

Closterium rostratum Ehrenb.

Although this species is more northern than *C. setaceum*, it was found in small numbers. It occurred only in the *Hippuris* swamp at Herschel island.

Closterium setaceum Ehrenb.

This plant is much rarer than the preceding species, especially in arctic and subarctic areas, yet it was more plentiful in proportion to the numbers of other species. It was found in a collection of bottom deposits and plankton from the lake and from the pond between the lake and sea at Teller.

Closterium striolatum Ehrenb.

This is a very common species and is well known from almost all parts of the earth. It occurred in the lake, brackish pond, and tundra ponds at Teller, and in the *Hippuris* swamp at Herschel island.

Closterium Venus Kütz.

This species was not in great abundance in any one locality, although fairly common in two ponds at Teller. It was also found at Chantry island, Herschel island, and at Bernard harbour.

Pleurotaenium Näg.**Pleurotaenium Trabecula** (Ehr.) Näg. forma **clavata** (Kütz.) W. & G. S. West (Plate III, fig. 16)

The type form of this species has been found in Greenland and in a few other arctic localities, but the form *clavata* has only been previously recorded from a few localities in France, Germany, Italy, Sweden, the British Isles and the United States. Three individuals of this form were found in material from a drying tundra pond at Demarcation point, May 14, 1914.

Pleurotaenium truncatum (Bréb.) Näg.

This species was found only in the lagoon lake at Teller, where it was not uncommon.

Euastrum Ehrenb.**Euastrum ansatum** Ralfs

This species occurred in the lagoon lake at Teller, and in the swamp at Herschel island. At both localities it was fairly common.

Euastrum bidentatum Näg.

This species was the most common of the genus and was found in the lagoon lake, a tundra pond, and in a pond between the lake and sea at Teller, also at Demarcation point, Herschel island, and in the lake at Bernard harbour.

Euastrum binale (Turp.) Ehrenb.

The type form occurred in small numbers at Camden bay, in the tundra pond and the pond between the lake and sea at Teller, and at Herschel island.

Euastrum binale (Turp.) Ehr. forma **Gutwinskii** Schm. (Plate III, fig. 13)

This occurred along with the type form in the tundra pond at Teller.

Euastrum denticulatum (Kirchn.) Gay

This species was found only in one locality, Teller, and was not very abundant.