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## ON A COLLECTION OF FISH FROM NELLORE AND CHITTOOR DISTRICTS, ANDHRA PRADESH

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### INTRODUCTION

In keeping with the approved annual programme of work, Nellore and Chittoor districts of Andhra Pradesh were surveyed during pre monsoon and post monsoon periods of 2002-2004 by Dr. M.B. Raghunathan (M.B.R.) and Dr. O.P. Srivastava (O.P.S.) and party. A total of 5 Surveys were carried out to 41 localities yielding 8318 specimens. A detailed study revealed the presence of 53 species belonging to 16 families and 8 orders. The specimens were registered and deposited in the Reserve Collections of the station.

A systematic list of the species along with standard data are provided, identifications being based on Day (1875-78), Talwar and Jhingran (1991) Jayaram (1999) and Menon (1999). Figures of species reported recently from Andhra Pradesh are provided (Plates I-III).

### LIST OF SPECIES COLLECTED

Order CLUPEIFORMES

Family CLUPEIDAE

Subfamily PELLONULINAE

1. *Ehirava fluviatilis* Deraniyagala\*

Order CYPRINIFORMES

Family CYPRINIDAE

Subfamily LEUCISCINAE

2. *Aristichthys nobilis* (Richardson)\*

3. *Salmostoma clupeoides* (Bloch)
4. *Chela cadius* (Ham.)
5. *Chela laubuca* (Ham.)
6. *Esomus barbatus* (Jerdon)
7. *Esomus danricus* (Ham.)
8. *Esomus thermoicos* (Val.)
9. *Rasbora caverii* (Jerdon)
10. *Rasbora daniconius* (Ham.)
11. *Rasbora cf. labiosa* Mukerji\*
12. *Amblypharyngodon microlepis* (Blkr.)
13. *Amblypharyngodon mola* (Ham.)

#### Subfamily CYPRININAE

14. *Cyprinus carpio communis* (Linne.)
15. *Puntius bimaculatus* (Bleeker)\*
16. *Puntius chola* (Ham.)
17. *Puntius conchoniis* (Ham.)
18. *Puntius dorsalis* (Jerdon)
19. *Puntius fraseri* Hora and Misra\*
20. *Puntius sophore* (Ham.)
21. *Puntius ticto* (Ham.)
22. *Puntius vittatus* Day
23. *Puntius sarana subnasutus* (Val.)
24. *Cirrhinus mrigala* (Ham.)
25. *Cirrhinus reba* (Ham.)
26. *Catla catla* (Ham.)
27. *Labeo rohita* (Ham.)

#### Subfamily GARRINAE

28. *Garra mullya* (Sykes)

#### Family COBITIDAE

29. *Lepidocephalus thermalis* (Val.)

#### Order SILURIFORMES

#### Family SCHILBEIDAE

30. *Pseudeutropius atherinoides* (Bloch)

## Family BAGRIDAE

31. *Mystus bleekeri* (Day)
32. *Mystus gulio* (Ham.)
33. *Mystus vittatus* (Bloch)

## Family HETEROPNEUSTIDAE

34. *Heteropneustes fossilis* (Bloch)

## Order MUGILIFORMES

## Family MUGILIDAE

35. *Rhinomugil corsula* (Hamilton)

## Order BELONIFORMES

## Family ADRIANICHTHYIDAE

36. *Oryzias carnaticus* (Jerdon)

## Order CYPRINODONTIFORMES

## Family CYPRINODONTIDAE

37. *Aplocheilus parvus* Sundara Raj\*
38. *Aplocheilus panchax* (Ham.)

## Family POECILIDAE

39. *Gambusia affinis* (Baird & Girard)
40. *Poecilia reticulata* (Peters)

## Order PERCIFORMES

## Family CHANDIDAE

41. *Chanda nama* Hamilton
42. *Parambassis lala* (Hamilton)\*
43. *Parambassis ranga* (Ham.)

## Family CICHLIDAE

44. *Etroplus maculatus* (Bloch)
45. *Oreochromis mossambica* (Peters)
46. *Oreochromis niloticus* (Linnaeus)\*

## Family GOBIIDAE

47. *Glossogobius giuris* (Ham.)
48. *Pseudogobius javanicus* (Bleeker)

## Family BELONTIDAE

- 49.
- Colisa lalia*
- (Hamilton)\*

## Family CHANNIDAE

- 50.
- Channa orientalis*
- (Schneider)

- 51.
- Channa punctatus*
- (Bloch)

## Order SYNBRANCHIFORMES

## Family MASTACEMBELIDAE

- 52.
- Macrogathus aral*
- (Bloch & Schneider)

- 53.
- Macrogathus pancalus*
- Hamilton

\*Recent new reports from Andhra Pradesh (Rema Devi *et al.*, 2005)

1. *Ehirava fluviatilis* Deraniyagala

- 1929.
- Ehirava fluviatilis*
- , Deraniyagala,
- Spolia Zeylan.*
- , 15 : 35, pl. 14 (Type-locality : Western Province of Sri Lanka).

- 1991.
- Ehirava fluviatilis*
- , Talwar and Jhingran,
- Inland Fishes of India and Adjacent Countries*
- , Vol. I : 116.

*Material* : 7 exs., 21.0-34.0 mm. SL., F.7143, Venad, Pulicat Lake, 12.1.2003, M.B.R.; 3 exs., 22.0-27.0 mm. SL., F.7218, Pulicat Lake, 12.01.2003, M.B.R.; 138 exs., 21.0-29.0 mm. SL., F.7569, Buchinayudu Kandriga, 16.10.2003, M.B.R.

*Distribution* : Coastal waters of southern India.

*Elsewhere* : Sri Lanka.

2. *Aristichthys nobilis* (Richardson)

- 1844.
- Leuciscus nobilis*
- , Richardson,
- Voy. H.M.S. "Sulphur"*
- : 140, pl. 63, fig. 3 (Type-locality : Canton, China).

- 1991.
- Hypophthalmichthys nobilis*
- , Talwar and Jhingran,
- Inland Fishes of India and Adjacent Countries*
- , Vol. I : 332.

- 1991.
- Aristichthys nobilis*
- , Rohan Pethiyagoda,
- Freshwater Fishes of Sri Lanka*
- , p. 57.

*Material* : 1 ex., 120.0 mm. SL., F.7489, Maraparakandriya, Chittoor District, Sriharikota, 24.02.2004, O.P.S.

*Distribution* : Southern and Central China. Transplanted to North China, Japan, Taiwan, Vietnam, Thailand, Malaysia, Sri Lanka, Bangladesh and India.

3. *Salmostoma clupeioides* (Bloch)

- 1782.
- Cyprinus clupeioides*
- , Bloch,
- Naturges ausland Fische*
- , 12 : 49, pl. 408, fig. 2. (Type-locality : "Indian Ocean" evidently not the ocean but some freshwater).

1991. *Salmostoma clupeioides*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 323.

*Material* : 1 ex., 53 mm. SL., F.7454, Saidapuram, 22.02.04, O.P.S.; 1 ex., 80 mm. SL., F.7547, Rampur, 8.10.03, M.B.R.; 4 exs., 34.0-54.0 mm. SL., F.7092, Kaligiri, 17.1.03, M.B.R.; 3 exs., 29.0-34.0 mm. SL., F.7113, Pellekuru, 23.01.03, M.B.R.; 3 exs., 26.0-53.0 mm. SL., F.7169, Nalpattu Area, 14.01.03, M.B.R.; 1 ex., 39 mm. SL., F.7253, Rampur, 20.01.03, M.B.R.; 1 ex., 71 mm. SL., F.7445, Kammavari Palam, Nellore, 21.02.04, O.P.S.; 9 exs., 42.0-62.0 mm. SL., F.7550(a), Kavali, 7.10.03, M.B.R.; 10 exs., 61.0-72.0 mm. SL., F.7550(b), Kavali, 7.10.03, M.B.R.; 40 exs., 61.0-65.0 mm. SL., F.7550(C), Kavali, 7.10.03, M.B.R.; 8 exs., 25.0-50.0 mm. SL., F.7564, Pollur, 12.10.03, M.B.R.; 116 exs., 23.0-45.0 mm. SL., F.7570, Buchinayudu Kandriga, 16.10.03, M.B.R.; 131 exs., 29.0-75.0 mm. SL., F.7557, Nellore Tank (High Way), 9.10.03, M.B.R.

