

Diatom 23: 49-54 (英文)

Akihiro Tuji : Type examination and typification of *Cymbella affinis* Kütz., *C. turgidula* Grunow and *C. uenoi* Skvortsov

*Department of Botany, National Museum of Nature and Science, Amakubo 4-1-1, Tsukuba, Ibaraki 305-0005, Japan*

#### Abstract

The original materials of *Cymbella affinis* Kütz., *Cymbella turgidula* Grunow and *Cymbella uenoi* Skvortsov are examined. I also designate the lectotypes and epitypes using these original materials. The epitype of *C. affinis* agree with the current concepts of this taxon except for Krammer (2002). The type designations by Krammer for *C. affinis* and *C. turgidula* do not have priorities for the designations herein. A new combination, *Cymbella uenoi* f. *nipponica* (Skvortsov) comb. et stat. nov., for *Cymbella turgidula* var. *nipponica* Skvortsov, is also described.

Key index words : *Cymbella affinis* Kütz., *Cymbella turgidula* Grunow, *Cymbella uenoi* Skvortsov, *Cymbella uenoi* f. *nipponica* (Skvortsov) comb. et stat. nov., epitype, lectotype