

Plate 40. MARINE DIATOMS FROM THE PHILIPPINE ISLANDS

Source of Material

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

HC 1986 - Manila, Philippines. A single specimen given as *Surirella macraeana*, mounted by W.A. Firth. Figs. 30-31.

HC 2032 - Cebu, Philippines. Selected diatoms from shell washings mounted by W.A. Firth. Figs. 32-52.

Plate Forty:

- *30-31 *Surirella macraeana* Greville 1862. See Greville in Williams (1988, pl. 56, fig. 7) and Paddock (1985, pl. 8, fig. 1-3). It is assigned to the *S. fastuosa* complex together with the others shown below.
- *32-34 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. Figs 32 and 34 are the same specimen at different levels of focus.
- *35-36 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843.
- *37 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Paddock (1985, pl. 2, fig. 18 and pl. 7, fig. E-3).
- *38-39 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Paddock (1985, pl. 6, fig. 46 of a specimen from the Philippines, and Paddock (1985, pl. 8, figs. 1-3).
- 40-41 *Grammatophora probata* A. Mann 1925. See A. Mann (1925, p. 79, pl. 16, fig. 7).
- 42 *Plagiogramma* sp. indet. This specimen may be *P. appendiculatum* or *P. occasum* (Witkowski pers. commun., 2012).
- 43 *Plagiogramma decussatum* Greville 1866. See Greville (1866, p. 1, pl. 1, fig. 2) and also Schmidt's Atlas (1874-1959, pl. 209, figs. 28-30) of a specimen from Cebu, Philippines.
- 44 *Plagiogramma costatum* Greville 1863. See Schmidt's Atlas (1874-1959, pl. 209, fig. 5) of a specimen from Cebu, Philippines.
- 45 *Grammatophora undulata* Ehrenberg 1840. See Navarro (1982b, figs. 36-37).
- 46, 48 *Psammodictyon panduriforme* (Gregory) Mann in Round, Crawford and Mann

1990. See Schmidt's Atlas (1874-1959, pl. 331, figs. 19-20), given as *Nitzschia panduriformis*.

47 *Nitzschia jelineckii* Grunow 1863. See Grunow (1863, pl. 14, fig. 4).

49 *Psammodictyon panduriforme* (Gregory) Mann in Round, Crawford and Mann 1990. See Schmidt's Atlas (1874-1959, pl. 331, fig. 21), given as *Nitzschia panduriformis*.

50-51 *Trachyneis aspera* (Ehrenberg) Cleve 1894. See Hendey (1964, pl. 29, fig. 13).

52 *Trachyneis* sp. indet. No figure was found in the literature with such a fine structure and interrupted striae and this may be an undescribed species.

* The huge variation in specimens of *Surirella fastuosa* is well covered in Paddock (1985).

Magnifications: figs. 30-31: x500; fig. 44: x1000; all others: x750

Scale Bar: scale bar is 60 microns for the figures at x500; 30 microns for fig. 44; 40 microns at x750

