

In the railway ditch at Hector, western slope of Rocky Mountains, B.C., altitude 5,200 feet, August 4th, 1904. No. 265a.

68. *BRYUM ALPINIFORME*, KINDB.

Cat. Can. Plants, p.271.

Hitherto found only in a sterile state. Capsule sometimes asymmetric; cilia appendiculate; spores 0.01 mm. Stem 4-5 cm. high.

In the railway ditch at Hector, with the preceding species, on same date. No. 274 in part.

69. *BRYUM SUBOBTUSIFOLIUM*, C. MUELLER, MUSCI
TSCHUCHTSCHICI.

Differs from *B. obtusifolium*, Lindb, leaves less loosely disposed, shorter-decurrent and often limbate. Sterile. The tufts are 7 cm. high.

On Southampton Island, Hudson Bay, August 9th, 1904. Coll. Commander A. P. Low. No. 337. New to America.

70. *BRYUM* (WEBERA) SUBCUCULLATUM, C. M. & KINDB.

Cat. Can. Plants, p.113.

It seems to be a good species, when the inflorescence is parœcious. It was regarded by me (in Eur. and N. Amer. Bryineæ) as a subspecies of *B. commutatum*.

Collected on the "Saddle" above Lake Louise, eastern slope of Rocky Mountains, altitude 7,300 feet, July 20th, 1904. No. 77.

71. *BRYUM AURIMONTANUM*.

Nearly allied to *Bryum arcticum* in peristome, spores and synœcious inflorescence.

Differs from it: Leaves shorter, subovate, dentate near apex, yellowish (not red-) limbate; capsule less narrowed to the mouth.

On earth at Dawson City, Yukon, July 14th, 1902. No. 163.

72. *BRYUM SUBMICANS*.

Allied to *Bryum arcticum*; but capsules are less narrowed to the mouth; leaves yellowish-limbate.

Differs from *Bryum micans*, Limpr. Capsule longer, oval-oblong (not subglobose). Leaves longer, broadly (not narrowly) limbate, the upper with long-excurrent costa. Pedicel of capsule longer, 3-4 cm.

Inflorescence and spores as in *B. micans* and not *B. arcticum*.

In peat bogs along Bonanza Creek, Yukon, July 18th, 1902. Coll. John Macoun. No. 173 in part.