

## A note on the nomenclature of some Upper Jurassic dinoflagellate cyst taxa

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**ABSTRACT**—In 1980, several new species of dinoflagellate cyst taxa were validly published and named from the Kimmeridge Clay of England as part of a larger study on Kimmeridgian-Valanginian dinoflagellate cyst assemblages (Fisher & Riley, 1980); this study was originally presented at the IV International Palynological Conference, Lucknow in 1976–77. This note, necessitated by the long publication delay and numerous printing errors, comprises taxonomic re-allocations, taking account of subsequent studies (Norris, 1978; Stover & Evitt, 1978; Davey, 1979; Riley, 1979) and corrects inadvertent taxonomic errors.

### SYSTEMATIC REVISION

1. *Gochteodinia mutabilis* (Riley) comb. nov. ≡ *Pareodinia mutabilis* Riley in Fisher & Riley, 1980, p. 324–325, pl. 3, figs. 1, 2, 3. (≡ *Pareodinia mutabilis* Riley 1979 *nomen nudum*, p. 220).
2. *Kleihriasphaeridium telaspinosum* (Riley) comb. nov. ≡ *?Hystrichodinium telaspinosum* Riley in Fisher & Riley, 1980, p. 322, pl. 1, fig. 5. (Combination invalidly proposed by Riley, 1979, p. 221).
3. *Millioudinium cristatum* (Riley) comb. nov. ≡ *Gonyaulacysta cristata* Riley in Fisher & Riley, 1980, p. 320, pl. 1, figs. 8, 12.
4. *Millioudodium deflandrei* (Riley) comb. nov. ≡ *Gonyaulacysta deflandrei* Riley in Fisher & Riley, 1980, p. 320–321, pl. 1, figs. 1, 2 (≡ *Gonyaulacysta deflandrei* Riley 1979 *nomen nudum*, p. 221).
5. *Millioudodium pennatum* (Riley) comb. nov. ≡ *Gonyaulacysta pennata* Riley in Fisher & Riley, 1980, p. 321, pl. 1, figs. 10, 11.
6. *Scriniodinium inritibilum* Riley in Fisher & Riley, 1980, p. 322–323, pl. 2, figs. 7, 9 ≡ *Scriniodinium inritibilum* Riley, 1979 *nomen nudum*, p. 220.
7. The species described and illustrated as *Muderongia simplex* Alberti, 1961 (plate 4, fig. 3) is now considered to represent a new species of the genus *Muderongia* and is conspecific with *Muderongia* sp. A. Davey, 1979, p. 64, pl. 1, figs. 4, 5. Previous records of *M. simplex* in the Jurassic are now considered to be of *M.* sp. A.

### TAXONOMIC CORRECTIONS

- Page 320; column 1; line 37; *Glossodiunium* should read *Glossodinium*.
- Page 321; column 1; line 50; *Gonyaulacyeta* should read *Gonyaulacysta*.
- Page 321; column 2; line 3; *angulasa* should read *angulosa*.

Page 322; column 1; line 1; *perforane* should read *perforans*.

Page 322; column 1; line 48; *Kleithriasphacieum* should read *Kleithriasphaeridium*.

### REFERENCES

- Davey, R.J., 1979. The stratigraphic distribution of dinocysts in the Portlandian (latest Jurassic) to Barremian (earliest Cretaceous) of Northwest Europe. *Amer. Assoc. Strat. Palynol. Contr. Ser.* No. 5B, pp. 49–81, pls. 1–4.
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- Norris, G., 1978. Phylogeny and a revised supra-generic classification for Triassic-Quaternary organic-walled dinoflagellate cysts (Pyrrhophyta). Part II. Families and sub-orders of fossil dinoflagellates. *N. Jb. Geol. Paläont. Abh.* No. 156, p. 1–30.
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