

*Leskea nervosa*, Myrin, var *flagellifera*, Kindb. N. var.

Stem furnished with numerous flagelliform branchlets; leaves small.—On trees in McKay's woods near Ottawa (Oct. 24th, 1885). J. Macoun, Coll.

*Thuidium lignicola*, Kindb. N. sp.

Monœcious. Tufts yellowish or bright green. Stems simply pinnate with few rhizoids and short, scarcely ramose, paraphyllia; branches close, distichous, attenuate, flexuous or slightly recurved. Stem-leaves from the broad cordate base attenuate to a long, often curved, point, faintly striate, reflexed on the borders; branch-leaves shorter, acuminate; all denticulate from the middle upward and papillose at the back or on both sides; cells obscure and rounded; costa vanishing in or below the apex. Capsule cylindrical, arcuate and light brown; teeth pale; ciliæ long, perfect; annulus double; lid conical. Differs from *T. Blandovii* in the shorter areolations of the leaf-cells, the smaller capsule and the shorter paraphyllia.—On rotten logs along the base of the Porcupine Mountains, Manitoba (July 29th, 1881). John Macoun, Coll.

*Cylindrothecium cladorrhizans* (Hedw) Sulliv. Non Schimp.

This species differs from the European *Cylindrothecium Schleicheri* Bruch, & Schimp, principally in the easily detached annulus of the capsule (Demeter Revue Bryol, 1885, No. 6).—On rotten logs and on stones and roots of trees in woods; Ontario. Common at Ottawa.

*Brachythecium rivulare*, Bruch Ms. × *Novæ-Brunsviciæ*, Kindb. N. Subsp.

Stem irregularly divided; branches simple and elongate. Leaves glossy, ovate, blunt or short-acute, striate, decurrent, indistinctly denticulate above or from the middle; cells dilatate, principally the lower and the uppermost, the alar and basilar finally orange-reddish, the alar rarely greater; costa short and simple.—On a horse trough at Canaan Forks, Queen's Co., New Brunswick (October, 1889). J. Moser, Coll.

*Brachythecium cyrtophyllum*, Kindb. N. sp.

Habit of a small form of *B. albicans*. Plants caespitose, green and faintly glossy. Stems irregularly divided, not creeping; branchlets