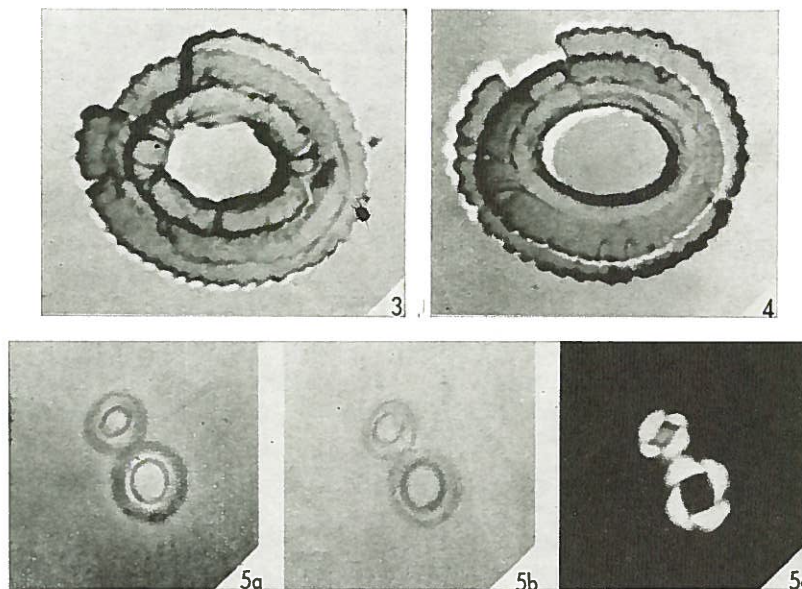


Coccolithus minutulus GARTNER, 1967



FIGS. 3-4, 5a-c — *Coccolithus minutulus* GARTNER. - 3-4. Electron micrographs, x 10,000; 3, distal view, 4, proximal view. - 5. Light micrographs, x 2,500; 5a, phase contrast; 5b, bright field; 5c, cross-polarized light. (Figs. 5a, b, c, holotype).

Description:

Small, elliptical placolith with collar protruding distally; central area open; shields constructed of about 45 imbricate elements with subradial sutures.

Remarks:

This diminutive placolith has an unusually coarse collar that protrudes distally. As in most elliptical placoliths, the collar is continuous with the proximal shield. The elements that make up the shields are about 0.1μ across and therefore are not distinguishable with a light microscope. Its minute size distinguishes this species from associated forms in the light microscope and electron microscope. It differs from *Coccolithus huxleyi* (LOHMANN, 1902) in not having a gap between adjacent elements of the shield.

Type level:

Neogene.

Type locality:

200-cm. depth of core 64-A-9-5E, Sigsbee knolls, Gulf of Mexico.

Occurrence. — This species was found in core 64-A-9-5E from Sigsbee knolls, Gulf of Mexico.

Depository:

Not given.

Author:

Gartner S., Jr., 1967, p. 3; pl. 5, figs. 3-4, 5a, b, c.

Reference:

Calcareous Nannofossils from Neogene of Trinidad, Jamaica, and Gulf of Mexico. Paleont. Contrib. Univ. Kansas, paper 29, pp. 1-7, pls. 1-10.