

Plate 47. MARINE DIATOMS FROM SAMOA

Source of Material

The sources of the diatom plate figures are slides from the Healey collection held at the National Institute of Water and Atmospheric Research, (NIWA), Greta Point, Wellington, New Zealand, as follow:

HC 1178 Apia, Samoa
HC 1589 a selected group of 50 forms, recent marine, Samoa
HC 1649 - HC 1650, Apia, Samoa, recent marine
HC 1701 strew, recent marine, Samoa
HC 2964 from algae, Samoa. Thum slide No.2519
HC 3227 *Navicula lyra*, strew, recent marine, Apia, Samoa, Möller
HC 3228 Recent marine strew, Apia, Samoa, Möller
HC 3229 *Aulacodiscus recedens*, strew, recent marine, Samoa, Möller
HC 3230 Recent marine strew, Samoa, Möller

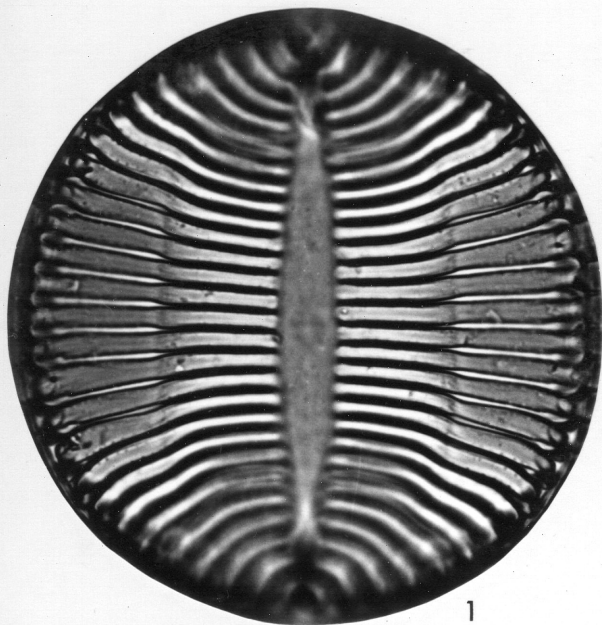
Plate Forty-seven:

- 1 *Campylodiscus biangulatus* Greville 1862. See Schmidt's Atlas (1874-1959, pl. 14, fig. 18) of a specimen from Samoa.
- 2-3 *Surirella fastuosa* var. *cuneata* Deby in Mills 1935. See Schmidt's Atlas (1874-1959, pl. 4, figs. 1-2 and pl. 206, fig. 15) given as *C. cuneata*. See also Paddock (1985, pl. 8, fig. A6).
- 4 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Schmidt's Atlas (1874-1959, pl.19, fig. 12).
- 5 *Navicula (Lyrella) clavata* var. *indica* (Greville) Cleve 1895. See Hustedt (1964, fig. 1512) and Desikachary (1989, pl. 625, fig. 4).
- 6 *Campylodiscus biangulatus* Greville 1862. See Schmidt's Atlas (1874-1959, pl. 14, fig. 18).
- 7-8 *Actinocyclus normanii* (?) (Gregory in Greville) Hustedt 1957. Identity is uncertain. The specimen closely resembles that of *Coscinodiscus symmetricus* Greville. See Schmidt's Atlas (1974-1959, pl. 57, fig. 27) of a specimen from Singapore.
- 9 *Lyrella lyroides* (Hendey) Mann in Round, Crawford and Mann 1990. See Hendey (1964, pl. 33, figs. 3-4), given as *Navicula lyroides*.
- 10 *Lyrella robertsiana* Greville 1865. See Hendey (1970, p. 137, pl. 3, fig. 24), given as *Navicula robertsiana*.
- 11 *Navicula brasiliensis* Grunow 1863. See Hendey (1958, p. 64, pl. 1, fig. 1) and also Desikachary (1989, pl. 623, fig. 2).

12-13 *Caloneis robusta* Cleve 1894. See Grunow 1877 in Schmidt's Atlas (1874-1959, pl. 50, figs. 1-2) given as *Navicula robusta* Grunow. See also Cleve (1894, p. 55).

Magnifications: figs. 9-10, 12-13: x500; all others x750.

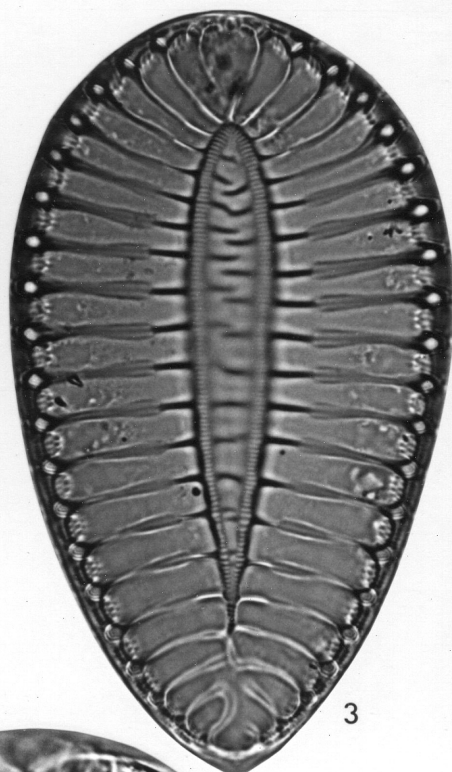
Scale Bar: scale bar is 60 microns for the figures at x500; 40 microns at x750



