

Plate 32: 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-two:

- 1 *Campylodiscus daemelianus* in Schmidt 1874. See Peragallo and Peragallo (1897-1908, pl. 52, fig. 6).
- 2 *Surirella fastuosa* var. *opulenta* (Grunow) Schmidt in Schmidt et al. 1875.
See Desikachary (1989, pl.724, fig. 4). Also, see Schmidt's Atlas (1874-1959, pl. 20, fig. 1)
- 3 *Campyloneis horologium* (Williamson) Nizamuddin 1982. See Schmidt's Atlas (1874-1959, pl. 51, fig.7 and pl. 207, figs. 24-25) of specimens from Sumbawa, Java, given as *Campylodiscus horologium*.
- 4-5 *Mastogloia fimbriata* (Brightwell) Cleve 1895. See Desikachary and Prema (1987, pl. 297, fig. 5).
- 6-7 *Mastogloia fimbriata* (Brightwell) Cleve 1895. See Desikachary and Prema (1987, pl. 297, fig. 3).
- 8 *Diploneis crabro* var. *gloriosa* (Brun) Cleve 1894. See Ricard (1977, pl. 4, fig. 4).
- 9-10 *Navicula brasiliensis* Grunow 1863 (from slide HC 1082). See Desikachary (1989, pl. 623, fig. 2) and also Hendey (1958, p. 64, pl. 1, fig. 1). Grunow (1863, pl. 14, fig. 10) is rather lacking in detail. Schmidt's Atlas (1874-1959, pl. 6, figs 19-21, 23-25 and 31-33) bear little resemblance to the specimen from slide HC 1082 represented here in figs. 9-10. However, the figure in Desikachary (1989) is in close agreement.
- 11 *Diploneis smithii* (Brébisson in W. Smith) Cleve 1894 . See Hendey (1970, pl. 5,

fig. 46).

- 12 *Navicula (Lyrella) lyra* var. *elliptica* fo. *bullata* (Norman) Cleve 1895 (No formal transfer to *Lyrella* could be found for this variety). See Norman (1861, pl. 2, fig. 7).
- 13 *Synedra superba* Kützing 1844. See Desikachary (1989, pl. 738, figs. 8, 10).
- 14 *Synedra superba* Kützing 1844. Complete frustules.
- 15 *Rhabdonema adriaticum* (Harvey and Bailey) Stodder 1880. See Foged (1984, pl. 25, fig. 2) and also Desikachary (1989, pl. 691, fig. 3).
- 16 *Rhabdonema punctatum* (Harvey and Bailey) Stodder 1880. See Desikachary and Prema (1987, pl. 385, fig. 2).
- 17 *Rhabdonema punctatum* (Harvey and Bailey) Stodder 1880. See Desikachary and Prema (1987, pl. 385, fig. 3).
- 18 *Navicula zanzibarica* var. *zebuana* Castracane 1889. See Schmidt's Atlas, (1874-1959, pl. 120, fig. 4), Hustedt (1964, fig. 1542c) and Williams (1988, pl. 48, fig. 1).
- 19 *Lyrella barbitos* (Schmidt) Mann in Round, Crawford and Mann 1990. See Desikachary (1989, pl. 622, figs. 2, 4) and Hustedt (1964, fig. 1539a-b), given as *Navicula barbitos*.

Magnifications: figs. 1-3, 9-10, 12, 18-19 x500; figs. 13-17 x750; all others x1000

Scale Bar: scale bar is 60 microns for the figures shown at x500; 40 microns at x750; 30 microns at x1000

