

NOTES ON SOME *STYLASTERINA*
IN THE MUSÉUM D'HISTOIRE NATURELLE DE PARIS,

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By the kindness of Prof. Joubin, to whom I wish to express my warmest thanks, I have been allowed to examine in Manchester a collection of *Stylasterina* belonging to the Muséum d'Histoire naturelle.

The following species are represented :

STYLASTER TILIATUS H. and E. — 295 metres La Praya, and 275-150 Cape Verde Islands.

ERRINA ASPERA Linn. — 633 and 598 M. Cape Verde.

ERRINA ANTARCTICA Gray. — Cape Horn.

ERRINA DABNEYI Pourt. — 56 M. Azores, 560 M. Fayal, 560 M. Sargasses.

Errina atlantica, nov. sp. — 998-900 M. Azores, 358 M. S. du Fayal.

PLIOBOTHRUS SYMMETRICUS Pourtalès. — 56 M. Azores.

PLIOBOTHRUS TUBULATUS Pourtalès. — 56 M. Azores.

STYLASTER TILIATUS Hickson and England.

The type specimens of this species were found by the *Siboga* expedition in 275 metres of water off the Sulu Islands in the Malay Archipelago. The *Talisman* specimens were found in 275 metres off La Praya and 265-150 metres off the Cape Verde Islands. The occurrence of the same species in two localities so far apart, is a feature of some interest. In such a genus as *Stylaster*, however, there is a great deal of difficulty in the determination of specific distinctions, and it is very probable that many of the characters we rely upon to separate the species from one another, will prove to be the effects of different types of environment.

It is possible that the character, for example, which forms such a striking feature of some of the species of the genus, namely, that the cyclo-systems all open on one surface of the flabellum, is in some way connected with the flow of the currents of water in which the specimens are found. *S. tiliatus* is one of the species showing this character and *S. complanatus* of Pourtalès is another. It is of special interest therefore to note the curious coincidence that the *Siboga* specimens and the *Talisman* specimens of *S. tiliatus* were obtained from water of exactly the same depth 275 metres