

Diatom 27: 46-51 (和文)

伴芙美香・佐藤裕司・古谷 裕：大阪堆積盆地の更新世海成粘土層・Ma11 層における *Pseudopodosira kosugii* の出現

Fumika Ban, Hiroshi Sato and Hiroshi Furutani: The occurrence of *Pseudopodosira kosugii* from the Pleistocene marine clay layer Ma11 in the Osaka sedimentary basin

#### **Abstract**

Pleistocene marine clay layer Ma11 in the Osaka sedimentary basin is correlated with marine oxygen isotope stage (MIS) 7. We analyzed fossil diatom assemblages and sedimentary sulfur in core sediments including the Ma11. *Pseudopodosira kosugii*, which is known as a useful indicator of past sea levels during the Holocene, was present in the uppermost part of the marine facies, which formed as a result of the marine transgression during MIS 7. Therefore, the abundance peaks of this species can also be used to reconstruct sea-level variations in sediments of pre-Holocene age.

**Key index words:** marine clay layer Ma11, marine oxygen isotope stage 7, Osaka sedimentary basin, past sea level, Pleistocene, *Pseudopodosira kosugii*