

(5) *Diachoris hirtissima*, Heller*Diachoris hirtissima*, Heller, Adriat., p. 94, pl. i. figs. 6, 7.*Chaunosia hirtissima*, Bk., Quart. Journ. Micr. Sci., vol. vii. pl. xxxvi. figs. 12-16.

Character.—Zoecia elongated oval; suberect, very convex behind. Orifice semi-circular, with a thin prominent peristome above. The entire surface and borders in front and behind beset with longer or shorter pointed spines. Avicularia 0.

Habitat.—Station 352A, off St. Vincent, Cape Verde Islands, 10 fathoms.

[Adriatic, Heller.]

Family X. MEMBRANIPORIDÆ.

Celleporidæ (pars), Johnst.*Membraniporidæ* (pars), Brit. Mus. Cat., Smitt, Hincks, &c.*Flustrellidæ*, *Flustrinidæ*, *Electrinidæ*, *Escharidæ*, &c. (pars), d'Orb.*Biflustridæ* (sp.), Bk., Smitt.*Flustradæ* (pars), Gray.*Flustra* (pars), Linn.*Microporidæ* (sp.), Smitt, Hincks.

Character.—Zoarium membranous, membranaceo-calcareous or calcareous, encrusting and adnate, or erect and free, foliaceous or lobed then bilaminar or polygono-cylindrical. Zoecia depressed in front with a raised border, the area filled in by a chitinous membrane, beneath which may be an entire or partial, calcified lamina.

The numerous and heterogeneous forms which might be arranged more or less artificially under the above definition may be conveniently, and to some extent perhaps naturally, subdivided into five principal types, which may be regarded, at any rate provisionally, as generic, four of which only, however, are represented in the Challenger collection. The fifth, for which I should propose to adopt M. d'Orbigny's¹ appellation *Pyripora*, would include the forms represented by *Hippothoa* (*Membranipora*) *catenularia* of authors.

The following genera are contained in the Challenger collection:—

1. *Membranipora*, Blainville.§ a. *simplices* (no marginal spines).(1) *Membranipora albida*, Hincks (Pl. XV. fig. 4).(2) *Membranipora crassimarginata* (Hincks).Var. a. *erecta* (Pl. XIV. fig. 3).Var. b. *incrustans* (Pl. XV. fig. 5).¹ Palæont. Franç., p. 538.