

as *Stelletta grubii*, from Holyhead; the spicules are very similar to those of Schmidt's type, and I have no doubt as to the correctness of the identification. I was not able to make out the characters of the cortex.

Genus 10. *Dragmastra*, Sollas.

Cortex similar to that of *Stelletta*, but with the middle or collenchymatous layer crowded with orthodragmas.

*Dragmastra normani*, Sollas.

*Stelletta Normani*, Sollas, Ann. and Mag. Nat. Hist., ser. 5, vol. v. p. 130, pls. vi., vii., 1880.

*Sponge* somewhat spherical, becoming depressed, cake-like with age; sessile, attached; surface hispidated by oxeas and dichotriænes; oscules not observed; pores in sieves generally distributed; cortex 1·7 mm. thick.

*Spicules*.—I. Megascleres. 1. *Oxea*, 6·0 by 0·064 mm. 2. *Dichotriæne*, 3·2 by 0·094 mm., protocladi 0·39 mm. long, deuterocladi 0·57 mm. long. 3. *Protriæne*, 5·5 by 0·032 mm. 4. *Anatriæne*, 5·5 by 0·032 mm., cladi 0·127 mm. long, chord 0·127 mm.

II. Microscleres. 5. *Orthodragma*, 0·05 by 0·02 mm. 6. *Oxyaster*, 0·019 to 0·033 mm. in diameter. 7. *Chiaster*, a small centrum and numerous bacillary actines, sometimes faintly tylote, 0·012 mm. in diameter.

*Colour*.—Grey externally, yellowish-white within.

*Habitat*.—Kors Fjord, Norway; depth, 180 fathoms (Norman).

*Remarks*.—The orthodragmas not only form a special layer in the cortex, but are thickly scattered through the choanosome, like the sterrasters of the Geodiidæ. The large problematical oval cells (*loc. cit.*, p. 139) mentioned as surrounding the subcortical crypts are, as I now believe, the scleroblasts of the orthodragmas.

Genus 11. *Aurora*, n. gen.

The cortex not differentiated into two layers; densely crowded with large spherasters.

*Aurora globostellata* (Carter).

*Stelletta globostellata*, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. xi. p. 353, pl. xiv. fig. 5, 1883.

*Sponge*.—Surface smooth, raised into low, undulating ridges, united to form a reticulation; pores singly situated in its meshes; oscules congregated. Cortex, 0·26 mm. thick.