

*Cydonium* (?) *geodinum* (O. Schmidt).

*Stelletta geodina*, O. Schmidt, Spong. Algier., p. 20, pl. iv. fig. 5, 1868.

*Sponge*.—(?). Cortex thin.

*Spicules*.—I. Megascleres. 1. *Oxea*, 2·755 by 0·022 mm. 2. *Orthotriæne*, 1·42 mm. long, cladi 0·34 mm. long.

II. Microscleres. 3. *Sterraster*, spherical, 0·041 mm. in diameter (O. S.). 4. *Choanosomal oxyaster*, 0·056 mm. in diameter (O. S.). 5. *Somal spheraster*, 0·015 mm. in diameter (O. S.).

*Habitat*.—Algiers.

*Remarks*.—The measurements were obtained from a type-slide in the British Museum except those marked (O. S.), which are from Schmidt's descriptions. The sponge evidently belongs to the Geodiidæ, but may possibly have to be placed in a new genus.

Genus *Synops*, Vosmaer.Section *Pantæosa*.*Synops macandrewii* (Bowerbank).

*Geodia macandrewii*, Bowerbank, Proc. Zool. Soc. Lond., p. 196, pl. x., 1872.

*Sponge*.—Massive, sessile; surface even; hispidated or hirsute with somal and cortical oxeas, dichotriænes and protriænes; cortex, 3·26 mm. in thickness, chiefly constituted of the sterrastral layer; ectochrote and inner fibrous layer both very thin. Pores, from 0·05 to 0·238 mm. in diameter, in sieves overlying incurrent chones, 0·636 mm. in diameter; oscules small, 0·556 mm. in diameter, surrounded by a membranous margin, fringed with cortical oxeas, leading into small excurrent chones.

*Spicules*.—I. Megascleres. 1. *Somal oxea*. 2. *Cortical oxea*, 0·35 mm. long. 3. *Dichotriæne*, rhabdome 7·3 by 0·11 mm., protocladi 0·5 mm., deuterocladi 0·32 mm. long. Cladome depressed or cyathiform. 4. *Protriæne*, rhabdome fusiform, long, 0·0377 mm. in diameter; cladome subterminal, cladal centre situated 0·175 mm. from its oxeate distal termination, which sometimes bears a second cladome; cladi 0·1675 mm. long. 5. *Anatriæne*, rhabdome 8·92 mm. and over in length; cladi 0·18 mm., chord 0·1675 mm. long.

II. Microscleres. 6. *Sterraster*, depressed, spherical, 0·27 mm. in diameter. 7. *Somal spheraster*, 0·0065 mm. in diameter. 8. *Choanosomal spheraster*, with a comparatively large centrum and long conical actines, 0·025 mm. in diameter.