*Distribution* : India : Peninsular India.

#### 4. *Chela cachi* (Hamilton)

1822. *Cyprinus (Chela) cachi*, Hamilton-Buchanan, *Fishes of Ganges* : 258, 384 (Type-locality : Ganges river about commencement of delta).

1991. *Chela cachi*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 313-314.

*Material* : 1 ex., 22.0 mm. SL., F.7197, Udayagiri, 16.01.03, M.B.R.; 1 ex., 31.0 mm. SL., F.7577, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan.

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

1822. *Cyprinus (Chela) laubuca*, Hamilton-Buchanan, *Fishes of Ganges* : 260, 384 (Type-locality : Ponds in northern parts of Bengal).

1991. *Chela laubuca*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 316-317.

*Material* : 1 ex., 17.0 mm. SL., Venad, 12.01.03, M.B.R.; 1 ex., 40.0 mm. SL., F.7166, Nalpattu Area, 14.1.03, M.B.R.; 2 exs., 26.0-30.0 mm. SL., F.7189, Venkatagiri, 19.01.03, M.B.R.; 4 exs., 27.0-51.0 mm. SL., F.7491, Dachur, Nellore, 22.2.04, O.P.S.; 1 ex., 22 mm. SL., F.7546, Rampur, 8.10.03, M.B.R.; 2 exs., 33.0-35.0 mm. SL., F.7578, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

#### 6. *Esomus barbatus* (Jerdon)

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

1991. *Esomus barbatus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 376.

*Material* : 1 ex., 64.0 mm. SL., F.7156, Chittoor, Vittalam, 10.09.02, O.P.S.; 25 exs., 25.0-35.0 mm. SL., F.7168, Nalpattu Area, 14.1.03, M.B.R.; 1 ex., 63.0 mm. SL., F.7175, Chittoor, Vittalam,

10.9.02, O.P.S.; 5 exs., 45.0-55.0 mm. SL., F.7180, Guntha Godantu, Chittoor, 15.9.02, O.P.S.; 1 ex., 45 mm. SL., F.7186, Balija Palle, Chittoor, 5.9.02, O.P.S.; 5 exs., 45.0-52.0 mm. SL., F.7223, Nellore, Kavali, 23.9.02, O.P.S.; 2 exs., 35.0-44.0 mm. SL., F.7244, Akkurti, 25.1.03, M.B.R.; 1 ex., 50 mm. SL., F.7473, Kovur, 7.10.03, M.B.R.; 7 exs., 40.0-60.0 mm. SL., F.7587, Yempedu, 14.10.03, M.B.R.

*Distribution* : India : Peninsular India, Godavari, Krishna and Cauvery River Systems.

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

1822. *Cyprinus danrica* Hamilton-Buchanan, *Fishes of Ganges* : 325, 390, pl. 16, fig. 88 (Type-locality : Ponds and ditches of Bengal).

1991. *Esomus danricus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 377-378.

*Material* : 1 ex., 27.0 mm. SL., F.7118, Pellekuru, 23.01.03, M.B.R.; 1 ex., 32 mm. SL., F.7126, Dakkili, 20.1.03, M.B.R.; 2 exs., 35.0-36.0 mm. SL., F.7144, Venad, 12.1.03, M.B.R.; 3 exs., 27.0-30.0 mm. SL., F.7171, Nalpattu Area, 14.1.03, M.B.R.; 10 exs., 21.0-28.0 mm. SL., F.7198, Udayagiri, 16.1.03, M.B.R.; 20 exs., 23.0-43.0 mm. SL., F.7231, Tada Pond, 13.1.03, M.B.R.; 4 exs., 25.0-28.0 mm. SL., F.7252, Rampur, 20.1.03, M.B.R.; 1 ex., 27.0 mm. SL., F.7255, Empedu, 21.1.03, M.B.R.; 7 exs., 32.0-37.0 mm. SL., F.7482, Renigunta, 15.10.03, M.B.R.; 1 ex., 43.0 mm. SL., F.7447, Kammavari Palam Nellore, 21.02.04, O.P.S.; 3 exs., 29.0-32.0 mm. SL., F.7492, Dachur Nellore, 22.2.04, O.P.S.; 3 exs., 33.0-40.0 mm. SL., F.7513, Kalahasti Lakshmipuram, Chittoor, 24.2.04, O.P.S.; 2 exs., 22.0-33.0 mm. SL., F.7558, Nellore Tank (High Way), 9.10.03, M.B.R.; 2 exs., 31.0-33.0 mm. SL., F.7572, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : Throughout north and eastern India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

### 8. *Esomus thermoicos* (Valenciennes)

1842. *Nuria thermoicos* Valenciennes, *Hist. nat. Poiss.*, 16 : 238, pl. 472 (Type-locality : Hot springs at Kanniya, Sri Lanka).

1991. *Esomus thermoicos*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 378-379.

*Material* : 1 ex., 25.0 mm. SL., F.7165, Kadevedu, Nellore Dt., 18.09.02, O.P.S.; 5 exs., 48.0-64.0 mm. SL., F.7222, Nellore Kavali, 23.09.02, O.P.S.; 7 exs., 20.0-35.0 mm. SL., F.7199, Udayagiri, 16.1.03, M.B.R.; 1 ex., 32.0 mm. SL., F.7119, Pellekuru, 23.1.03, M.B.R.; 2 exs., 40.0-60.0 mm. SL., F.7586, Yempedu, 14.10.04, M.B.R.

*Distribution* : India : Southern India.

*Elsewhere* : Sri Lanka.

*Remarks* : This species earlier known only from Sri Lanka is now found to be widespread in South India (Jayaram, 1999).

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

1849. *Leuciscus caverii* Jerdon, *Madras J. Lit. Sci.*, **15** : 320 (Type-locality : Cauvery River (Karnataka)).

1991. *Rasbora caverii*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 388-389.

**Material** : 22 exs., 22.0-23.0 mm. SL., F.7125, Dakkili, 20.01.03, M.B.R.; 14 exs., 23.0-55.0 mm. SL., F.7157, Chittoor, Vittalam, 10.9.02, O.P.S.; 25 exs., 17.0-23.0 mm. SL., Nalpattu Area, 14.1.03, M.B.R.; 1 ex., 75.0 mm. SL., F.7172, Etari Ganga, Mellur, Chittoor, 7.9.02, O.P.S.; 10 exs., 23.0-47.0 mm. SL., F.7176, Vittalam, Chittoor, 10.9.02, O.P.S.; 62 exs., 24.0-61.0 mm. SL., F.7183, Malapalle, Chittoor, 9.9.02, O.P.S.; 1 ex., 39.0 mm. SL., F.7187, Balija Palle, Chittoor, 5.9.02, O.P.S.; 6 exs., 22.0-34.0 mm. SL., F.7190, Venkatagiri, 19.1.03, M.B.R.; 1060 exs., 14.0-16.0 mm. SL., F.7196, Udayagiri 16.1.03 M.B.R.; 7 exs., 35.0-43.0 mm. SL., F.7208, Doracharu, Palamaner, 5.09.02, O.P.S.; 19 exs., 29.0-61.0 mm. SL., F.7224, Nellore, Kavali, 23.9.02, O.P.S.; 1 ex., 23.0 mm. SL., Tada Pond, 13.1.03, M.B.R.; 23 exs., 24.0-42.0 mm. SL., F.7245, Akkurti, 25.1.03, M.B.R.; 1 ex., 32.0 mm. SL., Varadee Eru, Nellore, 21.2.04, O.P.S.; 3 exs., 23.0-28.0 mm. SL., F.7528, Empedu, Kalahasti, 25.2.04, O.P.S.; 42 exs., 22.0-29.0 mm. SL., F.7556, Pollur, 12.10.03, M.B.R.; 2 exs., 42.0-58.0 mm. SL., F.7573, Buchinayudu Kandriga, 16.10.03, M.B.R.; 3 exs., 23.0-52.0 mm. SL., F.7588, Yempedu, 14.10.03, M.B.R.

**Distribution** : India : Southern India, Notably Karnataka, especially the Cauvery Basin, Javadi Hills, Eastern Ghats.

**Elsewhere** : Sri Lanka.

### 10. *Rasbora daniconius* (Hamilton)

1822. *Cyprinus danricus* Hamilton-Buchanan, *Fishes of Ganges* : 327, 391, pl. 15, fig. 89 (Type-locality : rivers of southern Bengal).

