

2. *Orthotriæne*, rhabdome tornote or sometimes strongylate; cladi geniculate. Rhabdome 1.625 by 0.05 mm., cladi 0.12 mm. long, chord 0.22 mm.

3. *Anatriæne*, rhabdome slender; cladi prolonged backwards a considerable distance.

II. Microscleres. 4. *Ectosomal chiaster*, with thick bacillary actines, rounded at the ends, very similar to a pycnaster, 0.0156 mm. in diameter.

5. *Choanosomal oxyaster*, with few long slender actines and no centrum, frequently reduced to a triradiate form; a single actine 0.0276 mm. in length.

Colour.—In spirits, light green.

Habitat.—Off Guernsey (Saville Kent).

Remarks.—The anatriænes must be extremely rare or local in their distribution, none are to be seen in the preparations which I made from the type specimen in the British Museum. The characters of the cortex are not clearly shown in these preparations, but it appears to consist chiefly of collenchyma.

Stelletta collingsii (Bowerbank).

Tethea collingsii, Bowerbank, Brit. Spong., vol. ii. p. 87, 1866; vol. iii. p. 37, pl. xv. figs. 1-9, 1874; and vol. iv. p. 44, 1882.

Collingsia sarniensis, Gray, Proc. Zool. Soc. Lond., p. 541, 1867.

Tethea schmidtii, Bowerbank, Brit. Spong., vol. ii. p. 89, 1866; vol. iii. p. 38, pl. xv. figs. 10-16, 1874; and vol. iv. p. 44, 1882.

Collingsia schmidtii, Gray, Proc. Zool. Soc. Lond., p. 541, 1867.

Sponge.—Massive, sessile; oscules and pores (?); cortex thick (?).

Spicules.—I. Megascleres. 1. *Oxea*, 1.96 by 0.032 (s) to 2.44 by 0.0434 mm. (c).

2. *Orthotriæne*; rhabdome 1.27 by 0.0478 mm. (s) to 1.6 by 0.055 mm. (c); cladome, chord 0.23 (s) to 0.175 mm. (c).

II. Microscleres. 3. *Ectosomal chiaster*, actines variable in number, usually four, tylote terminally; 0.0158 mm. in total diameter.

4. *Choanosomal oxyasters*, two varieties, both with conical sharply-pointed actines. In the one the actines are large and few, 0.02 mm. long; in the other small and numerous, 0.01 mm. long.

Colour.—In the fresh state somewhat green externally, light grey within; when dried, dull ochre-yellow.

Habitat.—The English Channel, Guernsey, Sark, Herne, Torbay; and Westport Bay, county Mayo.

Observations.—The letters “(c)” and “(s),” given after the above measurements, indicate the specimens from which they were taken; “(c)” stands for *Stelletta (Tethea) collingsii* from Sark, “(s)” for *Stelletta (Tethea) schmidtii*. The dimensions of the spicules in specimens of *Stelletta (Tethea) collingsii* from Mayo differ from the foregoing.