

moved upwards and downwards with the regularity of a pendulum. The polypes have apparently twelve tentacula.

The cells have the characters of *Acamarchis* or *Flustra* rather than of *Cellularia*. Many naturalists make the zoophyte a variety of *Flustra avicularia*, but Mr Bean and Milne Edwards dissent from this association. The principal distinction between them lies in the dissimilarity of their habit: in the shape of the cells I do not perceive any noticeable difference, but in this I have never seen more than two spines at the top of each cell, while in the *Flustra* I have seen four on some cells, though certainly many of them are armed with two only.

5. *C. HOOKERI*, "cells rounded, diverging, projecting."—Sir W. J. Hooker.

*Cellularia Hookeri*, *Flem. Brit. Anim.* 539.—*La Bicellaire de Hooker*, *Blainv. Actinol.* 460.

*Hab.* "Found by Dr Hooker at Torquay, 1812," *Fleming*.

"Heighth upwards of an inch, dichotomously branched, branches straight, stiff, brittle, divaricate; the cells are protuberant dorsally, and their rounded top is nearly free, projecting laterally, giving the edge a remarkably jagged outline, and the pearly ovaria are rounded." *Fleming*.—This is probably synonymous with *Cellaria denticulata* of Lamarck, *Anim. s. vert.* ii. 137.

### 37. ACAMARCHIS,\* Lamouroux.

CHARACTER. *Polypidom plant-like, subcalcareous, attached by fibrous radicles, bushy, dichotomously branched, the branches composed of a double series of semialternate oblong cells whose apertures occupy nearly one side and face one way, usually protected by an operculum.*—*Polypes ascidian.*

1. *A. NERITINA*, "cells quadrangular, lengthened, with a truncated summit, the outer angle projecting."—Miss Blackburne.

Remarkable Coralline, *Ellis in Phil. Trans.* abridg. x. 345, pl. 8, fig. a, A.

—*G. Ellis*, *Corall.* 35, pl. 19.—*Sertularia neritina*, *Lin. Syst.* 1315.

*Turt. Gmel.* iv. 685. *Stew. Elem.* ii. 448.—*Cellularia neritina*,

*Pall. Elench.* 67. *Flem. Brit. Anim.* 539.—*Cellaria neritina*, *Ellis and Soland. Zooph.* 22. *Bosc, Vers.* iii. 131. *Lam. Anim. s. vert.* ii.

140. 2de edit. ii. 190—*Acamarchis neritina*, *Corall.* 58, pl. 3, fig. 2.

*Risso, l'Europ. Merid.* v. 318. *Blainv. Actinolog.* 459, pl. 77, fig. 3. *Tem-*

*pleton in Mag. Nat. Hist.* ix. 469.

*Hab.* On the English coast, very rare. "I possess a specimen

\* The name of one of the daughters of Oceanus.