

*Holothuria fusco-coerulea*, n. sp.

Ventral pedicels and dorsal papillæ. Deposits like those in *Holothuria flavo-maculata* above described. Tentacles twenty-nine.

*Habitat*.—Tahiti (Mus. Holm.).

The species is certainly closely allied to *Holothuria flavo-maculata*, but is distinguished by the uncommon number of tentacles and the shape of the ambulacral appendages. Body cylindrical. Anus round, with five pairs of small papillæ. The ambulacral appendages are small, of almost equal size, and more thinly scattered; the dorsal ones are obviously of a conical form, while the ventral are cylindrical. Anteriorly, and still more posteriorly on the ventral surface, conical papillæ are placed. The tentacles are surrounded by a brim of papillæ. The figure drawn by Semper, turned upside down, gives a very correct idea of the shape of the tables. The elongate, cylindrical or fusiform, densely knobbed or spinous bars closely resemble those in Semper's species. The conical papillæ are strengthened by a very rudimentary terminal plate and some slightly curved and spinous rods, which sometimes have the ends slightly branched or perforated. The pedicels possess a comparatively large terminal plate, and a number of irregularly perforated elongate plates. Besides these deposits, the pedicels and papillæ contain numerous crowded tables and spinous rods of the same kind as those in the body-wall itself. There are two long slender Polian vesicles and three madreporic canals. Colour—blackish, inclining to bluish tentacles light brownish or yellowish; pedicels and papillæ yellowish-brown.

2. *In addition to tables with a simple annular disk or with a more or less well-developed perforated one, simple or branched rods but no plates.*