

Diatom 10: 57-71 (英文)

小村精一：槍先状珪藻に見られる複雑な構成のナビキュラ式縦溝

Seiichi Komura : A naviculoid raphe-system of some lanceolate diatoms complicated with accessory components

Abstract

SEM observations are reported on a naviculoid raphe-system intricate with several accessory components : shark fin-like vanes here termed dorsicentral and subcaudal fins, dorsal ridges of keel, a longitudinal groove between the ridges and helictosiphons at poles in addition to the ordinary raphe on highly vaulted valves. Four new species are described under *Dichotropiscus*, a new genus, characterized by sharing this system. They are *D. fimbriatus*, *D. bicostatus*, *D. brevilanceolatus* and *D. staurophorus*. Morphological details and functional accounts are given in relation to the fins.

Key index words

Dichotropiscus, fin-like flap, Miocene diatoms, new genus, raphe-system.