

Plate 41. 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 2000 - Manila, Philippines. A single specimen given as *Triceratium latum*, mounted by W.A. Firth. Figs. 53-54.

HC 2032 - Cebu, Philippines. Selected diatoms from shell washings mounted by W.A. Firth. Figs. 55-82.

Plate Forty-one:

- 53-54 *Trigonium subofficinum* Hustedt in Schmidt et al. 1959. See Hustedt in Simonsen (1987, p. 465, pl. 700, figs. 1-2) a specimen from the Bay of Campeche. The latter figures are identical to the figures presented here, representing a specimen named incorrectly as *Trigonium latum*, in a select mount by W. A. Firth from a Manila sample on slide HC 2000. The original drawing in Greville (1865, pl. 9, fig. 20) of *T. latum* is quite different from the HC 2000 specimen.
- 55-56 *Triceratium favus* Ehrenberg 1840. See Foged (1975, pl. 2, fig. 1).
- 57 *Triceratium favus* Ehrenberg 1840. See Desikachary (1989, pl. 769, fig. 8).
- 58 *Triceratium favus* Ehrenberg 1840. See Desikachary (1989, pl. 767, fig. 3).
- 59-60 *Porpeia quadriceps* J.W. Bailey in litt. Ralfs in Pritchard 1861. See Greville (1865, p. 52, pl. 6, figs. 18-19). This species was also recorded by A. Mann (1925, p. 140) from the Philippines.
- 61-62 *Amphora acuta* Gregory 1857. See Schoeman and Archibald (1986, pl. 1, fig. 2-5).
- 63 *Amphora proteus* var. *oculata* Gregory 1857. See Schmidt's Atlas (1874-1959, pl. 27, fig. 45), Peragallo and Peragallo (1897-1908, pl. 44, fig. 22) and Schoeman and Archibald (1986, p. 433, figs. 70-76).
- 64 *Diploneis nitescens* (Gregory) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 7, fig. 28).
- 65 *Diploneis* aff. *cynthia* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 8, fig. 41).
- 66-67 *Navicula (Lyrella) clavata* var. *indica* (Greville) Cleve 1895 (No formal transfer to *Lyrella* can be found for this variety). See Greville in Williams (1988, pl. 45, figs. 4-6).

- 68-69 *Mastogloia angulata* Lewis 1861. See Foged (1975, pl. 12, figs. 2-3 and pl. 13, figs. 1-2).
- 70 *Lyrella impercepta* (Hustedt) Moreno in Moreno, Licea and Santoyo 1996. See Hustedt (1964, fig. 1530) and also Foged (1975, pl. 23, fig. 4), identified as *Navicula impercepta*.
- 71 *Lyrella perplexoides* (Hustedt) Mann in Round, Crawford and Mann 1990. See Hustedt in Simonsen (1987, pl. 736, figs. 6-7), identified as *Navicula perplexiodes* which agrees very well with this figure.
- 72-73 *Diploneis hustedtii* (?) Meister 1935. See Meister (1935, pl. 3, fig. 22).
- 74-75 *Diploneis suborbicularis* (Gregory) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 8, Figs. 3 and 5). See also Hendey (1951, pl. 7, fig. 11).
- 76-77 *Lyrella impercepta* (Hustedt) Moreno in Moreno, Licea and Santoyo 1996. See Hustedt (1964, fig. 1530) and also Foged (1975, pl. 23, fig. 4), identified as *Navicula impercepta*.
- 78-82 *Diploneis nitescens* (Gregory) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 7, fig. 28). Figures 79-80 shown here are of same specimen at different focus.

Magnifications: figs. 53-54: x500; all others: x750

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

