

Diatom 2: 75-82 (英文)

福島 博・小林艶子・寺尾公子・吉武佐紀子 : *Navicula radiosa* Kütz. f. *nipponica* Skv. と var. *tenella* (bréb.) grun. (*Navicula cryptotenella* Lange-Bertalot) の形態について

Hiroshi Fukushima, Tsuyako ko-Bayashi, Kimiko Terao and Sakiko Yoshitake: Morphological variability of *Navicula radiosa* Kütz. f. *nipponica* Skv. and var. *tenella* (bréb) grun. (*Navicula cryptotenella* Lange-Bertalot)

#### Abstract

The investigation was carried out on attached algae collected from the River Takiya in Fukushima prefecture. This sample contained a mixed population belonging to *Navicula radiosa*. We can identify two taxa, *N. radiosa* f. *nipponica* and *N. radiosa* var. *tenella*, judging from their morphological differences. The differences are recognized in the length and the breadth of the valve, striae in 10 $\mu$ m and their appearance including puncta, and margin of the valve especially in their degree of obliquity.

Key index words

Pennatae ; *Navicula radiosa* f. *nipponica* ; *N. radiosa* var. *tenella* ; morphological variability.