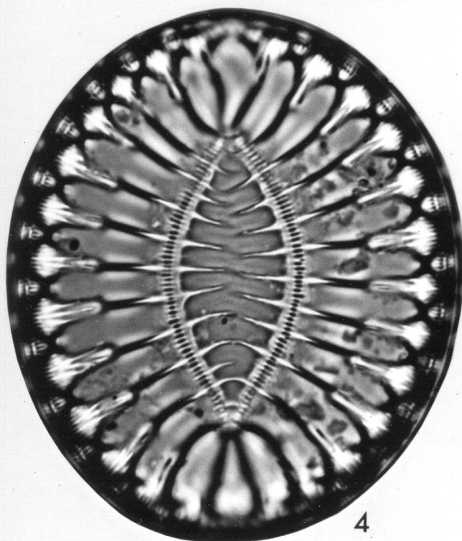
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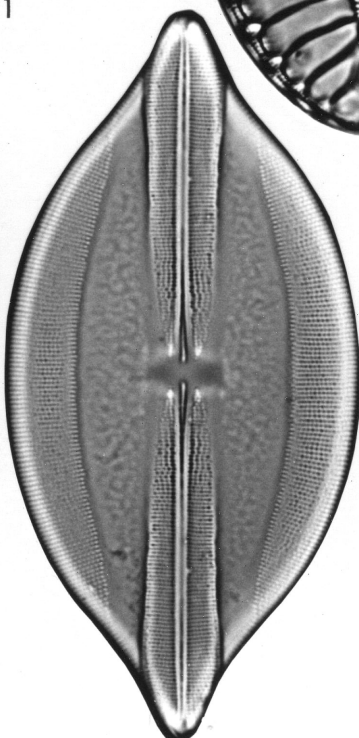
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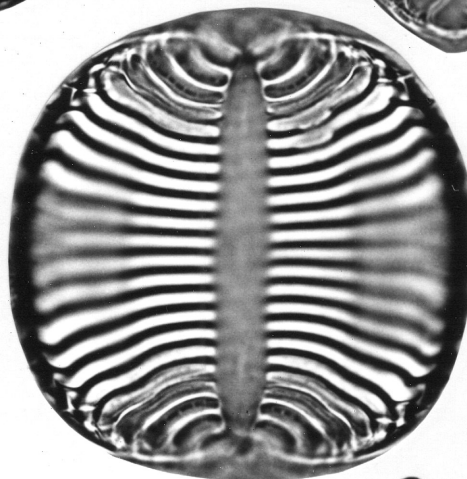
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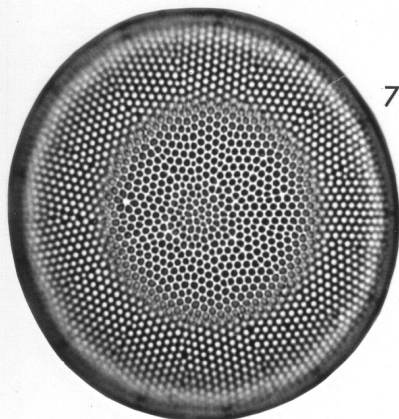


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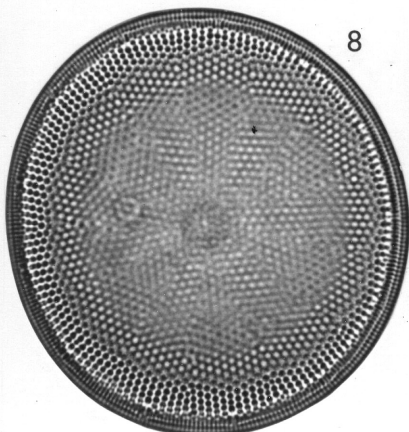


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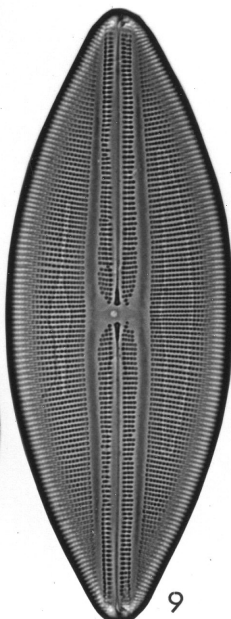
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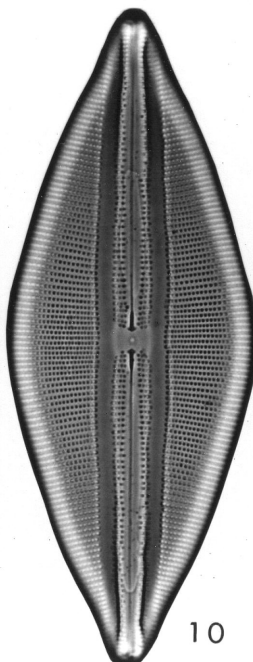
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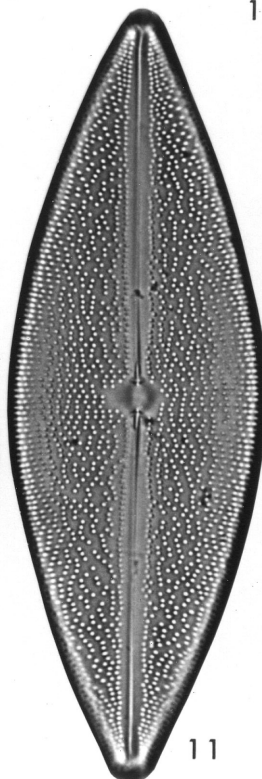
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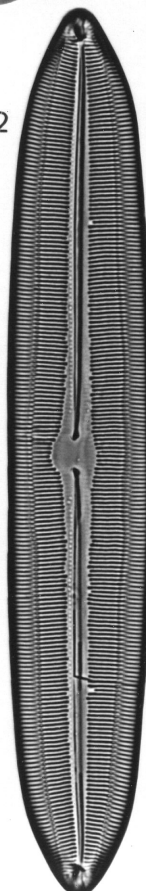
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