

*Ophiothrix nereidina*, Müll & Tr., Syst. Ast., p. 115, 1842.

*Ophiura nereidina*, Lmk., Hist. Anim. sans Vert., vol. ii. p. 554, 1816.

Samboangan, Philippine Islands ; 10 fathoms.

*Ophiothrix berberis*, Lym. (Pl. XXI. figs. 1-4).

*Ophiothrix berberis*, Lym., Bull. Mus. Comp. Zool., vol. vi., part 2, p. 52, pl. xv. figs. 425-428, 1879.

Seven short, blunt, much flattened, strongly toothed arm spines. Radial shields and interbrachial spaces below nearly or quite naked. Rest of disk set with short stumps bearing a crown of thorns.

(Type specimen from Station 192.) Diameter of disk 9 mm. Width of arm near disk 2.5 mm. Length of arm about 58 mm. The vertical oval has about seventeen stout, blunt, nearly equal tooth papillæ, whereof the marginal ones are scarcely longer than those in the middle. Three squarish, rather thin teeth. Mouth shields broader than long, with an obtuse angle inward and a gentle curve without; length to breadth, 1 : 1.5. Side mouth shields rather narrow, slightly swollen, wider without than within, where they scarcely meet. First under arm plate unusually large, nearly equalling the second, squarish, with rounded corners and an obtuse angle within. The plates increase in size to the seventh, which is broader than long, bounded without by a wide curve, and within by a truncated angle; length to breadth, .7 : 1.1. Side arm plates furnished with a low thick spine ridge. Upper arm plates transverse diamond shaped, overlapping, having outer angle rounded and inner one truncated; length to breadth, .7 : 1.4. Disk rather flat, lobed in the interbrachial spaces, which, below, are nearly naked, as are the radial shields, while the remainder of the upper disk is densely covered with short, minute stumps, each bearing a crown of three or four thorns, or, rarely, a fork of two longer thorns. Radial shields long triangular, just touching without, diverging gently inward; length to breadth, 2.7 : 1.7. Seven, short, blunt, much flattened arm spines, bearing strong thorns on their edges; the second one is longest, and those below grow gradually shorter; lengths to that of an under arm plate, 2.3, 3.5, 2.5, 2.2, 1.7, 1.5, .7 : .7. One minute tentacle scale. Colour in alcohol, above, disk pale greenish-grey, arms of a faint pink.

Station 192. September 26, 1874; lat. 5° 42' S., long. 132° 25' E.; 129 fathoms; mud. Station 209.—January 22, 1875; Cebu, Philippines; lat. 10° 10' N., long. 123° 55' E.; 95 to 100 fathoms; mud.

*Ophiothrix martensi*, Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 234, pl. iv., figs. 9-10, 1874.

August 7, 1874; 6 fathoms.