

**Nos. 014**

Shimoyu spring, Totsugawa hot spa, Nara Pref., Japan.

[33°56' N, 135°45' E from a map]

pH: 8.6, WT: 26.

Date: 1/iii/1994.

Coll. T. Watanabe (duplicate of TNS-AL-TW-10870 in TNS).

*Achnanthydium saprophilum* (H.Kobayasi et Mayama) Round et Bukhtiyarova, Diat. Res. **11**: 349. 1996.

≡ *Achnanthes minutissima* var. *saprophila* H.Kobayasi et Mayama, Jap. J. Phycol. **30**: 195. f. 2a-h. 1982.

(Figs 1-15)

Ecology: saprophilous, alkaliphilous.

*Nitzschia amphibia* Grunow, Verh. K. Zool.-Bot. Ges. Wien **12**: 574. pl. 12. f. 23. 1862.

(Figs 16-18)

Ecology: saprophilous, alkaliphilous.

*Nitzschia microcephala* Grunow, K. Svenska Vet.-Akad. Handl., ser. 4. **17**: 96. 1880.

(Figs 19-20)

Ecology: saproxenous, alkaliphilous.

*Psammothidium subatomoides* (Hust.) Bukhtiy. et Round, Diat. Res. **11**: 13. 1996.

(Figs 21-22)

Ecology: saproxenous.

