

(Pl. XCVIII. fig. 10), and also the singular spicules already described by Marshall as aberrant broom-forks (Besengabeln), which indeed resemble the scopulæ in many respects, though not agreeing with them completely. The somewhat rough straight shaft, which runs out at one extremity into an abrupt point, is more or less richly beset with rough finger-like or conical teeth of variable size, and perpendicularly inserted. On the other somewhat thickened extremity it bears four, more rarely five or three, rough finger-like terminal rays, which diverge more or less markedly, and are, as a rule, slightly curved (Pl. XCVIII. figs. 7, 8).

It is improbable that the floricome-like hexacts with spherical terminal knobs, which are to be found in the dried specimens here and there between the beams of the network of the dictyonal framework, are to be regarded as parenchymal spicules. I am rather of opinion that they are accidental additions to the parenchyma, and derived from the skin.

Tribe II. INERMIA, F. E. Schulze (Pls. XCIX.–CI. ; Pls. CIII., CIV.).

Dictyonina without uncinates and scopulæ.

Family MÆANDROSPONGIDÆ, Zittel (Pls. XCIX.–CI. ; Pls. CIII., CIV.).

The body consists of a system of rounded, anastomosing tubes of tolerably uniform calibre, with a system of cavities between. Through the latter the water reaches the interior, passing through the wall of the tubes, and is passed out through their lumen either into the gastral cavity or directly to the exterior.

Genus 1. *Dactylocalyx*, Stutchbury (Pls. XCIX., C.).

- 1780. Rozier, Journal de Physique, October, t. xvi. p. 315, pl. i.
- 1781. Lichtenberg, Magazin für das Neueste aus der Physik und Naturgeschichte, Gotha, 1781, Bd. i. pp. 68, 69.
- 1841. Stutchbury, Proc. Zool. Soc. Lond., vol. ix. p. 86; Ann. and Mag. Nat. Hist., ser. 1, vol. ix. p. 504 (*Dactylocalyx pumiceus*).
- 1858. Bowerbank, Phil. Trans., vol. cxlviii. p. 279.
- 1859. Gray, Proc. Zool. Soc. Lond., vol. xxvii. p. 437; Ann. and Mag. Nat. Hist., ser. 3, vol. v. p. 495 (*Macandrewia*).
- 1860. Max Schultze, Hyalonema.
- 1861. Ehrenberg, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, vol. i. p. 448.
- 1862. Bowerbank, Phil. Trans., vol. clii. p. 747.
- 1863. Johnson, Proc. Zool. Soc. Lond., p. 257; Ann. and Mag. Nat. Hist., ser. 3, vol. xiii. p. 257.
- 1864. Bowerbank, Monograph of the British Spongiadæ, vol. i.
- 1864. Kölliker, Icones hist., Protoz.
- 1867. Gray, Proc. Zool. Soc. Lond., p. 492.
- 1868. Gray, Ann. and Mag. Nat. Hist., ser. 4, vol. i. p. 161.