

**Nos. 002**

R. Tamagawa (R. Obonai), Akita Pref., Japan. [39°41' N, 140°43' E from a map]

EC: 195, pH: 8.2, WT: 10.5.

Date: 13/xi/1994.

Coll. Toshiharu Watanabe (duplicate of TNS-AL-TW-12581 in TNS).

*Synedra rostrata* F.Meister, Arch. Hydrobiol. **8**: 312. *pl. IV, f. 7*. 1913.

(Figs 1-3)

Synonym: *Synedra inaequalis* H.Kobayasi in H.Kobayasi et al., Diat. **3**: 9-10. *f. 2-13*. 1987. ≡

*Ulnaria inaequalis* (H.Kobayasi) M.Idei in H.Kobayasi et al., H.Kobayasi's Atlas Jap. Diat.

Electr. Microsc. **1**: 86. 2006.

Type locality: Lake Suwa, Nagano Pref., Japan.

Lectotype: BRM "K2/57", designated by Tuji & D.M.Williams, Bull. Natl. Mus. Nat. Sci. Tokyo ser.

B. **33**: 74. *f. 32-37*. 2007.

Isotype: Slide no. 801 Tempère et Peragallo (2<sup>nd</sup> edition), BM69152.

Ecology: saproxenous, alkaliphilous.

*Diatoma vulgaris* Bory, Dict. Class. hist. Nat. **5**: 461. *pl. Arthrod.-20 f. 1a, b*. 1824.

(Fig. 4)

Ecology: saproxenous, alkaliphilous.

*Hannaea arcus* var. *recta* (Cleve) M.Idei in H.Kobayasi et al., H.Kobayasi's Atlas Jap. Diat. Electr.

Microsc. **1**: 12. 2006.

(Fig. 5)

*Nitzschia dissipata* (Kütz.) Rabenh. Alg. sachs. 948. 1860.

(Fig. 6)

*Nitzschia inconspia* (Grunow) Grunow in Van Heurck, Syn. Diat. Belg. *pl. lxxix, f. 15-20*. 1881.

(Fig. 7)

*Nitzschia frustulum* var. *bulnheimiana* (Rabenh.) Grunow in Van Heurck, Syn. Diat. Belg. *pl. lxxviii.*

*f. 30*. 1881.

≡ *Homoeocladia bulnheimiana*, Rabenh. Alg. Eur. 1301. 1864.

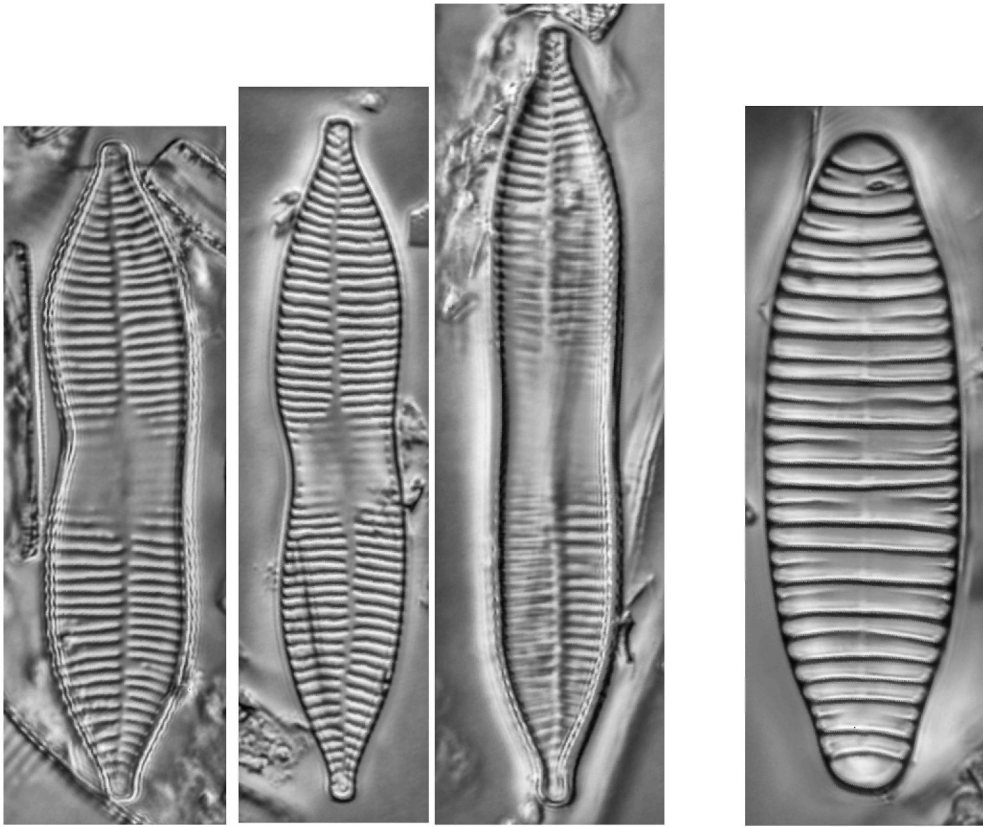
(Figs 8-9)

Type examination using LM: Krammer & Lange-Bertalot, Süßw.-flora Mitteleur. **2/2**: *taf. 68. f.*

*11-12*. 1988.

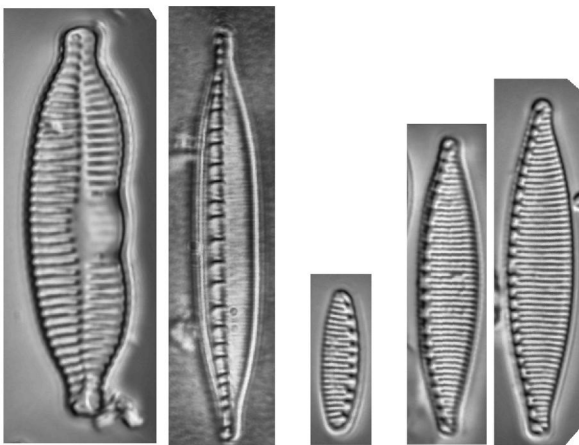
Ecology: indifferent, alkaliphilous.

**Nos. 002**



**1-3**

**4**



**5**

**6**

**7**

**8-9**