

NOTE XVII.

FISHES FROM THE BRANTAS-RIVER, JAVA,

BY

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In January of this year the collections of the Leyden Museum were increased by 21 fishes from the mouth of the Brantas-river, East Java, collected by Mr. J. Moll. I will give here an enumeration of the species, a total of 11, together with the corresponding material in our Museum.

I must return many thanks to Professor Max Weber at Amsterdam for his kind assistance in the determination.

1. *Gobius giuris* Ham. Buch.

Günther, Cat. of Fishes, T. III, p. 21.

Day, Fishes of India, p. 294, pl. 66, fig. 1.

N° 5201¹⁾. 4 Ex. Length 95, 113, 135 and 162 mM.

For Museum material see N. L. M. 1894, p. 150.

2. *Osphronemus trichopterus* (Pall.).

Günther, Cat. of Fishes, T. III, p. 384.

Bleeker, Atlas Ichthyologique, T. IX, tab. 395, fig. 4.

Bleeker, Mémoire sur les Poissons à pharyngiens labyrinthiformes, p. 21. Verh. Kon. Ak. Wet. Amst., T. XIX, 1878.

N° 5202. 1 Ex. Length 93 mM. Outer ray of ventral fin 66 mM.

Mus. mat. N° 1596. 4 Ex. Sumatra. Coll. S. Müller.

N° 1597. 2 Ex. Coll. v. Swinderen, 1844.

1) Number of the bottle in the Museum-collection.

- N° 1598. 6 Ex. Borneo. Coll. Schwanner, 1846.
- N° 1599. 3 Ex. Borneo. Coll. S. Müller.
- N° 1600. 2 Ex. Java. Coll. Kuhl and v. Hasselt.
- N° 1601. 1 Ex. Java, Krawang.
- N° 1604. 1 Ex. Batavia. Coll. Bleeker.
- N° 1932. 3 Ex. South Sumatra, Soekadana. Coll. J. C. v. Hasselt, 1883. Very distinct brown-edged ocelli on the vertical fins; a zig-zag black band from the mouth to the cauda, where it ends in a distinct black spot. This diagnosis corresponds with that of Bleeker's *Trichopus Leerii* (Günther's var. γ).
- N° 5212. 169 Ex. East Indian waters. Coll. Bleeker. Length 35—107 mM. All the specimens with a black spot on the middle of the side, another on the root of the caudal fin (Günther's var. α).

3. *Ophiocephalus striatus* Bl.

- Cuvier et Valenciennes, Hist. nat. des Poissons, 4° Ed., T. VII, pp. 313 and 318.
- Günther, Cat. of Fishes, T. III, p. 474.
- Day, Fishes of India, p. 366.

- N° 5203. 1 Ex. Length 222 mM. Four entire and two half scales between the anterior part of the dorsal fin and the lateral line.
- Mus. mat. N° 1658. 1 Ex. Java. Coll. Kuhl and v. Hasselt?

- N° 1659. 1 Ex. Malay Archipelago. Berlin Museum, 1843.
 N° 1660. 1 Ex. Batavia. Coll. Bleeker.
 N° 2188. 1 Ex. Pontianak.
 N° 5213. 44 Ex. East Indian waters. Coll. Bleeker. Length 49—450 mM.
 N° 5221. 1 Ex. Burma. Coll. L. Fea, 1893.

Besides this material in spirits there are in the collection of mounted fishes three good preserved specimens of *Ophiocephalus striatus*, length 330, 370 and 555 mM. These are the types of *O. planiceps* Kuhl and v. Hasselt (Cuv. & Val., T. VII, p. 318). Valenciennes states that *O. planiceps* is »extrêmement ressemblant aux précédens, surtout par les »dents latérales d'en bas. Sa différence la plus sensible consiste dans une autre disposition dans les rugosités des »écailles". His description of the scales of *O. stratus* Bl. is quite applicable to those of *O. planiceps*, while, moreover, in the roughness of the scales of one and the same animal a slight difference may be observed.

The specimen sub N° 1658 is probably collected by Kuhl and v. Hasselt, though Valenciennes has not mentioned it.

4. *Rhynchobdella aculeata* (Bl.).

Günther, Cat. of Fishes, T. III, p. 540.

Day, Fishes of India, p. 338, pl. 72, fig. 1.

N° 5204. 3 Ex. Length 171, 190 and 222 mM.

Mus. mat. N° 1349. 4 Ex. Java. Coll. Kuhl and v. Hasselt.

N° 2990. 1 Ex. Moulmein. Coll. F. Day, 1876.

N° 5214. 9 Ex. Malay Archipelago. Coll. Bleeker.

N° 5222. 3 Ex. Burma. Coll. L. Fea, 1893.

5. *Mastacembelus unicolor* K. & v. H.

Cuvier et Valenciennes, Hist. nat. des Poissons,
4° Ed., T. VIII, p. 333.

