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Preliminary List

OF

PLANTS OF BUFFALO

AND ITS VICINITY.

BY GEORGE W. CLINTON,

PRES'T OF THE BUFFALO SOCIETY OF NATURAL SCIENCES.

BUFFALO:

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NOTE.

THE BUFFALO SOCIETY OF NATURAL SCIENCES was organized on the 5th day of December, 1861. Dr. C. C. F. GAY was elected Curator of Botany, and that gentleman, with DAVID F. DAY, Esq., and myself, have, ever since, composed the Botanical Committee. The following list is intended to comprise the results of our two seasons' explorations, and is, necessarily imperfect; but we confidently hope to be able to add to and perfect it, and make a catalogue worthy of the Society. In the meantime, I offer this humble attempt to the Society, and our correspondents.

Thanks are due to several correspondents for the aid which they have given in determining our plants, and particularly to Professor ASA GRAY, to that eminent caricographer, the Rev. CHESTER DEWEY, and to Dr. GEORGE THURBER.

We have not been able to determine all our collected species, and I thought it better to omit those which were undetermined. Much remains to be done, especially in the genera Potamogeton, Quercus, Salix and Carex.

I include in "the vicinity" of Buffalo, Chautauqua County, Erie County, Niagara County, and the adjacent Canadian coast. Where a plant is found within this district, but not in the immediate vicinity of Buffalo, the locality is mentioned. A few plants out of the district are inserted in the list, and their stations given, for the information of our correspondents.

The arrangement of the list corresponds with Gray's Manual. The list is not intended to impart information as to the origin of the plants; but, in a few instances, *nat.* (naturalized) is used, and, generally, as an expression of my opinion that the plant is naturalized where the books are silent or leave the matter doubtful; *f. w.* and *c. s.* mean field weed and culture scape; *g. w.* and *g. s.* garden weed and garden scape; *acc.* is a contraction for accidental, and is used where a seed or a few seeds, brought by a vessel or railroad, or cattle train, have produced the plant, but it is doubtful whether the plant can continue itself here,—so it is used in the case of *Potentilla palustris*, which was brought here, growing and in full bloom, upon an ancient raft, probably from Chippewa Creek.

BUFFALO, March 7, 1864.

G. W. CLINTON.

LIST OF PLANTS

OF

BUFFALO AND VICINITY.

RANUNCULACEÆ.

- CLEMATIS Virginiana, L.
 ANEMONE cylindrica, Gray.
 Virginiana, L.
 Pennsylvanica, L.
 nemorosa, L.
 HEPATICA triloba, Chaix.
 acutiloba, DC.
 THALICTRUM anemonoides, Mx. Portage.
 dioicum, L.
 cornuti, L.
 RANUNCULUS aquatilis, L., v. divaricatus.
 Purshii, Richards.
 cymbalaria, Pursh. Salina.
 abortivus, L.
 sceleratus, L.
 recurvatus, Poir.
 Pennsylvanicus, L.
 fascicularis, Muhl.
 repens, L.
 acris, L.
 CALTHA palustris, L.
 COPTIS trifolia, Salisb.
 AQUILEGIA Canadensis, L.
 DELPHINIUM consolida, L.
 ACTÆA spicata, v. rubra, Mx.
 " v. alba, Mx.
 CIMICIFUGA racemosa, Ell.
 NIGELLA, Damascena, L. g. w.

MAGNOLIACEÆ.

- MAGNOLIA acuminata, L.
 LIRIODENDRON tulipifera, L.

MENISPERMACEÆ.

- MENISPERMUM Canadense, L.

BERBERIDACEÆ.

- CAULOPHYLLUM thalictroides, Mx.
 PODOPHYLLUM peltatum, L.

NYMPHÆACEÆ.

- NYMPHÆA odorata, Ait.
 NUPHAR advena, Ait.

SARRACENIACEÆ.

- SARRACENIA purpurea, L. Chautauqua Co.

PAPAVERACEÆ.

- PAPAVER somniferum, L. g. w.
 CHELIDONIUM majus, L.
 SANGUINARIA Canadensis, L.

FUMARIACEÆ.

