

(1) *Pustulopora proboscidea*, Milne-Edwards (Pl. IV. fig. 1).

*Pustulopora proboscidea*, M.-Edw., Sur les Crisies, p. 27, pl. xii. fig. 2; Heller, Adriat., p. 125; Grube, Die Insel Lussin, p. 68; Busk, Brit. Mus. Cat., pt. iii. p. 21 (*nec* pl. xviii. A); Haswell.

*Pustulipora proboscidea*, Johnst., p. 279, pl. xlvi. fig. 4; Gray.

*Entalophora proboscidea*, Waters, Bryoz. of the Bay of Naples, Ann. and Mag. Nat. Hist., ser. 5, vol. iii. p. 274 (1879); Vine.

To these Mr. Waters, Fossil Cyclostomatous Polyzoa from Australia, Quart. Journ. Geol. Soc., vol. xl., 1884, p. 686, adds the following fossil forms:—

*Entalophora varipora*, d'Orb., Prod. Pal. Strat., p. 267; Palæont. Franç., p. 787, pl. dxxxi. figs. 1-3, pl. dxxxiii. figs. 15-17; Beissel, Bryoz. Aach. Kreid., p. 82, pl. x. figs. 120-128.

*Pustulopora virgula*, Hagenow, Maast. Kreid., p. 17, pl. i. fig. 3.

*Entalophora icaunensis*, d'Orb., Palæont. Franç., p. 781, pl. dxxvi. figs. 12-14.

*Entalophora attenuata*, Stol., Bry. von Latdorf., p. 77, pl. i. fig. 1; Reuss (?), Bry. Crosaro, p. 74, pl. xxxvi. figs. 1, 2.

*Entalophora anomale*, Manzoni, Bry. Mioc. Aust. ed Ungh., p. 10, pl. ix. fig. 33.

*Entalophora haastiana*, Stol., Bry. Ora. Bay., p. 102, pl. xvii. figs. 4, 5.

*Character*.—Zoarium composed of long, straight, alternate, furcate, cylindrical branches, 0.4 to 0.9 mm. in diameter, constituted usually of four longitudinal alternate series of zoecia which are exerted for about one-third of their length, the exerted tube curving outwards nearly at a right angle and constituted mainly of a peristomal production, ringed, thin, not punctate, with an entire circular orifice about 0.15 mm. in diameter; surface elsewhere finely punctate. Oecia consisting apparently of a terminal expansion, or of one situated close to a bifurcation.

*Habitat*.—Station 151, off Heard Island, 75 fathoms, volcanic mud. Off Prince Edward Island, 80 to 150 fathoms.

[Shetland (?), E. Forbes; Mediterranean, Milne-Edwards; Adriatic, Heller; Naples, Waters; Teneriffe and Canaries, d'Orbigny; Madeira, I. G. I.; Gulf of Florida, Smitt; Port Jackson and Queensland, Haswell.]

With respect to the Shetland locality assigned to this species in the Brit. Mus. Cat. on the authority of E. Forbes, as its occurrence in that locality is not noticed either by Mr. Norman or by Mr. Hincks as a British form, and, moreover, is omitted by Professor Smitt in Lists of Scandinavian or Arctic Polyzoa, it is highly probable that some mistake has arisen. It would appear to be a Mediterranean and Atlantic form, extending as far south as the Kerguelen region.

(2) *Pustulopora proboscidioides*, Smitt (sp.) (Pl. IV. fig. 4).

*Entalophora proboscidioides*, Smitt, Florid. Bryoz., vol. i. p. 11, pl. iv. figs. 26, 27.

*Character*.—Zoarium composed of elongated, forked, cylindrical branches, 0.7 to 1 mm. in diameter, constituted of about six longitudinal series of zoecia, almost entirely immersed, except a short, cylindrical, exerted portion with a circular orifice, about