseudeutropius brachyopterus* Bleeker).

334. *Pseudeutropius atherinoides* (Bloch)

*Silurus atherinoides* Bloch, *Natuges Ausland Fische*, **8** : 48, Pl. 371, fig. 1, 1794 (Type-locality : Tranquebar).

*Pimelodus urua* Hamilton *Fish. Ganges*, p. 177, 377, 1825 (Type-locality : Northern Bengal). Hora, *Mem. Indian Mus.*, **9** : 21, fig. 4, 1929.

*Pimelodus argius* Hamilton, *Fish. Ganges*, pp. 180, 377, Pl. 29, fig. 59, 1822 (Type-locality : Bengal)

*Bagrus atherinoides*, Valenciennes (in C & V), *Hist. Nat. Poiss*, **14** : 396, 1839. Bleeker, *Verh. Bat. Gen.*, **25** : 56, 1853.

*Bagrus angius*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, **14** : 395, 1839. Bleeker, *Verh. Bat. Gen.*, **25** : 54, 1853.

*Bagrus urua*, Valenciennes (in C & V) *Hist. Nat. Poiss.*, **14** : 395, 1839. Bleeker, *Verh. Bat. Gen.*, **25** : 56, 1853.

*Pachypterus atherinoides*, Swainson, *Nat. Hist. Fish.*, **2** : 306, 1839.

*Pachypterus trifasciatus* Swainson, *Nat. Hist. Fish.*, **2** : 306, 1839.

*Bagrus atherinoides*, Jerdon, *Madras. J. Lit. Sci.*, **15** : 336, 1849 (Ponds near Madras).

*Bagrus exodon* Bleeker, *Verh. Bat. Gen.* **25** : 111, 1853.

*Pseudeutropius atherinoides*, Gunther, *Cat. Fish. Brit. Mus.*, **5** : 58, 1864. Day, *Fish. India*, p. 473, Pl. 109 fig. 2, 1877 (Throughout Sind and India, excluding Western Coast). Beavan, *HBFW Fish. India.*, p. 132, 1877. Day, *Faun. Brit. India Fish.*, **1** : 141, 1889. D'Abrue, *Rec. Nagpur Mus.*, **9** : 35, 1936 (Mahanadi, Orissa). Hora, *Rec. Indian Mus.*, **43** : 103, fig. 3, 1941 (Revision). De Witt, *Stanford Ichth. Bull.*, **7**(4) : 79, 1960 (Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1, 70, 1974 (Peninsular India, Eastern Himalaya, Bangladesh and Burma). Misra, *Faun. India Pisces*, **3** : 179, 1976 (Throughout India, excluding Western coast, Bangladesh and Pakistan). Jayaram, *HBFW Fish. India*, p. 217, 1981 (Throughout India, except Kerala, Pakistan. Nepal, Bangladesh). Talwar and Jhingran, *Inland fish.* **2** : 606, fig. 200, 1991 (Pakistan, Peninsular India, (not below Cauvery system, Eastern Himalayas, Bangladesh, Nepal and Burma).

*Pseudeutropius acutirostris* Day, *Proc. Zool. Soc. Lond.*, p. 618, 1869 (Burma).

*Pseudeutropius atherinoides* var. *walkeri* Chaudhuri, *Rec. Indian Mus.*, **7** : 444, Pl. 41, fig. 3, 1912 (Sirpur, Saran, Bihar).

*Distribution* : Throughout India except Kerala. Pakistan. Bangladesh. Nepal. Burma.

*Habitat* : Rivers and estuaries.

*Size* : 15.0 cm TL.

### 335. *Pseudeutropius mitchelli* Gunther

*Pseudeutropius mitchelli* Gunther, *Cat. Fish. Brit. Mus.*, **5** : 59, 1864 (Type-locality Madras Presidency). Hora, *Rec. Indian Mus.*, **43** : 104, 1941. Misra, *Faun. India Pisces*, **3** : 181, 1976 (Madras; probably old Madras Presidency). Jayaram, *HBFW Fish. India*, p.217, 1981 (Madras probably Madras Presidency). Talwar and Jhingran, *Inland Fish.*, **2** : 207, 1991 (Kerala).

*Pseudeutropius sykesii* (nec Jerdon), Day, *Fish. India*, p. 473, Pl. 109, fig. 5, 1877 (West coast of India). Day, *Faun. Brit. India Fish.*, **1** : 140, 1889.

*Distribution* : Peninsular India : Western Ghats : Kerala.

*Habitat* : Freshwater Rivers.

*Size* : 90.0 cm TL.

### Genus 74 : *Neotropius* Kulkarni

*Neotropius* Kulkarni, *Rec. Indian Mus.*, **49** (3-4); 231, 1952 (Type, *Neotropius khavalchor* Kulkarni).

### 336. *Neotropius khavalchor* Kulkarni

*Neotropius khavalchor* Kulkarni, *Rec. Indian Mus.*, **49** : 232, figs. 1, 2, 1952 (Type-locality : Krishna river, near Islampur, Satara Dist. Panchaganga river, near Kolhapur). Misra, *Faun. India Pisces*, **3** : 172, 1976 (Krishna river, Maharashtra). Jayaram, *HBFW Fish. India*, p. 218, 1981 (Krishna river in Maharashtra and Andhra Pradesh). Talwar and Jhingran, *Inland Fish.*, **2** : 605, 1991 (Krishna river, Maharashtra and Andhra Pradesh). Venkateswarlu et al., *Rec. Zool. Surv. India, Occ. Pap.*, 1992 (Middle Pennar River Dam, Cuddaph, Andhra Pradesh. In Press).

*Distribution* : Peninsular India : Maharashtra (Krishna river system), Andhra Pradesh (Middle Pennar River).

*Habitat* : Slow moving turbid streams.

*Size* : 15.0 cm TL.

*Status* : Rare.

Genus 75 : *Silonia* Swainson

*Silonia* Swainson, *Nat. Hist. Animal.*, **2** : 305, 1839 (Type, *Silonia lurida* Swainson = *Pimelodus silondia* Hamilton).

*Silundia* Valenciennes, *Hist. Nat. Poiss.*, **15** : 49, 1840 (Type, *Pimelodus silondia* Hamilton).

*Silonopangasius* Hora, *Curr. Sci.*, **5** : 352, 1937 (Type, *Ageneiosus childreni* Sykes).

337. *Silonia childreni* (Sykes)

*Ageneiosus childreni* Sykes, *Proc. Zool. Soc. Lond.*, p. 165, 1838. Sykes, *Trans. Zool. Soc. Lond.*, **2** : 375, 1841 (Type-locality : Mutha-Mula river, Poona).

*Silundia sykesii* Day, *Trans. Linn. Soc. Lond.*, **1, 12** : 569, 1876 (Type-locality : Kistna river). Day, *Fish India*, p.487, Pl. 114, fig. 2, 1877 (Rivers of the Deccan and the Kistna and Godavary to their terminations). Day, *Fauna. Brit. Ind. Fish.*, **1** : 144, 1889. Chacko, *J. Bombay nat. Hist. Soc.*, **1**, 1948 (Periyar lake).

*Silonopangasius childreni*, Hora, *Rec. Indian. Mus.*, **43** : 98, fig. 1, 1941. Hora and Misra, *J. Bombay nat. Hist. Soc.*, **43** : 222, 1942 (Poona). Chacko, Kuriyan and Thyagarajan, *Contr. Freshwater Fish. Biol. Stn. Madras*, No. **12** : 19, 1956 (Cauvery. R).

*Silundia silundia* (*nec* Ham.), Chacko and Kuriyan, *Proc. Indian Acad. Sci. India*, **28** : 171, 1948 (Thungabhadra River).

*Silonia childreni*, Silas, *Proc. nat. Inst. Sci. India*, **18** (5) : 433, 1952 (Specific status discussed). David, *Proc. nat. Acad. Sci. India*, **38**(2B) : 282, 1963 (Krishna and Godavary). Jayaram, *HBFW Fish. India*, p.225, 1981 (Krishna, Godavary and Cauvery river systems). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, **36** : 90, 1982 (Cauvery river). Talwar and Jhingran, *Inland Fish.*, **2** : 611, 1991 (Krishna, Godavary and Cauvery river systems).

*Distribution* : Peninsular India : Western Ghats Krishna, Godavary and Cauvery river systems.

*Habitat* : Large rivers and reservoirs.

*Size* : 48.0 cm TL.

338. *Silonia silondia* (Hamilton)

*Pimelodus silondia* Hamilton, *Fish. Ganges*, pp. 160, 378, Pl. 7, fig. 50, 1822 (Type-

locality : Gangetic estuaries).

*Silonia lurida* Swainson, *Nat. Hist. Animal.*, 345, fig. 85, 1838.

*Silundia gangetica* Valenciennes, *Hist Nat. Poiss.*, 15 : 49, 426, 1840 (Type-locality : Ganges). Bleeker, *Verh. Bat. Gen.*, 25 : 118, 1853. Blyth, *Proc. Asiat. Soc. Beng.*, p. 28, 1858. Bleeker, *Nat. Tijds: Dierk.*, 1 : 108, 1863. Gunther, *Cat. Fish. Brit. Mus.*, 5 : 65, 1864 (Ganges). Day, *Fish. India*, p.488, Pl. 114, fig. 3, 1877 (Estuaries of India and Burma). Day, *Faun. Brit. Ind. fish.*, 1 : 145, fig. 62, 1889. Bridge and Haddon, *Phil Trans. Roy. Soc. Lond. (B)* 184 : 222, 223, 1894 (air-bladder). D'Abrue, *Rec. Nagpur Mus.*, 9 : 37, 1936 (Mahanadi river).

*Silonia silondia*, Hora, *Curr. Sci.*, 5 : 352, 1937. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 89, fig. 87, 1937 (Siliguri bazar). Nair, *Rec. Indian Mus.*, 40 : 5-11, 6 figs. 1936 (air-bladder). Hora, *J. Bombay nat. Hist. Soc.*, 40 : 141, 1938. Job, David and Motwani, *J. Asiat. Soc. Beng.*, 18 : 170, 1952 (Below Anderson weir, Damodar, R.). Chacko, Kuriyan and Thyagarajan, *Contr. Freshwater Fish. Biol. Stn Madras*, No. 12 : 19, 1954 (Cauvery river excluded). Job, David and Das, *Indian. J. Fish.*, 2 : 15, 1955 (Mahanadi river). Misra, *Faun. India Pisces* 3 : 185, 1976 (Damodar, Mahanadi. Cauvery and Thungabhadra rivers excluded). Jayaram, *HBFW Fish. India*, p. 225, 1981 (Northern India. Burma. Pakistan, Occurrence in Burma is doubtful). Talwar and Jhingran, *Inland Fish.*, 2 : 612, 1991 (Pakistan : Indus river; India : Indo-Gangetic basin. Bangladesh. Nepal. Burma).

**Distribution** : India : Indo-Gangetic basin and Mahanadi. Pakistan. Bangladesh. Nepal.

**Habitat** : Large rivers and estuaries,

**Size** : 183.0 cm TL., commonly 90-100 cm in fresh and tidal waters; hilly regions C. 23 cm.

Family 10 : PANGASIIDAE  
Genus 76 : *Pangasius* Valenciennes

*Pangasius* Valenciennes, *Hist. Nat. Poiss.*, 15 : 45, 1849 (Type, *Pangasius buchanani* Valenciennes = *Pimelodus pangasius* Hamilton).

339. *Pangasius Pangasius* (Hamilton)

*Pimelodus pangasius* Hamilton, *Fish. Ganges*, pp. 163, 376, Pl. 33, fig. 52, 1822 (Type-locality estuaries of Bengal).

*Pangasius buchanani* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 15 : 45, Pl. 425, 1840 (=pangasius Ham.). Bleeker, *Verh. Bat. Gen.*, 25 : 118, 1853. Blyth, *Proc. Asiat. Soc. Beng.*, 286, 1858. Gunther, *Cat. Fish. Brit. Mus.*, 5 : 62,

1864. Day, *Proc. Zool Soc. Lond.*, p. 709, 1871. Day, *Report F.W.Fish Fisheries Ind. Burma*, 264, 1873. Day, *Fish. India*, p. 470 Pl. 108, fig. 5, 1877. Day, *Faun. Brit. Ind. Fish.*, 1 : 142, fig. 61, 1889. Vinciguerra, *Ann. Mus. Civ. nat. Genova*, 9(2) : 211, 1890 (Rangoon). Bridge and Haddon, *Phil. Trans. Roy. Soc. Lond.*, (B), 184 : 214, 1893. Lloyd, *Rec. Indian Mus.*, 1 : 222, 1907 (Akyab). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 86, fig. 84, 1937 (Siliguri Bazar).

*Pangasius djambal* Bleeker, *Nat. Gen. Arch. Ned. Ind.*, 3(2): 290, 1846 (Type-locality : Java). Bleeker, *Atl. Ichth.*, 2 : 73, Pl. 7, 1862. Bleeker, *Nat. Geneesk. Arch. Ned. Ind.*, (2) 3 : 290, 1864. Gunther, *Cat. Fish. Brit. Mus.*, 5 : 62, 1864 (Java).

*Pangasius pangasius*, Nair, *Rec. Indian Mus.*, 39 : 117, 1937. Hora, *J. Bombay nat. Hist. Soc.*, 40 : 362 figs. 3, 4, 1937 (India : Orissa, Bhavani river. Burma. Siam. Malay Peninsula. Java). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 87, 1937 (Siliguri Bazar). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 71, 1974. Misra *Faun. India Pisces*, (1) 3 : 174, 1976 (India, Burma, Malay Peninsula, Thailand, Java. Pakistan excluded). Talwar and Jhingran, *Inland fish.*, 2 : 613, 1991 (India. Bangladesh. Burma. Thailand. Malya Peninsula and Java. Pakistan excluded).

*Pangasius pangasius godavarii* David, *Proc. Indian Acad. Sci.*, 56 (3) : 151, fig. 3, 1962 (Godavari river at Rajamundry, Andhra Pradesh).

*Pangasius pangasius upiensis* Srivastava, *Fish. East. U.P.*, p. 97, fig. 60, 1968 (Type-locality : Rohini and Rapti river, Gorakhpur Dist., Uttar Pradesh).

*Pangasius pangasius pangasius*, Jayaram, *HBFW Fish. India*, p.227, 1981 (India, Burma, Thailand, Malaya, Vietnam. Indonesia. Pakistan excluded).

*Distribution* : India. Burma. Malay Peninsula. Java. Thailand.

*Habitat* : Large rivers and estuaries.

*Size* : 1.5m TL.

*Status* : Vulnerable.

Family 11 : AMBLYCIPITIDAE (Amblycepidae)

Genus 77 *Amblyceps* Blyth

*Amblyceps* Blyth, *Proc. Asiat. Soc. Beng.*, 27 : 282, 1858 (Type, *Amblyceps caecutiens* Blyth = *Pimelodus mangois* Hamilton).

*Branchiosteus* Gill, *Proc. Boston Nat. Hist. Soc.*, 8 52, 1862 (Type, *Olyra laticeps* McClelland).

340. *Amblyceps laticeps* (McClelland)

*Olyra laticeps* McClelland, *Calcutta J. Nat. Hist.*, 2 : 588, Pl. 21, 1842 (Type-locality : Khasi Hills). Day, *Fish. India*, 475, 1877 (Khasi Hills). Day, *Faun. Brit. India Fish.*, 1 : 122, 1889. Misra, *Faun. India Pisces*, 3 : 144, 1976 (Assam).

*Branchiosteus laticeps*, Gill, *Proc. Boston Nat. Hist. Soc.*, 52, 1862. Gunther, *Cat. Fish. Brit. Mus.*, 5 : 98, 1864 (Khasya Mountain).

*Distribution* : India : Meghalaya : Khasi Hills. Bangladesh.

*Habitat* : River beds with huge boulder outcrops at the base of hills.

*Size* : 4.6. cm TL.

*Status* : Vulnerable.

341. *Amblyceps mangois* (Hamilton)

*Pimelodus mangois* Hamilton, *Fish. Ganges*, P.199, 379, 1822 (Type-locality : Northern Bihar). Bleeker, *Verh. Bat. Gen.*, 25 : 58, 1853. Hora, *Mem. Indian. Mus.*, 9 (4) : 188, Pl. 22, fig. 4 (From Hamilton's Ms drawings), 1929.

*Pimelodus indicus* McClelland, *Calcutta J. Nat. Hist.*, 27 : 584, 1842 (Ludhiana).

*Amblyceps caecutiens* Blyth, *J. Asiat. Soc. Beng.*, 27 : 282, 1858 (Pegu). Gunther, *Cat. Fish. Brit. Mus.*, 5 : 190, 1864 (Northern Bihar).

*Amblyceps mangois*, Blyth, *J. Asiat. Soc. Beng.*, 29 : 153, 1860 (Sitang river and its tributaries, Tenasserim, Lower Burma). Gunther, *Cat. Fish Brit. Mus.*, 5 : 190, 1864 (Northern Bihar). Day, *Proc. Zool. Soc. Lond.*, 524, 1869. Beavan, *HBFW Fish. India*, pp. 149, 210, 1877 (Ganges and Jamuna). Day, *Fish. India*, p.490, Pl. 102, fig. 6, Pl. 117, fig. 1, 1877 (Kangra, Jamna, Ghazipur, Purniah Dist., Darjeeling, Moulmein in Burma). Day, *Faun. Brit. India Fish.*, 1 : 123, fig. 52, 1889 (Himalayas, Jumna, Burma to Moulmein). Viciguerra, *Pesci di Birmanica*, p. 28, 1889 (Meetan, Tenasserim). Boulenger, *Ann. Mag. nat. Hist.*, (6) 2 : 200, 1893, (Southern Shan States). Chaudhuri, *Rec. Indian. Mus.*, 8 : 252, 1913 (Yenbung, Abor hills). Chaudhuri, *Rec. Indian. Mus.*, 16 : 275, 1919 (Hill streams on the Putao plains). Hora, *Rec. Indian Mus.*, 22 (5) : 738, 1921 (Sivoke river, Darjeeling Dist.). Hora, *J. Bombay nat. Hist. Soc.*, 36 (2) : 550, figs. 17-18, 1933 (Sevoke stream, Teesta Valley below Darjeeling). Mukerji, *J. Bombay nat. Hist. Soc.*, 36 (4) : 819, 1933 (Sinan Hka, Phungin Hka and tributary streams of Mali Hka, Myitkyina Dist., Upper Burma). Hora, *Rec. Indian. Mus.*, 35 : 607, figs. 1-7, 1933 (Kangra, Ghazipur, Siliguri, Sivoke, Darjeeling river of Terai and Duars, Abor hills, Manipur Valley, tributaries of Mali Hka river and streams in Putao Plains, Burma, Pak Jong in east-Central Thailand, Nakon Sritamarat, Peninsular Thailand and Chantabum estuary in

South east Thailand). Hora and Mukherji, *Rec. Indian Mus.*, **36** (1) : 124, 1934 (Pegu Yomas). Hora and Mukerji, *Rec. Indian Mus.*, **37** (3) : 382, 1935 (Chindwin and Brahmaputra drainage). Hora and Mukerji, *Rec. Indian Mus.*, **38**(2) : 133, 135, 137, 1936 (Song and Suswa, Eastern Doons). Hora, *Rec. Indian Mus.*, **40**(2) : 170, 1938 (Gumani river near Dhamni and at Kusna, morel river near Bario, Rajmahal hills, Santal Pargana). Hora, *Rec. Indian Mus.*, **40**(2) : 370, 1940 (Mahanadi irrigation canal, Raipur, M.P.). Hora and Nair, *Rec. Indian Mus.*, **43** : 367, 1941 (Timrani nullah, a branch of Anjal river on Timrain road, a little South of Harda, Satpura range, Dist. Hoshangabad). Hora, *Rec. Indian Mus.*, **46** (1-4) : 71, 1948. Hora, *J. Zool. Soc. India*, **1**(1) : 2, 1949 (Rihand river, Pipri Dist., Mirzapur, U.P.). Menon, *Rec. Indian Mus.*, **47**(2) : 229, 230, 1949 (Naya Pataya at Pathankot, Dist. Gurdaspur). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2) : 169, 1952 (Damodar river, Upper Valley). Job, David and Das, *Indian. J. Fish.*, **2**(1) : 1, 1955 (Mahanadi). Motwani and David, *J. Zool. Soc. India*, **9**(11) : 11, 1957 (Sone river). Menon, *J. Zool. Soc. India*, **14**(1) : 29, 1963 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna and Indus drainages). Menon (in part), *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 72, 1974, Misra, *Faun. India Pisces*, **3** : 8, 1976 (Northern and North Eastern India. Pakistan. Burma. Thailand). Jayaram, *HBFW Fish. India*, p. 227, 1991 (Himalayas from Kangra to Assam, Pakistan, Nepal, Bangladesh, Burma, Thailand, Laos. Krishna river system South India excluded). Talwar and Jhingran (in part), *Inland Fish.*, **2** : 615, 1991 (Himalayas from Kangra to Assam, Pakistan, Bangladesh, Burma, Thailand).

*Amblyceps tenuispinis* Blyth, *J. Asiat. Soc. Beng.*, **29** : 153, 1860 (Type-locality : Ghazipur). Gunther, *Cat. Fish. Brit. Mus.*, **5** : 190, 1864 (Ghazipur). Day, *Proc. Zool. Soc. Lond.*, p. 524, 1869. Beavan, *HBFW Fish. India.*, p. 148, 1877 (R. Ganges).

*Amblycetis mangois*, Day, *Proc. Zool. Soc. Lond.*, p. 524, 1869.

*Amblycetis caecutiens* Day, *Proc. Zool. Soc. Lond.*, p. 524, 1869.

*Amblycetis tenuipinnis* Day, *Proc. Zool. Soc. Lond.*, p. 524, 1869.

*Akysis kurzii* Day, *Proc. Zool. Soc. Lond.*, p. 703, 1871 (Pegu).

*Olyra laticeps* (nec McClelland), Hora, *Rec. Indian Mus.*, **38** : 204, 1936 (Young of *Amblyceps mangois*).

**Distribution** : Pakistan. India all along the base of Himalayas from Kangra to Assam, and southwards as far as Krishna system, Bangladesh. Northern Burma. Thailand.

**Habitat** : River beds with sand and pebbles.

Size : 12.7 cm TL.

Family 12 : SISORIDAE

Genus 78 : *Sisor* Hamilton

*Sisor* Hamilton, *Fish. Ganges*, p. 379, 1822 (Type, *Sisor rhabdophorus* Hamilton).

342. *Sisor rhabdophorus* Hamilton

*Sisor rhabdophorus* Hamilton, *Fish. Ganges*, pp. 208, 379, 1822 (Type-locality: Northern rivers of Bengal and Bihar).

*Sisor rhabdophorus*, Gunther, *Cat. Fish. Brit. Mus.*, 5: 262, 1864. Day, *Fish. India*, p. 291, Pl. 1. 115, figs. 1, 1a, 1b, 1877 (Sind Ganges and Jamuna rivers in Northern India, Bengal, Bihar, Delhi). Day, *Faun. Brit. India Fish.*, 1: 105, fig. 43, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 107, 1937 (Siliguri). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 83, 1974 (Indo-Gangetic basin). Misra, *Faun. India Pisces*, 3: 312, 1976 (Jamuna at Delhi, Bihar, Siliguri, Northern rivers of Bengal, Pakistan, Sind). Jayaram, *HBFW Fish. India*, p. 268, 1981 (Indus, Ganges, Jamuna rivers, Pakistan, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 2: 681, 1991 (Indus river system, Ganga, Yamuna. Brahmaputra system excluded).

**Distribution** : India : Northern rivers of Bengal and Bihar (Ganga system); Delhi (Jamuna system). Pakistan : Sind.

**Habitat** : Sandy beds of clear surface-flowing rivers and large streams at foot-hills.

Size : 20.0 cm TL.

Genus 79 : *Bagarius* Bleeker

*Bagarius* Bleeker, *Verh. Bat. Gen.*, 25: 121, 1853 (Type, *Bagarius buchmanii* Bleeker = *Pimelodus bagarius* Hamilton).

343. *Bagarius bagarius* (Hamilton)

*Pimelodus bagarius* Hamilton, *Fish. Ganges*, pp. 186, 378, Pl. 7, fig. 62, 1822 (Type-locality: not given). Valenciennes (in C. & V), *Hist. Nat. Poiss.*, 15: 146, Pl. 433, 1840. Bleeker, *Verh. Bat. Gen.*, 21: 10, 1847.

*Pachypterus luridus* Swainson, *Nat. Hist. Fish.*, 2: 306, 1839.

*Bagrus yarrelli* Sykes, *Trans. Zool Soc. Lond.*, 2: 370, 1841 (Type-locality: Mutha-Mula, Poona).

*Pimelodus yarrellii* Jerdon, *Madras J. Lit. Sci.*, 15: 341, 1849.

*Pimelodus carnaticus* Jerdon, *Madras J. Lit. Sci.*, 15: 341, 1849.

*Bagarius buchmanani* Bleeker, *Verh. Bat. Gen.*, **25**: 121, 1853.

*Bagarius yarrellii*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 183, 1864. Day, *Fish. India*, 495, Pl. 115, fig. 3, 1877. Day, *Faun. Brit. India Fish.*, **1**: 194, fig. 71, 1889. Roberts, *Copeia*, **2**: 438, figs. 2b and 3, 1983. Talwar and Jhingran, *Inland Fish.*, **2**: 623, 1991 (Pakistan, India, Bangladesh, Burma, Thailand, Laos, Cambodia, Vietnam, Sumatra, Borneo, Java).

*Bagarius bagarius*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3**: 97, 1937 (North Bengal). Hora, *J. Bombay nat. Hist. Soc.*, **40(4)**: 585, 1939 (Revision). De Witt, *Stanford Ichth. Bull.*, **7(4)**: 84, 1960 (Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 73, 1974 (India, Pakistan, Bangladesh, Burma, Thailand, Malay Archipelago and Tonkin). Misra, *Faun. India Pisces*, **3**: 213, 1976 (Large rivers of India. Pakistan. Burma. Tonkin. Thailand. Indonesia). Jayaram, *HBFW Fish. India*. p. 237, 1981 (India, Pakistan, Bangladesh, Nepal, Burma, Thailand, Malaya, East Indies, Tonkin). Roberts, *Copeia*, **2**: 437, figs. 1 and 2a, 1983 (Identity discussed). Talwar and Jhingran, *Inland Fish.*, **2**: 622, 1991 (Ganga river and its tributaries; Chophrya and Mekong basins (Laos), also Pattani river, Malay Peninsula).

*Distribution* : India. Pakistan. Bangladesh. Burma. Thailand. Laos. Combodia. Viet-Nam and Malay Archepelago: Sumatra. Borneo, Java.

*Habitat* : Large rivers, usually of rapids and rocky pools, and estuaries.

*Size* : 2 m TL.

*Status* : Vulnerable.

#### Genus 80 : *Gagata* Bleeker

*Gagata* Bleeker, *Ichth. Arch. Ind. Prodr.*, **1**: 204, 1858 (Type, *Gagata typus* Bleeker = *Pimelodus gagata* Hamilton). Hora and Law, *Rec. Indian Mus.*, **43(1)**: 9-23, 1941 (Revision).

*Callomystax* Gunther, *Cat. Fish. Brit. Mus.*, **5**: 218, 1864 (Type, *Callomystax gagata* Hamilton).

*Nangra* Day, *Fish. India*, P. 493, 1877 (Type, *Pimelodus nangra* Hamilton)

#### 344. *Gagata cenia* (Hamilton)

*Pimelodus cenia* Hamilton, *Fish. Ganges*, p. 174, 376, Pl. 31, fig. 57, 1822 (Type-locality Northern parts of Bengal, in rivers).

*Gagata cenia* Day (in part), *Fish. India*, p. 492, Pl. 115, figs. 4, 5, 1877. Day (in part), *Faun. Brit. Ind. Fish.*, **1**: 208, 1889. Vinciguerra, *Ann. Mus., Civ.*

*Stor. Nat. Geneva*, (2)9: 121, 1890 (Rangoon, Mandalay, Bhamo). Hora, *Rec. Indian Mus.*, 22: 182, 1921 (Imphal and Amambi streams). Hora, *Rec. Indian Mus.*, 40: 180, fig. 6, 1938 (Morel river, Rajmahal hills, Santal parganas). Das, *Rec. Indian Mus.*, 41: 438, 1939 (Hazaribagh District). Hora and Law, *Rec. Indian Mus.*, 43: 21, Pl. 1, figs. 5, 6, 1941 Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 77, 1974 (Chenab in Punjab, Gangetic system, Assam, Orissa and Chindwin system). Misra, *Faun. India Pisces*, 3: 223, 1976 (Punjab, Delhi, U.P., Bihar, W. Bengal, Orissa, Assam, Burma, Pakistan, Bangladesh, Nepal). Jayaram, *HBFW Fish. India*; p. 239, 1981 (Punjab, Delhi, U.P., Bihar, W. Bengal, Assam, Orissa, Bangladesh, Burma, Pakistan, Nepal). Talwar and Jhingran, *Inland Fish.*, 2: 637, 1991 (Punjab, Delhi, U.P., Bihar, W. Bengal, Assam, Orissa, Burma, Bangladesh, Nepal, Pakistan, Chindwin).

