

Ophiomyxa flaccida, Ltk. (Pl. XLIII. figs. 1-3); Addit. ad Hist., part 2, p. 138, pl. v. fig. 1, 1859; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 178, pl. ii. figs. 18-19; VII. Trans. Conn. Acad., vol. i., part 2, p. 366; Lym., Bull. Mus. Comp. Zool., vol. v., part 9, p. 233.

Ophiura flaccida, Say, Journ. Phil. Acad., vol. v. p. 151, 1825.

Ophiomyxa caribæa, Ltk., Vid. Meddel., p. 10, 1856.

Bahia; 7 to 20 fathoms.

Station 36.—April 23, 1873; off Bermudas; 32 fathoms; mud.

Ophiomyxa australis, Ltk., Addit. ad Hist., part 3, p. 99, 1869.

Station 161.—April 1, 1874; off Entrance to Port Philip; 38 fathoms; sand. St. Paul's Rocks; 100 fathoms. Station 162.—April 2, 1874; off East Monceur Island, Bass Strait; 38 to 40 fathoms; sand. Station 163.—April 4, 1874; off Twofold Bay; lat. 36° 56' S., long. 150° 30' E.; 120 fathoms. Station 172.—July 22, 1874; off Nukualofa, Tongatabu; 18 to 240 fathoms; coral. Station 173.—July 24, 1874; lat. 19° 10' S., long. 179° 40' E.; 310 to 315 fathoms; coral. Station 167.—June 24, 1874; lat. 39° 32' S., long. 171° 48' E.; 150 fathoms; grey ooze. Station 201.—October 26, 1874; lat. 7° 3' N., long. 121° 48' E.; 82 to 102 fathoms. Amboyna; 100 fathoms; stones and gravel.

Ophiomyxa vivipara, Studer, Monatsb. d. König. Akad. Berlin, p. 462, 1876; Cape of Good Hope, Kerguelen Island, Straits of Magellan.

Studer (*loc. cit.*) describes the arrangement of the embryos within the mother. I found them quite as described by him.

Station 142.—December 18, 1873; lat. 35° 4' S., long. 18° 37' E.; 150 fathoms; sand. Station 308.—January 5, 1876; lat. 50° 10' S., long. 74° 42' W.; 175 fathoms; mud. Station 313.—January 20, 1876; lat. 52° 20' S., long. 68° 0' W.; 55 fathoms; sand. Station 314.—January 21, 1876; lat. 51° 36' S., long. 65° 40' W.; 70 fathoms; sand.

Species of *Ophiomyxa* not herein described.

Ophiomyxa pentagona, Müll. & Tr., Syst. Ast., p. 108, 1842; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 180; Bull. Mus. Comp. Zool., vol. iii., part 10, p. 272, pl. vii. fig. 18; Ludwig, Anatomie der Ophiuren, Zeits. für Wissen. Zoologie, vol. xxxi. p. 241; Echin. des Mittelmeeres, p. 552.

Stella pentagona scolopendroides regularis, Linck, De Stell. Mar., p. 51, pl. xxvii. fig. 46, 1733.

Ophiura pentagona, Lmk., Hist. Anim. sans Vert., vol. ii. p. 546, 1816.

Mediterranean, Adriatic, and Ægean Seas.