

(6) *Schizoporella tenuis*, n. sp. (Pl. XX. fig. 10).

Character.—Zoarium very delicate, expanded, unattached. Zoecia quadrangular, flattened or depressed in front, separated by thin raised septal ridges; surface punctate. Mouth orbicular, with a wide shallow sinus in front, and on the sides a minute articular notch. Peristome thin, slightly raised in front. A minute round or oval, quite immersed avicularium at each intersection of the vertical and transverse interzoecial septa. Oœcia 0?

Habitat.—Off Honoruru, Sandwich Islands, 20 to 40 fathoms. Simon's Bay, Cape of Good Hope.

At first sight bearing a general resemblance to many of the various Lepralioid forms, known as *Lepralia* (*Schizoporella*, Hincks) *unicornis*, *ansata*, &c., the present species appears to be distinguished (1) by the perfectly flat or concave anterior surface of the cells; (2) by the form of the mouth, which, instead of being semicircular with an emarginate lower lip, is more of the rounded clithridiate form, assigned by Prof. Smitt to his hippothoan species; (3) by the circumstance that the lateral avicularia are placed quite in the angles formed by the transverse and longitudinal interzoecial septa, and that they are of much smaller size or more deeply immersed than in any of the forms placed under *Lepralia unicornis* or *Lepralia ansata*, and have a semicircular, extremely minute mandible. With respect to these avicularia, it may be mentioned that they are fully formed, as it would seem, before the completion of the zoecia themselves, as may be seen at the growing edge, so that they might perhaps be described as belonging more to the general zoarial whole than to any particular zoecial compartment of it.

(c) Adnate (lepralian).

(7) *Schizoporella elegans*, d'Orbigny (Pl. XXII. fig. 8).

? *Escharina elegans*, d'Orb; Voy. en Amér. Mérid.

? *Lepralia squamoidea*, Reuss, Oberoligacäns, p. 19, pl. xv. fig. 5, and Bryoz. des Sept. p. 56, pl. vii. fig. 3; Manzoni, Castracaro, p. 29, pl. iv. fig. 46.

Habitat.—Station 142, lat. 35° 4' S., long. 18° 37' E., 150 fathoms, green sand (parasitic on an *Adeonella*). Station 148, lat. 46° 47' S., long. 51° 37' E., 210 to 500 fathoms, hard ground, gravel and shells.

(8) *Schizoporella marsupifera*, n. sp. (Pl. XXII. fig. 14).

Character.—Zoecia irregularly hexagonal, slightly convex in front; surface pearly, glistening, very finely granular; disposed quincuncially and separated by raised septa. Orifice orbicular, emarginate, peristome thin, furnished very rarely with two long oral