

*Ophiopyren brevispinus*, Lym. (Pl. XII. figs. 1-3).

*Ophiopyren brevispinus*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 133, pl. vii. figs. 173-175, 1878.

Three very short, blunt arm spines. Mouth shields longer than broad, pentagonal.

(Type specimen from Station 173.) Diameter of disk 3·8 mm. Width of arm without spines 1 mm. Thirteen or fourteen mouth papillæ to each angle, of which the outer one on each side is much the largest, and the rest are short and square, except the one at the apex, which is more pointed. Mouth shields longer than broad, pentagonal, with long pointed angle within; length to breadth ·8 : ·5. Side mouth shields squarish and very short, widely separated by inner angle of mouth shield. First under arm plate much broader than long, of an irregular oval form; second plate as long as broad, pentagonal, with a blunt angle inward; third plate similar, but with a sharper angle within; those beyond grow proportionately longer, and become gradually wedge-shape, with a truncated angle inward. Each plate is apparently divided in two parts, the inner one more or less diamond-shaped, the outer made up of the remainder of the plate. Upper arm plates four-sided, somewhat wider without than within, lateral sides straight, outer side slightly curved. Side arm plates not swollen, meeting neither above nor below. Disk flat and round, covered above and below with minute granules, about a dozen in the length of a millimetre. In lower interbrachial space on the side mouth shield next the genital opening are three minute grain-like papillæ. Radial shields small, partially covered by granulation, closely joined and much rounded within; just outside them is a row of large granules. Genital opening long, extending from side of mouth shield to edge of disk; genital scale hidden by granulation. Two short round tentacle scales on the second under arm plate; beyond, only one. Three very short, blunt, pointed arm spines, arranged evenly along the outer edge of the side arm plate. Colour in alcohol, white.

Station 173.—July 24, 1874; off Matuka Bay, Fiji; lat. 19° 10' S., long. 179° 40' E.; 300 fathoms; coral.

*Ophiopyren longispinus*, Lym. (Pl. XII. figs. 4-6; Pl. XXXIX. figs. 4-6).

*Ophiopyren longispinus*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 134, pl. vii. figs. 176-178, 1878.

Three slender arm spines, as long as an arm joint. Mouth shields wide, heart-shaped, broader than long.

(Type specimen from Station 33.) Diameter of disk 4·5 mm. Width of arm, without spines, close to disk 1 mm. Fifteen or sixteen mouth papillæ to each angle, of which the outer one, on either side, stands on the side mouth shield, is larger than and separated from the others, and is sharp and curved; the rest are small, squarish, and close, except the one at the apex, which is sharp and longer. Mouth shields broader than long, three-