- DICENTRA cucullaria, DC. *
 Canadensis, DC.
 CORYDALIS glauca, Pursh. Alexandria Bay.
 FUMARIA officinalis, L.

CRUCIFERÆ.

- NASTURTIUM officinale, R. Br. Niagara Falls.
 palustre, DC.
 lacustre, Gray.
 armoracia, Fries. c. s.
 DENTARIA diphylla, L.
 laciniata, Muhl.
 CARDAMINE rhomboidea, DC.
 " v. purpurea, Torr.
 pratensis, L.
 hirsuta, L.
 ARABIS lyrata, L.
 hirsuta, Scop. Niagara Falls.
 laevigata, DC.
 Canadensis, L.
 TURRITIS glabra, L.
 BARBAREA vulgaris, R. Br.
 ERYSIMUM cheiranthoides, L.
 SISYMBRIUM officinale, Scop.
 SINAPIS arvensis, L.
 nigra, L.
 BRASSICA campestris, L. c. s. ?
 CAMELINA sativa, Crantz.
 ALYSSUM calycinum. Brock's monument.
 LEPIDIUM virginicum, L.
 CAPSELLA bursa-pastoris, Moench.
 CAKILE Americana, Nutt.
 RAPHANUS sativus, L. f. w.
 HESPERIS matronalis, L. g. s.

CAPPARIDACEÆ.

- POLANISIA graveolens, Raf.

RESEDACEÆ.

- RESEDA odorata, L. g. s.
 alba, L. g. s.

VIOLACEÆ.

- VIOLA rotundifolia, Mx. Chaut. Co.
 blanda, Willd.
 Selkirkii, Goldie. Chaut. Co.
 cucullata, Ait.
 palmata, L.
 sagittata, Ait.
 rostrata, Pursh.
 Muhlenbergii, Torr.
 Canadensis, L.
 striata, Ait. La Grange.
 pubescens, Ait.
 tricolor. g. w.
 " v. arvensis, DC. Nat.

CISTACEÆ.

HELIANTHEMUM Canadense, Mx.
 LECHEA major, Mx.
 minor, Lam.

DROSERACEÆ.

DROSERA rotundifolia, L. Chaut. Co.

PARNASSIACEÆ.

PARNASSIA Caroliniana, Mx.

HYPERICACEÆ.

HYPERICUM pyramidatum, Ait.
 Kalmianum, L. Goat Island.
 perforatum, L.
 corymbosum, L.
 mutilum, L.
 ELODEA Virginica, Nutt.

CARYOPHYLLACEÆ.

SAPONARIA officinalis, L.
 VACCARIA vulgaris, Host. acc'l.
 SILENE inflata, Smith. Nat.
 armeria, L. g. w.
 antirrhina, L.
 noctiflora, L.
 AGROSTEMMA githago, L.
 ARENARIA serpyllifolia, L.
 MEHRINGIA lateriflora, L.
 STELLARIA media, Smith.
 longifolia, Muhl.
 CERASTIUM vulgatum, L.
 viscosum, L.
 nutans, Raf.
 arvense, L.
 SPERGULA arvensis, L.
 MOLLUGO verticillata, L.

PORTULACACEÆ.

PORTULACA oleracea, L.
 CLAYTONIA Virginica, L.
 Caroliniana, Mx.

MALVACEÆ.

ALTHAEA rosea, L. g. s.
 MALVA rotundifolia, L.
 sylvestris, L. g. s.
 ABUTILON Avicennæ, Gaert. Lewiston.
 HIBISCUS moscheutos, L.
 trionum, L. g. s.

TILIACEÆ.

TILIA Americana, L.

LINACEÆ.

LINUM Virginianum, L.
 usitatissimum, L. c.s.

OXALIDACEÆ.

OXALIS acetosella, L. Chaut. Co.
 stricta, L.

GERANIACEÆ.

GERANIUM maculatum, L.
 Robertianum, L.

BALSAMINACEÆ.

IMPATIENS pallida, Nutt.
 fulva, Nutt.

LIMNANTHACEÆ.

FLOERKEA proserpinacoides, Willd.

RUTACEÆ.

ZANTHOXYLUM Americanum, Mill.
 PTELEA trifoliata, L.

