

Cosmarium granatum Bréb.

This desmid was almost as plentiful as *C. Botrytis* and was found in almost as many localities. It was found in the brackish pond as well as in the freshwater pond at Teller, and also occurred at Collinson point and Demareation point, and at Bernard harbour.

Cosmarium Hammeri Reinsch

This species has world-wide distribution and is as frequent in the arctic as in the tropics. It only appeared in the collections from the big lake at Bernard harbour where it was fairly plentiful. The size of all specimens was a little below the average.

Cosmarium Holmiense Lund. var. **integrum** Lund.

This variety is well distributed in northern waters. It was found in collections from the big pond at Bernard harbour and in a pond in the second bay east of Bernard harbour. All specimens were characteristic of the variety.

Cosmarium humile (Gay) Nordst. var. **striatum** (Nordst.) Schmidle
(Plate III, fig. 11)

This small desmid has not been previously recorded from the arctic regions of America. It was found by the expedition in two localities, at Teller, where it was found in the brackish pond as well as in the freshwater pond, and at Bernard harbour, amongst stones and other algae in the river bed.

Cosmarium impressulum Elfv.

This is a widely distributed species and fairly common in the arctic. It was found in the lake at Teller, and in the lake at Bernard harbour. At the latter place it was found with other algae in summer collections, also once in plankton taken under the ice in winter, February 28, 1916.

Cosmarium inconspicuum W. and G. S. West (Plate III, fig. 19)

This is one of the rarest desmids collected by the expedition. Only four individuals were seen from a pond in the second bay east of Bernard harbour, June 16, 1915. This species has only been previously recorded from Great Britain and Ireland.

Cosmarium margaritatum (Lund.) Roy and Biss.

This is a generally distributed species much resembling *C. conspersum*. The punctulations between the granules, which distinguish it from *C. conspersum*, were well marked. It occurred at Teller and at Herschel island, along with other desmids. It was fairly numerous.

Cosmarium ochthodes Nordst.

This species was found in two collections from the big lake at Bernard harbour, but was not abundant. It was more common at Herschel island. Here, some of the granulations were irregular as in var. *amoebum* W. West, but otherwise they were typical of the specific type.

Cosmarium Pokornyanum (Grun.) W. & G. S. West

This small desmid was only found in the collection from the pond in the second bay east of Bernard harbour. However, it was not very scarce. It varied in size, being from 20-35 μ in length and 12-18 μ in breadth.