

Fruiting on stones in a brook at Laggan, eastern slope of Rocky Mountains, Alta. Altitude 5,200 feet. June 27th, 1904. No. 152 in part.

11. EURHYNCHIUM GLACIALE * INFRAALPINUM.

Differs. All leaves serrate, less crowded and longer-decurrent. Stem-leaves longer-costate. Perichetial leaves deflexed. Pedicel of capsule very rough. Leaves small. Capsule not seen.

Cape Breton Island, at the base of trees, 1898.

12. EURHYNCHIUM TRACHYPODIUM (FUNCK.) KINDB.

Collected on rocks on Yoho Pass, western slope of Rocky Mountains, B.C. Altitude 5,500 feet. September 2nd, 1904. No. 230.

13. BRACHYTHECIUM PSEUDO-CHLOROPTERUM.

Leaves long-decurrent, recurved below to the middle, serrulate all around, nearly gradually tapering from a subovate base to a rather longish acumen, not or indistinctly striate, nearly crowded *not mamilllose at the back*, suberect when dry; cells small, nearly all rhombic-rhomboidal (as in *Amblystegium*); alar cells large, short subrectangular-quadrate finally *rufoescent*; costa subpercurrent or sometimes *short-excurrent*. Tufts loose, decolorate with green branch-tips. Stem sparingly branching, 6-8 cm. high, radiculose at the base, beset below with minute leaves. Dioecious. Capsules not seen.

Resembles in habit *Eurhynchium chloropterum*, C. M. and Kindb., also in the serrulate and punctulate, not large leaves. It has rather the characters of *Brachythecium* than *Eurhynchium* but definite limits between these "genera" are not existing.

In wet ground in the valley of Pipestone Creek, eastern slope of Rocky Mountains, Alta., July 8th, 1904, altitude 6,000 feet. No. 74.

14. BRACHYTHECIUM RIVULARE (BRYOL. EUR.), * B.
COLPOPHYILLOIDES.

Differs from this species in the leaves being narrower and their acumen longer and abruptly tapering to a short twisted point. Capsules and pedicels not seen. It is therefore doubtful that it belongs to *B. rivulare*; but the areolation of the leaves is the same.

On earth in the Yoho Valley, west slope of Rocky Mountains, B.C., altitude 7,000 feet, September 6th, 1904. No. 293.

15. BRACHYTHECIUM CIRRHOSUM (SCHWAEGR) SCHIMPER.

Collected on Southampton Island, Hudson Bay, August 15th, 1904, by Commander A. P. Low. No. 360.