1999. *Rasbora daniconius*, Jayaram, *The Freshwater Fishes of the Indian Region* : 82-83.

**Material** : 45 exs., 21.0-37.0 mm. SL., F.7097, Kaligiri, 17.01.03, M.B.R.; 30 exs., 11.0-57.0 mm. SL., F.7105, S.R. Puram, 16.1.03, M.B.R.; 3 exs., 22.0-27.0 mm. SL., F.7114, Pellekuru, 23.1.03, M.B.R.; 12 exs., 25.0-28.0 mm. SL., F.7124, Dakkili, 20.1.03, M.B.R.; 1 ex., 17.0 mm. SL., Venad, 12.1.03, M.B.R.; 29 exs., 29.0-52.0 mm. SL., F.7251, Rampur, 20.1.03, M.B.R.; 1 ex., 45.0 mm. SL., F.7484, Nellore Dam, 9.10.03, M.B.R.; 2 exs., 40.0-42.0 mm. SL., F.7472, Kovur, 7.10.03, M.B.R.; 32 exs., 26.0-40.0 mm. SL., F.7479, Renigunta, 15.10.03 M.B.R.; 8 exs., 33.0-49.0 mm. SL., F.7420, Kwalaghata, Nellore, 21.02.04, O.P.S.; 35 exs., 27.0-48.0 mm. SL., F.7430, Varadee Eru, Nellore, 21.2.04, O.P.S.; 62 exs., 29.0-47.0 mm. SL., F.7436, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 16 exs., 32.0-54.0 mm. SL., F.7446, Kammavari palam, Nellore, 21.2.04, O.P.S.; 1 ex., 29.0 mm. SL., Saidapuram, 22.2.04, O.P.S.; 2 exs., 21.0-58.0 mm. SL., F.7493, Dachur, Nellore, 22.2.04, O.P.S.; 1 ex., 30.0 mm. SL., F.7504, Venkatagiri, Srikalahasthi, Chittoor, 25.2.04, O.P.S.; 1 ex., 30.0 mm. SL., F.7527, Empedu, Srikalahasthi, 25.2.04, O.P.S.; 21 exs., 25.0-45.0 mm. SL., F.7545, Rampur, 8.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Malay Archipelago, Myanmar, Nepal, Pakistan, Sri Lanka, Zanzibar.

### 11. *Rasbora cf. labiosa* Mukerji

1935. *Rasbora labiosa* Mukerji, *Rec. Indian Mus.*, **37**(3) : 376, Fig. 1, 2 (Type-locality : Deolali, Nasik Dist., Maharashtra).

1999. *Rasbora labiosa*, Jayaram, *The Freshwater Fishes of the Indian Region* : 83.

*Material* : 3 exs., 24.0-29.0 mm. SL., F.7591, Etteri, 28.2.04, O.P.S.

*Distribution* : India : Maharashtra, Karnataka.

*Remarks* : The specimens are under study for confirming its identity.

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

1853. *Leuciscus microlepis* Bleeker, *Verh. batav. Genoot. Wet.*, **25** : 141 (Type-locality : Bengal).

1991. *Amblypharyngodon microlepis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 337-338.

*Material* : 58 exs., 21.0-30.0 mm. SL., F.7167, Nalpattu Area, 14.01.03, M.B.R.; 1 exs., 24.0mm. SL., Guntha Godantu, Chittoor, 15.9.02, O.P.S.; 5 exs., 21.0-28.0 mm. SL., F.7204, Udayagiri, 16.1.03, M.B.R.; 3 exs., 43.0-53.0 mm. SL., F.7221, Nellore, Kavali, 23.9.02, O.P.S.; 88 exs., 25.0-41.0 mm. SL., F.7227, Bakrapet, 13.9.02, O.P.S.; 1 ex., 28.0 mm. SL., F.7563, Pollur, 12.10.03, M.B.R.; 1 ex., 25.0 mm. SL., F.7571, Buchinayudu Kandriga, 16.10.03, M.B.R.

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

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

1822. *Cyprinus mola* Hamilton-Buchanan, *Fishes of Ganges* : 334, 392, pl. 38, fig. 92 (Type-locality : ponds and rivers of Gangetic provinces).

1991. *Amblypharyngodon mola*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 338.

*Material* : 3 exs., 34.0-36.0 mm. SL., F.7096, Kaligiri, 17.01.03, M.B.R.

*Distribution* : India : Throughout except Kerala.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan.

### 14. *Cyprinus carpio communis* (Linnaeus)

1758. *Cyprinus carpio* Linnaeus *Systema Naturae*, ed. 10, **1** : 320 (Type-locality : Europe).

1991. *Cyprinus carpio communis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 184-186.

*Material* : 2 exs., 85.0-104.0 mm. SL., F.7490, Marapara kandriga, Srikalahasthi, 24.2.04, O.P.S.



*Distribution* : Naturally found all through America, China, Europe, Japan, Korea, Taiwan. Introduced into India in 1939.

### 15. *Puntius bimaculatus* (Bleeker)

1864. *Gnathopogon bimaculatus* Bleeker, *Verh. Nat. Holl. Maatsch. Haarlem*, (2)20 : 17, pl. 4, fig. 1 (Type-locality : Ceylon).

1991. *Puntius bimaculatus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 259-260.

*Material* : 50 exs., 22.0-47.0 mm. SL., F.7184, Mala palli, Chittoor, 9.9.02, O.P.S.; 2 exs., 35.0-40.0 mm. SL., F.7226, Kavali, Nellore, 23.9.02, O.P.S.; 6 exs., 25.0-41.0 mm. SL., F.7158, Vittalam, Chittoor, 10.9.03, O.P.S.; 2 exs., 19.0-22.0 mm. SL., F.7554, Pulicat Pond, 11.10.03, M.B.R.; 1 ex., 49.0 mm. SL., F.7589, Yempedu, 14.10.03, M.B.R.; 2 exs., 24.0-26.0 mm. SL., F.7246, Akkurti, Nellore, 25.1.03, M.B.R.; 2 exs., 24.0 and 32.0 mm. SL., F.7592, Etteri, Chittoor, 28.2.2004, O.P.S.

*Distribution* : Southern India.

*Elsewhere* : Sri Lanka.

### 16. *Puntius chola* (Hamilton)

1822. *Cyprinus chola* Hamilton-Buchanan, *Fishes of Ganges* : 312, 389 (Type-locality : Northeastern parts of Bengal).

1991. *Puntius chola*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 263-265.

*Material* : 1 ex., 40.0 mm. SL., F.7095, Kaligiri, 17.01.03, M.B.R.; 1 ex., 28.0 mm. SL., F.7104, S.R. Puram, 16.1.03, M.B.R.; 1 ex., 52.0 mm. SL., F.7136, Kavali Tank, 17.1.03, M.B.R.; 1 ex., 76.0 mm. SL., F.7159, Vittalam, Chittoor, 10.9.02, O.P.S.; 2 exs., 28.0-35.0 mm. SL., F.7233, Tada Pond, 13.1.03, M.B.R.; 2 exs., 50.0-52.0 mm. SL., F.7431, Varadee Eru, Nellore, 21.2.04, O.P.S.; 2 exs., 42.0-45.0 mm. SL., F.7437, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 1 ex., 45.0 mm. SL., F.7448, Kammavaripalam, Nellore, 21.2.04, O.P.S.; 1 ex., 79.0 mm. SL., F.7520, Pallamala, Sri Kalahasthi, 26.2.04, O.P.S.; 3 exs., 45.0-46.0 mm. SL., F.7529, Empedu, Kalahasthi, 25.02.04, O.P.S.; 2 exs., 35.0-36.0 mm. SL., F.7576, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

### 17. *Puntius conchoni* (Hamilton)

1822. *Cyprinus conchoni*, Hamilton-Buchanan, *Fishes of Ganges* : 317, 389 (Type-locality : ponds of northeast Bengal; Kosi river and Ami river).

1991. *Puntius conchoni*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 266.

