

THE TYPES OF TRICHIURIDAE AND GEMPYLIDAE IN THE
LEIDEN MUSEUM

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PREPARING for the recent symposium on Scombroid fishes, at Mandapam Camp, a paper on the 'Scombroid' types in the collections of the Leiden Museum, I stated that the delimitation of the 'Scombroid' fishes is liable to considerable variation in modern systematic literature, while I chose a moderately extensive interpretation. Still, for the subsequent publication in the symposium's Proceedings, it proved advisable to restrict the paper to the principal groups, excluding the Trichiuridae and Gempylidae.

Therefore, I gratefully accept the opportunity, kindly provided by the Editor of the present Journal, Mr. P. R. Sadasivan Tampi, to separately publish here the short account on the types in the Leiden Museum collections pertaining to the omitted groups.

For more extensive general information, I refer to the introduction in my paper on the Scombroids *sensu strictiore*:—Scombroid types in the Leiden Museum collection—, to be published in the Proceedings of the aforementioned symposium at Mandapam Camp. All holotypes and lectotypes are figured on the accompanying plates.

Suborder SCOMBROIDAE

Family TRICHIURIDAE

Genus *Trichiurus* Linné

Trichiurus glossodon Bleeker, 1860, *Acta Soc. Indo-Néerl.*, Batavia, vol. 8, p. 38.

Lectotype: reg. no. 6031, coll. Dr. P. Bleeker (auction 1879), Indo-Australian arch. (Java, Sumatra, Singapore, Bintang, or Borneo; now restricted to Soengaidoeri, western Borneo), 453+mm., in spirits. (Fig. 1)

Paratypes: reg. no. 24086, coll. Dr. P. Bleeker (auction 1879), Indo-Australian arch. (Java, Sumatra, Singapore, Bintang, or Borneo), 3 ex., 226-406 mm., in spirits.

Remarks: Bleeker established the present species after he had received one or more examples from Mr. J. W. Roelandt, who collected for him near 'Soengaidoeri' (latinized 'Sungi-duri'), a locality situated on the westernmost shore of Borneo. Apparently, Bleeker compared this material with the specimens of *Trichiurus savala* Cuvier available in his collections, finding some of the latter wrongly identified and identical with *glossodon*, which accounts for the additional localities

