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[s.l.]: [s.n.], 1938-08-09

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Data inadequate.

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file.

JTC

1/54

Prairie Relic Study. III.

Section 1 Township 12 N Range 9 E County Columbia Place Swan Lake
Date 8/9/38 Observer J. T. Curtis
Habitat Description

Sandy, high to low - along R.R.

- | | | |
|------------------------|-----------------------|--------------------------|
| Achillea millefolium | Eryngium yuccif. | ✓ Petalostemum pur. |
| Ambrosia artemisiif. | ✓ Euphorbia corollata | ✓ Phlox pilosa |
| ✓ Amorpha canescens | Fragaria virginiana | Physalis heteroph. |
| ✓ Andropogon furcatus | Galium boreale | Physalis virginiana |
| ✓ Andropogon scoparius | Gentiana andrewsii | Potentilla arguta |
| Anemone cylindrica | ✓ Gentiana puberula | Potentilla canad. |
| Antennaria sp. | Geranium maculatum | Pycnanthemum virg. |
| Apocynum androsaemif. | Geum triflorum | Quercus macrocarpa |
| Apocynum cannabinum | Helianthemum sp. | Ratibida pinnata |
| Artemisia caudata | Helianthus grosse. | Rhus glabra |
| Asclepias syriaca | Helianthus occid. | Rosa sp. |
| Asclepias verticill. | ✓ Helianthus rigidus | Rudbeckia hirta |
| ✓ Aster azureus | ✓ Heuchera richard. | Silphium integrif. |
| ✓ Aster ericoides | ✓ Hypoxis hirsuta | Silphium laciniat. |
| Aster laevis | ✓ Koeleria cristata | Silphium terebinth. |
| Aster novae-angliae | Kuhnia eupatorioid. | ✓ Sisyrinchium sp. |
| ✓ Aster sericeus | Lactuca canadensis | Smilacina stellata |
| Baptisia leucantha | Lactuca ludoviciana | Solidago graminifolia |
| ✓ Baptisia leucophaca | ✓ Lathyrus venosus | Solidago missouriensis |
| ✓ Bouteloua curtipend. | Lespedeza capitata | Solidago nemoralis |
| Calamagrostis canad. | ✓ Liatris aspera | ✓ Solidago rigida |
| Ceanothus americanus | Liatris cylindracea | Solidago speciosa |
| Cirsium discolor | Liatris pycnostachya | Sorghastrum nutans |
| Comandra umbellata | Lithospermum angust. | Spartina pectinata |
| Convolvulus sepium | ✓ Lithospermum canes. | Spiraea alba |
| ✓ Coreopsis palmata | Lobelia spicata | Sporobolus heterolepis |
| Corylus americana | Monarda fistulosa | Stipa spartea |
| Desmodium canadense | Oenothera biennis | Thalictrum dasycarpum |
| Desmodium illinoense | Oxypolis rigidior | ✓ Tradescantia ohioensis |
| Dodecatheon meadia | Panicum leibergii | Veronicastrum virgin. |
| Elymus canadensis | ✓ Panicum scribner. | ✓ Viola pedata |
| Equisetum laevigatum | Panicum virgatum | Viola petatitida |
| Erigeron ramosus | ✓ Petalostemum can. | Vitis vulpina |
| | | ✓ Zizia aurea |

Additional Species

~~Phlox pilosa~~

23 on List III
8 " " IV
0 extra

Prairie Relic Study. IV.

Section Township Range County *Columbia* Place *Swan Lake*
Date *8/9/38* Observer *J.T. Curtis*
Habitat Description

Sandy, high to low - along R.R.

