

Plate 2: 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

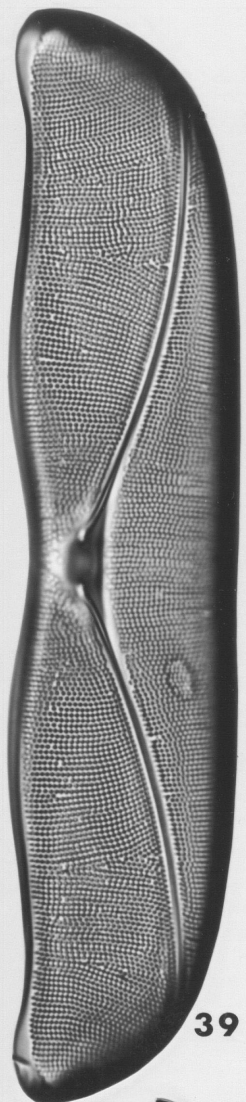
Plate Two:

- 39 *Amphora obtusa* var. *oceanica* (Castracane) Cleve 1895. See Peragallo and Peragallo (1897-1908, pl. 48, fig. 4).
- 40 *Amphora obtusa* Gregory 1857. See Schoeman and Archibald (1987, figs. 1-12).
- 41-42 *Amphora obtusa* Gregory 1857. See Schmidt's Atlas (1874-1959, pl. 40, fig. 16) also Schoeman and Archibald (1987, figs 1-12).
- 43 *Halumphora cymbifera* (Gregory) Levkov 2009. Schoeman and Archibald (1987, figs. 15-18), given as *Amphora cymbifera*.
- 44 *Amphora bistrinata* Leuduger-Fortmorel 1879 . See Peragallo and Peragallo (1897-1908, pl. 49, fig. 3).
- 45 *Amphora praelata* Hendey 1973. See Schoeman and Archibald (1987, figs. 39-41).
- 46 *Amphora spectabilis* Gregory 1857. See Hendey (1964, pl. 38, fig.8) and also Hendey (1970, pl. 3, fig. 28).
- 47 *Amphora ocellata* Ehrenberg 1838. See Hendey (1964, pl. 38, fig. 14). *A. ocellata* is a taxonomic synonym to *Amphora ovalis* (Kützing) Kützing.
- 48 *Amphora crassa* Gregory 1857 (whole frustule). See Schoeman, Archibald, and Sims (1986, pl. 1, figs. 3a, 6a).
- 49-50 *Amphora crassa* Gregory 1857. See Schoeman, Archibald, and Sims (1986, pl. 2, figs. 7a-c).
- 51 *Diploneis mirabilis* König 1959. See Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 93, fig. 1-8).
- 52 *Lyrella impercepta* (Hustedt) Moreno in Moreno, Licea, and Santoyo 1996. See Hustedt (1964, fig. 1530), given as *Navicula impercepta*.

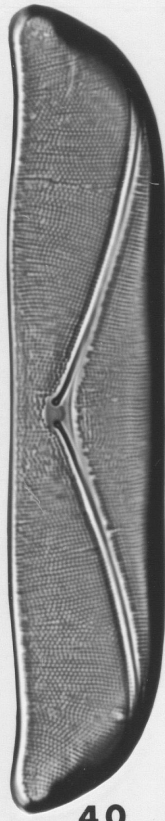
- 53-54 *Amphora cingulata* Cleve in A. Schmidt et al. 1875. See Peragallo and Peragallo (1897-1908, pl. 49, fig. 6).
- 55 *Amphora cingulata* (?) Cleve in A. Schmidt et al. 1875. See Peragallo and Peragallo (1897-1908, pl. 49, fig. 6). Identity is uncertain.
- 56 *Amphora* sp. indet. See Marine Diatoms of the Cape Verde Islands (in this volume, pl. 17, fig. 121). This specimen may be *Amphora crassa*.
- 57 *Parlibellus delognei* (Van Heurck) Cox 1988. See Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 104, fig. 1-5). Also, a very good match for *Parlibellus crucicula* as seen in Hustedt (1962, figs. 1436a-c), given as *Navicula crucicula*.
- 58 *Parlibellus delognei* (Van Heurck) Cox 1988. Enlargement of specimen in fig. 57.
- 59 *Navicula digitoradiata* (Gregory) Ralfs in Pritchard 1861. See Hendey (1964, pl. 29, fig. 9); also Krammer and Lange-Bertalot (1985, pl. 22, fig. 17).
- 60 *Navicula palpebralis* Brebisson in litt., W. Smith 1853. See Hendey (1964, pl. 34, figs. 14).
- 61 *Navicula palpebralis* Brebisson in litt., W. Smith 1853. See Hendey (1964, pl. 34, fig. 16).
- 62 *Diploneis papula* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 7, figs 45-47), given as *Navicula papula*; also Peragallo and Peragallo (1897-1908 pl. 19, fig. 24).
- 63-64 *Navicula applicita* Hustedt 1964. See Hustedt (1964, p. 386, figs. 1473a-b).

