

Watznaueria rawsonii CRUX, 1987

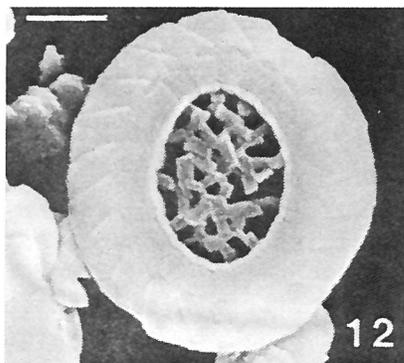


Fig. 12 - *Watznaueria rawsonii* sp. nov.
12) Distal view, Late Hauterivian, Bed 72 Otto Gott, Sarstedt;
bar at the top of scanning electron micrograph equal 1 μ m.

Description:

A species of *Watznaueria* with a central tube surrounding a central area which is filled by a delicate, irregular grill of calcite laths.

Length of coccolith 3.9-5.7 μ m (three specimens measured).

Derivation of name: After P. F. Rawson, Mesozoic stratigrapher.

Remarks:

This species is similar to *Watznaueria fasciata* WIND & ČEPEK, 1979; the two species are differentiated by the constructions of their central grills. Like *W. fasciata* the central grill of *W. rawsonii* could be removed by dissolution, leaving a form resembling *Watznaueria ovata* BUKRY, 1969. There is no way of knowing if the holotype of *W. ovata* is in fact a poorly preserved specimen of *W. rawsonii*, however, it could equally well be a poorly preserved specimen of *W. fasciata* or another, as yet undescribed species. Wind and Čepék (1979) noted that *W. fasciata* was smaller than *W. ovata*, the holotypes of *W. fasciata* and *W. rawsonii* are both approximately 4 μ m in length. The central grills were not observed under the light microscope.

Type level:

Bed 72 Otto Gott, Sarstedt (bed number after Mutterlose 1984).

Range: Recorded in both Late Hauterivian and Early Barremian strata of Otto Gott and Speeton respectively (due to the Hauterivian-Barremian stage boundary being defined differently in the two areas the Late Hauterivian record in Otto Gott may be equivalent to the Barremian of Speeton).

Type locality:

Otto Gott, Sarstedt, Germany.

Depository:

Not given.

Holotype: fig. 12.

Author:

Crux J.A., 1987, p. 32; pl. 1, fig. 12.

Reference:

Six new species of calcareous nannofossils from the Lower Cretaceous strata of England and Germany. INA newsl., vol. 9, no. 1, pp. 30-35, 1 pl.