

Ophiactis cuspidata, Lym. (Pl. XX. figs. 10–12).

Ophiactis cuspidata, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 38., 1879, pl. xiii. figs. 359–361.

Disk scaling coarse, and with few or no spines. Three or four stout, blunt, tapering arm spines. Two or three mouth papillæ on each side. Teeth lobed.

(Type specimen from Station 170.) Diameter of disk 5 mm. Length of arm 25 mm. Width of arm close to disk 1.3 mm. Two large, broad, flat mouth papillæ on each side, whereof the outer one is larger. Seven or eight large, flat teeth, of a very wide heart shape, and having a little lobe, or peak, within. Mouth shields broader than long, wide heart shape, or transverse diamond shape, with rounded angles; length to breadth .6 : .8. Side mouth shields stout, slightly curved, rather broad, meeting within, where they have a rounded end. First under arm plate stout and rather large, wider within than without, and having re-enteringly curved lateral sides. The plates beyond are shield shaped, widest without, and having a somewhat obtuse angle within. Outer side curved, lateral sides re-enteringly curved. Side arm plates stout, nearly meeting above and below, and having a well-marked spine crest. Upper arm plates broader than long, of a wide, transverse diamond shape, with the outer angle much rounded. Disk thick and covered above with large, rather swollen scales, whereof there are three lines in each interbrachial space; in the centre are six large, somewhat angular, primary plates, separated by single lines of much smaller angular scales; the lower interbrachial space is covered with fine, thickened scales, from five to eight in the length of 1 mm. Radial shields blunt pear-seed shape, swollen; nearly or quite separated by a wide wedge of two or three scales. Along margin of disk are a few small, peg-like spines. Four stout, smooth, tapering, regular arm spines, the upper one longest; lengths to that of a lower arm plate 1.7, 1.1, .7 : .6. One stout, nearly oval tentacle scale. Colour in alcohol, pale grey.

Station 170.—July 14, 1874; lat. 29° 55' S., long. 178° 14' W.; 520 fathoms.
Station 171.—July 15, 1874; lat. 28° 33' S., long. 177° 50' W.; 600 fathoms.

Ophiactis nama, Lym. (Pl. XX. figs. 16–18).

Ophiactis nama, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 38, pl. xiii. figs. 350–352, 1879.

Disk scales coarse, and set with numerous short spines. Radial shields short and triangular. Four stout, cylindrical, tapering arm spines. One mouth papilla on each side. Five arms.

(Type specimen from Station 174.) Diameter of disk 6 mm. Length of arm about 45 mm. Width of arm near disk 2.2 mm. One large, wide, flat mouth papilla at base of mouth angle on each side, and one (which may be called the lowest tooth) at the apex; this last is broad and rounded, with a minute peak within. Mouth shields of a much rounded, transverse diamond shape; length to breadth 8 : 1.1. Side mouth shields stout,