

Plate 37. MARINE DIATOMS FROM THE NEW HEBRIDES

Source of Material

Ambrym Island - HC 1959. Figs. 1-3, 24-25, 36-37

New Hebrides - HC 2018. Figs. 5-6, 13-14, 26-27, 29-30

Paama Island - HC 759, HC 1967, HC 1970, HC 1971, HC 1989, HC 3011.
Figs. 4, 7-12, 15-23, 28, 31-35, 38-39

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

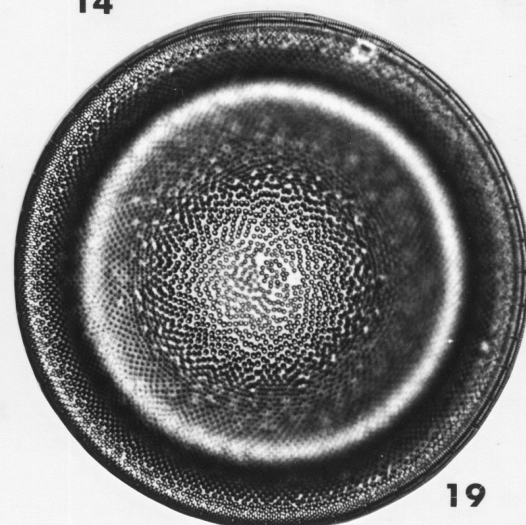
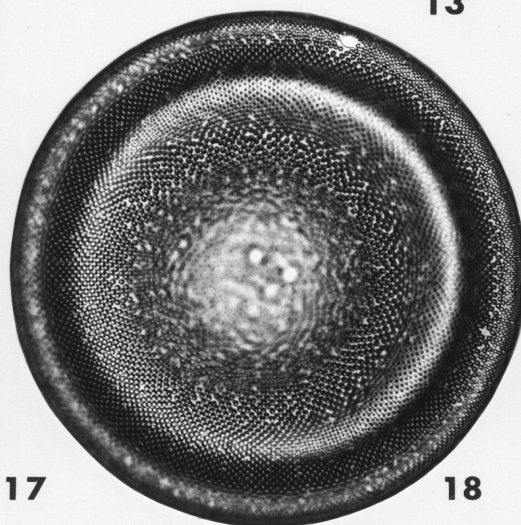
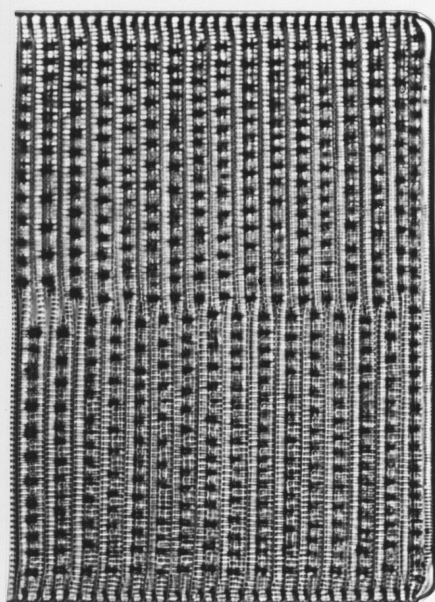
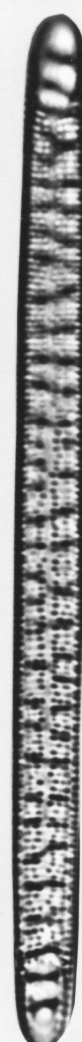
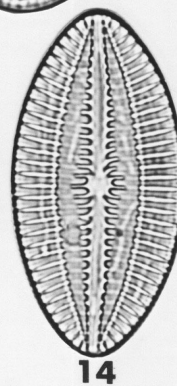
