

Ophiocoma papillosa, Lym., Ill. Cat. Mus. Comp. Zool., No. viii., part 2, p. 11, 1875.
Lower California; 22 fathoms.

Ophiarachna.

Ophiarachna, Müll & Tr., Syst. Ast., 1842.

Disk granulated. Radial shields covered. Teeth, and mouth papillæ, and very numerous close-set tooth papillæ, arranged in a vertical clump. Spines, usually from four to six; smooth and solid. One or two tentacle scales. Two genital openings, beginning outside the mouth shield, which has, outside and joining it, a supplementary shield.

As might be expected, from its external appearance, the skeleton of this genus is much like that of *Ophiocoma*, except that the peristomial plate is quite large and thick, and composed of three pieces, whereof the two largest form an open angle which is closed by the third.

Species of *Ophiarachna* not herein described.

Ophiarachna incrassata, Müll. & Tr., Syst. Ast., p. 104, 1842; Ltk., Addit. ad Hist., part 3, p. 33; Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 221; Ludwig, Anatomie der Ophiuren Zeits. für Wissen. Zoologie, vol. xxxi. p. 241.

Ophiura incrassata, Lmk., Hist. Anim. sans Vert., vol. ii. p. 542, 1816.

Ophiocoma ocellata, V. Mart., Monatsb. König. Akad. Berlin, p. 345, 1867.

Great Ocean.

Ophiarachna affinis, Ltk., Addit. ad Hist., part 3, pp. 34 and 98, 1869; Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 221.

Fiji Islands.

Ophiarachna armata, Troschel, Sitz. niederrhein. Gesell. in Bonn., p. 137, March 1879.

Mauritius.

Ophiarthrum.

Ophiarthrum, Pet., Monatsb. König. Akad. Berlin, 1851.

Disk quite naked. Radial shields covered. Teeth, mouth papillæ, and very numerous close-set tooth papillæ, arranged in a vertical clump. Spines usually from four to six; smooth, and solid. One or two tentacle scales. Two genital openings, beginning outside the mouth shield.

This genus is essentially an *Ophiocoma* whose skin is but feebly calcified, and the disk is therefore destitute of external granulation and even of scales. In its substance