

Table of Species of *Ophiocoma*—continued.

One tentacle scale.	{	At base of arm, sometimes two tentacle scales. Upper arm plates wide,	<i>Ophiocoma æthiops.</i>
		Mouth shields elongated. Upper arm plates narrow,	<i>Ophiocoma riisei.</i>
		First or second arm spine longest. Arms longer and structure lighter than } in preceding species,	<i>Ophiocoma pumila.</i>
		Third and fourth arm spines longest, similar to preceding,	<i>Ophiocoma valenciæ.</i>
		Similar to preceding, but arms narrower, and mouth papillæ and tentacle } scales less stout,	<i>Ophiocoma alexandri.</i>
Some arm spines flattened like a spatula,		<i>Ophiocoma canaliculata.</i>	
Tooth papillæ very numerous. An extra scale spine at base of upper arm spine. } Tentacles papillose. [Belongs with <i>Ophiopteris</i> ?],		<i>Ophiocoma papillosa.</i>	
Arm spines hollow as in <i>Ophiacantha</i> , but having otherwise the characters of <i>Ophiocoma</i> .	{	Arm spines doubtless hollow, as it is very close to <i>Ophiocoma nigra</i> .	<i>Ophiocoma nigra.</i>
			<i>Ophiocoma raschii.</i>

Ophiocoma scolopendrina, Agas. (Pl. XLVII. fig. 3).

Ophiocoma Scolopendrina, Agas., Mem. Soc. Sci. Nat. Neuchatel, vol. i. p. 192, 1835; Müll and Tr., Wieg. Archiv, vol. vi. p. 328, 1840; Syst. Ast., p. 101; Ltk., Addit. ad Hist., part 2, p. 163; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 87; Ludwig, Anatomie der Ophiuren, Zeits. für Wissen. Zoologie, vol. xxxi. p. 241.

Ophiura scolopendrina, Lmk., Hist. Anim. sans Vert., vol. ii. p. 544, 1816.

Ophiocoma molaris, Lym., Proc. Bost. Soc. Nat. Hist., vol. viii. p. 79, 1861.

Ophiocoma alternans (young ?), V. Mart., Oph. Ind. Oc. Wieg. Archiv, vol. xxxvi. p. 251, 1870; Lym., Bull. Mus. Comp. Zool., vol. iii., part 10, p. 225.

So many variations in colour, length of arms, and character of spines are found, that Dr. Ludwig was impelled to combine it with *Ophiocoma erinaceus*. The two are however distinguished by the large central disk scales of the latter. The position of the interior organs is figured in Plate XLVII.

Simons Bay, Cape of Good Hope; 10 to 20 fathoms. Tongatabu Reefs; 18 fathoms. Samboangan Bank; Zebu Reefs, Philippines, Fiji Islands.

Ophiocoma erinaceus, Müll. & Tr., Syst. Ast., p. 98, 1842; Ltk., Addit. ad Hist., part 2, p. 164; Lym., Ill. Cat. Mus. Comp. Zool., No. i. p. 85.

Ophiocoma tartarea, Lym., Proc. Bost. Soc. Nat. Hist., vol. viii. p. 78, 1861.

Honolulu Reefs; Samboangan Bank.