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GONYAULACYSTA PARORTHOCERAS

A New Species of DINOFLAGELLATE CYST

by Roger J. Davey

Introduction

Davey (1968 in press) emends the species *Gonyaulacysta orthoceras* Eisenack and also transfers it to the genus *Cribroperidinium* Neale and Sarjeant. By emending Eisenack's species the specimens described by Sarjeant (1966) as *G. orthoceras*, from the Lower Cretaceous of England, must now be excluded from this species. Hence, a new species is here erected to accommodate them.

Systematic description

Gonyaulacysta parorthoceras sp. nov.

1966 *Gonyaulacysta orthoceras* (Eisenack); Sarjeant: 121, pl. 14, figs. 5, 6; text-fig. 29

DIAGNOSIS: Shell ovoidal with strong, tapering apical horn accounting for about one-fifth to one-quarter of overall length. Shell wall of moderate thickness, granular to tuberculate. Tabulation 4′, 1a, 6″, ?6c, 7‴, 1p, 1⁗; crests low bearing small spinelets. Cingulum strongly spiral, of moderate breadth: sulcus broad and extending to antapex.

HOLOTYPE: B.M. (N.H.) slide V.51730, specimen 3. Speeton Clay, Shell West Heslerton Borehole No. 1, West Heslerton, Yorks, at 19.25 metres depth. Lower Cretaceous (Upper Barremian).

References

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