

CONTRIBUTIONS TO THE FLORA OF HANCOCK  
COUNTY, ILLINOIS

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The following paper is the result of the author's study of the flora of Illinois as exemplified in Hancock County, during 1916, 1917 and 1918. It is obvious that this list of over 650 species is not complete, but it is thought desirable to have it in printed form so that it will be available for the use of others studying the flora of Illinois. The collections that were made are at present distributed among the herbaria of Carthage College, the Field Museum of Natural History, the University of Illinois and the Missouri Botanical Garden.

Hancock County is located in the west central part of Illinois, bordering the Mississippi River. For the most part, the county is upland covered over with glacial till. It is dissected by various streams, several of which rise in the county. The largest is Crooked River, a stream of perhaps 40 feet in width with steep muddy banks, normally bordered by lowland woods.

The soil is a heavy black loam over most of the county, the conspicuous variation being in the bottom lands along the Mississippi River south of Warsaw and in the vicinity of Dallas City where sandy and gravelly deposits have been made in recent times by the river. Between Warsaw and Hamilton, limestone comes to the surface in bluffs. These possess excellent fossiliferous layers.

At the time white men came into the county, most of it was vegetated by prairie except in spots along the streams more or less protected from fire, where woodland of the central deciduous hardwood forest province type was present. At the present time most of the prairie land is under cultivation except for patches here and there along fence rows, in corners and along railroad tracks. Such prairies as do exist are most frequently characterized by the big bluestem (*Andropogon furcatus*). The forested areas are practically limited to along streams, where however they are tending to increase markedly both in density and extent, due in part

to protection from fire and the policy of maintaining river bank areas in forests to prevent active erosion into fields which would otherwise result. The forest, in the most suitable places, such as along the Mississippi River, contains sugar maple, pawpaw, Kentucky coffee tree, and basswood, expressive of the high type of development. Along the other water courses, the elm-soft-maple group of trees is normally present except in those newer invaded areas where willows are more usual. The woods that occur on the uplands, bordering streams and sometimes extending down the slopes to the flood plains, belong to the oak-hickory type.

In the list following, the nomenclature is essentially that of Britton & Brown's "Illustrated Flora", 2nd edition, except in the grasses where Hitchcock's "Genera of Grasses of the United States" Bull. 772, U. S. D. A. is used. The names and arrangement of families is that of Bessey's exemplification of the Natural System of classification.

Plants present only in cultivation are marked with an asterisk (\*).

- Phylum PTERIDOPHYTA. \* Thuja orientalis.  
 OSMUNDACEAE (*Royal Fern Family*). \* Thuja occidentalis.  
 \* Osmunda claytoniana. Juniperus virginiana.
- POLYPODIACEAE (*Fern Family*).  
 \* Matteuccia struthiopteris.  
 Polystichum acrostichoides.  
 Dryopteris sp.  
 Adiantum pedatum.
- Phylum CALAMOPHYTA.  
 EQUISETACEAE (*Horsetail Family*).  
 Equisetum arvense.  
 Equisetum sp.
- Phylum CYCADOPHYTA.  
 GINKGOACEAE.  
 \* Ginkgo biloba.
- Phylum STROBILOPHYTA.  
 PINACEAE (*Pine Family—in a broad sense*).  
 \* Pinus strobus.  
 \* Pinus sylvestris.  
 \* Pinus laricio.  
 \* Picea canadensis.  
 \* Picea parryana.  
 \* Picea abies.  
 \* Abies balsamea.  
 \* Tsuga canadensis.
- Phylum ANTHOPHYTA.  
 MONOCOTYLEDONEAE.  
 ALISMATACEAE (*Water-plantain Family*).  
 Alisma subcordatum.  
 Sagittaria latifolia.
- TYPHACEAE (*Cattail Family*).  
 Typha latifolia.
- LILIACEAE (*Lily Family*).  
 Hemerocallis fulva.  
 Allium cernuum.  
 \* Allium spp.  
 Allium canadense.  
 Erythronium americanum.  
 Erythronium albidum.  
 Quamasia hyacinthina.  
 Ornithogalum umbellatum.  
 \* Yucca filamentosa.  
 Asparagus officinalis.  
 Vagnera racemosa.  
 Vagnera stellata.  
 Uvularia grandiflora.  
 Polygonatum commutatum.  
 \* Convallaria majalis.  
 Trillium recurvatum.

