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Hiroyuki Tanaka and Tamotsu Nagumo : Fine structures of *Stephanodiscus excentricus* Hust. and *S. niagarae* Ehrenb. from Terrebonne diatomite, Oregon, USA

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Abstract

The fine structures of *Stephanodiscus excentricus* Hust. and *S. niagarae* Ehrenb. were studied in detail using materials taken from Pleistocene diatomite, Terrebonne, Oregon, USA. The Terrebonne diatomite is the type locality of *S. excentricus* which is known for the unique characteristic of its valve pattern center which is not located at its geometric valve center. External and internal views of the two *Stephanodiscus* taxa using SEM and LM photographs show the location and shape of mantle fultoportulae and rimoportulae, as well as fascicles made up of areolae rows.

Key index words : fossil diatom, freshwater, Pleistocene, *Stephanodiscus excentricus*, *Stephanodiscus niagarae*, Terrebonne, USA