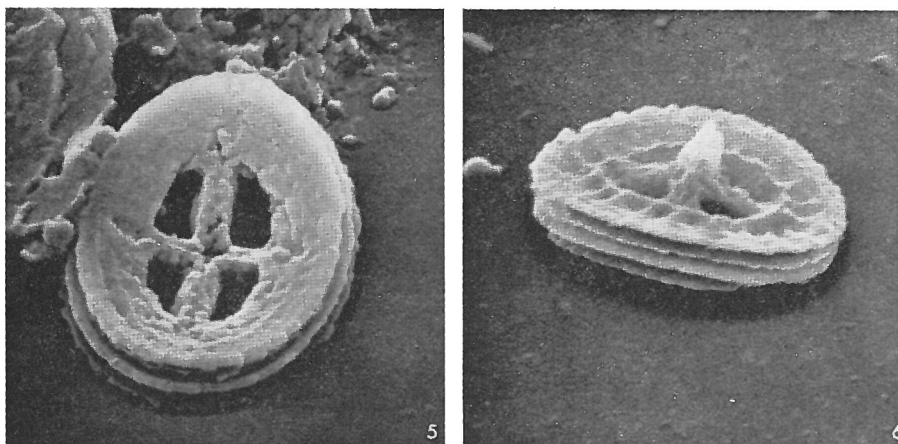


**Broinsonia dempta** FORCHHEIMER, 1972



Figs. 5-6 — *Broinsonia dempta* n. sp., Köpingsberg 1, Cenomanian; 5) 45°, proximal view, Coll. no.: S Kp 22 69/22; 6) 45°, distal view, Coll. no.: S Kp 22 69/1. x 8,700.

**Description:**

**Diagnosis:** A species of *Broinsonia* with a central area spanned by crossbars perpendicular to each other, and dividing the central area into four empty openings. A process extends distally.

**Description:** Elliptical coccoliths with 4 rim cycles of elements seen in distal as well as in proximal view (pl. II, figs. 5-6). A short central process is seen in distal view and only one perforation in the centre is observed in proximal view.

**Dimensions:** Average length 5.2  $\mu$ ; average width 4  $\mu$ .

**Remarks:**

*Broinsonia dempta* n. sp. differs from *B. lacunosa* n. sp. in lacking perforations in the central area. It differs from *B. handfieldii* BUKRY, 1969 (pl. 2, figs. 9-11) in lacking the transverse ridges in the central area and in having a different form of cross. The known occurrence of *B. handfieldii* BUKRY, 1969 is the Campanian from Texas.

**Type level:**

Cenomanian.

**Type locality:**

Köpingsberg Borehole No. 1, 785.4 m, Sweden.

**Depository:**

Museum of the Geological Survey of Sweden, Stockholm.

Holotype: Specimen No.: S Kp 22 69/1; paratype: Specimen No.: S Kp 22 69/22.

**Author:**

Forchheimer S., 1972, p. 24; pl. 2, figs. 5-6.

**Reference:**

Scanning electron microscope studies of Cretaceous Coccoliths from the Köpingsberg borehole n° 1, SE Sweden. Sver. Geol. Undersök. Ser. C, n° 688, Arsb. 65, n° 14, pp. 1-141, pls. 1-27, text-figs. 1-12.