

Plate 33: MARINE DIATOMS FROM INDONESIA

Source of Material

Slide HC 2951, recent marine strew from algae, Sumatra.
mounted by Thum on slide No.2501.

Slide HC 2963 and HC 2988, recent marine strew from Holothuria,
Painan, Sumatra. Mounted by Thum on slides No.2493 and 2703.

Slide HC 3810, selected recent marine species from Samarang,
Java.

The slides are held in the Healey Collection at the National
Institute for Water and Atmospheric Research (NIWA) Greta Point,
Wellington, N.Z.

NOTE: the data given for the figures of these two plates do not specify which slide was used for the figure. The slide HC 1082 used for figs 9 and 10 is from a sample "Hongkong, mud".

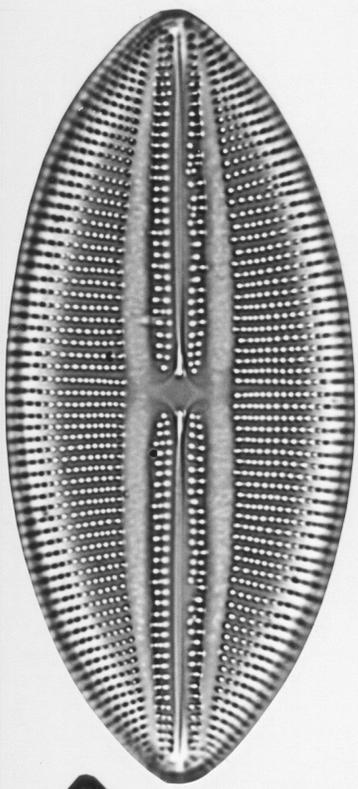
Plate Thirty-three:

- 20, 22 *Lyrella lyra* (Ehrenberg) Karajeva 1978. The complex of forms, variations and species around *Lyrella lyra* appears to require further clarification, the identification of fig. 22 is provisional only.
- 21 *Navicula (Lyrella) lyra* var. *intermedia* Peragallo and Peragallo 1897 (No formal transfer to *Lyrella* can be found for this variety). See Schmidt's Atlas (1874-1959, pl. 257, fig. 2) of a specimen from Java, given as *Navicula lyra* var. *intermedia*.
- 23 *Mastogloia splendida* (Gregory) Pergallo 1888. See Hendeby (1964, pl. 37, fig. 2).
- 24, 28 *Lyrella praetexta* (Ehrenberg) Mann in Round, Crawford and Mann 1990. See Hendeby (1964, pl. 33, fig. 1), given as *Navicula praetexta*.
- 25 *Oestrupia powellii* var. *vidovichii* (Grunow) Heiden in Schmidt et al. 1906. See Schmidt's Atlas (1874-1959, pl. 264, fig. 8).
- 26 *Caloneis maxima* (Gregory) F.W. Mills. See Gregory (1856, pl. 5, fig. 2) given as *Navicula maxima*, which is near a perfect match for this specimen. See also Schmidt's Atlas (1874-1959, pl. 50, figs. 19-21).
- 27 *Diploneis fusca* (Gregory) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 7, figs. 1-4) and also Marine Diatoms from the Cape Verde Islands (in this volume pl. 18, fig. 134).
- 29 *Petroneis monilifera* (Cleve) Stickle and Mann in Round, Crawford and Mann 1990. See Hustedt (1966, fig. 1699a) and Hendeby (1964, pl. 31, fig. 4), given as *Navicula monilifera*.

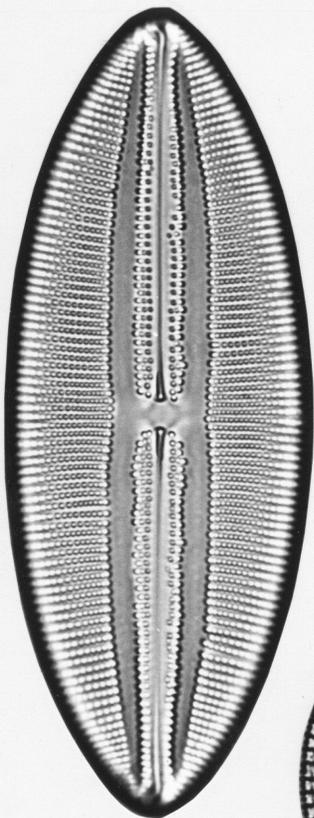
- 30 *Fallacia forcipata* var. (?). See Peragallo and Peragallo (1897-1908, pl. 21, fig. 28) and Tynni (1975, pl. 4, fig. 87), which agrees well with this figure and identified as a *Navicula forcipata*.
- 31-32 *Diploneis exemta* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 11, figs. 28-29) and also Peragallo and Peragallo (1897-1908, pl. 15, fig. 17).
- 33 *Lyrella atlantica* (Schmidt) Mann in Round, Crawford and Mann 1990. See Schmidt's Atlas (1874-1959, pl. 2, fig. 33) and Hustedt (1964, fig. 1555), given as *Navicula lyra* var. *atlantica*.
- 34 *Trachyneis aspera* (Ehrenberg) Cleve 1894. See Hendey (1964, pl. 29, fig. 13).
- 35 *Navicula pennata* var. *maxima* Cleve 1895. See Peragallo and Peragallo (1897-1908, pl. 11, fig. 24).

