

Plate 39. MARINE DIATOMS FROM THE PHILIPPINE ISLANDS

Source of Material

This slide is held in the Healey Collection at the National Institute for Water and Atmospheric Research (NIWA), Greta Point, Wellington, N.Z.

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

Plate Thirty-nine:

- 1-2 *Actinocyclus decussatus* A. Mann 1925. See A. Mann (1925, pl. 2, figs 1-2). The figures represent a specimen given as *A. moniliformis* on W. A. Firth's slide HC 1989 from Paama Island.
- 3-4 *Actinocyclus octonarius* var. *tenellus* (Brébisson) Hendey 1954. See Villareal and Fryxell (1983, p. 453, figs. 1-14). According to W.A. Firth, slide HC 2018 from the New Hebrides, represent *A. pruinosus* Castracane.
- 5-6 *Actinocyclus octonarius* var. *tenellus* (Brébisson) Hendey 1954. See Villareal and Fryxell (1983, figs 1-14).
- 7-8 *Actinoptychus speciosus* Meister 1935. See Meister (1935, p. 91, pl. 2, figs. 11-12) of a specimen from Honduras.
- 9-12 *Stictodiscus manilensis* (non *S. californicus* Greville). See slide HC-805, no further data available. The slide HC-805 in the Healey Collection is labeled: 0805 *Stictodiscus manilensis*, select R.M., Manila. This is an orthographically incorrect derivation from the geographic name Manila. VanLandingham (1978, p. 3780) cites *S. manilensis* as *S. californicus* but slide HC-805 definitely does not contain that species. *S. manilensis* is therefore to be considered a "manuscript name" without formal status. The specimen shown appears to be compatible with *Psammodiscus nitidus* (Gregory) Round and Mann 1980.
- 13-14 *Cyclotella baltica* (Grunow) Håkansson 2002. See Håkansson (2002, p. 104, fig. 373).
- 15-17 *Cestodiscus denarius* (Schmidt) Strelnikova and Fourtanier in Strelnikova, Fourtanier, Kociolek and Barron 2001. Same specimen at high, low and mid focus. Specimens are in close agreement with Schmidt's Atlas (1874-1959, pl. 57, fig. 22) of a specimen from the Bay of Campeche given as *Coscinodiscus denarius*. See also Strelnikova, Fourtanier, Strelnikova, Kociolek, and Barron (2001, p. 84, figs. 73-83).
- 18-19 *Thalassiosira* sp. indet. Same specimen at different focus. Looks similar to *T. eccentrica*, however identity is uncertain and may require SEM to properly identify.

- 20-21 *Thalassiosira* sp. indet. Same specimen at different focus. Identity is uncertain and may require SEM to properly identify.
- 22-23 *Thalassiosira* sp. indet. Same specimen at different focus. Identity is uncertain and may require SEM to properly identify. Specimen appears similar to *Actinocyclus normanii* (Gregory in Greville) Hustedt, however pseudonodulus was not present.
- 24-25 *Coscinodiscus obscurus* Schmidt in Schmidt et al. 1878. Appears to be a good match for Schmidt's Atlas (1874-1959, pl. 61, figs. 17-18). See also Cleve-Euler (1951, fig. 99a).
- 26-27 *Coscinodiscus cinctus* Kützing 1844. See Hustedt (1928, fig. 197).
- 28-29 *Ehrenbergiulva granulosa* (formerly *Coscinodiscus granulatus*) (Grunow in Cleve and Grunow) Witkowski, Lange-Bertalot and Metzeltin in Witkowski and Lange-Bertalot 2004. See Witkowski, Lange-Bertalot and Metzeltin (2000, pl. 2, fig. 12-18).

All magnifications: all figures: x750

Scale Bar: scale bar is 40 microns for all figures