*Material* : 1 ex., 30.0 mm. SL., F.7115, Pellekuru, 23.01.03, M.B.R.; 3 exs., 38.0-40.0 mm. SL., F.7122, Dakkili, 20.1.03, M.B.R.; 1 ex., 29.0 mm. SL., F.7456, Saidapuram, 22.2.04, O.P.S., 15 exs., 17.0-30.0 mm. SL., F.7575, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Nepal, Pakistan : Punjab.

*Remarks* : Earlier reported only from Assam, North Eastern Bengal, U.P. and Cauvery in the South. Now it is found to be widespread in Peninsular India : Tamil Nadu, Kerala, Karnataka & Maharashtra. It is reported to be widespread and common in Andhra Pradesh (Barman, 1993). Its distribution in Pennar river in Nellore & Chittoor in Andhra Pradesh is an additional record.

### 18. *Puntius dosalis* (Jerdon)

1849. *Systemus dorsalis* Jerdon, *Madras J. Lit. Sci.*, **15** : 314 (Type-locality : tanks and rivers in neighbourhood of Madras).

1991. *Puntius dorsalis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 268.

*Material* : 8 exs., 73.0-90.0 mm. SL., F.7101, Duttaluru, 18.01.03, M.B.R.; 1 ex., 40.0 mm. SL., F.7505, Venkatagiri, Srikalahasthi, Chittoor, 25.2.04, O.P.S.

*Distribution* : India : Cauvery and Krishna river systems in Andhra Pradesh, Karnataka, Tamil Nadu & Kerala, Rivers of Orissa, Madhyapradesh.

*Elsewhere* : Sri Lanka.

### 19. *Puntius fraseri* Hora and Misra

1838. *Barbus fraseri* Hora and Misra, *J. Bombay nat. Hist. Soc.*, **40**(1) : 29, pl. 3, fig. 2 and text fig. 4. (Type-locality : Darna river at Deolali, Maharashtra).

1991. *Puntius fraseri*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 272.

*Material* : 2 exs., 29.0-33.0 mm. SL., F.7566, Pollur, 12.10.03, M.B.R.; 39 exs., 13.0-20.0 mm. SL., F.7200, Udayagiri, Nellore, 16.1.03, M.B.R.; 3 exs., 30.0-32.0 mm. SL., F.7496, Dachur, Nellore, 22.2.04, O.P.S.; 2 exs., 21.0-22.0 mm. SL., F.7538, Parosalli, Kalahasthi, Chittoor, 26.2.04, O.P.S.

*Distribution* : India : Dharna River, Maharashtra; Pennar River, Nellore, Andhra Pradesh.

### 20. *Puntius sophore* (Hamilton)

1822. *Cyprinus sophore* Hamilton-Buchanan, *Fishes of Ganges* : 310, 389, (Type-locality : ponds and rivers in Gangetic provinces).

1991. *Puntius sophore*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 288-289.

*Material* : 12 exs., 27.0-40.0 mm. SL., F.7093, Kaligiri, 17.1.03, M.B.R.; 2 exs., 73.0-74.0 mm. SL., F.7102, Duttaluru, 18.1.03, M.B.R.; 1 ex., 40.0 mm. SL., F.7137, Kavali Tank, 17.1.03, M.B.R.; 3 exs., 38.0-50.0 mm. SL., F.7160, Chittoor, Vittalam, 10.9.02, O.P.S.; 9 exs., 44.0-64.0 mm. SL.,

F.7181, Guntha Godantu, Chittoor, 15.9.02, O.P.S.; 44 exs., 14.0-21.0 mm. SL, F. 7201, Udayagiri, 16.1.03, M.B.R.; 1 ex., 35.0 mm. SL., F.7225, Kavali, Nellore, 23.9.03, O.P.S.; 3 exs., 21.0-40.0 mm. SL., F.7232, Tada Pond, 13.1.03, M.B.R.; 5 exs. 34.0.-37.0 mm. SL., F.7480, Renigunta, 15.10.03, Coll. M.B.R.; 1 ex., 45.0 mm. SL., F.7421, Kwalaghata, Nellore, 21.2.04, O.P.S.; 3 exs., 21.0-24.0 mm. SL., F.7457, Saidapuram, 22.2.04, O.P.S.; 2 exs., 21.0-58.0 mm SL., F.7494, Dachur, Nellore, 22.2.04, O.P.S.; 1 ex., 35.0 mm. SL, F.7506, Venkatagiri, Sri Kalahasthi, Chittoor, 25.2.04, O.P.S., 1 ex., 60.0 mm. SL., F.7521, Pallamala, Sri Kalahasthi, 26.2.04, O.P.S.; 20 exs., 20.0-33.0 mm. SL, F.7526, Telukamande, Chittoor, 29.2.04, O.P.S.; 3 exs., 24.0-45.0 mm. SL., F.7530, Empedu, Sri Kalahasthi, 25.2.04, O.P.S.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

### 21. *Puntius ticto* (Hamilton)

1822. *Cyprinus ticto* Hamilton-Buchanan, *Fishes of Ganges* : 314, 398, (Type-locality : South-eastern parts of Bengal).

1991. *Puntius ticto*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 291-292.

*Material* : 1 ex., 30.0 SL., F.7574, Buchinayudu Kandriga, 16.10.03, M.B.R.; 1 ex., 25.5 mm. SL., F.7094, Kaligiri, 17.1.03, M.B.R.; 5 exs., 17.0-19.5 mm. SL., F.7191, Venkatagiri, 19.1.03, M.B.R.; 107 exs., 10.0-16.0 mm. SL., F.7202, Udayagiri, 16.1.03, M.B.R.; 3 exs., 22.0-29.0 mm. SL., F.7247, Akkuriti, 25.1.03, M.B.R.; 1 ex., 40.0 mm. SL., F. 7471, Kovur, 7.10.03, M.B.R.; 2 exs., 28.0-32.0 mm. SL., F.7438, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 2 exs., 18.0-19.0 mm. SL., F.7458, Saidapuram, 22.2.04, O.P.S.; 1 ex. 41.0 mm. SL., F.7495, Dachuru, Nellore, 22.2.04, O.P.S.; 1 ex., 25.0 mm. SL., F.7514, Kalahasthi, Laxhmipuram, Chittoor, 24.2.04, O.P.S.; 1 ex., 45.0 mm. SL., F.7522, Pallamala, Sri Kalahasthi, 26.2.04, O.P.S.; 1 ex., 25.0 mm SL., F.7531, Empedu, Sri Kalahasthi, 25.2.04, O.P.S.; 1 ex., 22.0 mm. SL, F.7565, Pollur, 12.10.03, M.B.R.

*Distribution* : India : Throughout, except Kerala and South Tamil Nadu.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand.

### 22. *Puntius vittatus* Day

1865. *Puntius vittatus* Day, *Proc. zool. Soc. Lond.*, 303 (Type-locality : Cochin, Kerala).

1991. *Puntius vittatus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 293-294.

*Material* : 3 exs., 21.0-26.0 SL., F.7123, Dakkili, 20.1.03, M.B.R.; 3 exs., 26.0-33.0 mm. SL., F.7161, Chittoor, Vittalam, 10.9.02, O.P.S.; 3 exs., 22.0-36.0 mm. SL., F.7178, Chittoor, Vittalam, 10.9.02, O.P.S.; 6 exs., 22.0-26.0 mm. SL., F.7192, Venkatagiri, 19.1.03, M.B.R.; 1 ex., 28.0 mm. SL., F.7213, Venad, 12.1.03, M.B.R.; 81 exs., 16.0-35.0 mm. SL., F. 7485, Nellore Dam, 9.10.03, M.B.R.; 1 ex., 16.0 mm. SL., F.7559, Nellore Tank, High Way, 9.10.03, M.B.R.

*Distribution* : India : Peninsular India.

*Elsewhere* : Pakistan, Sri Lanka.

### 23. *Puntius sarana subnasutus* (Valenciennes)

1842. *Barbus subnasutus* Valenciennes, *Hist. nat. Poiss.*, **16** : 154 (Type-locality : Pondicherry).  
 1991. *Puntius sarana subnasutus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 285-286.

*Material* : 1 ex., 110.0 SL., F.7422, Kwalaghata, Nellore, 21.2.04, O.P.S.

*Distribution* : India : Peninsular India, south of Krishna river system.