ANACARDIACEÆ.

RHUS typhina, L.
 glabra, L.
 venenata, L.
 toxicodendron, L.
 radicans, L.
 aromatica, Ait. Niag. Falls.

VITACEÆ.

VITIS labrusca, L.
 aestivalis, L.
 cordifolia, Mx.
 AMPELOPSIS quinquefolia, Mx.

RHAMNACEÆ.

RHAMNUS catharticus, L. Hedges.
 alnifolius, L'Her.
 CEANOTHUS Americanus, L.

CELASTRACEÆ.

CELASTRUS scandens, L.
 EUONYMUS atropurpureus, Jacq.
 obovatus, Nutt.

SAPINDACEÆ.

STAPHYLEA trifolia, L.
 ACER Pennsylvanicum, L.
 spicatum, Lam.
 saccharinum, Wang.
 nigrum, Mx.
 dasycarpum, Ehr.
 rubrum, L.

POLYGALACEÆ.

POLYGALA verticillata, L.
 Senega, L.
 paucifolia, Willd.

LEGUMINOSÆ.

LUPINUS perennis, L.
 TRIFOLIUM arvense, L.
 pratense, L.
 repens, L.
 MELILOTUS officinalis, Willd.
 alba, Lam.

MEDICAGO lupulina, L.
 sativa, L. c. s.
 ROBINIA pseudacacia, L. *cult.*
 viscosa, Vent. *cult.*
 GLYCYRRHIZA lepidota, Nutt.
 ASTRAGALUS Canadensis, L.
 Cooperi, Gray.
 DESMODIUM nudiflorum, DC.
 acuminatum, DC.
 rotundifolium, DC.
 cuspidatum, T. & G.
 Dillenii, Darl.
 paniculatum, DC.
 Canadense, DC.
 rigidum, DC.
 Marilandicum, Boott.
 LESPEDEZA violacea, Pers.
 hirta, Ell.
 capitata, Mx.
 VICIA sativa, L.
 Caroliniana, Walt.
 Americana, Muhl.
 LATHYRUS maritimus, Bigelow.
 ochroleucus, Hook.
 palustris, L.
 myrtifolius, Muhl.
 PISUM sativum, L. *f. v.*
 APIOS tuberosa, Moench.
 AMPHICARPEA monoica, Nutt.

ROSACEÆ.

PRUNUS Americana, Marsh.
 Pennsylvanica, L.
 Virginiana, L.
 serotina, Ehr.
 SPIRÆA opulifolia, L.
 salicifolia, L.
 AGRIMONIA eupatoria, L.
 GEUM album, Gmelin.
 Virginianum, L.
 strictum, Ait.
 rivale, L.
 WALDSTEINIA fragarioides, Traut.
 POTENTILLA Norvegica, L.
 Canadensis, L.
 argentea, L.
 anserina, L.
 palustris, Scop. *acc.*
 FRAGARIA Virginiana, Ehr.
 vesca, L.
 DALIBARDA repens, L.
 RUBUS odoratus, L.
 triflorus, Rich.
 strigosus, Mx.
 occidentalis, L.
 villosus, Ait.
 " v. humifusus.
 Canadensis, L.
 hispidus, L.
 ROSA Carolina, L.
 lucida, Ehr.
 blanda, Ait.
 rubiginosa, L.
 spinosissima, L. *g. s.*
 CRATÆGUS oxyacantha, L. Hedge.
 coccinea, L.
 tomentosa, L.
 crus-galli, L.

PYRUS communis, L. Grand Island.
 malus, L. Grand Island.
 coronaria, L.
 arbutifolia, L.
 Americana, DC. Chaut. Co.
 AMELANCHIER Canadensis, T. & G.

LYTHRACEÆ.

NESSEA verticillata, Kunth.

ONAGRACEÆ.

EPILOBIUM angustifolium, L.
 palustre, L. v. lineare, Gray.
 coloratum, Muhl.
 ŒNOTHERA biennis, L.
 chrysantha, Mx.
 GAURA biennis, L.
 LUDWIGIA palustris, Ell.
 CIRCÆA lutetiana, L.
 alpina, L.
 PROSERPINACA palustris, L.
 MYRIOPHYLLUM spicatum, L.
 heterophyllum, Mx.
 HIPPURIS vulgaris, L. Schuyler's Lake, Otsego Co.; Alexandria Bay.

