

Plate 17. MARINE DIATOMS FROM THE CAPE VERDE ISLANDS

Source of Material

Material from the Cape Verde Islands, northwest coast of Sao Vincente (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 21st, 1982.

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

Plate Seventeen:

- 96 *Biddulphia tuomeyi* (J.W. Bailey) Roper 1859. See Schmidt's Atlas (1874-1959, pl. 118, fig. 4).
- 97 *Actinoptychus senarius* (Ehrenberg) Ehrenberg 1843. See Hendey (1964, pl. 23, fig. 2).
- 98 *Coscinodiscus hauckii* var. *mesoleia* (Cleve) Hustedt 1928. See Hustedt (1928, fig. 200b). See also an enlargement in this volume (pl. 32, fig. 32) showing details.
- 99 *Diploneis bomboides* (Schmidt) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 13, fig. 36).
- 100 *Diploneis bombus* (Ehrenberg) Cleve-Euler in Backman and Cleve-Euler Backman 1922. See Hendey (1951, p. 58, pl. 8, fig. 7).
- 101 *Diploneis suspecta* (A. Schmidt) Hendey 1958. See Schmidt's Atlas (1874-1959, pl. 11, figs. 12-13 and figs. 26-27); also Hendey (1958, p. 70, pl. 5, fig. 10).
- 102 *Diploneis* sp. indet.
- 103 *Diploneis vacillans* (Schmidt in Schmidt et al.) Cleve 1894. See Foged (1978, pl. 24, fig. 9) given as *D. vacillans* var. *renitens*, and also this volume (pl. 31, fig. 11).
- 104 *Diploneis* sp. indet.
- 105 *Diploneis* sp. indet.
- 106-08 *Diploneis mediterranea* (Grunow in Schmidt et al.) Cleve 1894. See Hustedt (1937, fig. 1014a).
- 109-10 *Amphora* aff. *egregia* Ehrenberg 1861. See Schoeman, Archibald and Sims (1986, p.14, pl. 2, figs. 8-9).

- 111 *Amphora grevilleana* (?) Gregory 1857. This shows a resemblance to Schmidt's Atlas (1874-1959, pl. 25, fig. 45), but identification is uncertain.
- 112 *Amphora gründleri* Grunow in Schmidt et al. 1875. See Schmidt's Atlas (1874-1959, pl. 28, fig. 26).
- 113 *Rhopalodia contorta* Hustedt 1937. Specimen is a good match for Simonsen (1987, pl. 352, fig. 1 and 4).
- 114 *Amphora coffeaeformis* (Agardh) Kützing 1844. See Archibald and Schoeman (1983, figs. 1-24).
- 115 *Amphora* sp. indet.
- 116 *Amphora* sp. indet. Foged (1987, pl. 24, fig. 8) describes a very similar specimen, identified as *A. crassa*, but Gregory's (1857, pl. 1, fig. 35) specimen of *A. crassa* is quite different. Figures in the literature of mooted *A. crassa* show such major differences that they cannot belong to the same species.
- 117 *Amphora bigibba* var. *interrupta* (Grunow in Schmidt et al.) Cleve 1895. See Schmidt's Atlas (1874-1959, pl. 25, fig. 65) given as *A. binodis* var. *interrupta*; see also Ricard (1977, pl. 6, fig. 16).
- 118 *Amphora bigibba* Grunow in Schmidt et al. 1875, a frustule. See Schmidt's Atlas (1874-1959, pl. 25, fig. 73).
- 119 *Seminavis* sp. indet. This will be taxonomically dealt with in the future (A. Witkowski pers. comm., 2012).
- 120 *Seminavis* sp. indet.
- 121 *Amphora* sp. indet. See Marine Diatoms from the Azores (in this volume, pl. 2, fig. 56). Possibly a detached segment of *A. crassa*. See Gregory (1857, pl. 14, fig. 94c).
- 122 *Amphora obtusa* Gregory 1857. See Gregory (1857, p. 72, pl. 1, fig. 34) and Schmidt's Atlas (1874-1959, pl. 40, figs. 6, 16-17). Although the identification of this specimen is doubtful and the specimen is not well resolved, it appears identical to specimen collected from the Azores (in this volume, pl. 2, fig. 44) where it is given as *A. bistriata* in Peragallo and Peragallo (1897-1908, pl. 49, fig. 3).
- 123 *Amphora spectabilis* Gregory 1857. See Hendey (1964, pl. 38, fig. 8); also Ricard (1977, pl. 6, fig. 11) and Schoeman and Archibald (1987, pl. 5, figs. 19-20).
- 124 *Amphora* aff. *egregia* Ehrenberg 1861. See Schoeman, Archibald and Sims (1986, pl. 2, fig. 8).

- 125 *Amphora cingulata* Cleve in A. Schmidt et al. 1875. See Peragallo and Peragallo (1897-1908, pl. 49, fig. 6).
- 126 *Amphora* sp. indet.
- 127 *Amphora obtusa* Gregory 1857. See Ricard (1977, pl. 6, fig. 10), Schoeman and Archibald (1986, p. 126, pl. 2, figs. 5-6), and also Peragallo and Peragallo (1897-1908, pl. 48, fig. 4) given as *A. obtusa* var. *oceanica*.
- 128 *Grammatophora oceanica* var. *macilenta* (W. Smith) Grunow 1862. See John (1983, pl. 18, figs. 2, 7) and Foged (1985, pl. 3, fig. 11).
- 129 *Grammatophora* sp. indet.
- 130 *Nitzschia jelineckii* Grunow 1863. See Grunow (1863, pl. 14, fig. 4) and Hendey (1958, pl. 1, fig. 4).

Magnifications: fig. 98: x2000; all others: x1000

Scale Bar: scale bar is 15 microns for fig. 98; 30 microns for all figures at x1000

