

Koczyia lepida BOUDREAUX & HAY, 1969

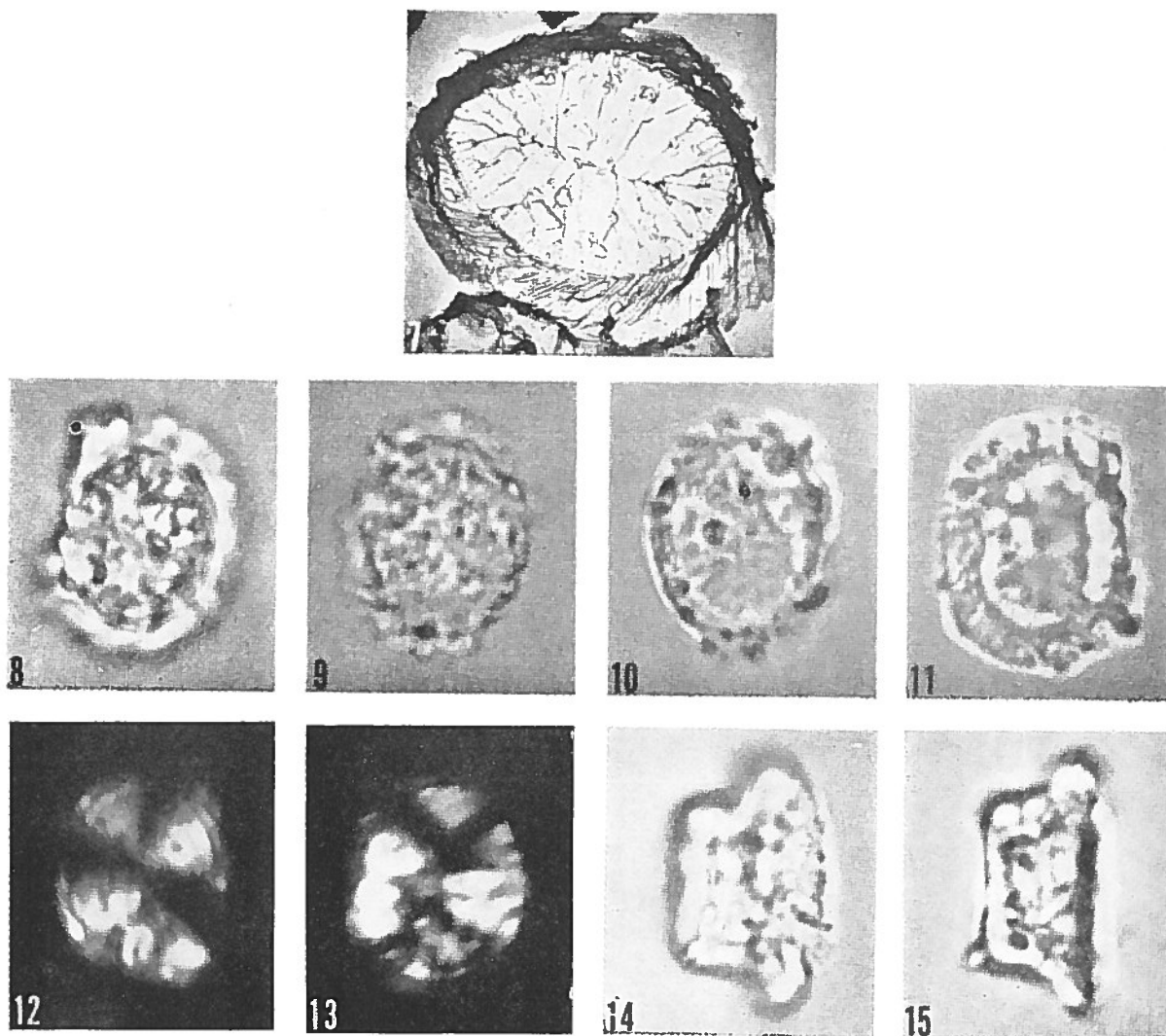


FIG. 7 — *Koczyia lepida* n. gen. n. sp. Proximal view, electron micrograph, Holotype: UI-H-3695, (E3, 694 cm), x 4130.

FIGS. 8-15 — *Koczyia lepida* n. gen. n. sp. 8) Proximal view, transmitted light; 9) proximal view, transmitted light; 10) proximal view, transmitted light; 11) distal view, transmitted light; 12) proximal view, x-nicols; 13) proximal view, x-nicols; 14) side view, transmitted light; 15) side view, transmitted light. Paratype: UI-H-3696 (E1, 834 cm.), x 2630.

Description:

Diagnosis: Magnus ellipsis forma lopadolithus cum late expanso limite (large elliptical lopadolith with a wide, flaring distal rim).

Description: Large, moderately deep elliptical lopadoliths with a widely flaring distal rim. The proximal shield is slightly concave, and marked by numerous sutures. Faint ribs and furrows are present on the wall. An electron micrograph of the proximal view reveals construction very similar to that found in the closely related typical pontosphaerid lopadoliths. A straight suture is present in the long axis of the base, and irregular dendritic sutures radiate from it to the periphery. Long slender elements compose the deep wall; these apparently originate from multiple bifurcation of larger elements forming the basal shield. These long elements are inclined clockwise when viewed from the proximal side and flare abruptly outwards near the distal region, forming a flange.

Dimensions of holotype: Maximum diameter 13.6 μ , minimum diameter 11.2 μ .

Remarks:

Relations: The abruptly outward flaring rim is unique to this species, no other pontosphaerid closely resembles it.

Type level:

Upper Pliocene.

Other occurrence: Pleistocene, Recent.

Type locality:

Submarex core E3, 694 cm, Nicaragua Rise between Walton Bank and Jamaica.

Depository:

Department of Geology, University of Illinois. Holotype: UI-H-3695; paratype: UI-H-3696.

Author:

Boudreaux J. R. and Hay W. W., 1969, p. 273; pl. 7, figs. 7-15.

Reference:

Calcareous nannoplankton and biostratigraphy of the late Pliocene-Pleistocene-Recent sediments in the Submarex cores. *Rev. Esp. Micropal.*, vol. 1, n^o 3, pp. 249, 1 text-fig., pls. 1-10.