

119. *A. obtusifolius*, Br. and Sch.

Abundant on the bases of trees in black ash swamps and wet woods around Ottawa. Fruiting in the autumn. On trunks south end of Cowley's Farm, near Hintonburg, April 18th, 1896.

120. *A. apiculatus*, Bruch and Schimp.

On decaying logs and flat limestone rocks in McKay's Woods, opposite the entrance to Beechwood Cemetery; on limestone rocks, Rockcliffe Park, April 22nd, 1896.

121. *A. viticulosus*, Hook. and Tayl.

Very common on limestone rocks near McKay's Lake and along the Ottawa west of Hull, and on damp ledges in woods along the Beaver Meadow west of Hull, Que.; on damp rocks facing the river, Rockcliffe Park, April 22nd, 1896.

122. *A. heteroideus*, Kindb.

Plants densely tufted, green, finally fuscous or blackish. Stem creeping, subpinnate, much branching and furnished with numerous small, flagelliform branchlets, densely beset with very small, oblong, obtuse and nerveless leaves; paraphyllia broad. Stem-leaves subdistant, decurrent, appressed when dry, open-erect when moist, from a broadly ovate base suddenly narrowed to a long, subulate or sublinear acumen, entire, faintly papillose; margins revolute at the base; branch-leaves more attenuate; cells round-oval, the marginal of the base quadrate; costa vanishing below the acumen. Diccious. Fruiting specimens not found. This species resembles *Leskea nervosa* in habit.

On flat limestone rocks and the roots of trees in McKay's Woods, opposite the entrance to Beechwood Cemetery; on limestone rocks at Meeche's Lake, near Chelsea, Que., Sept. 23rd, 1893.

## XLV. PLATYGYRIUM, Bruch and Schimp.

123. *P. repens*, Bruch and Schimp.

On old logs in woods at Eastman's Springs, Casselman and Carleton Place; on old logs in woods north of Beechwood, May 7th, 1896.

Var. *orthoclados*, Kindb.

Branches elongate and not curved. All basal leave-cells orange. Segments linear, not completely free at base, smooth or denticulate at one side, not shorter than the teeth.

On old logs at the south end of Skead's Farm, west of Hintonburg, May 15th, 1885.