

## Plate 48. 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-eight:

- 14 *Aulacodiscus recedens* A. Mann 1925. See A. Mann (1925, p. 31, pl. 6, fig. 3).
- 15 *Triceratium scitulum* Brightwell 1853. See Brightwell (1853, p. 250. pl. 4, fig. 9).
- 16 *Trigonium reticulum* Ehrenberg 1844. See Hendeby (1970, pl. 6, fig. 70).
- 17-18 *Triceratium favus* fo. *quadrata* (Grunow in Schmidt et al.) Hustedt 1930. See Schmidt's Atlas (1874-1959, pl. 84, fig. 4).
- 19 *Triceratium sparsipunctatum* Hustedt in Schmidt et al. 1959. See Schmidt's Atlas (1874-1959, pl. 467, fig. 29) and also Hustedt in Simonsen (1987, p. 466, pl. 702, figs. 1-3).
- 20-21 *Trigonium formosum* var. *pentagonalis* (Schmidt) Desikachary and Prema 1987. See Schmidt's Atlas (1874-1959, pl. 79, fig. 4) of a specimen from Samoa, and also Desikachary (1989, pl. 801, fig. 3), given as *Triceratium formosum* var. *pentagonalis*.
- 22 *Trigonium formosum* (Brightwell) Hendeby 1971, a whole frustule.
- 23 *Trigonium arcticum* var. *californicum* (Grunow) Wornardt 1967. See Schmidt's Atlas (1874-1959, pl. 79, fig. 5), given as *Triceratium arcticum* var. *californicum*.
- 24 *Triceratium pentacrinus* (Ehrenberg) Wallich 1858. See Desikachary (1989, pl. 786, figs. 1-9).
- 25 *Trachyneis aspera* (Ehrenberg) Cleve 1894. Hendeby (1964, pl. 29, fig. 13).

- 26 *Psammodictyon panduriforme* (Gregory) Mann in Round, Crawford and Mann 1990. See Foged (1975, pl. 29, fig. 13); also Lange-Bertalot and Krammer (1987, pl. 19, fig. 8), given as *Nitzschia panduriformis*.
- 27-28 *Diploneis crabro* (Ehrenberg) Ehrenberg 1854. See Schmidt's Atlas (1874-1959, pl. 11, figs. 15, 16, 18).
- 29 *Thalassiosira endoseriata* Hasle and Fryxell in Fryxell and Hasle 1977. See Mahood, Fryxell and McMillan (1986, p. 146, fig. 91). Also, specimen is similar to *Actinocyclus normanii* (A. Witkowski, written commun., 2012).
- 30 *Nitzschia graeffii* Grunow in Cleve 1878. See Grunow (1880, pl. 12, fig. 4); also Schmidt's Atlas (1874-1959, pl. 349, fig. 42) and Lange-Bertalot and Krammer (1987, pl. 23, fig. 1).
- 31 *Psammodictyon panduriforme* (Gregory) Mann in Round, Crawford and Mann 1990. See Foged (1975, pl. 29, fig. 13); also Lange-Bertalot and Krammer (1987, pl. 19, fig. 8), given as *Nitzschia panduriformis*.

Magnifications: figs. 17-18, 20-23: x500; figs. 15, 25, 29: x750; all others: x1000

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