Günther, Cat. of Fishes, T. III, p. 542.

Day, Fishes of India, p. 339, pl. 72, fig. 3.

N° 5205. 6 Ex. Length 111—161 mM. In one of these specimens nearly no trace of the light coloured spots can be observed, in two others most of them are flowing together so as to form a long streak.

Mus. mat. N° 1354. 2 Ex. Java. Coll. Kuhl and v. Hasselt. Types of the species. One of them (108 mM.) shows some remainders of the spots, the other not at all.

N° 5215. 32 Ex. Malay Archipelago. Coll. Bleeker. Length 43—485 mM. Besides the more or less distinctness of the spots and their confluence into streaks, we observe in this series a variation in the coloration of the dorsal and anal fin: in some examples the dark basal streak is interrupted at regular intervals by the yellow colour of the margin.

6. *Macrones micracanthus* (Blkr.).

Bleeker, Atlas Ichth., T. II, p. 59, tab. 74, fig. 3.

Günther, Cat. of Fishes, T. V, p. 76.

N° 5206. 1 Ex. Length 106 mM., longest barbel 63 mM.

Mus. mat. N° 2947. 1 Ex. Java, Krawang. Coll. S. Müller.

N° 2948. 1 Ex. Java. Coll. K. and v. H.

N° 2963. 1 Ex. Java. Coll. K. and v. H.

N° 3009. 1 Ex. Java. Coll. Kuhl and v. Hasselt¹⁾.

N° 5216. 29 Ex. Borneo, Sumatra, Java. Coll. Bleeker. Typical specimens. Length 57—150 mm.

7. *Osteochilus microcephalus* C. V.

Bleeker, Atlas Ichth., T. III, p. 66, tab. 112, fig. 1.
Günther, Cat. of Fishes, T. VII, p. 43.

N° 5207. 1 Ex. Length 102 mm.

Mus. mat. N° 5011. 2 Ex. S. Sumatra, Soekadana. Coll. J. C. v. Hasselt, 1883.

8. *Barbus armatus* C. V.

Bleeker, Atlas Ichth., T. III, p. 84, tab. 125, fig. 1.
Günther, Cat. of Fishes, T. VII, p. 111.

N° 5208. 1 Ex. Length 168 mm. (caudal fin mutilated).

Mus. mat. N° 2502. 1 Ex. Java. Coll. Kuhl and v. Hasselt. Type of the species, mentioned by Cuvier and Valenciennes. Length 200 mm. (C. V. 7 $\frac{1}{2}$ pouces).

N° 2503. 3 Ex. Java, Krawang. Coll. S. Müller.

N° 5217. 11 Ex. Java, Sumatra. Coll. Bleeker.

9. *Barbus javanicus* Blkr.

Bleeker, Atlas Ichth., T. III, p. 96, tab. 138, fig. 1.
Günther, Cat. of Fishes, T. VII, p. 118.

1) Though Kuhl and v. Hasselt collected three specimens of this species, it seems that they have been overlooked by Valenciennes during his residence at Leyden, as he does not mention a species agreeing with *M. micracanthus*.

- N° 5209. 1 Ex. Length 112 mM. (caudal fin mutilated).
Mus. mat. N° 5218. 19 Ex. Java. Coll. Bleeker. Typical specimens. Length 108—305 mM.

10. *Barbichthys laevis* (C. V.).

Bleeker, Atlas Ichth., T. III, p. 49, tab. 119, figs. 1 and 2 (nec *Labeobarbus leptocheilus* Mus. Lugd. Bat.).
Günther, Cat. of Fishes, T. VII, p. 158.

- N° 5210. 1 Ex. Length 165 mM. Though the mouth is mutilated, I feel sure of the correctness of my determination, the breadth of the suborbital bones being a sufficient specific character.

Mus. mat. N° 2442. 1 Ex. Java, Krawang. Coll. S. Müller.

N° 2443. 1 Ex. Borneo. Coll. S. Müller.

N° 2531. 1 Ex. Java. Coll. Kuhl and v. Hasselt. Type of *Dangila lipocheilus* C. V. Length 220 mM. (C. V. 8 pouces).

N° 5219. 33 Ex. Borneo, Sumatra, Java. Coll. Bleeker. Length 75—190 mM.

11. *Acanthopsis choerorhynchus* (Blkr.).

Bleeker, Atlas Ichth., T. III, p. 9, tab. 1, fig. 3.

Günther, Cat. of Fishes, T. VII, p. 365.

Day, Fishes of India, p. 608, pl. 155, fig. 1.

- N° 5211. 1 Ex. Length 112 mM.

Mus. mat. N° 4977. 5 Ex. Sumatra. Coll. Bleeker. Typical specimens. Length 101—176 mM.

N° 5220. 1 Ex. Burma. Coll. L. Fea, 1893.

Leyden, December 1894.