Magnifications: figs. 24, 27, 28, 34: x750; all others: x1000

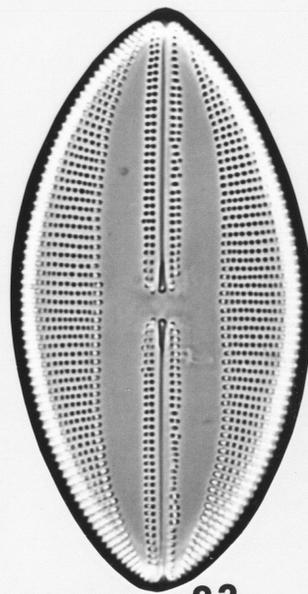
Scale Bar: scale bar is 40 microns for the figures shown at x750; 30 microns at x1000



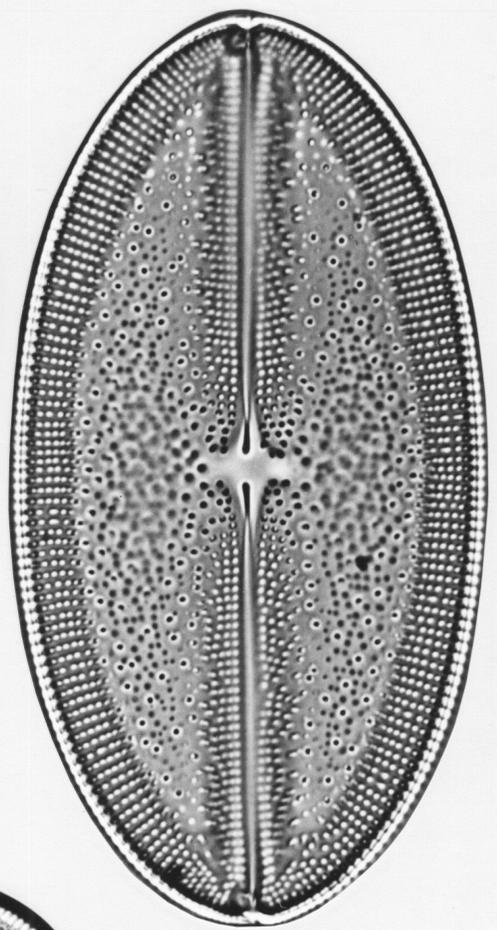
20



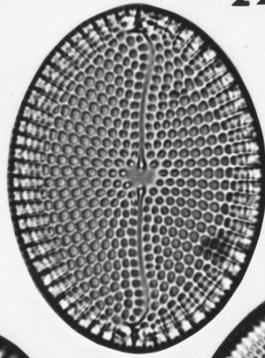
21



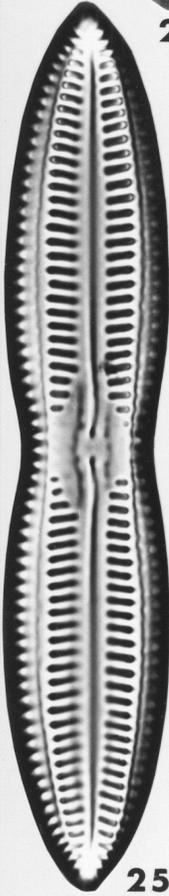
22



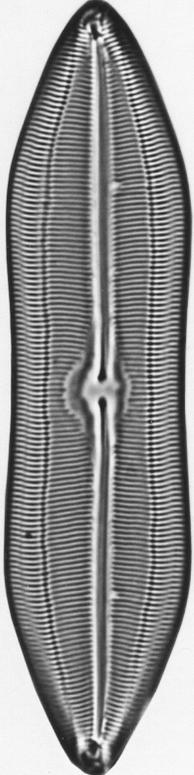
24



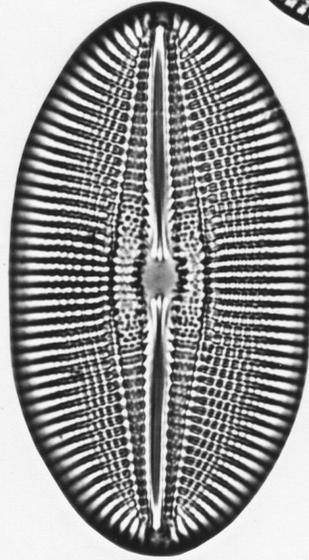
