

*Ecionema acervus*, Bowerbank.

*Ecionema acervus*, Bowerbank, Brit. Spong., vol. i. p. 173, pl. xxviii. fig. 355, 1864; Proc. Zool. Soc. Lond., p. 322, pl. xxx. figs. 1-6, 1873. *Non* Ridley, Spong. "Alert," p. 627.

*Sponge*.—Pear-shaped, massive, pedicelled (?); surface even, minutely hispid; oscules dispersed.

*Spicules*.—I. Megascleres. 1. *Oxea*, fusiform, abruptly pointed, 4.0 by 0.067 mm.; the oxeas occurring in the axis of the sponge are smaller, 2.7 by 0.084 mm. 2. *Orthotriæne*, rhabdome, esactine strongylate, 3.03 by 0.084 mm., cladi 0.270 mm. in length. 3. *Anatriæne*, rhabdome 4.0 by 0.029 mm., cladi 0.097 mm., chord 0.116 mm. long.

II. Microscleres. 4. *Microstrongyle*, fusiform, 0.009 by 0.0026 mm. 5. *Chiaster*, with terminally tylote actines, 0.008 mm. in diameter. 6. *Spheraster*, 0.008 mm. in diameter.

*Colour*.—Dark brown in the dried state.

*Habitat*.—Fiji.

*Remarks*.—The sponge measures 56 mm. in height by 48 mm. in width; the base is broken off. The microstrongyles, usually smooth and not spined, form a layer beneath the outer epithelium, and are the predominant microsclere of the choanosome also. Minute oxeas are present in the ectosome; I have no note of their dimensions.

*Ecionema australiense* (Carter).

*Stelletta australiensis*, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. xi. p. 350, pl. xiv. fig. 2, 1883.

*Sponge*.—Large; ectosome thin; oscules and pores (?).

*Spicules*.—I. Megascleres. 1. *Somal oxea*, sometimes a strongyle, 2.18 by 0.055 mm. 2. *Ectosomal oxea*, 0.5 by 0.006 mm. 3. *Protriæne*, rhabdome pointed, or frequently strongylate; cladi also pointed or strongylate. Rhabdome 2.22 by 0.05 mm., cladi 0.2 mm., chord from 0.095 to 0.16 mm. long. 4. *Anatriæne*, rhabdome pointed or strongylate, 2.22 by 0.013 mm.; cladi short, frequently strongylate, 0.032 mm. in length.

II. Microscleres. 5. *Microstrongyle*, fusiform or cylindrical, faintly centrotylote, 0.009 mm. in length. 6. *Chiaster*, actines slender, hair-like, terminally tylote, a minute spherical centrum sometimes present, total diameter, 0.012 mm.

*Colour*.—(?) Size, 300 mm. in height by 187.5 mm. broad, and 75 mm. thick at the base.

*Habitat*.—Freemantle, west coast of Australia.

*Remarks*.—Mr. Carter has kindly afforded me an opportunity of examining mounted preparations of this species; it is an evident *Ecionema*, and represents in that genus the species *Anthastra ridleyi* amongst the *Anthastræ*.