*Gagata youssoufi* Rahman, *Bangladesh J. Biol. Sci.*, 5(1): 5, fig. 1, 1976 (Type-locality : Meghna river, Chandpur, Bangladesh).

*Distribution* : India: Punjab, Delhi, U.P., Bihar, W Bengal, Orissa, Assam. Burma: Chindwin drainage. Pakistan, Bangladesh. Nepal.

*Habitat* : Fresh and tidal rivers.

*Size* : 15.0 cm TL.

#### 345. *Gagata gagata* (Hamilton)

*Pimelodus gagata* Hamilton, *Fish. Ganges*, pp. 197, 379, Pl. 39, fig. 65, 1822 (Type-locality Freshwater rivers and estuaries of Bengal).

*Gagata cenia* Day (in part), *Fish. India*, 492, Pl. 115, fig. 4, 1877 (The specimen figured was from Calcutta). Day (in part), *Faun. Brit. Ind. Fish.*, 1: 208, fig. 75, 1889. Hora and Law, *Rec. Indian Mus.*, 43: 15, Pl. 1 figs. 1, 2, 1941 (Allahabad, Hooghly river, Pular river, Khulna, Prome, Burma). Misra, *Faun. India Pisces*, 3: 224, 1976 (U.P., W. Bengal, Bangladesh, Irrawaddi river system). Jayaram, *HBFW Fish. India*, p. 239, 1981 (U.P., W. Bengal, Bangladesh, Burma). Talwar and Jhingran, *Inland Fish.*, 2: 638, (Ganga and Brahmaputra systems, Bangladesh, Burma).

*Distribution* : India: U.P., West Bengal (Ganga and Brahmaputra systems). Bangladesh (Padma river system). Burma (Irrawaddy river system).

*Habitat* : Rivers and estuaries.

*Size* : 30.0 cm TL.

#### 346. *Gagata itchkeea* (Sykes)

*Phractocephalus itchkeea* Sykes, *Proc. Zool. Soc. Lond.*, (6), 164, 1938 (Type-locality Deccan). Sykes, *Trans. Zool. Soc. Lond.*, 2: 373, Pl. 67, fig. 1, 1841.

*Bagrus itchkeea*, Bleeker, *Verh. Bat. Gen.*, **25**: 56, 1853.

*Pimelodus itchkeea*, Jerdon, *Madras J. Lit. Sci.*, **15**: 341, 1849.

*Macrones itchkeea*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 84, 1864 (Dukhun).

*Hemipimelodus itchkeea*, Day, *J. Linn. Soc. (Zool.)*, **12**: 571, 1865.

*Gagata itchkeea*, Day, *Fish. India*, p. 492, Pl. 115, fig. 1, 1877 (rivers of the Deccan, Poona). Day, *Faun. Brit. Ind. Fish.*, **1**: p. 209, 1889. Hora and Law, *Rec. Indian Mus.*, **43**: 18, Pl. 1 figs. 3, 4, 1941 (Deolali, Poona, Satara. Cauvery, Bheema excluded). Misra, *Faun. India Pisces*, **3**: 226-228, 1976 (Deolali, Poona, Satara. Cauvery river, Mysore and Burma excluded).

*Nangra viridescens* (*nec* Hamilton), Hora *Rec. Indian Mus.*, **39**: 19, 1937 (Cauvery river, Coorg). Hora and Misra (*nec* Hamilton), *J. Bombay nat. Hist. Soc.*, **39**: 511, 1937 (Deolali). Hora and Misra (*nec* Hamilton), *J. Bombay nat. Hist. Soc.*, **40**: 23, 1938 (Poona).

*Nangra itchkeea*, Jayaram, *HBFW Fish. India*, **241**, 1981 (Maharashtra, Karnataka. Burma excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 675, 1991 (Maharashtra and Karnataka).

**Distribution** : Peninsular India: Maharashtra: Deolali, Poona, Satara. Its occurrence in Cauvery river needs further confirmation.

**Habitat** : Rapid flowing streams of the higher reaches of rivers.

**Size** : 5.0 cm TL.

### 347. *Gagata nangra* (Hamilton)

*Pimelodus nangra* Hamilton, *Fish. Ganges*, pp. 193, 378, Pl. 11, fig. 63, 1822 (Type-locality : River Kosi). Bleeker, *Verh. Bat. Gen.*, **28**: 58, 1854.

*Macrones nangra*, Day, *Proc. Zool. Soc. Lond.*, p. 288, 1871 (R. Ganges at Allahabad).

*Nangra buchanani*, Day, *Fish. India*, p. 494, Pl. 113, fig. 3, 1877 (Type-locality : Ganges, Jumna and Indus; the specimen figured was from Delhi). Day, *Faun. Brit. Ind. Fish.*, **1**: 211, 1889.

*Gagata nangra*, Hora and Law, *Rec. Indian Mus.*, **43**: 26, Pl. 1. figs. 9, 10, 1941 (the Kosi river, the Ganges, Jumna and Indus, the Hooghly at Nawabgunj). Menon, *Rec. Indian Mus.*, **47**: 234, 1949 (Kosi, E. Nepal). De Witt, *Stanford Ichth. Bull.*, **7**(4): 84, 1860 (Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. **1**: 77, 1974 (Indo-Gangetic system). Misra, *Faun. India Pisces*, **3**: 228, 1976 (Yamuna, Kosi, Hooghly rivers. Pakistan Indus system).

*Nangra robusta* Mirza and Awan, *Biologia*, **19**: 145, fig. 1, 1973 (Type-locality : Indus river at Kalabagh, Pakistan).

*Nangra nangra*, Jayaram, *Rec. Zool. Surv. India. Occ. Pap.*, No. 14:13, fig. 10a, 1976. Jayaram, *HBFW Fish. India*, p. 241, 1981 (Yamuna, Ganga, Kosi, Hooghly, Pakistan, Bangladesh, Nepal). Talwar and Jhingran, *Inland Fish.*, **2**: 676, 1991 (Ganga and Yamuna river systems, Pakistan, Bangladesh, Nepal).

*Distribution* : India: Yamuna and Ganga river systems. Pakistan (Indus system). Bangladesh. Nepal (Kosi river).

*Habitat* : Higher reaches of rivers.

*Size* : 5.0 cm TL.

#### 348. *Gagata sexualis* Tilak

*Gagata sexualis* Tilak, *Zool. Med.*, **44**(14): 207, figs. 1-6, 1976 (Type-locality : North Kavel river at Daltonganj and Chota Nagpur). Jayaram, *HBFW Fish. India*, p. 239, 1981 (Chota Nagpur, Bihar. Yamuna river excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 639, 1991 (Ganga river system and Chota Nagpur. Yamuna at Delhi excluded).

*Distribution* : India : Bihar (Ganga river system) and Chota Nagpur.

*Habitat* : Higher reaches of rivers.

*Size* : 5.8 cm TL.

#### 349. *Gagata viridescens* (Hamilton)

*Pimelodus viridescens* Hamilton, *Fish. Ganges*, pp. 173, 376, Pl. 10, fig. 182 (Type-locality: rivers of the northern parts of Bengal).

*Nangra punctata* Day, *Fish. India.*, p. 494, pl. 115, fig. 8, 1877 (Type-locality: Sone river at Birbhoom). Day, *Faun. Brit. Ind. Fish.*, **1**: 212, fig. 76, 1889.

*Nangra viridescens*, Day, *Fish. India*, p. 494, pl. 115, fig. 7, 1877. Day, *Faun. Brit. Ind. Fish.*, **1**:212, 1889.

*Gagata viridescens*, Hora and Law, *Rec. Indian Mus.*, **43**: 24, Pl. 1, fig. 7, 8, 1941 (Tezpur, Assam, Barakar, Santal Parganas). Menon, *Inland Fish. Soc. India Spl. Publ. No. 1*: 77, 1974. Misra, *Faun. India Pisces*, **3**: 229, 1976 (Yamuna at Delhi, rivers of northern parts of West Bengal, Bihar and Assam, Bangladesh). Jayaram, *HBFW Fish. India*, p. 241, 1981 (Yamuna at Delhi, W.Bengal, Bihar). Talwar and Jhingran, *Inland Fish.*, **2**: 677, 1991 (Delhi, W.Bengal, U.P., Bihar, Assam and Bangladesh).

**Distribution :** India: Yamuna at Delhi, U.P., Bihar, North Bengal, Assam. Bangladesh.

**Habitat :** Higher reaches of rivers.

**Size :** 8.5 cm TL.

Genus 81 : *Glyptosternum* McClelland

*Glyptosternon* McClelland, *Calcutta J. Nat. Hist.*, 2: 584, 1842 (Type, *Glyptosternon reticulatum* McClelland).

*Glyptosternum* Gunther, *Cat. Fish. Brit. Mus.*, 5: 216, 1864 (latinised).

*Parexostoma* Regan, *Ann. Mag. Nat. Hist.*, (7)15: 182, 1905 (Type, *Exostoma stoliczkae* Day).

350. *Glyptosternum maculatum* (Regan)

*Parexostoma maculatum* Regan, *Ann. Mag. Nat. Hist.*, (7) 15: 183, 1905 (Type-locality: Lhasa, Tibet).

*Glyptosternum maculatum*, Hora, *Rec. Indian Mus.*, 25: 36, text fig. 6, 1923 (Lhasa, Gyantse, Tibet; Sikkim). Hora and Silas, *Rec. Indian Mus.*, 49: 10, 1952. Jayaram, *HBFW Fish. India*, p. 248, 1981 (Sikkim, Tibet). Talwar and Jhingran, *Inland Fish.*, 2: 640, 1991 (Sikkim, Tibet).

*Glyptosternon maculatum*, Misra, *Faun. India Pisces*, 3: 300, 1976 (Sikkim, Tibet).

**Distribution :** India: Sikkim (Brahmaputra drainage). China : Tibet: Lhasa and Gyantse.

**Habitat :** Mountain rapids.

**Size :** 25.5. cm TL.

351. *Glyptosternum reticulatum* McClelland

*Glyptosternon reticulatum* McClelland, *Calcutta J. Nat. Hist.*, 2: 584, 1842 (Type-locality : Sar Charhmeh at the source of the Kabul R. Afghanistan). Misra, *Faun. India Pisces*, 3: 301-303, 1976 (Leh, Ladak, Kashmir).

*Glyptosternum reticulatus*, Blyth, *J. Asiat. Soc. Lond.*, 782, 1876 (Type-locality : Leh, Ladak and headwaters of Indus). Day, *Sci. Res. 2nd Yarkand Miss. Ichthyol.*, p. 1, Pl. 1, fig. 1, 1878. Day, *Faun. Brit. Ind. Fish.*, 1: 110, fig. 45, 1889. Hora, *Rec. Indian Mus.*, 36(3): 289, 1934.

*Exostoma oschanini* Herzenstein, *Mel. Biol.*, 13: 69, 1889 (Type-locality Afghanistan).

*Parexostoma stoliczkae* Regan, *Ann. Mag. Nat. Hist.*, (7)15: 183, 1905. Norman, *Ann. Mag. Nat. Hist.*, (9)15: 572, 1925.

*Exostoma labrax* Grazianov, *Trudy Otdela Ichthyologii*, **4**: 58, 1907 (Type-locality : Afghanistan).

*Glyptosternum stoliczkae*, Hora, *Rec. Indian Mus.*, **25**: 37, 1923 (Harwan, Kashmir).

*Glyptosternon stoliczkae*, Misra, *Faun. India Pisces*, **3**: 303, fig. 52, 1976 (Leh, Ladakh, Kashmir).

*Glyptosternum reticulatum*, Hora (in part), *Ann. Mag. Nat. Hist.*, (10)**10**: 179, 1932. Berg (in part), *Poiss. des Eaux Douces de l' U.S.S.R.*, (3rd ed.) pt. 2, 597, figs. 549-551, 1993. Hora, *Rec. Indian Mus.*, **35**: 287, 1934 (Chitral Valley). Mukerji (in part), *Mem. Indian Mus.*, **49**: 8, 1952 (Chitral, Kashmir, Leh, Paghmar and Surchat rivers, Afghanistan). Jayaram, *HBFW Fish. India*, p. 248, 1981 (Kashmir, Afghanistan, Pakistan). Talwar and Jhingran, *Inland Fish.*, **2**: 642, 1991 (Afghanistan, Pakistan, India, Tibet).

*Distribution* : Afghanistan. Pakistan: Swat and Gilgit, Chitral Valley. India: Ladakh and Kashmir Valley. China : Tibet.

*Habitat* : Mountain rapids.

*Size*: 15.8 cm TL.

#### Genus 82 : *Glyptothorax* Blyth

*Glyptothorax* Blyth, *J. Asiat. Soc. Beng.*, **29**: 154, 1861 (Type, *Glyptothorax trilineatus* Blyth).

*Aglyptosternon* Bleeker, *Ned. Tijds. Dierk.*, p. 103, 1863 (Type, *Silurus cous* L = *Aglyptosternon cous* L).

*Euclyptosternum* Gunther, *Cat. Fish. Brit. Mus.*, **5**: 183, 1864 (Type, A substitute for *Aglyptosternon* Bleeker, 1863).

*Euglyptosternum* Day (nec *Aglyptosternon* Bleeker and *Euclyptosternum* Gunther), *Fish. India*, p. 499, 1877.

*Laguvia* Hora, *Rec. Indian Mus.*, **22**: 739, 1921 (Type, *Pimelodus asperus* McClelland).

*Pteroglanis* Fowler, *Proc. Acad. nat. Sci. Philad.*, **86**: 96, 1934.

*Superglyptothorax* Li, *Indo-Pacific Fish. Biology*, p. 524, 1986 (Type, *Glyptothorax coheni* Ganguly, Dutta and Sen).

*Paraglyptothorax* Li, *Indo-pacific Fish. Biology*, p. 524, 1986 (Type, *Glyptosternum pallozonum* Linn.).

352. *Glyptothorax annandalei* \* Hora

*Glyptothorax annandalei* Hora, *Rec. Indian Mus.*, 25: 14, Pl. 1, fig. 3, 1923 (Type-locality: Nierolay stream, Bhavani R., Nilgiris). Hora, *Rec. Indian Mus.*, 40: 372, fig. 3, 1938 (Cauvery watershed). Hora, *J. Zool. Soc. India*, 1: 2, 1949 (Rihand R., Mirzapur Dist.). Menon, *Rec. Indian Mus.*, 47: 234, 1949 (Kosi R., Nepal). Menon, *Rec. Indian Mus.*, 52: 52, 1954 Nilgiris, Rihand R. and Kosi., R. Nepal. Jayaram, *HBFW Fish. India*, p. 253. 1981 (Nilgiri hills). Talwar and Jhingran, *Inland Fish.*, 2: 648, 1991 (Western Ghats and Vindhya; and Nepal).

*Distribution* : Western Ghats: Nilgiri hills (Cauvery Watershed).

*Habitat* : Mountain rapids.

*Size* : 11.5 cm TL.

353. *Glyptothorax cavia* (Hamilton)

*Pimelodus cavia* Hamilton, *Fish. Ganges*. pp. 188-190, 378, 1822 (Type-locality : Northern rivers of Bengal).

*Bagarius cavia* Bleeker, *Verh. Bat. Gen.*, 25: 58, 1853 (Bengal).

*Glyptosternum cavia*, Day, *Fish. India*, pp. 496, 499, 1877 (Northern Bengal : Ramghur Dist.). Day, *Faun. Brit. Ind. Fish.*, 1: 202, 1889 (Northern Bengal).

*Euglyptosternum lineatum* Day, *Fish. India*, p. 500, Pl. 116, fig. 7, 1877 (Type-locality: Jumna, Suddya in Upper Assam). Day, *Faun. Brit. Ind. Fish.*, 1: 202-203, fig. 73, 1889.

*Glyptothorax lineatus*, Hora, *Rec. Indian Mus.*, 25(1): 9, 10, fig. 1a, 1923. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 102-103, fig. 104, 1937 (Sivoke river, Ghish and Chel rivers, Northern Bengal).

*Glyptothorax burmanicus* Prashad and Mukerji, *Rec. Indian Mus.*, 31: 184, fig. 5, Pl. 7, fig. 3, 1929 (Type-locality: Sankha river, Myitkyina, Upper Burma).

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\* *G. annandalei* is closely allied to *G. lonah*, except in the much longer and narrower caudal peduncle of *G. annandalei* (depth 2 times in length versus 1 1/5 in *lonah*). Both have the outer rays of paired fins plaited below but the nature of plaited condition is highly developed in *annandalei* than in *lonah*, the plaited condition being dependent upon the rapidity of water in which the fish lives. *G. annandalei* with a longer and narrower caudal peduncle may represent a race of *G. lonah* (vide Hora, *Rec. Indian Mus.*, 40: 367, 1938). For the time being they are retained as separate species.

*Glyptothorax cavia*, Hora and Menon, *Rec. Indian Mus.*, **46** : 57, 60-61, 65, 70, Pl. 2, figs. 4, 5, and pp. 65, 70, 1948 (Jumna; rivers below Darjeeling; Sankha river, Dist. Myitkyina, Upper Burma). Menon, *Rec. Indian Mus.*, **47**(2): 235, 1950 (Kosi river at Chhatra and Tribeni, Nepal). Menon, *Proc. nat. Inst. Sci. India*, **20**(4) : 469-493, 1954 (Kosi, Rapti, Karnali and Kali rivers). De Witt, *Standford Ichth. Bull.*, **7**(4) : 84, 1960 (Nepal). Menon, *J. Zool. Soc. India*, **14**(1): 29, 1963 (Brahmaputra; Kosi; Bagmati and Gandak and Rapti, Karnali and Kali rivers). Datta, *Rec. Indian Mus.*, **59**(3): 250, 1964 (Bagmati river, Kathmandu valley, Nepal). Tilak and Husain, *Rec. Zool. Surv. India*, **67**(1): 392, 1973 (Tons river, Dist. Dehra Dun). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 78, 1974 (Assam; Burma). Motwani and Saigal, *Indian J. Fish.*, **21**(1): 114, 1975 (Sarda river below barrage, Dist. Pilibhit). Misra, *Faun. India Pisces*, **3**: 261, Pl. 11, figs. 3, 4, 1976 (India : Jumna, Sivok, Ghish and Chel rivers of Terai and Duars, Northern Bengal, Nepal). Pillai and Yazdani, *Rec. Zool. Surv. India*, **72**(1-4): 6, 17, 1977 (Near Siju cave, Garo Hills, Meghalaya). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No. 14 : 31, 36, 1979 (India : North Bengal, Assam, Burma, Bangladesh. Pakistan excluded). Jayaram, *HBFW Fish. India*, p. 253, 1981 (India : North Bengal, Assam, Bangladesh, Nepal, Burma. Pakistan excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 649, 1991 (Northern Bengal and Assam, Nepal, Bangladesh, Burma. Pakistan excluded).

*Distribution* : India: Eastern Himalayas: Assam. Nepal. Bangladesh. Burma.

*Habitat* : Mountain rapids.

*Size* : 16.5 cm TL.

#### 354. *Glyptothorax conirostris* (Steindachner)

*Glyptosternum conirostre* Steindachner, *Sitz. Akad. Wiss. Wien.*, **55**(1) : 532, pl. 5, fig. 2 and pl. 6, fig. 2, 1867 (Type-locality : Simla). Day, *Fish. India*, p. 497, pl. 116, fig. 5, 1877 (Himalayan streams). Day, *Faun. Brit. Ind. Fish.*, **1** : 198, 1889.

*Glyptosternum modestum* Day, *Proc. Zool. Soc. Lond.*, P. 714, 1871 (Simla).

*Glyptosternum lonah* Day (in part), *Fish. India*, p. 496, 1877 (head waters of Jumna). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 196, 1889.

*Glyptothorax conirostris*, Hora, *Rec. Indian Mus.*, **25** : 28, 1923 (error in spelling). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 78, 1974 (Simla, W Himalayas and Mahananda R. at Siliguri and E. Himalayas).

*Glyptothorax conirostre*, Menon, *Rec. Indian Mus.*, **52** : 36, 1954 (Simla, W Himalayas, Mahananda R. at Siliguri; E. Himalayas. China excluded).

*Glyptothorax garhwali* Tilak, *J. Inland Fish. Soc. India*, **1** : 37, figs. 1-4, 6, 1969 (Type-locality Alaknanda river near Srinagar, Dit. Pauri-Garhwal and Sarda river Tanakpur, Dist. Nainital, U.P.). Jayaram *HBFW Fish. India*, p. 253, 1991 (Alaknanda river, Pauri-Garhwal, Sarda river, Tanakpur, Dist. Nainital, U.P.). Baloni and Grover, *Indian J. Forest*, **5**(2) : 132, 1992 (Kedar valley, Chamba, Garhwal). Tilak and Baloni, *Rec. Zool. Surv. India*, **81** (3-4) : 257, 1984 (Tehri-Garhwal). Talwar and Jhingran, *Inland Fish.*, **2** : 652, 1991.

*Glyptothorax cavia* (*nec* Hamilton), Tilak and Hussain (in part), *Rec. Zool. Surv. India*, **76**(1-4) : 392, 1974 (Sarda river, Tanakpur, Dist., Nainital, Uttar Pradesh).

*Glyptothorax cavia conirostre*, Misra, *Faun. India Pisces*, **3** : 262, 1976 (Yamuna near Simla, Mahananda R., Siliguri. China excluded). Jayaram, *HBFW Fish. India*, p. 253, 1981 (Mahananda R and Kangra. China excluded). Talwar and Jhingran, *Inland Fish.*, **2** : 651, 1991 (Simla, Mahananda river, Siliguri, Kangra Valley. China excluded).

*Distribution* : India. Himalayas : From Darjeeling to Kumaon and Garhwal Himalayas and Simla Hills (Yamuna river system) in Himachal Pradesh.

*Habitat* : Mountain rapids.

*Size* : 14.0 cm TL.

### 355. *Glyptothorax dorsalis* Vinciguerra

*Glyptothorax dorsalis* Vinciguerra, *Ann. Mus. Stor. Nat. Gen.*, **29** : 246, pl. 7, fig. 4, 1889 (Type-locality : Meetan, Burma). Vinciguerra, *Pesci. di Burmania*, p. 28, pl. 7, fig. 4, 1890 (Meetan, Burma). Hora, *Rec. Indian Mus.* **21** : 180, 1921 (Manipur Valley and Burma). Hora, *Rec. Indian Mus.*, **25** : 28, 1923.

*Glyptothorax minutus* Hora, *Rec. Indian Mus.*, **22** : 180, fig. 1, 1921 (Type-locality : Imphal stream near Karong). Hora, *Rec. Indian Mus.*, **25** : 27, 1923.

*Glyptothorax platypogonoides* (*nec* Bleeker) Menon, *Rec. Indian Mus.*, **52** : 44, 1954 (Imphal stream Manipur, Pegu Yomas. Nekon Siam excluded). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 80, 1974 (Manipur and Burma. Thailand and Sumatra excluded). Misra, *Faun. India Pisces*, **3** : 274, 1976 (Imphal stream, Manipur, Burma Meetan, Pegu Yomas. Thailand and Sumatra excluded). Jayaram, *HBFW Fish. India*, p. 254, 1981 (India, Burma. Thailand and Sumatra and Pakistan excluded). Talwar and Jhingran, *Inland Fish.*, **2** : 658, 1991 (Manipur Valley and Burma. Thailand, Sumatra and Western Borneo excluded).

*Distribution* : India Manipur Valley. Burma.

*Habitat* : Mountain rapids.

Size : 12.0 cm TL.

### 356. *Glyptothorax gracilis* (Gunther)

*Glyptosternum gracile* Gunther, *Cat. Fish. Brit. Mus.*, **5**:186, 1864 (Type-locality : Nepal).

*Glyptothorax gracilis*, Hora, *Rec. Indian Mus.*, **25**:25, fig.4, 1923 (Spelling error). Tilak and Hussain, *Rec. Zool. Surv. India*, **67**(1-4) : 393, 1973 (Tons river, Haripur, near Kalsi Dist., Dehra Dun). Misra, *Faun. India Pisces*, **3**: 265, 1976 (Sikkim and Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 79, 1974 (Sikkim and Nepal). Tilak and Hussain, *Zool. Jb. Syst.* **104** : 268, 1977 (Kangra Dist. H.P.) Jayaram, *HBFW Fish India*, p.253, 1981 (Sikkim and Nepal). Talwar and Jhingran, *Inland Fish.*, **2**: 653, 1991 (Sikkim and Nepal).

*Glyptothorax gracile*, Menon, *Rec. Indian Mus.*, **52**:48, 1954 (Sikkim and Nepal).

*Glyptothorax dakpathari* Tilak and Hussain, *Ann. Zool. Warszawa*, **33**(14) : 229, figs. 1-8, 1976 (Type-locality : Yamuna river, below Dakpathar barrage, Dist. Dehra Dun, U.P.) Talwar and Jhingran, *Inland Fish.*, **2** : 652, 1991 (Yamuna river, near Dehra Dun.)

**Distribution** : India : Himalayas : From Sikkim and Nepal Himalayas through Kumaon and Garhwal to Yamuna basin in Himachal Pradesh.

**Habitat** : Mountain rapids.

Size : 12.7 cm TL.

### 357. *Glyptothorax housei* Herre

*Glyptothorax housei* Herre, *Stanford Ichth. Bull.*, **11**(4) : 177, fig. 1, 1941 (A mountain stream, Puthutotam Estate, Anamalai Hills, Pollachi, S. India). Menon, *Rec. Indian Mus.*, **52** : 29, 1954. Misra, *Faun. India Pisces*, **3**: 267, 1976 (Anamalai Hills). Jayaram, *HBFW Fish India*, p.253, 1981 (Anamalai Hills). Talwar and Jhingran, *Inland Fish.*, **2**: 653, 1991.

*Glyptothorax prox madraspatanus* Silas, *J. Bombay nat. Hist. Soc.*, **49**(4): 676, figs. 1,2,3, 1951 (Stream at the base of Anamalai Hills).

*Glyptothorax anamalaiensis* Silas, *J. Bombay nat. Hist. Soc.*, **50**(2): 370, 1951. Jayaram, *HBFW Fish India*, **2**: 648, 1991 (Anamalai Hills).

**Distribution** : India : Kerala Anamalai Hills.

**Habitat** : Mountain rapids.

Size : 10.0 cm TL.

358. *Glyptothorax indicus* Talwar and Jhingran

*Glyptothorax horai* (nec *Pteropsoglanis horai*), Fowler, *Proc. Acad. Nat. Sci. Philad.*, **86** : 92, 1934 (Shan states). Shaw and Shebbeare, *J. Bombay. Nat. Hist. Soc.*, **39**: 188, 1937 (Type-locality: Streams of Terai, W Bengal). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 101, text fig. 103, 1938. Hora, *J. Zool. Soc. India*, **1** : 2, 1949 (Rihand R., near Dam site, Mirzapur Dist.). Menon, *Rec. Indian Mus.*, **47** : 235, 1950 (Kosi R., Nepal). Menon, *Rec. Indian Mus.*, **52**: 37, 1954 (Streams of Terai, W Bengal; Rihand R; Kosi R.). Misra, *Faun. India Pisces*, **3**: 266, 1976 (Rihand river, Mirzapur Dt., U.P., Streams of Terai, N. Bengal; Kosi river, Nepal). Jayaram, *HBFW Fish. India*, p. 253 fig.145, 1981 (Kosi and Rihand rivers; Vindhya mountain range; Terai, E. Himalaya, Nepal).

*Glyptothorax burmanicus* (nec Prashad and Mukerji), Tandon and Rishi, *Res. Bull. Punjab. Univ.*, **18**(1-2) : 73, 1967 (Ghaggar river at Derigarh, Dist., Patiala).

*Glyptothorax indicus* Talwar and Jhingran, *Inland Fish.*, **2**: 654, 1991 (Terai of Eastern Himalayas; Rihand river in U.P., Ghaggar river, Punjab and Nepal).

*Distribution* : Terai of Eastern Himalayas, Rihand river in U.P., Ghaggar river in Punjab. Nepal (Kosi river).

*Habitat* : Mountain rapids.

*Size* : 11.0. cm SL.

359. *Glyptothorax kashmirensis* Hora

*Glyptothorax kashmirensis* Hora, *Rec. Indian Mus.*, **25**: 22, fig. 2, 1923 (Type-locality: Kashmir valley). Mukerji, *Mem. Conn. Acad.*, **10**, art. 18, p.326, 1936 (Jhelum R; Shadipur, Kashmir). Menon, *Rec. Indian Mus.*, **52** : 52, 1954 (Kashmir and Punjab, Western Himalayas). Misra, *Faun. India Pisces*, **3**: 268, 1976 (India and Pakistan). Jayaram, *HBFW Fish. India*, p. 258, 1981 (Kashmir valley, Pakistan : Azad Kashmir). Talwar and Jhingran, *Inland Fish.*, **2**: 655, 1991 (Kashmir valley. Pakistan : Indus river basin).

*Distribution* : India : Kashmir valley. Pakistan : Azad Kashmir.

*Habitat* : Mountain rapids.

*Size* : 11.7 cm TL.

360. *Glyptothorax lonah* (Sykes)

*Bagrus lonah* Sykes, *Proc. Zool. Soc. Lond.*, p.164, 1838 (Type-locality Deccan). Sykes, *Trans. Zool. Soc. Lond.*, **2** : 371, 1841

*Glyptosternum lonah*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 187, 1864. Day (in part), *Fish. India*, p. 496, pl. 113, fig. 5, 1878 (Deccan. Jamuna excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 196, fig. 72, 1889.

