

The following species are referred to the Theneidæ :—

Stelletta agariciformis, O. Sch., Spong. Atlant. Gebiet., p. 68, 1870.

Stelletta scabra, O. Sch., Spong. Adriat. Meer., Suppl., iii. p. 19 (probably).

Stelletta nux, Selenka,¹ regarded by Vosmaer² as a *Stelletta*, but not by Ridley, who regards it as a *Tethya*,³ is really, as slides of mounted spicules presented by Selenka to Dr. E. Perceval Wright prove, a species of Geodine sponge, nearly related to *Cydonium globostellata*, Carter, or *Cydonium eosaster*, Sollas, with one of which indeed it may be identical.

Stelletta bacca, Selenka,⁴ which Vosmaer correctly excludes from *Stelletta*, while Ridley⁵ includes it, is, as mounted preparations show, identical with *Tetilla merguensis*, Carter.

Ancorina aaptos, O. Sch.,⁶ is a Suberite. Schmidt in one of his latest writings⁷ admits that it must be excluded from the Tetractinellida.

Ancorina sigmatophora, O. Sch.,⁸ A slide bearing mounted spicules of this sponge was kindly sent me by Dr. Zeigler, but did not reach me in time for notice in its proper place; it is evidently a member of the Tetillidæ, and probably allied to *Tetilla australiensis*, Carter, or *Tetilla merguensis*, Carter. It possesses two forms of microsclere, one the usual sigmaspire, and the other a microxea, the megascleres include an oxea, protriæne, and anatriæne.

Ancorina pachastrelloides, O. Sch.,⁹ would appear to belong to the Pachastrellida, but like *Ancorina sigmatophora*, it is insufficiently characterised.

APPENDIX TO THE EUASTROSA.

Family EPIPOLASIDÆ.

Genus *Asteropus*,¹⁰ n. gen.

Epipolasidæ resembling *Stryphnus*, from which they differ only by the absence of a triæne.

Asteropus simplex (Carter).

Stellettinopsis simplex, Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. iii. p. 349, pl. xxviii. figs. 16–18, 1879.

Sponge.—Massive, convex, lobate, sessile; surface even, irregularly undulating; oscules grouped in a depression on the lower surface.

¹ *Zeitschr. f. wiss. Zool.*, Bd. xvii. p. 569, pl. xxxv. figs. 11–13, 1867.

² Bronn's *Thierreich*, Porifera, p. 319.

³ *Zeitschr. f. wiss. Zool.*, loc. cit., pl. xxxv. figs. 14, 15.

⁴ Spong. Adriat. Meer., Suppl., p. 17, 1864.

⁵ Spong. Atlant. Gebiet., p. 67, 1870.

⁶ Voyage of the "Alert," p. 472, footnote.

⁷ *Loc. cit.*, p. 472.

⁸ *Zeitschr. f. wiss. Zool.*, Bd. xlii. p. 641, 1885.

¹⁰ *αστεροπιδες*, starry.

⁹ *Ibid.*, p. 68.