

The species of this genus are very difficult to separate satisfactorily from one another; future researches may, very probably, by the discovery of intermediate forms, render possible the union of some which are at present described as distinct.

Tedania digitata, Schmidt (Pl. XI. fig. 3).

1862. *Reniera digitata*, Schmidt, Spong. Adriat. Meer., p. 75, Pl. vii. fig. 11.

1864. „ *ambigua*, Schmidt, Spong. Adriat. Meer., Suppl., p. 39.

1867. *Tedania digitata* et *ambigua*, Gray, Proc. Zool. Soc. Lond., May 1867, p. 520.

1868. *Reniera muggiana*, Schmidt, Spong. d. Küste v. Algier., p. 28.

This widely distributed species has been sufficiently described by previous writers;¹ a number of specimens, varying in form from massive to digitate cylindrical (Pl. XI. fig. 3), were obtained by the Challenger, off Port Jackson.

Locality.—Off Port Jackson, 6 to 35 fathoms, several specimens, mostly rather fragmentary.

Habitat.—Mediterranean (Schmidt); Atlantic (Schmidt); Antigua (Carter); Mozambique, Marie Louise Island, Amirante Group (Ridley, “Alert”); Kurrachee (Coll. Brit. Mus.). Port Jackson (Challenger); Alert and Thursday Islands and Prince of Wales Channel, Torres Strait; Port Darwin (Ridley, “Alert”).

Tedania digitata, var. *fibrosa*, nov.

A single rather large, massive specimen, distinguished from the type by the very slender spicules and the distinct primary fibre.

Spicules.—(1) Smooth styli, measuring about 0·18 by 0·005 mm.; (2) double headed cylindricals (tylota), with minutely spined heads, measuring about 0·21 by 0·0024 mm.; (3) very fine, scattered raphides.

Locality.—Off Port Jackson, 7 fathoms. One specimen.

Tedania digitata, var. *bermudensis*, nov.

A single small, massive specimen from Bermuda, of a pale yellow colour and with small scattered oscula. The skeleton is somewhat “*Isodictyal*” in arrangement but confused. The chief point of distinction concerns the styli, which are more slender than in either of the two preceding forms and appear to be blunted.

Locality.—Bermuda, West Indies. One specimen.

¹ *Vide supra*, also Ridley, Zool. Coll. H.M.S. “Alert,” Brit. Mus., 1884, pp. 417, 607.