Trillium nivale.  
Smilax herbacea.

COMMELINACEAE (*Spiderwort Family.*)

Commelina sp.  
Tradescantia reflexa.  
Tradescantia pilosa.

JUNCEACEAE (*Rush Family.*)

Juncus tenuis.  
Juncoides campestre.

ARACEAE (*Arum Family.*)

Arisaema triphyllum.  
Arisaema dracontium.

LEMNACEAE (*Duckweed Family.*)

Spirodela polyrhiza.  
Lemna trisulca  
Lemna minor.  
Wolffia columbiana.

CYPERACEAE (*Sedge Family.*)

Cyperus strigosus.  
Eleocharis acuminata.  
Scirpus validus.  
Scirpus fluviatilis.  
Scirpus lineatus.  
Scleria triglomerata.  
Carex pennsylvanica.  
Carex blanda.  
Carex spp.

POACEAE (*Grass Family.*)

Bromus tectorum.  
Bromus ciliatus.  
Bromus inermis.  
Bromus kalmii.  
Bromus secalinus.  
Festuca octoflora.  
Festuca ovina.  
Festuca sp.  
Panicularia nervata.  
Poa annua.  
Poa pratensis.  
Poa sylvestris.  
Poa compressa.  
Poa sp.  
Eragrostis frankii.  
Eragrostis purshii.  
Eragrostis cilianensis.  
Eragrostis pectinacea.  
Eragrostis hypnoides.  
Diarina festucoides.  
Dactylis glomerata.  
Agropyron repens.  
Triticum aestivum  
Secale cereale.  
Elymus virginicus.  
Elymus canadensis.  
Elymus striatus.

Hystrix hystrix.  
Hordeum nodosum.  
Hordeum jubatum.  
Lolium perenne.  
Koeleria cristata.  
Avena sativa.  
Agrostis palustris.  
Agrostis hyemalis.  
Alopecurus geniculatus.  
Phleum pratense.  
Muhlenbergia schreberi.  
Muhlenbergia mexicana.  
Muhlenbergia sp.  
Sporobolus heterolepis.  
Sporobolus spp.  
Aristida spp.  
Eleusine indica.  
\* Capriola dactylon.  
Spartina michauxiana.  
Bouteloua hirsuta.  
Bouteloua curtipendula.  
Homalocenchrus virginicus.  
Homalocenchrus oryzoides.  
Syntherisma sanguinale.  
Panicum dichotomiflorum.  
Panicum capillare.  
Panicum miliaceum.  
Panicum virgatum.  
Panicum agrostoides.  
Panicum scribnerianum.  
Panicum latifolium.  
Panicum spp.  
Echinochloa crusgalli.  
Chaetochloa verticillata.  
Chaetochloa lutescenes.  
Chaetochloa viridis.  
Chaetochloa italica.  
Cenchrus pauciflorus.  
\* Miscanthus sinensis.  
Andropogon scoparius.  
Andropogon furcatus.  
Holcus halepensis.  
Holcus sorghum.  
Sorghastrum nutans.  
Tripsacum dactyloides.  
Zea mays.  
\* Coix lachryma-jobi.

AMARYLLIDACEAE (*Amaryllis Family.*)

\* Nracissus pseudo-narcissus.  
Hypoxis hirsuta.

IRIDACEAE (*Iris Family.*)

Iris versicolor.  
\* Iris germanica.  
Sisyrinchium albidum.

DIOSCOREACEAE (*Yam Family.*)

Dioscorea villosa.

CANNACEAE (*Canna Family.*)

\* Canna spp.

ORCHIDACEAE (*Orchid Family.*)  
 Cypripedium parviflorum.  
 Ibibium sp.  
 Aplectrum hyemale.

DICOTYLEDONEAE-AXIFLORAE.

MAGNOLIACEAE (*Magnolia Family.*)  
 \* Magnolia sp.  
 \* Liriodendron tulipifera.

ANONACEAE.

Asimina triloba.

RANUNCULACEAE (*Crowfoot or Buttercup Family.*)

Hydrastis canadensis.  
 Isopyrum biternatum.  
 Actaea alba.  
 Aquilegia canadensis.  
 Delphinium tricorne.  
 Anemone canadensis.  
 Hepatica acutiloba.  
 Syndesmon thalictroides.  
 Ranunculus abortivus.  
 Ranunculus sceleratus.  
 Ranunculus recurvatus.  
 Ranunculus acris.  
 Ranunculus septentrionalis.  
 Batrachium trichophyllum.  
 Thalictrum dioicum.  
 Thalictrum sp.  
 Clematis virginiana.