*Glyptothorax dekkanensis* Gunther, *Cat. Brit. Mus. Fish.*, **5**: 187, 1864 (Deccan). Hora, *Rec. Indian Mus.*, **25**: 24, fig. 3, 1923.

*Glyptothorax lonah*, Hora, *Rec. Indian Mus.*, **25** : 30, 1923. Hora and Misra, *Bombay nat. Hist. Soc.*, **39**: 513, 1937. Hora, *Rec. Indian Mus.*, **40**: 371, Pl.7, figs. 1,2, 1938. Chauhan and Ramakrishna, *Rec. Indian Mus.*, **51**: 397, 1954 (Balangir Dist., Orissa). Misra, *Faun. India Pisces*, (2nd ed) **3**: 270, Pl.11, figs. 7 and 8, 1976 (The Godavari, the Darna and Mutha-Mula river, Maharashtra, Gulli Nullah and Saktel river, Orissa). Jayaram, *HBFW Fish India*, p.254, 1981. Talwar and Jhingran, *Inland Fish.*, **2**: 655, 1991 (Deccan Plateau, Krishna and Godavari)

*Distribution* : India : Deccan Plateau, the Vindhya and Orissa hills.

*Habitat* : Mountain rapids.

*Size* : 15.0 cm TL.

### 361. *Glyptothorax madraspatanam* (Day)

*Glyptosternum madraspatanum* Day, *J. Linn. Soc. Lond.*, **11**, 1873, (Type-locality : Bhavani R.). Day, *Fish. India*, p.498, 1878 (Bhavani river, Nilgris). Day, *Faun. Brit. Ind. Fish.*, **1**: 200, 1889.

*Glyptothorax madraspatanus*, Hora, *Rec. Indian Mus.*, **25**: 29, 1923. Hora and Law, *Rec. Indian Mus.*, **43**: 255, 1941 (Pampadampara, W. Ghats, doubtful).

*Glyptothorax madraspatanum*, Menon, *Rec. Indian Mus.*, **52**: 31, 1954 (W. Ghats, Nilgiris Pampadampara, Travancore excluded). Misra *Faun. India Pisces*, **3**: 271, 1976 (The Bhavani and the Cauvery. Pambadampara W. Ghats excluded). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, **36** : 91, 1982 (Cauvery river). Talwar and Jhingran, *Inland Fish.*, **2**: 656, 1991 (W. Ghats: Nilgiri Hills. Anamalai excluded)

*Distribution* : India : Western Ghats : Nilgiris (The Cauvery river systems).

*Habitat* : Mountain rapids.

*Size* : 11.5 cm TL.

### 362. *Glyptothorax pectinopterus* (McClelland)

*Glyptosternon pectinopterus* McClelland, *Calcutta J. Nat. Hist.*, **2**: 587, 1842 (Type locality Simla, Yamuna head-water).

*Glyptothorax pectinopterus*, Hora (in part), *Rec. Indian Mus.*, **25** (1) : 18, Pl. 1, fig. 1 : Pl.4, fig.3, 1923 (Yamuna river, Simla. Badhmana Khad, Sutlej river, Kangra Valley excluded). Hora and Mukerji, *Rec. Indian Mus.*, **38** : 137, 1936 (Eastern Doons). Hora, *J. Bombay nat. Hist. Soc.*, **48** (3) : 540, 1949 (Kumaon). Menon, *Rec. Indian Mus.*, **52**: 47, 1954 (U.P. Punjab excluded). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 80, 1974 (U.P. Himalayas. Punjab excluded). Misra, *Faun. India Pisces*, **3**: 1976 (Simla, Dehra Dum, Naini Tal. Pakistan excluded). Jayaram (in part) *HBFW Fish. India*, p.254, 1981. Talwar and Jhingran (in part), *Inland Fish*, **2**: 658, 1991 (Simla Hills and U.P.. Nepal, Pakistan and Kangra excluded).

*Glyptothorax brevipinnis* Hora, *Rec. Indian Mus.*, **25**(1): 16, Pl.1, fig 4, 1923 (Type-locality: Probably Ganga drainage in Garhwal Himalayas). Menon, *Rec. Indian Mus.*, **52**(1): 37, 1954. Talwar and Jhingran, *Inland Fish.*, **2**: 649, 1991.

*Glyptothorax brevipinnis alaknandi* Tilak, *J. Inland Fish. Soc. India*, **1** : 42, figs. 8-12, 1969 (Alaknanda river, near Srinagar, Pauri-Garhwal Dist., U.P). Jayaram, *HBFW Fish. India*, p. 253, 1981.

*Glyptothorax brevipinnis brevipinnis*, Jayaram, *HBFW Fish India*, p.253, 1981.

*Glyptothorax alaknandi*, Talwar and Jhingran, *Inland Fish.*, **2**: 649, 1991 (Alaknanda river)

*Distribution* : India : Simla (Yamuna headwaters), Garhwal and Kumaon Himalayas.

*Habitat* : Mountain rapids.

*Size* : 17.8 cm TL.

### 363. *Glyptothorax poonaensis* Hora

*Glyptosternum lonah* (nec Sykes) Day (in part), *Fish. India*, p. 496, 1877 (Deccan. Jamuna excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1**: 196, 1889.

*Glyptothorax conirostre* var. *poonaensis* Hora, *Rec. Indian Mus.*, **40** : 368, Pl.7, figs. 5,6, 1938 (Type-locality: Poona). Menon, *Rec. Indian Mus.*, **52**: 36, 1954 (Poona). Misra, *Faun. India Pisces*, **3**: 263, 1976 (Mutha-Mula river, Poona). Jayaram, *HBFW Fish India*. p.253, 1981 (Mutha-Mula river). Talwar and Jhingran, *Inland Fish.*, **2**: 651, 1991 (Mutha river, Poona).

*Distribution* : India Western Ghats Mutha-Mula river, Poona.

*Habitat* : Mountain rapids.

*Size* : 8.0 cm TL.

364. *Glyptothorax ribeiroi* (Hora)

*Laguvia ribeiroi* Hora, *Rec. Indian Mus.*, **40**: 179, fig. 5, a,b, 1938 (Rajmahal hills, Santal Parganas). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3**: 104, fig. 5, 1937. Hora and Nair, *Rec. Indian Mus.*, **43**: 732, 1941 (Hoshangabad Dist.) Hora, *J. Zool. Soc. India*, **1** : 2, 1949 (Rihand R. at Pipri, Mirzapur Dist.). Talwar and Jhingran, *Inland Fish.*, **2** : 672, 1991 (Tista River system, North Bengal and the Vindhyas and Nepal).

*Glyptothorax ribeiroi*, Menon, *Rec. Indian Mus.*, **52** : 40, 1954 (Khoila R; Mosal R; Kosi R., Nepal Duars and Terai; Rihand R.). Misra, *Faun. India Pisces*, **3** : 250, 1976 (Midkul nallah, Harda, Hoshangabad Dist. M.P., Rihand river, Pipri, Mirzapur Dist. U.P., Mosal and Kamala rivers. Rajmahal hills, Bihar, Khoila river, tributary of Tiusta river, Darjeeling Dist., W Bengal. Nepal: Kosi river).

*Laguvia ribeiroi kapuri* Tilak and Hussain, *J. Inland Fish. Soc. India*, **6** : 1, figs. 1,2,3, 1974 (Type locality: Padhoi river, Saharanpur). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.14 : 27, 1979. Jayaram, *HBFW Fish. India*, p.250, 1981 (Padhoi river, Saharanpur, U.P.). Talwar and Jhingran, *Inland Fish.*, **2** : 671, 1991 (Saharanpur).

*Laguvia ribeiroi ribeiroi*, Jayaram, *HBFW Fish. India*, p.250, 1981 (M.P., U.P., Bihar, W Bengal, Nepal, Bangladesh).

**Distribution** : India Himalayas : from North Bengal to as far as Saharanpur along the Himalayan base and Rihand river along the Vindhyan range. Nepal (Kosi river).

**Habitat** : Mountain rapids.

**Size** : 10.0 cm TL.

365. *Glyptothorax saisii* (Jenkins)

*Glyptosternum saisii* Jenkins *Rec. Indian Mus.*, **5** : 128, Pl. 6, fig. 6, 1910 (Type-locality : Sita nullah, Parashnath hills, Bihar)

*Glyptothorax saisii*, Hora, *Rec. Indian Mus.*, **25** : 20, 1923. Menon, *Rec. Indian Mus.*, **52** : 54, 1954. Misra, *Faun. India Pisces*, **3** : 276, 1976 (Sita nullah, Parashnath hills, Bihar). Tilak and Hussain, *Ann. Zool.*, **14**(1): 33, 1978. Jayaram *Rec. Zool. Surv. India*, **14** : 44, fig. 33, 1979. Jayaram, *HBFW Fish. India*, p.254, 1981 (Parashnath Hills). Talwar and Jhingran, *Inland Fish.*, **2** : 660, 1991 (Parashnath Hills. Pauri-Garhwal and Yenna River. Maharashtra excluded).

*Glyptothorax nelsoni* Ganguly, Datta and Sen, *Copeia* (2) 341, figs. 1,2, 1972 (Type-locality: Subaranarekha river, Chota-Nagpur). Talwar and Jhingran, *Inland*

*Fish.*, **2** : 657, 1991 (Subaranarekha river).

*Glyptothorax coheni* Ganguly *et al.*, *copeia* **2** : 650, 1991 (Type-locality : Subaranarekha river).

*Distribution* : India Bihar : Chota-Nagpur (Streams of Parashnath hills and Subarnarekha river).

*Habitat* : Mountain rapids.

*Size* : 7.0 cm TL.

### 366. *Glyptothorax shawi* (Hora)

*Laguvia shawi* Hora, *Rec. Indian Mus.*, **22** : 740, Pl. 29, fig.2, 1991 (Type-locality : Mahananda River, Sivoke R.). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **6** : 80, 1937 (Kalimpong Duars and Siliguri Terai). Jayaram, *HBFW Fish. India*, p.250, 1981 (N. Bengal. Bangladesh excluded). Talwar and Jhingran, *Inland Fish.*, **2** : 672, 1991 (Tista drainage, Darjeeling).

*Glyptothorax shawi*, Menon, *Rec. Indian Mus.*, **52** : 41, 1954 (Mahananda River, Darjeeling Himalayas, Siliguri, N. Bengal, Kalimpong Duars and Siliguri Terai, Tista river drainage). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 80. 1974 (Tista draingage). Misra, *Faun. India Pisces*, **3** : 251, 1976 (Mahananda and Sivoke rivers, Darjeeling Himalayas, Kalimpong Duars and Siliguri Terai, W Bengal).

*Distribution* : India : Himalayas : Darjeeling, Siliguri Terai and Sikkim.

*Habitat* : Mountain rapids.

*Size* : 3.0 cm TL.

### 367. *Glyptothorax sinense* (Regan)

*Glyptosternum sinense* Regan, *Ann. Mag. Nat. Hist.*, (8) **1** : 110, 1908 (Type-locality : Tungting, China). Chu, *Biol. Bul St. John's Univ.*, No.1:82, 1931. Nicholas, *Nat. Hist. Central Asia*, **9** : 53, 1943.

*Glyptothorax sinense*, Mukerji, *J. Bombay nat Hist. Soc.*, **36** : 280, Pl. 2, fig.1, 1933 (Phunging Hka, tributary of Mali Hak R; U. Burma). Menon, *Rec. Indian. Mus.*, **52** : 35, 1954. Misra, *Faun. India Pisces*, **3** : 277, 1976 (Barak river, Karong, Manipur, Burma, China). Talwar and Jhingran, *Inland Fish.*, **2** : 661, 1991 (Manipur, Burma and China).

*Glyptothorax manipurensis* Menon, *Rec. Indian. Mus.*, **52** : 23, fig.1,b.c. 1954 (Type-locality Barak river, Karong, Manipur State).

*Glyptothorax sinense sinense*, Jayaram, *HBFW Fish India.*, p.254, 1991 (Mali Kha river, U. Burma., China : Tungting).

*Glyptothorax sinense manipurensis*, Jayaram, *HBFW Fish India.*, p. 254, 1991 (Manipur Valley, Barak river, Karong).

*Distribution* : India : Manipur. Burma and China.

*Habitat* : Mountain rapids.

*Size* : 12.6 TL.

### 368. *Glyptothorax stoliczkae* (Steindachner)

*Glyptosternum stoliczkae* Steindachner, *Sitz. Acad. Wiss. Wien.*, **55** : 533, Pl.5, fig.1., Pl.6, fig.1, 1867 (Type-locality : Simla, Sutlej basin, W. Himalayas).

*Glyptosternum pectinopterum* Day (in part), *Fish. India.*, p.499, Pl.116 fig.6, 1878 (Himalayas through the Punjab and Kangra to Simla. Darjeeling excluded). Day, *Faun. Brit. Ind. Fish.*, **1**: 201, 1889.

*Glyptothorax stoliczkae*, Hora, *Rec. Indian Mus.*, **25** : 17, 1923. Menon, *Rec. Indian Mus.*, **52** : 31, 1954 (Simla, W Himalayas). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 81, 1974 (Simla. Darjeeling excluded). Day, *Faun. Brit. Ind. Fish.*, **1** : 254, 1889 (Simla, W. Himalayas). Talwar and Jhingran, *Inland Fish.*, **2** : 622, 1991 (Western Himalayas).

*Glyptothorax pectinopterus*, Hora (in part), *Rec. Indian Mus.*, **25** : 18, Pl.1, fig. 1 and Pl. 4, fig. 3 (Badhmana Khad, Sutlej river, Kangra valley. Yamuna river, Simla excluded). Misra (in part), *Faun. India Pisces*, **3** : 272, Pl. 11, figs. 9 and 10, 1976. Talwar and Jhingran (in part), *Inland Fish.*, **2** : 662, 1991 (Kangra valley and Pakistan (Indus basin). Uttar Pradesh and Nepal excluded).

*Distribution* : India : Western Himalayas : Himachal Pradesh : Simla Hills (Sutlej basin), Kangra and Kashmir valley. Pakistan.

*Habitat* : Mountain rapids.

*Size* : 9.0 cm TL.

### 369. *Glyptothorax striatus* (McClelland)

*Glyptosternon striatus* McClelland, *Calcutta J. Nat. Hist.*, **2** : 587, p.6, figs. 1,2, 1842 (Type-locality Khasya Hill, Assam).

*Glyptothorax striatus*, Blyth, *J. Asiat. Soc. Beng.*, **29** : 154, 1860. Hora, *Rec. Indian Mus.*, **28** : 20, 1923. Menon, *Rec. Indian Mus.*, **52** : 53, 1954 (Sikkim, Assam). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1:80, 1974 (Sikkim, Assam

Himalayas). Misra, *Faun. India Pisces*, 3 : 280, 1976 (Khasi Hills, Assam; Sikkim). Jayaram, *HBFW Fish. India*, p. 254, 1981 (Khasi and Garo hills). Talwar and Jhingran, *Inland Fish.*, 2 : 663, 1991 (Khasi, Garo hills and Sikkim).

*Glyptosternum striatum*, Gunther, *Cat. Fish. Brit. Mus.*, 5 : 188, 1864. Day, *Fish. India*, p.498, 1877 (Khasya Hills, Assam). Day *Faun. Brit. Ind. Fish.*, 1 : 200, 1889.

*Distribution* : India : Meghalaya : Khasi and Garo hills; Sikkim.

*Habitat* : Mountain rapids.

*Size* : 12.5 cm TL.

### 370. *Glyptothorax telchitta* (Hamilton)

*Pimelodus telchitta* Hamilton, *Fish. Ganges*, pp. 185, 378, 1822 (Type-locality : Freshwater river of Bengal and Bihar).

*Pimelodus botius* Hamilton, *Fish. Ganges*, pp. 192, 378, 1822 (Type-locality : Northern rivers of Bengal)

*Glyptosternum botia*, Day, *Fish. India*, p.497, Pl. 112, fig.4 , 1877. Day, *Faun Brit. Ind. Fish.*, 1 : 199, 1889.

*Glyptosternum botium*, Day, *Faun. Brit. Ind. Fish.*, 1 : 198, 1889.

*Glyptothorax botia*, Hora, *Rec. Indian Mus.*, 25 : 27, 1923. Das, *Rec. Indian Mus.*, 41 : 448, 1939 (Damodar River, Hazaribagh Dist.).

*Glyptothorax telchitta*, Hora, *Rec. Indian Mus.*, 25 : 28, 1923. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 103, fig. 104, 1937. Hora and Menon, *Rec. Indian Mus.*, 46 : 57, Pl. 2 figs.1, 2, 3, 1949. Hora, *J. Zool. Soc. India*, 1 : 2, 1949 (Rihand river at Dam site, Mirzapur Dist.). Menon, *Rec. Indian Mus.*, 47 : 235, 1950 (Kosi R., Nepal). Menon, *Rec. Indian. Mus.*, 52 : 42, 1954 (U.P., Bihar, Bengal, Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 81, 1974 (U.P., N. Bihar, N. Bengal and Nepal). Misra, *Faun. India Pisces*, 3 : 281, 1976 (Yamuna; Rihand river, Mirzapur Dist., Mawmi, Bara banki U.P., Jharahi, Sripur, Saran Dist., Mohalpahari, Santal Parganas; Domodar river near Ramgarh, Hazaribagh, Bihar, Birbhhum, rivers of Terai and Duars, West Bengal. Nepal the Kosi River. Bangladesh). Talwar and Jhingran, *Inland Fish*, 2 : 663, 1991 (Pakistan : Indus river basin; India : Uttar Pradesh, Madhya Pradesh, Bihar and North Bengal; Bangladesh and Nepal).

*Glyptothorax telchitta sufi* Bashir and Mirza, *Bull. Hydrobiol. Res. Gordon Coll*, (1) 9 : 92, 1975 (Sutlej river, Lahore, Pakistan). Jayaram, *HBFW Fish. India*, p.254, 1981 (Lahore, Pakistan).

*Glyptothorax telchitta telchitta*, Jayaram, *HBFW Fish. India*, p.254, 1981 (U.P., Bihar, N. Bengal. Nepal. Bangladesh. Pakistan (Sind)).

*Distribution* : India Vindhya, M.P., N. Bihar, N. Bengal. Bangladesh. Nepal. Pakistan.

*Habitat* : Mountain rapids

*Size* : 10.0 cm TL.

### 371. *Glyptothorax trewasasae* Hora

*Euglyptosternum saisii* (nec jenkins), Annandale, *Rec. Indian Mus.*, **16** : 126, 1919 (Yenna Valley, Satara Dist.).

*Glyptothorax dekkansensis* (nec Gunther), Hora, *Rec. Indian Mus.*, **25** : 24, fig. 3, 1923. Hora, *Rec. Indian Mus.*, **39** : 4, fig.3, 1937 (Thunga R., at Shimoga, Mysore state).

*Glyptothorax trewasasae* Hora, *Rec. Indian Mus.*, **40** : 373, Pl.7, figs. 3, 4, 1938 (Type-locality : Yenna Valley, Satara Dist.). Menon, *Rec. Indian Mus.*, **52** : 46 (Krishna river drainage of Satara Dist., Maharashtra and Shimoga Dist., Mysore). Misra, *Faun. India Pisces*, **3** : 283, 1976 (Yenna Valley and Koyna Valley, Satara Dist., Maharashtra; The Thunga river at Shimoga, Mysore). Jayaram, *HBFW Fish. India*, p.254, 1981 (Krishna river system: Yenna, Koyna, Thunga rivers, W Ghats). Talwar and Jhingran, *Inland Fish.*, **2** : 664, 1991 (Yenna and Koyna river, Krishna river systems).

*Distribution* : India : W Ghats : Krishna river system : Yenna, Koyna and Thunga rivers.

*Habitat* : Mountain rapids.

*Size* : 14.0.cm TL.

### 372. *Glyptothorax trilineatus* Blyth

*Glyptothorax trilineatus* Blyth, *J. Asiat. Soc. Beng.*, **29** : 154, 1860 (Type-locality : Tenasserim, Burma). Vinciguerra, *Pesci di Birmania*, p.28, 1890 (Catein). Hora, *Rec. Indian Mus.*, **25** : 29, 1923. Hora, *Rec. Indian Mus.*, **39** : 338, 1937 (Chindwin drainage). Smith, *U.S. nat. Mus. Bull.*, No. 188: 399, 1945 (Thailand : Trang, Moping river; India; Nepal; Burma). Menon, *Rec. Indian Mus.*, **52** : 49, 1954 (India, Burma, Siam, Laos). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1:81, 1974 (Manipur. Burma Thailand). Misra, *Faun. India Pisces* **3** : 284, 1976 (Assam-Burma border. Burma : the Sittang river, Taloktwin, Namyia river at Kongam Thana, Upper Chindwin drainage, Rangoon, Thagata Juva, Catein; Nepal. Thailand. Doi Anyka, Laos). Shrestha, *Fish. Nepal* p.194, 1981 (Bagmati R., Nepal). Jayaram, *HBFW Fish. India*, p.254, 1981 (Manipur, Burma, Thailand).

*Glyptosternum trilineatum* Gunther, *Cat. Fish. Brit. Mus.*, 5 : 195. 1864. Day, *Fish. India*. P.497, Pl.116, fig.3, 1997 (Burma, Tenasserim and Nepal). Day, *Faun. Brit. Ind. Fish.*, 1 : 197, 1889.

**Distribution** : India Manipur. Burma. Nepal. Thailand. Laos.

**Habitat** : Mountain rapids.

**Size** : 30.0 cm TL.

Genus 83 : *Pseudecheneis* Blyth

*Pseudecheneis* Blyth, *J. Asiat. Soc. Bengl.*, 29 : 154, 1961. (Type, *P. sulcatus* McClelland)

373. *Pseudecheneis sulcatus* (McClelland)

*Glyptosternon sulcatus* McClelland, *Calcutta J. Nat. Hist.*, 2 : 587, Pl.6, lower figure, 1842 (Type-locality : Khasi hills). Day *Faun. Brit. Ind. Fish.*, 1 : 107, 1889. Hora *Rec. Indian Mus.*, 39 : 348, 1937. Shaw and Shebbeare, *J. Asiat Soc. Beng.*, 3 : 7, 106, 1938 (Riyang R.). Menon, *Rec. Indian Mus.*, 47 : 223, 1950 (Kokha nallah about a mile up its confluence with the Kosi, Nepal). De witt, *Stanford Ichth. Bull.*, 7(4) : 84, 1960 (Nepal). Tilak and Hussain, *Rec. Zool. Surv. India*, 67 : 400, 1973 (Doon valley). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 83, 1974 (Assam, Darjeeling, Nepal, Himalayas). Misra, *Faun. India Pisces*, 3 : 310-311, 1976 (India : Riyang river, Nepal : Kosi river). Jayaram *HBFW Fish. India*, p.268, 1981 (N. Bengal; Khasi hills, Meghalaya. Nepal. Bangladesh). Talwar and Jhingran, *Inland Fish.*, 2 : 679, 1991 (Doon valley. North Bengal. Khasi hills. Nepal. Bangladesh excluded).

**Distribution** : India : North Bengal, Khasi hills, Meghalaya, Nepal.

**Habitat** : Mountain rapids.

**Size** : 20.0 cm TL.

Genus 84 *Coraglanis* Hora and Silas

*Coraglanis* Hora and Silas, *Rec. Indian Mus.*, 49 : 12, 1952 (Type, *Euchiloglanis kishinouyei* Kimura).

374. *Coraglanis kishinouyei* (Kimura)

*Euchiloglanis kishinouyei* Kimura, *J. Shangai Sci. Inst. Sec.*, (3) 1 : 178, Pl.6, figs. 1-3, 1934 (Type-locality the Yangtse-kiang, China).

*Coraglanis kishinouyei*, Dutta, *Proc. Ist All India Congr. Zool.*, Jalbalpur, pt.2, p.18, 1959 (Nepal Himalayas, 3000 metres).

*Distribution* : Nepal and China.

*Habitat* : Mountain rapids

*Size* : 12.6 cm TL.

Genus 85 : *Euchiloglanis* Regan

*Chimarrhichthys* Sauvage, *Rev. Zool.*, **8** : 332, 1874 (Type, *C. davidi* Sauvage; the name preoccupied).

*Euchiloglanis* Regan, *Rec. Indian Mus.*, **1** : 158, 1907 (Type, *Chimarrhichthys davidi* Sauvage).

375. *Euchiloglanis hodgarti* (Hora)

*Exostoma blythii* Day (in part), *Fish. India*, p.501, 1877. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 109, 1889.

*Glyptosternum hodgarti* Hora, *Rec. Indian. Mus.*, **25** : 38, 1923 (Type-locality : Pharping, Nepal; rivers below Darjeeling; the Abor Hills).

*Euchiloglanis hodgarti* Norman, *Ann. Mag. nat. Hist.*, (9)**15** : 573, 1925. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 100, fig. 102, 1937 (Riyang and Rangbi). Hora and Silas, *Rec. Indian Mus.*, **49** : 17, 1952 (Pharping, Nepal; Kurseong; Abor Hills; Teesta valley). De Witt, *Stanford Ichth. Bull.*, 7(4) : 84, 1960 (Nepal). Menon and Sen, *Sci. and Cult.*, **32**(14): 211, 1966. Menon. *Inland Fish. Soc. India Spl. Publ.*, No.1: 76, 1974 (Assam, Darjeeling, W. Bengal, Abor hills. Nepal : Pharping. Bangladesh). Jayaram, *HBFW Fish. India*, p.263, 1981 (Tista valley, Darjeeling, Abhor hills. Nepal. Bangladesh excluded). Talwar and Jhingran, *Inland Fish.*, **2** : 632, 1991 (Darjeeling; Abhor hills; Kali river, Uttar Pradesh. Bangladesh excluded).

*Euchiloglanis kamengensis* Jayaram, *J. Zool. Soc. India*, **15**(1-2): 85, 1966 (Type-locality R. Norgum, Kalaktang). Jayaram, *Rec. Zool. Surv. India Occ. Pap.*, No.14 : 51, fig.32A, 1979. Jayaram, *HBFW Fish. India*, p. 263, 1981 (Norgum river, Dupla-ko, Arunachal Pradesh).

*Enchiloglanis macroterma* (nec Regan), Talwar and Jhingran, *Inland Fish.*, **2** : 632, 1991 (NEFA., Vietnam excluded).

*Distribution* : India Darjeeling and Abhor hills; Norgum river, Kameng Frontier Division, Arunachal Pradesh; Kali river, Uttar Pradesh. Nepal.

*Habitat* : Mountain rapids.

*Size* : 6.4 cm TL.

Genus 86 : *Myersglanis* Hora and Silas

*Myersglanis* Hora and Silas, *Rec. Indian Mus.*, **49**(1) : 19, 1952 (Type, *Exostoma blythii* Day).

376. *Myersglanis blythi* (Day)

*Exostoma blythii* Day, *Proc. Zool. Soc. Lond.*, p. 525, 1869 (Type-locality : Pharping, Nepal). Day (in part), *Fish. India*, p. 501, Pl. 117. fig. 2, 1877. Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 109, 1889.

*Glyptosternum blythi*, Hora, *Rec. Indian Mus.*, **25** : 42, 1923.

*Euchiloglanis blythi*, Norman, *Ann. Mag. nat. Hist.*, (9) **15** : 574, 1925.

*Myersglanis blythi*, Hora and Silas, *Rec. Indian Mus.*, **49** : 20, 1952. Menon, *Inland Fish. Soc. India Spl. Publ.*, **1** : 82, 1974 (Nepal. Himalayas, Darjeeling excluded). Misra, *Faun. India Pisces*, **3** : 305, 1976 (Nepal : Pharping). Jayaram, *HBFW Fish. India*. p. 264, 1981 (Nepal : Pharping). Talwar and Jhingran, *Inland Fish*; **2** : 674, 1991 (Nepal).

*Distribution* : Pharping, Nepal.

*Habitat* : Mountain rapids.

*Size* : 7.3 cm TL.

Genus 87 : *Exostoma* Blyth

*Exostoma* Blyth, *J. Asiat. Soc. Beng.*, **29** : 154, 1860 (Type, *Exostoma berdmorei* Blyth).

377. *Exostoma labiatus* (McClelland)

*Glyptosternon labiatus* McClelland, *Calcutta J. Nat. Hist.*, **2** : 588, 1842 (Type-locality : Mishmee mountains).

*Exostoma labiatum*, Gunther, *Cat. Fish. Brit. Mus.*, **5** : 265, 1864. Blyth, *J. Asiat. Soc. Beng.*, **29** : 155, 1860. Day, *Fish. India*, p. 501, 1877. Day, *Faun. Brit. Ind. Fish.*, **1** : 108, 1889.

*Exostoma labiatus*, Misra, *Faun. India Pisces*, **3** : 294-299, 1976 (Mishmee hills, Assam).

*Distribution* : India : Mishmee Hills, Arunachal Pradesh.

*Habitat* : Mountain Rapids.

*Size* : 5.8 cm TL.

Genus 88 *Erethistes* Muller and Troschel

*Erethistes* Muller and Troschel *Horae Ichth.*, 3 : 12, pl. 1, fig. 3, 1845 (Type *Erethistes pussilus* Muller and Troschel).