GROSSULACEÆ.

RIBES cynosbati, L.
 hirtellum, Mx.
 prostratum, L'Her. Alexandria Bay.
 Floridum, L.
 rubrum, L.

CUCURBITACEÆ.

SICYOS angulatus, L. *acc.*
 ECHINOCTYSIS lobata, T. & G.

CRASSULACEÆ.

SEDUM telephium, L. *g. s.*
 acre, L. *nat.*
 PENTHOTHUM sedoides, L.

SAXIFRAGACEÆ.

SAXIFRAGA Virginienis, Mx.
 Pennsylvanica, L.
 MITELLA diphylla, L.
 TIARELLA cordifolia, L.
 CHRYSOSPLENIUM Americanum, Schwein.

HAMAMELACEÆ.

HAMAMELIS Virginica, L.

UMBELLIFERÆ.

HYDROCOTYLE Americana, L.
 SANICULA Canadensis, L.
 Marylandica, L.
 DAUCUS carota, L.
 HERACLEUM lanatum, Mx.
 PASTINACA sativa, L.
 ARCHANGELICA hirsuta, T. & G. Portage.
 atropurpurea, Hoff.
 THASPIUM barbinode, Nutt.
 aureum, Nutt.

ZIZIA integrissima, DC.
 CICUTA maculata, L.
 bulbifera, L.
 SIUM lineare, Mx.
 angustifolium, L.?
 CRYPTOTÆNIA Canadensis, DC.
 OSMORRHIZA longistylis, DC.
 brevistylis, DC.
 CONIUM maculatum, L.
 ERIGENIA bulbosa, Nutt.
 CARUM carui, L. *g. s. Nat. in Chaut. Co.*
 ANETHUM feniculum, L. *g. s.*
 CORIANDRUM sativum, L. *g. s.*

ARALIACEÆ.

ARALIA racemosa, L.
 hispida, Mx.
 nudicaulis, L.
 PANAX quinquefolium, L.
 trifolium, L.

CORNACEÆ.

CORNUS Canadensis, L.
 Florida, L.
 circinata, L'Her.
 sericea, L.
 stolonifera, Mx.
 paniculata, L'Her.
 alternifolia, L.
 NYSSA multiflora, Wang.

CAPRIFOLIACEÆ.

SYMPHORICARPUS racemosus, Mx.
 LONICERA sempervirens, Ait. *g. s.*
 parviflora, Lam.
 ciliata, Muhl.
 DIERVILLA trifida, Moench.
 TRIOSTEUM perfoliatum, L.
 SAMBUCUS Canadensis, L.
 pubens, Mx.
 VIBURNUM nudum, L.
 lentago, L.
 dentatum, L.
 pubescens, Pursh.
 acerifolium, L.
 opulus, L.
 lantanoïdes, Mx.

RUBIACEÆ.

GALIUM aparine, L.
 asprellum, Mx.
 trifidum, L.
 tinctorium, L.
 triflorum, Mx.
 pilosum, Ait.
 circaezans, Mx.
 lanceolatum, Torr.
 boreale, L.
 CEPHALANTHUS occidentalis, L.
 MITCHELLA repens, L.
 OLDENLANDIA ciliolata, Torr.
 coerulea, Gray.

VALERIANACEÆ.

VALERIANA officinalis, L. *g. s.*
 FEDIA fagopyrum, T. & G.

DIPSACEÆ.

DIPSACUS sylvestris, Mill.

COMPOSITÆ.

