

Plate 52. DIATOMS FROM VARIOUS OR UNKNOWN LOCALITIES

Source of Material

All specimens are from slides in the Healey Collection (HC), held at the National Institute of Water and Atmospheric Research (NIWA), Greta Point, Wellington, New Zealand. Data on locality and maker of the slide have been added based on the slide labels. Where no locality is given, the slide presents a selected specimen.

Plate Fifty-two:

- 1 *Lyrella spectabilis* (Gregory) Mann in Round, Crawford and Mann 1990, slide HC-3750. This is possibly a specimen of *N. perplexa*. See Peragallo and Peragallo (1897-1908, pl. 23, fig. 13) and also Hendeby (1964, pl. 33, fig. 13), given as *Navicula spectabilis*. This specimen bears no resemblance to Gregory's (1857, p. 9, pl. 9, fig. 10) specimen for *Navicula spectabilis*. He states: "The blank spaces between the marginal and central bands are very broad".
- 2 *Lyrella sandriana* (Grunow) Mann in Round, Crawford and Mann 1990, slide HC-3822. See Grunow (1863, pl. 13, fig. 5); Hustedt (1964, fig. 1481) and Desikachary (1989, pl. 645, fig. 3), given as *Navicula sandriana*.
- 3 *Lyrella praetexta* (Ehrenberg) Mann in Round, Crawford and Mann 1990, slide HC-3747. See Hendeby (1964, pl. 33, fig. 1) and Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 97, fig. 5), given as *Navicula praetexta*.
- 4 *Lyrella genifera* (Schmidt) Mann in Round, Crawford and Mann 1990, slide HC-1816, Jamaica. See Hustedt (1964, fig. 1505), given as *Navicula genifera*. The first specimen of two (see fig. 7 on this plate for specimen one).
- 5 *Lyrella hennedyoides* Hustedt 1964, slide HC-1617, Gulf of Mexico. See Hustedt (1964, fig. 1479a), given as *Navicula hennedyoides*.
- 6 *Petroneis monilifera* (Cleve) Stickle and Mann in Round, Crawford and Mann 1990, slide HC-3740. The slide is incorrectly named as *N. granulata*. See Hendeby (1964, pl. 31, figs. 4-5) and also Foged (1975, pl. 21, fig. 2). These agree exactly with the slide specimen illustrated here, identified as *Navicula monilifera*.
- 7 *Lyrella genifera* (Schmidt) Mann in Round, Crawford and Mann 1990, slide HC-1816, Jamaica. The second specimen of two (see fig. 4 on this plate for specimen one). See Hustedt (1964, fig. 1505), given as *Navicula genifera*.
- 8 *Lyrella clavata* (Gregory) Mann in Round, Crawford and Mann 1990, slide HC-3822. See Gregory (1856, pl. 5, fig. 17), Hustedt (1964, fig. 1509a-b) and Desikachary and Prema (1987, pl. 300, fig. 1), given as *Navicula clavata*.
- 9 *Diploneis fusca* Gregory 1857, slide HC-3739. See Hendeby (1964, pl. 32, fig. 4).
- 10 *Lyrella approximata* (?) (Greville) Mann in Round, Crawford and Mann 1990, slide

HC-1818, Jamaica. A doubtful identification. This specimen does not equate to the original illustration of Greville in Williams (1988, pl. 44, fig. 15). However it is somewhat similar to Hustedt's (1964, fig. 1494) specimen of *N. approximata* var. *kittoniana*, but more closely resembles Henney's (1970, pl. 2, fig. 13) specimen.

- 11 *Lyrella praetexta* (Ehrenberg) Mann in Round, Crawford and Mann 1990, slide HC-1617, Gulf of Mexico. See Henney (1964, pl. 33, fig. 1) and Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 97, fig. 5), given as *Navicula praetexta*.

Magnifications: figs. 2, 4, 7, 8, 10: x750; all others: x1000

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