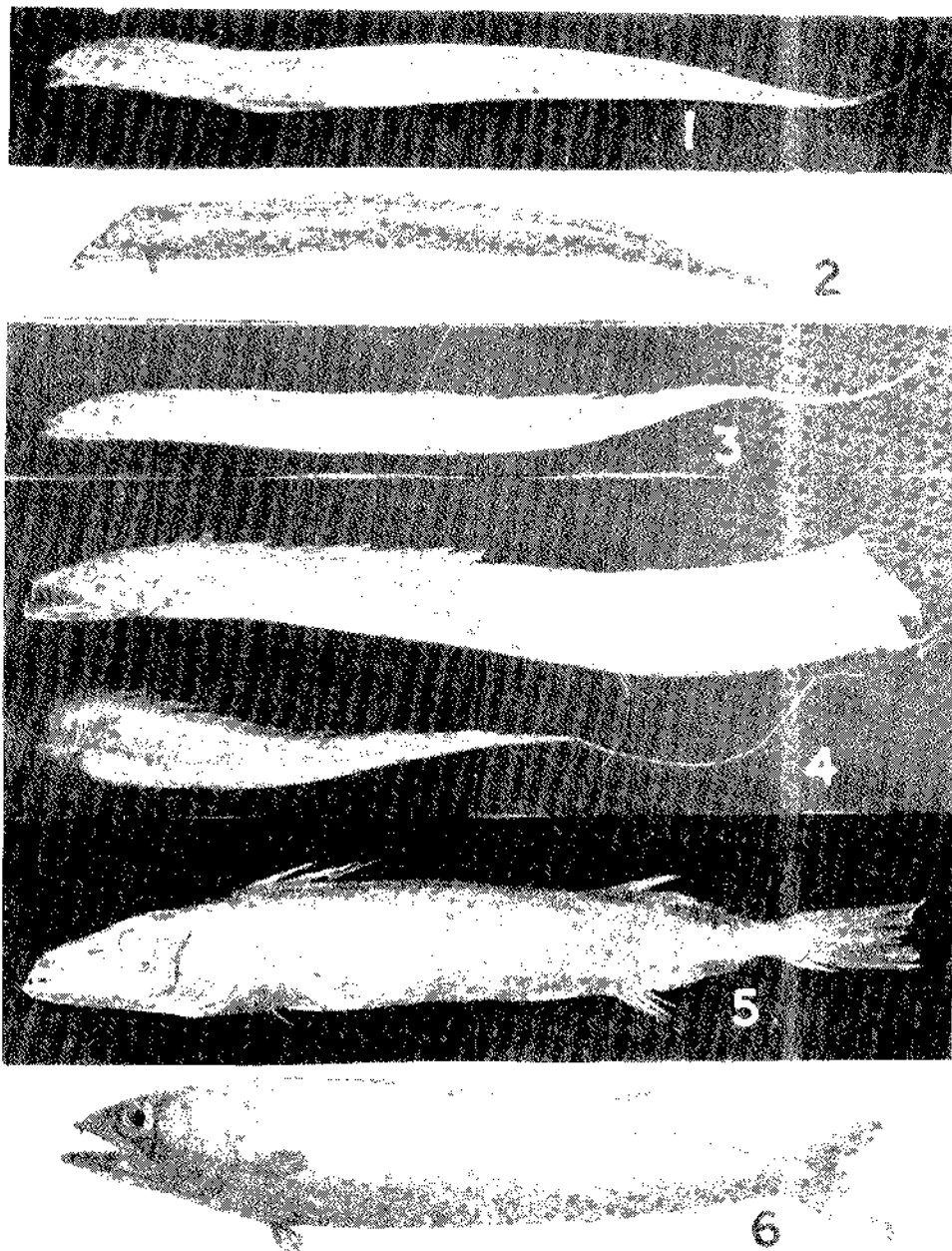


FIG. 1. *Trichurus glossodon* Bleeker, reg. no. 6031, 353 mm., lectotype.
FIG. 2. *Trichurus lepturus japonicus* Temminck and Schlegel, reg. no. 2040, 950 mm., lecto-
type.
FIG. 3. *Trichurus lator* Bleeker, reg. no. 6030, 223 mm., holotype.
FIG. 4. *Trichurus rochandi* Bleeker, reg. no. 6032, 435-450 mm., holotype.
FIG. 5. *Hirastys pinnatooides* Bleeker, reg. no. 6033, 145 (170-?) mm., holotype.
FIG. 6. *Rovettus temminckii* Cantuaine, reg. no. 2378, 1230 (1360) mm., lectotype.

mentioned above. Therefore, it seems reasonable to restrict the type locality to only Soengaidoeri.

All specimens are in fairly good condition.

Trichiurus lepturus japonicus Temminck & Schlegel, 1844, Faun. Jap., Pisces, Leiden, p. 102, pl. 54.

= *Trichiurus japonicus* Temminck & Schlegel, 1844.

Lectotype: reg. no. 2040, coll. H. Bürger, Japan (probably near Nagasaki, possibly Shimabara bay), 950 mm., stuffed. (Fig. 2)

Paratypes: reg. no. 1496, coll. Ph. F. von Siebold, Japan, 2 ex., 615 & 620 mm., in spirits; reg. no. 1497, coll. Ph. F. von Siebold, Japan, head only, 120 mm., in spirits.

Remarks: I already published the type selection in 1947 (Zool. Meded., Leiden, vol. 28, p. 97). The condition of the stuffed lectotype is, for a specimen preserved this way, reasonably good; the paratypes are in excellent condition.

Trichiurus lajor Bleeker, 1854, Nat. Tijdschr. Ned.-Ind., vol. 7, p. 248.

= *Trichiurus haumela* (Forsk.), 1775, cf. de Beaufort, 1951, p. 196.

Holotype: reg. no. 6030, coll. Dr. P. Bleeker (auction 1879), Menado (Celebes), 223 mm., in spirits. (Fig. 3)

Remarks: de Beaufort (l.c.) refers to the typical specimens, but Bleeker evidently never had more than the single original example, which is the only one in the Leiden collection. According to Bleeker, the present specimen was collected by C.W.F. Mogk. Its condition is good.

Trichiurus roelandti Bleeker, 1860, Acta Soc. Indo-Nêrl., Batavia, vol. 8, p. 35.

= *Trichiurus savala* Cuvier, 1829, cf. de Beaufort, 1951, p. 193.

Holotype: reg. no. 6032, coll. Dr. P. Bleeker (auction 1879), Soengaidoeri, western Borneo, 435+450 mm., in spirits. (Fig. 4)

Remarks: this specimen is in a rather bad condition, broken into two parts, but definitely still useful for scientific research. It has been collected near Soengaidoeri by Mr. J. W. Roelandt, after whom Bleeker named it.

Family GEMPYLIDAE

Genus *Rexea* Walte

Thyrstes prometheoides Bleeker, 1856, Acta Soc. Indo-Nêrl., Batavia, vol. 1, p. 42.

= *Rexea prometheoides* (Bleeker), 1856, cf. de Beaufort, 1951, p. 201.

Holotype : reg. no. 6033, coll. Dr. P. Bleeker (auction 1879), Amboina, 145 (170+)mm., in spirits. (Fig. 5)

Remarks : the specimen is still in a good condition, with only the caudal tips slightly mutilated. According to Bleeker, the total length should be 173 mm.

Genus *Ruvettus* Cocco

Rovetus temminckii Cantraine, 1833, Giorn. sci. etc., Pisa (reference copied from Cantraine, 1835, Mem. Acad. Sci., Bruxelles, vol. 10, pp. 1-19, pls.).

= *Ruvettus pretiosus* Cocco, 1833.

Lectotype : reg. no. 2378, coll. F. J. Cantraine, Sicily, 1230 (1360) mm., stuffed. (Fig. 6)

Paratype : reg. no. 2335, coll. F. J. Cantraine, Sicily, 920 (1015) mm., stuffed.

Remarks : in Cantraine's 1835 plate, scale 1/6, the standard length is 205 mm., making an actual length exactly in accordance with our lectotype. Both examples, though stuffed, are in a very good condition, with only the caudal tips slightly damaged.

Additional notes to Trichiuridae & Gempylidae

Though I did not especially look for topotypes, I incidentally found examples belonging to the following species :

Lepidopus caudatus (Euphr.), reg. no. 77, coll. H. B. van Horstok, Cape of Good Hope, skeleton.

Trichiurus muticus Gray [= *Eupleurogrammus muticus* (Gray)], reg. no. 1499, coll. F. Day, Madras, in spirits ; unless the original locality 'India' (Günther, 1860, Cat. Fish., vol. 2, p. 348) has already been restricted otherwise.

Thyrsites atim (Euph.), reg. no. 1245, coll. H. B. van Horstok, Cape of Good Hope, in spirits ; reg. no. 2244, coll. H. B. van Horstok, Cape of Good Hope, stuffed ; reg. no. 2762, coll. Dr. P. Bleeker (auction 1879), Cape of Good Hope, dried out specimen in bad condition ; reg. no. 2812, coll. H. Kuhl and J. C. van Hasselt, Cape of Good Hope, stuffed.