

Remarks.—This is a very distinct species of *Synops*, characterised by more than usually large megascleres. As in all other species of the genus anatriænes are absent, or if present so remarkably rare that they may be disregarded. I saw one or two cladal ends of these spicules in the choanosome, they were evidently foreign to the sponge and had been incorporated; possibly the presence of those mentioned by Vosmaer is to be similarly explained. The chamber system, of which Vosmaer professed to be unable to make out all the details, is precisely similar in all respects to that of other members of the genus; this and the dimensions of the spicules I was able to ascertain by examination of a fine specimen which I owe to the kindness of its describer.

Genus *Isops*, Sollas.

Section *Ditriæna*.

Isops phlegræi, Sollas.

Isops phlegræi, Sollas, Ann. and Mag. Nat. Hist., ser. 5, vol. v. p. 396, pl. xvii.

Sponge.—More or less spherical; surface hispidated by projecting megascleres. Cortex about 0.64 mm. in thickness, consisting chiefly of the sterrastral layer, both the inner fibrous layer and the ectochrote being very thin, the latter containing a layer of somal spherasters. Oscules and pores similar, small.

Spicules.—I. Megascleres. 1. *Oxea*, 6 by 0.063 mm. 2. *Plagiotriæne*, rhabdomé 4 by 0.425 mm., cladi 0.6 mm. in length; sometimes becoming dichocladose. 3. *Protriæne*, rhabdome long, 0.02 mm. in diameter. 4. *Anatriæne*, rhabdome similar.

II. Microscleres. 5. *Sterraster*, ellipsoidal, 0.09 mm. in diameter. 6. *Somal spheraster*, centrum comparatively small, actines conical, oxeate numerous, diameter 0.012 mm. 7. *Choanosomal spheraster*, centrum comparatively small, actines long, conical, oxeate, somewhat numerous, from 0.02 to 0.07 mm. in diameter.

Colour.—Faint grey. Size, 25 mm.

Habitat.—Kors Fjord, Norway (Norman); depth, 180 fathoms.

Isops phlegræi, Sollas (?).

Isops pallida, Vosmaer, tom. cit., p. 16, pl. i. figs. 9, 15; pl. ii. figs. 22–26, 29–38; pl. iv. fig. 117, 1882.

Sponge.—Ellipsoidal or pyriform, the basal part bears small papillary processes (traces of roots, Vosmaer).

Spicules.—I. Megascleres. 1. *Oxea*. 2. *Tylotoxea*. 3. *Orthotriæne*. 4. *Dichotriæne*. 5. *Anatriæne*.