

Polytrema miniaceum, Linné, sp. (Pl. C. figs. 5-9; Pl. CI. fig. 1).

- Millepora miniacea*, Linné, 1788, Syst. Nat., 13th (Gmelin's) ed., vol. i. pt. 6, p. 3784, No. 6.
 " " Esper, 1797, Zooph., vol. i., pl. xvii.
 " *rubra*, Lamarck, 1816, Anim. s. Vert., vol. ii. p. 202.
Polytrema corallina, Risso, 1826, Hist. Nat. Europ. Mérid., vol. v. p. 340, No. 19.
 " *miniaceum*, Blainville, 1826, Dict. Sci. Nat., vol. xlii.;—Atlas Zooph., vol. i. p. 17.
 " " Id. 1834, Actinologie, pp. 410, 673, pl. lxix. figs. 4, 4a.
 " *rubra*, Dujardin, 1841, Hist. Nat. Zooph. Infus., p. 259.
Pustularia rosea, Gray, 1858, Proc. Zool. Soc. Lond., vol. xxvi. p. 271.
Polytrema miniacea, Carpenter, 1862, Introd. Foram., p. 235, pl. xiii. figs. 18-20.
 " *miniaceum*, Schultze, 1863, Wiegmann's Archiv, p. 81, pl. viii.
 " " Allman, 1870, Ann. and Mag. Nat. Hist., ser. 4, vol. v. p. 372.
 " " Carter, 1876, Ann. and Mag. Nat. Hist., ser. 4, vol. xvii. p. 185, pl. xiii. figs 1-6.
 " " Moebius, 1880, Foram. von Mauritius, p. 85, pl. vii.

The salient characters of *Polytrema miniaceum* have been sufficiently described in the foregoing notice of the genus, of which it is the recognised type.

The Challenger dredgings, so far as they have passed through my hands, have not proved so rich in the present species as might have been anticipated; but it is probable that finer specimens than any that have been observed amongst the coarse sands might be found adherent to corals, bivalve shells, and other similar objects, the parasitic organisms of which have not been specially examined.

Polytrema miniaceum is common in the tropical and subtropical seas of both hemispheres, its area of distribution extending from about 45° north to 35° or 40° south of the equator. Its home is in the shallower marginal zones, though it is not confined to such localities, three of the North Atlantic Stations at which it occurs having depths of 1000 fathoms, 1000 fathoms, and 900 fathoms respectively.

Polytrema miniaceum, var. *alba*, Carter (Pl. CI. figs. 2, 3).

Polytrema miniaceum, var. *album*, Carter, 1877, Ann. and Mag. Nat. Hist., ser. 4, vol. xix. p. 213, pl. xiii. fig. 14.

The white variety of *Polytrema* differs from the typical *Polytrema miniaceum* in nothing except colour.¹ The figured examples are of the encrusting form, and show no indications of the arborescent mode of growth beyond a few elevated papillæ; but a very beautiful colourless specimen was dredged off the Ki Islands, 129 fathoms, which measures four-fifths of an inch (20 mm.) in diameter, and two-fifths of an inch (10 mm.) in height, and to the naked eye has all the appearance of a little branching coral. The

¹ Carter recognises also a brown variety, *Polytrema miniaceum*, var. *cinnamomum*, Ann. and Mag. Nat. Hist., ser. 4, vol. xix. p. 218, pl. xiii. fig. 15.