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A Monospecific Thanatocoenosis Deposited after a Late Oligocene Nannoplankton Bloom

By HERBERT STRADNER

At certain levels of the nannofossil record some species are found to form practically monospecific nannoflora blooms. One single species, in our sample *Pontosphaera enormis* (LOCKER) PERCH-NIELSEN, constitutes up to 99 percent of the entire assemblage. In the Oligocene, nannoliths of the genera *Braarudosphaera*, *Cyclicargolithus*, *Pontosphaera* and *Reticulofenestra* occasionally became so domineering that they could form monospecific layers. Certain ecological conditions exerting stress in an otherwise well-balanced marine environment seem to be responsible for the formation of such luxuriant growth of a single species.

Sample: Deepwell EGGERDING W 1, core 3, box 6; laminated marl. Upper Austria.

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Stratigraphic Level: Upper Oligocene, NP 25.

Scanning micrographs: Fracture plane of laminated marl showing nannofossils in situ.

Pontosphaera enormis (LOCKER) PERCH-NIELSEN.

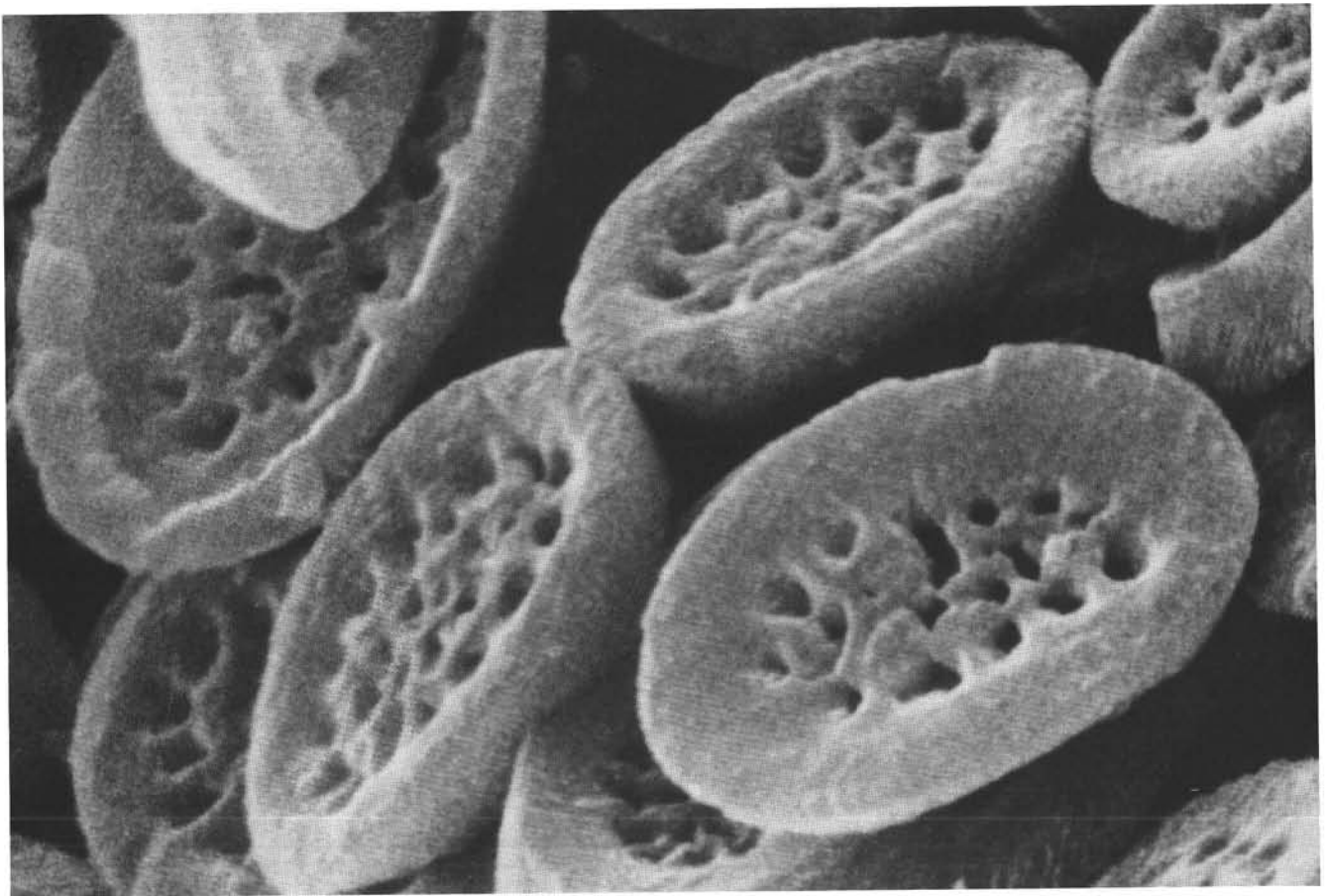
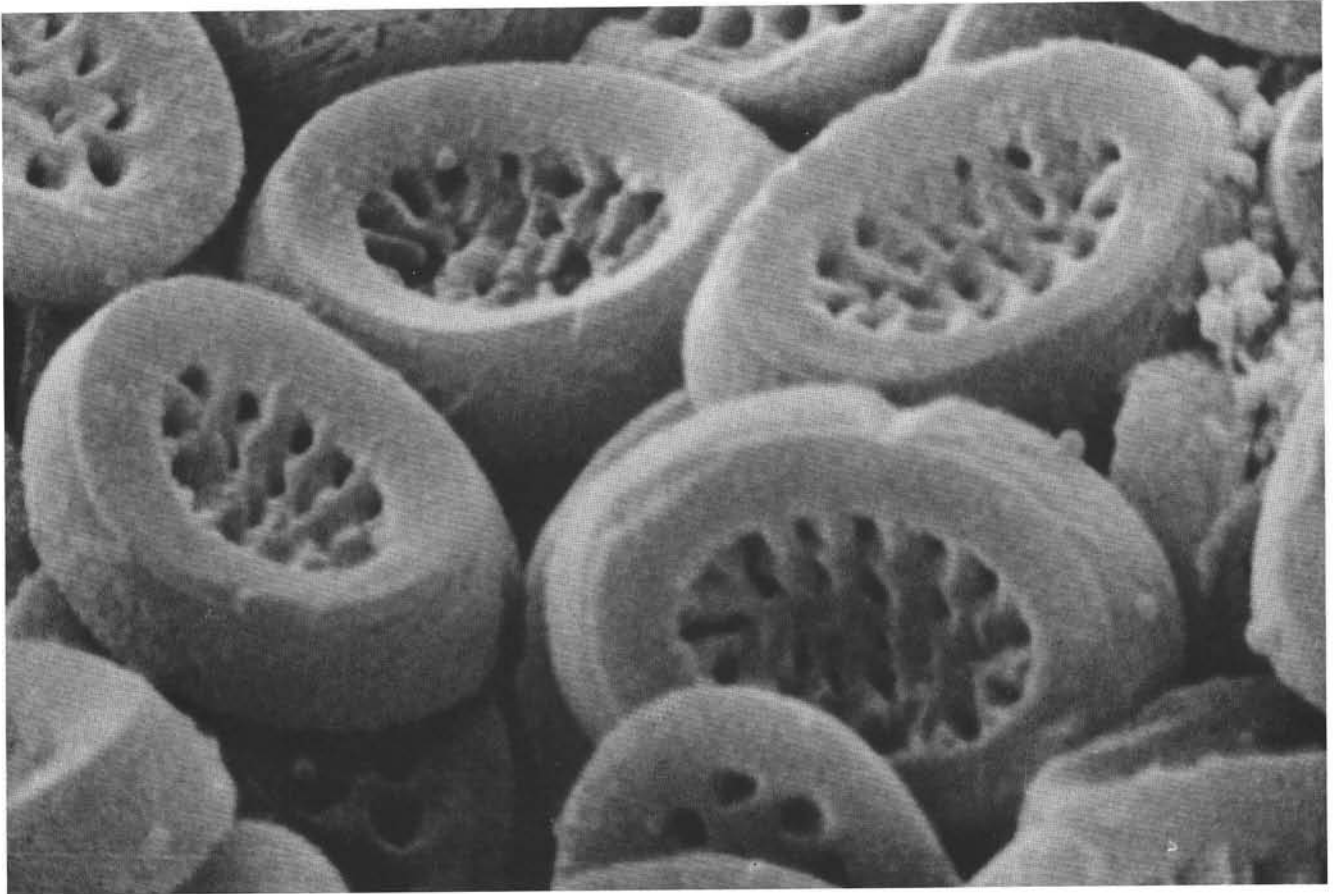
Proximal views (p. 315, upper half), distal views (p. 315, lower half).

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Appendix

Accompanying text to bookcover, frontispiece and opposite page



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ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

Digitale Literatur/Digital Literature

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