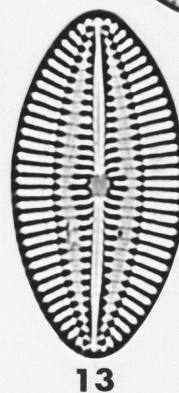
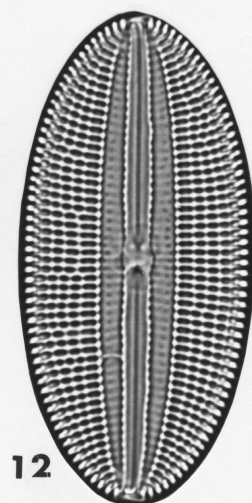
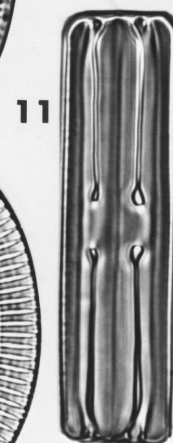
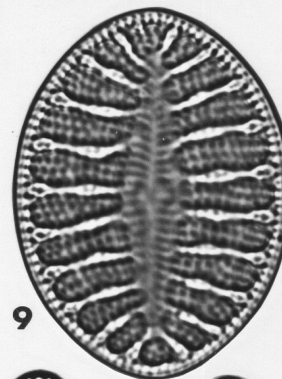
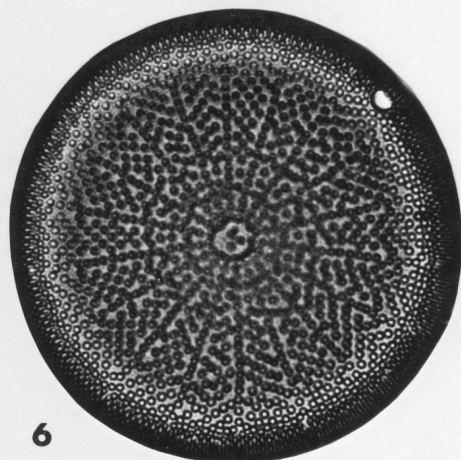
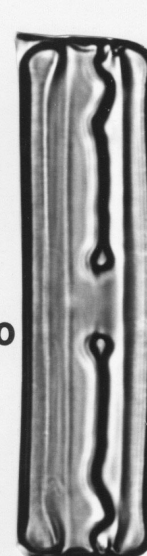
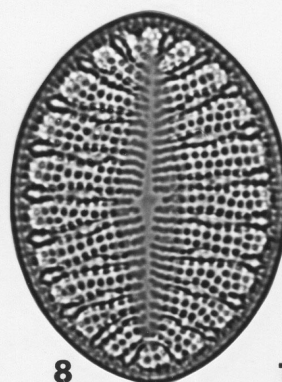
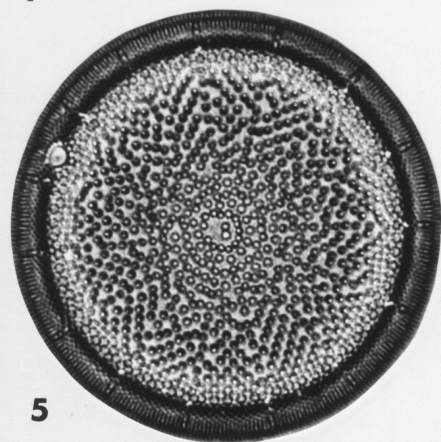
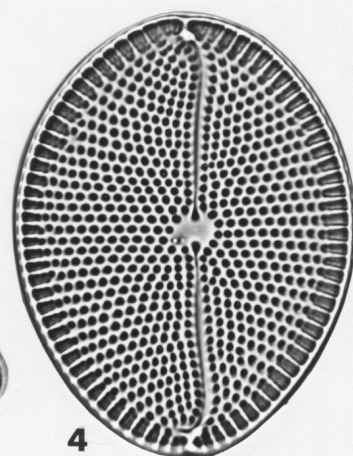
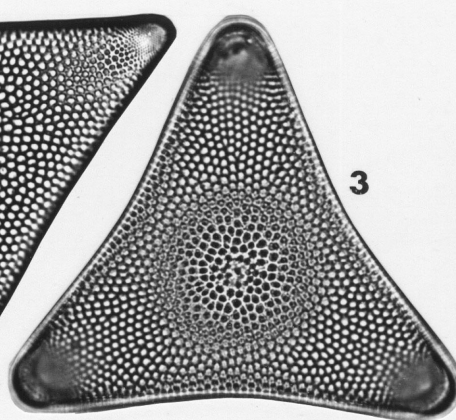
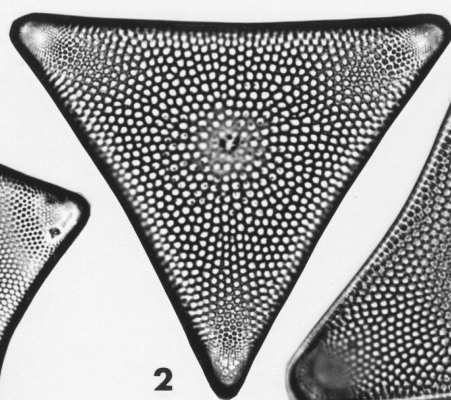
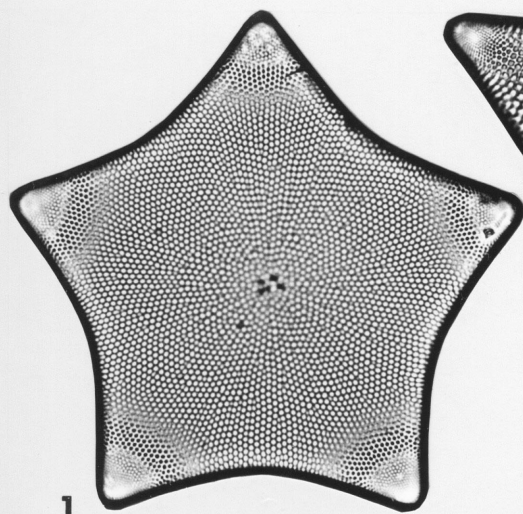
Plate Thirty-seven:

- 1 *Trigonium graeffeanum* (Witt) Hendey 1971. See Schmidt's Atlas (1874-1959, pl. 79, fig. 1 of a specimen from Funafuti, Ellice Islands, given as *Amphitetras graeffeanum*; also Hendey (1971, p. 382, fig. 29).
- 2 *Trigonium arcticum* var. *kerquelense* (Grunow in Cleve and Grunow) Desikachary and Sreelatha in Desikachary and Devi 1986. See Desikachary (1989, pl. 797, fig. 5).
- 3 *Trigonium arcticum* var. (?). See Desikachary (1989, pl. 797, fig. 5). Identity uncertain, quite possibly a different variety than specimen in Desikachary (1989).
- 4 *Mastogloia splendida* (Gregory) H. Peragallo 1888. See Stephens and Gibson (1979, figs. 41-46).
- 5-6 *Actinocyclus octonaris* var. *tenellus* (Brébisson) Hendey 1954. See Villareal and Fryxell (1983, p. 453, figs. 1-14).
- 7 *Hydrosilicon mitra* Brun 1891. See Van Heurck (1896, p. 366, fig. 118).
- 8-9 *Campyloneis grevillei* (W. Smith) Grunow 1867. See Van Heurck (1880-1885, pl. 28, figs. 10-11) and also Hendey (1964, pl. 27, figs. 9-11).
- 10 *Grammatophora oceanica* Ehrenberg 1840. See HC 1109 specimen given as *G. subtilissima*. Also John (1983, pl. 18, fig. 6) and Foged (1985, pl. 10, fig. 9).
- 11 *Grammatophora oceanica* var. *subtilissima* (J.W. Bailey) De Toni 1894. See Hustedt (1931, fig. 575) and also Foged (1975, pl. 7, fig. 3).
- 12 *Diploneis cynthia* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 8, fig. 41).
- 13-14 *Diploneis nitescens* (Gregory) Cleve 1894. See Gregory (1857, pl. 9, fig. 16) and Hustedt (1937, fig. 1047).
- 15-16 *Rhabdonema punctatum* (Harvey and Bailey) Stodder 1880. See Desikachary and Prema (1987, pl. 385, fig. 3).

- 17 *Rhabdonema arcuatum* (Lyngbye; Agardh) Kützing 1844. See Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 13, fig. 2).
- 18-19 *Actinocyclus decussatus* Mann 1925. See Mann (1925, pl. 2, figs. 1-2). See also in this volume (pl. 39, figs. 1-2).

Magnifications: figs. 1-3, 5-6, 17-19: x500; all others: x1000

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



17

18

19