

Colour.—A deep cream-yellow. Size, 263 mm. long by 225 mm. wide by 137 mm. high.

Habitat.—Vigten Island, Norway; depth, 100 fathoms (Rev. Dr. Norman's collection).

Section *Monotriæna*.

Synops (?) *media*, Bowerbank.

Geodia media, Bowerbank, Proc. Zool. Soc. Lond., p. 13, pl. ii. figs. 24–29, 1873.

Sponge.—Massive, sessile; oscules comparatively large; cortex 0.56 mm. in thickness, composed chiefly of sterrasters; ectochrote thin, containing minute asters (No. 5).

Spicules.—I. Megascleres. 1. *Oxea*, 1.51 by 0.032 mm. 2. *Plagiotriæne*, rhabdome 1.12 by 0.45 mm., cladi 0.254 mm. long, chord 0.32 mm.

II. Microscleres. 3. *Sterraster*, ellipsoidal, 0.11 by 0.088 mm. 4. *Somal spheraster*, minute, with truncated cylindrical actines, 0.006 mm. in diameter. 5. *Choanosomal oxyaster*, 0.026 mm. in diameter.

Colour.—Pale buff-yellow in the dried state. Size, about 20 by 30 mm.

Habitat.—Mexico.

Remarks.—The presence of large, simple, congregated oscules distinct from the pores leads us to assign this species to *Synops*. The measurements of the spicules were made from type-slides in the British Museum.

Synops pyriformis, Vosmaer.

Synops pyriformis, Vosmaer, Spong. "Willem Barents," p. 20, pl. iii. figs. 52–63; pl. iv. figs. 119, 154, 1882.

Sponge.—Pyriform, small roots proceeding from the base; oscules confined to a depression on the summit; surface strongly hispid by the projection of the radial oxeas. Cortex 1.25 to 1.5 mm. thick, ectochrote reduced to a single layer of subepithelial spherasters.

Spicules.—I. Megascleres. 1. *Oxea*, fusiform, often becoming strongylate, 6.6 by 0.08 mm. 2. *Orthotriæne*, 5.4 by 0.09 mm., chord 1.43 mm.

II. Microscleres. 3. *Sterraster*, ellipsoidal, about 0.13 by 0.10 mm. 4. *Somal spheraster*, with a well-developed centrum produced into numerous conical, sharply pointed actines, 0.016 mm. in diameter. 5. *Choanosomal oxyaster*, actines stout, conical; 0.07 mm. in diameter.

Colour.—Pale ochreous to faintly pink. Size, 120 mm. in height by 100 mm. in maximum diameter.

Habitat.—Lat. 71° 12' N., long. 20° 30' E.; near Hammerfest; depth, 135 fathoms.