

Plate 45. MARINE DIATOMS FROM SINGAPORE

Source of Material

From the Morris Watt Collection, Otago Museum, New Zealand.

Slide No. 174, catalogue No. 65

Slide No. 194, catalogue No. 80

Slides are labelled as "Muntok, Singapore", however Muntok (or Mentok) is in Indonesia, therefore the geography of these samples is uncertain.

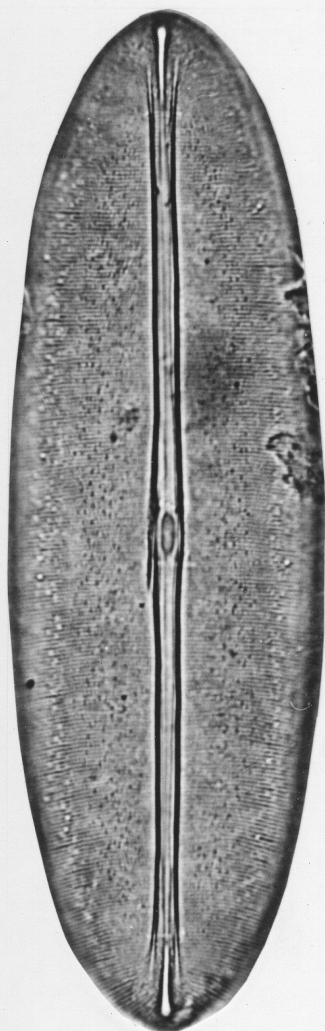
Plate Forty-five:

- 18 *Frickea lewisiana* (Greville) Heiden in Schmidt et al. 1906.
See Schmidt's Atlas (1874-1959, pl. 264, fig. 1); also Patrick and Reimer (1966, p. 311, pl. 22, figs. 6a-c).
- 19 *Dictyoneis marginata* (Lewis) Cleve 1890. See Schmidt's Atlas (1874-1959, pl. 160, figs. 28-29) and Cleve (1894-1895, p. 30, pl. 5, fig. 32).
- 20 *Trachyneis aspera* (Ehrenberg) Cleve 1894. See Desikachary (1989, pl. 760, fig. 2) of a specimen from Singapore.
- 21 *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 (1894-1895, p. 55).
- 22 *Caloneis elongata* (Grunow in Schmidt) Boyer 1927. See Schmidt's Atlas (1874-1959, pl. 50, figs. 27-29); also Navarro (1982a, pl. 21, fig. 8). The specimen given as *C. madraspatensis* R. Subrahm by Desikachary and Prema (1987, pl. 251, fig. 1) is probably a synonym of *C. elongata*.
- 23 *Nitzschia graeffii* Grunow in Cleve 1878. See Grunow (1880, p. 394, pl. 12, fig. 4).
- 24 *Psammodictyon panduriforme* (Gregory) Mann in Round, Crawford and Mann 1990. See Gregory (1857, pl. 6, fig. 102) and Foged (1975, pl. 29, fig. 13), identified as *Nitzschia panduriformis*.
- 25-26 *Mastogloia quinquecostata* (?) Grunow 1860. See Grunow (1860, pl. 7, fig. 8b); also Hustedt (1933, fig. 989a) and Desikachary and Prema (1987, pl. 266, fig. 11). Provisional identification. The four longitudinal costa in this specimen is not as well-defined as they are in the references given here.
- 27 *Tryblionella cocconeiformis* (Grunow) Mann in Round, Crawford and Mann 1990. See Desikachary (1989, pl. 655, fig. 8), identified as *Nitzschia cocconeiformis*.
- 28 *Triceratium scitulum* Brightwell 1853. See Desikachary (1989, pl. 790, fig. 7) of a specimen from Singapore.

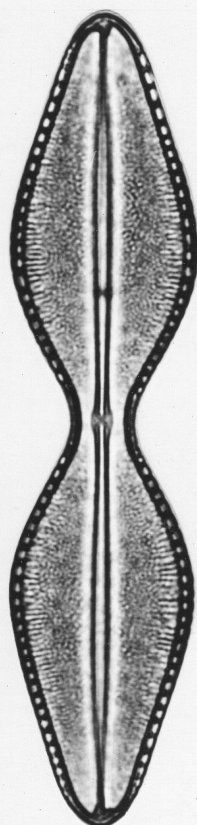
- 29 *Nitzschia* sp. indet.
- 30 *Synedra formosa* Hantzsch in Rabenhorst 1863. See Hustedt (1932, fig. 720).
- 31-32 *Stictodesmis australis* Greville 1863. See Greville (1863, p. 535, pl. 13, figs. 1-4).
NOTE: Greville's taxon of figs. 31 and 32 was renamed as *Navicula lorenzii* (Grunow) Hustedt and is now called *Climaconeis lorenzii* (Cox 1982).
- 33 *Eunotogramma frauenfeldii* (Grunow) Grunow in Van Heurck 1883.
See Grunow in Van Heurck (1880-1885, pl. 126, fig. 14) and Hendey (1971, p. 385, figs. 16-17).
- 34 *Triceratium scitulum* fo. *quadrata* Schmidt in Schmidt et al. 1885.
See Desikachary (1989, pl. 790, figs. 1-2; pl. 776, fig. 2).
- 35 *Cerataulina bicornis* (Ehrenberg) Hasle in Hasle and Sims 1985.
See Hasle and Sims (1985, p. 219, figs. 1-11).

