

## 87. OLIGOTRICHUM HERCYNICUM (EHRH.) LAM.

British Columbia, 1908: Brinkman.

## 88. BRACHYTHECIUM VELUTINUM, BR. EUR. SUBSP. CURVIRAMEUM.

Leaves smaller, sometimes recurved below; cells generally wider, lanceolate, the alar well-distinct; costa longer, ceasing in the acumen. Perichetial leaves faintly denticulate. Branches subjulaceous, often curved. Capsule smaller than in the common form.

Quebec, 1905.

## 89. BRACHYTHECIUM (SECT. RUTABULA) LAXIRETE.

Leaves ovate-lanceolate acuminate, not plicate, long-decurrent, not or only at the base recurved, nearly appressed when dry; alar cells quadrate numerous, not large; other cells lanceolate; costa mostly short, rarely percurrent. Stem-leaves short-acuminate, nearly entire; branch-leaves long-acuminate with subulate or filiform point, nearly entire below, serrate above. Tufts not glossy. Stem irregularly divided. Monœcious. Capsule unknown.

Differs from *B. rutabulum* in smaller, nearly appressed leaves, those of the branches longer-acuminate, wider leaf-cells, etc. Approved by Dr. Brotherus.

British Columbia: Brinkman, 1908.

## 90. BRACHYTHECIUM PAPILLIPES.

Monœcious. Capsule small, cilia appendiculate; annulus not seen; pedicel minutely papillose nearly in its whole length, 2 c.m. long. Leaves somewhat large, ovate-lanceolate acuminate, often with long filiform point, long-decurrent, not auricled, recurved below at one side, not plicate, entire below, slightly denticulate above; alar cells rectangular, not large, other cells linear; costa vanishing below the acumen, generally reaching to  $\frac{2}{3}$ .

*B. mirabundum* differs: Leaves longer, longer-acuminate, short-decurrent, distinctly denticulate at the acumen; alar cells not well-defined; costa vanishing in acumen.

British Columbia, 1908: Mr. A. Brinkman

## 91. HYPNUM (DREPANOCLADUS) JAMESII-MACOUNII.

("Hypnum conflatum subnerve" Kindb. in letter to Prof. J. Macoun).

Leaves small ovate-oblong, more or less abruptly tapering to a subfiliform, often curved point, entire and decurrent, neither striate nor recurved; insertion pale; alar cells large hyaline