### 24. *Cirrhinus mrigala* (Hamilton)

1822. *Cyprinus mrigala* Hamilton-Buchanan, *Fishes of Ganges* : 279, 386, pl. 6, fig. 79 (Type-locality : ponds and freshwater rivers of Gangetic provinces).  
 1999. *Cirrhinus mrigala*, Jayaram, *The Freshwater Fishes of the Indian Region* : 130-131.

*Material* : 2 exs., 142.0-146.0 SL., F.7486, Marapara Kandriga, Sri Kalahasti, Chittoor, 24.2.04, O.P.S.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan.

### 25. *Cirrhinus reba* (Hamilton)

1822. *Cyprinus reba* Hamilton-Buchanan, *Fishes of Ganges* : 280, 386 (Type-locality : rivers and ponds of Bengal and Bihar).  
 1991. *Cyprinus reba*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 173-174.

*Material* : 1 ex., 56.0 mm. SL., F.7423, Kwalaghata, Nellore, 21.2.04, O.P.S.; 1 ex., 49.0 mm. SL., F.7585, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Nepal, Pakistan.

### 26. *Catla catla* (Hamilton)

1822. *Cyprinus catla* Hamilton-Buchanan, *Fishes of Ganges* : 287, pl. 13, fig. 81 (Type-locality : rivers and tanks of Bengal).  
 1991. *Catla catla*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 163-165.

*Material* : 2 exs., 100.0-114.0 mm. SL., F.7487, Marapara Kandriga, Sri Kalahasthi, 24.2.04, O.P.S.

*Distribution* : Throughout North India upto Krishna river, but introduced into the Cauvery river system.

*Elsewhere* : Bangladesh, Nepal, Pakistan, Thailand.

### 27. *Labeo rohita* (Hamilton)

1822. *Cyprinus rohita* Hamilton-Buchanan, *Fishes of Ganges* : 301, 388, pl. 36, fig. 85 (Type-locality : Freshwater rivers of Gangetic provinces).  
 1991. *Labeo rohita*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 219-220.

*Material* : 1 ex., 127.0 mm. SL., F.7488, Marapara Kandriga, Sri Kalahasthi, Chittoor, 24.2.04, O.P.S.

*Distribution* : India : Throughout.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

### 28. *Garra mullya* (Sykes)

1841. *Chondrostoma mullya* Sykes, *Trans. zool. Soc. Lond.*, **2** : 359, pl. 62, fig. 3. (Type-locality : Bheema river at Daunde, nr. Poona).

1991. *Garra mullya*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 429.

*Material* : 12 exs., 20.0-39.0 SL., F.7128, Dakkili, 20.1.03, M.B.R.; 1 ex., 95.0 mm. SL., F.7179, Chittoor, Vittalam, 10.9.02, O.P.S.; 1 ex., 51.0 mm. SL., F.7182, Guntha Godantu, Chittoor, 15.9.02, O.P.S.

*Distribution* : Throughout India except Assam and the Himalaya.

### 29. *Lepidocephalus thermalis* (Valenciennes)

1846. *Cobitis thermalis* Valenciennes, *Hist. nat. Poiss.*, **18** : 78 (Type-locality : Malabar).

1991. *Lepidocephalus thermalis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. I : 527-528.

*Material* : 12 exs., 37.0-45.0 mm. SL., F.7593, Ettari, Chittoor, 28.2.04, O.P.S.; 18 exs., 31.0-49.0 mm. SL., F.7098, Kaligiri, 17.1.03, M.B.R.; 1 ex., 37.0 mm. SL., F.7116, Pellakuru, 23.1.03, M.B.R.; 8 exs., 25.0-44.0 mm. SL., F.7127, Dakkili, 20.1.03, M.B.R.; 1 ex., 45.0 mm. SL., F.7138, Kavali Tank, 17.1.03, M.B.R.; 6 exs., 16.0-43.0 mm. SL., F. 7164, Nellore, Kadevedu, 18.9.02, O.P.S.; 5 exs., 30.0-39.0 mm. SL., F.7170, Nalpattu Area, 14.1.03, M.B.R.; 1 ex., 29.0 mm. SL., F.7193, Venkatagiri, 19.1.03, M.B.R.; 72 exs. 16.0-28.5 mm. SL., F.7203, Udayagiri, 16.1.03, M.B.R.; 2 exs., 28.0-33.0 mm. SL., Tada Pond, 13.1.03, M.B.R.; 4 exs., 23.0-29.0 mm. SL., F.7248, Akkuriti, 25.1.03, M.B.R.; 7 exs., 24.0-30.0 mm SL., F.7256, Empedu, 21.1.03, M.B.R.; 1 ex., 34.0 mm. SL, F.7475, Kovur, 7.10.03, M.B.R.; 1 ex., 39.0 mm. SL, F.7497, Dachur, Nellore, 22.2.04, M.B.R.; 1 ex., 39.0 mm. SL., F.7507, Venkatagiri, Sri Kalahasthi, Chittoor, 25.2.04, O.P.S.; 2 exs., 33.0-42.0 mm SL., F.7515, Kalahasthi, Lakshmipuram, Chittoor, 24.2.04, O.P.S.; 4 exs., 31.0-35.0 mm. SL, F.7590, Empedu, 14.10.03, M.B.R.

*Distribution* : India : Peninsular India.

*Elsewhere* : Sri Lanka.

### 30. *Pseudeutropius atherinoides* (Bloch)

1794. *Silurus atherinoides* Bloch, *Naturges. ausland. Fische*, **8** : 48, pl. 371, fig. 1 (Type-locality : Tranquebar, Tamil Nadu).

1991. *Pseudeutropius atherinoides*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 606-607.

*Material* : 1 ex., 45.0 mm. SL., F.7425, Kwalaghata, Nellore, 21.2.04, O.P.S.

*Distribution* : India : Throughout, except Kerala and Assam.

*Elsewhere* : Pakistan, Nepal, Bangladesh.

31. *Mystus bleekeri* (Day)

1846. *Bagrus keletius* (nec. Valenciennes), Bleeker, *Nat. Geneesk. Arch. Ned.-Indie*, (2)3 : 135 (Type-locality : Bengal).
1877. *Macrones bleekeri* Day, *Fishes of India* : 451, pl. 101, fig. 1. (Replacement name for *Bagrus keletius* Bleeker, 1846).
1991. *Mystus bleekeri*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 558-559.  
*Material* : 1 ex., 35.0 mm. SL., F.7234, Tada Pond, 13.1.03, M.B.R., 3 exs., 97.0-110.0 mm. SL., F.7523, Sri Kalahasthi, Pallamala, 26.2.04, O.P.S.

*Distribution* : Throughout India.

*Elsewhere* : Pakistan, Nepal, Bangladesh, Myanmar, Malaya.

32. *Mystus gulio* (Hamilton)

1822. *Pimelodus gulio* Hamilton-Buchanan, *Fishes of Ganges* : 201, 379, pl. 23, fig. 66 (Type-locality : higher parts of Gangetic estuaries):
1991. *Mystus gulio*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 560-561.  
*Material* : 7 exs., 28.0-38.0 mm. SL., F.7109, Venad, 12.1.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Pakistan, Bangladesh, Sri Lanka, Myanmar, Thailand, Malaysia, Java, Sumatra, Borneo.

33. *Mystus vittatus* (Bloch)

1797. *Silurus vittatus* Bloch, *Ichthyol. Hist. Nat.*, 11 : 40, pl. 371, fig.2 (Type-locality : Tranquebar, Tamil Nadu).
1991. *Mystus vittatus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 573-574.  
*Material* : 13 exs., 31.0-75.0 mm. SL., F.7450, Kammavaripalam, Nellore, 21.2.04, O.P.S.; 5 exs., 23.0-37.0 mm. SL., F.7106, S.R.Puram, 16.1.03, M.B.R.; 32 exs., 33.0-63.0 mm. SL., F.7139, Kavali Tank, 17.1.03, M.B.R.; 1 ex., 28.0 mm. SL., Venad, 12.1.03, M.B.R.; 29 exs., 36.0-52.0 mm. SL., F.7249, Akkurti, 25.1.03, M.B.R.; 3 exs., 72.0-76.0 mm. SL., F. 7424, Kwalaghata, Nellore, 21.2.04, O.P.S.; 4 exs., 33.0-76.0 mm. SL., F.7434, Varadee Eru, Nellore, 21.2.04, O.P.S.; 14 exs., 35.0-71.0 mm. SL., F.7439, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 2 exs. 63.0-67.0 mm. SL., F.7498, Dachur, Nellore, 22.2.04, O.P.S.; 2 exs., 36.0-50.0 mm. SL., F.7533, Empedu, Kalahasthi, 25.2.04, O.P.S.; 2 exs., 77.0-78.0 mm. SL., F.7524, Nallamala, Sri Kalahasthi, 26.2.04, O.P.S.; 1 ex., 58.0 mm SL., F.7548, Rampur, 8.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

34. *Heteropneustes fossilis* (Bloch)

1794. *Silurus fossilis* Bloch, *Naturges. ausland Fische.*, 8 : 46, pl. 370, fig. 2 (Type-locality : Tranquebar, Tamil Nadu).
1991. *Heteropneustes fossilis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 689-690.

