**Helenea chiastia**

**WORSLEY, 1971**

![Images of Helenea chiastia]

Figs. 42-44 — *Helenea chiastia*, n. sp., proximal view; 42) micrographed in phase contrast illumination; 43) micrographed in cross polarized light with long dimension of specimen parallel to one vibration direction; 44) micrographed in cross polarized light with long dimension of specimen 45° to the vibration directions; (42-44) Holotype UI-H-4329.

**Description:**

The central area of this species comprises about 1/3 the length of the semi-minor axis of the elliptical outline of the placolith. The proximal shield is about 3/4 the width of the distal shield and each consists of about 25 elements which apparently do not imbricate, but are inclined counterclockwise as seen in proximal view. The small central cross is heavily constructed and is best observed in cross polarized light with the axes of the elliptical placolith at 45° to the vibration directions.

**Type level:**

Berriasian Valanginian.

Occurrence: Kimmeridgian-Hauterivian.

**Type locality:**

Caribbean Sea. JOIDES, DSDP, Leg 1, holes 4 and 5A.

**Depository:**

Department of Geology, University of Illinois, Urbana, Illinois.

Holotype: UI-H-4329.

**Author:**

Worsley T.R., 1971, p.1310; pl. 1, figs. 42-44.

**Reference:**


**Farinacci 1976 - IX/123**