

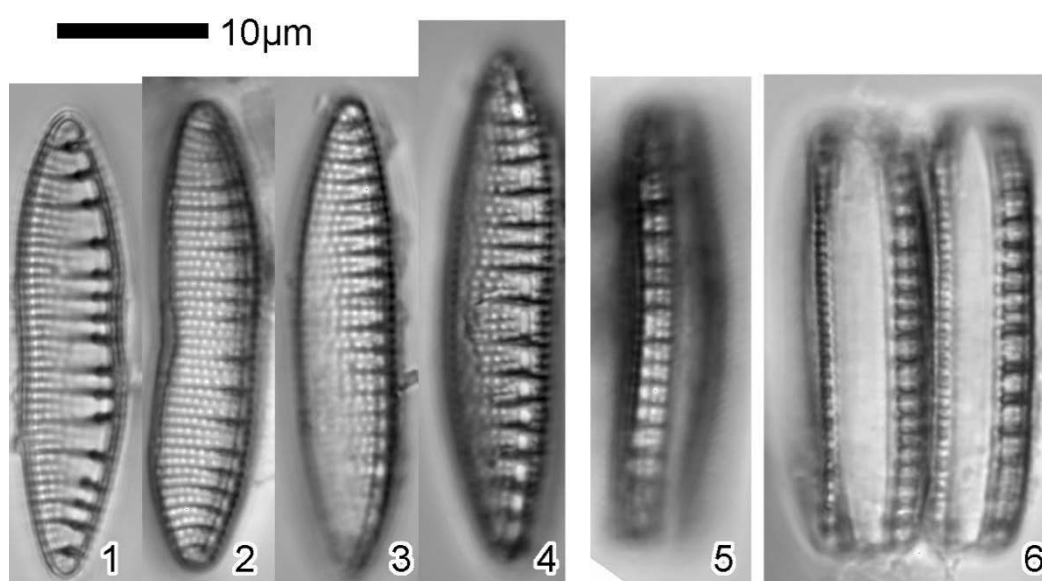
No. 131

Prepared from strain Ak1081 (voucher specimens: TNS-AL-62081 in TNS).  
This culture strain was prepared from a specimen (TNS-AL-61513) from Lake Shikotsu,  
Hokkaido Pref. Coll. A. Tuji 21/xii/13.

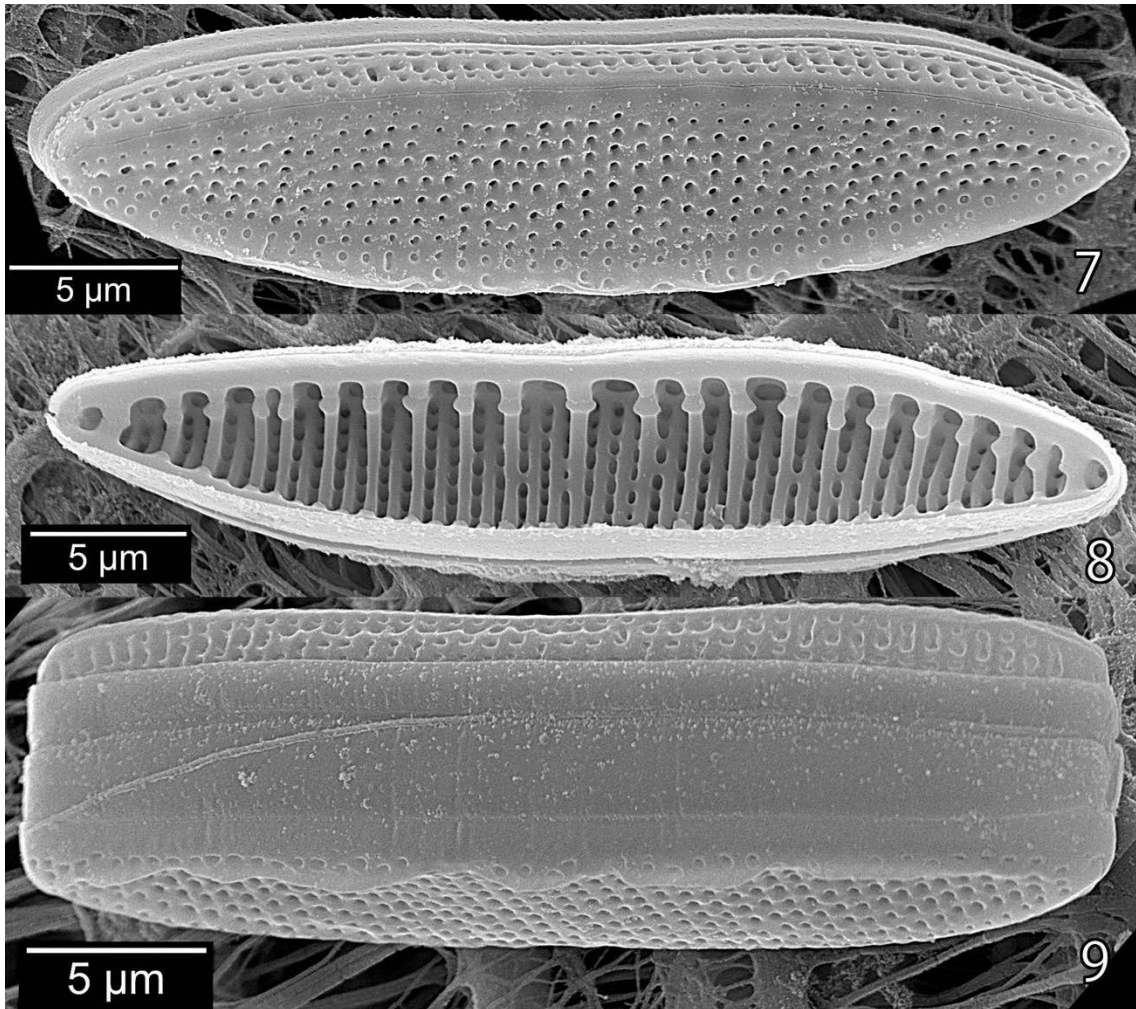
*Nitzschia denticula* Grunow in Cleve & Grunow 1880, p. 82.

≡ *Denticula kuetzingii* Grunow 1862, p. 546, 548; pl. 28/12, fig. 27.  
non *Nitzschia kuetzingii* Rabenh. 1864.

*Denticula kuetzingii* was first described by Grunow (1862: 564). Tuji & Williams (2006a) examined Grunow's original drawings published in Grunow (1862) and Grunow in van Heurck (1881). The relevant part of both of these drawings is identical and the words 'Eulenstein 30' are written on both sheets. This refers to packet no. 30 in Eulenstein's exsiccatae set (Eulenstein 1868) and thus specimens in packet no. 30 are isotypes. Krammer in Lange-Bertalot & Krammer (1987) designated as lectotype the following slide in AWH: 'Denticula obtusa sensu W.Sm. 1856 in Coll. IV-I-CS, Eulenstein 30, Penzance, England'. There is also a specimen of 'Denticula obtusa' from 'Penzance' in W. Smith collection in AWH (Hoover 1976), which should be considered an iso-lectotype. Tuji & Williams (2006a) examined material in BM that was originated from AWH.



Figs 1-6. *Nitzschia denticula* (LM).



Figs 7-9. *Nitzschia denticula* (SEM).