*Material* : 1 ex., 54.0 mm. SL., F.7140, Kavali Tank, 17.1.03, M.B.R.

*Distribution* : India.

*Elsewhere* : Bangladesh, Laos, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand.

### 35. *Rhinomugil corsula* (Hamilton)

1822. *Mugil corsula* Hamilton-Buchanan, *Fishes of Ganges* : 221, 381, pl. 9, fig. 97 (Type-locality : Ganges river).

1991. *Rhinomugil corsula*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 897-898.

*Material* : 1 ex., 16.0 mm. SL., F.7433, Varadee Eru, Nellore, 21.2.04, O.P.S.; 1 ex., 53.0 mm. SL., F.7442, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 2 exs., 57.0-62.0 mm. SL., F.7453, Kammavaripalam, Nellore, 21.2.04, O.P.S.

*Distribution* : India.

*Elsewhere* : Bangladesh, Nepal and Myanmar.

### 36. *Oryzias carnaticus* (Jerdon)

1848. *Aplocheilus carnaticus* Jerdon, *Madras J. Lit. Sci.*, **15** : 331 (Type-locality : the River that passes by Waniambaddy in the Carnatic.)

1998. *Oryzias carnaticus*, Tyson R. Roberts, *Ichthyological Research. The Ichthyological Society of Japan*, **45**(3) : 213-224.

*Material* : 1 ex., 23.0 mm. SL., F.7463, Nellore Dam, 9.10.03, M.B.R.; 3 exs., 18.0-26.0 mm. SL., F.7099, Kaligiri, 17.1.03, M.B.R.; 27 exs., 12.0-22.0 mm. SL., F.7110, Venad, 12.1.03, M.B.R.; 10 exs., 19.0-30.0 mm. SL., F.7130, Dakkili, 20.1.03, M.B.R.; 575 exs., 10.0-31.0 mm. SL., F.7142, Venad, 12.1.03, M.B.R.; 51 exs., 17.0-26.0 mm. SL, F. 7194, Venkatagiri, 19.1.03, M.B.R.; 1 ex., 11.0 mm. SL., F.7207, Udayagiri, 16.1.03, M.B.R.; 770 exs., 10.5-27.0 mm. SL., F.7215, Venad, 12.1.03, M.B.R.; 8 exs. 18.0-24.0 mm. SL., F.7477, Kovur, 7.10.03, M.B.R.; 5 exs., 18.0-25.0 mm. SL., F.7461, Saidapuram, 22.2.04, O.P.S.; 1 ex., 22.0 mm. SL., F.7508, Venkatagiri, Sri Kalahasthi, Chittoor, 25.2.04, O.P.S.; 2 exs., 16.0-18.0 mm SL., F.7517, Sri Kalahasthi, Lakshmipuram, 24.2.04, O.P.S.; 2 exs., 23.0-24.0 mm. SL, F.7534, Empedu, Kalahasthi, 25.2.04, O.P.S.; 34 exs., 15.0-22.0 mm. SL, F.7539, Parosalli, Sri Kalahasthi, 26.2.04, O.P.S.; 46 exs., 19.0-25.0 mm. SL., F.7562, Nellore Tank, High Way, 9.10.03, M.B.R.; 9 exs., 19.0-28.0 mm SL., F.7567, Pollur, 12.10.03, M.B.R.; 22 exs., 16.0-24.0 mm SL., F.7581, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : India. Widely distributed in eastern India.

*Elsewhere* : Bangladesh.

### 37. *Aplocheilus parvus* Sundara Raj

1916. *Panchax parvus* Sundara Raj, *Rec. Indian Mus.*, **12** : 268 (Type-locality : Madras).

1999. *Aplocheilus parvus*, Menon, *Check list-Freshwater Fishes of India*, P. 269-270.

*Material* : 7 exs., 20.0-27.0 mm. SL., F.7129, Dakkili, 20.1.03, M.B.R.; 1 ex., 18.0 mm. SL., F.7206, Udayagiri, 16.1.03, M.B.R.; 1 ex., 17.0 mm. SL., F.7214, Venad, 12.1.03, M.B.R.; 2 exs., 18.0-32.0 mm. SL., F.7464, Nellore Dam, 9.10.03, M.B.R.; 5 exs., 18.0-27.0 mm. SL., F.7478, Kovur, 7.10.03, M.B.R.; 13 exs., 16.0-23.0 mm. SL., F. 7459, Saidapuram, 22.2.04, O.P.S.; 2 exs., 23.0-28.0 mm. SL., F.7499, Dachur, Nellore, 22.2.04, O.P.S.; 1 ex., 28.0 mm. SL., F.7509, Venkatagiri, Sri Kalahasthi, 25.2.04, O.P.S.; 3 exs. 16.0-22.0 mm. SL., F.7516, Kalahasthi, Lakshmipuram, Chittoor, 24.2.04, O.P.S.; 2 exs., 23.0-24.0 mm. SL., F.7534, Empedu, Sri Kalahasthi, 25.2.04, O.P.S.; 1 ex., 28.0 mm. SL., F.7549, Rampur, 8.10.03, M.B.R.; 11 exs., 16.0-24.0 mm SL., F.7561, Nellore Tank, High Way, 9.10.03, M.B.R.; 1 ex., 25.0 mm. SL, F.7580, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : India : Peninsular India : Coromandal Coast.

*Elsewhere* : Sri Lanka.

### 38. *Aplocheilus panchax* (Hamilton)

1822. *Esox panchax* Hamilton-Buchanan, *Fishes of Ganges* : 211, 380, pl. 3, fig. 69 (Type-locality : Bengal).

1991. *Aplocheilus panchax*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 752-753.

*Material* : 1 ex., 36.0 mm. SL., F.7107, R.S. Puram, 16.1.03, M.B.R.

*Distribution* : India : Naturally in N. India; Andaman Islands.

*Elsewhere* : Bangladesh, Malayan Archipelago.

### 39. *Gambusia affinis* (Baird & Girard)

1853. *Heterandria affinis* Baird and Girard, *Proc. Acad. Nat. Sci. Philad.*, 6 : 390 (Type-locality : San Antonio river drainage, Texas).

1991. *Gambusia affinis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 756-758.

*Material* : 5 exs., 28.0-34.0 mm. SL., F.7162, Chittoor, Vittalam, 10.9.02, O.P.S.; 31 exs., 11.0-30.0 mm. SL., F.7230, Bakrapet, 13.9.02, O.P.S.; 2 exs., 11.5-16.0 mm. SL., Rampur, 20.1.03, M.B.R.; 1 ex., 28.0 mm. SL., F.7257, Empedu, 21.1.03, M.B.R.; 1 ex., 20.0 mm. SL., F.7518, Kalahasthi, Lakshmipuram, Chittoor, 24.2.04, O.P.S.

*Distribution* : South eastern United States of America. Introduced into India.

### 40. *Poecilia reticulata* (Peters)

1859. *Poecilia reticulata* Peters, *K. Preussischen Akad. Wiss.*, Berlin : 412 (Type-locality : Venezuela).

1991. *Poecilia reticulata*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 758-759.

