

shape, nearly touching without, separated within by an oval of five scales; length to breadth, 2.5 : 1. Scaling on lower interbrachial space finer than that above. Three rather slender, bluntly pointed, tapering, cylindrical arm spines, a little longer than an arm joint, well up on the outer edge of side arm plates. Tentacle pores large, but without a scale. Colour in alcohol, pale grey.

Station 198.—October 20, 1874; lat. 2° 55' N., long. 124° 53' E.; 2150 fathoms; red clay.

*Amphilepis tenuis*, Lym.

*Amphilepis tenuis*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 35, pl. xvi. figs. 432-434, 1879.

One minute tentacle scale. One mouth papilla on each side (sometimes broken in two). Radial shields short and wide, and joined for half their length.

(Type specimen from Station 237.) Diameter of disk 4 mm. Width of arm close to disk, without spines, .7 mm. One wide, pointed, somewhat bent mouth papilla high up on each side of the mouth angle, and a pair, short, thick, and rounded, at the apex. Mouth shields small, twice as broad as long, of a transverse diamond shape, with rounded angles. Side mouth shields three sided, short and swollen, wider without, tapering rapidly within, where they scarcely meet. Under arm plates broad pentagonal; with a short angle within, outer side nearly straight, and laterals slightly curved. The first plate is large and of a truncated wedge form. Side arm plates meeting broadly above and nearly touching below. Upper arm plates twice as broad as long, of a nearly semi-circular outline, with the curve inward. Disk flat and angular, covered with very thin scales; in centre of the disk is a rosette of six large ill-defined primary plates, each nearly surrounded by minute scales. Radial shields short, wide pear-seed shaped, joined for the outer half of their length, narrowly separated within by a wedge of small scales. Scaling on interbrachial space below much finer than that above. Three short, cylindrical, bluntly-pointed arm spines. One minute, rounded tentacle scale, which easily falls off. Colour in alcohol, faint greenish-grey.

Station 237.—June 17, 1875; lat. 34° 37' N., long. 140° 32' E.; 1875 fathoms; mud.

*Ophionema*.

*Ophionema*, Ltk., Addit. ad Hist., part 3, 1869.

Disk, small, delicate, and a little puffed; and having long, slender, even arms. Its skin is quite naked, and its only solid parts are long, very narrow, parallel radial shields above, and genital scales below. The mouth angles are short and small, as in *Amphiura*, and bear four small papillæ, whereof two are below the teeth. Four or five small, regular arm spines. Two genital openings in each interbrachial space.