

## Plate 15. MARINE DIATOMS FROM THE CAPE VERDE ISLANDS

### Source of Material

Material from the Cape Verde Islands, northwest coast of Sao Vicente (16° 54' N; 25° 02' W) on calcareous algae, Bryozoans. Depth was 35-40 meters. Sample taken with a 1.2 meter Agassiz trawl. Date: June 21<sup>st</sup>, 1982.

The above description was received with the sample from Hans van den Heuvel, Leiden on March 17<sup>th</sup>, 1988.

### Plate Fifteen:

- 26-29 *Psammodiscus nitidus* (Gregory) Round and Mann 1980.
- 30 *Rhaphoneis* sp. indet.
- 31 *Azpeitia neocrenulata* (VanLandingham) G. Fryxell and T.P. Watkins in Fryxell, Sims, and Watkins 1986. See Fryxell, Sims, and Watkins (1986, p. 13, fig. XXX, 2a-b).
- 32 *Coscinodiscus hauckii* var. *mesoleia* (Cleve) Hustedt 1928 . See Hustedt (1928, fig. 200b). See also in this volume (pl. 34, fig. 98) taken with 90x oil objective to properly show the puncta formation. *Coscinodiscus hauckii* was transferred to the genus *Ehrenburgiulva* by Witkowski, Lange-Bertalot, and Metzeltin in Witkowski and Lange-Bertalot (2004), but this variety has yet to be transferred.
- 33 *Roperia tessellata* (Roper) Grunow in Pelletan 1889. See Foged (1975, pl. 6, fig. 5) and also Hendey (1964, pl. 22, fig. 3).
- 34 *Stictodiscus californicus* var. *nankoorensis* Grunow 1867. See Schmidt's Atlas (1874-1959, pl. 74, fig. 3).
- 35-36 *Cyclostephanos dubius* (Hustedt) Round in Theriot et al. 1987. See Hickel and Hakansson (1987, p. 39, figs. 15-16).
- 37-38 *Diploneis coffaeiformis* (Schmidt) Cleve 1894. See Hustedt (1937, fig. 1025), given as *Navicula coffaeiformis*.
- 39 *Fallacia forcipata* (Greville) Stickle and Mann in Round, Crawford and Mann 1990. See Van Heurck (1896, pl. 4, fig. 163), given as *Navicula forcipata*.
- 40-41 *Lyrella hennedyi* (W. Smith) Stickle and Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1516), given as *Navicula hennedyi*.
- 42-43 *Lyrella impercepta* (Hustedt) Moreno in Moreno, Licea and Santoyo 1996.

See Hustedt (1964, fig. 1530), given as *Navicula impercepta*. See also Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 99, fig. 3).

- 44 *Cocconeis scutellum* Ehrenberg 1838. See Schmidt's Atlas (1874-1959, pl. 190, fig. 10) also Hendey (1964, pl. 27, fig. 8).
- 45 *Cocconeis pinnata* Gregory in Greville 1859. See Schmidt's Atlas (1874-1959, pl. 190, fig. 4) and Foged (1975, pl. 11, fig. 16).
- 46 *Cocconeis* sp. indet. This specimen is a good match for Schmidt's Atlas (1874-1959, pl. 190, fig. 11), where identification is uncertain.
- 47 *Rhaphoneis amphiceros* (?) (Ehrenberg) Ehrenberg 1844. See Foged (1987, pl. 5, fig. 8). Very irregular striation suggests an abnormal form.
- 48 *Cocconeis pseudomarginata* (?) Gregory 1857. This matches the figures so identified in Schmidt's Atlas (1874-1959, pl. 194, fig. 20). See also John (1983, pl. 35, fig. 6), but identification not certain.
- 49-50 *Mastogloia jelineckiana* Grunow 1867. See Schmidt's Atlas (1874-1959, pl. 187, fig. 49) and also Hustedt (1933, fig. 977).
- 51 *Nitzschia corpulenta* Hendey 1958. See Hendey (1958, p. 78, pl. 1, fig. 5); also Archibald (1983, pl. 19, figs. 367-371).
- 52 *Glyphodesmis tumida* Boyer 1920. Boyer (1920, p. 68, pl. 2, fig. 2).
- 53 *Dimeregramma marinum* (Gregory) Ralfs in Pritchard 1861. See Foged (1984, pl. 26, fig. 11).
- 54 *Cocconeis apiculata* (Greville) Schmidt in Schmidt et al. 1895. See Schmidt's Atlas, (1874-1959, pl. 198, fig. 37); also Desikachary and Prema (1987, pl. 299, fig. 5).
- 55 *Cymbella turgidula* Grunow in Schmidt et al. 1875. See Krammer and Lange-Bertalot (1985, pl. 6, fig. 4).
- 56 *Cymbella tumida* (Brébisson in Kützing) Van Heurck 1880. See Germain (1981, pl. 106, fig. 2).
- 57 *Navicula digitoradiata* (Gregory) Ralfs in Pritchard 1861. See Krammer and Lange-Bertalot (1985, pl. 22, fig. 17).
- 58 *Pinnularia bistriata* (Leuduger-Fortmorel) Cleve 1895. See Foged (1984 pl. 51, fig. 1).
- 59-60 *Lyrella* sp. indet. Fig. 59 is oblique brightfield illumination.

- 61 *Amphora ostrearia* Brébisson in Kützing 1849. See Peragallo and Peragallo (1897-1908, pl. 49, fig. 14), given as *A. ostrearia* var. *vitrea*. See also John (1983, pl. 62, fig. 10).
- 62-63 *Auricula amphitritis* Castracane 1873. See Peragallo and Peragallo (1897-1908, pl. 42, figs. 6-7).
- 64-65 *Diploneis vacillans* (Schmidt in Schmidt et al.) Cleve 1894. See Hustedt (1937, fig. 1060b) and Witkowski, Lange-Bertalot, and Metzeltin (2000, pl. 91, fig. 10).
- 66-67 *Diploneis mediterranea* (Grunow in Schmidt et al.) Cleve 1894. See Hustedt (1937, fig. 1014a).
- 68 *Rhopalodia vermicularis* O. Müller 1895. See Schmidt's Atlas (1874-1959, pl. 265, fig. 7).

Magnifications: figs. 62-63: x750; all others x1000

Scale Bar: scale bar is 40 microns for the figures shown at x750; 30 microns at x1000