23



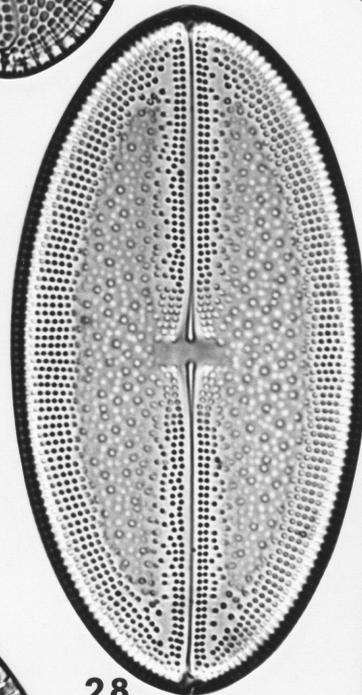
25



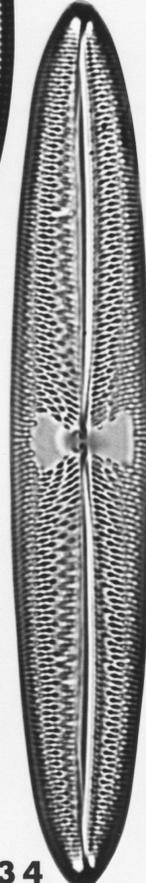
26



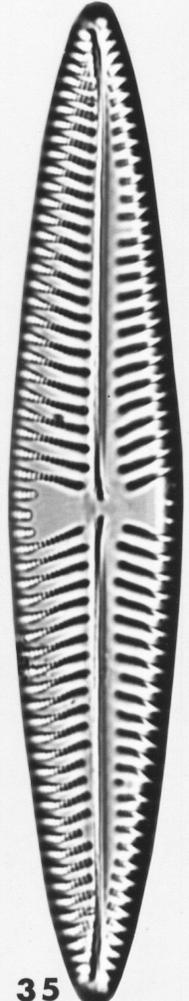
27



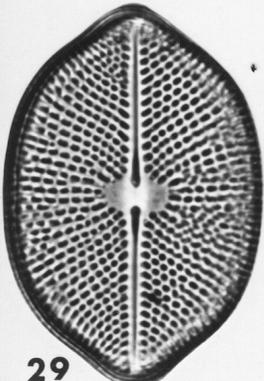
28



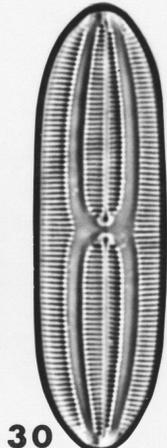
34



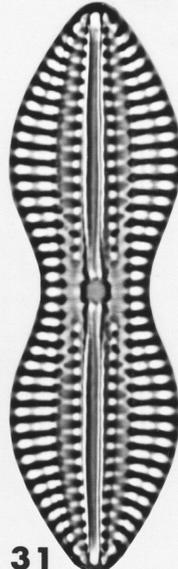
35



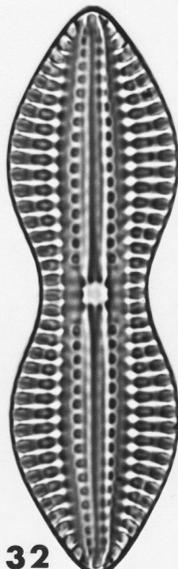
29



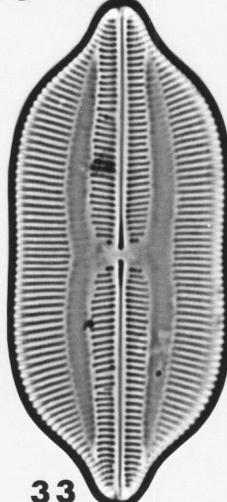
30



31



32



33