LIATRIS cylindracea, Mx. Niagara Falls.
 EUPATORIUM purpureum, L.
 perfoliatum, L.
 ageratoides, L.
 TUSSILAGO farfara, L.
 ASTER corymbosus, Ait.
 macrophyllus, L.
 laevis, L.
 " v. cyaneus.
 undulatus, L. Portage.
 cordifolius, L.
 sagittifolius, Willd.
 ericoides, L.
 " v. villosus.
 multiflorus, Ait.
 Tradescanti, L.
 miser, L.
 " v. hirsuticanlis.
 " v. diffusus.
 simplex, Willd.
 tenuifolius, L. v. bellidiflorus.
 longifolius, Lam.
 puniceus, L.
 " v. vimineus.
 prenanthoides, Muhl.
 Novae Angliae, L.
 ptarmicoides, T. & G. Niag. F.
 ERIGERON Canadense, L.
 bellidifolium, Muhl.
 Philadelphicum, L.
 annuum, Pers.
 strigosum, Muhl.
 DIPLOPAPPUS umbellatus, T. & G.
 SOLIDAGO squarrosa, Muhl. Rochester.
 bicolor, L.
 latifolia, L.
 cæsia, L.
 arguta, Ait.
 " v. juncea.
 Muhlenbergii, T. & G.
 altissima, L.
 nemoralis, Ait.
 Canadensis, L.
 " v. procera.
 serotina, Ait.
 gigantea, Ait.
 lanceolata, L.
 INULA helenium, L.
 POLYMNIA Canadensis, L.
 MATRICARIA parthenium, L. *g. s.*
 balsamita, Willd. *g. s.*
 AMBROSIA trifida, L.
 artemisiaefolia, L.
 XANTHIUM strumarium, L.
 spinosum, L. *acc.*
 HELIOPSIS laevis, Pers.
 RUDBECKIA laciniata, L.
 hirta, L.
 HELIANTHUS annuus, L. *g. s.*
 strumosus, L.
 divaricatus, L.
 decapetalus, L.
 tuberosus, L. *g. s.*

COREOPSIS tinctoria, Nutt. *g. s.*
 trichosperma, Mx.
 BIDENS frondosa, L.
 connata, Muhl.
 cernua, L.
 chrysanthemoides, Mx.
 Beckii, Torrey.
 bipinnata, L.
 DYSODIA chrysanthemoides, Lag. *acc.*
 HELENIUM autumnale, L.
 MARUTA cotula, DC.
 ACHILLEA millefolium, L.
 LEUCANTHEMUM vulgare, Lam.
 TANACETUM vulgare, L.
 ARTEMISIA Canadensis, Mx.
 biennis, Willd.
 abrotanum, L. *g. s.*
 GNAPHALIUM decurrens, Ives.
 uliginosum, L.
 ANTENNARIA margaritacea, R. Brown.
 plantaginifolia, Hook.
 ERECTHITES vulgaris, L.
 SENECEO vulgaris, L.
 aureus, L.
 " *v. balsamitae.*
 CIRSIUM lanceolatum, Scop.
 discolor, Spreng.
 altissimum, Spreng. ?
 muticum, Mx. ?
 pumilum, Spreng.
 arvense, Scop.
 SILYBUM Marianum, Gaert. *g. s.*
 ONOPORDON acanthium, L. Jamestown. *nat.*
 LAPPA major, Gaert.
 CICHORIUM intybus, L.
 HIERACIUM Canadense, Mx.
 scabrum, Mx.
 Gronovii, L.
 venosum, L.
 paniculatum, L.
 NABALUS albus, Hook.
 altissimus, Hook.
 TARAXACUM dens-leonis, Desf.
 LACTUCA elongata, Muhl.
 MUGGEDITUM leucophæum, DC.
 SONCHUS oleraceus, L. *f. v.*
 asper, Vill. *f. v.*

LOBELIACEÆ.

LOBELIA cardinalis, L.
 syphilitica, L.
 inflata, L.
 Kalmii, L.

CAMPANULACEÆ.

CAMPANULA rotundifolia, L.
 aparinoides, Pursh.
 Americana, L.
 SPECULARIA perfoliata, A.DC.

ERICACEÆ.

GAY-LUSSACIA resinosa, T. & G.
 VACCINIUM oxycoccus, L. Chaut. Co.
 macrocarpon, Ait. Chaut. Co.
 stamineum, L.
 Pennsylvanicum, L.
 corymbosum, L.

