

CONTRIBUTIONS TO THE FAUNA OF THE CHAZY LIMESTONE ON VALCOUR ISLAND, LAKE CHAMPLAIN

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The following descriptions have been made in order to facilitate the study of a section in the Chazy rocks on Valcour island. All the species were obtained from the beds of this section.

CYSTOIDEA

Genus *MALOCYSTITES* Billings

Malocystites emmonsii sp. nov.

Plate 1, figures 3-7

Description. Viewed from above along an axis determined by the point of attachment to the stem and the center of the more globular portion of the theca, and with the food grooves or what I may call the sigma, turned away from the observer, the anus appears to be placed a little to the left and more or less in advance of the summit; this axis measures from 6 to 10 mm. Viewed from the right side, that portion of the theca bearing the rather prominent plates of the sigma is seen to be produced so as to form a distinct and somewhat contracted neck with the mouth from 40 to 80 degrees in advance of the distal end of the axis as defined above; the edge of the theca from base to anterior food groove is much flattened forming in most cases a rather straight line or chord of from 90 to 140 degrees; the posterior edge is also rather straight or but slightly convex, forming a chord of some 45 degrees from base; from here the outline is usually well rounded to neck under edge of posterior food groove, though some specimens are rather obliquely oval or subovate in outline; the longest diameter is from base to outer edge of posterior food groove and is from one fifth to one fourth longer than the measured vertical diameter. There are on an average some 43 plates in all, not counting the covering pieces, and their outlines usually vary from tetragonal to heptagonal. Some of the specimens