

possession of an intermediate or azygos set of zoœcia on the front, and, it may be added, by the circumstance that the outermost zoœcium in the lateral series is the longest.

(7) *Idmonea irregularis*, Meneghini.

Idmonea irregularis, Meneghini, Mem. sui Polypi della Famiglia Tubuliporiani, p. 12 (*teste* Heller); Heller, Adriat., p. 121; Busk, Brit. Mus. Cat., pt. iii. p. 13, pl. xii.; Waters, Haswell, ? *Tervia folini*, Jullien, Bull. Soc. Zool. de France, vol. vii. p. 501, pl. xiii. figs. 8-9, 1882.

Character.—Zoarium composed of irregularly dichotomous, slender, rounded branches, 0.5 to 0.6 mm. wide. Zoœcia four to six in each lateral series, and the intermediate space in front occupied by numerous others irregularly scattered; series 0.6 to 0.8 mm. apart. Diameter of zoœcia 0.1 to 0.15 mm.; surface uniformly and thickly punctate; dorsum with longitudinal striæ wide apart. Oœcial chamber?

Habitat.—Station 75, lat. 38° 38' N., long. 28° 28' 30" W., 450 fathoms, volcanic mud.

[Adriatic, Meneghini, Heller; Mediterranean, H.M.S. "Porcupine"; Bay of Biscay, Jullien; Bay of Naples, Waters; Queensland, Haswell.]

(8) *Idmonea fissurata*, n. sp. (Pl. III. fig. 5).

Character.—Zoarium procumbent, composed of branches radiating irregularly from a central peduncle, dividing about twice dichotomously and appearing strongly serrated on the borders; branches 0.7 to 1 mm. wide. Zoœcia 0.15 to 0.2 mm. in diameter, with an elliptical aperture, closely adnate, the outermost the longest; a few isolated median zoœcia whose apertures are usually level with the surface. Lateral series 0.9 to 1.1 mm. apart. Surface of branches in front and behind deeply and irregularly sulcate and pitted.

Habitat.—Station 320, lat. 37° 17' S., long. 53° 52' W., 600 fathoms, green sand.

This species is at once recognisable by the peculiar fissured aspect of the surface, both in front and behind, and the numerous irregular pits with which it is studded. Its habit in some specimens is something like that of *Idmonea radians*, but much stronger. Like the others of the group to which it belongs, the branches appear serrated on each side.

2. *Hornera*, Lamouroux.

Hornera, Lamx., Expos., p. 41 (1821); Milne-Edwards (pars), Reuss (pars), Blainville (pars), Defrance, Michelin, Hagenow, d'Orbigny, Smitt, Hincks, Busk, Sars, &c.
Millepora (pars), Linné, Pallas, Esper, Solander.
Retepora (pars), Lamarck, Goldfuss.
Syphodictyum (pars), Lonsdale.