Magnifications: fig. 58: x1500; all others: x1000

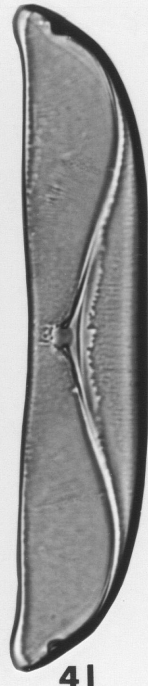
Scale Bar: scale bar is 30 microns for figures at x1000; 20 microns for fig. 58



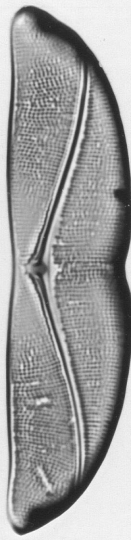
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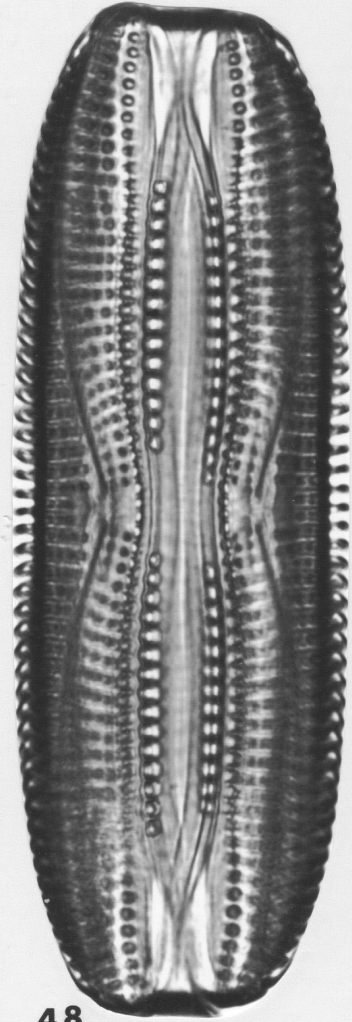
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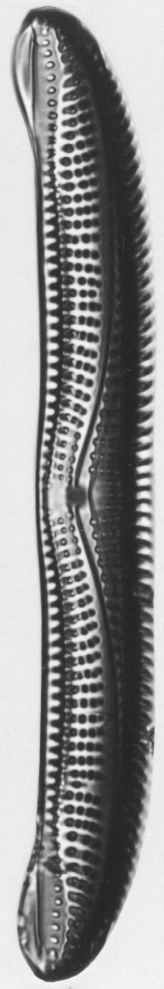
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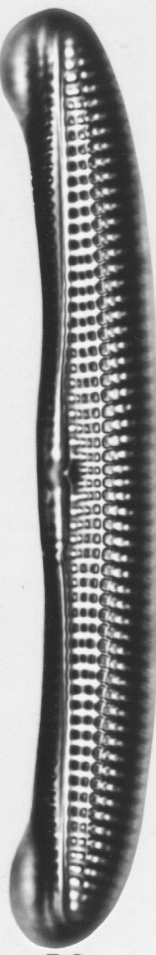
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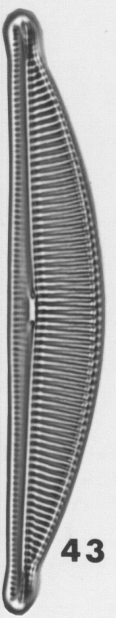
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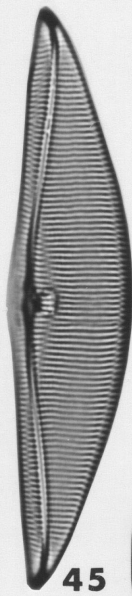
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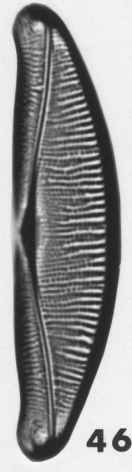
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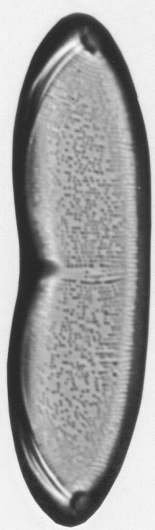
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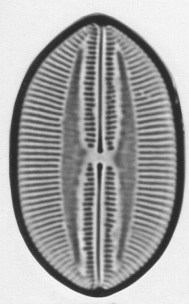
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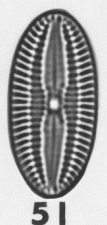
