

*Ophioglypha fraterna*, Lym. (Pl. VIII. fig. 6).

*Ophioglypha fraterna*, Lym., Bull. Mus. Comp. Zool., vol. v., part 7, p. 81, pl. iv. fig. 112, 1878.

Five very minute, blunt arm spines, which often are rubbed off or naturally wanting. Disk smooth and flat, with scales, radial shields, and mouth shields all small, and obscured by skin. No arm comb.

(Type specimen from Station 157.) Diameter of disk 23·5 mm. Width of arm close to disk 3·7 mm. Mouth papillæ short, squarish, closely jointed together, seven or eight on each side, diminishing in size inward, with three pointed and longer at apex of jaw. Mouth shield small, broader than long, pentagonal, with outer edge rounded and an obtuse angle within; length to breadth 3 : 3. Side mouth shields occupying the inner angle of the mouth shield, and passing beyond it; narrower without than within, where they meet. First under arm plate much broader than long, with outer edge curved; second plate six-sided, with inner laterals longest; beyond the disk they are very broad triangular, with long sharp lateral angles, an obtuse angle inward, and the outer side curved. Often the lateral corners are broken off, and form separate pieces. Side arm plates broad, not swollen, meeting below beyond the disk; separated above by the upper arm plates, which are broader than long, and broader without than within, having the outer edge wavy. Disk high and irregularly arched, covered above and below with a thick skin, which almost entirely obscures the fine disk scales and the radial shields, which may be recognised as small, oval, smooth patches near the disk margin, on either side of the arm. Along the edge of the genital opening is a row of minute, closely-jointed, squarish papillæ, which extend only to the margin of the disk, the arm comb being absent. Five very minute, blunt arm spines, three situated low on the edge of side arm plate and two above. Often they are rubbed off, and there seem to be none. Tentacle scales of the mouth tentacles similar to mouth papillæ and on one side, closely continuous with them; on the first pair there are four or five scales on each side; on the second five or six on each side; just outside the disk there are four scales on the inner side, and none on the other; and a short distance beyond there are no scales. Colour in alcohol, light grey.

It differs from *Ophioglypha loveni* in wanting an arm comb, and in having the disk scales and radial shields obscured by skin.

Station 157.—March 3, 1874; lat. 53° 55' S., long. 108° 35' E.; 1950 fathoms; diatom ooze.