

large number of these were living; they were of various sizes and ages; some of the specimens were 18 centimetres in length, and some of the older stems 1 centimetre in diameter.

Some dead but very fresh and perfect specimens of *Fungia symmetrica*, POURTALES, came up at this station. These resemble *Deltocyathus* greatly, at first sight, in size and general appearance, but they may be readily distinguished by a certain difference in form, and by the very evident synapticulæ uniting the septa.

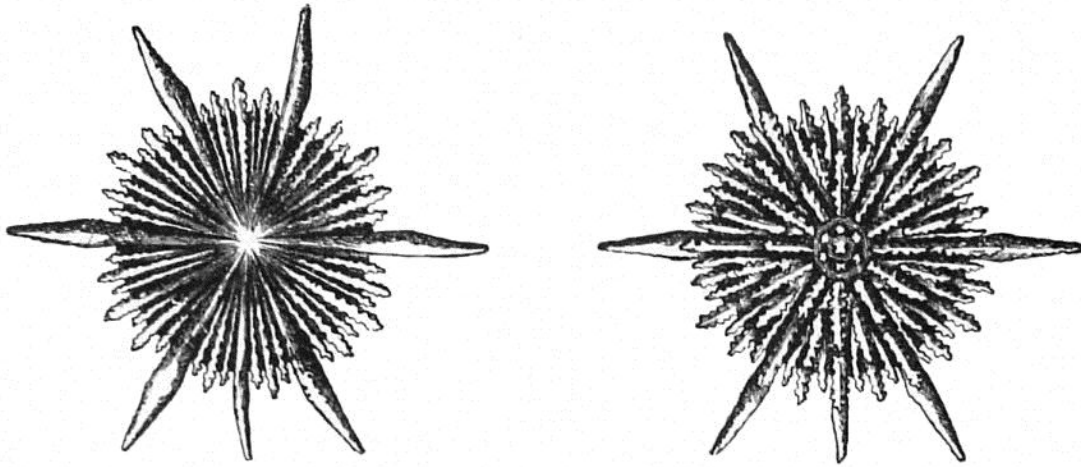


FIG. 64.—*Deltocyathus Agassizii*, POURTALES. Stellate variety. From a depth of 200 fathoms near Bermudas.

Several beautiful specimens were procured in the haul of a coral which we had taken before at Station III. at a depth of 1525 fathoms, *Cryptohelia pudica*, MILNE-EDWARDS. The genus *Cryptohelia* was established by Milne-Edwards and Haime for a stylasteracean obtained from New Guinea. The Stylasteraceans are remarkable in having their septa all equal, and, as has lately been observed by Sars in the case of *Allopora*, the only member of the group in which the soft parts are known, the tentacles lie between the (spurious?) septa. Mr. Moseley observed the same fact in a stylasteracean nearly allied to *Cryptohelia* dredged in 500 fathoms off the Meangis Islands. The genus *Cryptohelia* has its branches disposed in a uniform vertical plane, with the calicles all directed toward one face of the plane. The coral tissue is unusually dense and white; a thin