*Material* : 4 exs., 12.0-26.0 mm. SL., F.7174, Etari Ganga, Mellur, Chittoor, 7.9.02, O.P.S.; 1 ex., 36.0 mm. SL., Chittoor, Vittalam, 10.9.02, O.P.S.; 671 exs., 9.0-30.0 mm. SL., F.7188,



Balijapalle, Chittoor, 5.9.02, O.P.S.; 2850 exs., 8.5-32.0 mm. SL., F.7209, Doracharu, Palmaner, 5.9.02, O.P.S.; 5 exs., 13.0-25.0 mm. SL., F.7229, Kavali, Nellore, 23.9.02, O.P.S., 6 exs., 14.0-20.0 mm. SL., F.7460, Saidapuram, 22.2.04, O.P.S.

*Distribution* : Originally from Tropical America. Introduced into India.

#### 41. *Chanda nama* Hamilton

1822. *Chanda nama* Hamilton-Buchanan, *Fishes of Ganges* : 109, 371, pl. 39, fig. 37 (Type-locality : Ponds throughout Bengal).

1991. *Chanda nama*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 799-800.

*Material* : 151 exs., 18.0-31.0 mm. SL., F.7560, Nellore Tank, High Way, 9.10.03, M.B.R.; 9 exs., 18.0-31.0 mm. SL., F.7979, Buchinayudu Kandriga, 16.10.03, M.B.R.; 35 exs., 16.0-31.0 mm. SL., F.7117, Pellekuru, 23.1.03, M.B.R.; 1 ex., 19.0 mm. SL., F.7133, Dakkili, 20.1.03, M.B.R.; 14 exs., 22.0-48.0 mm. SL., F.7474, Kovur, 7.10.03, M.B.R.; 3 exs., 20.0-40.0 mm. SL., F.7481, Renigunta, 15.10.03, M.B.R.; 1 ex., 38.0 mm. SL., F.7440, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 2 exs., 18.0-31.0 mm. SL., F.7551, Kavali, 7.10.03, M.B.R.; 1 ex., 22.0 mm. SL., F.7553, Pulicat Pond, 11.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Nepal, Pakistan, Myanmar.

#### 42. *Parambassis lala* (Hamilton)

1822. *Chanda lala* Hamilton-Buchanan, *Fishes of Ganges* : 114, pl. 21, fig. 39 (Type-locality : Gangetic Provinces).

1991. *Pseudambassis lala*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : P 804.

*Material* : 16 exs., 22.0-25.0 mm. SL., F.7466, Nellore Dam, 9.10.03, M.B.R.

*Distribution* : India : Brahmaputra, Ganga and Mahanadi basin.

*Elsewhere* : Myanmar : Irrawaddy.

#### 43. *Parambassis ranga* (Hamilton)

1822. *Chanda ranga* Hamilton-Buchanan, *Fishes of Ganges* : 113, 371, pl. 16, fig. 38 (Type-locality : freshwaters of all parts of Gangetic Provinces).

1999. *Parambassis ranga*, Jayaram, *The Freshwater Fishes of the Indian Region* : 370-371.

*Material* : 2 exs., 21.0-22.0 mm. SL., F.7134, Dakkili, 20.1.03, M.B.R.; 1 ex., 19.0 mm. SL., F.7510, Venkatagiri, Kalahasthi, Chittoor, 25.2.04, O.P.S.; 1 ex., 18.0 mm. SL., F.7537, Empedu, Kalahasthi, 25.2.04, O.P.S.; 31 exs., 19.0-21.0 mm. SL., F.7540, Parosalli, Sri Kalahasthi, 26.2.04, O.P.S.

*Distribution* : India.

*Elsewhere* : Bangladesh, Malaysia, Thailand, Myanmar, Pakistan.

44. *Etroplus maculatus* (Bloch)

1785. *Chaetodon maculatus* Bloch, *Syst. Ichth.* : pl. 427, fig. 2 (Type-locality : India).

1991. *Etroplus maculatus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 885.

*Material* : 9 exs., 18.0-48.0 mm. SL., F.7535, Empedu, Kalahasthi, 25.2.04, O.P.S.; 4 exs., 18.0-43.0 mm. SL., F.7131, Dakkili, 20.1.03, M.B.R.; 1 ex., 17.0 mm. SL., F.7205, Udayagiri, 16.1.03, M.B.R.; 4 exs., 18.0-25.0 mm. SL., F.7469, Nellore Dam, 9.10.03, M.B.R.; 9 exs., 29.0-33.0 mm. SL., F.7428, Kwalaghata, Nellore, 21.2.04, O.P.S.; 13 exs., 28.0-47.0 mm. SL., F. 7435, Varadee Eru, Nellore, 21.2.04, O.P.S.; 32 exs., 29.0-40.0 mm. SL., F.7444, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 3 exs., 32.0-32.5 mm. SL., F.7451, Kammavaripalam, Nellore, 21.2.04, O.P.S.; 2 exs. 25.0-49.0 mm. SL., F.7501, Dachur, Nellore, 22.2.04, O.P.S.; 3 exs., 29.0-31.0 mm. SL., F.7511, Venkatagiri, Kalahasthi, Chittoor, 25.2.04, O.P.S.

*Distribution* : Peninsular India.

*Elsewhere* : Sri Lanka.

45. *Oreochromis mossambica* (Peters)

1852. *Chromis (Tilapia) mossambicus* Peters, *Montab. Akad. Wiss., Berlin* : 681 (Type-locality : Mozambique).

1991. *Oreochromis mossambica*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 887-888.

*Material* : 2 exs., 48.0-68.0 mm. SL., F.7427, Kwalaghata, Nellore, 21.2.04, O.P.S.; 1 ex., 55.0 mm. SL., F.7502, Dachur, Nellore, 22.2.04, O.P.S.; 2 exs., 13.0-15.0 mm. SL., Tulukamandi, Chittoor, 29.2.04, O.P.S.; 1 ex., 39.0 mm. SL., F.7568, Pollur, 12.10.03, M.B.R.; 5 exs., 28.0-44.0 mm. SL., F.7584, Buchinayudu Kandriga, 16.10.03, M.B.R.; 2 exs. 18.0-18.5 mm. SL, Tada Estuary, 13.1.03, M.B.R.; 18 exs., 35.0-105.0 mm. SL., F.7254, Rampur, 20.1.03, M.B.R.; 4 exs., 16.0-18.0 mm. SL., Empedu, 21.1.03, M.B.R.; 3 exs. 60.0-67.0 mm. SL., F.7525, Pallamala, Sri Kalahasthi, 26.2.04, O.P.S.; 1 ex., 48.0 mm. SL., F.7468, Nellore Dam, 9.10.03, M.B.R.; 3 exs., 10.0-30.0 mm. SL., Duttaluru, 18.1.03, M.B.R.; 79 exs., 19.0-40.0 mm. SL., F.7112, Venad, 12.1.03, M.B.R.; 7 exs., 15.0-28.0 mm. SL., F.7132, Dakkili, 20.1.03, M.B.R.; 23 exs., 18.0-29.0 mm. SL., Venad, 12.1.03, M.B.R.; 5 exs., 25.0-108.0 mm. SL., F.7163, Chittoor, Vittalaram, 10.9.02, O.P.S.; 39 exs. 33.0-100.0 mm. SL, F.7173, Etari Ganga, Melur, Chittoor, 7.9.02, O.P.S.; 25 exs., 12.0-21.0 mm. SL., F.7195, Venkatagiri, 19.1.03, M.B.R.; 1 ex., 33.0 mm. SL., F.7210, Doracharu, Palmaner, 5.9.02, M.B.R.; 200 exs., 17.5-49.0 mm. SL., F.7211, Venad, 12.1.03, M.B.R.; 1 ex., 39.0 mm. SL., F.7228, Kavali, Nellore, 23.9.02, O.P.S.

*Distribution* : Widely introduced in India.

*Elsewhere* : Bangladesh, Pakistan, Sri Lanka, East Africa to Natal.

46. *Oreochromis niloticus* (Linnaeus)

1757. *Labrus niloticus* Linnaeus in Hasselquist, *Iter. Palae t.* p. 346.

1999. *Oreochromis niloticus*, Rema Devi and Raghunathan, *Rec. Zool. Surv. India* : 97(1) : 163-177.

*Material* : 2 exs., 49.0-50.0 mm. SL., F.7467, Nellore Dam, 9.10.03, M.B.R.

*Distribution* : Natural range includes Nile basin, Rift Valley lakes and certain West African rivers. Introduced into India in West Bengal around 1988.

