

Disk rather thick, and slightly lobed, covered above and below with small rather thin overlapping scales, among which the primaries are scarcely to be distinguished; those near the margin and underneath are finest, being nine or ten in 1 mm. long. Radial shields long, narrow and pointed within; length to breadth 2 : .7; they are separated their whole length by a narrow wedge composed of scales longer than those of the neighbouring disk. Four moderately stout, cylindrical, tapering arm spines, of equal lengths, and somewhat longer than the arm joints. Two minute rounded tentacle scales, one on the side arm plate, the other on the under arm plate. Colour in alcohol, very pale brown.

The young of this species has sometimes only one tentacle scale,

Station 232.—May 12, 1875; lat. 35° 11' N., long. 139° 28' E.; 345 fathoms; sandy mud. Station 174 (var. ?).—August 3, 1874; lat. 19° 10' S.; long. 178° 10' E.; 210 to 610 fathoms; globigerina ooze. Station 236.—June 5, 1875; lat. 34° 58' N., long. 139° 30' E.; 420 to 775 fathoms; mud.

*Amphiura otteri*, Ljn., Dr. Goës, Oph. Öf. Kong. Akad., p. 631, 1871.

Station 76.—July 3, 1873; lat. 38° 11' N., long. 27° 9' W.; 900 fathoms; globigerina ooze. Station 45.—May 3, 1873; lat. 38° 34' N., long. 72° 10' W.; 1240 fathoms; mud. Station 78.—July 10, 1873; lat. 37° 24' N., long. 25° 13' W.; 1000 fathoms; globigerina ooze. Station 50.—May 21, 1873; lat. 42° 8' N., long. 63° 39' W.; 1250 fathoms; grey ooze.

I have not much question that this is Ljungman's *Amphiura otteri* which has some variety as to size and curve of spines. The unique originals of this and many other species were, with great kindness, lent me by Professor Lovén; and Dr. G. O. Sars showed a similar generosity.

*Amphiura studeri*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 32, 1879.

*Amphiura antarctica*, Studer, Monatsb. König. Akad. Berlin, p. 461, 1876.

Station 151.—February 7, 1874; off Heard Island; 75 fathoms; mud. Off Marion Island; 50 to 75 fathoms. Station 145.—December 27, 1873; off Prince Edward's Island; lat. 46° 40' S., long. 37° 50' E.; 310 fathoms (young). Off Prince Edward's Island; 85 to 150 fathoms. Royal Sound, Kerguelen Island; 28 fathoms. Balfour Bay, Kerguelen Island; 20 to 60 fathoms.

As I have combined *Amphipholis* with *Amphiura*, Professor Studer's name has become a duplicate to (*Amphipholis*) *antarctica*, Ljn. I take, therefore, the liberty of giving it the name of its discoverer, who kindly identified these specimens by his own.

*Amphiura incana*, Lym. (Pl. XXXIII. figs 5-7; Pl. XLVI. fig. 5).

*Amphiura incana*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 20, pl. xi. figs. 285-287, 1879.

Disk scaled on both sides. Two tentacle scales. Radial shields narrow, about three