378. *Erethistes pussilus* Muller and Troschel

*Erethistes pussilus* Muller and Troschel, *Horae Ichth.*, 3 : 12, Pl. 1, fig. 3, 1845 (Type-locality : Assam). Gunther, *Cat. Fish. Brit. Mus.*, 5 : 264, 1864. Hora, *Rec. Indian Mus.*, 47(2) : 186, Pl. 12, figs. 1-6, 1949 (Revision). Menon, *Inland Fish Soc. India Spl. Publ.*, No. 1 : 75, 1974 (Bihar, Assam, Burma, Orissa excluded). Misra, *Faun. India Pisces*, 3 : 231, 1976 (India : Bijli hills, Assam; Bihar, Burma). Jayaram *HBFW Fish. India*, p. 243, 1981 (West Bengal, Assam, Bihar, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 2 : 628, 1991 (India : Ganga and Brahmaputra drainages, Bangladesh. Burma excluded)

*Hara buchani*, Day (nec Blyth), *J. Asiat. Soc. Beng.*, 39 : 40, 1870 (*Pimelodus hara* Hamilton).

*Distribution* : India : Bihar and Assam (Ganga and Brahmaputra drainages).

*Habitat* : Muddy parts of rivers overgrown with vegetation.

*Size* : 4.24 cm SL.

Genus 89 : *Erethistoides* Hora

*Erethistoides* Hora, *Rec. Indian Mus.*, 47(2) : 190, Pl. 12, figs. 10-12, 1949 (Type, *Erethistoides montana* Hora).

379. *Erethistoides montana montana* Hora

*Erethistoides montana* Hora, *Rec. Indian Mus.*, 47 : 191, Pl. 1, figs. 10-12, 1950 (Type-locality : Streamlets round about Tangla, Darrang Dist., Assam).

*Erethistoides montana montana*, Menon, *Inland Fish. Soc. India Spl. Publ.* 1 : 76, 1974 (Darrang, Dist., Assam). Misra, *Faun. India Pisces*, 3 : 234, 1976 (Streamlets round about Tangla, Darrang Dist., Assam). Jayaram, *HBFW Fish India*, p. 244, 1981 (Tangla, Darrang Dist., Assam). Talwar and Jhingran, *Inland Fish.*, 2 : 629, 1991 (Tripura, Assam and Darjeeling).

*Distribution* : India Darrang Dist., Assam.

*Habitat* : Streamlets with swift current.

*Size* : 3.75 cm SL.

380. *Erethistoides montana pipri* Hora

*Erethistoides montana pipri* Hora, *Rec. Indian Mus.*, **47** : 193, Pl. 1, figs. 7-9, 1950 (Type-locality : the Rihand River at Pipri). Motwani and David, *J. Zool. Soc. India*, **9** (1) : 11, 1957 (Sone River). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 76, 1974 (Rihand River, Pipri, Mirzapur Dist., U.P.). Misra, *Faun. India Pisces*, **3** : 235, 1976 (Rihand River, Pipri, Mirzapur Dist., U.P.) Jayaram, *HBFW Fish. India*, p. 244, 1981 (Rihand river, Pipri, Mirzapur, U.P.)

*Distribution* : India : Rihand River, Mirzapur District, Uttar Pradesh; Sone River, Bihar.

*Habitat* : Streamlets with swift current.

*Size* : 3.0 cm SL.

Genus 90 : *Conta* Hora

*Conta* Hora, *Rec. Indian Mus.*, **47** : 194, 1950 (Type, *Pimelodus conta* Hamilton).

381. *Conta conta* (Hamilton)

*Pimelodus conta* Hamilton, *Fish. Ganges.*, p. 191, 1822 (Type-locality : R. Mahananda, N.E. Bengal).

*Hara conta*, Blyth, *J. Asiat. Soc. Beng.*, **29** : 152, 1860. Gunther, *Cat. Fish. Brit. Mus.*, **5** : 189, 1864.

*Hara elongata*, Day, *Proc. Zool. Soc. Lond.*, p. 704, 1871 (Type-locality : Garo Hills, Assam). Tilak, *Mastya*, **12-13** : 88, 1988.

*Erethistes elongata*, Day, *Fish. India*, p. 453, Pl. 102, fig. 5, 1877. Day, *Faun. Brit. Ind. Fish.*, **1** : 207, 1889 (Naga Hills). Hora, *Rec. Indian Mus.*; **22** : 738, 1921. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 98, fig. 99, 1937 (Siliguri).

*Conta conta*, Hora, *Rec. Indian Mus.*, **47**(2) : 195, Pl. 13, figs. 4-6, 1949 (Revision). Hora (in part). *Rec. Indian Mus.*, **47**, p. 195, Pl. 2, figs. 4-6, 1950 (Darjeeling Himalayas). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 : 75, 1974 (Assam and Darjeeling Himalayas). Misra, *Faun. India Pisces*, **3** : 237, 1976 (Mahananda and Laska river, N. Bengal). Jayaram, *HBFW Fish. India*, p. 247, 1981 (Mahananda river, N. Bengal. Bangladesh). Talwar and Jhingran, *Inland Fish.*, **2** : 624, 1991 (North Bengal, Assam; Meghalaya and Terai, Uttar Pradesh).

*Distribution* : India Terai of North Bengal Assam; Meghalaya.

*Habitat* : Rocky streams at bases of hills.

*Size* : 5.0 cm SL.

Genus 91 : *Hara* Blyth

*Hara* Blyth, *J. Asiat. Soc. Beng.*, **29** : 151, 1860 (Type, *Hara buchanani* Blyth = *Pimelodus hara* Hamilton).

382. *Hara hara* (Hamilton)

*Pimelodus hara* Hamilton, *Fish. Ganges*, p.190, 1822 (Type-locality : Kosi River).

*Hara buchanani* Blyth, *J. Asiat. Soc. Beng.*, **29** : 151, 1860. Gunther, *Cat. Fish. Brit. Mus.*, **5** : 189, 1864. Day, *Proc. Zool. Soc. Lond.*, p. 369, 1869 (Orissa).

*Hara filamentosa* Blyth, *J. Asiat. soc. Beng.*, **29** : 151, 1860 (Type-locality : Tenasserim). Misra, *Faun. India Pisces*, **3** : 242, 1976.

*Erethistes hara*, Day, *Fish. India*, p. 452, Pl. 102, fig. 1, 1877. Day, *Faun. Brit. Ind. Fish*, **1** : 205, fig. 74, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** : 7,99, fig. 100, (*nec* fig. 101), 1938. Chauhan, *Rec. Indian Mus.*, **45** : 276, 1947 (Tel river, Patna State, Orissa).

*Erethistes conta*, Day (*nec* Hamilton), *Fish. India*, p. 453, fig. 5, 1877 (East Bengal, Assam. Burma). Day, *Faun. Brit. Ind. Fish.*, **1** : 205, 1889.

*Hara hara*, Hora (in part), *Rec. Indian Mus.*, **47** : 200, Pl. 2, figs. 1-3, 1950 (Kudal Darh, Patna state, Orissa, Lucknow, Sadiya, Assam. Terai of N. Bengal excluded). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. **1** : 82, 1974 (Assam, Orissa, Gangetic provinces and Burma). Misra, *Faun. India Pisces*, **3** : 243-245, 1976 (India : Lucknow, U.P., Terai and Duars Northern Bengal, Sadiya, Assam, Kudal Darh, Orissa. Nepal : Kosi river). Tilak, *Bull. Zool. Surv. India*, **1**(3) : 295, 1978 (Slow-moving fresh-water river and streams in U.P., Assam, in Orissa and Kosi river in Nepal). Jayaram, *HBFW Fish. India*, p.245, 1981 (India : Terai and Duars, N. Bengal., Sadiya, Assam, Orissa, Nepal. Bangladesh excluded). Talwar and Jhingran, *Inland Fish.*, **2** : 667, 1991 (Uttar Pradesh, N. Bengal, Bihar, Assam and Orissa, Nepal, Burma).

*Distribution* : India : Uttar Pradesh, North Bengal, Assam and Orissa. Nepal (Kosi river). Burma.

*Habitat* : Slow moving rivers and streams.

*Size* : 13.0 cm TL.

383. *Hara horai* Misra

*Hara hara* (*nec* Hamilton) Hora (in part), *Rec. Indian Mus.* **47** : 200, Pl. 2, figs. 1-3, 1950 (Type-locality Terai and Duars, N. Bengal).

*Hara horai*, Misra, *Faun. India Pisces*, **3** : 245, 1976 (Terai and Duars, Northern Bengal).

Tilak, *Bull. Zool. Surv. India*, 1(3) : 295, 1978 (Terai and Duars, N. Bengal).  
Jayaram, *HBFW Fish India*, 2 : 688, 1991 (North Bengal : Terai and Duars).

**Distribution** : India : North Bengal (Terai and Duars).

**Habitat** : Rivers and streams of Terai and Duars.

**Size** : 8.0 cm TL.

### 384. *Hara jerdoni* Day

*Hara jerdoni* Day, *J. Asiat. Soc. Beng.*, 39 : 39, 1870 (Type-locality : Sylhet). Hora, *Rec. Indian Mus.*, 47 : 202, Pl.2, figs. 7-9, 1950 (Jessore Bheels, E. Bengal. Tista R; Jalpaiguri; Sylhet; Mangaldai, Assam; Siripur, Saran, Bihar). Menon, *Inland Fish Soc. India Spl. Publ.*, No. 1 : 82, 1974 (Bihar, West Bengal, Assam). Misra, *Faun. India Pisces*, 3 : 246, 1976 (India : Siripur, Saran, Bihar, Tista river, Jalpaiguri, W Bengal, Kowpati, Mangaldevi, Assam; Bangladesh : Jessore, Sylhet). Hussain and Tilak, *J. Inland Fish. Soc. India*, 9 : 93, figs. 1, 2 and 3, 1978. Jayaram, *HBFW. Fish. India*, p.245, 1981 (Bihar, North Bengal, Assam and Bangladesh). Talwar and Jhingran, *Inland Fish.*, 2 : 669, 1991 (Bihar, N. Bengal, Uttar Pradesh, Assam, Bangladesh).

**Distribution** : India : Bihar (Jarahi and Kosi rivers); North Bengal (Tista river); Assam and Uttar Pradesh. Bangladesh.

**Habitat** : Slow moving rivers, streams and bheels.

**Size** : 3.8 cm TL, usually 2.5. cm TL.

Family 13 : CLARIIDAE

Genus 92 : *Clarias* Scopoli

*Clarias* Gronov. *Zooph. Gronov Animal.*, p. 100, 1763; species non-binomial (Type, *Clarias marpus* Valenciennes = *Silurus batrachus* L., type designated by Bleeker, *Ned. Tijds. Dierk.*, 1 : 120, 1863).

*Clarias* Scopoli, *Intr. Hist. nat. Prague*; p. 455, 1777 (Type, *Clarias marpus* V. = *Silurus batrachus* L.).

*Macropteronotus* Lacepede, *Hist. Nat. Poiss.*, 5 84, 1803 (Type, *Macropteronotus charmuth* Lac. = *Silurus angullaris* L.).

*Cossyphus*, (nec Valenciennes, 1839) McClelland, *Calcutta J. Nat. Hist.*, 4: 403, 1944 (Type *C. ater* McClelland inadmissible).

*Phagorus* McClelland, *Calcutta J. Nat. Hist.* 4 403, 1844 (Type, *C. ater* McClelland = *M. jagur* Hamilton).

385. *Clarias batrachus* (Linnaeus)

*Silurus batrachus* Linnaeus, *Syst. Nat.*, 1st ed. **10** : 305, 1758 (Type-locality : Assam and Africa).

*Silurus anguillaris* Russel, *Fish. Coromandel*, **2** : 53, 1803 (Type-locality : Vizagapatnam).

*Macropteronotus jagur* Hamilton, *Fish. Ganges*, p. 145, 374, 1822 (Type-locality : Ganges).

*Macropteronotus magur* Hamilton, *Fish. Ganges* pp. 146, 374, 1822 (Ganges).

*Clarias punctatus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **15** : 384, 1840.

*Clarias magur* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **15**: 381, 1840. Jerdon, *Madras, J. Lit. Sci.*, **15** : 343, 1849 (Malabar and Bengal). Gunther, *Cat. Fish. Brit. Mus.*, **5** : 17, 1864 (Bengal, Khasi Hills, Calcutta, Penang, East Indian Archipelago). Day, *Fish. India*, p.485, Pl. 112, figs. 5, 5a, 1877 (Fresh and Brackish water of the plains of India, Burma and Ceylon, and the Malay Archipelago). Day, *Faun. Brit. Ind. Fish.*, **1**: 115, figs. 48, 49, 1889. Vinciguerra, *Pesci di Birmania*, p. 63, 1890 (Rangoon Mandalay, Bhamo). Chu, *Biól. Bull. St. John's Univ.*, No. 1. 83, 1931 (Hong Kong, China).

*Clarias batrachus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **15**: 385, 1840. Jerdon, *Madras, J. Lit. Sci.*, **15**: 342, 1849 (Tranquebar). Herre, *Check list Philippine Fish.*, p. 135, 1953 (Philippines). Misra, *Faun. India Pisces*, **3** : 125, 1976. Talwar and Jhingran (in part), *Inland Fish.*, **2**: 684, 1991 (India, Pakistan, Bangladesh and Further East. Sri Lanka excluded).

*Clarias jagur*, Gunther, *Cat. Fish. Brit. Mus.*, **5**: 21, 1864. Day, *Fish. India*, p. 484, 1877.

*Clarias assamensis* Day, *Fish. India*, p. 485, 1877 (Type-locality : Goalpara and as high as Suddya, Upper and lower Assam). Day, *Faun. Brit. Ind. Fish.*, **1**: 117, 1889.

**Distribution** : India. Pakistan. Nepal. Bangladesh. Burma. Indonesia. Singapore. Borneo and the Philippines.

**Habitat** : Fouled stagnant and slow moving muddy waters in the plains and submountain regions.

**Size** : 46.0 cm TL.

386. *Clarias dussumieri dayi* Hora

*Clarias dussumieri* Day (*nec* C & V), *Fish. India*, p. 484, 1878 (Type-locality : Wyanad, Kerala). Day, (*nec* C & V), *Faun. Brit. Ind. Fish.*, **1**: 117, 1889 (Wynaad, Kerala).

*Clarias dayi* Hora, *Rec. Indian Mus.*, **38** : 350, 351, 1936 (Type-locality : Wynaad, Kerala). Hora, *Rec. Indian Mus.*, **43**: 112, 1941 (Wynaad). Misra, *Faun. India Pisces*, **3**: 129, 1976 (Wynaad). Talwar and Jhingran, *Inland Fish.*, **2**: 686, 1991 (Wynaad Hills, Kerala).

*Clarias dussumieri dayi*, Silas, *Proc. Nat. Inst. Sci. India*, **18**(2) : 435, (Wynaad Hills). Jayaram, *HBFW Fish. India*, p. 271, 1981 (Wynaad. Pondicherry excluded).

*Distribution* : India : Wynaad Hills, Kerala.

*Habitat* : Hill streams.

*Size* : 17.5 cm TL.

*Status* : Rare.

### 387. *Clarias dussumieri dussumieri* Valenciennes

*Clarias dussumieri* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **15**: 382, 1840 (Type-locality : Pondicherry; Malabar). Jerdon, Madras, *J. Lit. Sci.*, **15**: 342, 1849 (Tanks and ditches in Malabar). Day, *Fish. Malabar*, 197, 1865 (Malabar). Day, (in part), *Fish. India*, p. 484, 1877 (Malabar. Pondicherry and Malay Archipelago excluded). Day (in part), *Faun. Brit. Ind. Fish.*, **1** : 117, 1889. Hora, *Rec. Indian Mus.*, **43** : 113, 1941 (Malabar coast generally, recorded from Goa, South Canara. Belgaum and Pondicherry excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 686, 1991 (Goa, Karnataka, Kerala. Pondicherry excluded).

*Clarias dussumieri dussumieri*, Silas, *Proc. nat. Inst. Sci. India*, **18**, (2), 434, 1952 (Status discussed). Jayaram, *HBFW Fish. India*, 270, 1981 (Kerala).

*Distribution* : India : Western Ghats : Along the West Coast from South Canara down to Kerala.

*Habitat* : Fresh water rivers, streams, ponds and ditches.

*Size* : 25.0 cm TL.

### Genus 93 : *Horaglanis* Menon

*Horaglanis* Menon, *Rec. Indian. Mus.*, **48**:64 1950 (Type, *Horaglanis krishnai* Menon).

### 388. *Horaglanis krishnai* Menon

*Horaglanis krishnai* Menon, *Rec. Indian Mus.*, **48** : 64, pl. 1, figs. 1-3, 1950 (Type-locality : Well at Kottayam, Kerala). Misra, *Faun. India Pisces*, **3** : 132, 1967 (Kottayam, Kerala). Jayaram, *HBFW Fish. India* p. 272, 1981 (Kottayam, Kerala). Talwar and Jhingran, *Inland Fish.*, **2** : 687, 1991 (Kerala).

*Distribution* : India : Kerala : Kottayam.

*Habitat* : Deep wells.

*Size* : 4.2 cm TL.

*Status* : Rare (Blind clariid fish).

Family 14 : HETEROPNEUSTIDAE

Genus 94 *Heteropneustes* Muller

*Heteropneustes* Muller, *Arch. Anat. Physiol.*, p.115, 1840 (Type, *Silurus fossilis* Bloch)

*Saccobranchnus* Valenciennes, *Hist. Nat. Poiss.*, 15 : 399 1840 (Type, *Silurus singio* Hamilton = *Silurus fossilis* Bloch)

389. *Heteropneustes fossilis* (Bloch)

*Silurus fossilis* Bloch, *Ichth. Hist. Nat. Poiss.*, 11 : 36, 370, fig. 2, 1798 (Type-locality : Bengal).

*Silurus singio* Hamilton, *Fish. Ganges*, pp. 147, 374, Pl. 37, fig. 46, 1822 (Type-locality: Bengal).

*Silurus laticeps* Swainson, *Nat. Hist. Fish.*, 2 : 306, 1939.

*Silurus biserratus* Swainson, *Nat. Hist. Fish.*, 2 : 393, 1939.

*Saccobranchnus singio* Valenciennes (C & V), *Hist. Nat. Poiss.*, 15 : 400, Pl. 448, 1840. Gunther, *Cat. Fish. Brit. Mus.*, 5 : 30, 1864.

*Saccobranchnus fossilis* Jerdon, *Madras, J. Lit. Sci.*, 15(2): 342, 1849 (South India). Bleeker, *Verh. Bat. Gen.*, 25: 58, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 5: 31, 1864. Day, *Fish. India*, p. 486, Pl. 114, fig. 1, 1877. Day, *Faun. Brit. Ind. Fish.*, 1: 125, fig. 53, 1889.

*Saccobranchnus microps* Gunther, *Cat. Fish. Brit. Mus.*, 5: 31, 1864 (Type-locality: Ceylon). Day, *Fish. India*, p. 486, 1877 (Ceylon). Day, *Faun. Brit. Ind. Fish.*, 1: 125, 1889. Hora, *Rec. Indian Mus.*, 38(2): 208, 1936.

*Saccobranchnus microcephalus* Gunther, *Cat. Fish. Brit. Mus.*, 5: 31, 1864 (Ceylon).

*Heteropneustes fossilis*, Regan, *Rec. Indian. Mus.*, 1: 156, 1907 (Nepal). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 81, fig. 77, 1937 (N. Bengal). De Witt, *Stanford Ichth. Bull.*, 7(1): 19, (Cauvery river), 1937. Misra, *Rec. Indian Mus.*, 40(3): 256, 262, 1938 (Cheyyur river near Razampet, Eastern Ghats). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 84, 1974 (Ceylon. India. Pakistan. Bangladesh. Burma. Thailand and Laos). Misra, *Faun. India Pisces*, 3: 135, 1976 (India. Pakistan. Bangladesh. Nepal. Burma. Sri Lanka). Talwar and

Jhingran, *Inland Fish*, 2: 689, 1991 (India. Pakistan. Nepal. Bangladesh. Sri Lanka. Burma. Thailand. Laos). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 163, 1991 (Widely distributed throughout the low lands).

*Clarisilurus kemratensis* Fowler, *Proc. Acad. nat. Sci. Philad.*, 89: 133, figs. 5, 6, 1937 (Type-locality : Kemrat).

*Heteropneustes microps*, Misra, *Faun. India Pisces*, 3: 137, 1976 (Ceylon). Jayaram, *HBFW Fish. India*, p. 273, 1981. Srivastava and Datta Munshi, *Proc. Seventy Fourth Indian. Sci. Cong.*, p.85, 1987. Datta Munshi and Srivastava, *Nat. Hist. Fish. Syst. Fw. Fish. India*, p. 298, Pl. 37, fig. 2, 1988 (Dambuva near Yakvala, Uttar Pradesh, Maltidar, Bihar. Sri Lanka). Talwar and Jhingran, *Inland Fish.*, 2: 90, 1991 (India: Uttar Pradesh, Bihar. Sri Lanka).

**Distribution :** India. Pakistan. Sri Lanka. Nepal. Bangladesh. Burma. Thailand and Laos.

**Habitat :** Ponds, ditches, bheels, swamps, marshes and muddy rivers.

**Size :** 30.0 cm TL.

Family 15 : CHACIDAE

Genus 95 : *Chaca* Gray

*Chaca* Gray, *Zool. Misc.*, p. 8, 1831 (Type, *Platystacus chaca* Ham.).

*Chaca Valenciennes*, in *Belanger, Voy. Ind. Orient. Zool. Poiss.*, p. 385 (Type, *Chaca lophioides* V.).

### 390. *Chaca chaca* (Hamilton)

*Platystacus chaca* Hamilton, *Fish. Ganges*, p. 140, 374, Pl. 28, fig. 43, 1822 (Type-locality : The rivers and ponds of the north eastern parts of Bengal).

*Chaca lophioides* Valenciennes, in *Belanger, Voy. Ind. Orient. Zool. Poiss.*, p. 386, Pl. 4, fig. 2, 1834 (Type-locality : Bengal). Gunther, *Cat. Fish. Brit. Mus.*, 5: 29, 1864 (Nepal, Bengal). Day, *Fish. India*, p. 481, Pl. 112, fig. 2, 1877 (Figured life size was from Debrugarh, Assam). Day, *Faun. Brit. Ind. Fish.*, 1: Pl. 3, fig. 46, 1889. Vinciguerra, *Pisci de Birmania*, 47, 1890 (Mandalay).

*Chaca bankanensis* Bleeker, *Nat. Tij. Ned. Ind.*, 3: 455, 1852 (Type-locality Banka). Bleeker, *Atl. Ichth.*, 2: 96, tabl. 95, fig. 1, 1862. Gunther, *Cat. Fish. Brit. Mus.*, 5: 29, 1864 (Sumatra, Borneo, Banka).

*Chaca buchanani* Gunther, *Cat. Fish. Brit. Mus.*, 5: 29, 1864 (Ganges, McClelland's collection).

*Chaca chaca*, Shaw and Shebbeare, *J. Roy. Asiat. Soc. Beng.*, 3: 85, 1938 (Rivers

of the Duars and Terai). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 85, 1974. Misra, *Faun. India Pisces*, 3: 121, 1976 (India. Nepal. Burma. Sumatra, Malaya. Borneo. Banka). Jayaram, *HBFW Fish. India*, p. 275, 1981 (India. Bangladesh. Burma. Banka. Borneo. Sumatra). Talwar and Jhingran, *Inland Fish.*, 2: 692, 1991 (India. Bangladesh. Nepal.)

*Distribution* : Ganges, Brahmaputra and Irrawady systems. Bangladesh. Nepal. Malaya. Sumatra. Borneo and Banka.

*Habitat* : Rivers and ponds connected to them.

*Size* : 20.0 cm TL.

Family 16 : OLYRIDAE

Genus 96 : *Olyra* McClelland

*Olyra* McClelland, *Calcutta J. Nat. His.*, 2: 588, 1842 (Type, *Olyra longicaudata* McClelland). Hora, *Rec. Indian Mus.*, 38: 202, 1936 (Revision).

### 391. *Olyra longicaudata* McClelland

*Olyra longicaudata* McClelland, *Calcutta J. nat. Hist.*, 2: 588, tab. 21, fig. 1, 1842 (Type-locality: Khasi Hills). Gunther, *Cat. Fish. Brit. Mus.*, 5: 1864 (Khasya Mts). Day, *Fish. India*, p. 475, 1877. Day, *Faun Brit. India Fish.*, 1: 121, 1889 (Khasi hills and Tenasserim). Hora, *Rec. Indian Mus.*, 38: 265, 1936. Hora and Gupta, *J. Roy. Asiat. Soc. Bengl.*, 6: 79, 1940 (Kalimpong Duars and a portion of Terai in the Siliguri sub-division of the Darjeeling Dist.). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 85, 1974. Misra *Faun. India Pisces*, 3: 145, 1976 (Assam, W Bengal and Burma).

*Olyra elongata* Gunther, *Ann. Mag. Nat. Hist.*, (5) 11: 139, 1883 (Type-locality: Tenasserim). Vinciguerra, *Pesci di Birmania*, p. 64, Pl. 7, Fig. 1, 1890 (Meetan).

*Olyra burmanica* Day, *Fish. India*, p. 475, Pl. 111, fig. 5, 1877 (Pegu Yomas). Day, *Faun. Brit. Ind. Fish.*, 1: 121, fig. 5, 1889.

*Olyra kempi* Chaudhuri, *Rec. Indian Mus.*, 7: 443, Pl. 40, figs. 4, 4a, 4b, 1912 (Assam-Bhutan Frontier). Hora, *Rec. Indian Mus.*, 22: 737, 1921 (Darjeeling). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 94, 1937 (Rivers of Terai and Duars). Misra, *Faun. India Pisces*, 3: 142, 1976.

*Olyra horae* (nec Prashad and Mukerji), Pillay and Yazdani, *J. Zool. Soc. India*, 23(2): 135, 1971 (Garo Hills, Meghalaya). Talwar and Jhingran (In part), *Inland Fish.*, 2: 695, 1991 (Meghalaya and Burma).

*Distribution* : India : Eastern Himalayas: W Bengal Darjeeling : Assam : Mangaldai;

Meghalaya: Garo and Khasi Hills. Burma : Tenasserim and Meetan.

*Habitat* : Rocky hill-streams.

*Size* : 7.5 cm. TL.

Super order : ATHERINOMORPHA

Order VI : ATHERINIFORMES

Suborder : EXOCOETOIDEI

Family 17 : BELONIDAE

Genus 97 : *Xenentodon* Regan

*Mastacembelus* Klein (*nec* Gronow) (in part), *Hist. Pisc. Nat.*, 3: 271, 1776.

*Belone* Cuvier (in part), *Le Regne Animal Distribue d' Apres Son Organisation*, p. 185, 1817.

*Xenentodon* Regan, *Ann. Mag. nat. Hist.*, (8) 7 : 332, Pl. 9, 1911 (Type, *Esox cancila* Hamilton).

### 392. *Xenentodon cancila* (Hamilton)

*Esox cancila* Hamilton, *Fish. Ganges*, pp. 213, 215, 380, Pl. 27, fig. 70, 1822 (Type-locality: Ponds and smaller rivers of Gangetic provinces).

*Belone graii* Sykes, *Trans Zool. Soc. Lond.*, 367, Pl. 63, fig. 4, 1841 (Poona). Bleeker, *Verh. Bat. Gen.* 15: 72, 1853.

*Belone cancila*, Valenciennes (in C & V), *Hist. Nat. Poiss.*, 18: 455, 1846. Bleeker, *Verh. Bat. Gen.*, 25: 145, 1853 (Bengal). Day, *Fish. Malabar*, p. 166, 1865. Gunther, *Cat. Fish. Brit. Mus.*, p. 309, 1869 (Orissa). Day, *Fish. India*, p. 509, Pl. 118, fig. 5, 1877 (Hardwar, Central Provinces, Sind, India, Ceylon, Burma). Hora, *Rec. Indian Mus.*, 39(1): 27, 1937 (Thunga river, tributary of Krishna river and Cauvery river, Mysore and Coorg). Menon, *Rec. Indian Mus.*, 47(2): 235, 1950 (Nepal). Munro, *Marine and Freshwater Fish. Ceylon*, p. 71, 1955 (Ceylon). Dewitt, *Stanford Ichth. Bull.*, 7(4): 84, 1960 (Nepal). Tilak *Rec. Zool. Surv. India*, 65(1-4): 186, 1971 (Tributary of river Tawi, Jammu). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 87, 1974 (Ceylon. India. Pakistan. Nepal. Bangladesh. Burma. Thailand and Malaya).

*Xenentodon cancila*, Jayaram, *HBFW Fish. India*, p. 292, 1981 (Pakistan : Sind, Punjab. India. Nepal. Sri Lanka. Burma and Thailand). Talwar and Jhingran, *Inland Fish.*, 2: 743, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 175, 1991 (Widely distributed throughout the low to mid-country).

*Distribution* : Pakistan (Sind, Punjab). Throughout India. Sri Lanka. Bangladesh. Burma. Malay Peninsula. Thailand.

*Habitat* : Slow moving streams, rivers and ponds with rocky or sandy substrate, usually found basking just near the surface.

*Size* : 40.0 cm TL., usually 30 cm.

