

BOTANICAL NOTES IN NOVA SCOTIA.—BY A. H. MACKAY, LL. D.

(Read 18th May, 1903).

*Apios, Apios* (L.) MacM. Ground Nut.—Found by W. H. Prest in Queens county.

*Crataegus Robinsoni* Sargent. Robinson's Hawthorn.—A new species found in Pictou county. Named after Mr. C. B. Robinson, late Science Master in Pictou Academy. First collected by one of his botanical students, Miss Isabella W. MacCabe.

*Calluna vulgaris* (L.) Salisb. Heather.—Spreading in Pt. Pleasant Park, Halifax. Transplanted to Park at Saint John, N. B., where it is growing. In the Public Gardens, Halifax. Found by C. B. Robinson on the 23rd of March, 1903, at Bay View, near entrance of Pictou harbor, "about 300 yards from cemetery, a short distance from the road, and 20 yards from N. W. corner of brackish water beyond Sea View (Bay View) Cemetery, on Pictou Road, near a little brook." Found previously near Pictou Landing, opposite side of the harbor to Pictou town.

*Andromeda Polifolia* (L.)—Found by Mr. A. W. Fraser near Sherbrooke, N. S. Also found near Halifax.

*Gratiola aurea* Muhl. Goldenpert.—Found on the sandy margins of Lake Annis, Yarmouth county, by Dr. David Soloan.

*Gerardia paupercula* (A. Gray) Britton. Small-flowered Gerardia.—Found by Dr. Soloan on the margin of Lake Annis, Yarmouth county.

*Lappula Lappula* (L.) Karst. European Stickseed.—Found at Fairview, Halifax county, by Mr. John MacAloney.

*Razoumofskya pusilla* (Peck) Kuntze. Small Mistletoe.—C. B. Robinson of Pictou, in 1903, made the following report on this species:—

“During the summer of 1902 Mr. Clifton D. Howe, of the University of Chicago, discovered the Dwarf Mistletoe, *Razoumofskya pusilla*, parasitic upon *Picea Mariana*, at Bay View, near Pictou. Subsequent search in that district has shown that although it is rare on the whole, it grows in great abundance between Pictou Landing and Rustico, upon trees of every size; but of the one species (Black Spruce) over fifty infected trees were counted.”

*Cypripedium reginae* Walt. Showy Ladies' Slipper. And *C. hirsutum* Mill., Large Ladies' Slipper.—Reported from north Cape Breton (Inverness county) by Mr. Finlayson to Mr. C. B. Robinson.

*Smilax rotundifolia* (L.). Greenbrier.—Found by Dr. Soloan near lakes Annis and Brazil, Yarmouth county.

*Iris Pseudacorus* (L.). Yellow Flag.—Found at Arcadia, Yarmouth county, by Miss Kelsey of Yarmouth.

*Veratrum viride* Ait. American White Hellebore.—Found in west Halifax county by the late Mrs. Dominey, teacher.

*Dryopteris Lonchitis* (L.) Kuntze.—At Aspy Bay, C. B., by A. H. MacKay, 1876. At River Dennys Cave, C. B., by C. B. Robinson, 30th July, 1902.

*Asplenium viride* Huds.—At the Falls, Moose River, Cumberland Co., about 1890. At River Denys' Cave, C. B., by C. B. Robinson, 30th July, 1902.

*Woodwardia Virginica* (L.) J. E. Smith.—At North West Arm, Halifax, by Harris, before 1876. Near lakes, Halifax, Richard Power, 1900. At Cheverie, Hants Co., by Miss K. E. MacKay, 1902; determined by C. B. Robinson.

*Stypocaulon scoparium* (L.) Kutz.—A marine alga. First found in America by Dr. Howe at Pictou, and afterwards by Mr. C. B. Robinson at Cape John (23rd April, 1903), and afterwards at Pictou, Pictou Island, and at Pugwash, Nova Scotia; and on the Prince Edward Island coast opposite.

## TERATOLOGICAL SPECIMENS.

*Ranunculus acris* (L.). The Tall Buttercup.—Misses Curren and James presented a specimen from the Musquodoboit Valley, Halifax county, in which a number of stalks were united into a flat stem nearly an inch broad, with a number of flowers sessile on the top. The branches and leaves belonging to this flattened stem were peculiarly dwarfed.

*Taraxacum Taraxacum* (L.) Karst. Common Dandelion.—Several scapes nearly a foot long were united completely into a flat band like a scape nearly an inch in width, the whole surmounted by a crowded bunch of heads sessile on the united first scape. Halifax county.

*Chrysanthemum Leucanthemum* (L.). Ox-eye Daisy.—Several stems apparently all united into an enlarged fluted and inflated stem which was surmounted by a crowded bunch of sessile heads. The leaves arising from the stem were peculiarly dwarfed. Queens Co., W. H. Prest.

*Iris versicolor* (L.).—What appears to be a white mutation or variety of the Common Blue Flag was discovered near Guysboro county. Several specimens were found near the Lochaber Lake by Mrs. M. W. Andrews of Isaac's Harbor, roots of some were taken up to be cultivated under observation.