ARCTOSTAPHYLOS uva-ursi, Spreng. Niag. F.
 EPIGAEA repens, L. Portage.
 GAULTHERIA procumbens, L.
 AZALEA nudiflora, L. Portage.
 PYROLA rotundifolia, L. Niag. F.
 elliptica, Nutt.
 chlorantha, Swartz. Niag. F.
 secunda, L.
 MONESES uniflora, Gray.
 CHIMAPHILA umbellata, Nutt.
 maculata, Pursh.
 PTEROSPORA andromedea, Nutt. Niag. F.
 Portage.
 MONOTROPA uniflora, L.
 hypopitys, L.

AQUIFOLIACEÆ.

ILEX verticillata, Gray.
 NEMOPANTHES Canadensis, DC.

PLANTAGINACEÆ.

PLANTAGO major, L.
 Rugelii, Dec. ?
 lanceolata, L.

PRIMULACEÆ.

TRIENTALIS Americana, Pursh.
 LYSIMACHIA stricta, Ait.
 quadrifolia, L. Portage.
 ciliata, L.
 longifolia, Pursh.
 NAUMBURGIA thyrsiflora, Reich.
 ANAGALLIS arvensis, L. *g. v.*
 SAMOLUS valerandi, L.

LENTIBULACEÆ.

UTRICULARIA vulgaris, L.

BIGNONIACEÆ.

CATALPA bignonioides, Walt. *cult.*
 MARTYNIA proboscidea, Glox. *g. s.*

OROBANCHACEÆ.

EPIPHEGUS Virginiana, Bart.
 CONOPHOLIS Americana, Wallr.
 APHYLLON uniflorum, T. & G.

SCROPHULARIACEÆ.

VERBASCUM thapsus, L.
 blattaria, L.
 LINARIA vulgaris, Mill.
 SCROPHULARIA nodosa, L.
 CHELONE glabra, L.
 PENTSTEMON pubescens, Solander.
 MIMULUS ringens, L.
 alatus, Ait.
 GRATIOLA Virginiana, L.
 ILYSANTHES gratioides, Benth.
 VERONICA Virginica, L. Portage.
 Americana, Schwein.
 scutellata, L.
 officinalis, L.
 serpyllifolia, L.
 peregrina, L.
 arvensis, L.

GERARDIA purpurea, L.
 tenuifolia, Vahl.
 flava, L.
 quercifolia, Pursh.
 pedicularia, L. Rochester.
 CASTILLEJA coccinea, Spreng.
 PEDICULARIS Canadensis, L.
 lanceolata, Mx.
 MELAMPYRUM Americanum, Mx.

ACANTHACEÆ.

DIANTHERA Americana, L.

VERBENACEÆ.

VERBENA hastata, L.
 urticifolia, L.
 PHRYMA leptostachya, L.

LABIATÆ.

TEUCRIUM Canadense, L.
 MENTHA viridis, L.
 piperita, L.
 Canadensis, L.
 LYCOPUS Virginicus, L.
 Europæus, L.
 PYCNANTHEMUM incanum, Mx. Portage.
 lanceolatum, Pursh.
 CALAMINTHA glabella, Benth. v. Nuttallii,
 Gray.
 clinopodium, Benth.
 MELISSA officinalis, L. g. s.
 HEDEOMA pulegioides, Pers.
 COLLINSONIA Canadensis, L.
 MONARDA didyma, L.
 fistulosa, L.
 BLEPHILIA hirsuta, Benth. Richfield, Otsego
 County.
 LOPHANTHUS nepetoides, Benth.
 scrophulariaefolius, Benth.
 NEPETA cataria, L.
 glechoma, Benth.
 DRACOCEPHALUM parviflorum, Nutt.
 PHYSTOSTEGIA Virginiana, Benth.
 BRUNELLA vulgaris, L.
 SCUTELLARIA parvula, Mx.
 galericulata, L.
 lateriflora, L.
 MARRUBIUM vulgare, L.
 GALEOPSIS tetrahit, L.
 STACHYS palustris, L., v. aspera.
 LEONURUS cardiaca, L.
 LAMIAM amplexicaule, L.

BORRAGINACEÆ.