Suborder CYPRINODONTOIDEI

Family 18 : ORYZIATIDAE

Genus 98 : *Oryzias* Jordon and Snyder

*Oryzias* Jordon and Snyder, *Proc. U.S. Natn. Mus.*, **31**(1486): 289, 1906 (Type, *Poecilia latipes* Temminck and Schlegel).

### 393. *Oryzias melastigma* (McClelland)

*Aplocheilus melastigmus* McClelland, *Asiat. Res.*, **19**(2), pp. 301, 427, Pl. 42, fig.3, Pl. 35, fig. 4, 1838 (Type-locality Calcutta).

*Panchax cyanophthalmus* Blyth, *J. Asiat. Soc. Bengal.*, **27**: 288, 1850 (Calcutta).

*Haplocheilus cyanophthalmus*, Gunther, *Cat. Fish. Brit. Mus.*, **6**: 312, 1866 (Calcutta).

*Panchax argenteus* Day, *Proc. Zool. Soc. Lond.*, p. 706, 1867 (Madras).

*Haplocheilus melanostigma*, Day, *Faun. Brit. Ind. Fish.*, **1**: 415, 1889.

*Oryzias melanostigma*, Hora, *Rec. Indian Mus.*, **44**(2): 197, 1942 (Nilgiris, Wynaad, Coorg and Mysore State). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B**(5): 171, 1948 (Kodur, Kurnool, Andhra Pradesh). Misra, *Rec. Indian Mus.*, **57**: 206, 1959 (Wynaad, Malabar, Madras, Orissa, Lower Bengal, Burma). Menon, *J. Zool. Soc. India*, **14**(1): 30, 1962 (Brahmaputra and Indus drainages). David, *Proc. nat. Acad. Sci, India*, **33B**(2): 283, 1963 (Krishna and Godavary). Jayaram, *HBFW Fish. India.*, p. 196, 1981 (Wynaad, Kerala, Tamil Nadu, W. Bengal and Bangladesh). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 86, 1974 (India and Burma). Menon, *Indigenous Larvivorous Fish. India.* p. 17, 1991 (Bengal, Orissa and Tamil Nadu). Talwar and Jhingran, *Inland, Fish.*, **2**: 745, 1991 (India. Bangladesh. Burma. Ceylon). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 178, 1991 (Brackish waters, estuaries and swamps, throughout the island).

*Panchax melastigma*, Munro, *Marine and Freshwater Fish. Ceylon*, p. 85, 1955 (Ceylon).

*Distribution* : India Peninsular India, Orissa, West Bengal. Sri Lanka. Bangladesh.

*Habitat* : Brackish waters and estuaries, usually found in shallow lagoons and swamps among roots and mangroves along the margins of waters, and readily adapt to freshwater conditions and even breed in freshwater.

**Size :** 4.0 cm TL.

Family 19 : HORAICHTHYIDAE  
Genus 99 : *Horaichthys* Kulkarni

*Horaichthys* Kulkarni, *Rec. Indian Mus.*, **42**(2): 385, 1940 (Type, *Horaichthys setnai* Kulkarni).

394. *Horaichthys setnai* Kulkarni

*Horaichthys setnai* Kulkarni, *Rec. Indian Mus.*, **42**: 382, 1940 (Type-locality Navlaki, Kathiawar coast, North and South of Bombay, Maharashtra). Silas, *J. Mar. Biol. Ass. India*. **1**(2): 256, 1959. Talwar and Jhingran, *Inland Fish.*, **2**: 746, 1991 (Near Gulf of Cutch to Trivandrum). Menon, *Indigenous Larvivorious Fish. India*, p. 18, 1991 (West Coast of India).

**Distribution :** India : West Coast from Gujarat to Kerala.

**Habitat :** Brackish waters in creeks along coastal areas, also freshwaters. Usually found swimming on the surface waters.

**Size :** 2.0 cm TL.

Family 20 : CYPRINODONTIDAE  
Genus 100 : *Aplocheilus* McClelland

*Aplocheilus* McClelland, *Asiat. Res.*, **19**(2): 301, 1839 (Type, *Esox panchax* Hamilton). Parenti, *Bull. Am. Mus. nat. Hist.* **168**(4): 471, 1981.

*Panchax* Valenciennes, *Hist. Nat. Poiss.*, **18**: 380, 1846 (Type, *Panchax buchmanani* Valenciennes = *Esox panchax* Hamilton).

*Haplochilus* Agassiz, *Nomen. Zool.*, p. 24, 1846.

395. *Aplocheilus blocki* (Arnold)

*Haplocheilus panchax* var. *blocki* Arnold, *Wochenschr. Aquarien and Terrarinkude*, **8**: 672, 1911 (Type-locality : Cochin, Kerala).

*Aplocheilus blocki*, Misra (in part), *Rec. Indian Mus.*, **57**: 204, 1959 (Kutch and Ahmedabad. Ceylon and Pakistan excluded). Tilak, *Rec. Zool. Surv. India*, **67**: 107, 1972 (Goa). Talwar and Jhingran (in part), *Inland Fish.*, **2**: 750, 1991 (Kerala and Kutch. Tamil Nadu excluded).

**Distribution :** Peninsular India West Coast, from Kutch southwards along the Coast to south Kerala.

**Habitat :** Coastal fresh and brackish water.

Size : 6.0 cm TL.

396. *Aplocheilus lineatus* (Valenciennes)

*Panchax lineatus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, **18**: 381, 1846 (Type-locality : Bombay). Bleeker, *Verh. Bat. Gen.*, **25**: 72, 1853. Day, *Fish. Malabar*, p. 221, 1865 (Rivers, tanks and paddy fields of Malabar). Bhimachar and Rau, *J. Mys. Univ.*, **1**: 145, 1941 (River Badra near Hebbe; River Tunga near Hariharpur, Mysore). David, *Proc. nat. Acad. Sci.*, **33B**(2): 283, 1963 (Krishna and Godavary rivers).

*Aplocheilus vittatus* Jerdon, *Madras. J. Lit. Sci.*, **15**: 330, 1849.

*Aplocheilus rubrostigma* Jerdon, *Madras J. Lit. Sci.*, **15**: 331, 1849. Jayaram, *HBFW Fish. India*, p. 295, 1981 (Kerala and Coromandal coast).

*Aplocheilus affinis* Jerdon, *Madras, J. Lit. Sci.*, **15**: 331, 1849.

*Punchax rubrostigma*, Day, *Proc. Zool. Soc. Lond.*, p. 706, 1867.

*Haplocheilus rubrostigma* Day, *Fish. India*, p. 522, Pl. 121, fig. 5, 1878 (Malabar coast of India and lower portion of Coromandal coast). Day, *Faun. Brit. India. Fish.*, **1**: 416, 1889 (Malabar coast and Coromandal coast).

*Haplocheilus lineatus*, Day, *Fish. India*, p. 522, pl. 121, fig. 6, 1878 (Coorg, Wynaad, Malabar coast. Ceylon excluded). Day, *Faun. Brit. Ind. Fish.*, **1**: 2, 416, 1889 (Coorg, Wynaad, Malabar coast).

*Aplochilus lineatus*, Hora, *Rec. Indian Mus.*, **44**(2): 197, 1942 (Nilgiri, Wynaad, Coorg and Peninsular India. Ceylon excluded). Chacko, *J. Bombay nat. Hist. Soc.*, **48**(1) : 191, 1948 (Periyar lake). Chacko and Kuriyan, *Proc. Indian Acad. Sci.*, **28B**(5): 171, 1948 (Hebbe, Kadur, Mysore, Hampasagaram, Bellary, Madras). Silas, *J. Bombay nat. Hist. Soc.*, **53**(1): 674, 1955 (Kolhapur, Maharashtra). Misra, *Rec. Indian Mus.*, **57**: 204, 1959 (Fresh and brackish waters of Bombay, Wynaad, Malabar, Travancore-Cochin, Coorg, Madras, Coromandal. Ceylon excluded). Tilak, *Rec. Zool. Surv. India*, **67**: 108, 1972 (Goa). Jayaram, *HBFW Fish. India.*, p. 295, 1981 (Coorg, Wynaad, Kerala coast. Sri Lanka excluded). Talwar and Jhingran, *Inland Fish.*, **2**: 751, 1991 (Western and South-eastern regions). Menon, *Indigenous Larvivoracious Fish. India*, **15**, 1991 (Peninsular India. Sri Lanka excluded).

*Distribution* : Widely distributed in Peninsular India.

*Habitat* : Freshwater tanks, small streams and rivulets, paddy fields and even in tidal waters.

Size : 10.0 cm TL.

397. *Aplocheilus panchax* (Hamilton)

*Esox panchax* Hamilton, *Fish. Ganges*, pp. 211, 380, Pl. 3, fig. 69, 1822 (Type-locality: Bengal). McClelland, *Asiat. Res.*, p. 302, Pl. 3, fig. 6, 1839 (Sundarbans).

*Aplocheilus chrysostigmus* McClelland, *Asiat. Res.*, pp. 301, 426, pl. 42, fig. 2, 1839 (Sundarbans and ponds around Calcutta).

*Panchax buchmanii* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 18: 383, 1864 (Bengal). Bleeker *Verh. Bat. Gen.*, 25: 72, 1853.

*Panchax melanopterus* Bleeker, *Verh. Bat. Gen.*, 23 : 144, 1850. Bleeker, *Verh. Bat. Gen.* 25 144, 1853.

*Haplocheilus Panchax*, Gunther, *Cat. Fish. Brit. Mus.*, 6: 311, 1865 (East Indies and Ganges). Day, *Fish. India*, p. 523, Pl. 121, fig. 3, 1877. (From Orissa, through lower province of Bengal, Burma, Siam to Malay Archipelago, also Andaman). Day, *Faun. Brit. Ind. Fish.*, 1: 417, 1889.

*Panchax panchax*, Chaudhuri, *Mem. Indian Mus.*, 5: 451, 1916 (Chilka, Orissa).

*Aplocheilus panchax*, Misra, *Rec. Indian Mus.*, 57: 205, fig. 122, 1959 (Fresh and brackish water of Punjab, Uttar Pradesh, Bihar, West Bengal, Assam, Orissa, Madhya Pradesh). Srivastava, *Fish. East. U.P.*, p. 163, fig. 89, 1968 (Eastern U.P.). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 87, 1974 (India. Pakistan. Bangladesh. Burma. Thailand and Malay Peninsula). Shrestha, *Fish. Nepal*, p. 229, 1981 (Hetauda pond, Nepal). Jayaram, *HBFW Fish. India*, p. 295, 1981 (Orissa, West Bengal, Andaman and Bangladesh). Talwar and Jhingran, *Inland Fish*; 2: 752, 1991 (Pakistan. India. Bangladesh. Burma and Indo-Malaysian Archipelago). Menon, *Indigenous Larvivorous Fish. India*. p. 15, 1991 (Northern India. Malaya. Burma. Thailand. Ceylon excluded).

**Distribution** : India : Northern India. Pakistan : Lower Indus Plain and adjoining hilly areas. Bangladesh. Burma. Thailand. Indo-Malayan Archipelago.

**Habitat** : Clear shallow fresh and brackish waters.

**Size** : 9.0 cm TL., commonly 5 cms.

398. *Aplocheilus parvus* (Raj)

*Panchax parvus* Raj, *Rec. Indian Mus.*, 12: 268, 1916 (Rivers and tanks of Madras City).

*Aplocheilus blochii*, (nec Arnold), Hora, *Rec. Indian Mus.*, 44(2): 197, 1942 (Nilgiris, Wynaad and Coorg). Menon, *Indigenous Larvivorous Fish. India*, p. 14, 1991 (Madras to Pennar System in Andhra Pradesh).

*Aplocheilus panchax* (nec Hamilton), Deraniyagala, *Coloured Atlas Vert. Ceylon*, p. 90, 1952 (Ceylon).

*Panchax panchax blochii* (nec Arnold), Munro, *Marine and F. water Fish. Ceylon*, p. 85, 1955 (Ceylon). Rao, *Matsya*. 2: 57, 1976 (Godavary estuary).

*Aplocheilus blochii* (nec Arnold), Misra, *Rec. Indian Mus.*, 57: 204, 1959 (Misspelt), (Madras and Ceylon. Kutch, Ahmedabad and Pakistan excluded).

*Aplocheilus blocki* (in part), Talwar and Jhingran, *Inland Fish.*, 2: 750, 1991 (Tamil Nadu. Kerala and Kutch excluded).

*Aplocheilus parvus*, Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 184, 1991 (Sri Lanka).

*Distribution* : India: Peninsular India : Coromandal coast. Sri Lanka.

*Habitat* : Sheltered fresh and brackish water tanks, small streams and rivulets overgrown with vegetation.

*Size* : 6.25 cm TL., commonly 4 cms.

#### Genus 101 : *Aphanius* Nardo

*Aphanius* Nardo, *Isis* (Oken), 20(6): 48, 1827 (Type, *Aphanius fasciatus* Nardo). Parenti, *Bull. Am. Mus. nat. Hist.* 168(4): 521 - 522, 1981 (Redefinition).

*Aphaniops* Hoedeman, *Beaufortia*, p. 2, 1951 (Type, *Lebias dispar* Ruppell).

#### 399. *Aphanius dispar* (Ruppell)

*Lebias dispar* Ruppell, *Atl. Fische*, p.66, Pl. 18, fig. 1 and 2, 1828 (Type-locality : Abyssinia).

*Cyprinodon lunatus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 18: 161, 1846 (Red Sea).

*Cyprinodon hammonia* Richardson, *Proc. zool. Soc. Lond.*, p. 371, 1856.

*Cyprinodon dispar*, Gunther, *Cat. Fish. Brit. Mus.*, 6: 303, 1866 (North Africa). Klunz, *Verh. Bat. Gen. Wien.* p. 687, 1871. Day, *Fish. India*, p. 521, Pl. 121, fig. 1 (male) and 2 (female), 1878 (Abyssinia, Palestine, Shores of Red Sea., common in Cuba). Day, *Faun. Brit. Ind. Fish.*, 1: 414, 1889.

*Cyprinodon stoliczkanus* Day, *J. Asiat. Soc. Beng.*, p. 258, 1872 (Kutch).

*Aphanius dispar stoliczkae*, Berg, *Trudy Zoo. Inst. Leningrad*, 8: 848, fig. 68, 1949. Misra, *Rec. Indian Mus.*, 57: 206, 1959 (Fresh and brackish water of Kutch, Pakistan, Baluchistan, Sind, Abyssinia, Palestine, shores of Red and Deep sea, Iraq). Jayaram, *HBFW Fish. India*, p. 294, 1981 (Common in Gujarat, Pakistan and Gulf countries in Middle East). Talwar and Jhingran, *Inland Fish.*, 2:

754, 1991 (Abyssina, Southern Arabia, Iraq, Pakistan, India: Kutch and Rajasthan). Menon, *Indigenous Larvivoracious Fish. India.* p. 16, 1991 (India : Kutch, Pakistan : Sind. Ethiopia and Palestine, along the shores of Red sea).

*Distribution* : India Kutch. Ethiopia. Southern Arabia. Iraq. Iran. Oman. Pakistan : Lower Indus plain and adjoining hilly areas.

*Habitat* : Fresh and brackish waters.

*Size* : 7.5 cm TL.

Superorder : ACANTHOPTERYGII  
 order VII : GASTEROSTEIFORMES  
 Sub order SYNGNATHOIDEI  
 Family 21 : SYNGNATHIDAE

Genus 102 *Microphis* Kaup

*Microphis* Kaup, *Arch. Natur.*, **19**(1): 234, 1853 (Type, *Syngnathus deocata* Hamilton).

*Oostethus* Hubbs, *Occ. Pap. Mus. Zool. Univ. Michigan*, (199): 3, 1929 (Type, *Doryichthys lineatus* (Kaup)).

*Paramicrophis* Klausewitz *Senck. Biol.* **36**(5-6): 325, 1955 (Type, *Paramicrophis schmidti* Klausewitz).

*Lophocampus* Dawson, *Bull. Mar. Sci.*, **35**(2) : 166, 1984 (Type, *Syngnathus retzii* Bleeker).

#### 400. *Microphis deocata* (Hamilton)

*Syngnathus deocata* Hamilton, *Fish. Ganges*, pp. 14, 363, 1822 (Type-locality : Tista, Kuwarlayi, and other rivers of Puraniya, or Mithila in the north of Bengal and Bihar). Gray. *Ill. Ind. Zool.* 1, Pl. 89, fig. 4, 1830. Bleeker, *Verh. Bat. Gen.*, **25**: 80, 1853.

*Microphis deocata*, Kaup, *Archiv. Natara*, p. 64, 1856. Dumeril, *Hist. Nat. Poiss.*, **2**: 590, 1870.

*Doryichthys deocata*, Day, *Fish. India*, p. 680, 1878 (Rivers of Bengal and Bihar). Day, *Faun. Brit. Ind. Fish.*, **2** 466, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3** 109, Pl. 4, fig. 10 and 11, fig. 113, 1937 (N. Bengal). Sehgal, *J. Bombay nat. Hist. Soc.*, **53**(1): 722, 1955 (Tangla, Assam). Menon, *J. Zool. Soc. India*, **14**(1): 30, 1962 (Brahmaputra drainage). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 88, 1974 (W Bengal and Bihar). Jayaram, *HBFW Fish. India*, p. 302, 1981 (West Bengal, Bihar, Bangladesh, Chandpur).

*Microphis (Microphis) deocata*, Dawson, *Bull. Mar. Sci.*, **35**(2): 144, figs. 13 and 14, 1984.

*Microphis deocata*, Talwar and Jhingran, *Inland Fish.*, 2: 771, 1991.

*Distribution* : India West Bengal, Bihar, Assam. Bangladesh.

*Habitat* Rivers, streams and lakes among aquatic plants.

*Size* : 15.0 cm SL.

Order VIII CHANNIFORMES

Family 22 : CHANNIDAE

Genus 103 : *Channa* Scopoli

*Channa* Scopoli, *Introd. Hist. Nat.*, p. 459, 1777 (Type, *Channa orientalis* Bloch and Schneider).

*Ophicephalus* Bloch, *Natur. Aus. fishche*, (7): 137, 1794 (Type, *Ophicephalus punctatus* Bloch).

#### 401. *Channa amphibi* (McClelland)

*Ophiocephalus amphibi* McClelland, *Calcutta J. Nat. Hist.*, 5 : 275, 1845 (Type-locality : River Chail, a tributary of Brahmaputra, Bhutan.) Shaw and Shebbeare (in part), *J. Asiat. soc. Beng.*, 3 : 119, Pl. 1 and 6, 1937 (N. Bengal).

*Ophicephalus barca* Day (in part), *Fish. India*, p. 365, 1876 (Bengal. Assam and North-Western Frontier Provinces excluded). Day (in part), *Faun. Brit. Ind. Fish.*, 2 : 361, 1889.

*Channa barca*, Menon (in part), *Inland Fish. Soc. India Spl. Publ.*, No.1 : 88, 1974 (N. Bengal and Bhutan Assam excluded).

*Channa amphibia*, Menon, *J. Zool. Soc. India*, 14 (1) : 30, 1962 (Brahmaputra drainage). Jayaram, *HBFW Fish. India*, p.306, 1981 (Bhutan).

*Channa amphibi*, Talwar and Jhingran, *Inland Fish.*, 2 : 1015, 1991 (North Bengal and Bhutan).

*Distribution* : India : North Bengal and Bhutan.

*Habitat* Freshwater rivers.

*Size* : 90.0 cm TL.

#### 402. *Channa barca* (Hamilton)

*Ophiocephalus barca* Hamilton, *Fish. Ganges*, pp. 67, 367, Pl. 35, fig. 20, 1822 (Type-locality River Brahmaputra, near Goalpara, Assam). Cuvier, *Hist. Nat. Poiss.*, 7: 436, 1831 Gunther, *Cat. Fish. Brit. Mus.*, 3 : 477, 1861 Day (in part),

*Fish. India*, p. 365, Pl. 77, fig. 2, 1876 (Large rivers of Bengal and Assam. N.W.F.P. excluded). Day (in part), *Faun. Brit. Ind. Fish.*, 2 : 361, fig. 118, 1889.

*Ophicephalus nigricans* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 7: 431, 1831  
Gunther, *Cat. Fish. Brit. Mus.*, 3: 477, 1861

*Bora chung* Russel, *J. Asiat. Soc. Beng.*, 8: 551, 1839.

*Channa barca*, Menon, (in part), *Inland Fish. Soc. India Spl. Publ. No. 1* 88, 1974 (Assam and N. Bengal. Bhutan excluded). Jayaram, *HBFW Fish. India*, p. 306, 1981 (W Bengal, Meghalaya, Bangladesh. Pakistan excluded). Talwar and Jhingran, *Inland Fish.*, 2: 1016, 1991 (West Bengal, Assam. Bangladesh).

*Distribution* : India : West Bengal: Assam. Bangladesh.

*Habitat* : Large freshwater rivers.

*Size* : 90.0 cm TL.

#### 403. *Chana marulius* (Hamilton)

*Ophiocephalus marulius* Hamilton, *Fish. Ganges*, pp. 65, 367, Pl. 17, fig. 9, 1822 (Type-locality : River Ganges. Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 432, 1831. Bleeker, *Verh. Bat. Gen.*, 25: 42, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 3: 478, 1861 (Bengal, Hindustan, Ceylon). Day, *Fish. India*, p. 363, Pl. 76, fig. 4, 1876 (Ceylon, India, China). Day, *Faun. Brit. Ind. Fish.*, 2: 360, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 122, Pl. 4, fig. 2, 1937 (Terai and Duars of N. Bengal). Hora, *Rec. Indian. Mus.*, 44(2): 198, 1942 (Nilgiri, and Coorg). Sinha and Shiromany, *Rec. Indian Mus.*, 51(1): 63, 1953 (Lalinadi, Hindor nadi and Garmukteswar, Meerut, U.P.). Jhingran, *Fish and Fisheries India*, p. 107, 1975 (Ceylon, India, Burma and Further east). Jayaram *et al*; *Rec. zool. surv. India. Occ. Pap.*, No. 36: 26, 95, 1982 (Throughout India, Pakistan, Bangladesh, Sri Lanka, Burma, Thailand and China). Sharma and Rajput, *J. Bombay nat. Hist. Soc.* 83(3): 567, 1986 (Bijnour district, U.P.).

*Ophiocephalus grandinosus* Cuvier (in C & V), *Hist. nat. Poiss.*, 7: 43, Pl. 203, 1831  
Bleeker, *Verh. Bat. Gen.*, 25: 42, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 3: 478, 1861 (Bengal Hindustan and Ceylon).

*Ophiocephalus sowarah* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 42, 1831  
Bleeker *Verh. Bat. Gen.* 25: 42, 1853.

*Ophiocephalus theophrasti* Valenciennes, *Jacq. Voy. Ind. Ori.*, Pl. 13, fig. 1 1835-44.

*Ophicephalus leucopunctatus* Sykes, *Trans. Zool. Soc. Lond.*, 2: 352, Pl. 60, fig. 3,

1841 Bleeker, *Verh. Bat. Gen.*, **25**: 42, 1853. Hora and Misra *J. Bombay nat. Hist. Soc.*, **223**, 1942 (Poona). Fraser, *J. Bombay Nat. Hist. Soc.*, **43**(1): 90, 1942 (Mutha river, Poona). David, *Proc. Nat. Acad. Sci. India*, **33B**(2): 283, 1963 (Krishna and Godavari).

*Ophiocephalus pseudomarulius* Gunther, *Cat. Fish. Brit. Mus.*, **3**: 478, 1861 (East Indian continent). Beavan, *HBFW Fish. India*, p. 178, 1877. Day, *Fish. India*, p. 364, 1878 (East India). Day, *Faun. Brit. Ind. Fish.*, **2**: 362, 1889.

*Ophiocephalus aurolineatus* Day, *Proc. Zool. Soc. Lond.*, p. 99, 1870 (Moulmein, Burma).

*Ophicephalus marulius ara* Deraniyagala, *Spolia Zeyl.* **24**: 93, 1945 (Ceylon).

*Channa marulius*, Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53**(1): 674, 1955 (Kolhapur). Sehgal, *J. Bombay, nat. Hist. Soc.*, **53**(1): 722, 1955 (Tangla, Assam). Motwani and David, *J. Zool. Soc. India*, **9**(1): 12, 1957 (R. Sone). Menon, *J. Zool. Soc. India*, **14**(1): 30, 1962 (Brahmaputra and Indus drainages). David, *Proc. nat. Acad. Sci. India*, **33B**(2): 284, 1963 (Godavary and Krishna). Datta and Majumdar, *Rec. Zool. Surv. India*, **62**(1 and 2) : 96, 1970 (Rajasthan). Jayaram, *HBFW Fish. India*, p. 306, 1981 (Throughout India). Talwar and Jhingran, *Inland Fish.*, **2**: 1017, 1991 (Pakistan, India, Sri Lanka, Bangladesh, Nepal, Burma, Thailand and China). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 279, 1991 (Widely distributed in the island upto 500 m).

*Distribution* : India. Pakistan. Sri Lanka. Bangladesh. Nepal. Burma. Thailand. Sumatra. Borneo and China.

*Habitat* : Deep pools in streams, rivers and large lakes.

*Size* : 1.2 m TL., weighing over 30 kg., usually about 46 cm.

#### 404. *Channa orientalis* Bloch and Schneider

*Channa orientalis* Bloch and Schneider, *Syst. Ichth.* p. 496, Pl. 90, fig. 2, 1801 (Type-locality : India). Gunther, *Cat. Fish. Brit. Mus.*, **3**: 483, 1861 (Ceylon). Day, *Fish. India*, p. 368, Pl. 78, fig. 2, 1876 (Ceylon). Day, *Faun. Brit. Ind. Fish.*, **2** 365, fig. 119, 1889 (Ceylon). Menon, *J. Zool. Soc. India*, **14**(1): 30, 1962 (Brahmaputra and Himalayas). Jayaram, *HBFW Fish. India*, p. 306, 1981 (Throughout India). Talwar and Jhingran, *Inland Fish.*, **2**: 1019, 1991 (Afganistan, Iran, Pakistan, India, Nepal, Sri Lanka, Balgladesh, Burma and the East Indies). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 201, 1991 (S. Western wet zone).

*Ophiocephalus gachua* Hamilton, *Fish. Ganges*, pp. 68, 367, Pl. 21, fig. 21, 1822 (Bengal). Bleeker, *Verh. Bat. Gen.*, **25**: 42, 1853. Gunther, *Cat. Fish. Brit.*

- Mus.*, 3: 471, 1861 (East Indian continent and Archipelago). Day, *Fish. India*, P. 367, 1876 (India, Ceylon, Burma, Andamans). Day, *Faun. Brit. Ind. Fish.*, 2: 364, 1889 (India, Ceylon, Burma, Andamans). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 121, 1937 (N. Bengal). Menon, *J. Bombay nat. Hist. Soc.*, 48(3): 54, 1949 (Kumaon). Menon, *Rec. Indian Mus.*, 47: 229, 1949 (Hosiarpur). Lal and Chatterjee, *J. Zool. Soc. India*, 14(2): 242, 1962 (Eastern Doon).
- Ophiocephalus auranticus* Hamilton, *Fish. Ganges*, pp. 69, 368, Pl. 23, fig. 22, 1822 (Goalpara, Assam).
- Ophiocephalus limbatus* Cuvier (in C & V), *Hist. Nat. Poiss.*, 1: 201, 1831.
- Ophiocephalus coramota* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 414, 1831 (Vizag).
- Ophiocephalus fusca* Cuvier (in C & V), *Hist. Nat. Poiss.*, 1: 414, 1831.
- Ophiocephalus marginatus* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 414, 1831 (Pondicherry).
- Ophiocephalus montanus* McClelland, *Calcutta J. Nat. Hist.*, 2: 583, 1842 (Baisoot, Jullalabad, Himalayas).
- Philypnoides surakartensis* Bleeker, *Verh. Bat. Gen.*, 25: 19, 1853.
- Ophicephalus apus* Canestrini, *Arch. Zool. Anat. Comp.*, 1: 77, Pl. 4, fig. 7, 1861 (Type-locality: Burma).
- Ophiocephalus montanus* Bleeker, *Verh. bat. Gen.*, 25: 42, 1853.
- Ophiocephalus kelaartii* Gunther, *Cat. Fish. Brit. Mus.*, 3: 472, 1861 (Type-locality : Ceylon).
- Ophiocephalus gachua malaccensis* Peters, *Monatsber. Akad. Wiss. Berlin*, p. 262, 1868.
- Ophiocephalus harcourt-butleri* Annandale, *Rec. Indian Mus.*, 14: 54, Pl. 2, fig. 7, Pl. 4, fig. 16, 17, 1918. Annandale, *Rec. Indian Mus.*, 2: 208, 1921 (Manipur).
- Channa burmanica* Chaudhuri, *Rec. Indian Mus.*, 16: 284, Pl. 22, fig. 4, 1919 (Irrawady, N. Burma).
- Ophicephalus gachua kelaartii*, Deraniyagala, *Spolia Zeyl.*, p. 28, 1945 (Ceylon).
- Channa gachua*, Menon, *Rec. Indian Mus.*, 52: 22, 1954 (Manipur). Rajan, *J. Bombay nat. Hist. Soc.*, 53(1): 46, 1955 (Bhavani River). Sehgal, *J. Bombay nat. Hist. Soc.*, 53(1): 722, 1955 (Assam). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, 53(1): 674, 1955 (Kolhapur). Motwani and David, *J. Zool. Soc. India*, 9(1): 12, 1957 (River Sone). Sehgal, *J. Bombay nat. Hist. Soc.*, 70(3): 467, 1973 (Mandi, H.P.). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 279, 1919 (Widely distributed in the island).

