

except the strong genital plates, which have a long, thick head, to which is attached the genital scale, at a point far inward, so that the genital opening is much shortened (*Ophiolepis cincta*), or, what amounts to the same, the scale may, for a part of its length, be soldered to the plate (*Ophiolepis elegans*). The peristomial plate may either be thin and in one piece (*Ophiolepis elegans*), or thick and divided in two (*Ophiolepis cincta*). On the edge of the wings of the arm bones are grooves. The first mouth tentacle is enclosed in a tube of lime scales, a feature observed also in *Ophioglypha*, *Pectinura*, *Ophiura*, &c. (See Pl. XXXVII. figs. 7-9.)

TABLE OF SPECIES OF *Ophiolepis*.

1 scale-like arm spine.	Mouth papillæ in two rows, one above the other,	<i>Ophiolepis carinata</i> .
2 very short arm spines,	. . . . .	<i>Ophiolepis paucispina</i> .
4 minute arm spines.	The beltings of smaller disk scales, uniform } above and below, . . . . . }	<i>Ophiolepis cincta</i> .
4-5 arm spines.	Disk plates forming a nearly smooth surface,	<i>Ophiolepis variegata</i> .
5-6 arm spines,	otherwise similar to preceding,	<i>Ophiolepis elegans</i> .
6-7 arm spines.	Disk plates forming a rough broken surface,	<i>Ophiolepis annulosa</i> .

*Ophiolepis cincta*, Müll. & Tr. (Pl. XXXVII. figs. 7-9).

*Ophiolepis cincta*, Müll & Tr., Syst. Ast., p. 90, 1842; Ltk., Addit. ad Hist., part 2, p. 101, pl. ii. fig. 6; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 60.

*Ophiolepis Garretti*, Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 61, pl. ii. fig. 4, 1865.

Station 186, Samboangan, Philippine Islands; 8 fathoms.

*Ophiolepis annulosa*, Müll. & Tr., Wieg. Arch., vol. vi. p. 328, 1840; Syst. Ast., p. 89, 1842; Ltk., Addit. ad Hist., part 2, p. 100, pl. ii. fig. 5; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 58.

*Ophiura annulosa*, Blainv. (*non* Lmk.), Actinol., p. 244, tab. xxiv., 1834.

Station 186.—September 8, 1874; Ternate Shore near Celebes; 8 fathoms; coral sand.

Species of *Ophiolepis* not herein described.

*Ophiolepis paucispina*, Müll. & Tr., Syst. Ast., p. 90, 1842; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 55; Ltk., Addit. ad Hist., part 2, p. 102, pl. ii. fig. 2.

*Ophiura paucispina*, Say, Journ. Phil. Acad., vol. v. p. 149, pl. i., 1825.

West Indies; 3 to 4 fathoms.