

*Toxochalina robusta*, Ridley.

1884. *Toxochalina robusta*, Ridley, Zool. Coll. H.M.S. "Alert," Brit. Mus., 1884, p. 403, pl. xxxix. fig. g; pl. xli. figs. n, n'.

We identify with this species a single small, irregularly branched specimen from Bahia, which agrees very closely in microscopical structure, though of not nearly such robust growth as the type. It may be only a young specimen.

*Locality*.—Off Bahia, 7 to 20 fathoms. One specimen.

*Habitat*.—Port Jackson (Ridley, "Alert"); off Bahia (Challenger).

## Subfamily 3. TEDANIINÆ.

1886. *Tedaniina*, Ridley and Dendy, Ann. and Mag. Nat. Hist., ser. 5, vol. xviii. p. 335.

Megasclera always of two forms:—(1) *Monactinal*, styli, forming the main skeleton; (2) *Diactinal*, tylota or tornota, dermal. Microsclera always present in the form of raphides.

Two genera of this subfamily are distinguished, viz., *Tedania*, in which the stylus is smooth, and *Trachytodania*, in which it is more or less spined. In both genera the form is usually massive, amorphous, and both genera are characteristically shallow-water forms. The dermal spicules are susceptible of very great variation in the different species, being sometimes bicapitate (tylota), and at other times hastately pointed (tornota).

Genus *Tedania*, Gray (Pls. XI., XXIII., XXIX.).

1862. *Reniera*, pars, Schmidt, Spong. Adriat. Meer., p. 75, &c.

1867. *Tedania*, Gray, Proc. Zool. Soc. Lond., May 9, p. 520.

Styli smooth.

Gray's original diagnosis runs—"Sponge lobed, crested, with a lateral tube ending in an open mouth. Spicules of three kinds:—1. Clavate, needle-shaped. 2. Fusiform, very slender, elongate, sometimes flexuous. 3. Cylindrical, with rather thicker, blunt ends."

The range of external form exhibited by this genus is shown by the Challenger dredgings to be a very remarkable one indeed; hitherto known only by more or less massive or digitate specimens, we have had to add to the genus two new species, *Tedania infundibuliformis* and *Tedania actiniiformis*, characterised by very specialised, though quite different, external forms; the former (as yet known by only one specimen) being funnel-shaped, and the latter "actiniiform,"<sup>1</sup> with oscular projections on the top and a definite zone of pores.

<sup>1</sup> Like an *Actinia*.