

168. **P. turfaceum**, Lindb.

Common on stumps in Dow's Swamp, Oct. 20th, 1885; on stumps at Carleton Place, May 30th, 1884; and on stumps "Pine Hill," Rockliffe Park, April 16th, 1896; on stumps west of Hull, Que., Oct. 24th, 1884.

169. **P. denticulatum**, (L.) Bruch and Schimp.

On the bases of trees at Britannia, Sept. 11th, 1890; in the swamp north of Beechwood Cemetery, Oct. 12th, 1889; on stumps in the Swamp along Bank street, on the Glebe property, April 27th, 1896; on earth Eastman's Springs, Aug. 26th, 1890; on base of trees Carleton Place, Oct. 30th, 1884.

170. **P. sylraticum**, Bruch and Schimp.

On earth in damp woods borders of Dow's Swamp, Oct. 16th, 1884; also in wet woods at Britannia, Sept. 14th, 1891.

171. **P. Sullivantiæ**, Schimp.

On earth on limestone ledges along the cliff north side of Rockliffe Park, May 7th, 1896; on earth at the roots of trees Meeche's Lake, north of Chelsea, Que., Sept. 23rd, 1893.

172. **P. membranosum**, Kindb.

Tufts dense, green and glossy. Leaves distichous, crowded and patent, flat, ovate-oblong, acute or short-acuminate, estriate, entire or denticulate above the middle, decurrent; cells very long and narrow, the alar large hyaline and subquadrate; costa none or obsolete. Capsule cylindrical-obovate, horizontally curved; teeth yellow; pedicel smooth, 2 cm. long. Lid unknown. Probably dioecious.

On dead wood in Dow's Swamp, Oct. 17th, 1884.

173. **P. brevipungens**, Kindb.

Tufts dense, dark green. Stems prostrate, irregularly pinnate; branches attenuate. Leaves crowded, scarcely decurrent, ovate-oblong, acute or short-pointed, auricled, not plicate nor reflexed on the borders, entire or slightly denticulate at the apex; upper cells long and narrow, the alar very distinct, quadrate, inflate and hyaline; costa very short, thick and simple or none. Capsule curved; lid short, conical; pedicel smooth. Monoecious.

On stones in McKay's Woods opposite the entrance to Beechwood Cemetery, May 21st, 1885.

174. **P. attenuatirameum**, Kindb.

Tufts green, faintly shining, loose, with few rhizoids. Primary stem very short; branches elongate, long-attenuate, finally flagelliform. Leaves sub-distichous, the lower broadly ovate, obtuse or obtusate,