Magnifications: fig. 18: x1000; figs. 19-29, 31-35: x750; fig. 30: x375

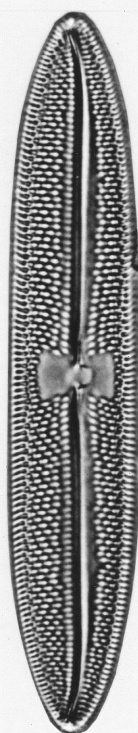
Scale Bar: scale bar is 30 microns for fig. 30; 40 microns for all figures at x750;
30 microns for fig. 18



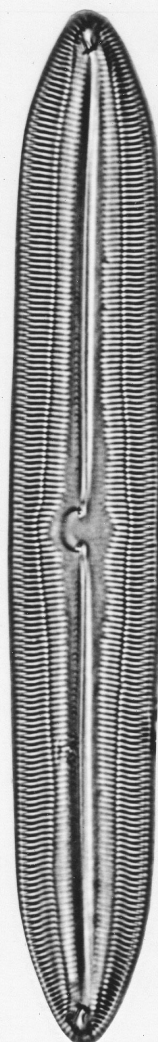
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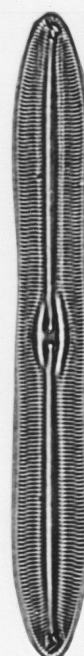
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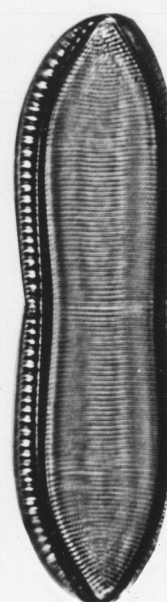
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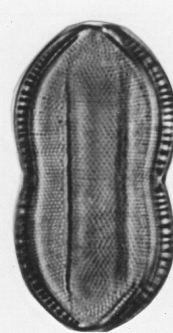
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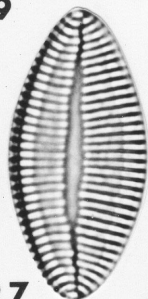
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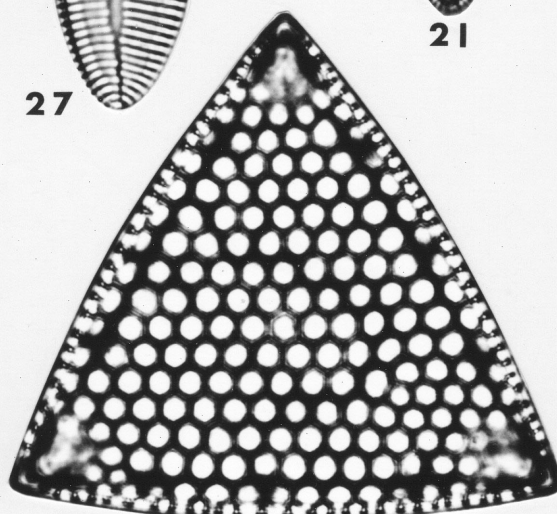
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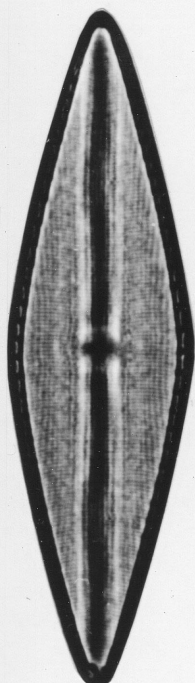
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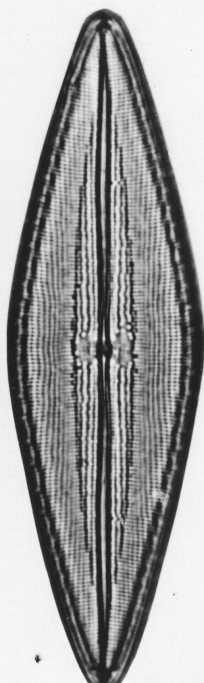
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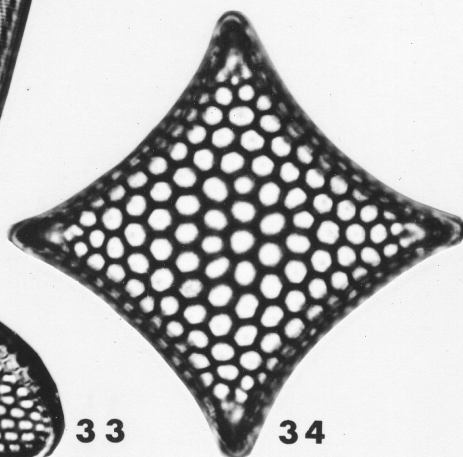
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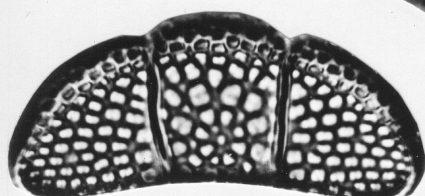
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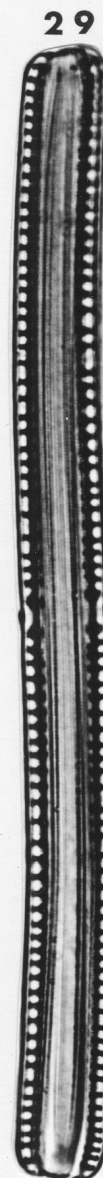
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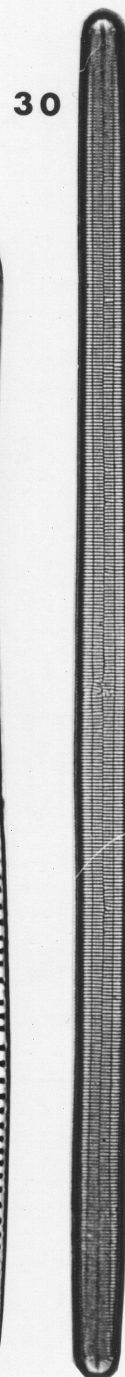
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