

Royal Sound, Kerguelen Islands; 25 to 28 fathoms. Balfour Bay, Kerguelen Islands; 20 to 60 fathoms. Off Christmas Harbour, Kerguelen Islands; 120 fathoms.

*Ophioglypha ambigua*, Lym. (Pl. VIII. figs. 4, 5).

*Ophioglypha ambigua*, Lym., Bull. Mus. Comp. Zool., vol. v., pt. 7, p. 79, pl. ii. figs. 47, 48, 1878.

Four short, blunt, peg-like arm spines, three together, low down, and one higher up. Papillæ of arm comb short, close set, and squarish. Disk scales of moderate size, thick and swollen. Very small, narrow side mouth shields.

(Type specimen from Royal Sound, Kerguelen.) Diameter of disk, 13.5 mm. Width of the arm close to disk 2.5 mm. Mouth papillæ short, blunt, tooth-like, and close set, five on each side, similar to and continuous with the tentacle scales of the mouth tentacles, with a larger, longer, and pointed one at angle of jaw. Mouth shield pentagonal, with outer edge rounded, lateral sides notched, and a blunt angle inward; length to breadth 3:2. Side mouth shields short, just meeting within and slightly wider at their outer end. First under arm plate large, rudely diamond-shaped, with outer and inner angles rounded; the next two or three plates four sided, wider without than within, with outer side curved and re-entering curves on lateral sides; further out they become pentagonal, much broader than long, with an angle inward. Side arm plates short and thick, not meeting below till some distance from the disk; widely separated above by upper arm plates, much broader than long, arched, wider without than within, outer edge curved, inner edge re-enteringly curved. Disk thick and angular, covered with thick, closely soldered, irregularly shaped plates, among which the primaries may be distinguished, but not very clearly. Radial shields small, irregularly triangular, with angles rounded, widely separated by one large and two or three small scales; length to breadth 2:1.5. Genital plates short, beginning opposite fourth under arm plate and widening rapidly outward; along the free edge is a row of fine, short, square, close-set papillæ, extending as an unbroken line upward to form the arm comb. Four short, blunt, and tooth-like arm spines, three in a cluster, close to edge of tentacle pores, and one a little separated above; farther out the four make a continuous group. Tentacle pores large; those of the mouth tentacles have five short, rounded scales on the interbrachial side and four on the other; the next pair, six on one side and five on the other; thence they diminish till some distance beyond the disk, where there is but one tentacle scale, similar to and continuous with the arm spines. Colour in alcohol, light grey.

It is near *Ophioglypha brevispina*, from which it differs in having one more arm spine, and an arm comb of close-set, square papillæ, instead of pointed ones.

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