

plate, 1,·8,·7,·7 : ·5. One stout, oval tentacle scale. Colour in alcohol, grey mottled with pale brown.

Station 164a.—Lat. 34° 19' S., long. 151° 31' E.; 400 fathoms; grey ooze.

*Ophiactis poa*, Lym. (Pl. XX. figs. 13–15).

*Ophiactis poa*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 40, pl. xiii. figs. 356–358, 1879.

Disk scales coarse and thick, with large radial shields; no spines except a few near the margin. Four rather long and slender arm spines, the upper one longest. Two mouth papillæ on each side.

Diameter of disk 5 mm. Length of arm about 30 mm. Width of arm near disk 1 mm. on each side of the short narrow mouth angle are two rather large, squarish, flat papillæ, of which the outer one is broader; at the apex is usually a very small heart-shaped papilla, similar in shape to the larger teeth above it. Mouth shields much wider than long, of a rounded transverse heart shape; the inner sides a little re-enteringly curved. Side mouth shields of nearly equal width, meeting broadly within. Under arm plates wide shield shaped, bounded without by a broad curve, within by an obtuse or truncated angle, and on the lateral sides by re-entering curves. Side arm plates nearly meeting above and below, not very wide, but projecting, in a well-marked spine crest. Upper arm plates broader than long, fan shaped with an obtuse angle inward. Disk covered with coarse, overlapping scales; those below regular and smaller, about four in the length of 1 mm.; those above much larger and more irregular; in the centre an irregular rosette of large, rounded plates, and in each interbrachial space about three radiating rows of elongated scales. The disk margin is sparsely set with small peg-like spines. Radial shields large, of an angular pear-seed shape, separated wholly by a narrow wedge of two or three scales; length to breadth 1·5 : 1. Four slender, cylindrical tapering arm spines, the uppermost longest; lengths to that of an under arm plate 1·2, ·8, ·8, ·8 : ·5. One large, oval tentacle scale. Colour in alcohol, pale grey.

Off Tristan d'Acunha; 1000 fathoms. Off Tristan d'Acunha; 500 fathoms. Both Station 135.—October 16, 17, 18, 1873; rock, shells.

*Ophiactis canotia*, Lym. (Pl. XIX. figs 16–18).

*Ophiactis canotia*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 40, pl. xiii. figs. 353–358, 1879.

Disk scales larger in centre, where primary plates may be distinguished in a rosette; no spines, or only an occasional minute one on the margin. Three or four rather long and tapering arm spines. Two mouth papillæ on each side.

(Type specimen from Station 73.) Diameter of disk 5·5 mm. Length of arm about 17 mm. Width of arm near disk 1·8 mm. Two flat, rather large, squarish mouth papillæ on each side of the narrow mouth angle, and one at the apex, similar in form to the teeth,