

Diatom 23: 1-17 (英文)

Seiichi Komura : H-shaped marine diatoms and descriptions of three new Miocene genera (Biddulphiales)

Shinsayama Haitsu 13-303, Aoyagi 63, Sayama, Saitama 350-1301, Japan

Abstract

Three new monospecific genera, H-shaped in girdle view, are described from the early Miocene marine deposits of the Boso Peninsula, central Japan. *Tetralophus endocampus* gen. et sp. nov., *Orthosoma polyporophorum* gen. et sp. nov., and *Dendrogonia polygoniata* gen. et sp. nov. are all bipolar with tall or low elevations and chain-forming by apposition of summit plates or the whole of the valve face is without an ocellus or pseudocellus. Linking spines are present or lacking on the tips of the elevations. The three new genera are placed in the Biddulphiales.

Key index words : biddulphioid diatoms, Miocene, Nabuto Formation, new genus, taxonomy, ultrastructure