

Diatom 9: 1-16 (英文)

小村精一：珪藻属 *Mediaria* Sheshukova-Poretzkaja と新型の縦溝系をそなえた類似の種類  
の電顕観察結果

Seiichi Komura : Observations on the diatom *Mediaria* Sheshukova-Poretzkaja and new  
forms of similar appearance with a new type of raphe system

#### Abstract

Three new diatom species are described under the new genus *Tropidosiphonus*, separable from those hitherto assigned to *Mediaria* Sheshukova-Poretzkaja, which should now recur to the araphid category based on the lack of raphe system. They are *Tropidosiphonus lanceolatus*, *T. secundus* and *T. tenuiconstrictus*, all of which share a common appearance, bearing otherwise tubular endings. These internal tubes, termed helictosiphon characteristic of the new genus, is introduced from the evidence of SEM details as a new componental organelle of raphe system.

Key index words

helictosiphon, *Mediaria*, Miocene diatoms, raphe system, *Tropidosiphonus*.