

**Reticulofenestra alabamensis** ROTH, 1970

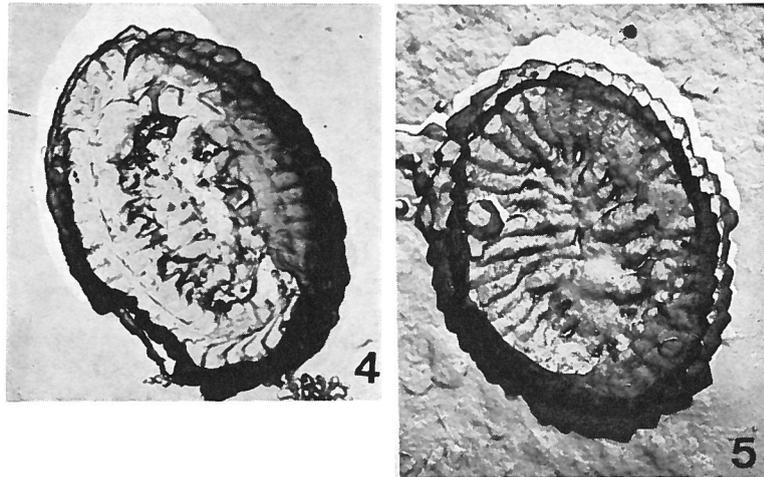


Fig. 4 — *Reticulofenestra alabamensis* n. sp. Holotype A 600 360 [A 823],  
x 15000, distal view, Red Bluff Fm., base, Alabama.  
Fig. 5 — *Reticulofenestra alabamensis* n. sp. Paratype A 600 257 [A 824],  
x 15000, proximal view, Red Bluff Fm., base, Alabama.

**Description:**

Diagnosis: A small species of *Reticulofenestra* with narrow slits along the outer margin of the central grille.

Description: The distal shield is composed of two cycles of elements. The outer cycle contains 35-40 tabular elements which are strongly dextrally imbricate. The suture lines are radial at the periphery and bend sharply counterclockwise towards the center. The inner cycle is built of sinistrally imbricate tabular elements which are continuous with the bars of the central grille. There are slits between the bars of the grille along the periphery. These bars join in the center and form a slightly elevated area with irregular perforations. The central area is about half as large as the whole coccolith. The proximal shield is only a little smaller than the distal shield and is constructed of 35-40 wedge-shaped segments which are sinistrally imbricate. About every other element extends inwards as one of the grid bars. The intercalated elements end at the margin of the central area and form a slit.

Length: holotype 3.2  $\mu$ , paratype 3.2  $\mu$ .

**Remarks:**

This species is distinguished from *Reticulofenestra foveolata* (REINHARDT) by a relatively smaller central grille area and by having an outer cycle of narrow slits and some very small pores in the elevated central portion of the grille. The pores in *Reticulofenestra insignita* ROTH & HAY are more numerous and the grille is more clearly separated from the marginal elements.

**Type level:**

Base of Red Bluff Fm. Oligocene.

**Type locality:**

The Lone Star Cement Company Quarry, St. Stephens, Alabama, U.S.A.

Distribution: From the *E. subdisticha* Zone through the *R. laevis* Zone in JOIDES Hole 5. Restricted to the *Cc. margaritae* Zone in JOIDES Hole 6 and on Barbados. From the *E. subdisticha* Zone into the *Cc. margaritae* Zone in Alabama and Helmstedt (Latdorfian). Rare in the *Sph. predistentus-Sph. distentus* Zone of Trinidad.

**Depository:**

Basle Natural History Museum. Holotype: IMS-A 600360 [A 823]; paratype: IMS-A 600257 [A 823].

**Author:**

Roth P. H., 1970, p. 846; pl. 3, figs. 4, 5.

**Reference:**

Oligocene Calcareous Nannoplankton Biostratigraphy. Ecl. geol. Helv., vol. 63, n° 3, pp. 799-881, pls. 1-14, text-figs. 1-17.