

## LI. CAMPTOTHECIUM, Schimp.

140. **C. nitens**, Schimp.

Abundant in the Mer Bleue ; also in Dow's Swamp, June 4th, 1884.

## LII. BRACHYTHECIUM, Schimp.

141. **B. laetum**, Brid.

A common species on stones in woods around Ottawa ; on boulders in woods at the south end of Cowley's Farm, west of Hintonburg, April 18th, 1896. Fruiting.

142. **B. digastrum**, C. M. and Kindb.

Tufts largely cohering, olive-green, not shining. Stem rigid, sub-pinnate or irregularly branching, radiculose below ; branches sub-julaceus, obtusate. Stem-leaves when dry loosely appressed or sub-imbricate, crowded, patent or subsecund when moist, decurrent, not auricled, plicate, biventrese, ovate and short-acuminate with the acumen flexuous or when dry serpentino-corrugate, borders more or less recurved but not reflexed, subentire or faintly denticulate above ; lower basal cells wide and sub-rhombic, the alar rather quadrate-rectangular and not very distinct, the upper confluent, small, very chlorophyllose, the inner median sublinear, the others oblong-lanceolate ; costa thick and subflexuous, long and vanishing near the acumen. Branch leaves ovate-oblong, more distinctly revolute at the borders, denticulate at the acumen and narrower areolate. Female flowers small, inner perichetial leaves filiform-acuminate with the acumen arcuate, long-costate and denticulate. Capsule asymmetric sub-cylindric, curved ; lid long-conic ; pedicel smooth 1-2 cm. long. Peristomial teeth conic-connivent when moist, dark red-brown below, very much longer than in the middle open segments ; cilia nodulose not apendiculate, annuli none. Monœcious.. Habit of *Leucodon julaceus*.

On rocks in McKay's Woods near south end of the lake, Oct. 12th, 1889. Fruiting.

143. **B. acuminatum**, (Beauv.)

On earth in McKay's Woods between the old entrance to Beechwood Cemetery and the lake ; also on logs at Carleton Place.

144. **B. salebrosum**, Bruch and Schimp.

On stones in damp woods north of Beechwood Cemetery, Oct. 16th, 1884 ; on stones at the rear of Cowley's Farm, west of Hintonburg, April 18th, 1896.

145. **B. acutum**, (Mitt.) Sulliv.

On earth in wet woods north of Beechwood Cemetery ; also in damp woods along the Beaver Meadow west of Hull, Que., Oct. 12th, 1891.