BERBERIDACEAE (*Barberry Family.*)

\* Berberis vulgaris.  
 \* Berberis thunbergii.  
 Caulophyllum thalictroides.  
 Podophyllum peltatum.

MENISPERMACEAE (*Moonseed Family.*)

Menispermum canadense.

LAURACEAE (*Laurel Family.*)

Sassafras sassafras.  
 Benzoin aestivale.

MALVACEAE (*Mallow Family.*)

Althaea rosea.  
 Malva rotundifolia.  
 Callirhoe involucrata.  
 Sida spinosa.  
 Abutilon abutilon.  
 Hibiscus trionum.

TILLACEAE (*Basswood Family.*)

Tilia americana.  
 Tilia heterophylla.

ULMACEAE (*Elm Family.*)

Ulmus americana.  
 Ulmus fulva.

Planera aquatica.  
 Celtis occidentalis.

MORACEAE (*Mulberry Family.*)

Morus rubra.  
 Morus alba.  
 Toxylon pomiferum.  
 Humulus lupulus.  
 Cannabis sativa.

URTICACEAE (*Nettle Family.*)

Urtica gracilis.  
 Urticastrum divaricatum.  
 Pilea pumila.  
 Parietaria pennsylvanica.

GERANIACEAE (*Geranium Family.*)  
 Geranium maculatum.

OXALIDACEAE (*Oxalis Family.*)

Oxalis violacea.  
 Oxalis stricta.  
 Oxalis cymosa.

BALSAMINACEAE (*Jewel-Weed Family.*)

Impatiens biflora.  
 Impatiens pallida.

LIMNANTHACEAE (*False Mermaid Family.*)

Floerkea proserpinacoides.

LINACEAE (*Flax Family.*)

Linum usitatissimum.  
 Linum sp.

ZYGOPHYLLACEAE (*Caltrop Family.*)

Tribulus terrestris.

RUTACEAE (*Rue Family.*)

Zanthoxylum americanum.  
 Ptelea trifoliata.

SIMARUBACEAE (*Ailanthus Family.*)

Ailanthus glandulosa.

POLYGALACEAE (*Milkwort Family.*)

Polygala viridescens.

EUPHORBIACEAE (*Spurge Family.*)

Croton glandulosus.  
 Croton monanthogynus.  
 Croton texensis.  
 Crotonopsis linearis.  
 Acalypha virginica.  
 Ricinus communis.  
 Chamaesyce geayeri.  
 Chamaesyce maculata.  
 Chamaesyce preslii.  
 \* Dichrophyllum marginatum.  
 Tithymalopsis corollata.  
 Tithymalus cyparissias.  
 Poinsettia heterophylla.

HYPERICACEAE (*St. John's-Wort*)  
Family.)*Hypericum mutilum.*VIOLACEAE (*Violet Family.*)

*Viola pedata.*  
*Viola papilionacea.*  
*Viola sororia.*  
*Viola sagittata.*  
*Viola pedatifida.*  
*Viola eriocarpa.*  
*Viola pubescens.*  
*Viola rafinesquii.*

PAPAVERACEAE (*Poppy Family.*)

*Argemone alba.*  
*Sanguinaria canadensis.*  
*Chelidonium majus.*  
*Bicuculla cucullaria.*  
 \* *Bicuculla eximia.*  
*Adlumia fungosa.*  
*Capnoides micranthum.*

NYMPHAEACEAE (*Water-Lily*  
Family.)*Nymphaea advena.*CAPPARIDACEAE (*Caper Family.*)

*Cleome* sp?  
*Polanisia graveolens.*

BRASSICACEAE (*Mustard Family.*)

*Draba caroliniana.*  
*Koniga maritima.*  
*Camelina sativa.*  
*Bursa bursa-pastoris.*  
*Radicula palustris.*  
*Radicula* sp?  
*Armoracia armoracia.*  
*Lepidium campestre.*  
*Lepidium virginicum.*  
*Thlaspi arvense.*  
*Sophia incisa.*  
*Erysimum officinale.*  
*Norta altissima.*  
*Conringa orientalis.*  
*Barbarea* sp?  
*Arabis* sp.  
*Cardamine* sp?  
*Dentaria laciniata.*  
*Sinapie alba.*  
*Sinapis arvensis.*  
*Brassica nigra.*  
*Brassica campestris.*  
*Raphanus sativus.*

