Hayella elegans Roth, 1968

Description:

Diagnosis: A small species of *Hayella* having a distal shield with about 19–23 T-shaped elements and a proximal shield with about 12–16 T-shaped elements.

Description: Placolith circular with shields of nearly the same size (distal shield somewhat larger), slightly convex distally, concave proximally, elements more numerous in the distal shield. The elements of the distal shield taper towards the centre and have a short marginal cross piece. Only narrow slits are left between the elements. The rays of the proximal shield are stouter with a short stem of constant thickness and a thick polygonal cross piece, leaving elliptical gaps between the rays. The connecting column is very short and consists of the continuations of the shield elements which are dextrally imbricate. The central pore is very small, less than 1/10 of the total diameter of the coccolith.

Diameter of holotype: 2.5 μ.
Diameter of paratype: 1.9 μ.

Type level:

Oligocene, base of Red Bluff Clay.

Distribution: Abundant in the *Ellipsolithus subdisticus* zone, rare in the *Cyclococcolithus margariticus* zone.
*ritae* zone and in the *Reticulofenestra laevis* zone in JOIDES Hole 5, the Alabama Tertiary and the Neuengammer Gassande, N Germany.

**Type locality:**
Lone Star Cement Company Quarry, St. Stephens, Alabama, U.S.A.

**Depository:**
Holotype: A 600 380; paratype: A 300 307.

**Author:**
Roth P.H., 1968, p. 464; pl. 1, figs. 1, 2.

**Reference:**
Calcareous nannoplankton zonation of Oligocene sections in Alabama (U.S.A.), on the islands of Trinidad and Barbados (W.I.), and the Blake Plateau (E coast of Florida, U.S.A.). *Ecl. geol. Helv.*, vol. 61, n. 2, pp. 459-465, pl. 1, text-figs. 1-3