#### 47. *Glossogobius giuris* (Hamilton)

1822. *Gobius giuris* Hamilton-Buchanan, *Fishes of Ganges* : 51, pl. 33, fig. 15 (Type-locality : Gangetic Provinces).

1991. *Glossogobius giuris*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 936.

*Material* : 1 ex., 94.0 mm. SL., F.7103, Duttaluru, 18.1.03, M.B.R.; 13 exs., 20.0-51.0 mm. SL., F.7121, Pellekuru, 23.1.03, M.B.R.; 1 ex., 67.0 mm. SL., F.7250, Akkuriti, 25.1.03, M.B.R.; 4 exs., 30.0-66.0 mm. SL., F.7426, Kwalaghata, Nellore, 21.2.04, O.P.S.; 2 exs., 31.0-58.0 mm. SL., F.7432, Varadee Eru, Nellore, 21.2.04, O.P.S.; 6 exs. 26.0-41.0 mm. SL, F.7441, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.; 4 exs., 40.0-50.0 mm. SL., F.7449, Kamavaripalam, Nellore, 21.2.04, O.P.S.; 2 exs., 63.0-97.0 mm SL., F.7500, Dachur, Nellore, 22.2.04, O.P.S., 1 ex., 60.0 mm. SL., F. 7583, Buchinayudu Kandriga, 16.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka. It has a wide range of distribution from the East Coast of Africa to Japan, Australia and South Pacific.

#### 48. *Pseudogobius javanicus* (Bleeker)

1856. *Gobius javanicus* Bleeker, *Natuurk, Tijdschr. Ned.-Indie*, **11** : 88 (Type-locality : Java).

1953. *Stigmatogobius javanicus* Koumans, *Fish. Indo. Australian Arch.*, **10** : 122.

1984. *Pseudogobius javanicus*, Masuda *et al.*, *The Fishes of the Japanese Archipelago*, p. 268, pl. 247-S.

*Material* : 46 exs., 12.0-17.5 mm. SL., F.7141, Venad, 12.1.03, M.B.R.; 36 exs., 14.0-20.0 mm. SL., F.7212, Venad, 12.1.03, M.B.R.

*Distribution* : India.

*Elsewhere* : Through the East Indies to the Philippines and Australia.

#### 49. *Colisa lalia* (Hamilton)

1822. *Trichopodus lalius* Hamilton-Buchanan, *Fishes of Ganges* : 120, 372 (Type-locality : Gangetic Provinces).

1991. *Colisa lalia*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 1007.

*Material* : 2 exs., 28.0-29.0 mm. SL., F.7465, Nellore Dam, 9.10.03, M.B.R.; 1 ex., 23.0 mm. SL., F.7443, River Ram Kalwa, Rampur, Nellore, 21.2.04, O.P.S.

*Distribution* : India : Ganga, Yamuna river systems.

*Elsewhere* : Pakistan : Punjab, Sind. Bangladesh. It is widely distributed in Southern India (Ranjit Daniels, 2002).

### 50. *Channa orientalis* (Schneider)

1801. *Channa orientalis* Bloch and Schneider, *Syst. Ichth.* : 496, pl. 90, fig. 2 (Type-locality : India).

1991. *Channa orientalis*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 1019-1020.

*Material* : 15 exs., 20.0-43.0 mm. SL., F.7185, Malapalla, Chittoor, 9.9.02, O.P.S.; 1 ex., 85.0 mm. SL., F.7429, Kwalaghata, Nellore, 21.2.04, O.P.S.

*Distribution* : Throughout India.

*Elsewhere* : Afghanistan, Bangladesh, Borneo, Iran, Malaysia, Myanmar, Nepal, Pakistan, Sri Lanka, Thailand.

### 51. *Channa punctatus* (Bloch)

1793. *Ophiocephalus punctatus*, Bloch, *Naturges. ausland. Fische*, (7) : 139, pl. 358 (Type-locality : rivers and lakes of Coromandel coast.)

1991. *Channa punctatus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 1020-1021.

*Material* : 2 exs., 55.0-85.0 mm. SL., F.7512, Venkatagiri, Sri Kalahasthi, Chittoor, 25.2.04, O.P.S.; 2 exs., 35.0-42.0 mm. SL., F.7519, Kalahasthi, Lakshmipuram, Chittoor, 24.2.04, O.P.S.; 1 ex., 25.0 mm. SL., Tulukamandi Chittoor, 29.2.04, O.P.S.; 6 exs., 30.0-112.0 mm. SL., F.7536, Empedu, Sri Kalahasthi, 25.2.04, O.P.S.; 1 ex., 37.0 mm. SL., F.7541, Parosalli, Sri Kalahasthi, 26.2.04, O.P.S.; 3 exs. 42.0-55.5 mm. SL., F.7552, Pulicat Pond, 11.10.03, M.B.R.; 1 ex., 45.0 mm. SL., F.7582, Buchinayudu Kandriga, 16.10.03, M.B.R.; 5 exs., 28.0-48.0 mm. SL., F.7462, Saidapuram, 22.2.04, O.P.S.; 11 exs. 37.0-65.0 mm. SL., F.7503, Dachur, Nellore, 22.2.04, O.P.S.; 5 exs., 35.0-110.0 mm. SL., F.7100, Kaligiri, 17.1.03, M.B.R.; 7 exs., 30.0-83.0 mm. SL., F.7108, R.S.Puram, 16.1.03, M.B.R.; 1 ex., 95.0 mm. SL., F.7120, Pellekuru, 23.1.03, M.B.R.; 1 ex., 35.0 mm. SL., F.7135, Dakkili, 20.1.03, M.B.R.; 1 ex., 46.0 mm. SL., F.7235, Tada Pond, 13.1.03, M.B.R.; 2 exs., 71.0-72.0 mm. SL., F.7470, Nellore Tank, 9.10.03, M.B.R.; 1 ex., 55.0 mm. SL., F.7476, Kovur, 7.10.03, M.B.R.

*Distribution* : Throughout India.

*Elsewhere* : Afghanistan, Bangladesh, China, Malaysia, Myanmar, Nepal, Pakistan, Polynesia, Sri Lanka.

### 52. *Macrogathus aral* (Bloch & Schneider)

1801. *Rhynchobdella aral* Bloch & Schneider, *Syst. Ichth.* : 479, pl. 89 (Type-locality : Tranquebar, Tamil Nadu).

1991. *Macrogathus aral*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 1026.

*Material* : 1 ex., 159.0 mm. SL., F.7111, Venad, 12.1.03, M.B.R.

*Distribution* : India.

*Elsewhere* : Bangladesh, Myanmar, Nepal, Pakistan, Sri Lanka.

### 53. *Macragnathus pancalus* Hamilton

1822. *Macragnathus pancalus* Hamilton-Buchanan, *Fishes of Ganges* : 30, 364, pl. 22, fig. 7, (Type-locality : Tanks of Gangetic Provinces).
1991. *Macragnathus pancalus*, Talwar and Jhingran, *Inland Fishes of India and Adjacent Countries*, Vol. II : 1027-1028.

*Material* : 1 ex., 101.0 mm. SL., F.7452, Kammavaripalam, Nellore, 21.2.04, O.P.S.

*Distribution* : India.

*Elsewhere* : Bangladesh, Pakistan.

## DISCUSSION

Nellore & Chittoor districts of Andhra Pradesh are drained by the River Pennar. It is worthwhile to mention here that late Shri T. Venkateswarlu Scientist D, made a thorough survey and study of the Fishes of Pennar during 1983-1986. The manuscript comprising 86 species is pending publication. A recent survey and report on fishes of Andhra Pradesh by Barman (1993) details 158 species. The present collection includes 53 species from Chittoor and Nellore Districts with 9 additional records (Rema Devi *et al.*, 2005).

## SUMMARY

The study on a collection of fish from Chittoor and Nellore District has yielded 53 species under 16 families and 8 orders of which nine species *viz.*, *Ehirava fluviatilis* Deraniyagala, *Aristichthys nobilis* (Richardson), *Esomus thermoicos* (Valenciennes), *Rasbora cf. labiosa* Mukerji, *Puntius bimaculatus* (Blkr.), *Puntius fraseri* Hora & Misra, *Oreochromis niloticus* (Linnaeus), *Parambassis lala* (Ham.), *Colisa lalia* (Ham.), have been reported recently by the authors as additional records to the state of Andhra Pradesh.

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