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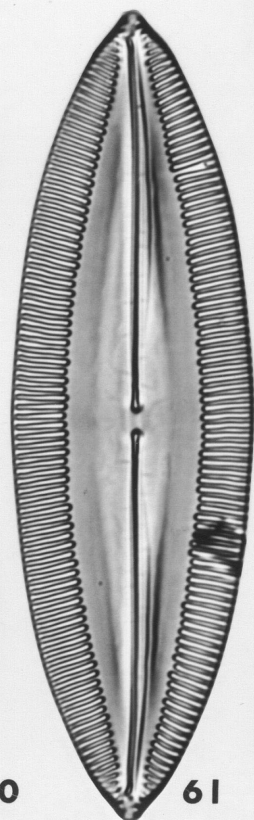
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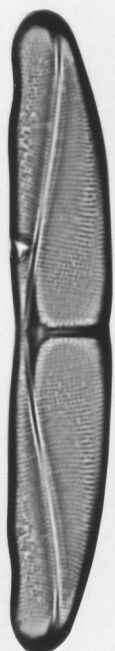
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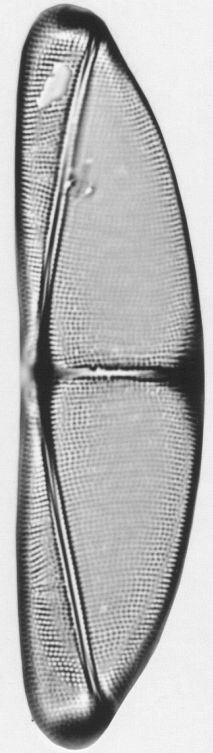
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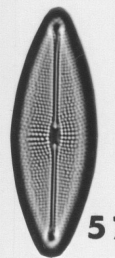
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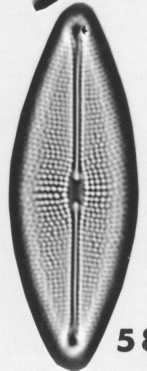
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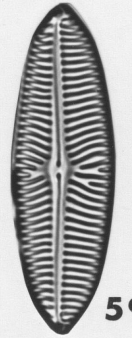
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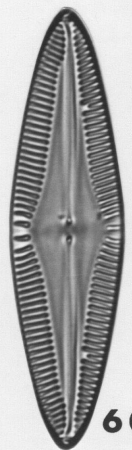
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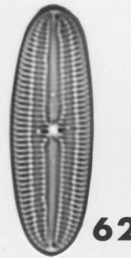
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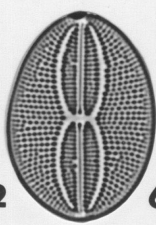
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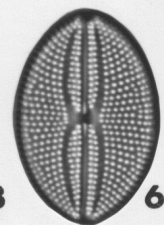
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