

collected, is a very characteristic and common invertebrate in about 5 fathoms of water on a bottom of sandy mud in the vicinity of Bernard harbour, Dolphin and Union strait. There is here a rich algal flora consisting of *Laminaria* and other Fucoideæ, *Delesseria* and other Florideæ, green-thread algae, etc., constituting a *Laminaria* zone, and the dominating dark-brown colour of the algae influences the colour of the holothurians, some of which are dorsally, or even entirely, dark brown instead of the normal and typical transparent flesh-colour.

Many of the specimens collected contained well-developed embryos.

ECHINODERMA ASTORADIATA.

Class OPHIUROIDEA.

Order CHILOPHIURIDA.

Family OPHIOLEPIDIDÆ.

Stegophiura nodosa (Lütken)

Station 20g. Port Clarence, Alaska; 2-3 fathoms; sandy grey mud with algae (thread algae, *Laminaria*, etc.); August 4, 1913.

Twelve specimens, of which the largest has the disc 10 mm. in diameter and the arms 25 mm. long, and the smallest has the disc 3 mm. in diameter and the arms 5.5 mm. long.

Mr. Johansen records that in life these were red dorsally.

Station 23. Northeast of Icy Cape, Alaska (70° 24' N., 161° 25' W.); 9-10 fathoms; mud and pebbles; August 19, 1913.

Four specimens, of which the largest is 10 mm. across the disc, with arms 16 mm. long.

Station 41c. Outer harbour at Bernard harbour, Northwest Territories; 3-8 fathoms; grey mud with *Laminaria* and *Delesseria*; July 28, 1915.

Ten specimens; the largest has the disc 9 mm. in diameter and the arms 19 mm. long, and the smallest has the disc 1.7 mm. in diameter and the arms 2.6 mm. long.

Mr. Johansen states that in life these were rose colour, darkest dorsally, with the dorsal surface of the disc purplish.

Ophiozea robusta (Ayres)

Station 43c. West of Cockburn point, Dolphin and Union strait, Northwest Territories; 20-30 metres; grey mud, with many stones and algae (*Laminaria*, *Delesseria*, and *Lithothamnion*); September 14, 1915.

Ten specimens, of which the largest has the disc 11 mm. in diameter; another has the disc 10 mm. in diameter and the arms 41 mm. long.

These vary much in colour, some being as dark, with as strongly contrasting white markings, as any from Kamehatka (*maculata* of Ludwig), while others are an almost uniform brownish grey.

Mr. Johansen writes that in life these showed a faint to strong contrast of black and grey spots and bands, and that the colours are well preserved in alcohol.

Ophiocten sericeum (Forbes)

Station 43a. Off Cockburn point, Dolphin and Union strait; about 50 fathoms; sandy mud with pebbles, and no algae; September 13, 1915.