*Distribution* : Iran. Afghanistan. Pakistan. India. Nepal. Sri Lanka. Bangladesh. Burma. Thailand. Yunan. Malaya. Malay-Archeipelago. Hainan and Taiwan.

*Habitat* : Freshwater streams and ponds of plains to those in very high elevations; also tolerant of poorly oxygenated stagnant dirty ponds.

*Size* : 33.0 cm TL., usually 16 cm.

#### 405. *Channa punctatus* (Bloch)

*Ophiocephalus punctatus* Bloch, *Natur, Aus. Fische*, 7: 139, Pl. 358, 1793 (Type-locality Coromandal coast). Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 404, 1831. Jerdon, *Madras J. Lit. Sci.*, 15: 145, 1848. Bleeker, *Verh. Bat. Gen.*, 25: 42, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 3: 469, 1861 (East Indian continent and Ceylon). Kner, *Novara Fische*, p. 233, 1865. Day, *Fish. Malabar*, p. 151, 1865. Day, *Fish. India*, p. 367, Pl. 78, fig. 1, 1876 (Plains of India). Day, *Faun. Brit. Ind. Fish.*, 2: 364, 1889 (India). Regan, *Rec. Indian Mus.*, 1: 158, 1907 (Nepal). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 123, Pl. 4, fig. 1, 1937 (N. Bengal). Hora, *Rec. Indian Mus.*, 39: 44, 1937 (Nepal). Menon, *Rec. Indian Mus.*, 47: 235, 1949 (River Kosi). Deraniyagala, *Coloured Atlas Vert. Ceylon*, p. 127, 1952 (Ceylon). Lal and Chatterjee, *J. Zool. Soc. India*, 14(2): 234, 1962.

*Ophiocephalus karrouveri* Lacepede, *Hist. Nat. Poiss.*, 3: 552, 1802 (Tranquebar, Tamilnadu).

*Ophiocephalus lata* Hamilton, *Fish. Ganges*, p. 63, 367, Pl. 34 fig. 18, 1822 (R. Ganges).

*Ophiocephalus indicus* McClelland, *Calcutta J. Nat. Hist.*, 2: 583, 1842 (Loodianah and Jallalabad, Afghanistan). Bleeker, *Verh. Bat. Gen.*, 25: 42, 1853.

*Ophiocephalus affinis* Gunther, *Cat. Fish. Brit. Mus.*, 3: 470, 1861 (Marutius).

*Channa punctatus*, Menon, *Rec. Indian Mus.*, 52: 22, 1954 (Manipur). Seghal, *J. Bombay nat. Hist. Soc.*, 53(1): 722, 1955 (Mangaldai and Tangla, Assam). Motwani and David, *J. Zool. Soc. India*, 9(1): 12, 1957 (R. Sone). David, *Proc. nat. Acad. Sci. India*, 33B(2): 284, 1963 (Krishna and Godavary). Singh and Kamble, *Bull. Zool. Surv. India*, 8(1-3): 293, 1987 (Jalgaon Dist. Maharashtra). Talwar and Jhingran, *Inland Fish.*, 2: 1020, 1991 (Afghanistan. Pakistan. India. Sri Lanka. Nepal. Bangladesh. Burma. Yunan).

*Channa punctata*, De Witt, *Stanford. Ichth. Bull.*, 7(4): 82, 1960 (Nepal). Menon, *J. Zool. Soc. India.*, 14(1): 30, 1962 (Kosi, Brahmaputra, Bagmati, Gantak; Rapti, Karnali, Kali, Ramganga, Ganges, Jamna, Indus). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 90, 1974 (Ceylon, India, Pakistan, Nepal, Bangladesh and Burma). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 285, 1991 (Throughout the lowlands including coastal marshes of the island).

**Distribution** : Afghanistan. Pakistan. India. Nepal. Sri Lanka. Bangladesh. Burma. Yunan.

**Habitat** : Large freshwater tanks, ponds and swamps of the plains.

**Size** : 30.4 cm TL., commonly, but only upto 11 cm in the plains.

406. *Channa stewartius* (Playfair)

*Ophiocephalus stewartii* Playfair, *Proc. Zool. Soc. Lond.*, p. 14, Pl. 3, 1877 (Type-locality : Cachar, Assam). Day, *Fish. India*, p. 367, Pl. 77, fig. 3, 1876 (Cachar and Assam). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 123, Pl. 4, fig. 3, 1937 (N. Bengal). Menon, *Rec. Indian Mus.*, 47: 235, 1949 (R. Kosi, East Nepal).

*Channa stewartii*, Menon, *J. Zool. Soc. India*, 14(1): 30, 1962 (Brahmaputra, Kosi, Bagmati, Gandak drainages). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 91, 1974 (E. Himalayas). Shrestha, *Fish. Nepal*, p. 239, 1981 (Panchkhal, Bagmati zone, Jhiku river). Jayaram, *HBFW Fish India*, p. 307, 1981 (Meghalaya, Bihar, W Bengal, Arunachal Pradesh. Nepal). Talwar and Jhingran, *Inland Fish.*, 2: 1021, 1991 (Eastern Himalaya, Nepal).

**Distribution** : India : Eastern Himalayas (Brahmaputra, Kosi, Bagmati and Gandak drainages). Nepal.

**Habitat** : Ponds and streams.

**Size** : 25.0 cm TL.

407. *Channa striataus* (Bloch)

*Ophiocephalus striatus* Bloch, *Natur. Aus. Fische*, 2: 141, Pl. 359, 1791 (Type-locality : Malabar). Bleeker, *Verh. bat. Gen.*, 25: 42, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 3: 474, 1861 (East Indies). Day, *Fish. India*, p. 366, 1878 (India, Ceylon, China, Philippines). Day, *Faun. Brit. Ind. Fish.*, 2: 363, 1889 (India, Ceylon, China and Philippines). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 124, Pl. 4, fig. 4, 1937 (N. Bengal). Menon, *Rec. Indian Mus.*, 52: 22, 1954 (Manipur). Misra, *Rec. Indian Mus.*, 57(1): 219, 1959. Lal and Chatterjee, *J. Zool. Soc. India*, 14(2): 234, 1962 (E. Doon Valley).

*Ophiocephalus wruhl* Lacepede, *Hist. Nat. Poiss.*, 3: 552, 1802 (Type-locality : Tranquebar). Hamilton, *Fish. Ganges*, pp. 60, 367, Pl. 31, fig. 17, 1822.

*Ophiocephalus chena* Hamilton, *Fish. Ganges*. p. 62, 1822 (Goalpara, Assam).

*Ophiocephalus planiceps* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 424, 1831 (Java).

*Ophiocephalus sowarah* Bleeker, *Nat. Gen. Arch. Ned. Ind.*, 2(3): 519, 1845.

*Ophiocephalus micropeltes* (nec Cuvier) Day, *Fish. India*, p. 365, 1877 (Malabar and West Coast of India., Siam and Malay Archipelago). Hora, *Rec. Indian Mus.*, 43: 239, 1941 (West Coast of India, Malaya Archipelago).

*Channa striatus*, Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, 53(1): 674, 1955 (Kolhapur). Motwani and David, *J. Zool. Soc. India*, 9(1): 12, 1957 (River Sone). Menon, *J. Zool. Soc. India*, 14(1): 30, 1962 (Brahmaputra and Indus). David, *Proc. nat. Acad. Sci. India*, 33B(2): 284, 1963 (Krishna and Godavary). Datta and Majumdar, *Rec. Zool. Surv. India*, 62(1 & 2): 97, 1970 (Rajasthan). Jayaram, *HBFW Fish. India*, p. 307, 1981 (Throughout India). Talwar and Jhingran, *Inland Fish.*, 2: 1022, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 286, 1991 (Lowlands of Sri Lanka).

*Channa micropeltes*, (nec Cuvier) Jayaram, *HBFW Fish. India*, p. 306, 1981 (Kerala, Thailand to Malay-Archipelago). Talwar and Jhingran, *Inland Fish.*, 2: 1018, 1991 (Kerala, Burma, Thailand, Malay peninsula, Sumatra and Java).

*Distribution* : Ceylon. India. Pakistan. Bangladesh. Nepal. Burma. Malaya. Malay-Archipelago. Thailand upto Philippines.

*Habitat* : Freshwater ponds, streams and rivers, preferring stagnant and muddy water of the plains.

*Size* : 75.0 cm TL., usually 40 cm.

Order IX	: SYNBRANCHIFORMES
Suborder	: SYNBRANCHOIDEI
Family 23	: SYNBRANCHIDAE
Subfamily	: SYNBRANCHINAE
Genus 104	: <i>Monopterus</i> Lacepede

*Monopterus* Lacepede, *Hist. Nat. Poiss.*, 2: 139, 1800 (Type, *Monopterus javanensis* Lacepede = *Muraena alba* Zuiew).

*Fluta* Bloch and Schneider, *Syst. Ichth.*, p. 565, 1801 (Type, *Monopterus javanensis* Lacepede).

*Ophichthys* Swainson, *Nat. Hist. Fish.*, 2: 336, 1839 (Type, *Unibranchapertura cuchia* Hamilton; used as a replacement name in the combination of *O. punctata* Swainson).

*Amphipnous* Muller, *Abh. Akad. Wiss. Berlin*, p. 246, 1841 (Type, *Unibranchapertura cuchia* Hamilton).

408. *Monopterus albus* (Zuiew)

*Muraena alba* Zuiew, *Nov. Act. Ac. Sc. Peteropol*, 7: 299, Pl. 7, fig. 2, 1793 (Type-locality: Asiatic Russia).

*Monopterus javanensis* Lacepede, *Hist. Nat. Poiss.*, 2: 139, 1800, Gunther, *Cat. Fish. Brit. Mus.*, 8: 14, 1870. Day, *Fish. India*. p. 656, Pl. 169, fig. 1, 1878 (Burma, Malay Archipelago and China). Day, *Faun. Brit. Ind. Fish.*, 1: 70, fig. 28, 1889.

*Unibranchapertura laevis* Lacepede, *Hist. Nat. Poiss.*, 2: 658, Pl. 17, fig. 3, 1800 (China).

*Monopterus javanicus* Shaw, *Gen. Zool.*, 4: 38, 1803.

*Synbranchus grammicus* Cantor, *Ann. Mag. Nat. Hist.* 9: 30, 1842 (Chusan, China).

*Monopterus xanthognathus* Richardson, *Voy Sulphur. Ichth.*, p. 118, 1845 (Canton, China).

*Monopterus cinereus* Richardson, *Voy. Sulphur. Ichth.*, p. 117, 1845 (Woosung, China).

*Monopterus laevis*, Richardson, *Voy. Sulphur. Ichth.*, p. 117, 1845 (China).

*Ophicardia phyariana* McClelland, *Calcutta J. Nat. Hist.*, 5: 191, 218, Pl. 112, fig. 1, 1845 (Bengal).

*Monopterus marmoratus* Richardson, *Ichth. China*, p. 316, 1846 (China).

*Ophicardia xanthognatha* Richardson, *Ichth. China*, p. 316, 1846 (China).

*Aptergia saccogularis* Basilewsky, *Nouv. Mem. Nat. Moscow*, 10: 247, 1855 (North, China).

*Aptergia nigromaculata* Basilewsky, *Nouv. Mem. Nat. Moscow*, 10: 248, 1855 (Peking, China).

*Aptergia immaculata* Basilewsky, *Nouv. Mem. Nat. Moscow*, 10: 248, 1855 (Peking, China).

*Monopterus albus*, Annandale, *Rec. Indian Mus.*, 16: 42, 1918. Hora, *Rec. Indian Mus.*, 22: 177, 1921 (Manipur). Rosen and Greenwood, *Bull. American Mus. Nat. Hist.* 157(2): 59, 1976 (Revision). Jayaram, *HBFW Fish. India*, p. 310, 1981 (Meghalaya, Arunachal Pradesh, Assam, Indo-Malayan Archipelago and Japan).

*Monopterus alba*, Menon, *Inland Fish. Soc. India, Spl. Publ.*, No. 1 92, 1974 (Throughout South-East Asia, East of Bay of Bengal extending Northwest China and Japan).

*Monopterus (Monopterus) albus*, Talwar and Jhingran, *Inland Fish.*, 2: 778, 1991 (India: Northeastern region. Bangladesh. Burma. East Indies. Indo-Malayan Archipelago. China. Japan).

*Distribution* : India: Northeastern India. Throughout Southeast Asia. China and Japan. Sulawesi. Also reported from Queensland.

*Habitat* : Streamlets, canals and estuaries.

*Size* : 45.0 cm TL.

#### 409. *Monopterus cuchia* (Hamilton)

*Unibranchapertura cuchia* Hamilton, *Fish. Ganges*, pp. 16, 363, Pl. 16, fig. 74, 1822 (Type-locality: S.E.Bengal).

*Amphipnous cuchia*, Muller, *A K. Wiss. Berl.*, p. 244, 1839. Day, *Fish. India*, p. 656, Pl. 167, fig. 1, 1878 (Punjab, Bengal, Orissa, Assam and Burma). Day, *Faun. Brit. Ind. Fish.*, 1: 69, fig. 27, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 128, fig. 130, 1937 (N. Bengal). De Witt, *Stanford Ichth. Bull.*, 4: 83, 1960 (Nepal). Silas and Dawson, *J. Bombay nat. Hist. Soc.*, 58(2): 376, 1961. Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 92, 1974 (N. India, Nepal, Pakistan, Bangladesh, Assam and Burma).

*Ophichthys punctata* Swainson, *Nat. Hist. Fish.*, 2: 336, 1839.

*Pneumobranchus leprosus* McClelland, *Calcutta J. Nat. Hist.*, 5: 195, 196, 1845 (Bengal).

*Pneumobranchus albinus* McClelland, *Calcutta J. Nat. Hist.*, 5: 219, 1845 (Bengal).

*Monopterus cuchia*, Rosen and Greenwood, *Bull. American Mus. Nat. Hist.*, 157: 59, 1976 (Revision). Jayaram, *HBFW Fish. India*, p. 310, 1981 (India: North and north eastern parts. Pakistan. Nepal. Burma. Bangladesh).

*Monopterus (Amphipnous) cuchia*, Talwar and Jhingran, *Inland Fish.*, 2: 776, 1991 (North and north eastern India. Nepal and Burma).

*Distribution* : Northern and North eastern India. Pakistan. Nepal. Bangladesh and Burma.

*Habitat* : Fresh and brackish waters, occasionally found during drought season in mud holes in paddy fields in Terai and Duars of North Bengal.

*Size* : 60.0 cm TL.

#### 410. *Monopterus eapeni* Talwar

*Monopterus indicus* (nec Silas and Dawson) Eapen, *Bull. Deptt. Mar. Biol. Oceanogr.*

*Univ. Kerala*, 1: 130, 1963 (Type-locality : Kottayam, Kerala state). Rosen and Greenwood, *Bull. American Mus. Nat. Hist.*, 157(1): 58, 1976 (Kerala).

*Monopterus (Monopterus) eapeni* Talwar and Jhingran, *Inland Fish.*, 2: 779, 1991 (Kerala State).

*Distribution* : India: Kerala: Kottayam.

*Habitat* : Subterranean waters.

*Size* : 16.0 cm TL.

*Status* : Rare.

411. *Monopterus fossorius* (Nair)

*Amphipnous fossorius* Nair, *Proc. Indian Acad. Sci.*, 34B(6) 311, 1952 (Type-locality: Karamanai river, Trivandrum, Kerala). Silas and Dawson, *J. Bombay nat. Hist. Soc.*, 52(2): 377, 1961.

*Monopterus fossorius*, Rosen and Greenwood, *Bull. American Mus. Nat. Hist.*, 157(2): 59, 66, 1976. Jayaram, *HBFW Fish. India*, p. 310, 1981 (Trivandrum).

*Monopterus (Amphipnous) fossorius*, Talwar and Jhingran, *Inland Fish.*, 2: 777, 1991 (Coastal area of Kerala).

*Distribution* : India : Kerala.

*Habitat* : Marshy areas, paddy fields, ditches and ponds.

*Size* : 23.0 cm TL.

*Status* : Rare.

412. *Monopterus hodgarti* (Chaudhuri)

*Moringua hodgarti* Chaudhuri, *Rec. Indian Mus.*, 8: 255, Pl. 9, fig. 3, 3a, 3b, 1939 (Type-locality: Rotung, Abor Hills). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 93, 1974 (Rotung, Abor Hills).

*Distribution* : India : Abor hills, Arunachal Pradesh.

*Habitat* : Hill streams.

*Size* : 22.0 cm TL.

*Status* : Rare.

413. *Monopterus indicus* (Silas and Dawson)

*Amphipnous indicus* Silas and Dawson, *J. Bombay nat. Hist. Soc.*, **58**(2): 366, fig. 7, Pl. 2, 1961 (Type-locality: Robbers cave, Mahableshwar, Maharashtra).

*Monopterus indicus*, Rosen and Greenwood, *Bull. American Mus. Nat. Hist.*, **157**(1): 61, 66, 1961 (Revision). Jayaram, *HBFW Fish. India*, p. 310, 1981 (Robbers cave, Shobi falls, Mahabaleshwar. Borivill, Bombay).

*Monopterus (Amphipnous) indicus*, Talwar and Jhingran, *Inland Fish.*, **2**: 377, 1991 (Western Ghats of Bombay).

*Distribution* : India: Maharashtra.

*Habitat* : Hill streams.

*Size* : 8.5 cm TL.

*Status* : Rare.

Genus 105 : *Ophisternon* McClelland

*Ophisternon* McClelland, *Calcutta, J. Nat. Hist.*, **5**(18): 175, 196, 1845 (Type, *Ophisternon bengalensis* McClelland).

*Tetrabranchus* Bleeker, *Nat. Tij. Ned. Ind.*, **2**: 69, 1851 (Type, *T. microphthalma* Bleeker).

*Pluto* Hubbs, *Carnegie Inst. Wasington Publ.*, No. 491: 261-295, 1938 (Type, *P. infernalis* Hubbs).

*Furmastix* Whitely, *West. Aust. Fish. Dept. Fish. Bull.*, No.2: 9, 1948 (Replacement name for *Pluto*, preoccupied in Insecta, Hymenoptera).

*Anomatophasma* Mees, *J. Roy. Soc. West. Aust.*, **45**: 9, 1962 (Type, *A. candidum* Mees).

414. *Ophisternon bengalense* McClelland

*Ophisternon bengalensis* McClelland, *Calcutta. J. Nat. Hist.*, **5**(18): 197, 220, Pl. 11, fig. 1 and 2, 1845 (Type-locality : Hooghly river, Bengal). Kaup, *Apod.*, 121, fig. 76, 1856. Bleeker, *Act. Soc. Sc. Indo-Neerl.*, **6**: 179, 1859. Rosen and Greenwood, *Bull. American Mus. Nat. Hist.*, **157**(1): 51, 1976 (Indo-Malayan region and Philippine Island). Jayaram, *HBFW Fish. India*, p. 311, 1981 (Indo-Malayan region and Philippines). Talwar and Jhingran, *Inland Fish.*, **2**: 780, 1991 (Indo-Malayan region and Philippines).

*Ophisternon hepaticus* McClelland, *Calcutta J. Nat. Hist.*, **5**(18): 198, 1845 (Burma).

*Tetrabranchus microphthalma* Bleeker, *Nat. Tij. Ned. Ind.*, **2**: 69, 1851 (Borneo).

*Synbranchus bengalensis* Bleeker, *Atl. Ichth.*, 4: 119, pl. 192, fig. 1, 1864. Weber and Beaufort, *Fish. Indo-Aust., Arch.*, 3: 416, fig. 213, 1916 (Siam). Hora, *J. Siam. Soc. Nat. Hist. Suppl.*, 6: 174, 1928 (Bangkok). Nair, *Proc. Indian Acad. Sci.*, 34B(6): 317, 1952. Munro, *Marine and F. Water Fish. Ceylon*, p. 102, 1955. Misra, *Rec. Indian Mus.*, 57: 220, 1959.

*Symbranchus bengalensis*, Day, *Fish. Malabar*, p. 251, 1865. Gunther, *Cat. Fish. Brit. Mus.*, 8: 16, 1870. Day, *Fish. India*, p. 657, Pl. 167, fig. 2, 1878 (Coast of India, Malaya, Philippines). Day, *Faun. Brit. Ind. Fish.*, 1: 71, 1889 (India, Malaya, Philippines).

*Ophisternon bengalense*, Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 205, 1991 (Coastal swamps).

**Distribution :** India. Sri Lanka. Indo-Malyan region and Philippine Island.

**Habitat :** Estuaries and freshwaters within the influence of tides along the coast.

**Size :** 100.0 cm TL.

Order X	: PERCIFORMES
Suborder	: PERCOIDEI
Family 24	: CENTROPOMIDAE (Chandidae)
Genus 106	<i>Chanda</i> Hamilton

*Chanda* Hamilton, *Fish. Ganges*, p. 103, 270, 1822 (Type, *Chanda nama* Hamilton). Talwar, *Bull. Zool. Nomencl.*, 23(3/4): 140, 1972 (*Chanda nama* Hamilton proposed type instead of *Chanda nalua* Hamilton, which is a species of *Ambassis*).

#### 415. *Chanda nama* Hamilton

*Chanda nama* Hamilton, *Fish Ganges*, pp. 109, 371, Pl. 39, fig. 37, 1822 (Type-locality : N.E.Bengal).

*Chanda phula* Hamilton, *Fish. Ganges*, p. 111, 1822 (Type-locality N. E. Bengal). Hora, *Mem. Indian Mus.*, 9: 20, fig. 1, 1929.

*Chanda bogoda* Hamilton, *Fish. Ganges*, pp. 111, 371, 1822 (Type-locality : N.E. Bengal). Hora, *Mem. Indian Mus.*, 9: 2, fig. 3. (From Hamilton's Ms Drawings), 1929.

*Ambassis nama*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 2: 185, 1828. Day, *Fish. India*, p. 50, Pl. 4, fig. 5, 1878 (Throughout India). Day, *Faun. Brit. Ind. Fish.*, 1: 484, fig. 149, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 110, fig. 114, 1937 (N. Bengal). Hora and Misra, *J. Bombay Nat. Hist. Soc.*, 40: 23, 1938 (Deolali, Maharashtra). Hora, *Rec. Indian Mus.*, 44(2): 198, 1942 (Nilgiri,

Wynaad, Coorg). Job, David and Motwani, *J. Asiat. Soc. Beng.*, **18**(2): 171, 1952 (Damodar River). Job, David and Das, *Indian J. Fish.*, **2**(1): 36, 1955 (Hirakud Dam, Orissa). Sehgal, *J. Bombay nat. Hist. Soc.*, **53**(1): 72, 1955 (Tezpur, Assam). Kalawar and Kelkar, *J. Bombay nat. Hist. Soc.*, **53**(1): 67, 1955 (Kolhapur, Maharashtra). Motwani and David, *J. Zool. Soc. India*, **9**(1): 12, 1957 (River Sone, M.P. and South Bihar). Misra, *Rec. Indian Mus.*, **57**: 223, 1959 (E. Punjab, U.P. Bihar, Darjeeling, W.Bengal, Orissa, M.P. Deolali, Pakistan and Burma). Menon, *J. Zool. Soc. India*, **14**(1): 30, 1962 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali and Indus drainages). David, *Proc. nat. Acad. Sci. India*, **33**(2): 284, 1963 (Godavary and Krishna).

*Ambassis oblonga* Cuvier (in C & V), *Hist. Nat. Poiss.*, **2**: 185, 1828.

*Ambassis indica* McClelland, *Calcutta J. Nat. Hist.*, **2**: 585, 1842 (Type-locality: Ludhiana).

*Bogoda nama*, Bleeker, *Verh. Bat. Gen.*, **25**: 89, 1853.

*Ambassis baculis*, Hora and Misra (*nec* Hamilton), *J. Bombay nat. Hist. Soc.*, **40**: 36, 1938 (Deolali, Maharashtra).

*Chanda nama*, De Witt, *Stanford Ichth. Bull.*, **7**(4): 84, 1960 (Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1 93, 1974 (India, Nepal, Pakistan, Bangladesh and Burma). Jayaram, *HBFW Fish. India*, p. 318, 1981 (Throughout India, Pakistan, Punjab, Sind, Nepal, Bangladesh, Burma, Thailand and Malaya). Sen, *Rec. Zool. Surv. India Occ. Pap.*, No.64: 187, 1985 (India, Nepal, Bangladesh and Burma). Talwar and Jhingran, *Inland Fish.*, **2**: 799, 1991 (Pakistan, India, Nepal, Bangladesh and Burma). Menon, *Indigenous Larvivorous Fish. India*, p. 23, 1991 (India, Bangladesh, Burma).

*Distribution* : Throughout India. Pakistan, Bangladesh. Nepal and Burma.

*Habitat* : Fresh and brackish waters, both in standing and running waters.

*Size* : 11.0 cm TL.

#### Genus 107 : *Pseudambassis* Bleeker

*Pseudambassis* Bleeker, *Arch. Neerl. Sci. Nat.*, **11**(2): 296, 1876 (Type, *Chanda lala* Hamilton).

#### 416. *Pseudambassis baculis* (Hamilton)

*Chanda baculis* Hamilton, *Fish. Ganges*. pp. 112, 371, 1822 (Type-locality: N.E. Bengal). Hora, *Mem. Indian Mus.*, **9**:120, fig. 7 (From Hamilton's MS. drawings), 1929.

*Ambassis baculis* Cuvier (in C & V), *Hist. Nat. Poiss.*, 2: 187, 1828. Day, *Fish. India*, p. 51, fig. 1, 1875 (Orissa, Bengal, Punjab, Burma, Pakistan). Day, *Faun. Brit. Ind. Fish.*, 1: 485, 1889 (Orissa, Bengal upto Punjab, Burma, Pakistan (Lahore). Job, David and Motwani, *J. Asiat. Soc.*, 18(2): 171, 1952 (Damodar River, Lower Valley). Job, David and Das, *Indian J. Fish.*, 2(1): 36, 1955 (Hirakud Dam, Orissa). Misra, *Rec. Indian Mus.*, 57: 223, 1959 (Punjab, U.P. Bihar, Kalimpong Duars, Orissa). Menon, *J. Zool. Soc. India*, 14(1): 30, 1962 (Bagmati, Gandak and Indus drainages). David, *Proc. nat. Acad. Sci. India*, 33B(2): 284, 1963 (Godavary excluded). Datta and Majumdar, *Rec. Zool. Surv. India*, 62(1 & 2) 97, 1970 (Lakes in Jaipur and Udaipur Dist., Rajasthan).

*Chanda baculis*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 94, 1974 (Northern India, Pakistan, Burma and Thailand). Jayaram, *HBFW Fish. India*, p. 318, 1981 (Orissa, W.Bengal, U.P., Bihar to Punjab, Pakistan, Sind, Bangladesh, Burma and Thailand).

*Pseudambassis baculis*, Talwar and Jhingran, *Inland Fish.*, 2: 803, 1991 (Himalayas and Indo-gangetic plain).

*Distribution* : Northern India. Pakistan. Bangladesh. Burma. Thailand.

*Habitat* : Fresh water ponds, ditches, pools and rivers.

*Size* : 6.3 cm TL.

#### 417. *Pseudambassis ranga* (Hamilton)

*Chanda ranga* Hamilton, *Fish. Ganges*, pp. 113, 371, Pl. 6, fig. 38, 1822, (Type-locality, Gangetic provinces). De Witt, *Stanford Ichth. Bull.*, 7(4): 84, 1960 (Nepal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 94, 1974 (India, Pakistan, Bangladesh, Burma, Thailand). Jayaram, *HBFW Fish. India*, p. 318, 1981 (India, Pakistan). Sen *Rec. Zool. Surv. India Occ. Pap.*, No. 64: 188, 1985 (Throughout India).

*Chanda lala* Hamilton, *Fish. Ganges*, pp. 114, 371, Pl. 29, fig. 39, 1822 (Gangetic Provinces).

*Ambassis ranga*, Cuvier, (in C & V), *Hist. Nat. Poiss.*, 2: 183, 1828. Day, *Fish. India*, p. 51, Pl. 14, fig. 6, 1875 (Throughout India and Burma). Day, *Faun. Brit. Ind. Fish.*, 1: 485, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 111, fig. 115, 1937 (Bengal). Menon, *Rec. Indian Mus.*, 52: 22, 1954 (Manipur). Hora and Misra, *J. Bombay nat. Hist. Soc.*, 40: 23, 1938 (Deolali, Maharashtra). Fraser, *J. Bombay nat. Hist. Soc.*, 43(1): 83, 84, 87, 88, 89, 1942 (Poona). Hora, *Rec. Indian Mus.*, 44(2): 198, 1942 (Wynaad and Coorg). Hora and Misra, *J. Bombay Nat. Hist. Soc.*, 43(2): 223, 1942 (Poona). Job, David and Motwani, *J. Asiat. Soc.*, 18(2): 121 (Damodar River). Job, David and Das,

*Indian J. Fish.*, 2(1): 36, 1955 (Hirakud Dam, Orissa). Seghal, *J. Bombay Nat. Hist. Soc.*, 53(1): 722, 1955 (Tezpur, Assam). Kalawar and Kelkar, *J. Bombay. nat. Hist. Soc.*, 53(1): 674, 1955 (Kolhapur, Maharashtra). Misra, *Rec. Indian Mus.*, 57: 224, 1959 (Throughout the fresh waters of India and Pakistan, Burma, Malaya and Siam). Datta and Majumdar, *Rec. Zool. Surv. India*, 62(1 & 2): 97, 1970 (Rajasthan).

