

Diatom 13: 63-81 (英文)

小村精一：中新統波太層産新珪藻の追加記載

Seiichi Komura : Additional descriptions of the new diatoms from the Miocene Nabuto Formation, central Japan

Abstract

Five new genera described from observations by SEM and they are all monotypic : (1) *Streptomion torsivum* represents a linear, linear, twisted araphid with ocelli of different sizes on each apical mantle ; (2) *Sagittula transversaria* is also an araphid like *Eunotogramma*, carrying on the ventral mantle a distinctive wall organelle similar to a rimoportula ; (3) *Gyropandorus annulatus* involves a naviculoid having the axial raphe reduced within the panduriform hoop of alveolar rows on the valve ; (4) *Aptosoma translucida*, similar to a *Plagiotropis* in gross morphology, is characterized by a canal raphe system which lacks fibulae and helictoglossae ; finally (5) *Eupterotrum pulcherum* bears a close resemblance to *Entomoneis* but differs in the framework of alar canal and by having the elaborate girdle bands.

Rimobulla is explained in detail as a new organelle within the mantle wall and is compared to the rimoportula.

Key index words

Miocene diatoms, Nabuto Formation, new genera, rimobulla, wall organelle.