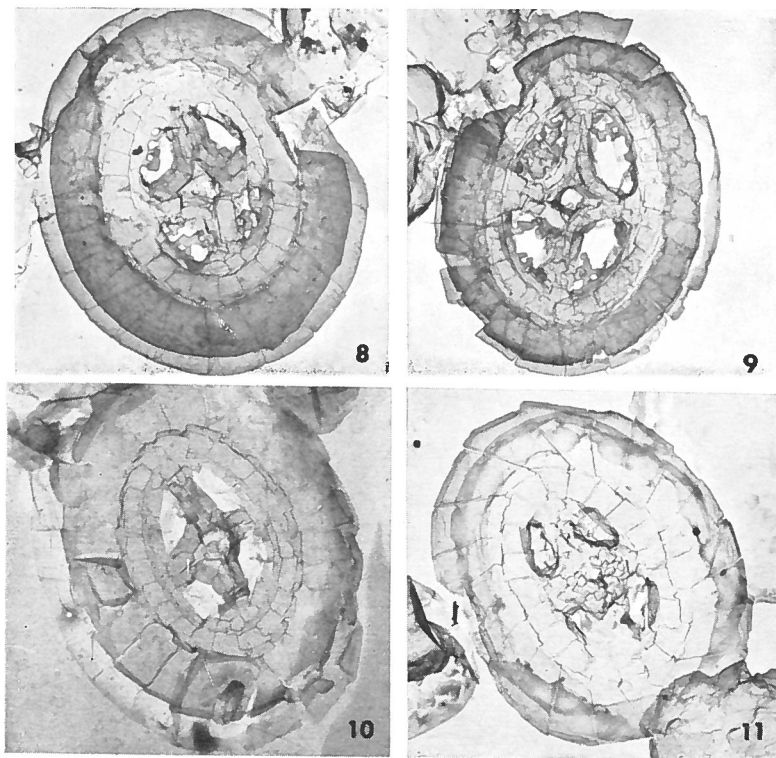


Podorhabdus quadriperforatus BUKRY, 1969



Figs. 8-11 — *Podorhabdus quadriperforatus* BUKRY, n. sp. 8) holotype, proximal view, x 9440; 9) proximal, x 8750; 10) proximal, x 9440; 11) distal, x 9980.

Description:

The distal shield is distinctly larger than the proximal shield. Each is elliptical, with eccentricities of 1.3. In distal view, a broad outer rim cycle, narrow inner cycle, and rather large central opening spanned by axial crossbars are seen. A short hollow central stem occurs at the crossbar center. The 17 to 25 (20 mean) elements of the outer cycle imbricate slightly dextrally and incline slightly counterclockwise. The inner cycle is made of 18 to 26 (21 mean) square-outlined elements with radial sutures and no significant imbrication. Each crossbar arm is constructed of 2 lateral rows of small elements. In proximal view the outer cycles of both the proximal and distal shields are slightly imbricated dextrally and have essentially radial sutures. The inner cycle of the proximal rim duplicates the inner cycle of the distal rim. The most distinctive feature of the proximal shield occurs only in well-preserved specimens. A reticulate plate covers the base of each of the 4 central openings. The 4 plates are generally broken, but may contain approximately 12 small pores when intact.

Maximum diameter: 12 μ .

Remarks:

Specimens retaining portions of the reticulate plates were encountered only in the lower Taylor Marl.

Type level:

Early Campanian (Lower Taylor Marl).
Known range: Santonian-Campanian.

Type locality:

Lake Waxahachie, Ellis County, Texas, U.S.A.
Occurrence: Texas and Nebraska.

Depository:

Geology Department of the University of Illinois, Urbana, Illinois. Holotype, UI-H-2887, proximal view (fig. 8). Primary paratype, UI-H-2884, distal view (fig. 11). Other paratypes, UI-H-2883 through UI-H-2886, UI-H-2888, UI-H-2889.

Author:

Bukry D., 1969, p. 38; pl. 16, figs. 8-11.

Reference:

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