

Plate 6: MARINE DIATOMS FROM THE AZORES

Source of Material

South East coast of Faial, Caldeira Inferno. 38° 31' N; 28° 38' W.

An open crater of small volcano, shallow and sandy. Gathered from *Pinna* (molluscs) and stones. Date: June 1st, 1981.

Sample received from Hans van den Heuvel, Leiden on March 17th, 1988.

NOTE:

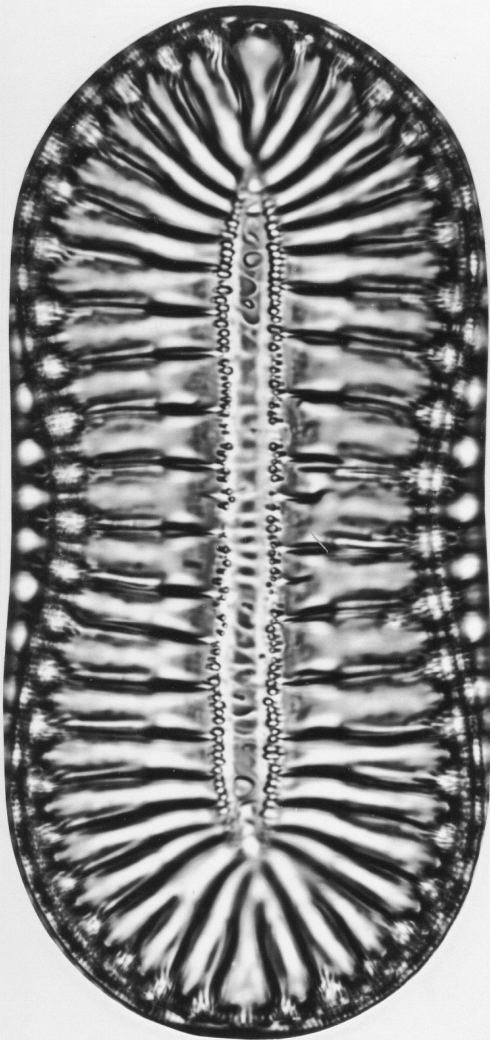
Material also deposited in Rijksherbarium Leiden, the Netherlands. Aliquot sample and slide also in collection Sterrenburg, Nr. 249

Plate Six:

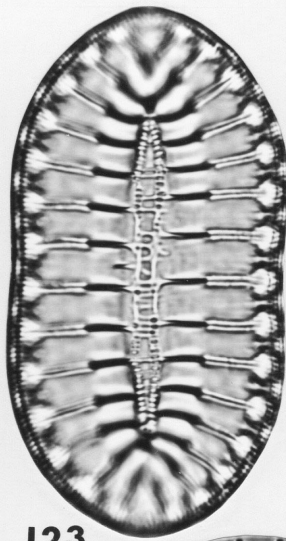
- 122-26 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Paddock (1985, pl. 2 and 5). The huge variation in specimens of *S. fastuosa* is well covered in Paddock (1985). These specimens are all from the same small sample and are provisionally assigned to this species, with some doubts in the case of fig. 125.
- 127 *Actinoptychus asiaticus* Tempère and Brun in Brun and Tempère 1889. See Schmidt's Atlas (1874-1949, pl. 155, fig. 5; pl. 156, fig. 10).
- 128 *Actinoptychus adriaticus* Grunow 1863. Peragallo and Peragallo (1897-1908, pl. 111, fig. 5) and Hustedt (1929, fig. 267).
- 129-31 *Actinoptychus asiaticus* Tempère and Brun in Brun and Tempère 1889. See Schmidt's Atlas (1874-1959, pl. 155, fig. 5; pl. 156, fig. 10).
- 132 *Campylodiscus thurettii* Brébisson 1854. See Foged (1979, pl. 46, fig. 4).
- 133 *Campylodiscus ralfsii* W. Smith 1853. See Peragallo and Peragallo (1897-1908, pl. 56, fig. 4).
- 134 *Podocystis adriatica* (Kützinger) Ralfs 1861. See Hendey (1964, pl. 27, fig. 4).
- 135 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Paddock (1985, figs. 1-8). Refer to figs. 122-26 on this plate for additional data.
- 136 *Campylodiscus thurettii* Brébisson 1854. See Peragallo and Peragallo 1897-1908, pl. 57, fig. 4).
- 137-38 *Trachyneis aspera* var. (?) (Ehrenberg) Cleve 1894. See Giffen (1963, pl. 6, fig. 107). These distinctly cuneate specimens do not appear to fit the wide range of forms of this species.

Magnification: fig. 136: x750; all others: x1000

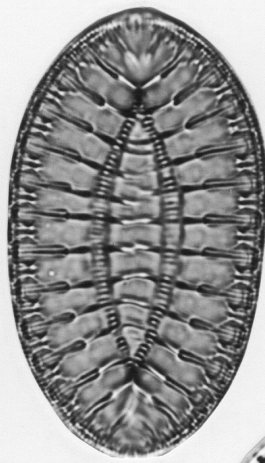
Scale Bar: scale bar is 40 microns for fig. 136; 30 microns for all figures at x1000



