

E. Deposits—Tables together with Buttons.

I. Ambulacral appendages—pedicels alone ; or pedicels on the ventral surface and papillæ on the dorsal, the latter being often very like the former.

1. *Buttons smooth, oval or elongate, nearly always with three pairs of holes, exceptionally with more or fewer. Spire of the tables as a rule made up of four rods and one transverse beam ; exceptionally more rods and beams present.*

a. Disks of the tables smooth, without spines on the margin. Number of tentacles typical, twenty.

(1) *Ventral pedicels arranged in three more or less distinct longitudinal series.*

Holothuria monacaria (Psolus), Lesson, 1830; Jæger, 1833. *Holothuria flammea*, Quoy and Gaimard, 1833. *Holothuria fusco-punctata*, Quoy and Gaimard, 1833. *Holothuria fasciola*, Quoy and Gaimard, 1833. *Stichopus flammeus*, Brandt, 1835. *Stichopus gyrifer*, Selenka, 1867 and 1868. *Labidodemas leucopus*, Haacke, 1880 (according to Ludwig, 1883).

The dorsal papillæ arranged in four indistinct longitudinal rows. The rounded disk of the tables with a central hole surrounded by from four to twelve peripheral holes. The spire terminates in about twelve teeth or more. The oval smooth symmetrical buttons with three or four pairs of holes.

Habitat.—Zanzibar (Selenka), Querimba (Semper), Mauritius (Haacke, Ludwig), Nicobar Islands, Philippine Islands, Navigator Islands, Pulo Tikul, and Amboina (Semper), Sandwich Islands (Selenka), Society Islands (Semper, Selenka, Lesson), New Ireland and Vanikoro (Quoy and Gaimard), Australia (Selenka, Semper), Waygeeo (Ludwig), Celebes (Ludwig), Molucca Islands (Semper), Borabora (Lesson).

(Mus. Holm.) Two specimens from unknown locality, and one 110 mm. long from Pelew Islands. Professor Möbius of Kiel has also kindly sent me a small specimen, about 45 mm. long, dredged at Mauritius. In the small specimen from Mauritius, which is probably young, the pedicels are placed in three double or alternating rows on the ventral surface, an arrangement which is not so distinct in the remaining forms. Even the small dorsal papillæ do not always seem to be placed in very distinct rows. Colour of the smaller specimen—auburn, with the ventral surface, the papillæ, and a space round them paler. The large specimen from Pelew is dirty yellowish-white, speckled with brown or greenish-brown on the back. Mouth surrounded by some small papillæ. The disks of the tables are slightly undulated on the margin. The symmetrical or slightly-