

14. *Gemellipora*, Smitt.*Gemellipora* (pars), Smitt, Florid. Bryoz., p. 37.

*Character*.—Zoarium erect and ramose, or crustaceous and adnate. Mouth elongate pyriform with an articular notch on each side below. Operculum of corresponding pyriform shape. A median immersed avicularium; either above or below the mouth.

## (a) Erect and ramose (escharan).

(1) *Gemellipora glabra*, Smitt (Pl. XXV. fig. 3).*Gemellipora glabra* (*forma typica*), Smitt, *loc. cit.*, p. 37, pl. xi. figs. 208-210.

*Character*.—Zoarium erect, cylindrical, irregularly branched. An orbicular immersed avicularium above most of the orifices; four or five curved rigid oral spines above.

*Habitat*.—Off Bahia, 10 to 20 fathoms, mud.

[Gulf of Florida, 36 to 42 fathoms, Pourtalès; John Adams' Bank, H.M.S. "Herald."]

In the older parts the zoecia are completely immersed at the oral end, presenting only a slight tubercular projection surrounding a deep circular pit, within which the primary orifice is scarcely discernible. At the same time the supra-oral avicularium becomes either entirely obliterated, or is represented merely by a small pit.

I have retained Prof. Smitt's generic name, being reluctant unnecessarily to create a new one, although the appellation which was doubtless suggested by the habit of the zoarium in *Pasythea eburnea*, is no longer appropriate. Reluctant as I am to differ from Prof. Smitt, where it is possible to agree with him, I must confess that the generic and specific characters of *Pasythea* (*Gemellipora*) *eburnea*, and of *Gemellipora glabra* and *Gemellipora striatula* appear to me such as to render it impossible to associate them even remotely. Leaving out of consideration the other numerous points of difference, there is no resemblance even in the shape of the orifice upon which perhaps undue importance in many cases has been placed.

In the few fragmentary specimens afforded by the Challenger Collection I have failed to perceive any of the larger avicularia on the front of the cells noticed by Prof. Smitt. The peculiar curvature of the oral spines is well shown in his figure.

## (b) Adnate (lepralian).

(2) *Gemellipora cribritheca*, n. sp. (Pl. XXXIII. fig. 5).

*Character*.—Zoecia completely immersed, with very indistinct outline, surface closely punctate; flattened in front. Peristome very thin and quite level with the surface. A