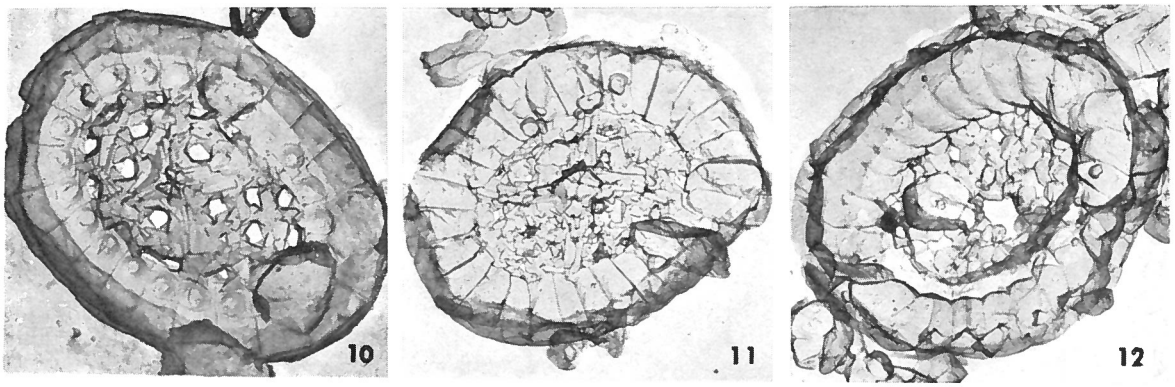
Ethmorhabdus camaratus BUKRY, 1969



Figs. 10-12 — *Ethmorhabdus camaratus* BUKRY, n. sp., 10) distal view, x 8750; 11) holotype, distal, x 5490; 12) proximal, x 6460.

Description:

Eccentricities of the smooth elliptical outline are 1.2 to 1.3. The distal rim is a single, broad cycle of 22 to 30 (27 mean) straight-sutured elements that are radial or inclined very slightly counterclockwise. In proximal view, the proximal rim is a single cycle of 23 essentially radial elements with slightly arcuate sutures. The central area is composed of a monolamellar, perforated cone and crossbar-stem combination that is arched distally. Small cycles of 4 or 5 elements outline 9 to 18 polygonal openings. The interlocked cycles make up the central area. The cycle elements are of such a thickness that the perforations are recessed in both proximal and distal views. The entire central area occupies 50 to 61 percent (57 percent mean) of the total shield length. A narrow X-shaped crossbar, made of a few narrow elements, is asymmetric to the ellipse axes. The long bar may curve very slightly sinistrally as it nears the rim, but is usually straight. At the center is a narrow, solid stem composed of 4 or 5 elongate elements.

Maximum diameter: 10 μ.

Remarks:

The perforation structures are similar to those of *Nephrolithus* species, which have different rims, however, and lack crossbars. No other species of *Ethmorhabdus* has this type of central area.

Type level:

Middle? Campanian, *Belemnitella mucronata* Zone (Craie de Meudon).

Known range: Campanian.

Type locality:

Meudon, France.

Occurrence: France, Germany, Texas.

Depository:

Geology Department of the University of Illinois, Urbana, Illinois. Holotype, UI-H-2816, distal view (fig. 11). Primary paratype, UI-H-2815, proximal view (fig. 12). Other paratypes: UI-H-2811 through UI-H-2815, UI-H-2817.

Author:

Bukry D., 1969, p. 37; pl. 15, figs. 10-12.

Reference:

Upper Cretaceous Coccoliths from Texas and Europe. Univ. Kansas Paleont. Contr., Art. 51, (Protista 2), 79 pp., 40 pls., 1 text-fig.