

**Selenastrum** Reinsch.**Selenastrum acuminatum** Lagerh.

(Plate III, fig. 3)

This species occurred only in a collection of bottom deposits and plankton from Teller, August 6, 1913.

**Scenedesmus** Meyen.**Scenedesmus denticulatus** Lagerh.

This species was the rarest of the genus. It was found only in small quantity in the bottom deposit collections from the lake at Teller.

**Scenedesmus obliquus** (Turp.) Kütz.

This species, although not common, occurred in more localities than the preceding species. It occurred in the lagoon lake at Teller, in the plankton at Bernard harbour, and in the *Hippuris* swamp at Herschel island. The *Dactylococcus* stage was found with the *Ophrydium* mass at Bernard harbour.

**Scenedesmus quadricauda** (Turp.) Bréb.

This alga was very common in the collections from Teller. It was found in smaller quantities at Bernard harbour, Demarcation point, and Herschel island.

**Crucigenia** Morren.**Crucigenia rectangularis** (Näg.) Gay

This species occurred only in the plankton of the big lake at Bernard harbour. The cells were a little below average size, being  $3.5\mu$  to  $5\mu$  by  $4\mu$  to  $6\mu$ . The colonies usually contained 8 or 16 cells.

**Crucigenia** sp?

In the collections from Bernard harbour with *C. rectangularis* were seen a few colonies of 4 and 8 cells of a species about one-half the size of *C. rectangularis*, i.e., 2 to  $2.5\mu$  by  $2.5\mu$  to  $3\mu$ . The cells were badly collapsed. This condition was probably caused by the alcohol in which they were preserved. I could not therefore determine the species with accuracy. It resembled *C. rectangularis* in general appearance and is probably a small variety of that species; but to make sure of its exact systematic position material in a better state of preservation would be required.

**Coelastrum** Näg.**Coelastrum microporum** Näg.

This species occurred in two localities only and was not very plentiful in either of them. It was found in the plankton at Bernard harbour (September 26, 1916) and in the *Hippuris* swamp at Herschel island.

**Coelastrum reticulatum** (Dang.) Senn.

Three individuals of this peculiar species of *Coelastrum* were found in material at Herschel island in the *Hippuris* swamp. It is not a common alga in North America. It has been recorded from Put-in-Bay, Lake Erie (Snow), and I have recently found it in Manitoba and Ontario. It is not generally found in arctic regions.