

Plate 13. MARINE DIATOMS FROM THE BAY OF CAMPECHE

Source of Material

Material from the Bay of Campeche marine sediment (“Meerschlamme”), a strew mount by J.D. Möller, slide number HC 3226 held at the National Institute of Water and Atmospheric Research (NIWA), Greta Point, Wellington, New Zealand. Slide HC 1474 (“Campeche Bay”) prepared by M. Harrison, also held at NIWA.

Plate Thirteen:

68 *Surirella fastuosa* var. *cuneata* Deby in Mills 1935. See Desikachary (1989, pl. 723, fig. 7).

69-70 *Surirella fastuosa* (Ehrenberg) Ehrenberg 1843. See Paddock (1985) for variations.

71 *Hemidiscus cuneiformis* Wallich 1860. See Hendeby (1964, pl. 22, fig. 9).

72 *Tryblionella jelineckii* (Grunow) Mann in Round, Crawford and Mann 1990. See Grunow (1863, pl. 14, fig. 4) and Hendeby (1958, pl. 1, fig. 4), given as *Nitzschia jelineckii*.

73 *Nitzschia punctata* var. *coarctata* (Grunow) Hustedt 1921. See Peragallo and Peragallo (1897-1908, pl. 69, fig. 26).

74 *Biddulphia spinosa* (J.W. Bailey) Boyer 1900. See Brightwell (1856, pl. 17, fig. 9) given as *T. armatum* Roper. See also Desikachary (1989, pl. 792, figs. 4-5). *B. spinosa* is taxonomic synonym to *Triceratium spinosum*.

75 *Lyrella approximata* (Greville) Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1490a), given as *Navicula approximata*.

76 *Lyrella hennedyi* (W. Smith) Stickle and Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1516b), given as *Navicula hennedyi*. See also in this volume (pl. 10, fig. 17).

77 *Lyrella praetexta* (Ehrenberg) Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1488b) and Hendeby (1964, pl. 33, fig. 1), given as *Navicula praetexta*.

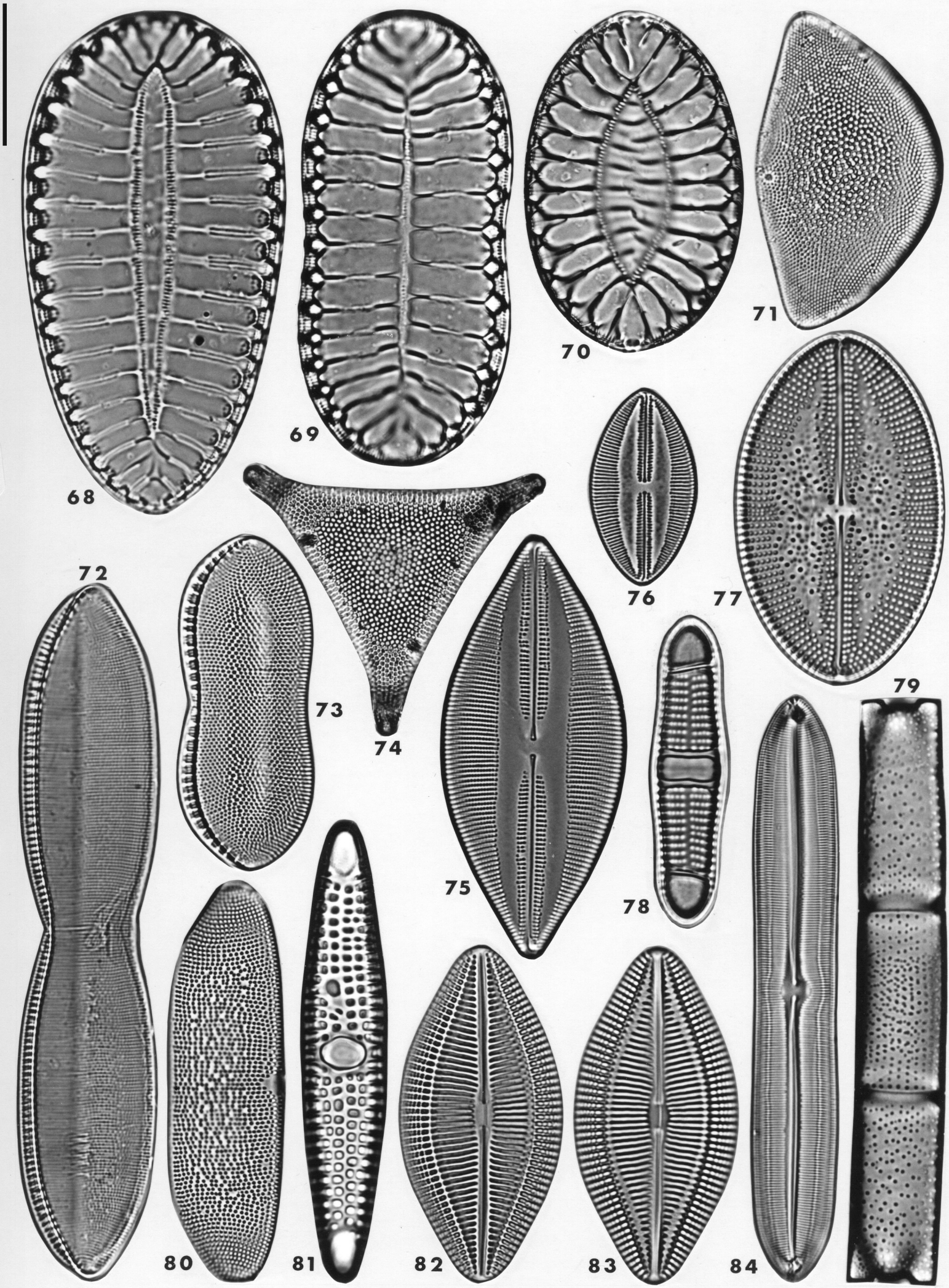
78 *Plagiogramma validum* Greville 1859. See Schmidt's Atlas (1874-1959, pl. 209, figs. 57-58).

79 *Triceratium trinitus* (?) Brun in Schmidt et al. 1891. See Schmidt's Atlas (1874-1959, pl. 372, fig. 1a). A provisional identification only. Identification is very doubtful as no specimen in valve view could be found

- 80 *Navicula (Parlibellus?) gründeri* (Cleve and Grunow in Cleve) Cleve 1895. See Schmidt's Atlas (1874-1959, pl. 370, fig. 2). This valve is tilted by 90° with the raphe on the right. Central area and especially dichotomous row of puncta match *N. gründeri* in Hustedt (1927-1966, fig. 1733). This species likely belongs to the genus *Parlibellus*, but has not yet been transferred.
- 81 *Plagiogramma tessellatum* Greville 1859. See Schmidt's Atlas (1874-1959, pl. 209, figs. 44, 48-49).
- 82-83 *Diploneis nitescens* (Gregory) Cleve 1894. See Hustedt (1937, fig. 1047).
- 84 *Caloneis probabilis* (Schmidt in Schmidt et al.) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 50, fig. 46).

Magnifications: fig. 84: x750; all others: x1000.

Scale Bar: scale bar is 40 microns for fig. 84; 30 microns for all figures at x1000



68

69

70

71

72

76

77

73

74

79

75

78

80

81

82

83

84