

oxeate; 0·019 mm. in diameter. 5. *Somal microstrongyle*, cylindrical or fusiform, centrotylote or not, surface roughened, 0·0237 by 0·004 mm.

*Colour*.—Black externally.

*Habitat*.—Quarnero, Adriatic; Algiers.

*Remarks*.—This species is distinguished from *Erylus discophorus*, O. Schmidt, by the form of the sterraster, and the presence of microstrongyles throughout the choanosome. The measurements of the spicules were taken from a type-slide of the Adriatic example in the British Museum collection, and confirmed from preparations mounted by myself from a specimen presented me by Professor von Graff. The Algerian sponge of the same species is represented by a slide in the British Museum; it is probably correctly identified by Schmidt, though the spicules are of somewhat different dimensions; my measurements are as follows:—*Oxea*, 1·0 by 0·016 mm.; *dichotriæne*, rhabdome 0·46 mm. long; proto- and deuterocladi, each 0·108 mm. long; microstrongyle 0·057 by 0·005 mm.

*Erylus carteri*, n. sp.

*Stelletta euastrum*, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. vi. p. 489, pl. vii. fig. 41, 1880.

*Sponge*.—Lamelliform, thin, incrusting, surface even; oscules distinct, scattered singly or collected in groups.

*Spicules*.—I. Megascleres. 1. *Oxea*, 0·85 by 0·028 mm. 2. *Orthotriæne*, sometimes passing into a *dichotriæne*; rhabdome 0·56 by 0·056 mm.

II. Microscleres. 3. *Sterraster*, disciform, elliptical, very thin, actines minutely spined at the ends, 0·24 mm. long by 0·127 mm. broad and 0·042 mm. thick. 4. *Chiaster*, 0·028 mm. in diameter. 5. *Microoxea*, centrotylote.

*Colour*.—Greyish-white.

*Habitat*.—Gulf of Manaar.

*Erylus lendenfeldi*, n. sp.

*Stelletta euastrum*, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. vi. p. 490, pl. vii. fig. 42, 1880.

*Sponge*.—Ovate; surface even, dimpled; pores 0·16 mm. in diameter, the simple openings of chones, generally dispersed; oscules distinct, of different sizes, irregularly distributed.

*Spicules*.—I. Megascleres. 1. *Oxea* or *strongyle*, 0·80 by 0·025 mm. 2. *Orthotriæne*, rhabdome strongylate, 0·316 by 0·0276 mm.; cladi 0·15 mm. long.

II. Microscleres. 3. *Sterraster*, ellipsoidal, depressed, from 0·10 by 0·065 to 0·135 by 0·058 mm. 4. *Chiaster*, actines few, slender, tylote, sometimes minutely spined, 0·03 mm. in diameter. 5. *Oxyaster*, actines usually four in number, minutely over the