

Diatom 20: 179-190 (英文)

小村精一：孢子状珪藻 *Muelleriopsis limbata* (Ehrenb.) Hendey の電子顕微鏡観察

Seiichi Komura : An SEM observation on the sporic diatom *Muelleriopsis limbata* (Ehrenb.) Hendey

#### Abstract

The ultrastructure of the sporic diatom *Muelleriopsis limbata* (Ehrenb.) Hendey is observed by SEM. Complete frustules recovered from the Miocene marine formations have shown trilayered wall and complicate attachment of opposed valves within a frustule. The epivalve always has a compressed bowl-shape and hypovalve is highly vaulted with the valvar edge extended to a broad circumferential flange. Preliminary considerations are given to affiliation and vegetative/sporic problems of this enigmatic fossil.

Key index words : diatom, Miocene, *Muelleriopsis limbata*, ultrastructure