

***Iselithina fusa* ROTH, 1970**

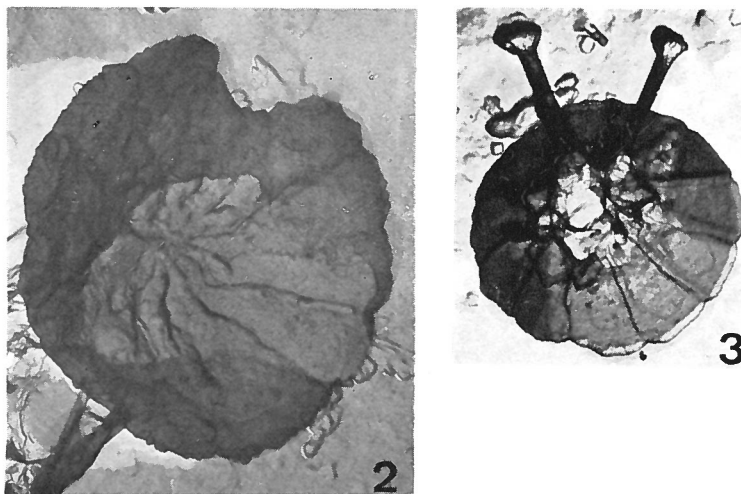


Fig. 2 — *Iselithina fusa* n. sp. Paratype A 600 162 [A 845], x 15000, proximal view, Red Bluff Fm., base, Alabama.
Fig. 3 — *Iselithina fusa* n. sp. Holotype A 608 372 [A 844], x 15000, distal view, Red Bluff Fm., 8' above base, Alabama.

Description:

Diagnosis: A species of *Iselithina* having a distal shield with T-shaped elements and a proximal shield with overlapping tabular elements.

Description: The circular distal shield consists of 6-10 T-shaped elements with short cross pieces. It is delicate and usually damaged. The proximal shield is conical and opens towards the proximal side. It is composed of 10-15 tabular elements which are imbricate dextrally. The overlapping flange is distinctly raised on the distal side of the proximal shield as is the peripheral margin of the segment. The segments are thus interlocked like the tiles on a roof. These ridges merge in the center and form a central core which is pierced by a hole. The sutures on the proximal side of the proximal shield are straight and radial but twisted near the center.

Diameter: holotype 2.4 μ , paratype 3 μ .

Remarks:

This species is distinguished from *Iselithina iris* STRADNER by the lack of slots in the proximal shield and by the longer and more slender elements in the distal shield. It is also somewhat larger.

Type level:

Red Bluff Fm., 8' above base. Oligocene.

Type locality:

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

Distribution: From the *E. subdisticha* Zone through the *Cc. margaritae* Zone in JOIDES Hole 5, in the *Cc. margaritae* Zone in JOIDES Hole 6 and on Barbados. From the *E. subdisticha* Zone through the *R. laevis* Zone in Alabama. *E. subdisticha* Zone in the Silberberg beds, Helmstedt. *Cc. margaritae* Zone, Clay pit Alversdorf, near Helmstedt. *R. laevis* Zone into *Sph. predistentus*-*Sph. distentus* Zone Boom Clay, Belgium. *R. laevis* Zone, Kasseler Meeressande, Glimmerode.

Depository:

Basle Natural History Museum. Holotype: IMS-A 608372 [A 844]; paratype: IMS-A 600162 [A 845].

Author:

Roth P. H., 1970, p. 856; pl. 7, figs. 2, 3.

Reference:

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