

No. 122

Prepared from strain Ak1059 (voucher specimens: TNS-AL-62059 in TNS). This culture strain was prepared from a sediment sample from Yamato-ga cave, Miyako Island, Okinawa Pref., Japan. Coll. A. Tuji, 14/xi/2013.

Stauroneis miyakoensis Tuji sp. nov.

(Fig. 1-8)

Valves linear-lanceolate to almost linear with softly triundulate margin and broad rostrate poles. Length 23-26 μ m, breadth 6.5-7.0 μ m. Pseudosepta unclear. Axial area relatively narrow, linear. Central area forming a narrow, almost rectangular fascia reaching valve margins. Striae weekly radiate throughout the entire valve, 20-22 in 10 μ m, consist 2-5 puncta per a row of stria.

Similar to *Stauroneis lauenburgiana* var. *angulata* Hust., but differ its rostrate poles.

Holotype: slide TNS-AL-62059s in TNS.

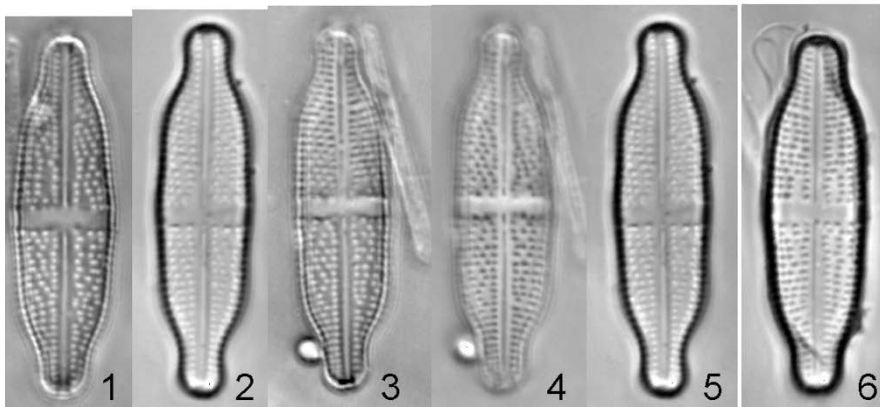
Isotype: raw material TNS-AL-62059m in TNS; no. 122 in *Algae Aquae Dulcis Japonicae Exsiccatae*. Fasc. 7. 2016.

Type locality: Yamato-ga cave, Miyako Island, Okinawa Pref. Japan.

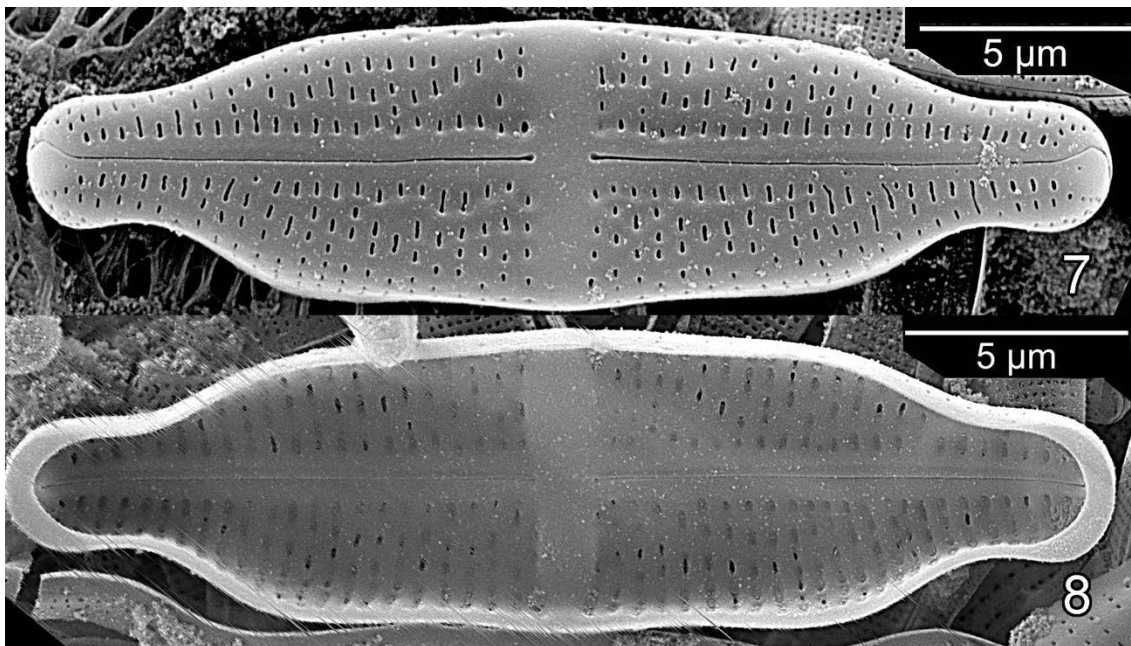
As the type locality is a cave (Yamato-ga cave, Miyako Island), the light intensity is very for this species. The cave is formed by Ryukyu limestone.

Stauroneis lauenburgiana f. *angulata* Hust. is similar to this taxon but specimens from its type material has capitate ends and relatively long valves (Simonsen 1987: pl. 545, figs 7, 8).

10µm



Figs 1-6. *Stauroneis miyakoensis* Tuji sp. nov. (LM).



Figs 7-8. *Stauroneis miyakoensis* Tuji sp. nov. (SEM).