ECHIAM vulgare, L. Niag. F.
 SYMPHYTUM officinale, L.
 ONOSMODIUM Carolinianum, DC.
 LITHOSPERMUM arvense, L.
 officinale, L. Niag. F.
 latifolium, Mx.
 hirtum, Lehm.
 MERTENSIA Virginica, DC.
 MYOSOTIS palustris, With.
 verna, Nutt.
 ECINOSPERMUM lappula, Lehm.

CYNOGLOSSUM officinale, L.
 Virginicum, L. Salamanca.
 Morrisoni, DC.

HYDROPHYLLACEÆ.

HYDROPHYLLUM Virginicum, L.
 Canadense, L.

POLEMONIACEÆ.

POLEMONIUM reptans, L.
 PHLOX paniculata, L. Richfield, Otsego Co.
 divaricata, L.

CONVOLVULACEÆ.

IPOMOEA purpurea, Lam. g. s.
 pandurata, Meyer.
 CONVOLVULUS arvensis, L.
 CALYSTEGIA sepium, R. Br.
 spithamea, Pursh. Rare.
 CUSCUTA epilinum, Weihe.
 Gronovii, Willd.

SOLANACEÆ.

SOLANUM dulcamara, L.
 nigrum, L.
 Carolinense, L. acc.
 LYCOPERSICON esculentum, Mill. g. s.
 PHYSALIS Philadelphica, Lam. acc.
 viscosa, L.
 NICANDRA physaloides, Gaert. g. w.
 HYOSCYAMUS niger, L. Nat.
 DATURA stramonium, L.

GENTIANACEÆ.

FRASERA Carolinensis, Walt.
 GENTIANA quinqueflora, Lam.
 crinita, Froel.
 detonsa, Fries.
 Andrewsii, Griseb.
 " v. albiflora.
 MENYANTHES trifoliata, L. Chaut. Co.

APOCYNACEÆ.

APOCYNUM androsaemifolium, L.
 cannabinum, L.

ASCLEPIADACEÆ.

ASCLEPIAS cornuti, Dec.
 phytolaccoides, Pursh.
 quadrifolia, Jacq. Niag. F.
 incarnata, L.
 tuberosa, L.
 verticillata, L. Niag. F.

OLEACEÆ.

LIGUSTRUM vulgare, L. Hedges.
 FRAXINUS Americana, L.
 sambucifolia, Lam.

ARISTOLOCHIACEÆ.

ASARUM Canadense, L.

PHYTOLACCACEÆ.

PHYTOLACCA decandra, L.

CHENOPODIACEÆ.

CORISPERMUM hyssopifolium, L.

CHENOPODIUM hybridum, L.
urbicum, L., v. rhombifolium.
album, L.
glaucum, L. Salina; Albany.
botrys, L.
ambrosioides, L.

BLITUM capitatum, L.

ATRIPLEX hastata, L. Salina.

SALICORNIA herbacea, L. Salina.

AMARANTACEÆ.

AMARANTUS retroflexus, L.

albus, L.

polygonoides, L. Albany.

POLYGONACEÆ.

POLYGONUM orientale, L. g. s.

amphibium, L.

nodosum, Pers., v. incarnatum.

Pennsylvanicum, L.

Persicaria, L.

hydropiper, L.

acre, H. B. K.

hydropiperoides, Mx.

aviculare, L.

erectum, L.

Virginianum, L.

arifolium, L.

sagittatum, L.

convolvulus, L.

dumetorum, L.

FAGOPYRUM esculentum, Mœnch.

RUMEX verticillatus, L.

hydrolapathum, Huds., v. Americanum.

obtusifolius, L.

crispus, L.

sanguineus, L.

acetosella, L.

LAURACEÆ.

SASSAFRAS officinale, Nees.

BENZOIN odoriforum, Nees.

THYMELEACEÆ.

DIRCA palustris.

ELÆAGNACEÆ.

SHEPHERDIA Canadensis, Nutt.

SANTALACEÆ.

COMANDRA umbellata, Nutt.

SAURURACEÆ.

SAURURUS cernuus, L.

CALLITRICHACEÆ.

CALLITRICHE verna, L.

" v. terrestris.

autumnalis, L.

EUPHORBIACEÆ.

EUPHORBIA polygonifolia, L.

maculata, L.

hypericifolia, L.

helioscopia, L.

platyphylla, L.

lathyris, L. Silver Creek, nat

ACALYPHA Virginica, L.