CARYOPHYLLACEAE (*Pink Family.*)

*Alsine media.*  
*Cerastium vulgatum.*  
*Cerastium longipedunculatum.*  
*Moehringia lateriflora.*  
*Agrostemma githago.*

*Silene antirrhina.*  
*Lychnis alba.*  
*Saponaria officinalis.*

PORTULACACEAE (*Purslane Family.*)

*Claytonia virginica.*  
*Portulaca oleracea.*  
*Portulaca grandiflora.*

AIZOACEAE (*Carpet-Weed Family.*)*Mollugo verticillata.*SALICACEAE (*Willow Family.*)

*Populus alba.*  
*Populus tremuloides.*  
*Populus italica.*  
*Populus deltoides.*  
*Salix nigra.*  
*Salix interior.*  
*Salix discolor.*  
*Salix tristis.*  
*Salix spp.*

PHYTOLACCACEAE (*Pokeweed*  
Family.)*Phytolacca americana.*AMARANTHACEAE (*Amaranth*  
Family.)

*Amaranthus retroflexus.*  
*Amaranthus hybridus.*  
*Amaranthus spinosus.*  
*Amaranthus graecizans.*  
*Acnida tamariscina.*

CHENOPODIACEAE (*Goosefoot*  
Family.)

*Chenopodium album.*  
*Chenopodium ambrosioides.*  
*Chenopodium* spp.  
*Cycloloma atriplicifolium.*  
*Atriplex hastata.*  
*Salsola pestifer.*

POLYGONACEAE (*Buckwheat Family.*)

*Rumex acetosella.*  
*Rumex mexicanus.*  
*Rumex altissimus.*  
*Rumex crispus.*  
*Rumex obtusifolius.*  
*Polygonum aviculare.*  
*Tovara virginiana.*  
*Persicaria amphibia.*  
*Persicaria muhlenbergii.*  
*Persicaria lapathifolia.*  
*Persicaria pennsylvanica.*  
*Persicaria persicaria.*  
*Persicaria punctata.*  
 \* *Persicaria orientalis.*  
*Tracaulon sagittatum.*  
*Tiniaria convolvulus.*  
*Tiniaria scandens.*

NYCTAGINACEAE (*Four-o'clock  
Family.*)

Allionia linearis.  
Allionia nyctaginea.

PRIMULACEAE (*Primrose Family.*)

Androsace occidentalis.  
Steironema ciliatum.  
Dodecatheon meadia.

PLANTAGINACEAE (*Plantain Family.*)

Plantago major.  
Plantago rugelii.  
Plantago lanceolata.  
Plantago aristata.  
Plantago virginica.

ERICACEAE (*Ericad Family.*)

Monotropa uniflora.

EBENACEAE (*Ebony Family.*)

Diospyros virginiana.

POLEMONIACEAE (*Phlox Family.*)

Phlox pilosa.  
Phlox divaricata.  
Polemonium reptans.

CONVOLVULACEAE (*Morning-Glory  
Family.*)

\* Quamoclit quamoclit.  
Ipomoea pandurata.  
Ipomoea purpurea.  
Ipomoea hederacea.  
Convolvulus sepium.  
Convolvulus arvensis.  
Cuscuta paradoxa.

HYDROPHYLLACEAE (*Water-leaf  
Family.*)

Hydrophyllum virginianum.  
Hydrophyllum appendiculatum.  
Nyctelea nyctelea.

BORAGINACEAE (*Borage Family.*)

Cynoglossum officinale.  
Lappula virginiana.  
Mertensia virginica.  
Lithospermum arvense.  
Lithospermum latifolium.  
Lithospermum carolinense.  
Lithospermum linearifolium.  
Onosmodium hispidissimum  
macrospERMUM.

SOLANACEAE (*Potato Family.*)

Physalis virginiana.  
Solanum nigrum.  
Solanum carolinense.  
Solanum rostratum.  
Solanum dulcamara.  
\* Solanum tuberosum.

\* Lycopersicon lycopersicon.  
Lycium halimifolium.  
Datura stramonium.  
\* Petunia violacea.

