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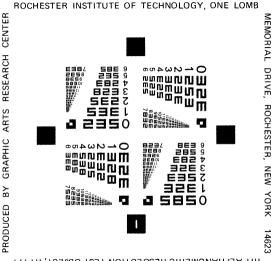
CYSTOIDS FROM THE TRENTON ROCKS OF MICHIGAN

BY RUSSELL C. HUSSEY



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(Continuation of Contributions from the Museum of Geology)

UNIVERSITY OF MICHIGAN

Editor: EUGENE S. MCCARTNEY

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(Continued on inside of back cover)

CYSTOIDS FROM THE TRENTON ROCKS OF MICHIGAN

By RUSSELL C. HUSSEY

THE cystoids described and illustrated in this paper were collected during the summer of 1927 from an outcrop of Trenton limestone exposed along the Escanaba River, three miles north of the city of Escanaba, Michigan. The rock at this locality is very fossiliferous but well-preserved specimens of cystoids are exceedingly rare.

Class CYSTOIDEA VON BUCH GENUS PLEUROCYSTITES BILLINGS PLEUROCYSTITES SQUAMOSUS Billings (Plate I, Figs. 1, 3)

Description. — The specimen shows only the antanal side, the anal side being embedded in the hard limestone matrix. The calyx has been somewhat distorted by crushing but nearly all the plates are well shown and the sutures can easily be traced. The column is round, tapering distally, with the projecting edges of the segments vertically striated; the segments are separated from each other by deep grooves which become shallow distally where the segments are also thicker. The surface of the plates is granular. On a few plates there are traces of concentric lines running parallel with the margin. Basal pectinorhomb narrow, about 1.5 mm. wide and 5 mm. long, with the longer axis running in the same direction as the length of the calyx. The longer axes of the two upper pectinorhombs are transverse to the length of the calvx. The chief distinction between Pleurocystites filitextus and P. squamosus is in the plates on the anal side. In the former the anal area is covered with forty or fifty plates; in the latter the area is covered with several hundred very small plates.

Horizon and Locality. — Specimen found by E. C. Case. Trenton limestone, Escanaba River, three miles north of Escanaba, Mich., Loc. 8, Zone 2. Expedition of 1927. No. 10346, Museum of Paleontology, University of Michigan.

PLEUROCYSTITES SQUAMOSUS Billings

(Plate I, Figs. 2, 6)

Description. — This specimen shows the great size of the anal area which was originally covered by a great number of very small plates; these plates have been crushed inward and a number of them still adhere to the inner surface of the plates on the antanal side.

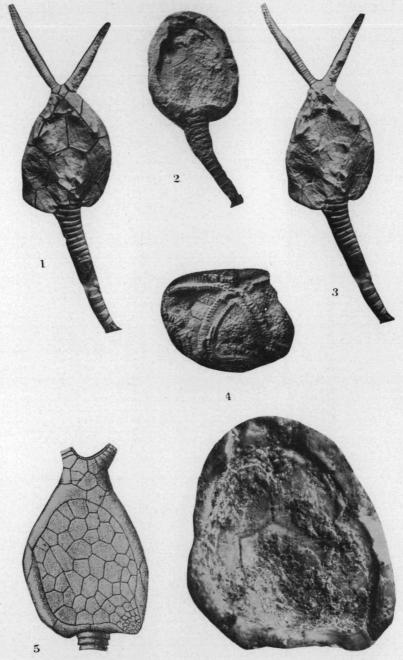
Horizon and Locality. — Specimen found by the author. Trenton limestone, Escanaba River, three miles north of Escanaba, Mich., Loc. 8, Zone 2. Expedition of 1927. No. 10348, Museum of Paleontology, University of Michigan.

GENUS EDRIOASTER BILLINGS EDRIOASTER BIGSBYI Billings

(Plate I, Fig. 4)

Description. — The specimen is partly embedded in the hard limestone matrix and has been somewhat distorted by crushing. Diameter of body as exposed 35 mm. Ambulacural areas covered by quadrangular plates which alternate with each other in the center of the area. Interambulacural plates covered with blunt tubercles.

Horizon and Locality. — Specimen found by E. C. Case. Trenton limestone. Escanaba River, three miles north of Escanaba, Mich., Loc. 8, Zone 2. Expedition of 1927. No. 10347, Museum of Paleontology, University of Michigan.



EXPLANATION OF PLATE I

FIGURES

- 1, 3. Pleurocystites squamosus Billings
 - 1. Antanal side, with sutures inked. Natural size
 - 3. The same specimen shown in Figure 1, but without the sutures inked. Natural size
 - 5. Pleurocystites filitextus Billings. After Jaekel.
- 2, 6. Pleurocystites squamosus Billings

 - Anal side showing the great size of the anal area. Natural size
 The same specimen shown in Figure 2 enlarged a little over two times, showing some of the very small plates originally covering the anal area
 - 4. Edrioaster bigsbyi (Billings). Natural size

(Continued from inside of front cover)

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