

*Tetilla gravata*, Hyatt.

*Tetilla gravata*, Hyatt, Johnson's New Universal Cyclopædia, vol. vi. p. 1668, fig. 1, 1878.

*Sponge* rounded, cylindrical, one or more large oscules at the summit; surface finely but densely hispid; size, 100 mm. in height by 100 to 150 mm. in diameter.

*Spicules*.—I. Megascleres. 1. *Oxea* fusiform, distal actine shorter and more abruptly pointed than the proximal; 2.0 by 0.016 mm. 2. *Protriæne*, rhabdome 3.5 by 0.01 mm.; cladi 0.035 mm. long. 3. *Trichodal protriænes* marginal to the pore-areas. 4. *Anatriæne*, rhabdome 3.5 by 0.006 mm.; cladi 0.04 mm. long, chord 0.04 mm.

II. Microsclere. 5. *Sigmaspire*, 0.013 mm. long.

*Habitat*.—Buzzard's Bay, Massachusetts, North America.

*Remarks*.—This sponge is distinguished by its disproportionately small spicules; the cladomes of the triænes are also much smaller than usual. There is a fine specimen in the British Museum Collection; this I have examined, but have not seen Professor Hyatt's description; for the reference to it I am indebted to the kindness of Professor A. C. Verrill.

*Tetilla geniculata*, Marenzeller.

*Tetilla geniculata*, E. von Marenzeller, Poriferen, &c., von Jan Mayen, 1886, p. 5, pl. i. fig. 4 (published in Die Internationale Polarforschung, 1882-83, Die oesterreichische Polarstation Jan Mayen, Bd. iii.).

*Sponge*; a fragment, bearing a single oscule, 4.0 mm. in diameter on its intact upper surface.

*Spicules*.—I. Megascleres. 1. *Oxea*, 5.0 by 0.03 mm. 2. *Trichodal protriæne*. 3. *Protriæne* with cladi of unequal length. 4. *Anatriæne*, rhabdome 10.0 mm. and over in length.

II. Microsclere. 5. *Sigmaspire* with a central spherical thickening of the spire (centrotylote) 0.013 mm. long.

*Habitat*.—Jan Mayen, 191 to 216 fathoms.

*Remarks*.—This species, which is fully described and illustrated by its author, is distinguished from all others of the genus by the characteristic centrotylote sigmaspires.

*Tetilla japonica*, Lampe.

*Tetilla japonica*, W. Lampe, Eine neue Tetractinelliden form mit radiärem Bau.<sup>1</sup>

*Sponge* ellipsoidal; bearing a single circular oscule at the summit; produced into rooting filaments at the base; surface hispid, with projecting spicules, raised into

<sup>1</sup> Inaugural Dissertation, 1886, pp. 1-18, pl. i. Reprinted from the *Archiv f. Naturgesch.*