

arm plate, and standing at right angles to the arm; the middle spine is stoutest. Large tentacle pores, but no tentacle scales. Colour in alcohol, disk grey, arms straw.

Station 141.—December 17, 1873; lat. 34° 41' S., long. 18° 36' E.; 98 fathoms; sand and gravel.

Amphiura squamata, Sars. *Ophiolepis (Amphiura) squamata*, Sars, Mid. Lit. Fauna, p. 84, 1857; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 121; Ludwig, Echin. des Mittelmeeres, p. 549.

Ophiura elegans (?), Leach, Zool. Misc., vol. ii. p. 59, 1815.

Asterias squamata, Delle Chiaje, Mem., vol. iii. p. 77, 1828.

Ophiura neglecta, Johnston, Mag. Nat. Hist., p. 467, 1835.

Ophiolepis squamata, Müll. & Tr., Wieg. Archiv, vol. vi. p. 328; Syst. Ast., p. 92.

Ophiocoma neglecta, Fbs., Brit. Starfishes, p. 30.

Ophiolepis tenuis, Ayr., Proc. Bost. Soc. Nat. Hist., vol. iv. p. 133, 1851.

Amphiura tenuis, Lym., Proc. Bost. Soc. Nat. Hist., vol. vii. p. 194.

Amphiura elegans, Norm., Biology "Valorous" Cruise, Proc. Roy. Soc. Lond., vol. xxv. p. 215.

Ophiura moniliformis, Grube, Aktin. Echin. u. Wür., p. 18, 1840.

Amphipholis elegans, Ltk., Vid. Meddel., p. 140, 1871.

Amphipholis kinbergi, Ljn., Dr. Goës, Oph. Öf. Kong. Akad., p. 646, 1871.

Amphipholis appressa, Ljn., Dr. Goës, Oph. Öf. Kong. Akad., p. 647, 1871.

Amphiura tenera, Ltk., Addit. ad Hist., part. 2, p. 124, pl. iii., 1859; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 123.

Amphipholis lineata, Ljn., Dr. Goës, Oph. Öf. Kong. Akad., p. 634, 1871.

Menschnikoff¹ describes a curious low worm, *Rhopalura* of the family *Orthonectidæ*, whose cysts sometimes fill the body cavity of *Amphiura squamata*, and take the place of ovaries, which disappear. I have never encountered this parasite.

Station 141.—December 17, 1873; lat. 34° 41' S., long. 18° 36' E.; 98 fathoms; sand and gravel. Station 163.—April 4, 1874; lat. 36° 56' S., long. 150° 30' E.; 120 fathoms. Such diverse localities further prove the cosmopolite nature of this species.

Amphiura duplicata, Lym. (Pl. XVII. figs. 10–12).

Amphiura duplicata, Lym., Ill. Cat. Mus. Comp. Zool., No. viii., part 2, p. 19, pl. v. fig. 78, Outline fig. 87; Bull. Mus. Comp. Zool., vol. v., part 9, p. 226.

Station 56.—May 29, 1873; off Bermudas; 1075 fathoms; grey ooze.

Quite common in less depths throughout the West Indies. *Amphiura duplicata* is somewhat variable; and, especially, the first under arm plate is not always broken in two. Numerous specimens from the second "Blake" Expedition show usually only three arm spines; three and often four irregular mouth papillæ on each side, and disk scales varying in thickness.

¹ Zeitschr. f. Weissen. Zool., vol. liii. part 2, p. 282, 1881.