

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 *Criboperidinium* 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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