

Section 2. *Dirabdosa*.

Species possessing both cortical and somal oxeas, but only one form of triæne, which is neither an anatriæne nor a protriæne.

*Cydonium gibberosum* (Bowerbank).

*Geodia gibberosa*, Bowerbank, Proc. Zool. Soc. Lond., p. 7, pl. i. figs. 16-22, 1873.

„ „ Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. ix. p. 362, 1882.

Carter considers that *Geodia tumulosa*, Bowerbank, which he obtained from Puerto Cabello in the Caracas, is conspecific with *Geodia cariboa*, Duch. and Mich., *Geodia gibberosa*, Lamarck, and *Geodia tuberculosa*, Bowerbank.

*Cydonium inconspicuum* (Bowerbank).

*Pachymatisma inconspicua*, Bowerbank, Proc. Zool. Soc. Lond., p. 326, pl. xxxi. figs. 1-6, 1873.

*Sponge*.—Massive, sessile; surface even, minutely hispidated; cortex 0.556 mm. in thickness, composed almost entirely of the sterrastral layer. Pores in sieves fringed with marginal oxeas, overlying incurrent chones; oscules not distinguishable from the pores.

*Spicules*.—1. Megascleres. 1. *Somal oxea*, 1.9 by 0.029 mm. 2. *Cortical oxea*, 0.39 mm. long (Bowerbank). 3. *Orthotriæne*, rhabdome 2.0 by 0.033 mm.

II. Microscleres. 4. *Sterraster*, spherical, depressed; 0.064 mm. in diameter. 5. *Somal spheraster*, centrum small, actines cylindrical, short, truncate, 0.0065 mm. in diameter. 6. *Choanosomal oxyaster*, centrum small, actines slender, about 0.020 mm. in diameter.

*Colour*.—Light fawn colour in the dried state. Size, 75 mm. long by 31 mm. and 19 mm.

*Habitat*.—South Seas.

*Cydonium nux*, Selenka.

*Stelletta nux*, Selenka, Zeitschr. f. wiss. Zool., Bd. xvii. p. 569, pl. xxxv. figs. 11-13, 1867.

*Tethya nux*, Ridley, Spong. "Alert," p. 472 (footnote), 1884.

*Stelletta nux*, Vosmaer, Bronn's Thierreich, Porifera, p. 319, 1887.

*Sponge*.—Spherical, surface covered with tubercles, spicules scarcely projecting beyond it. Cortex thick.

*Spicules*.—I. Megascleres. 1. *Strongyle*, fusiform, 1.83 by 0.0387 mm. 2. *Dichotriæne*.

II. Microscleres. 3. *Sterraster*, oval, 0.0774 by 0.09 mm. 4. *Spheraster*, centrum large, actines conical, smooth, oxeate, numerous; diameter 0.096 mm., of centrum 0.0516