

entire, long-decurrent, concave, recurved at the borders from the base to the middle, at least at the one side ; cells chlorophyllose, somewhat dilated, the lowest very much wider and shorter, nearly uniform ; costa generally short and double, rarely simple and reaching to the middle ; the other leaves gradually smaller, narrower and more acute or acuminate. Barren.

On rocks in Gilmour's Park, Chelsea, Que., Sept. 6th, 1889.

#### LVIII. AMBLYSTEGIUM, Schimp.

##### 175. *A. Sprucei*, Bruch. and Schimp.

On old cedar stumps in Dow's Swamp, Oct. 16th, 1884.

##### 176. *A. subtile*, Bruch. and Schimp.

On the bases of large trunks in McKay's Woods, Oct. 10th, 1889 ; on the borders of Dow's Swamp, Oct. 16th, 1884 ; in Beechwood Cemetery, April 28th, 1896 ; also at Hog's Back, May, 1897.

##### 177. *A. confervoides*, Bruch. and Schimp.

On flat limestone rocks in woods north of the Experimental Farm ; along the Ottawa, west of Hull ; and in McKay's Woods near the Lake, Sept. 9th, 1889 ; also on the cliffs and flat rocks, Rockcliffe Park, April 16th, 1896.

##### 178. *A. Yuratzskæ*, Schimp.

On dead wood, stones and bases of trees, McKay's Woods, Oct. 12th, 1889 ; on earth at Dow's Swamp, Oct. 16th, 1884 ; on stones in Beechwood Cemetery, May 21st 1885.

##### 179. *A. serpens*, Bruch. and Schimp.

On earth in woods and at the roots of trees ; common ; on roots of trees, Rockcliffe Park, May 7th, 1896 ; at the base of trees, Hog's Back, May, 1897.

##### 180. *A. porphyhizum*, (Lindb.) Schimp.

On stones in McKay's Woods, Aug. 26th, 1889 ; also in woods at Carleton Place, Sept. 25th, 1889.

##### 181. *A. varium*, (Hedw.) Lindb.

On stones in damp parts of McKay's Woods and Beechwood Cemetery, Oct. 12th, 1889 ; on stones at Leamy's Lake, Hull, Que., 1896.

##### 182. *A. fluviatile*, Bruch. and Schimp.

On stones in the brook that discharges Kingsmere, four miles west of Chelsea, Que., Sept. 9th, 1889 ; on rocks in a brook at Meeche's Lake, north of Chelsea, Que., Sept. 23rd, 1893.