

tentacle scales, which are two-thirds as long as an under arm plate. Colour in alcohol, pale straw.

Station 172.—July 22, 1874 ; off Nukualofa, Tongatabu ; 240 fathoms ; coral.

This species stands very close to *Ophioconis miliaria* of the West Indies, and comes from a similar depth. It seems sufficiently distinguished by the arm spines, which are more numerous by one or two, and more flattened, showing even a feeble tendency to become spatulate.

Species of *Ophioconis* not herein described.

Ophioconis forbesii, Ltk., Addit. ad Hist., part 3, p. 98, 1869 ; Ludwig, Echin. des. Mittelmeeres, p. 546.

Pectinura forbesii, Heller, Lit. Fauna d. Adriat. Meeres, 1862, p. 422, pl. ii. figs. 5-8 ; Zooph. u. Echin. Adriat. Meeres, p. 57.

Adriatic ; 15 to 50 fathoms.

Ophioconis miliaria, Lym. (Pl. XXXIX. figs. 7-9).

Ophioconis miliaria, Lym., Bull. Mus. Comp. Zool., vol. v., part 9, p. 221, pl. iii. figs. 49-51, 1878.

Off Havana ; 450 fathoms.

Ophioconis brevispina, Ludwig, Mittheil. der Zool. Station, Neapel., vol. ii. p. 61, pl. iv. figs. 3^a, 3^b, 1880.

Mediterranean.

Ophiochæta.

Ophiochæta, Ltk., Addit. ad Hist., part 3, 1869.

Disk densely covered with smooth spines, or spines and grains. Numerous (7-10) slender hollow spines. Numerous (10-14) small close-set mouth papillæ. Teeth, but no tooth papillæ. Two genital openings in each interbrachial space.

In general appearance, the skeleton (*Ophiochæta mixta*) bears a likeness to that of *Ophioconis*. The mouth frames are, however, smaller and more compact, their top being covered by a stout three-sided peristomial plate, in one or two pieces, while their outer open angle is more or less veiled by a thin lime crust. To the high, thin, and even genital plate is attached a very thin scale of similar form and equal length. The arm bones are delicate with thin wings ; those near the margin of the disk have an outer projection on top. The scale-coat of the disk is fine and closely soldered, and the radial shields of moderate size, three-sided and separated.

See Plate XXXIX. figs. 15-17.