

(a) Bilaminar (escharan).

(1) *Schizoporella furcata*, n. sp. (Pl. XXI. fig. 5).

Character.—Zoarium (small), furcate; branches subcylindrical, tapering (0''·05 to ·055 wide). Zoœcia immersed, oblong, separated by thin septa. Surface punctate. Mouth semicircular, with a wide shallow sinus in the lower lip. Sometimes, but rarely, a very small avicularium on one shoulder. Oœcia lofty, convex, and prominent in front, but deeply imbedded in the superjacent zoœcium; surface finely granular; with an arched line on either side, the two converging so as to form a slight keel on the front.

Habitat.—Off Honoruru, Sandwich Islands, 20 to 40 fathoms.

There is sometimes a small membranous web filling up the angles of the branches of the zoarium.

(b) Unilaminar (hemescharan).

(2) *Schizoporella nivea*, n. sp. (Pl. XVII. fig. 1).

Character.—Zoarium expanded, foliaceous, free, of a milk-white colour. Zoœcia quincuncial, but serial; quadrangular, slightly convex in front and separated by fine septal ridges; surface uniformly punctured. Orifice suborbicular, slightly sinuated below. A small rounded papillary elevation at each upper angle, not apparently avicularian, but closed. Oœcium globose, large, punctured uniformly with the wall of the zoœcium. The dorsal surface of the zoœcia entire and smooth.

Zoœcia 0''·025; orifice 0''·0075 wide.

Habitat.—Station 142, lat. 35° 4' S., long. 18° 37' E., 150 fathoms, green sand.

(3) *Schizoporella longispinata*, n. sp. (Pl. XVII. fig. 2).

Character.—Zoarium small, partially attached by calcareous matter but mostly free. Zoœcia quincuncial, completely immersed, but convex in front, broadly ovate; at the growing margin subventricose. Surface irregularly verrucose. Orifice orbicular, emarginate, unchanging. Peristome rather thick, with six very long, acute, usually terete but sometimes compressed, articulated and jointed oral spines; sometimes bifid at the point. An erect, acutely pointed avicularium on one side of the orifice, with an acute slender mandible pointing directly upwards. Oœcium globose, smooth and polished, with a sinus or notch on each side at the bottom, the anterior border of its opening descending so as to completely conceal the opening, and the whole oœcium