

***Hyalodiscus scoticus* (Kütz.) Grun.**

Van Heurck Syn., Pl. 84, figs. 15-18; Sch. Diat., Nordsee, Pl. 3, fig. 27, misnamed.

Found at Stations 20b-c, 20g, 41, 43b and 43c, abundant.

***Hyalodiscus subtilis* Bail.**

Bail. New Spec., Pl. 4, fig. 12; Prit. Inf., Pl. 5, fig. 60, good figure.

Found at Stations 42b and 43a, scarce in both.

Licmophora* Ag.**Licmophora Lyngbyei* (Kütz.) Grun.**

Van Heurck Syn., Pl. 47, fig. 15.

The specimens were all the unimportant variety called var. *Pappana* Grun. in the above reference. Although the markings are coarse they are shallow and therefore obscure. Found in plankton haul made at Station 43f.

***Licmophora tenuis* (Kütz.) Grun.**

Van Heurck Syn., Pl. 48, fig. 21; W. Sm. Brit. Diat., Pl. 24, fig. 229, misnamed.

Found in plankton haul made at Station 50b.

Mastoglola* Thwaites.**Mastoglola Braunii* Grun.**

Van Heurck Syn., Pl. 4, figs. 24-24.

Found only at Station 20b-c and there scarce.

***Mastoglola Grevillei* W. Sm.**

Van Heurck Syn., Pl. 4, fig. 20 (compare fig. 18).

M. Grevillei is a fresh-water species; this and the similarity or identity which some forms show with *M. Dansii* Thw., a brackish and marine species, suggests the specimens found may belong to the latter. In a plankton haul from Station 24d-f.

Melosira* Ag.**Melosira granulata* (Ehr.) Ralfs.**

Sch. Atlas, Pl. 181, figs. 57-65.

Rather plentiful at Station 99.

***Melosira Herlbaudii* Brun.**

Sch. Atlas, Pl. 182, fig. 23.

Very abundant in dredging from Station 43b.

***Melosira hyperborea* Grun.**

Van Heurck Syn., Pl. 85, figs. 3-4; Gran Nord Plankt., p. 13, fig. 1.

Found in three plankton hauls, from Stations 42b-c, 20a and 40d.

***Melosira Jurgensii* Ag.**

Sch. Atlas, Pl. 182, figs. 16, 27-31.

Found at Stations 20b-c, 41, 43a and 43c.

***Melosira nummuloides* (Bory) Ag.**

Sch. Atlas, Pl. 182, figs. 1-2; Van Heurck Syn., Pl. 85, fig. 1.

Found in one dredging, from Station 43c, and in three plankton hauls, Stations 20a, 40d and 46b.

***Melosira sulcata* (Ehr.) Kütz.**

Van Heurck Syn., Pl. 94, figs. 45-48, 22-24.

Placed by many authors in a separate genus, *Paralia*. Found at Stations 20b-c, 20g, 23 and 43a.