

Amphora costata W. Sm.

W. Sm. Brit. Diat., Pl. 30, fig. 253.

It is doubtful if this can be united with *A. Erbi* Ehr., as De Toni proposes, that species being practically a *nomen nudum*. Found only in a dredging made at Station 23.

Amphora crassa Greg.

Sch. Atlas, Pl. 28, figs. 31-33.

The type form was found only at Stations 43b and 43c and was scarce; but the variety called *punctata* by Grunow was more abundant, occurring plentifully at Stations 20b-c, 27s, 43a and 43b.

Amphora cymbifera Greg.

Sch. Atlas, Pl. 25, figs. 17-19, 32-34, 36.

Found in dredgings made at Stations 23, 27s, 41, 43b, and the coarse form shown in figure 19 above at Station 41c.

Amphora egregia A. Sch.

Sch. Atlas, Pl. 28, figs. 13-15; Pl. 39, figs. 26, 31, unnamed.

Found only in one dredging, Station 23.

Amphora excludens Mann, sp. nov.

Pl. I, fig. 3; also Sch. Atlas Pl. 25, fig. 12, unnamed.

Valve very narrow, its ventral edge nearly straight but slightly incurved at the ends, its dorsal edge not arcuate but half-rhombic, the margin running nearly straight from the widest point at the middle to the pointed apices, these however curved ventrally like the beak of a bird; markings on dorsal side a narrow band of closely set rows of beading, decreasing in width to the apices, the rows radially inclined; on the ventral side a much narrower band of unbeaded costae, reverse-radially inclined; rhabd straight, near the ventral side, bisecting a wide median hyaline space, the outer ends of the rhabd curving with the beak-like apices.

Length 0.146 mm.; width 0.018 mm.; 7.7 lines on the dorsal and 8.5 on the ventral side in 0.04 mm.

This delicate species, with its dissimilar markings on the dorsal and ventral sides, is less angular in Schmidt's illustration than in the one made for this report; the position of the rhabd also is slightly different. Found only in a dredging made at Station 41, a single specimen.

Amphora Eulensteinii Grun.

Sch. Atlas, Pl. 25, figs. 1-3.

Cleve in Nav. Diat., II, p. 135, includes this under *A. angusta* Greg., an unsatisfactory change. Found at Stations 23 and 43c.

Amphora Gourdonii Perag.

Perag. Antarc. Exp. France, Pl. 2, fig. 23.

Several specimens of this somewhat doubtful species were found at Station 43a.

Amphora laevis Greg.

Greg. Diat. Clyde, Pl. 12, fig. 72; Sch. Atlas, Pl. 26, figs. 3, 13.

Hardly to be united with *A. laevis* Greg., as is done by Cleve in Nav. Diat., II, p. 130. Found in one dredging, that made at Station 43b.

Amphora mexicana A. Sch.

Sch. Atlas, Pl. 27, fig. 47, also fig. 14, no name.

The above figure 44 from Spitsbergen should be included here. Found in dredging from Stations 43a, 43b, 43c and 43g.

Amphora obtusa Greg.

Sch. Atlas, Pl. 40, figs. 4-7, 14, 16-17.

R. abundant in the dredging made at Station 41.