

12
Craft of the writer.

[Reprinted from the CANADIAN RECORD OF SCIENCE, January, 1889.]

NOTES ON THE FLORA OF MONTEBELLO, QUEBEC,
ESTATE OF THE HON. MR. PAPINEAU.

By HENRY ^{me} R. AMI, M.A., Cor. Mem. Torrey Botan. Club.

At the Annual Field-day, held under the auspices of the Natural History Society of Montreal, on the 16th day of June, 1888, at Montebello, the various members of that Society had an excellent opportunity offered them, of examining the more salient characteristics of the natural phenomena existing in that locality. In and around the spacious grounds and estates of the Hon. Mr. L. J. Papineau,

kindly thrown open to the excursionists on that occasion, as also on a previous one (1881), the diversity of the soil and region, afforded quite a diversity of flora, as well as of fauna.

For example, *Cypripedium parviflorum*, *Habenaria dilatata*? *Arisæma triphyllum*, *Gaultheria procumbens*, *Linnaea borealis*, *Thuja occidentalis*, *Impatiens fulva*, *Oxalis Acetosella*, *Goodyera pubescens*, *Pyrola elliptica*, *Thalictrum Cornuti* and other plants were noticed in the low-lying grounds, between the "manor" and the Canadian Pacific Railway track, whilst such species as *Comandra umbellata*, *Saxifraga Virginiensis*, *Prunus Pennsylvanica*, *Vaccinium vacillans*, *Asclepias Cornuti*, *Quercus rubra*, *Adiantum pedatum*, *Aquilegia Canadensis* and *Rubus odoratus* occupied the higher and dryer levels along the hill slopes and tops. It was a delight to meet with *Cypripedium acaule* in such numbers as were noted along the bluff of micaceous gneiss, close to the R. R. track, associated with *Chimaphila umbellata*, *Rubus villosus*, *Prunus Pennsylvanica*. The beautiful little "blue-eyed grass"—*Sisyrinchium mucronatum*, noted for the rapidity with which it ripens or produces its fruit—was also observed in large numbers; this species is found skirting the edge of the Laurentides from north of Montreal westward to Ottawa and farther west. Besides the above, *Polygala paucifolia*, *Lathyrus ochroleucus*, *Geum rivale*, *Dirca palustris*, *Lycopus Virginicus*, *Cypripedium parviflorum*, *Symphoricarpos racemosus*, var. *pauciflorus* are amongst those species which are of usual occurrence, and of general interest along the Ottawa valley.

A few plants have escaped cultivation and are spreading, viz.:—*Arabis hesperidoides*, *Allium Schænoprasum* and *Convallaria majalis*.¹

In order to ascertain in general, what the flora of the grounds surrounding the "manor" was—a list of the species was made on the spot, subsequently systematized, and hereto appended:—

¹ Vide Trans. Ottawa Field Naturalists' Club, No. 3, 1882, p. 23.

List of species found growing within the grounds of Mr. L. J. Papineau, and in the village of Montebello adjoining.

P. represents the Papineau Estates; M. Montebello, for locality.

- Clematis Virginiana*, L. P.
Anemone dichotoma, L. P.M.
Anemone Hepatica, L. P.
Thalictrum Cornuti, L. P.
Ranunculus abortivus, L. P.
 " *acris*, L. P.M.
 " *recurvatus*, Poir. P.
Coptis trifolia, Salisb. P.
Aquilegia Canadensis, L. P.
Actæa alba, Bigelow, P.
 " *spicata*, L. var. *rubra*, Ait. P.
Chelidonium majus, L. P.
Cardamine pratensis, L. P.
Arabis hesperidoides, Gray. P.
Brassica alba, Gray. M.
 " *Sinapistrum*, Boiss. M.
Capsella bursa-pastoris, Mœnch. M.P.
Thlaspi arvense, L. M.
Viola cucullata, Ait. P.
Cerastium vulgatum, L. M.P.
Tilia Americana, L. P.
Geranium Robertianum, L. P.
Impatiens fulva, Nutt. P.
Oxalis Acetosella, L. P.
 " *corniculata*, L. var. *stricta*, L. P.
Rhus Toxicodendron, L. P.
Rhus typhina, L. P.
Ampelopsis quinquefolia, Michx.P.
Acer Pennsylvanicum, L. P.
 " *rubrum*, L. P.
 " *saccharinum*, L. P.
 " *spicatum*, Lam. P.
Polygala patrifolia, Willd. P.
Trifolium repens, L. P.M.
 " *pratense*, L. P.M.
Medicago Lupulina, L. P.M.
Lathyrus ochroleucus, Hook. P.
Robinia viscosa, Vent. P.
Prunus Pennsylvanica, L. P.
 " *Virginiana*, L. P.
Geum rivale, L. P.
Fragaria vesca, L. P.
 " *Virginiana*, Ehrh. P.M.
Rubus odoratus, L. P.
 " *strigosus*, Michx. P.M.
 " *triflorus*, Tich. P.
 " *villosus*, Ait. P.
- Pyrus Americana*, D.C. P.
Amelanchier Canadensis, v. *oblongifolia*, T. & G. P.
Ribes Cynosbati, L. P.
 " *lacustris*, Poir. P.
Saxifraga Virginensis, Michx.P.
Mitella diphylla, L. P.
 " *nuda*, L. P.
Tiarella cordifolia, L. P.
Epilobium spicatum, L. P.
Sanicula Marilandica, L. P.
Osmorrhiza brevistylis, D.C. P.
Aralia nudicaulis, L. P.
Cornus Canadensis, L. P.
 " *circinata*, L'Her. P.
 " *stolonifera*, Michx. P.M.
Linnæa borealis, Gronov. P.
Symphoricarpos racemosus, Michx. var., *pauciflorus*, Robbins, M.
Lonicera ciliata, Muhl. P.
DierVilla trifida, Mœnch. P.
Sambucus Canadensis, L. P.
Viburnum acerifolium, L. P.
 " *Opulus*, L. P.
Galium asprellum, Michx. P.
 " *triflorum*, L. P.
Aster cordifolius, L. P.
Aster macrophyllus, L. P.
Erigeron Philadelphicum, L. P.
 " *strigosum*, L. P.
Bidens frondosa, L. P.
Anthemis Cotula, L. M.
Achillæa millefolium, L. P.M.
Chrysanthemum Lecanthemum, L. M.
Artemisia vulgaris, L. M.
Antennaria plantaginifolia, R. Br. P.
Cnicus arvensis, Scop. M.P.
Lappa officinalis, All. M.
Cichorium Intybus, L. M.
Nabalus sp. P.
Taraxacum officinale, Weber, M.P.
Vaccinium Pennsylvanicum, L. P.
Vaccinium vacillans Solander. P.
Gaultheria procumbens, L. P.
Pyrola elliptica, Nutt. P.
 " *secunda*, L. P.
Chimaphila umbellata, Nutt. P.
Plantago major, L. P.M.

