

Dimensions.—Length of the shell (with sixteen joints) 0·3, basal breadth 0·12. Length of each single joint (on an average), 0·02.

Habitat.—Western Tropical Pacific, Station 225, depth 4475 fathoms.

7. *Artopilium stichopterygium*, n. sp. (Pl. 75, fig. 8).

Stichopterygium tanypterum, Haeckel, 1881, Prodrömus, p. 439, et Atlas.

Shell slenderly ovate, subconical, with five deep strictures. The four lower joints are nearly equal in length, each about twice as long as each of the first two joints. The fourth and fifth joints are the broadest. Along the whole shell arise three broad, triangular wings, which envelop the long, slender, pyramidal horn of the cephalis. In the delicate and loose lattice-work of each wing is a longitudinal series of six large, ovate apertures, one on each joint. The small pores of the shell are irregular, polygonal, or roundish.

Dimensions.—Length of the shell (with six joints) 0·17, breadth 0·08. Length of each of the four lower joints 0·03, of each of the two upper joints 0·015.

Habitat.—Central Pacific, Station 272, depth 2600 fathoms.

8. *Artopilium anomalum*, Haeckel.

Eucyrtidium anomalum, Haeckel, 1862, Monogr. d. Radiol., p. 323, Taf. vii. figs. 11–13.

Lithocampe anomala, Haeckel, 1860, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 839.

Stichopterygium anomalum, Haeckel, 1881, Prodrömus, p. 439.

Shell five-jointed, with four internal septa, of a peculiar, irregular, and abnormal form. Cephalis small, hemispherical, with an oblique, curved horn. Thorax inflated, campanulate, with three large, latticed, and carinated protuberances. The third joint (the first abdominal joint) nearly as large as the thorax, two to three times as long as the two last joints, the septa of which are connected in a peculiar manner by a common nodal point on one side. Pores subregular, circular. (Compare the detailed description of this remarkable species—perhaps the type of a peculiar genus, *Stichopterygium*—in my Monograph, *loc. cit.*)

Dimensions.—Length of the shell (with five joints) 0·15, breadth 0·1.

Habitat.—Mediterranean (Messina), surface.

Genus 628. *Pteropilium*,¹ n. gen.

Definition.—Stichopilida (vel Stichocyrtida triradiata aperta) with three latticed external ribs or wings, without terminal feet. No horn upon the cephalis.

The genus *Pteropilium* (confounded by Ehrenberg with *Pterocanium*) differs from this three-jointed form by addition of new terminal joints. The shell-form is in general the same as in the preceding species, from which it may be derived by phylogenetic loss of the cephalic horn.

¹ *Pteropilium* = Winged hat; πτερόν, πῆλιον.