

Plate 49. 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-nine:

- 32 *Lyrella lyra* (Ehrenberg) Karajeva 1978. See Desikachary (1989, pl. 633, fig. 9), given as *Navicula lyra*.
- 33 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Schmidt's Atlas (1874-1959, pl. 19, fig. 13).
- 34 *Triceratium favus* fo. *quadrata* (Grunow in Schmidt et al.) Hustedt 1930. See Desikachary (1989, pl. 775, fig. 2 and pl. 776, fig. 3)
- 35 *Trigonium zonulatum* (Greville) Mann 1907. See Greville in Williams (1988, pl. 74, figs. 7-8) and also Desikachary (1989, pl. 806, figs. 3-4).
- 36 *Navicula (Lyrella) spectabilis* fo. *angelorum* (Cleve) Hustedt 1964 (No formal transfer to *Lyrella* can be found for this form). See Desikachary (1989, pl. 647, fig. 1).
- 37 *Diploneis nitescens* (Gregory) Cleve 1894. See Hustedt (1937, fig. 1047).
- 38 *Aulacodiscus orientalis* Greville 1864 . See Greville (1864, pl. 2, fig. 6) and Schmidt's Atlas (1874-1959, pl. 34, figs. 1-3).
- 39 *Nitzschia nicobarica* (Grunow) Grunow 1880. See Grunow (1880, pl. 12, fig. 2) and also Lange-Bertalot and Krammer (1987, pl. 16, fig. 7) of a specimen from Apia, Samoa, No. 1454 in the collection of Grunow.
- 40 *Stictodiscus parallelus* (Ehrenberg) Castracane 1886. See Schmidt's Atlas (1874-1959, pl. 75, figs. 11-13 and pl. 76, figs. 14-17) given as *Triceratium parallelum* forma *trigona*.

- 41-42 *Mastogloia horvathiana* Grunow 1860, a whole frustule. See Brun (1895, pl. 16, figs. 66-67); also Hustedt (1933 fig. 890) and Foged (1975, pl. 13, figs. 6-7).
- 43 *Mastogloia splendida* (Gregory) H. Peragallo 1888. See Stephens and Gibson (1979, p. 507, figs. 41-46).
- 44 *Lyrella lyroides* (Hendey) Mann in Round, Crawford and Mann 1990. See Hendey (1964, p. 209, pl. 33, figs. 3-4), given as *Navicula lyroides*.

Magnifications: figs. 33, 38: x750; all others: x1000

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

