

Together with the two large specimens of *Metacrinus nobilis* which agree very well in their general characters, there was also obtained a fragment of stem which appears to belong to this species. The internodes are much shorter than in the type, and contain a number of thin joints which are evidently newly formed; while there are traces of inter-articular pores in its upper portion. As, however, the cirri are all directed downwards it is possible that the individual was in a semi-free condition, with a comparatively short stem like *Pentacrinus maclearanus* (Pl. XVI.) or *Pentacrinus alternicirrus*. At one of the nodes a cirrus-socket is totally undeveloped; and the same appears to be the case at another node farther down the stem, where a large *Verruca* covers the whole of one side of the nodal joint, also extending on to those above and below it.

Besides the two large specimens mentioned above there was also obtained at Station 192 a smaller individual which agrees so closely with the type of this species that I find some difficulty in separating it, although the two forms appear at first sight to be totally different. The stem, which is much more rounded than in the type (Pl. XLI. figs. 7, 8), is barely 5 mm. in diameter; and although the internodal joints are generally smooth, their angles are sometimes slightly produced outwards, while indications of horizontal ridges appear here and there below the twelfth node. The grouping of the arm-divisions is essentially the same as in the larger type, so far as can be made out in the fragmentary condition of the dried specimen; and in default of further information respecting its characters, I do not see how to classify it otherwise than as an immature or smaller variety of *Metacrinus nobilis*.

5. *Metacrinus varians*, n. sp. (Pl. XLIV.; Pl. XLVII. figs. 6-12).

Dimensions.

Length of stem to thirty-second node,	. . . . .	34.00 cm.
Diameter of stem,	. . . . .	5.25 mm.
Longest cirrus (fifty joints),	. . . . .	40.00 "
Diameter of calyx,	. . . . .	8.50 "
Length of arm (ninety joints beyond palmar axillary),	. . . . .	85.00 "
Length of distichal pinnule (eighteen joints),	. . . . .	16.00 "
Length of first pinnule after palmar axillary (nineteen joints),	. . . . .	12.00 "

Stem moderately robust, with a simple pentagonal outline, its sides being nearly flat, and scarcely grooved at all. Six to ten internodal joints (usually eight or nine), with smooth sides and but faintly crenulated edges. Nodal joints bluntly stellate, with moderately wide sockets which take up their whole height, extending well downwards on to the infra-nodals and also upwards on to the supra-nodals. Cirri of forty-five to fifty very uniform joints, the lowest of which are but little wider than their successors; the