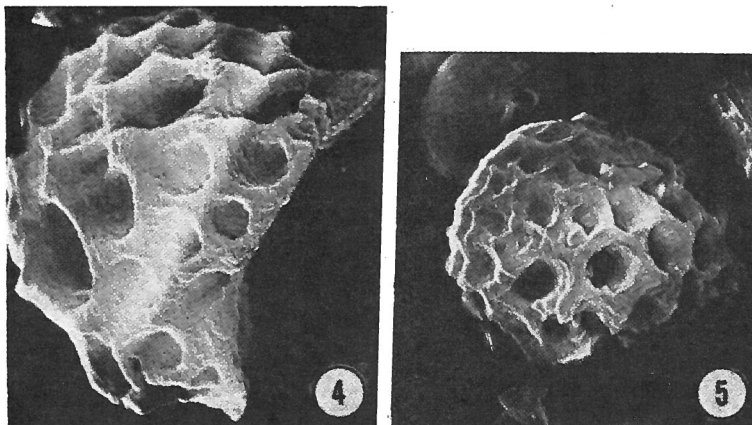


Athenagalea robusta HATTNER & WISE, 1980

1977, *Polycladolithus* sp., Verbeek, Utrecht Micropaleont. Bull., vol. 16.



Figs. 4, 5 — *Athenagalea robusta* n. gen., n. sp. 4) Holotype, L, $\times 5,100$. 5) Paratype, D, $\times 3,500$.

Description:

Diagnosis: A large helmet shaped holococcolith perforated by a large number of radially oriented holes. The maximum circumference of the base is slightly less than that of the body of the coccolith.

Size: Maximum diameter of holotype, 10.8 μm , height measured from center, 7.3 μm .

Remarks:

This species is unusual in that its size measured across the base is about twice that of other Tertiary or Mesozoic holococcoliths. The size of the holes is variable with the smaller holes generally occurring towards the base. Although unrecorded pictorially, observation of the holotype by scanning electron microscope examination showed the base to be solid and convex. Our specimens are characterized by about 30-40 perforations.

Type level:

Lower Campanian.

Type locality:

Clubhouse Crossroads Corehole 1, 1603 ft, 25 miles west of Charleston, South Carolina, USA.

Depository:

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Florida.

Author:

Hattner J. G. and Wise W. Jr., 1980, p. 57; pl. 3, figs. 4, 5.

Reference:

Upper Cretaceous Calcareous Nannofossil Biostratigraphy of South Carolina. South
Carolina Geology, vol. 24, no. 2, pp. 41-117, 43 pls.