

Ultrastructure of the sicula in the tuboid graptolite *Kozłowskitubus erraticus* (Kozłowski, 1983).

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The sicula of *Kozłowskitubus erraticus* has been examined with TEM. The upper portion of prosicula is three-layered, the middle layer being a mesh. Its bottom consists of an attenuated, almost structureless membrane. The metasicula is made of strongly variable tusell!, built of tusellar and sheet fabric only (*Dictyonema* type of fuselli). The evidence available indicates that mesh fabric is the main component in all discophorous and in part of nematophorous prosiculae (structural type "A"). Only some nematophorous prosiculae are lacking the mesh component and therefore constitute structural type "B". The striking similarity of the sicula described with the embryonal vesicle of *Rhabdopleura* may not be evaluated until more becomes known on latter's ultrastructure.

Key words: Graptolites, ultrastructure, sicula.

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