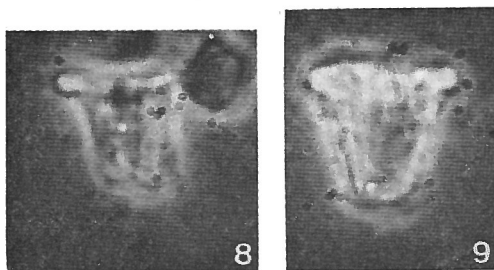


Proculithus fistulatus MEDD, 1979

1969, *Carinolithus fistulatus* PRINS, p. 549; pl. 1, fig. 6 (nom. nud.) Proceed. I Int. Conf. plankt. Microfossils, Geneva 1967.



Figs. 8, 9 — *Proculithus fistulatus* sp. n.
8) Holotype, lateral view, optical micrograph. Upper Lias (Toarcian), *falciferum* Zone, Hill Lane Borehole at 42.65 feet (13 m), Brent Knoll [NGR ST 335516]. SAC 2452. Slide number MPK 1174 in the IGS collection, Leeds. $\times 4,000$. 9) Another specimen, optical micrograph. *Ibid.*

Description:

Diagnosis: A species of *Proculithus* with axial rods that diverge distally and are inclined at an angle of about 60° to the horizontal; the height of the coccoliths is usually greater than the width.

Description: Coccoliths with a thin proximal shield comprising about 12 plates. From this shield a bundle of rod-like plates extend distally and terminate in a wide distal selvage margin. The rods also diverge distally at an angle of about 60° , giving rise to the characteristic "flower-pot" shape.

Dimensions: About 6μ in both width and height.

Remarks:

The species has not yet been examined using electron optical equipment and so the description is based on light microscope studies only. The characteristic external shape differentiates this species from the others in the genus. The species of PRINS (1969, p. 549) is here validated.

Type level:

Lower Jurassic (Toarcian), *falciferum* Zone, *exaratum* Subzone.

Type locality:

Hill Lane Borehole, Brent Knoll, Somerset, England (NGRST 33465156) at 13 m depth.

Depository:

Institute of Geological Sciences, Leeds, England.

Holotype: Slice number MPK 1174; lodged in the MPK collection of types at the Institute of Geological Sciences, Leeds, England (Pl. 10, Fig. 8; the specimen marked * in Textfig. 3).

Author:

Medd A. W., 1979, p. 54; pl. 10, figs. 8, 9.

Reference:

The Upper Jurassic coccoliths from the Haddenham and Gamlingay boreholes (Cambridgeshire, England). *Eclogae geol. Helv.*, vol. 72, no. 1, pp. 19-109, 11 pls.