

The separation of this peculiar form from *Catenicella* is entirely artificial, and it has been placed under *Catenaria* simply for its mode of branching, and the absence of any lateral appendages.

Family V. CELLULARIADÆ, Busk.

Cellulariidae, Bk., Crag Polyzoa, p. 19; Hincks.

Cellulariadae, Brit. Mus. Cat.

Cellularidae (pars), Johnst.

Cellulariæ (pars), Smitt.

Character.—Zoarium articulated, phytoid, erect, dichotomous, bi-, tri-, or multiseriate. Zoecia rising by a broad base, alternate, all facing the same way; a large oval membranous aperture. Avicularia, when present, sessile, and either lateral or anterior.

The Family contains the following genera:—

1. *Cellularia*, Pallas (pars).

§ *a. aperta*.

- (1) *Cellularia crateriformis*, n. sp. (Pl. III. fig. 1).
- (2) *Cellularia cuspidata*, Busk.
- (3) *Cellularia cirrata*, n. sp. (Pl. II. fig. 4).
- (4) *Cellularia quadrata*, n. sp. (Pl. V. fig. 5).

§ *β. fornicata*.¹

- (5) *Cellularia biloba*, n. sp. (Pl. III. fig. 2).
- (6) *Cellularia elongata*, n. sp. (Pl. III. fig. 3).

2. *Menipea*, Lamouroux.

§ *a. fornicata*.

- (1) *Menipea benemunita*, n. sp. (Pl. IV. fig. 4).
- (2) *Menipea aculeata* (d'Orbigny) (Pl. IV. fig. 2).
- (3) *Menipea clausa*, n. sp. (Pl. IV. fig. 5).

§ *β. aperta*.

- (4) *Menipea flabellum*, Lamouroux.
- (5) *Menipea flagellifera*, n. sp. (Pl. IV. fig. 1).
- (6) *Menipea marionensis*, n. sp. (Pl. IV. fig. 3, and Pl. XIV. fig. 9).
- (7) *Menipea triseriata*, Busk.
- (8) *Menipea cirrata*, Lamouroux.
- (9) *Menipea pateriformis*, n. sp. (Pl. V. fig. 4).

¹ A better term perhaps would have been "scutatae," but as Prof. Smitt has introduced the term "fornix" for what I had originally named "operculum," now generally employed for the oral valve, I have adopted his name.