

## SUPPLEMENTARY ACCOUNT OF SPECIES NOT CONTAINED IN THE CHALLENGER COLLECTION.

## Order LITHISTIDA, O. Schmidt.

## Suborder I. HOPLOPHORA.

## Demus I. TRIÆNOSA.

## Family I. TETRACLADIDÆ (Zittel).

Genus 1. *Theonella* (Gray).*Theonella prattii* (Bowerbank).

*Dactylocalyx prattii*, Bowerbank, Proc. Zool. Soc. Lond., p. 89, pl. v. figs. 6–11, 1869.

” ” Carter, Ann. and Mag. Nat. Hist., ser. 4, vol. xii. p. 438, 1873.

*Theonella pratti*, Zittel, Abhandl. d. k. baier. Akad. d. Wiss., Bd. i. pp. 103, 151, pl. i. fig. 9b, 1878.

*Theonella swinhoei* (*pars*), Carter, Ann. and Mag. Nat. Hist., ser. 5, vol. vi. p. 147, 1880.

*Sponge*.—Irregularly cup-shaped, pedicelled; surface even, slightly undulating. Oscules simple, small, dispersed, numerous. Pores in sieves.

*Spicules*.—I. Megascleres. 1. *Desma*, epactines smooth, cylindrical, about 0·16 by 0·047 mm.; cladi short, rapidly breaking up into numerous syzygial tubercles; zygosities terminal; crepidial axis 0·1 mm. long. 2. *Discotriæne*, rhabdome conical, strongly late, 0·125 to 0·16 mm. in length; protocladi 0·09 to 0·13 by 0·032 mm., deuterocladi 0·14 to 0·25 mm., cladial axis 0·032 mm. long. 3. *Oxea*, 0·006 mm. in diameter, length not ascertained.

II. Microsclere. 4. *Microstrongyle*, straight, bacillary, surface roughened, 0·01 by 0·002 mm.

*Colour*.—Light brown, in the dried state. Size, 100 mm. in height; major and minor axes of the brim of the cup 113 mm. and 88 mm.

*Habitat*.—East Indies (?). Possibly from the Indian Ocean, off the coast of Hindustan.

*Remarks*.—This sponge is distinguished from *Theonella swinhoei* by the characters of the excurrent canal-system, and also by the comparative minuteness of the microstrongyle, which also is straight in *Theonella pratti*, and usually curved in *Theonella swinhoei*, a distinction pointed out by Carter.

*Theonella ferruginea*, Haeckel.

*Theonella ferruginea*, Zittel, Abhandl. d. k. baier. Akad. d. Wiss., Bd. i. pp. 103, 151, pl. i. fig. 9a, 1878.

This species has not been described; it rests on an illustration given by Zittel (*loc. cit.*).