

STUDIES IN ICHTHYOLOGY.

No. 7.*

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(Plates XI-XV and Figures 1-4.)

Family **DASYATIDAE.**

To the Parliamentary Report of the Marine Department of Queensland for 1902-3, the late Dr. Jas. R. Tosh contributed an appendix¹ which is of importance to students of our marine biology. It is entitled "Notes on the Habits, Development, Etc., of The Common Food Fishes of Moreton Bay," and is illustrated by twelve plates. These depict stingrays, mullets, and various other fishes, and show the development of the eggs of the mullet, bream, blackfish (*Girella*), and others. All the species have been included in the Queensland List,² but Tosh left a few without specific names, thus:

Dasyatis sp. The common brown stingray. *Op. cit.*, p. 19, pl. iv, fig. 3.

Heteroscarus sp. (?) *Op. cit.*, p. 20, pl. vi, fig. 3, and

Neopercis sp. *Op. cit.*, p. 20, pl. vii, fig. 4.

The stingray is evidently *Dasyatis fluviorum* Ogilby, though this species is not a true *Dasyatis*³ as there is a fold, not a keel, below the tail, and would be better regarded as the orthotype of a new genus.

Toshia gen. nov.

Orthotype *Dasyatis fluviorum* Ogilby.⁴

Disc with spines and tubercles, especially on scapular region. Tail elongate, more than twice the length of the disc, with a fold above and below. One or two dorsal spines, but no rays. Seven buccal papillae.

These characters sufficiently distinguish *Toshia* from *Dasyatis* as defined by Garman.⁵

Toshia fluviorum grows to a width of about one foot and, as its name implies, is a river-inhabiting species. The trawlers bring to light from the continental

* For No. 6, see Records of the Australian Museum, vol. xviii, No. 6, 1932, p. 321.

¹ Appendix No. 7, 1903, pp. 17-24, pls. i-xii. Govt. Printer, Brisbane.

² McCulloch and Whitley, Mem. Qld. Mus. viii, 2, 1925, pp. 125-182.

³ Rafinesque, Ind. itt. Sicil., May, 1810, p. 49 (*vide* Sherborn, Ind. Anim.), Type *D. ujo* Rafinesque=
Raja pastinaca Linné (*vide* Jordan, Gen. Fish.).

⁴ Ogilby, Proc. Roy. Soc. Qld. xxi, 1908, p. 6; figured by McCulloch, Biol. Res. Endeavour iii, 1915, p. 103, pl. xvi, fig. 1.

⁵ Garman, Mem. Mus. Comp. Zool. Harv. xxxvi, 1913, p. 375.