

HOLOTHURIA (BOHADSCHIA) WHITMÆI, sp. nov. (Plate XLV. fig. 4.)

This is a large *Holothuria* with a stellate anus, and deposits not irregular rosettes, but stout basket-like knobbed bodies.

The body is flattened (in spirit); no dorsal papillæ or suckers; the ventral surface is thickly packed with suckers. Mouth ventral

anus distinctly five-rayed, with several hard papillæ along each ray, which look almost like the "teeth" of *Actinopyga*. The body-wall is pretty thick, and, in the specimen dissected, was for 30 millim., at a distance of 40 millim. from the anterior end, particularly thick.

It is impossible, from the condition of the specimen, to describe fully the internal anatomy, but the tentacular ampullæ were seen to be long, the œsophageal ring to be moderately developed, the radial pieces having a deep anterior notch. The Cuvierian organs are small or absent.

The spicules are numerous, very thick, basket-like spheres with small holes and prominent knobs (Plate XLV. fig. 4).

Colour black.

The two specimens measure respectively 240 millim. by 100 millim. and 185 millim. by 95 millim.

*Hab.* Samoa. Collected and presented by Rev. S. J. Whitmee.

#### HOLOTHURIA (BOHADSCHIA) INERMIS, sp. nov.

A species distinguished by the absence of spicules and calcareous ring.

Body elongated, tapering somewhat at either end; suckers very thick in trivium, scattered and much rarer in bivium; three indistinctly marked trivial rows; about the middle of the trivium the suckers less closely packed than at either end. Anus five-rayed, the sides of the rays with papillæ.

Twenty black tentacles; pharynx quite devoid of œsophageal ring; no calcareous deposits.

Colour dark brown, the suckers and tentacles still darker.

*Hab.* West Indies.

In order to retain the general form of the single complete specimen, I have not made a complete dissection; fortunately, however, there is an anterior end of a second specimen, and by it I have been able to assure myself that the absence of the calcareous ring is not an individual peculiarity.