OLEACEAE (*Olive Family.*)

\* Syringa vulgaris.  
\* Syringa persica.  
Fraxinus americana.  
Fraxinus pennsylvanica.  
Fraxinus quadrangulata.  
Forestiera acuminata.  
\* Ligustrum vulgare.

GENTIANACEAE (*Gentian Family.*)

Dasystephana puberula.

APOCYNACEAE (*Dogbane Family.*)

Vinca minor.  
Apocynum androsaemifolium.  
Apocynum sp?

ASCLEPIADACEAE (*Milkweed Family.*)

Asclepias tuberosa.  
Asclepias incarnata.  
Asclepias sullivantii.  
Asclepias exaltata.  
Asclepias syriaca.  
Asclepias verticillata.  
Acerates floridana.

SCROPHULARIACEAE (*Figwort  
Family.*)

Verbascum thapsus.  
Verbascum blattaria.  
Linaria linaria.  
\* Antirrhinum majus.  
Scrophularia marylandica.  
Scrophularia leporella.  
Pentstemon sp?  
Collinsia verna.  
Mimulus ringens.  
Conobea multifida.  
Ilysanthes dubia.  
Veronica peregrina.  
Veronica arvensis.  
Leptandra virginica.  
Castilleja sp?  
Agalinis skinneriana.

BIGNONIACEAE (*Trumpet-creeper  
Family.*)

Bignonia radicans.  
\* Catalpa speciosa.

ACANTHACEAE (*Acanthus Family.*)

Ruellia strepens.

PHRYMACEAE (*Lopseed Family.*)

Phryma leptostachya.

VERBENACEAE (*Vervain Family.*)

Verbena urticifolia.  
Verbena hastata.

Verbena angustifolia.  
Verbena stricta.  
Verbena bracteosa.  
Lippia lanceolata.

LAMIACEAE (LABIATAE)  
(Mint Family.)

Teucrium canadense.  
Teucrium occidentale.  
Scutellaria cordifolia.  
Scutellaria parvula.  
Agastache nepetoides.  
Nepeta cataria.  
Glecoma hederacea.  
Prunella vulgaris.  
Dracocephalum formosior.  
Leonurus cardiaca.  
Stachys tenuifolia.  
Salvia pitcheri.  
Monarda mollis.  
Hedeoma pulegioides.  
Clinopodium sp?  
Koellia virginiana.  
Lycopus americanus.  
Mentha piperita.

DICOTYLEDONEAE-CALYCIFLORAE.

ROSACEAE (Rose Family.)

Potentilla canadensis.  
Potentilla monspeliensis.  
Fragaria grayana.  
Fragaria virginiana.  
\* Fragaria sp.  
Drymocallis agrimonioides.  
Agrimonia gryosepala.  
Geum spp?  
Rubus strigosus.  
Rubus spp.  
Rosa spp.

MALACEAE (Apple Family.)

Pyrus communis.  
Malus coronaria.  
Malus ioensis.  
\* Malus malus.  
Amelanchier sp?  
Crataegus crugalli.  
Crataegus spp.

PRUNACEAE (Peach or Plum Family.)

Prunus americana.  
Prunus spp.  
Amygdalus persica.

CASSIACEAE (Senna Family.)

Cercis canadensis.  
Cassia medsgeri.  
Chamaecrista nictitans.  
Chamaecrista fasciculata.  
Gleditsia triacanthos.  
Gymnocladus dioica.

FABACEAE (Pea Family.)

Baptisia leucantha.  
Baptisia sp.  
Medicago sativa.  
Medicago lupulina.  
Melilotus alba.  
Melilotus officinalis.  
Trifolium pratense.  
Trifolium hybridum.  
Trifolium repens.  
Amorpha canescens.  
Petaloestemum candidum.  
Petaloestemum purpureum.  
Cracca virginiana.  
Robinia pseudoacacia.  
\* Robinia hispida.  
Meibomia grandiflora.  
Meibomia bracteosa.  
Meibomia spp.  
Lespedeza capitata.  
Lathyrus sp?  
Glycine apios.  
Falcata comosa.  
Strophostyles helvola.

SAXIFRAGACEAE (Saxifrage Family.)

Penthorum sedoides.  
Heuchera hispida.  
Mitella diphylla.

GROSSULARIACEAE (Gooseberry Family.)