URTICACEÆ.

ULMUS fulva, Mx.

Americ. na, L.

racemosa, Thomas.

MORUS rubra, L. Niag. F.

alba, L. Cult.

URTICA gracilis, Ait.

LAPORTEA Canadensis, Gaud.

PILEA pumila, Gray.

BOEHMERIA cylindrica, Willd.

CANNABIS sativa, L.

HUMULUS lupulus, L.

PLATANACEÆ.

PLATANUS occidentalis, L.

JUGLANDACEÆ.

JUGLANS cinerea, L.

nigra, L.

CARYA alba, Nutt.

glabra, Torr.

amara, Nutt.

CUPULIFERÆ.

QUERCUS macrocarpa, Mx.

alba, L.

castanea, Willd.

FAGUS ferruginea, Ait.

CORYLUS Americana, Walt.

rostrata, Ait.

CASTANEA vesca, L.

CARPINUS Virginica, Willd.

MYRICACEÆ.

MYRICA gale, L.

COMPTONIA asplenifolia, Ait. Olean.

BETULACEÆ.

BETULA alba, v. populifolia, Spack.

papyracea, Ait. Youngstown.

excelsa, Ait.

lenta, L.

ALNUS incana, Willd.

SALICACEÆ.

SALIX petiolaris, Smith.

nigra, Marsh.

lucida, Muhl.

Babylonica, Tourn. cult.

alba, L. cult.

viminalis, L. cult.

POPULUS tremuloides, Mx.

grandidentata, Mx.

monilifera, Ait.

HORDEUM distichum, C. c. s.
vulgare, L.
SECALE cereale, L. c. s.
ELYMUS Virginicus, L.
Canadensis, L.
striatus, Willd.
GYMNOSTICHUM hystrix, Schreb.
AIRA flexuosa, L.
caespitosa, L., v. aristulata, Torr.
DANTHONIA spicata, Beauv.
AVENA sativa, L.
PHALARIS arundinacea, L.
MILIUM effusum, L.
PANICUM glabrum, Gaudin.
sanguinale, L.
capillare, L.
virgatum, L.
latifolium, L.
dichotomum, L.
depauperatum, Muhl.
crus galli, L.
xalapense? c. s.
SETARIA glauca, Beauv.
viridis, Beauv.
Italica, Kunth. c. s.
ANDROPOGON furcatus, Muhl.
scoparius, Mx. Niag. F.
SORGHUM nutans, Gray.

EQUISETACEÆ.

EQUISETUM arvense, L.
sylvaticum, L.
limosum, L.
palustre, L.
hyemale, L.
variegatum, Schl.

FILICES.

POLYPODIUM vulgare, L. Niag. F.
phegopteris, L. Rock City.
hexagonopterum, Mx.

STRUTHIOPTERIS Germanica, Willd.
ALLOSORUS atropurpureus, Gray. Niag. F.
PTERIS aquilina, L.
ADIANTUM pedatum, L.
CAMPTOSORUS rhizophyllus, Link.
SCOLOPENDRIUM officinarum, Swartz. Chit-
tenango Falls.
ASPLENIUM trichomanes, L. Niag. F.
ebeneum, Ait. Lewiston.
thelypteroides, Mx.
filix-foemina, R. Brown.
DICKSONIA pilosiuscula, Willd.
CYSTOPTERIS bulbifera, Bernh.
fragilis, Bernh.
ASPIDIUM thelypteris, Swartz.
Noveboracense, Willd.
spinulosum, Swartz.
cristatum, Swartz.
marginale, Swartz.
" v. incisum.
ONOCLEA sensibilis, L.
OSMUNDA regalis, L.
Claytoniana, L.
cinnamomea, L.
BOTRYCHIUM lunarioides, Swartz.
" v. obliquum.
" v. dissectum.
Virginicum, Swartz.

LYCOPODIACEÆ.

LYCOPODIUM lucidulum, Mx.
dendroideum, Mx.
clavatum, L.
SELAGINELLA apus, Spring. Niag. F.

HYDROPTERIDES.

AZOLLA Caroliniana, Willd. Rochester.

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