

Proculithus MEDD, 1979

Description:

Coccoliths with one shield that comprises two or three cycles of plates with a wide central opening and a short bundle of axial rod-like plates that extend from the shield and diverge into a wide distal selvage margin.

Remarks:

The genus *Carinolithus* and the species *C.fistulatus* were introduced invalidly by PRINS in 1969 (p. 549); the genus was subsequently validated by PRINS in GRÜN, PRINS & ZWEILI (1974, p. 313), but in the revised synonymy *C.fistulatus* was excluded from the genus; no further comment or assignation was given for this species. The writer agrees with them in placing species with a wide central opening and a short bundle of axial rods elsewhere. These forms are considered to be intermediate between *Carinolithus* PRINS and *Diazomatolithus* NOËL.

In addition to *C.fistulatus* two further species are diagnosed below as belonging to the new genus *Proculithus*. Although *Calyculus* NOËL possesses some of the external features of *Proculithus*, it also possesses a central area covered by a reticulate meshwork of small calcite rhombs.

Type species:

Carinolithus fistulatus PRINS, 1969, nomen nudum.

Author:

Medd A. W., 1979, p. 54.

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.