Ribes cynosbati.  
Ribes missouriensis.

CRASSULACEAE (Orpine Family.)

\* Sedum triphyllum.

HAMAMELIDACEAE (Witch-Hazel Family.)

\* Liquidambar styraciflua.

PLATANACEAE (Plane-tree Family.)

Platanus occidentalis.

LYTHRACEAE (Loosestrife Family.)

Parsonsia petiolata.

OENOTHERACEAE (Evening-primrose Family.)

Isnardia palustris.  
Epilobium sp.  
Oenothera biennis.  
Gaura parviflora.  
Gaura biennis.  
Circaea lutetiana.

HALORRHAGIDACEAE (Water Milfoil Family.)

Myriophyllum sp.

- ARISTOLOCHIACEAE (*Birthwort Family.*)  
 Asarum canadense.  
 Asarum acuminatum.
- CUCURBITACEAE (*Gourd Family.*)  
 Micrampelis lobata.  
 Sicyos angulatus.  
 \* Citrullus citrullus.
- RHAMNACEAE (*Buckthorn Family.*)  
 Ceanothus americanus.  
 Ceanothus ovatus.
- VITACEAE (*Grape Family.*)  
 Vitis vulpina.  
 Vitis sp.  
 Ampelopsis cordata.  
 Parthenocissus quinquefolia.
- CELASTRACEAE (*Staff-tree Family.*)  
 Euonymus atropurpureus.  
 Euonymus sp.  
 Celastrus scandens.
- STAPHYLEACEAE (*Bladder-nut Family.*)  
 Staphylea trifolia.
- THYMELEACEAE (*Mezereum Family.*)  
 Dirca palustris.
- SANTALACEAE (*Sandelwood Family.*)  
 Comandra umbellata.
- HIPPOCASTANACEAE (*Buckeye Family.*)  
 \* Aesculus hippocastanum.  
 Aesculus glabra.
- ACERACEAE (*Maple Family.*)  
 Acer saccharinum.  
 \* Acer platanoides.  
 Acer saccharum.  
 Acer nigrum.  
 Acer negundo.
- ANACARDIACEAE (*Sumac Family.*)  
 Rhus copallina.  
 Rhus hirta.  
 Rhus glabra.  
 Rhus trilobata.  
 Rhus radicans.  
 \* Cotinus americanus.
- JUGLANDACEAE (*Walnut Family.*)  
 Juglans nigra.  
 Juglans cinerea.  
 Hicoria pecan.  
 Hicoria cardiformis.
- Hicoria ovata.  
 Hicoria alba.  
 Hicoria glabra.
- BETULACEAE (*Birch Family.*)  
 Ostrya virginiana.  
 Corylus americana.  
 \* Betula pendula.  
 Betula nigra.
- FAGACEAE (*Beech Family.*)  
 \* Castanea dentata.  
 Quercus rubra.  
 Quercus palustris.  
 Quercus velutina.  
 Quercus marilandica.  
 Quercus imbricaria.  
 Quercus alba.  
 Quercus macrocarpa.  
 Quercus bicolor.  
 Quercus sp.
- ARALIACEAE (*Ginseng Family.*)  
 Aralia racemosa.
- APIACEAE (*Carrot or Umbellifer Family.*)  
 Eryngium aquaticum.  
 Sanicula gregaria.  
 Daucus carota.  
 Washingtonia claytoni.  
 Washingtonia longistylis.  
 Chaerophyllum procumbens.  
 Deringa canadensis.  
 Pastinaca sativa.  
 Thaspium barbinode.  
 Taenidia integerrima.  
 Zizia aurea.  
 \* Apium petroselinum.  
 Eulophus americanus.  
 Sium cicutaeifolium.  
 Cicuta maculata.
- CORNACEAE (*Dogwood Family.*)  
 Cornus stolonifera.  
 Cornus florida.  
 Cornus spp.
- RUBIACEAE (*Madder Family.*)  
 Cephalanthus occidentalis.  
 Diodia teres.  
 Galium aparine.  
 Galium spp.
- CAPRIFOLIACEAE (*Honeysuckle Family.*)  
 Sambucus canadensis.  
 Viburnum prunifolium.  
 Triosteum aurantiacum.  
 Symphoricarpos symphoricarpos.  
 Symphoricarpos racemosus.  
 \* Lonicera sempervirens.  
 \* Lonicera tatarica.

