

one at the angle of the mouth slit; they are pentagonal, with an angle inward; lateral and inner lateral sides straight; outer side slightly curved. Tentacle scales on second and third plates small, circular, and situated at the inner corners. Side arm plates swollen, forming the entire covering of the arm beyond the last under arm plate, with the exception of minute upper arm plates, which are triangular, with an angle within. Disk covered with closely soldered plates; in the centre of the upper surface is a pentagonal plate, surrounded by five rudely hexagonal, which are connected with the radial shields by plates somewhat longer than broad, between each pair of which are large angular scales. Radial shields shaped like a rounded pear seed, much swollen, touching at their middle point, but diverging outward and inward, separated on either side of the point of contact by a small triangular scale; on the interbrachial disk margin is an angular, much swollen plate, joining three of similar character, which, with the genital scales, cover the under surface of the interbrachial space; at the base of the arm above are three small rounded scales. Arm spines two, minute, blunt, and set low down on the edge of the side arm plate. Colour in alcohol, white.

Amboyna; 100 fathoms.

*Ophiomusium lunare*, Lym. (Pl. I. figs. 13-16).

*Ophiomusium lunare*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 116, pl. i. figs. 4-6, 1878.

Most of the lower interbrachial space outside the mouth shield is occupied by broad genital scales and a great central plate. No under arm plates beyond the third. Two minute arm spines set back from edge of side arm plate. Only one lower interbrachial plate. No upper arm plates beyond second.

(Type specimen from Station 219.) Diameter of disk 7 mm. Width of arm, without spines, close to disk 1.5 mm. Length of arm about 20 mm. Mouth papillæ seven on each side, with one, somewhat larger than the rest, at the angle of the jaw. Mouth shields large, pentagonal, with an acute angle within, and outer side straight; length to breadth 1.5 : 1. Side mouth shields large, long triangular; sides slightly curved, with narrow ends touching within. Genital scales long, with interbrachial side curved, starting at the inner corner of the genital opening and touching the radial shields with their outer ends. Under arm plates pentagonal, with an angle inward, and outer side slightly curved; there are only two besides the small one at the outer end of mouth slit. Side arm plates thick, composing the entire covering of the arm, with the exception of the minute triangular upper arm plate, which has an angle inward, and outer side curved, and disappears on the second or third joint. The disk is rather flat, covered with microscopically tuberculated plates, well soldered together; the margin is occupied by one large plate, touching the radial shields on either side, and extending below to the mouth shields; the centre is