

*Geodia* (?) *thompsoni*, O. Schmidt.*Geodia thompsoni*, O. Schmidt, Spong. Atlant. Gebiet., p. 70, pl. vi. fig. 13, 1870.*Sponge* (?).—Surface smooth.*Spicules*.—I. Megascleres. 1. *Oxea*, 3·37 by 0·05 mm. 2. *Dichotriæne*, rhabdome 0·095 mm. in diameter, protocladi 0·213 by 0·095 mm., deuterocladi 0·416 by 0·07 mm.II. Microscleres. 3. *Sterraster*, ellipsoidal, 0·178 by 0·142 mm. 4. Other *Asters* (?).*Habitat*.—Cozera, Cuba ; depth, 270 fathoms.*Remarks*.—Such measurements as I could obtain from Schmidt's type-slide in the British Museum are given above. As to Schmidt's description, one must be content in saying that it is inadequate.*Geodia* (?) *canaliculata*, O. Schmidt.*Geodia canaliculata*, O. Schmidt, Spong. Algier., p. 21, pl. iv. fig. 7, 1868.(?) Not *Geodia canaliculata*, Carter, see *Geodia carteri*, p. 247, *antea*.*Sponge* (?).—No description given by the author.*Spicules*.—I. Megascleres. 1. *Oxea*, 2·13 by 0·044 mm. 2. *Triæne* (?), no description given beyond the fact that it is subject to pathological variations.II. Microscleres. 3. *Sterraster*, spherical, 0·057 mm. in diameter; 0·0385 mm. (O. Schmidt, *loc. cit.*, p. 21). 4. *Aster*, 0·025 mm. in diameter.*Habitat*.—Algiers.*Remarks*.—The type-slide in the British Museum, presented by Schmidt, does not contain a full complement of spicules ; of those present measurements are given above.Genus *Cydonium*, Fleming.*Cydonium mülleri*, Fleming.*Alcyonium cydonium*, Müller, Zool. Dan., vol. iii. pl. lxxxii. figs. 3, 4, 5a.

" " Jameson, Mem. Wern. Soc. Edin., vol. i. p. 563.

*Cydonium mülleri*, Fleming, British Animals, p. 516, 1828.*Geodia zetlandica*, Johnston, Hist. Brit. Sponges, p. 195, pl. iii. figs. 3, 4, 1842.

" " Bowerbank, Mon. Brit. Spong., vol. ii. p. 45, 1866 ; vol. iii. p. 15, pl. vii., 1874.

" " Norman, Bowerbank, Mon. Brit. Spong., vol. iv. p. 27, 1882.

*Cydonium mülleri*, Gray, Proc. Zool. Soc. Lond., pp. 127, 492, 1867.*Cydonium zetlandicum*, Sollas, Ann. and Mag. Nat. Hist., ser. 5, vol. v. p. 241, 1880.*Cydonium mülleri*, Vosmaer, Bronn's Thierreich, Porifera, p. 317, 1887.*Sponge*.—More or less cylindrical, cup-shaped, or massive, ellipsoidal. Surface both minutely and strongly hispid. Cortex 0·96 mm. in thickness, chiefly constituted of the sterrastral layer.