

*Character*.—Zoarium ramose or foliaceous; zoœcia opening only on one side; oœcia dorsal or anterior.

§ *a. Ramosa*.—Zoarium branched, branches free or rarely inosculating, cylindrical or subcompressed.

§§ *a. Oœcia dorsal*; anterior surface of branches reticulato-fibrillate.

(1) *Hornera frondiculata*, Lamouroux.

*Hornera frondiculata*, Lamx., Exp., p. 41, pl. lxxiv. figs. 7-9; Milne-Edwards, *loc. cit.*, p. 17, pl. ix. figs. 1-1c.; Blainville, Man. d'Actin., p. 419; Heller, Adriat., p. 124; Busk, Brit. Mus. Cat., pt. iii. p. 17, pl. xx. figs. 1, 2, 3, 6; Manzoni, Waters.

*Millepora tubipora*, Ell. and Soll, p. 139, pl. xxxi. fig. 1.

*Millepora lichenoides*, Linné, Pallas, Esper.

? *Hornera affinis*, M.-Edw., *loc. cit.*, p. 9, pl. x. fig. 1.

? *Hornera andegavensis*, Mich., Icon. Zooph., p. 318, pl. lxxvi. fig. 8:

*Hornera serrata et tubulosa* (?), Meneghini, *loc. cit.*, p. 10.

*Character*.—Branches tapering, ramifying more or less in one plane, cylindrical or subcompressed; anterior surface strongly fibro-reticulate, divided into rhomboidal spaces in which are situated the orifices of the zoœcia, surrounded with numerous small pores. Orifice exserted, usually bifid; dorsal surface coarsely reticulate, granular or nearly smooth, with small elongated pores in the sulci. Oœcia oblong, carinate, ribbed; aperture tubular, superior. Diameter of branches about 0.6 mm., and of orifice 0.08 mm.

*Habitat*.—Porto Praya, St. Iago, Cape de Verde, 100 to 120 fathoms.

[Mediterranean, Adriatic (very abundant). Fossil in the Crag and Upper Tertiaries of Sicily, &c.]

(2) *Hornera lichenoides*, Linné (sp.).

*Corallium*, Pontoppidan, Norg. Natuurl., vol. i. p. 258, pl. xiv. figs. D.E.

*Millepora lichenoides*, Linné, Müller, Prodr., p. 252, No. 3046; Ström, Act. Hafn., vol. xii. p. 309, pl. iii. fig. 12; Fabricius, Zool. Samml. (*teste* Smitt), and Fauna Groenl., p. 432 (*nec* Pallas).

*Hornera frondiculata*, Sars, Reise Lof. og Finm., Nyt Magazin f. Nat.-Vid., t. vi. p. 146; Busk, Ann. and Mag. Nat. Hist., ser. 2, vol. xviii. p. 34, pl. i. fig. 7a.

*Hornera borealis*, Busk, Crag Polyzoa, pp. 95-103; Alder, New British Polyzoa, Quart. Journ. Micr. Sci., N.S., vol. iv. p. 108, pl. v. figs. 1-6.

*Hornera lichenoides*, Smitt, Kritisk Förteckn., pp. 404, 469, pl. vi. fig. 10, pl. vii. figs. 1-14; Busk, Brit. Mus. Cat., pt. iii. p. 17, pl. xviii. figs. 5-6; Hincks, Brit. Mar. Polyz., p. 468, pl. lxvii. figs. 1-5.

*Character*.—Zoarium rising from a rather thick furrowed base, branched irregularly; branches dichotomous, crowded and straggling, often spreading out in a flabelliform