

Mosses of the Canadian Arctic Expedition, 1913-1918.

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The following list enumerates 68 species of the true mosses. The genus most largely represented is *Drepanocladus* with 14 species, all sterile; next come *Bryum* with 9 species, 5 of which are fruiting; all the other genera, 33 in number, are represented by 1 or 2 species except *Dicranum* of which there are 3, one of which *C. elongatum* is in fruit, and *Stereodon* which contains 4 species.

The greatest number of species (7) separated out from one collection and growing more or less intimately associated, were obtained from a piece of sod, some 4 by 6 inches on the upper surface, cut out from the tundra on Barter island on the coast of arctic Alaska. These seven species, all sterile and mentioned in the order of their abundance, the commonest first, are as follows: *Caloscopium nigratum*, *Swartzia montana*, *Drepanocladus brevifolius*, *Bryum neodamense*, *Chrysophyllum stellatum*, *Eucalypta brevicornis*, and *Drepanocladus scorpioides*. From a small collection made on Sadlerochit over about twenty-five miles inland from Camden bay, Alaska, the following were separated out: *Bryum pallens*, *Leptobryum pyriferum*, *Mnium affine*, *Drepanocladus adnatus* and *Lophidium rugosum* the *Bryum* and *Leptobryum* bearing fruit.

The specimens are sterile unless otherwise stated. One species, *Bryum neodamense*, found in Europe, from the Pyrenees to the arctic coast, does not seem to have been credited before to America. Another, *Drepanocladus brevifolius*, has only been noted from Greenland, while two others are described as new.

The region collected over extends from about latitude 65° to 70° 35' N., and from the northern Alaska coast eastward to about longitude 110° W., and unless otherwise noted the specimens were collected by Mr. F. Jørgensen.

CLASS MUSCI

Subclass PHAGNATES

Family Sphagnaceae

Genus *Sphagnum* (Dill.) Ehrh.

Sphagnum subsecuncum Nees.

Tundra pond at Teller, 25 mi. Charence, Alaska, Aug. 6, 1913.

Sphagnum fuscum, (Sch.) H. Klinggr.

High tundra swamp on Herschel island, Yukon Territory, July 31, 1916

Subclass BRYALES

Tribe ACROCARPI.

Family DITRICHACEAE.

Genus *Swartzia* Ehrh.; Hedw.

Swartzia montana (Lam.) Lindb.

On cliffs on "Ptarmigan creek," Sadlerochit river, Alaska, Nov. 13, 1913. Tundra on Barter island, Alaska, summer 1918, J. Hadley; fruiting. Tundra at Bernard harbour, Northwest Territories, June, 1916. On dolomite cliffs Murray point, Victoria island, Northwest Territories, March 25, 1916.