

199. *H. reptile*, Michx.

Abundant on trunks of trees in woods around Ottawa. On trunks "Pine Hill," Rockcliffe Park, April 14th, 1896; on old logs in Beechwood Cemetery and along the Aylmer Road, Oct. 12th, 1887.

200. *H. pallescens*, Schimp.

On limestone rocks on an old stone fence along the Aylmer Road, near Tetreauville, west of Hull, Que., Sept. 24th, 1891; on boulders along the road leading east from the end of the Electric Road, Rockcliffe Park, May 7th, 1896.

201. *H. Canadense*, Kindb.

On old logs and stones at Rockcliffe near the end of the Electric Road, Rockcliffe Park, May 7th, 1886; on stones in woods west of Hull, Que., Sept. 11th, 1891; on rocks in Rockcliffe Park, Sept. 25th, 1889.

202. *H. fertile*, Sendt.

On old logs at Casselman, June 11th, 1892.

203. *H. imponens*, Hedw.

Common on rotten logs around Ottawa, at Chelsea and Casselman.

204. *H. arcuatiforme*, Kindb.

Tufts dense, green, not glossy. Stem creeping, subpinnate. Leaves arcuate, ovate-lanceolate, generally short-acuminate or sub-obtusate, entire, decurrent, not striate; alar cells large, well-defined, orange, the other pale and narrow; costa none or short and double. Capsule sub-cylindric, curved, not striate nor furrowed, constricted below the wide mouth; teeth when dry incurved, pale-yellow, hyaline-margined; cilia long, appendiculate; pedicel about 3 cm. long. Probably dioecious. Resembles in habit *Hypnum cupressiforme*. Lid and male flowers not found.

The allied *Hypnum Lindbergii*, Mitt. (*H. arcuatum*, Lindb.) differs at once in the not creeping, irregularly divided stem, the shorter pedicel, the larger capsule, &c.

On earth near the gate of Beechwood Cemetery, Sept. 29th, 1889

205. *H. Renauldii*, Kindb.

Agrees with *Hypnum curvifolium* in the stem being more or less pinnate, the inner basal leaf-cells finally yellow; with *Hypnum Lindbergii* in the leaves being decurrent, alar cells very much dilated, the capsule not plicate in a dry state; differs from both in the entire leaves. *Hypnum pratense* differs in the leaves not being striate nor decurrent, and alar cells not evolute.