*Ambassis lala*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 2: 184, 1828. McClelland, *Calcutta J. Nat. Hist.*, 5: 150, Pl. 4, fig. 1, 1845.

*Ambassis alta* Cuvier (in C & V), *Hist. Nat. Poiss.*, 2: 183, 1828.

*Ambassis barlovi* Sykes, *Trans. Zool. Soc. Lond.*, 2: 350, Pl. 60, fig. 1, 1841 (River Beema, South India).

*Pseudambassis lala*, Talwar and Jhingran, *Inland Fish.*, 2: 804, 1991 (West Bengal and Orissa).

*Pseudambassis ranga*, Talwar and Jhingran, *Inland Fish.*, 2: 805, 1991 (Pakistan. India. Bangladesh. Burma and Thailand).

*Distribution* : Pakistan, India, Bangladesh, Burma, Malaysia, Thailand.

*Habitat* : Fresh and brackish waters.

*Size* : 7.0 cm TL., usually 5 cm.

#### Genus 108 : *Parambassis* Bleeker

*Parambassis* Bleeker, *Natur. Verh. Holland. Maatsch. Wetensch Haarlem.* 2(2): 86, 102, 1874 (Type, *Ambassis apogonoides* Bleeker).

#### 418. *Parambassis dayi* (Bleeker)

*Ambassis malabaricus* Jerdon, *Madras J. Lit. Sci.*, 15: 140, 1849 (Type-locality: Malabar).

*Ambassis nalua* (*nec* Hamilton), Day, *Fish. Malabar*, p. 15, 1865 (Malabar).

*Ambassis dayi* Bleeker, *Natur. Verh. Holland. Maatsch. Wetensch. Haarlem*, 2(2): 95, 1874 (Malabar). Day, *Fish. India*, p. 54, Pl. 15, fig. 7, 1875 (Malabar Coast). Day, *Faun. Brit. Ind. Fish.*, 1: 487, 1889. Hora and Law *Rec. Indian Mus.*, 43: 238, 1941 (Freshwater of Malabar and Travancore).

*Parambassis dayi*, Talwar and Jhingran, *Inland Fish.*, 2: 801, 1991 (Western coasts of Kerala).

*Distribution* : India Kerala West Coast.

**Habitat** : Freshwaters and estuarine lakes.

**Size** : 17.5 cm TL.

419. *Parambassis thomassi* (Day)

*Ambassis thomassi* Day, *Proc. Zool. Zoc. Lond.*, p. 369, 1870 (Type-locality : Coast of Canara). Day, *Fish. India*, p. 52, Pl. 15, fig. 2, 1878 (The coast of Canara as low as Cochin). Day, *Faun. Brit. Ind. Fish.*, 1: 486, 1889. Silas, *J. Bombay nat. Hist. Soc.*, 48(4): 795, 1949 (Alleppey canals, Kerala). Misra, *Rec. Indian Mus.*, 57: 224, 1959 (Coast of Travancore-Cochin, Bombay coast, Sind, Pakistan, Malaya, Siam (Thailand)).

*Chanda thomassi*, Tilak, *Rec. Zool. Surv. India*, 67: 90, 1972 (Goa). Jayaram, *HBFW Fish. India*, p. 318, 1981 (Cochin, Kerala).

*Parambassis thomassi*, Talwar and Jhingran, *Inland Fish.*, 2: 802, 1991 (Western coasts of Kerala and Karnataka).

**Distribution** : India : Western coast of India from S. Canara to Kerala.

**Habitat** : Coastal waters, entering inland even to elevated localities.

**Size** : 16.5 cm TL.

Family 25 : NANDIDAE

Subfamily : NANDINAE

Genus 109 : *Nandus* Valenciennes

*Nandus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 7: 481, 1831 (Type, *Nandus marmoratus* Valenciennes = *Coius nandus* Hamilton).

420. *Nandus nandus* (Hamilton)

*Coius nandus* Hamilton, *Fish. Ganges*, pp. 96, 370, Pl. 30, fig. 32, 1822 (Type-locality: Gangetic provinces). McClelland, *Calcutta J. nat. Hist.*, 2: 574, 1842.

*Nandus marmoratus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 7: 482, Pl. 207, 1831 (Bengal). Day, *Fish. India*, p. 129, Pl. 32, fig. 1, 1878 (India and Burma. Common in ditches and inundated fields). Day, *Faun. Brit. Ind. Fish.*, 2: 82, fig. 39; 1889.

*Bengula hamiltonii* Gray, *Ill. Ind. Zool.*, 2: Pl. 88, fig. 3 (from Hamilton's Ms. drawings) 1834.

*Nandus nandus*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 115, fig. 120, 1937 (N. Bengal). Hora and Nair, *Rec. Indian Mus.*, 43: 369, 1941 (Satpura range, Hoshingabad Dist. Madhya Pradesh). Job, David and Motwani, *J. Asiat. Soc.*

*Beng.*, 18(2): 171, 1952 (Damodar River, lower Valley). Job, David and Das, *Indian J. Fish.*, 2(1): 36, 1955 (Hirakud Dam, Orissa). Sehgal, *J. Bombay nat. Hist. Soc.*, 53(1): 722, 1955 (Mangaladi and Tezpur). De Witt, *Stanford Ichth. Bull.*, 7(4): 85, 1960 (Nepal). Menon, *J. Zool. Soc. India.*, 15(1): 31, 1962 (Brahmaputra, Kosi, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganga, Jamuna and Indus drainages). David, *Proc. nat. Acad. Sci. India*, 32B(2): 284, 1963 (Godavary). Menon, *Inl. Fish. Soc. India Spl. Publ.*, No.1: 95, 1974 (India, Nepal, Pakistan, Bangladesh, Thailand, Burma, Malaya). Jayaram, *HBFW Fish. India*, p. 336, 1981 (Throughout India). Shrestha, *Fish. Nepal*, p. 256, 1981 (Nepal). Talwar and Jhingran, *Inland Fish.*, 2: 878, 1991 (Pakistan, India, Nepal, Bangladesh, Burma and Thailand).

*Distribution* : Throughout India. Pakistan : Indus Plain. Nepal. Bangladesh. Thailand.

*Habitat* : Fresh and brackish waters.

*Size* : 20.0 cm TL.

Subfamily : PRISTOLEPINAE  
Genus 110 : *Pristolepis* Jerdon

*Pristolepis* Jerdon, *Madras J. Lit. Sci.*, 15: 141, 1848 (Type, *Pristolepis marginatus* Jerdon).

*Paranandus* Day, *Fish. Malabar*, P. 130, 1865 (Type, *Catopra malabarica* Gunther).

#### 421. *Pristolepis fasciatus* (Bleeker)

*Catopra fasciata* Bleeker, *Nat. Tij. Ned. Ind.*, 2: 65, 1851 (Type-locality: Bandjermassing, Borneo in rivers). Gunther, *Cat. Fish. Brit. Mus.*, 3: 368, 1861 (Rivers of Borneo, Sumatra and Banka).

*Catopra nandoides* Bleeker, *Nat. Tij. Ned. Ind.*, 2: 61 and 172, 1851. Gunther, *Cat. Fish. Brit. Mus.*, 3: 363, 1861 (Rivers of Java and Sumatra). Day, *Proc. Zool. Soc.*, p. 615, 1869.

*Catopra siamensis* Gunther, *Proc. Zool. Soc. Lond.*, p. 191, Pl. 26, fig. A, 1862.

*Pristolepis fasciatus*, Day, *Fish. India*, p. 131, Pl. 32, fig.3, 1875 (Freshwaters of Burma, Siam and the Malay Archipelago). Day, *Faun. Brit. Ind. Fish.*, 2: 85, 1889. Pillay, *J. Bombay nat. Hist. Soc.*, 33(2): 364, 1929 (Alleppy). John, *J. Bombay nat. Hist. Soc.*, 38(4): 714, 1936 (Vembanad lake). Hora and Law, *Rec. Indian Mus.*, 43: 239, 1941 (Travancore). Misra, *Rec. Indian Mus.*, 57: 285, 1959 (Travancore, Cochin, Burma, Malaya, Malay Archipelago, Siam, Cochin-China). Jayaram, *HBFW Fish. India*, p. 337, 1981 (Burma, Thailand, Malay Archipelago). Talwar and Jhingran, *Inland Fish.*, 2: 880, 1991 (Burma, Thailand, Malay Peninsula, Sumatra, Boreneo and Java).

**Distribution** : India : Kerala (Vembanad lake). Burma. Thailand. Malay Peninsula. Sumatra. Borneo and Java. (Its occurrence in the Kerala needs further confirmation).

**Habitat** : Rivers, lakes, ponds and swamps.

**Size** : 20.0 cm TL.

#### 422. *Pristolepis marginatus* Jerdon

*Pristolepis marginatus* Jerdon, *Madras J. Lit. Sci.*, **15** : 141, 1848 (Type-locality Manantoddy river). Jerdon, *Ann. Mag. nat. Hist.*, **16**: 298, 1865. Day, *Fish. Malabar*, p. 131, 1865. Day, *Fish. India*, p. 13, 1878 (Manantoddy river, Kerala).

*Catopra tetracanthus* Gunther, *Proc. Zool. Soc., Lond.*, p. 192, Pl. 26, Fig. B, 1862.

*Catopra malabarica* Gunther, *Ann. Mag. nat. Hist.*, p. 375, 1864 (Type-locality hill regions of Travancore, Kerala). Day *Proc. Zool. Soc. Lond.*, p. 30. 1865.

*Nandus malabaricus*, Day, *Fish. Malabar*, p. 130, Pl. 8, 1865.

*Pristolepis malabaricus*, Day, *Fish. India*, p. 131, Pl. 32, fig. 2, 1878 (Western Ghats of India). Day, *Faun. Brit. Ind. Fish.*, **2** : 84, 1889. Pillay, J. *Bombay nat. Hist. Soc.*, **33** : 364, 1929. Jayaram, *HBFW Fish India*, p. 337, 1981 (W Ghats, India).

*Pristolepis marginata*, Day, *Faun. Brit. Ind. Fish.*, **2** : 84, 1889. Jayaram, *HBFW Fish. India*, p. 337, 1981 (Manantoddy river, Kerala). Talwar and Jhingran ( in part), *Inland Fish*, **2** : 881, 1991 (Western Ghats of Kerala).

*Pristolepis marginatus marginatus*, Silas, *Proc. nat. Sci. India*, **18B(5)** : 429, 435, 1952 (Wynaad hills).

**Distribution** : Peninsular India : Western Ghats of Kerala.

**Habitat** : Clear, rapid streams.

**Size** : 15.0 cm TL.

Subfamily : BADINAE

Genus 111 *Badis* Bleeker

*Badis* Bleeker *Verh. Bat. Gen.*, **25**, 106, 1853 (Type, *Labrus badis* Hamilton = *Badis bucharani* Bleeker).

#### 423. *Badis badis* (Hamilton)

*Labrus badis* Hamilton, *Fish. Ganges*, pp. 70-72, 368, Pl. 25, fig. 23, 1882 (Type-

locality : Ponds and ditches throughout Gangetic provinces).

*Labrus dario* Hamilton, *Fish. Ganges*, pp. 72, 368, 1822 (Northern Bengal and Bihar). Gunther, *Cat. Fish. Brit. Mus.*, 3 : 367, 1861. Day, *Fish. India.*, p. 129, 1875. Day, *Faun. Brit. Ind. Fish.*, 2 : 82, 1889. Prashad and Mukherji, *Rec. Indian Mus.*, 31(3) 24, Pl. 7, fig. 6, 7 and 7a, 1929.

*Badis buchanani* Bleeker, *Verh. Bat. Gen.*, 25 : Pl. 2, fig. 3, 1853 (Bengal). Gunther, *Cat. Fish. Brit. Mus.*, 3 : 367, 1861 (Ganges and its tributaries). Day, *Fish. India*, p. 128, Pl. 31, fig. 6, 1875 (India, Burma). Beaven, *HBFW Fish. India*, p. 206, 1877 (India except Madras). Day, *Faun. Brit. Ind. Fish.*, 2 : 80, fig. 38, 1889.

*Badis badis*, Mukerji, *J. Bombay nat. Hist. Soc.*, 36(4) : 812, 813, 1933. (Mali-Hka river, Myitkiyna Dist., Upper Burma). Mukherji, *J. Bombay nat. Hist. Soc.*, 37(1-2) : 38, 80 (tributary streams of Mali Hka river, Myitkiyna Dist., Upper Burma). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3 : 137, 1937 (Terai and Duars, Northern Bengal). Hora and Gupta, *J. Asiat. Soc. Beng.*, 6 : 80, 1941 (Kalimpong Duars and Siliguri Terai, Northern Bengal). De Witt, *Stanford Ichth. Bull.*, 7 (4) 84, 1960 (Nepal). Menon, *J. Zool. Soc. India*, 14(1) : 31, 1963 (Brahmaputra, Bagmati, Rapti, Kamali and Kali drainages). Lal and Chatterjee, *J. Zool. Soc. India*, 14(2) : 242, 1963 (Dulhani river, Eastern doon). Srivastava, *Fish. East U.P.*, p. 133, 1968 (River Rohini, Madhopur, Gorakhpur). Tilak, *Rec. Zool. Surv. India*, 65 (4) : 208, 1971 (Choe nulla near Jammu, J & K). Menon (in part) *Inland Fish Soc. India Spl. Publ.*, No. 1, 1974 (India, Nepal, Pakistan, Bangladesh, Burma). Yazdani, *J. Bombay nat. Hist. Soc.*, 74 (1) : 23, 1977 (Khasi Hills, Meghalaya). Pillay and Yazdani, *Rec. Zool. Surv. India*, 72 : 19, 1977 (Garo hills). Jayaram, *HBFW Fish. India*, p. 335 1981 (Pakistan, Nepal, Bangladesh, Burma). Talwar and Jhingran, *Inland Fish. 2* : 882, 1991 (Pakistan, India, Nepal, Bangladesh, Burma).

*Badis badis assamensis* Ahl, *Zool. Anz.*, 117 : 118, 1936.

*Distribution* : India : Yamuna, Ganges and Brahmaputra river systems. Pakistan. Bangladesh. Nepal. Burma.

*Habitat* : Rivers, ponds and ditches.

*Size* : 8.0 cm TL.

Family 26 : CICHLIDAE\*

Genus 112 : *Etroplus* Cuvier

*Etroplus* Cuvier, *Hist. nat. Poiss.*, 5 : 486, 1830 (Type, *Etroplus meleagris* Cuvier = *Chaetodon suratensis* Bloch).

*Sarotherodon mossambicus* (peters) introduced into India in 1952 and presently cultured in fresh water ponds, is not taken into consideration here. Likewise *S. niloticus* (Linnacus) or a hybrid has also been introduced in Madras for culture purpose, but it has not so far spread to inland waters in India.

#### 424. *Etroplus canarensis* Day

*Etroplus canarensis* Day, *Fish. India*, p. 414, pl. 89, fig. 5, 1877 (Type-locality : South Canara). Day, *Faun. Brit. Ind. Fish.*, 2 : 429, 1889. Misra, *Rec. Indian Mus.*, 57 : 287, 1959. Jayaram, *HBFW Fish. India*, p. 339, 1981 (South Canara). Talwar and Jhingran, *Inland Fish.*, 2 : 884, 1991 (South Karnataka). Menon, Rema Devi and Burgess, *Tropical Fish. Hobbyist* : 146-149, 1992 (South Canara),

**Distribution** : Peninsular India : South Canara.

**Habitat** : Exclusively in fresh waters.

**Size** : 9.6 cm TL.

**Status** : Endangered.

#### 425. *Etroplus maculatus* (Bloch)

*Chaetodon maculatus* Bloch, *Syst. Ichth.*, Pl. 427, fig. 2, 1785 (Type-locality not given). Schneider, *Syst. Ichth.* 228, 1801.

*Glyphisodon kakaitzel* Lacepede *Hist. Nat. Poiss.*, 4 : 235, 1803.

*Etroplus maculatus*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 5 : 489, 1828. Bleeker, *Verh. Bat. Gen.*, 25 : 52, 1858. Gunther, *Cat. Fish Brit. Mus.*, 4 : 266, 1862 (Coast of Malabar). Kner, *Novara Fische*, p.263, 1865. Day, *Fish. Malabar*, p. 162, 1865 (Coast of Malabar). Day, *Fish. India*, p.415, Pl. 89, fig. 4, 1878 (Fresh water along the coast of Madras from South Canara along Malabar; also found in Ceylon). Day, *Faun. Brit. Ind. Fish.*, 1 : 429, fig. 150, 1889. Munro, *Marine and Freshwater Fish. Ceylon*, p.177, 1955 (Ceylon). Misra, *Rec. Indian Mus.*, 57 : 288, fig. 173, 1959 (Fresh and Brackish water along the coasts of Madras, S. Canara, Malabar, Travancore-Cochin, Ceylon). Tilak, *Rec. Zool. Surv. India*, 67 : 111, 1972 (Valus River, Valpoi, Goa). Jayaram, *HBFW Fish. India*, p.339, 1981 (Tamil Nadu, Kerala, S. Canara, Sri Lanka). Talwar and Jhingran, *Inland Fish.*, 2 : 885, 1991 (Tamil Nadu, Kerala, South Canara and Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 232, 1991 (Throughout Sri Lanka).

*Etroplus corutchi* Cuvier (in C & V), *Hist. Nat. Poiss.*, 5 : 491, 1828.

*Glyphisodon koruschi* Cuvier (in C & V), *Hist. Nat. Poiss.*, p. 5, Pl. 136, 1828. Jerdon, *Madras J. Lit. Sci.*, 15 : 42, 1848. Bleeker, *Verh. Bat. Gen.*, 25 : 52, 1853.

*Distributin* : Peninsular India and Sri Lanka.

*Habitat* Coastal freshwater, common in paddy fields, tanks and occasionally in back waters within the tidal influence.

*Size* 7.5 cm TL.

426. *Etroplus suratensis* (Bloch)

*Chaetodon suratensis* Bloch, *Syst. Ichth.*, Pl. 217, 1785 (Type-locality : Surat, Gujarat). Lacepede, *Hist. Nat. Poiss*, 461, 1801.

*Chaetodon caris* Hamilton, *Fish. Ganges*, pp. 125, 372, 1822.

*Etroplus meleagris* Cuvier, *Hist. Nat. Poiss.*, 5 : 486, 1828. Bleeker. *Verh. Bat. Gen.* 25 : 52, 1853.

*Etroplus maculatus* (nec Bloch) Jerdon, *Madras J. Lit. Sci.* 15 : 142, 1849.

*Etroplus suratensis*, Gunther, *Cat. Fish. Brit. Mus.*, 4 : 266, 1862 (Coromandal and Malabar coast). Kerr, *Novara Fische*, 264, 1865. Day, *ic Islands*.

Hap. 161, 1865 (Coromondal and Malabar Coasts). Day, *Fish. India*, p.415, Pl. 189, fig. 6, 1878 (Fresh and brackish waters of Ceylon and India, as far as Orissa). Day, *Faun. Brit. Ind. Fish.*, 2 : 430, 1889. Hora, *Rec. Indian Mus.*, 44(2) : 198, 1942 (Nilgiri, Wynaad and Coorg). Munro, *Mar. F. Water Fish. Ceylon*, p.179, 1955 (Ceylon). Misra, *Rec. Indian Mus.*, 57 : 288, fig. 174, 1959 (Fresh and Brackish waters of Orissa, Madras, Malabar, Travancore-Cochin, Ceylon). Tilak, *Rec. Zool. Surv. India*, 67 : 110, 1972 (Zuari river, near Borim bridge, Goa). Jayaram, *HBFW Fish. India*, p. 339, 1981 (Kerala, Tamil Nadu, Andhra Pradesh, Orissa States, Ceylon). John and Vickram, *J. Bombay nat. Hist. Soc.*, 84(3) : 529, 1987 (Servalar, Thambraparani, Papanasam Upper and Lower Dams). Talwar and Jhingran, *Inland Fish.*, 2 : 885, 1991 (Orissa, Andhra Pradesh, Tamil Nadu, Kerala and Sri Lanka). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p.234, 1991 (Throughout Sri Lanka).

*Distribution* : Peninsular India. Sri Lanka.

*Habitat* : Lagoons and estuaries.

*Size* : 40.0 cm TL., usually 20.0 cm.

Suborder : MUGILOIDEI

Family 27 MUGILIDAE

Genus 113 *Rhinomugil* Gill

*Rhinomugil* Gill, *Proc. Acad. nat. Sci. Philad.*, 15 : 169, 1863 (Type, *Mugil corsula* Hamilton).

427. *Rhinomugil corsula* (Hamilton)

*Mugil corsula* Hamilton, *Fish. Ganges*, pp. 221, 381, Pl. 9 fig. 97, 1822 (Type-locality : Gangetic provinces). Valenciennes, *Hist. Nat. Poiss.*, p. 11, 1836. Bleeker, *Verh. Bat. Gen.*, 25 : 101, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 3 : 460, 1861. Day, *Fish. India*, p.354, Pl. 71, fig. 6, 1877 (Bengal and Burma). Day, *Faun. Brit. Ind. Fish* 2 : 349, 1889.

*Rhinomugil corsula*, De Witt, *Stanford Ichth. Bull.*, 7(4) : 84, 1960 (Nepal). Pillay, *J. Bombay nat. Hist. Soc.*, 59(2) : 1962. Srivastava, *Fish. East. U.P.*, p. 113, 1968 (U.P. Bihar, Bengal, Bangladesh and Burma). Menon and Jayaram, *Sci. and Cult.*, 43 (7) : 302, 1977. Jayaram *et al.*, *Rec. Zool. Surv. India Occ. Pap.*, No.36, 101, 1982 (Cauvery). Talwar and Jhingran, *Inland Fish.*, 2 : 897, 1991 (India, Bangladesh, Burma and Nepal).

*Distribution* : India : Uttar Pradesh, Bihar, West Bengal, Orissa, Tamil Nadu. Nepal, Bangladesh and Burma.

*Habitat* : Rivers and estuaries, found above tidal influence in freshwater. Inadvertently introduced in Peninsular river systems.

*Size* : 45.0 cm TL.

Genus 114 : *Sicamugil* Fowler

*Sicamugil* Fowler, *Notul. Nat. Acad. Philad.*, 17 : 9, 1936 (Type, *Mugil hamiltoni* Day).

428. *Sicamugil cascasia* (Hamilton)

*Mugil cascasia* Hamilton, *Fish. Ganges*, pp. 217, 380, 1822 (Type-locality : Upper waters of Ganges). Valenciennes (in C & V), *Hist. Nat. Poiss.*, 11: 145, 1836. Day, *Fish. India*, p. 355, Pl. 75, fig. 6, 1878 (Ganges, Jamuna and Brahmaputra). Hora, *Mem. Indian Mus.*, 9: Pl. 23, fig. 3, 1929.

*Liza cascasia*, Munro, *Mar. Freshwater Fish. Ceylon*, p. 93, 1955 (Ceylon).

*Sicamugil cascasia*, Pillay, *J. Bombay nat. Hist. Soc.*, 59(1): 548, 1962. Srivastava, *Fish. East. U.P.* p. 115, 1968 (North India and Pakistan). Menon, *Inl. Fish. Soc. India Spl. Publ.*, No. 1, 95, 1974 (Upper reaches of Ganga, Yamuna, Brahmaputra, Bangladesh).

*Distribution* : India Upper reaches of Ganga, Yamuna, Brahmaputra. Pakistan Indus system. Bangladesh.

*Habitat* : Freshwater rivers in the upper reaches.

*Size* : 10.0 cm TL.

Suborder : GOBIOIDEI

Family 28 : GOBIIDAE

Genus 115 : *Glossogobius* Gill

*Glossogobius* Gill, *Proc. Acad. nat. Sci. Philad.*, p. 146, 1859 (Type, *Glossogobius platycephalus* Richardson).

429. *Glossogobius giuris* (Hamilton)

*Gobius giuris* Hamilton, *Fish. Ganges*, pp. 51, 366, Pl. 33, fig. 15, 1822 (Type-locality : Gangetic provinces). Day, *Fish. India*, p. 294, Pl. 66, fig. 1., 1876. (East Coast of Africa, India, Ceylon, Burma, Sind, Malay Archipelago and Beyond). Day, *Faun. Brit. Ind. Fish.*, 2: 265, 1889. Hora, *Mem. Indian Mus.*, 9: Pl. 14, fig. 7, 1929. Hora, *Rec. Indian Mus.*, 36: 484, 486, 1934.

*Gobius gutum* Hamilton, *Fish. Ganges*, pp. 50, 366, 1822 (Lower parts of Padma River). Hora, *Mem. Indian Mus.*, 9: Pl. 14, fig. 2, 1929. Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 96, 1974.

*Gobius kokius* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 12: 68, 1837.

*Gobius celebius* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 12: 74, 1837.

*Gobius russelli* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 12: 75, 1837.

*Gobius catebus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 12: 87, 1837.

*Gobius kora* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 12: 77, 1837.

*Gobius kurpah* Sykes, *Ann. Mag. nat. Hist.*, 4: 55, 1840.

*Gobius phiopsilosoma* Bleeker, *Verh. Bat. Gen.*, 22: 30, 1849.

*Gobius subtilus* Cantor, *J. Asiat. Soc. Beng.*, 18: 163, 1850.

*Gobius unicolour* Gunther, *Cat. Fish. Brit. Mus.*, 3: 23, 1861.

*Gobius spectabilis* Gunther, *Cat. Fish. Brit. Mus.*, 3: 45, 1861.

*Glossogobius giuris*, Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 114, fig. 119, 1937 (N. Bengal). Menon, *Rec. Indian Mus.*, 47: 235, 1949 (R. Kosi, Nepal). De Witt, *Stanford Ichth. Bull.*, 7(4): 84, 1960 (Nepal). Koumans, *Mem. Indian Mus.*, 13: 28, 1941 (Revision). Munro, *Marine and F. water Fish Ceylon*, p. 339, 1955 (Ceylon). Talwar and Jhingran, *Inland Fish.*, p. 936, 1991. Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 245, 1991 (Common throughout the island).

*Glossogobius gutum*, (nec Hamilton), Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1, 96, 1974 (East Coast of Africa, Ceylon, India, Pakistan, Bangladesh, Andamans, Malay Peninsula and Far East).

*Glossogobius giuris giuris*, Jayaram, *HBFW Fish. India*, p. 358, 1981 (India, Pakistan, Nepal, Bangladesh, Burma and Far East).

**Distribution** : East Coast of Africa, Ceylon, India, Pakistan, Bangladesh, Andamans, Malay Peninsula, Thailand, China, Japan, Philippines, Australia, the Indo-Australian Archipelago and South Pacific Islands.

**Habitat** : All pieces of fresh water throughout the plains of India. Common in the estuaries and probably needs salt or brackish water to breed, though the land locked populations breed in freshwater.

**Size** : 30.0 cm TL., usually 15.0 cm.

#### Genus 116 : *Sicyopterus* Gill

*Sicyopterus* Gill, *Proc. Acad. Nat. Sci. Philad.*, p. 101, 1860 (Type, *Sicyopterus simpsoni* Gill).

#### 430. *Sicyopterus griseus* (Day)

*Sicydium griseum* Day, *Linn. Soc. Lond.*, 13: 140, 1878 (Type-locality South Canara and Travancore). Day, *Fish. India*, p. 747, 1878 (South Canara and Travancore). Day, *Faun. Brit. Ind. Fish.*, 2: 272, 1889 (South Canara and Travancore).

*Sicyopterus griseus*, Koumans, *Mem. Indian Mus.*, 13: 296, 1941 (South Canara and Travancore). Hora and Nair, *Rec. Indian Mus.*, 43: 388, fig. 1 (Travancore). Menon, *Proc. nat. Inst. Sci.*, 17(6): 487, 1951 (Nagavali river, Godavary drainage). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 251, 1991 (Rocky pools in the Sitawaha river).

**Distribution** : Peninsular India. Predominantly inhabits fresh water, migrating up to torrential streams.

**Habitat** : Common in the waters along the margins of streams where the flow is somewhat slower. Probably breeds in freshwater.

**Size** : 9.7 cm TL.

Suborder ANABANTOIDEI

Family 29 : ANABANTIDAE

Genus 117 *Anabas* Cuvier

*Anabas* Cuvier, *Regne Animal.*, 2, ed. 1 339, 1817 (Type, *Perca scandens* Daldorff).

431. *Anabas cobojius* (Hamilton)

*Coius cobojius* Hamilton, *Fish. Ganges*, pp. 98, 370, Pl. 13, fig. 33, 1882 (Type-locality Gangetic Provinces).

*Anabas scandens* (nec Daldorff), Day (in part), *Fish. India*, p. 370, 1876. Day (in part), *Faun. Brit., Ind. Fish.*, 2: 367, 1889.

