

123. *Mattiolia Bown (2005)*

Type species: *Mattiolia furva* sp. nov.

Derivation of name: Named for Emanuela Mattioli, Mesozoic nannopaleontologist.

Diagnosis: Placoliths with a distinctly dark image under XPL. The type species has broadly elliptical shields and a narrow central area, filled with a broad plate/axial cross; the plate is also dark under XPL but is crossed by at least four extinction lines.

Differentiation: The new genus is proposed because the coccoliths are quite unlike any other Cretaceous taxa. Other Cretaceous placolith coccoliths appear dark under XPL (e.g., *Haqius* and *Repagulum*); however, the rim outline, rim to central area proportions, and central area structures are quite different in *Mattiolia furva*. Until SEM images are forthcoming we cannot comment further on the taxonomic affinities of the genus.

Bown, P.R., 2005. Early to mid-Cretaceous calcareous nannoplankton from the northwest Pacific Ocean, ODP Leg 198, Shatsky Rise. In Bralower, T.J., Premoli Silva, I., and Malone, M.J. (Eds.), *Proceedings of the Ocean Drilling Program, Scientific Results*, **198** [Online]

http://www-odp.tamu.edu/publications/198_SR/VOLUME/CHAPTERS/104.PDF