

Section 3. *Ditriæna*.

Species without cortical oxeas, but with at least two forms of triæne.

*Cydonium arabicum*, Carter.

*Geodia (Cydonium) arabica*, Carter, Ann. and Mag. Nat. Hist. ser. 4, vol. iv. p. 4, pl. i. figs. 9-16, 1869.

*Sponge*.—Globular, free or fixed ; surface hispid.

*Spicules*.—I. Megascleres. 1. *Oxea*, 2.85 by 0.0552 mm. 2. *Orthotriæne*, rhabdome 3.88 by 0.0966 mm. 3. *Protriæne*, rhabdome 5.83 by 0.0414 mm. 4. *Anatriæne*, rhabdome 5.14 by 0.0277 mm.

II. Microscleres. 5. *Sterraster*, ellipsoidal, 0.11 by 0.096 by 0.069 mm. 6. *Spheraster*, with slender, cylindrical, truncate actines, 0.025 mm. in diameter. 7. *Spheraster*, with conical actines, having rounded ends, 0.046 mm. in diameter.

*Colour*.—Grey externally, yellowish within. Size, 75 mm. in diameter.

*Habitat*.—South-east Arabia, north-east end of the island Masjie.

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

*Geodia pergamentacea*, O. Schmidt, Spong. Atlant. Gebiet., p. 69, 1870.

*Sponge*.—Parchment-like, hispid in places, cortex 0.25 mm. in thickness (O. Schmidt).

*Spicules*.—I. Megascleres. 1. *Oxea*, 2.24 by 0.038 mm. 2. *Orthotriæne*, rhabdome 1.6 by 0.032 mm., chord 0.533 mm. 3. *Anatriæne*, rhabdome 1.78 by 0.013 mm., chord 0.088 mm.

II. Microscleres. 4. *Sterraster*, ellipsoidal, 0.076 by 0.06 mm. 5. Other *Asters* (?).

*Habitat*.—Portugal.

*Remarks*.—The measurements were obtained from a type-slide presented by Schmidt to the British Museum. Schmidt's description is just two lines in length.

*Cydonium conchilegum* (O. Schmidt).

*Geodia conchilega*, O. Schmidt, Spong. Adriat. Meeres, p. 51, pl. iv. fig. 11, 1862.

*Sponge*.—Irregularly tuberoso ; surface hispid in places, bearing attached fragments of shells and stones ; cortex 1.79 mm. in thickness, chiefly composed of the sterrastral layer, ectochrote very thin. Pores in sieves overlying large incurrent chones ; oscules not distinguishable from the pores.

*Spicules*.—Megascleres. 1. *Oxea*, 2.32 by 0.032 mm. 2. *Dichotriæne*, rhabdome 2.2 by 0.032 mm., protocladi 0.052 mm., deuterocladi 0.135 mm. long. 3. *Anatriæne*, rhabdome 3.93 by 0.013 mm., cladi 0.064 mm. long, chord 0.1 mm.