- Plantago Rugellii*, Decaisne. P.
Trientalis Americana, Pursh. P.
Veronica serpyllifolia, L. P.M.
Lycopus Virginicus, L. M.
Leonurus Cardiaca, L. M.
Cynoglossum officinale, L. M.
 " *Virginicum*, L. P.
Apocynum androsaemifolium, L. P.
Asclepias Cornuti, Decaisne. P.
Fraxinus pubescens, Lam. P.M.
Chenopodium album, L. P.M.
Atriplex patula, L. P.M.
Polygonum aviculare, L. M.
 " *cilinode*, Michx. P.
 " *hydropiper*, L. P. & M.
Rumex Acetosella, L. P.M.
 " *verticillatus*, L. P.M.
Dirca palustris, L. P.M.
Comandra umbellata, Nutt
Ulmus Americana, L. P.M.
 " *fulva*, Michx. M.
Juglans cinerea, L. P.
Quercus alba, L. M.
 " *rubra*, L. P.
Fagus ferruginea, Ait. P.
Corylus rostrata, Ait. P.
Carpinus Americana, Michx. P.
Betula papyracea, Ait. P.
 " *lena*, L. P.
Alnus incana, Willd. P.
Salix (several species), P. & M.
Populus balsamifera, L. P.
 " *grandidentata*, Michx. P.
 " *tremuloides*, Michx. P.
Pinus Strobus, L. P.M.
 " *resinosa*, Ait. P.
Picea alba, Link. P.
Abies balsamea, L. P.
Pseudotsuga Canadensis, Michx.
 P.
Larix Americana, Michx. P.
Thuja occidentalis, L. P.
Juniperus communis, L.
Arisæma triphyllum, Torrey P.
Typha latifolia, L. P.
- Alisma plantago*, L. var. *Ameri-*
cana, Gray. P.
Habenaria dilatata, Gray. P.
Goodyera pubescens, R. Br. P.
Cypripedium acule, Ait. P.
 " *parviflorum*, Salisb.
 P. (1881.)
Iris versicolor, L. P.
Sisyrinchium mucronatum,
 Michx. L. P.M.
Smilax herbacea, L. P.M.
Trillium grandiflorum, Salisb.
 P.
Medeola Virginica, L. P.
Streptopus roseus, Michx. P.
Uvularia sessilifolia, L. P.
Clintonia borealis, Raf. P.
Smilacina racemosa, L. Desf. P.
Mianthemum Canadense, Desf.
 P.M.
Erythronium Americanum, Smith.
 P.
Allium Schœnoprasum, L. P.
Convallaria majalis, L. P.
Scirpus atrovirens, Muhl. P.
Carex intumescens, Rudge.
 " *laxiflora*, Lam. P.
 " *riparia*, Curtis. P.
 " *stellulata*, L. P.
Agrostis vulgaris, With.
Calamagrostis Canadensis,
 Beauv. P.
Phleum pratense, L. P.M.
Equisetum hyemale, L. M.
 " *sylvaticum*, L. P.
Pteris aquilina, L. P.M.
Adiantum pedatum, L. P.
Phegopteris Dryopteris, Feé. P.
Aspidium Thelypteris, Swz. P.
Onoclea sensibilis, L. P.
 " *Struthiopteris*, Hoffm.
Botrychium Virginicum, Swz. P.
Lycopodium clavatum, L. P.
 " *complanatum*, L. P.

OTTAWA, June 20th, 1888.