Abstract

Two diatoms previously reported by H. Kobayashi from the Ara-kawa (Ara River), Japan, were re-examined in detail using scanning electron microscopy. A new species, *Navicula pseudacceptata*, is proposed for the diatom that was identified as *N. acceptata* Hust. The generic position of the second, *Stauroneis japonica* H. Kob., is confirmed and a type is designated, thereby validating this previously invalid name.

Key index words
diatom; fine structure; *Navicula pseudacceptata*; new species; *Stauroneis japonica*. 