*Anabas oligolepis* (nec Bleeker), Rao, *Proc. Indian Acad. Sci.*, 67(5): 210, fig. 1b, 1968 (Status discussed). Dutt and Ramaseshaiah, *Proc. Nat. Acad. Sci. India*, 49B(4): 317 - 326, 1989.

*Anabas cobojius*, Talwar and Jhingran, *Inland Fish.*, 2: 996, 1991 (West-Bengal, Orissa, Andhra Pradesh, Bangladesh. Borneo excluded).

*Distribution* : India: West Bengal, Orissa, Andhra Pradesh. Bangladesh.

*Habitat* : Freshwaters mostly in lakes, ponds, ditches and paddy fields.

*Size* : 30.0 cm TL.

432. *Anabas testudineus* Bloch

*Anabas testudineus* Bloch, *Nat. Aus. Fish.*, 7: 121, Pl. 322, 1795 (Type-locality : mentioned as 'Japan' but it doesn't occur in Japan). Gunther, *Cat. Fish. Brit. Mus.*, 3 : 375, 1861. Day, *Fish. India*, p. 370, Pl. 78, fig. 3, 1878 (Fresh and Brackish water of Ceylon, India, Burma, etc.). Day, *Faun. Brit. Ind. Fish.*, 2: 367, fig. 120, 1889 (Fresh and brackish waters of India, Ceylon, Burma, etc.). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 112, 1937 (Terai and Duars, N. Bengal). Menon, *Rec. Indian, Mus.*, 52: 22, 1954 (Manipur). Munro, *Mar. F. water Fish. Ceylon*, p. 226, 1955 (Ceylon). Misra, *Rec. Indian Mus.*, 57: 301, 1959 (Fresh and brackish water of India, Pakistan, Burma, Ceylon, Malaya, Siam, Indo-china, China, Philippines, Polynesia). Menon, *J. Zool. Soc. India*, 14(2): 31, 1962 (Brahmaputra, Bagmati, Gandak, Rapti, Karnali, Kali, Ramganga, Ganges, Jamuna, Indus Drainages). Jayaram and Majumdar, *J. Bombay nat. Hist. Soc.*, 61(2): 268, 1964 (Kameng Frontier Division). Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 98, 1974 (Ceylon, India, Nepal, Pakistan, Bangladesh, Burma, China, etc.). Jayaram, *HBFW Fish. India*, p. 379, 1981 (Throughout India and neighbouring countries). Sen, *Rec. Zool. Surv. India Occ. Pap.*, No. 64: 197, 1975 (India, Pakistan, Burma, Sri Lanka, Malaya, Thailand, Indonesia, China, Bangladesh, Philippines, Polynesia). Talwar and Jhingran, *Inland Fish.*, 2: 996, 1991 (Pakistan, India, Bangladesh, Sri Lanka, Burma and further East). Pethiyagaoda, *Freshwater Fish. Sri Lanka*, p. 258, 1991 (Throughout the island).

*Perca scandens* Daldorff, *Trans. Linn. Soc., Lond.*, 3: 62, 1797 (Tranquebar).

*Amphiprion testudineus*, Schneider, *Syst. Ichth.*, p. 204, 1801.

*Amphiprion scansor* Schneider, *Syst. Ichth.*, p. 204, 1801.

*Lutianus testudo* Lacepede, *Hist. Nat. Poiss.*, 4: 239, 1803.

*Lutianus scandens*, Lacepede, *Hist. Nat. Poiss.*, 4: 239, 1803.

*Sparus testudineus*, Shaw, *General Zool.*, 4: 475, 1803.

*Anabas spinosus* Gray, *Ill. Ind. Zool.*, 2: Pl. 89, fig. 1, 1934.

*Anabas testudineus lacustri* Das, *Ichthyologica*, 3(1-2): 93, 1964 (Balrampur, Uttar Pradesh).

*Anabas testudineus ricei* Das, *Ichthyologica*, 3(1-2): 93, 1964 (Balarampur, U.P.).

*Anabas testudineus riveri* Das, *Ichthyologica*, 3(1-2): 93, 1964 (Rapti river at Basti, U.P.).

**Distribution** : India, Pakistan, Bangladesh, Sri Lanka, Nepal, Burma, Thailand, Cambodia, South China, Indo-China. Malay and Malay-Archipelago.

**Habitat** : Freshwaters, mostly in canals, lakes, swamps, ponds and estuaries. Common in turbid stagnant waters.

**Size** : 20.0 cm TL., rarely 25.0 cm.

Family 30 : BELONTIIDAE

Genus 118 : *Polyacanthus* Cuvier

*Polyacanthus* Cuvier, *Hist. Nat. Poiss.*, 3: 227, 1829 (Type, *Trachopodus colisa* Hamilton, 1822; subsequent designation by Jordon, 1919, p. 173).

*Colisa* Cuvier, *Hist. Nat. Poiss.*, 1: 359, 1831 (Type, *Trachopodus colisa* Hamilton = *Trichopodus fasciatus* Schneider).

*Trichogaster* (*nec* Schneider) Regan, *Proc. Zool. Soc. Lond.*, pp. 585-787, 1909 (Review).

#### 433. *Polyacanthus fasciatus* (Bloch and Schneider)

*Trichogaster fasciatus* Bloch and Schneider, *Syst. Ichth.*, p. 164, Pl. 36, 1801 (Type-locality: Tranquebar). Day, *Fish, India*, p. 374, Pl. 78, fig. 6, 1877 (Coromandel Coast as far south as River Krishna, Estuaries of Ganges, Cachar and Assam, Punjab, N.W Provinces, Sind and Burma). Day, *Faun. Brit. Ind. Fish.*, 2: 37, 1889.

*Trichopodus colisa* Hamilton, *Fish. Ganges*, pp. 117, 372, Pl. 15, fig. 40, 1832 (Gangetic province).

*Trichopodus bejeus* Hamilton, *Fish. Ganges*, pp. 118, 372, 1822 (Gangetic province).

*Trichopodus cotra* Hamilton, *Fish. Ganges*, pp. 119, 372, 1822 (Gangetic province).

*Colisa vulgaris* Cuvier in (C & V), *Hist. Nat. Poiss.*, 1: 362, Pls. 196, 205, 1831.

*Colisa ponticeriana* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 370, 1831 (Type-locality: Pondicherry).

*Polyacanthus fasciatus*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 369, 1831.

*Colisa fasciatus*, Menon, *Rec. Indian Mus.*, 47: 235, 1949. Menon, *Rec. Indian Mus.*, 52:22, 1954 (Manipur). De Witt, *Stanford Ichth. Bull.*, 7(4): 84, 1960 (Nepal). Mahajan, *J. Bombay nat. Hist. Soc.*, 62(3): 453, 1960. Talwar and Jhingran, *Inland Fish.*, 2: 1006, 1991 (India, Pakistan, Nepal, Bangladesh, Upper Burma).

*Colisa fasciata*, Menon, *Inland Fish. Soc. India Spl. Pub.*, No.1, 99, 1974 (N. India, Nepal, Pakistan, Bangladesh, Burma). Jayaram, *HBFW Fish. India*, p. 383, 1981. Menon, *Indigenous Larvivorous Fish. India*, p. 20, 1991 (Assam, Upper Burma, Punjab, Pakistan and throughout India).

*Distribution* : Throughout India. Pakistan. Nepal. Bangladesh. Upper Burma.

*Habitat* : Freshwater rivers, lakes and estuaries generally preferring weedy environment.

*Size* : 12.5 cm TL.

#### 434. *Polyacanthus lalius* (Hamilton)

*Trichopodus lalius* Hamilton, *Fish. Ganges*, pp. 120, 372, 1822 (Type-locality : Gangetic Provinces). Hora, *Mem. Indian Mus.*, p.9, Pl. 19, fig. 5, 1929. Jayaram and Singh, *Rec. Zool. Surv. India*, 72: 272, 1977 (N. Bengal).

*Colisa unicolor* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 368, 1831.

*Colisa lalius*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 7:366, 1831. Motwani *et al.*, *Trop. Ecol.*, 3(1-2): 22, 1962 (Brahmaputra River System, Assam). Sharma and Rajput, *J. Bombay nat. Hist. Soc.*, 83(3): 567, 1986. (Bijnour Dist., U.P.). Jayaram, *HBFW Fish. India*, p. 384, 1981 (Ganges, Jamuna, Pakistan and Bangladesh. Borneo excluded).

*Trichogaster lalius*, Day, *Fish India*, p. 375, Pl. 79, Fig. 5, 1877 (Ganges and Jamuna, Common in Calcutta, also in Sind). Day, *Faun. Brit. Ind. Fish.*, 2: 373, 1889. Tandon and Gupta *J. Zool. Soc. India*, 27(1-2): 20, 1975 (Ferozpur Dist., Punjab).

*Colisa lalia*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1: 10,100, 1974. Talwar and Jhingran, *Inland Fish.*, 2: 1007, 1991 (Pakistan, India, Bangladesh. Borneo

excluded). Menon, *Indigenous Larvivorous Fish. India*, p. 21, 1991 (N. India, Assam, Bengal, Bihar, U.P.).

**Distribution** : Northern India : Assam, West Bengal, Bihar, Uttar Pradesh. Pakistan : N.W.F.P., Punjab. Sind. Bangladesh.

**Habitat** : Slow moving streams, rivulets and lakes with plenty of vegetations.

**Size** : 5.0 cm TL.

#### 435. *Polyacanthus sota* (Hamilton)

*Trichopodus sota* Hamilton, *Fish. Ganges*, pp. 120, 373, 1822 (Type-locality : Ganges river). Hora, *Mem. Indian Mus.*, 9: pl. 19, fig. 6 (From Hamilton's Ms. Drawings) 1929.

*Trichopodus chuna* Hamilton, *Fish. Ganges*, pp. 121, 1822 (Type-locality: not mentioned). Hora, *Mem. Indian Mus.*, 9, pl. 19, fig. 4 (From Hamilton's Ms. Drawings) 1929.

*Colisa chuna*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 7, 368, 1831. Menon, *Rec. Indian Mus.*, 52: 26, 1954 (Manipur).

*Trichogaster chuna*, Day, *Fish. India*. p. 363, Pl. 79, fig. 3, 1877 (Brahmaputra from Upper Assam at Debrughur to the Hooghly at Calcutta). Day, *Faun. Brit. Ind. Fish.*, 2: 371, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3: 117, fig. 123, 1937 (North Bengal).

*Colisa sota*, Menon, *Inland Fish. Soc. India Spl. Publ.*, No. 1, 1976. Jayaram, *HBFW Fish. India*. p. 384, 1981 (Gangetic province, Assam, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 2: 1007, 1991 (Gangetic province, Assam and Bangladesh). Menon, *Indigenous Larvivorous Fish. India*, p. 21, (Northern India : Assam, Bihar, Bengal, Uttar Pradesh).

**Distribution** : Northern India: Gangetic provinces and Assam. Bangladesh.

**Habitat** : Freshwater rivers and lakes with vegetation.

**Size** : 4.0 cm TL.

#### Genus 119 *Ctenops* McClelland

*Ctenops* McClelland, *Calcutta J. Nat. Hist.*, 5: 281, Pl. 21, fig. 1, 1845 (Type, *Ctenops nobilis* McClelland).

#### 436. *Ctenops nobilis* McClelland

*Ctenops nobilis* McClelland, *Calcutta, J. nat. Hist.*, 5: 281, Pl. 21, fig. 1, 1845 (Type-locality River at Sikkim, N. Bengal). Shaw and Shebbeare, *J. Asiat. Soc.*

*Beng.*, 3: 113, fig. 118, 1937 (N. Bengal). Menon, *Inland Fish. Soc. India Spl. Publ.*, No.1: 100, 1974 (Bihar, Northern Bengal and Assam). Jayaram, *HBFW Fish. India*, p. 381, 1981 (North East Bengal, Assam, Bihar, Sikkim, Bangladesh). Talwar and Jhingran, *Inland Fish.*, 2: 1001, 1991 (Bengal, Assam, Sikkim, Bangladesh). Menon, *Indigenous Larvivorous Fish. India*, p.22, 1991 (North Eastern India).

*Osphronemus nobilis* Day, *Fish. India*, p. 372, Pl. 78, fig. 5, 1877 (N. E. Bengal, Assam). Day, *Faun. Brit. Ind. Fish.*, 2: 370, fig. 122, 1889 (N.E.Bengal, Assam).

**Distribution :** North Eastern India, Bangladesh.

**Habitat :** Freshwater rivers and lakes with overgrown vegetation.

**Size :** 10.0 cm TL.

#### Genus 120 : *Pseudosphromenus* Bleeker

*Pseudosphromenus* Bleeker, *Versl. Acad. Amsterdam*, 19:2 (name) : 17 (description), 1879 (Type *Polyacanthus cupanus* Cuvier, 1831).

#### 437. *Pseudosphromenus cupanus* (Valenciennes)

*Polyacanthus cupanus* Cuvier (in C & V), *Hist. Nat. Poiss.*, 7: 357, 1831 (Type-locality : Ariancoupam river at Pondicherry). Gunther, *Cat. Fish. Brit. Mus.*, 3: 381, 1861. Kner, *Novara Fische*, 280, 1865. Day, *Fish. Malabar*, 1865. Day, *Fish. India*, p. 371, Pl. 78, fig. 4, 1876 (Malabar and Coromandal coast). Day, *Faun. Brit. Ind. Fish.*, 2: 368, fig. 121, 1889.

*Macropodus cupanus*, Deraniyagala, *Ceylon J. Sci.*, 2(2): Pl. 31, fig. 44, 1929 (Ceylon). Hora and Law, *Rec. Indian Mus.*, 43: 239, 1941 (Travancore). Jayaram, *HBFW Fish. India*, p. 382, 1981 (Kerala and Coromandal Coast. Sri Lanka. Bangladesh. Pakistan, Malaya, Malay Archipelago excluded). Talwar and Jhingran (in part), *Inland Fish.*, 2: 1002, 1991 (Eastern India, Sri Lanka, Western Burma. Malay Peninsula and Sumatra excluded).

*Pseudosphromenus cupanus*, Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 267, 1991 (S.W Sri Lanka).

**Distribution :** India: Peninsular India : Kerala, Tamil Nadu, Karnataka, Pondicherry. Sri Lanka.

**Habitat :** Fresh and brackish waters, usually in lentic condition with thick vegetation and floating plants.

**Size :** 7.5 cm TL.

438. *Pseudosphromenus dayi* (Kohler)

*Polycanthus cupanus dayi* Kohler, *Blat. Aquar. Terrar.*, **20**: 331, 1909 (Type-locality : Not given, probably Kerala).

*Pseudosphromenus dayi*, Vierke, *Z. Tierpsychol.*, **38**: 163-199, 1975 (Revision).

*Distribution* : India : Kerala.

*Habitat* : Fresh and brackish waters, in lentic conditions.

*Size* : 3.5 cm TL.

Suborder : MASTACEMBELOIDEI

Family 30 : MASTACEMBELIDAE

Genus 121 : *Macrogathus* Lacepede

*Macrogathus* Lacepede, *Hist. Nat. Poiss.*, **2**: 283 1800 (Type, *Ophidium aculeatum* Bloch). Sufi, *Bull. Raffles Mus.*, No: 27: 99-105, 1956 (Synoptic review).

*Rhynchobdella* Bloch and Schneider, *Syst. Ichth.*, p. 479, Pl. 89, 1801 (Type, *Rhynchobdella orientalis* Bloch and Schneider = *Ophidium aculeatum* Bloch).

439. *Macrogathus aral* (Bloch and Schneider)

*Rhynchobdella aral* Bloch and Schneider, *Syst. Ichth.*, p. 478, 1801 (type-locality : Tranquebar, Tamil Nadu).

*Macrogathus aculeatus* (nec Bloch), Hamilton, *Fish. Ganges*, p. 29, 1822 (Gangetic Provinces). Hora, *Mem. Indian Mus.*, **9**: Pl. 14, fig. 4, 1929. Jayaram, *HFBW Fish. India*, p. 388, 1822 (Type-locality : Gangetic Provinces).

*Rhynchobdella aculeata* (nec Bloch), Jerdon, *Madras, J. Lit. Sci.*, **15**: 147, 1848. Gunther, *Cat. Fish. Brit. Mus.*, **3**: 540, 1861. Day, *Fish. India*, p. 338, Pl. 72, fig. 1, 1876 (Deltas of large Indian, Burmese, Sind Rivers). Day, *Faun. Brit. Ind. Fish.*, **2**: 331, fig. 110, 1889 (Deltas of Indian, Burmese, Sind Rivers). Shaw and Shebbeare, *J. Asiat. Soc., Beng.* **3**: 127, fig. 29, 1937 (Muddy streams of Apalchand forest, W of Duars, N. Bengal). Sinha and Shiromany, *Rec. Indian Mus.*, **51** : 63, 1953 (Kali nadi, Meerut).

*Rhynchobdella dhanshorii* Hora, *Rec. Indian Mus.*, **22**: 205, Pl. 9, fig. 2, 1921 (Dhanshori stream, near Dimapon, Assam). Hora and Mukerji, *Rec. Indian Mus.*, **37**: 384, 1935, (Brahmaputra system). Roberts, *Copeia*, **3**: 389, 1980.

*Macrogathus jammuensis* Malhotra, et al., *Proc. nat. Acad. Sci. India*, **45B**(3): 156, fig. 2, 1975 (Gadigarh, Jammu).

*Macrogathus aral*, Talwar and Jhingran, *Inland Fish.*, 2: 1026, 1991 (Pakistan, India, Sri Lanka, Bangladesh, Nepal and Burma). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 289, 1991 (Sri Lanka).

*Distribution* : Pakistan, India, Sri Lanka, Bangladesh. Nepal. Burma. Thailand. Vietnam. Laos. Malaya and East Indies (Borneo and Mollucas).

*Habitat* : Fresh and brackish waters and deltas of large rivers; common in tanks, ponds and slow flowing rivers with vegetation in the plains.

*Size* : 38.0 cm TL.

#### 440. *Macrogathus malabaricus* (Jerdon)

*Mastacembelus malabaricus* Jerdon, *Madras. J. Lit. Sci.*, 15: 147, 1849 (Type-locality: Malabar).

*Mastacembelus guentheri*, Day, *Proc. Zool. Soc. Lond.*, p.37, 1865. Day, *Fish. Malabar*, p. 154, (Type-locality : Trichoor, Kerala). Day, *Fish. India* p. 341, Pl. 73, fig. 3, 1876 (Malabar coast). Day, *Faun. Brit. Ind. Fish.*, 2: 334, 1889. Sufi, *Bull. Raffles Mus.*, 27: 123, Pl. 21, fig. 22, 1956. Silas, *J. Bombay nat. Hist. Soc.*, 48: 793, 1959.

*Macrogathus guentheri*, Talwar and Jhingran, *Inland Fish.*, 2: 1027, 1991 (Kerala. Assam excluded).

*Distribution* : India : Kerala.

*Habitat* : Coastal rivers, streams and inundated ponds and paddy fields.

*Size* : 26.0 cm TL., commonly 20.0 cm.

#### 441. *Macrogathus pancalus* Hamilton

*Macrogathus pancalus* Hamilton, *Fish. Ganges.*, pp. 30, 364, pl. 22, fig. 7, 1822 (Type-locality: Bengal). Talwar and Jhingran, *Inland Fish.*, 2: 1027, 1991.

*Mastacembelus punctatus* Cuvier and Valenciennes (C & V), *Hist. Nat. Poiss.*, 8: 463, 1832 (Brackish ponds, Calcutta).

*Mastacembelus pancalus*, Cuvier and Valenciennes, *Hist. Nat. Poiss.*, 8: 455, 1831. Bleeker, *Verh. Bat. Gen.*, 25: 98, 1853. Gunther, *Cat. Fish. Brit. Mus.*, 3: 541, 1861 Day, *Fish. India*, p. 340, Pl. 72, fig. 4, 1876 (Deltas of large rivers of India). Day, *Faun. Brit. Ind. Fish.*, 2: 333, 1889. Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, (3)3: 126, fig. 128, 1937 (Streams of Terai and Duars, N. Bengal). Menon, *Inland Fish. Soc. India Spl. Publ.* No. 1: 101, 1974 (India, Pakistan, Bangladesh). Jayaram, *HBFW Fish. India*, p. 389, 1981.

*Distribution* : India, Pakistan, Bangladesh.

*Habitat* : Freshwater rivers of plains and estuaries.

*Size* : 18.0 cm TL.

Genus 122 : *Mastacembelus* Scopoli

*Mastacembelus* Gronow (*nec* Klein, 1744) (in part), 1763, *Zoophyl.*, p. 132 (inadmissible).

*Mastocembelus* Scopoli, *Introd. Hist. Nat.*, 458, 1777 (Type, *Simak-el inglese* Russel = *Ophidium mastocembelus* Solander). Sufi, *Bull. Raffles Mus.*, No. 27, pp. 105-143, 1956 (Correct spelling).

442. *Mastacembelus armatus* (Lacepede)

*Macrogathus armatus* Lacepede, *Hist. Nat. Poiss.*, 2: 286, 1800 (Type-locality : Not known). Hamilton, *Fish. Ganges*, p. 28, Pl. 37, fig. 6, 1822 (Bengal).

*Mastacembelus armatus*, Cuvier (in C & V), *Hist. Nat. Poiss.*, 8: 456, Pl. 240, 1832. Sykes, *Trans. Zool. Soc. Lond.*, 2: 350, Pl. 60, fig. 2, 1841. Gunther, *Cat. Fish. Brit. Mus.*, 3: 542, 1861. Day, *Fish. Malabar*, p. 153, 1865. Day, *Fish. India*, p. 340, Pl. 73, fig. 2, 1876 (Sind, through India, Ceylon, Burma to China). Day, *Faun. Brit. Ind. Fish*, 2: 334, 1889. Hora and Mukerji, *Rec. Indian. Mus.*, 38: 134 and 145, 1936 (eastern Duars). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, 3(3): p. 126, fig. 127, 1937 (N. Bengal). Hora, *Rec. Indian, Mus.*, 39: 339, 1939 (Naini-Tal, U.P.). Hora and Gupta, *J. Asiat. Soc. Beng.*, 3(6): 80, 1940 (Kalimpong Duars and Siliguri Terai, N. Bengal). Menon, *J. Bombay nat. Hist. Soc.*, 38: 540, 1949 (Almorah). Sinha and Shiromany, *Rec. Indian. Mus.*, 51: 63, 1953 (Meerut). Sufi, *Bull. Raffles Mus.*, 27: 134, Pls. 25 & 26, figs. 29-32, 1956. Talwar and Jhingran, *Inland Fish.*, 2: 1031, 1991 (Pakistan, India, Sri Lanka, Burma, Thailand and Malaya to Southern China). Pethiyagoda, *Freshwater Fish. Sri Lanka*, p. 291, 1991 (Widely distributed in Sri Lanka including hills up to 600 m).

*Mastacembelus ponticerianus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 8: 460, 1831. Jerdon, *Madras. J. Lit. Sci.*, 15: 147, 1849.

*Mastacembelus marmoratus* Valenciennes (in C & V), *Hist. Nat. Poiss.*, 8: 461, 1831. Jerdon, *Madras J. Lit. Sci*, 15: 147, 1849.

*Macrogathus caudatus* McClelland, *Calcutta J. Nat. Hist.*, 2: 586, 1842.

*Macrogathus undulatus* McClelland, *Calcutta J. Nat. Hist.*, 4: 393, 1844.

*Macrogathus hamiltoni* McClelland, *Calcutta J. Nat. Hist.*, 4: 398, Pl. 22, fig. 1, 1844.

*Mastacembelus manipurensis* Hora, *Rec. Indian, Mus.*, 22: 206, Pl. 9, fig. 3, 1921 (Khurda stream, Manipur). Sufi, *Bull. Raffles Mus.*, 27: 142, 1956 (Status

discussed).

**Distribution :** Pakistan. India. Sri Lanka. Nepal. Burma. Thailand. Malaya to South China.

**Habitat :** Streams and rivers with sandy, pebbly or rocky substrate.

**Size :** 60.0 cm TL., exceptionally 75.0 cm.

Family 31 : CHAUDHURIIDAE

Genus 123 : *Pillaia* Yazdani

*Pillaia* Yazdani, *J. Bombay nat. Hist. Soc.*, **69(1)**: 134-145, 1972 (Type, *Pillaia indica* Yazdani).

#### 443. *Pillaia indica* Yazdani

*Pillaia indica* Yazdani, *J. Bombay nat. Hist. Soc.*, **73**: 166, 1972 (Type-locality, Khasi Hills, Meghalaya). Yazdani, *Biovigyan*; **2**: 213, 1976 (Osteology). Jayaram, *HBFW Fish. India*, p. 391, 1981 (Khasi hills and Jaintia hills). Travers, *Bull. Br. Mus. nat. Hist. (Zool.)*, **46(1)**: 43, 1984 (Osteology).

*Chaudhuria indica*, Travers, *Brit. Mus. nat. Hist., (Zool.)*, **47(2)**: 143, 1984. Talwar and Jhingran, *Inland Fish.*, **2**: 1035, 1991 (Khasi and Garo hills).

**Distribution :** India: Meghalaya: Garo and Khasi Hills.

**Habitat :** Slow moving rivers, buried in mud, clinging on the submerged vegetation.

**Size :** 7.7 cm TL.

**Status :** Rare.

#### 444. *Pillaia khajuriai* Talwar, Yazdani and Kundu

*Pillaia khajuriai* Talwar, Yazdani and Kundu, *Proc. Indian Acad. Sci.*, **85(2)**: 53, fig. 1, 1977 (Type-locality : Rongrengiri, Meghalaya). Jayaram, *HBFW, Fish. India*, p. 391, 1981 (Garo hills, Baguri, Assam).

*Chaudhuria khajuriai*, Travers, *Bull. Brit. Mus. nat. Hist., (Zool.)*, **47(2)**: 143, 1984. Talwar and Jhingran, *Inland Fish.*, **2**: 1035, 1991 (Garo Hills and Upper Assam).

**Distribution :** India Meghalaya: Garo Hills; Assam: Kaziranga wildlife sanctuary.

**Habitat :** Paddy fields and slow moving streams.

**Size :** 7.7 cm TL.

**Status :** Rare.

Order XI        TETRAODONTIFORMES  
 Suborder        TETRAODONTOIDEI  
 Family 32     : TETRAODONTIDAE  
 Genus 124    : *Tetraodon* Linnaeus

*Tetraodon* Linnaeus, *Systema Naturae*, ed. 10: 332, 1758 (Type, *Tetraodon lineatus* Linnaeus). Dekkers, *Bijdr. Dierk.*, **45**(1): 92-142, 1975 (Revision).

*Monotretus* Troschel, *Abh. Preuss. Akad. Wiss. Berlin*, p. 88, 1856 (Type, *Tetraodon cutcutia* Hamilton).

445. *Tetraodon cutcutia* Hamilton

*Tetrodon cutcutia* Hamilton, *Fish. Ganges*, pp.8, 362, Pl. 18, fig. 3, 1822 (Type-locality : River Ganges). Bleeker, *Verh. Bat. Gen.*, **25**: 78, 160, 1853. Gunther, *Cat. Fish. Brit. Mus.*, **8**: 290, 1870. Day, *Fish. India*, p. 703, Pl. 182, fig. 5, 1878 (Orissa, Bengal, Assam). Day, *Faun. Brit. Ind. Fish.*, **2**: 493, 1889 (Orissa, Bengal and Assam). Menon, *Inland Fish. Soc. India Spl. Publ. No. 1*: 102, 1974 (Orissa, West Bengal, Bihar, Assam, Bangladesh). Shaw and Shebbeare, *J. Asiat. Soc. Beng.*, **3**(3): 124, fig. 126, 1937 (N. Bengal). Jayaram, *HBFW Fish. India*, p. 394, 1981 (Orissa. W.Bengal. Assam. Bangladesh). Talwar and Jhingran, *Inland Fish.*, **2**: 1060, 1991 (North east India. Bangladesh. Burma. Sri Lanka. Malay Archipelago. Ceylon excluded).

*Tetrodon caria* Hamilton, *Fish Ganges*, p. 9, 1822 (Type-locality : River Kosi).

*Tetrodon gularis* Hamilton, *Fish. Ganges*, p.10, 1822 (Type-locality, R. Kosi).

*Leisomus cutcutia*, Blyth, *J. Asiat. Soc. Beng.*, 173; 1860.

*Leisomus marmoratus* Swainson, *Nat. Hist. Fish*, **2**: 328, 1839.

*Monotretus cutcutia*, Dumeril, *Rev. Zool*, p. 281, 1855.

*Distribution* : India: Orissa, Bengal, Bihar, Assam. Bangladesh. Burma.

*Habitat* : Fresh and brackish water.

*Size* : 15.0 cm TL., commonly 10 cm.

446. *Tetraodon travancoricus* Hora and Nair

*Tetraodon (Monotretus) travancoricus* Hora and Nair, *Rec. Indian Mus.*, **43**: 391, 1941 (Type-locality, Pamba river, Central Travancore).

*Tetraodon travancoricus*, Talwar and Jhingran, *Inland Fish.*, **2**: 1061, 1991 (Pamba river, Kerala).

*Distribution* : India: Kerala: Pamba river and Vembanad lake, Minachil river and Shertallai.

*Habitat* : Freshwater rivers.

*Size* : 2.5 cm TL.

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