CAMPANULACEAE (*Bellflower*  
*Family.*)

*Campanula americana.*  
*Specularia perfoliata.*  
*Lobelia cardinalis.*  
*Lobelia syphilitica.*  
*Lobelia spicata.*  
*Lobelia leptostachys.*  
*Lobelia inflata.*

"COMPOSITAE" Order ASTERALES.  
(*Composites.*)

## HELIANTHACEAE.

*Polymnia canadensis.*  
*Silphium perfoliatum.*  
*Silphium integrifolium.*  
*Silphium laciniatum.*  
*Silphium terebinthinaceum.*  
*Parthenium integrifolium.*  
*Heliopsis* sp?  
*Verbesina alba.*  
*Rudbeckia triloba.*  
*Rudbeckia subtomentosa.*  
*Rudbeckia hirta.*  
*Rudbeckia laciniata.*  
*Ratibida pinnata.*  
*Echinacea pallida.*  
*Helianthus annuus.*  
*Helianthus petiolaris.*  
*Helianthus subrhomboides.*  
*Helianthus occidentalis.*  
*Helianthus microcephalus.*  
*Helianthus maximiliani.*  
*Helianthus divaricatus.*  
*Helianthus mollis.*  
*Helianthus tuberosus.*  
*Helianthus* spp.  
*Ridan alternifolius.*  
*Coreopsis tripteris.*  
*Bidens comosa.*  
*Bidens frondosa.*  
*Bidens bipinnata.*  
*Bidens aristosa.*

## AMBROSIACEAE.

*Iva xanthiifolia.*  
*Ambrosia bidentata.*  
*Ambrosia trifida.*  
*Ambrosia elatior.*  
*Ambrosia psilostachya.*  
*Xanthium commune.*  
*Xanthium* sp?

## HELENIACEAE.

*Helenium autumnale.*  
*Boebera papposa.*

## INULACEA.

*Antennaria* spp.  
*Anaphalis margaritacea.*  
*Inula helenium.*

## ASTERACEAE.

*Grindelia squarrosa.*  
*Chrysopsis.*  
*Solidago ulmifolia.*  
*Solidago canadensis.*  
*Solidago rigida.*  
*Solidago ohioensis.*  
*Solidago* spp.  
*Euthamia graminifolia.*  
*Boltonia asteroides.*  
*Aster novae-angliae.*  
*Aster puniceus.*  
*Aster sericeus.*  
*Aster multiflorus.*  
*Aster* spp.  
*Erigeron philadelphicus.*  
*Erigeron annuus.*  
*Erigeron ramosus.*  
*Leptilon canadense.*  
*Leptilon divaricatum.*

## VERNONIACEAE.

*Vernonia fasciculata.*  
*Vernonia missurica.*

## EUPATORIACEAE.

*Eupatorium purpureum.*  
*Eupatorium perfoliatum.*  
*Eupatorium urticaefolium.*  
*Eupatorium coelestinum.*  
*Kuhnia eupatorioides.*  
*Lacinaria scariosa.*  
*Lacinaria spicata.*

## ANTHEMIDACEAE.

*Acillea millefolium.*  
*Anthemis cotula.*  
*Chrysanthemum leucanthemum.*  
*Chrysanthemum balsamita.*  
\* *Tanacetum vulgare.*  
*Artemisia annua.*  
*Artemisia vulgaris.*  
*Artemisia gnaphalodes.*  
*Artemisia* sp.

## SENECIONIDACEAE.

*Erechtites hieracifolia.*  
*Mesadenia atriplicifolia.*  
*Senecio* sp.

## CARDUACEAE.

*Arctium lappa.*  
*Arctium minus.*  
*Cirsium lanceolatum.*  
*Cirsium altissimum.*  
*Cirsium discolor.*  
*Cirsium hillii.*  
*Cirsium arvense.*  
*Cirsium* spp.  
\* *Centaurea cyanus.*

## LACTUCACEAE.

*Cichorium intybus*.  
*Krigia virginica*.  
*Tragopogon pratensis*.  
*Taraxacum vulgare*.  
*Taraxacum laevigatum*.

*Sonchus asper*.  
*Lactuca virosa*.  
*Lactuca canadensis*.  
*Lactuca villosa*.  
*Agoseris cuspidata*.  
*Nabalus* sp.