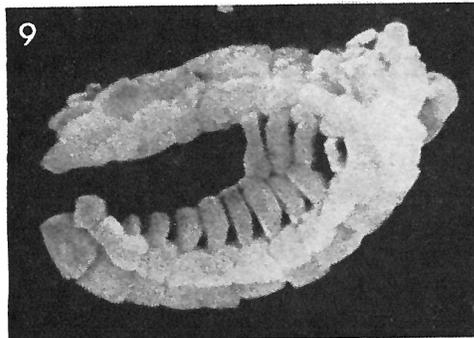
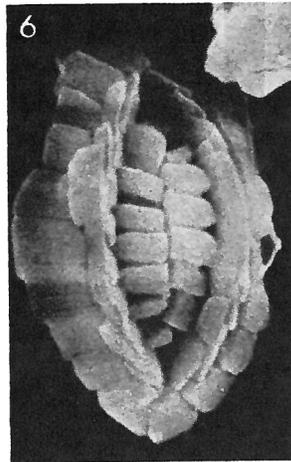


Hornibrookina australis EDWARDS & PERCH-NIELSEN, 1975

1973, *Hornibrookina* sp., Edwards, p. 77, fig. 82. New Zeland J. Geol. Geophys., vol. 16.
1973, *Hornibrookina* n. sp., Edwards; pl. 9, figs. 1-3. Initial Reports DSDP, vol. 21.



Figs. 6, 9 — *Hornibrookina australis* n. sp.,
× 11,200. 6) Paratype, proximal view. 9) Holo-
type, distal view. Sample 277-45-2, 118 cm;
Paleocene.

Description:

Diagnosis: *Hornibrookina* with a slightly elongate to rhomboedrical outline and relatively narrow proximal and distal shields forming a convexly arched coccolith.

Description: The body has a somewhat asymmetrical outline (elongate to rhomboedrical) and is convexly arched. The distal shield consists of about 20 elements lying side by side and continuing into the large central area as parallel, elongate bars. The proximal shield is much smaller than the distal shield and very narrow. Its elements continue to the distal side, where they form the wall around the central area, overlapping each other considerably.

Remarks:

H. australis differs from *H. teuriensis* EDWARDS by its more irregular outline, smaller size, and narrower shields. *H. australis* is remarkably well preserved in samples where most of the other coccoliths show signs of solution and/or overgrowth.

Type level:

Paleocene.

Occurrence: *H. australis* was first found in the Late Paleocene of New Zealand and subsequently in the late Paleocene of DSDP 207A on Lord Howe Rise (Edwards, 1973a, b). During Leg 29 this species was observed in the late Paleocene of DSDP Site 277 on the Campbell Plateau, where it is "few to common". It has also been found in the late Paleocene of the Crimea, U.S.S.R. (Perch-Nielsen, unpublished).

Type locality:

Southern Southwest Pacific, DSDP, Leg 29.

Depository:

Not given.

Author:

Edwards A. R. and Perch-Nielsen K., 1975, p. 485; pl. 2, figs. 1-3, 6, 9, 12; pl. 5, figs. 6, 9, 12.

Reference:

Calcareous Nannofossils from the Southern Southwest Pacific, Deep Sea Drilling Project, Leg 29. Initial Reports DSDP, vol. 29, pp. 469-539, 21 pls.