

Hyalinæcia tubicola, O. F. Müller, var. *papuensis*.

Habitat.—This variety was dredged at Station 186 (Torres Strait), September 8, 1874; lat. 10° 30' S., long. 142° 18' E.; depth, 8 fathoms; sea-bottom, coral mud.

The dorsal cirri as well as the branchiæ are short. The latter commence on the twenty-fifth foot. The proportions of the feet also differ. Thus the dorsal cirrus of the tenth foot has a larger base, and is shorter than in the typical form, and the boss or knob of the setigerous region is round. The bristles are similar, but the posterior hooks in var. *papuensis* have shorter and thicker forks.

The left great dental plate (Fig. 91) has eleven teeth, the right nine; left lateral paired plate six and a few crenations; unpaired ten. The right lateral has about nine and a few crenations at the inner end. The mandibles are not ankylosed.

In minute anatomy this agrees with the typical examples, the great transverse muscle passing from side to side over the nerve-area being conspicuous.

This approaches the *Hyalinæcia brevicirris* of Grube¹ from Eastern Australia, though no eyes are present, and the serrations of the dental plates slightly diverge.

Hyalinæcia benthaliana, n. sp. (Pl. XL. fig. 3; Pl. XXIA. figs. 15, 16).

Habitat.—A small specimen (dried) was trawled at Station 158 (a point considerably south of Australia), March 7, 1874; lat. 50° 1' S., long. 123° 4' E.; depth, 1800 fathoms; bottom temperature 33°·5, surface temperature 45°·0; sea-bottom, Globigerina ooze.

Unfortunately its condition is such that little can be said about it further than that its posterior hooks differ materially from those of *Hyalinæcia tubicola* in having the upper fang much less produced, and the angle between the two acute and narrow. A specimen from one of the posterior feet is figured in Pl. XXIA. fig. 15. It approaches Kinberg's *Onuphis intermedia* in regard to the shape of this process. No evidence of branched branchiæ, however, is noticeable. These organs are simple. The greyish-white intestinal pellets are chiefly composed of Diatoms.

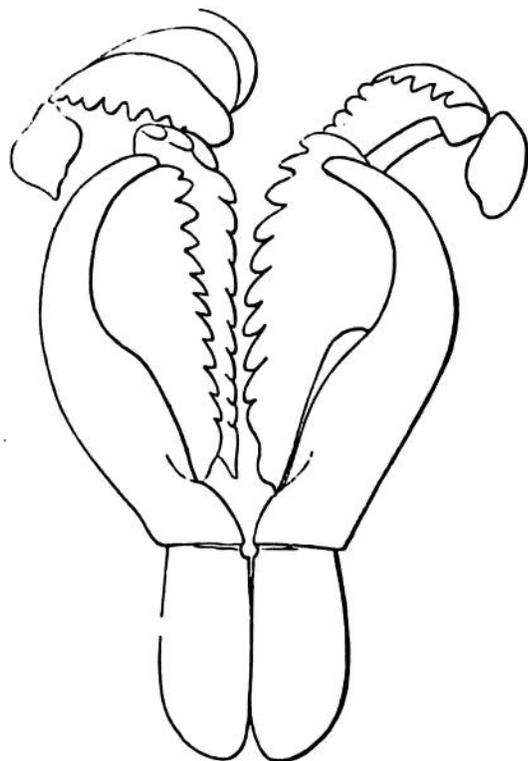


FIG. 91.—Maxillæ and dental plates of *Hyalinæcia tubicola*, O. F. M., var. *papuensis*; $\times 24$ diameters.

¹ *Monatsber. d. k. preuss. Akad. d. Wiss. Berlin*, 1877, p. 527.