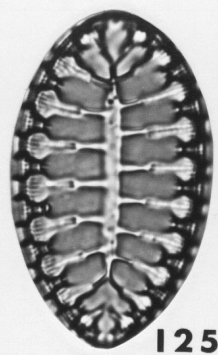
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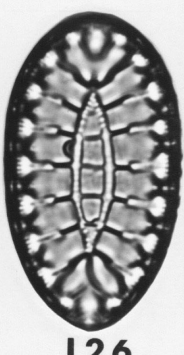
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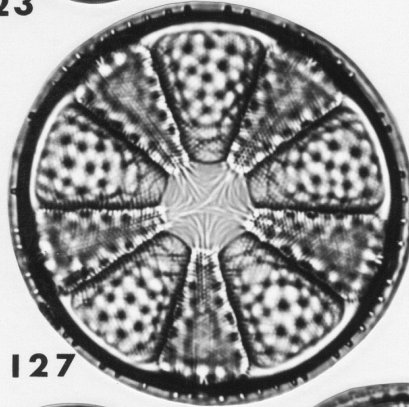
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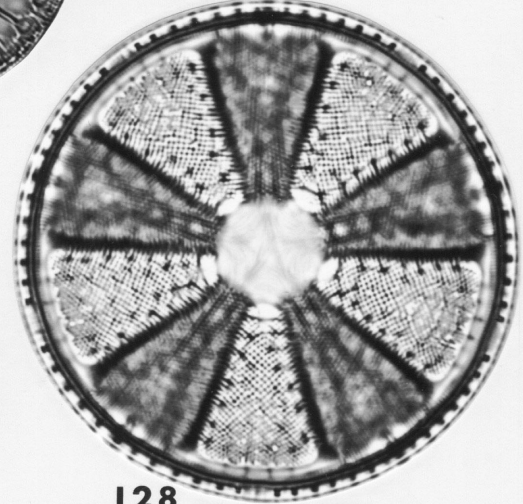
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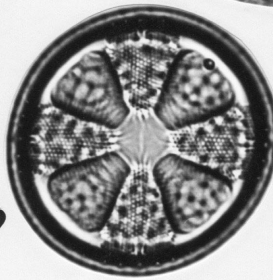
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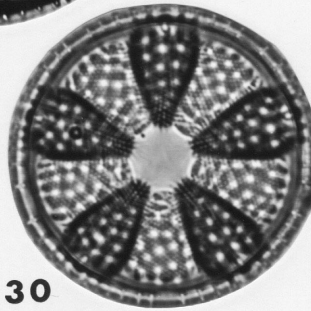
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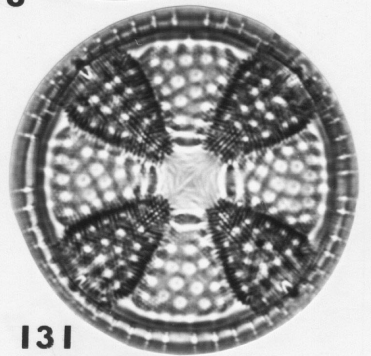
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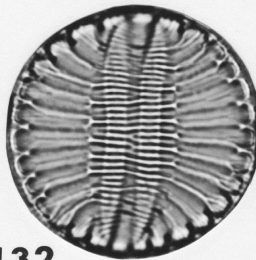
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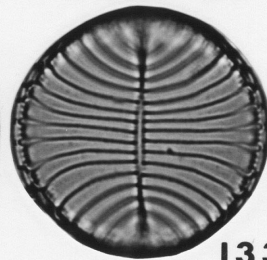
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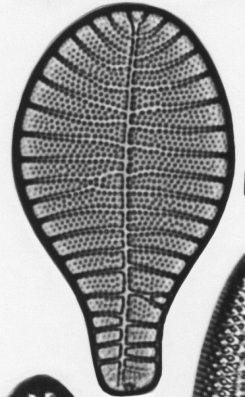
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132



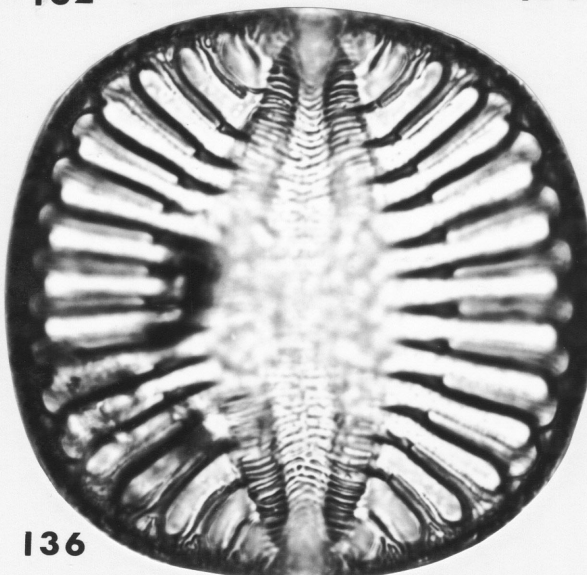
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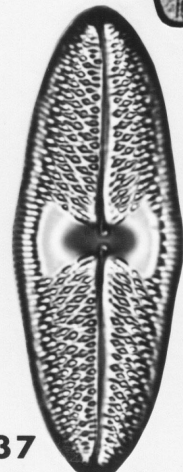
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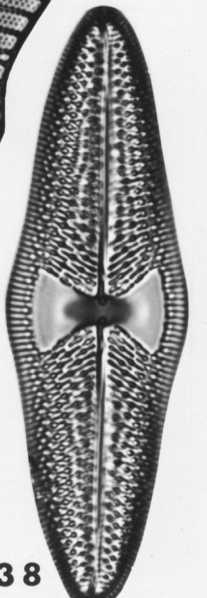
135



136



137



138