

§ β . The outermost zoëcia in the lateral series the longest ; isolated zoëcia opening in the space on the front between the lateral series.

- (6) *Idmonea milneana*, d'Orb.
- (7) *Idmonea irregularis*, Meneghini.
- (8) *Idmonea fissurata*, n. sp. (Pl. III. fig. 5).

2. *Hornera*, Lamx.

§ α . Zoarium branched, branches free or rarely inosculating.

§§ α . Oëcia dorsal ; anterior surface of branches reticulato-fibrillate.

- (1) *Hornera frondiculata*, Lamx.
- (2) *Hornera lichenoides*, Linn.

§§ β . Oëcia anterior, either wholly or in part ; surface in front not fibrillated or sulcate.

- (3) *Hornera violacea*, Sars.

§ β . Zoarium foliaceous, branches connected by transverse tubules.

- (4) *Hornera foliacea*, Macgilliv.

3. *Pustulopora*, Blainv.

- (1) *Pustulopora proboscidea* (Pl. IV. fig. 1).
- (2) *Pustulopora proboscidioides*, (Pl. IV. fig. 4).
- (3) *Pustulopora deflexa*, Smitt (Pl. IV. fig. 3).
- (4) *Pustulopora regularis*, Macgilliv. (Pl. IV. fig. 2).

1. *Idmonea*, Lamouroux.

Idmonea, Lamx., Exp. Méth., p. 80 ; DeFrance, Blainville, M.-Edwards, Johnst., Lonsdale, Reuss, Michelin, Hagenow, d'Orb, 1852 (pars) ; Busk, Van Beneden, Hincks, Smitt (subgenus), &c.

Crisia (pars), d'Orbigny, Stoliczka.

Retepora (pars), Goldfuss, Lamk.

Diastopora (pars) Michelin.

Tubulipora (pars), Lamk., Smitt.

Crisina (pars), d'Orbigny, Smitt.

Character.—Zoarium erect, free or very partially adnate, branched dichotomously or irregularly ; springing from a single tubular cell, having a constricted, basal, discoid expansion. Branches free or anastomosing ; orifices of zoëcia disposed in parallel or subparallel, transverse or oblique, usually alternate series on the sides of the front of the