<i>Acer negundo</i>	<i>Draba caroliniana</i>	<i>Polygala senega</i>
<i>Acerates floridana</i>	<i>Elymus virginicus</i>	<i>Polygala polygama</i>
<i>Acerates lanuginosa</i>	<i>Equisetum arvense</i>	<i>Polygala sanguinea</i>
<i>Acerates viridifl.</i>	<i>Equisetum hyemale</i>	<i>Polygala verticillata</i>
<i>Agoseris cuspidata</i>	<i>Erigeron philadelph.</i>	<i>Polygonatum commutat.</i>
<i>Allium canadense</i>	<i>Erigeron pulchellus</i>	<i>Polytaenia nuttallii</i>
<i>Allium cernuum</i>	<i>Galium tinctorium</i>	<i>Populus tremuloides</i>
<i>Ambrosia psilostach.</i>	<i>Gentiana procera</i>	<i>Prenanthes alba</i>
<i>Anemone canadensis</i>	<i>Gerardia aspera</i>	<i>Prenanthes racemosa</i>
<i>Anemone patens</i>	<i>Habenaria leucophaea</i>	<i>Prunella vulgaris</i>
<i>Anemone quinquef.</i>	<i>Hedeoma pinnatifida</i>	<i>Psedera quinquefolia</i>
<i>Arabis lyrata</i>	<i>Helianthus strumosus</i>	<i>Psoralea esculenta</i>
<i>Arenaria stricta</i>	<i>Helopsis scabra</i>	<i>Pteridium latiusculum</i>
<i>Artemisia ludovic.</i>	<i>Hieracium canadense</i>	<i>Pyrus iowensis</i>
<i>Asclepias amplexic.</i>	<i>Hieracium longipil.</i>	<i>Rhus radicans</i>
<i>Asclepias ovalifolia</i>	<i>Hierochloa odorata.</i>	<i>Rudbeckia subtomentosa</i>
<i>Asclepias purpurasc.</i>	<i>Iris virginica</i>	<i>Sanicula sp.</i>
<i>Asclepias sullivant.</i>	<i>Krigia biflora</i>	<i>Saxifraga pennsylvanica</i>
<i>Asclepias tuberosa</i>	<i>Lathyrus ochroleucus</i>	<i>Scutellaria parvula</i>
<i>Aster linariifolius</i>	<i>Lathyrus palustris</i>	<i>Senecio aureus</i>
<i>Aster oblongifolius</i>	<i>Liatris spicata</i>	<i>Silene antirrhina</i>
<i>Aster pilosus</i>	<i>Lilium michiganense</i>	<i>Silene stellata</i>
<i>Aster ptarmicoides</i>	<i>Lilium philadelph.</i>	<i>Silphium perfoliatum</i>
<i>Aster sagittifolius</i>	<i>Linum sulcatum</i>	<i>Smilacina racemosa</i>
<i>Astragalus canad.</i>	<i>Lithospermum croceum</i>	<i>Solidago altissima</i>
<i>Aureolaria grandifl.</i>	<i>Lupinus perennis</i>	<i>Solidago juncea</i>
<i>Besseyia bullii</i>	<i>Lycopus americanus</i>	<i>Solidago riddellii</i>
<i>Blephilia ciliata</i>	<i>Lysimachia quadrifol.</i>	<i>Solidago serotina</i>
<i>Bouteloua hirsuta</i>	<i>Lythrum alatum</i>	<i>Specularia perfoliata</i>
<i>Brauneria pallida</i>	<i>Muhlenbergia racemosa</i>	<i>Spiranthes ochroleuca</i>
<i>Bromus kalmii</i>	<i>Onoclea sensibilis</i>	<i>Stachys palustris</i>
<i>Cacalia spaveolens</i>	<i>Orobanche uniflora</i>	<i>Steironema ciliatum</i>
<i>Cacalia tuberosa</i>	<i>Oxalis violacea</i>	<i>Steironema lanceolatum</i>
<i>Calopogon pulchell.</i>	<i>Oxybaphus nyctagin.</i>	<i>Steironema quadriflorum</i>
<i>Carex pennsylvan.</i>	<i>Panicum praecocius</i>	<i>Taeniadina integerrima</i>
<i>Castilleja coccinea</i>	<i>Panicum perlongum</i>	<i>Tephrosia virginiana</i>
<i>Castilleja sessilifl.</i>	<i>Parnassia carolin.</i>	<i>Thaspium aureum</i>
<i>Celastrus scandens</i>	<i>Parthenium integrif.</i>	<i>Valeriana edulis</i>
<i>Cicuta maculata</i>	<i>Pedicularis canadens.</i>	<i>Verbena stricta</i>
<i>Cirsium hillii</i>	<i>Pedicularia lanceol.</i>	<i>Veronica fasciculata</i>
<i>Cornus racemosa</i>	<i>Phalaris arundinacea</i>	<i>Vicia americana</i>
<i>Cypripedium candidum</i>	<i>Phlox glaberrima</i>	<i>Viola sagittata</i>
<i>Cypripedium pubesc.</i>	<i>Polemonium reptans</i>	<i>Zigadenus elegans</i>
		<i>Zizia aptera</i>

Data Form No. 61

Univ. of Wisconsin

Plant Ecology Research

Stand No:
19

Continuum Index:

Type:

Location:
T: R: S:
12N 9E 1

County:
Columbia

Place:
Swan Lake

Investigators:
J.P. Curtis

Date:
8/9/28

Method of Sampling:

Remarks:

Acalypha virginica		Aster novae-angliae
Acer negundo		Aster oblongifolius
Achillea millefolium		Aster paniculatus
Agropyron smithii		Aster pilosus
Agropyron trachycaulum		Aster ptarmicoides
Aletris farinosa		Aster sagittifolius
Allium canadense		Aster sericeus
Allium cernuum		Aster umbellatus
Ambrosia artemisiifolia		Astragalus canadensis
Ambrosia psilostachya <i>Amorpha</i> ✓		Astragalus caryocarpus
Ambrosia trifida		Baptisia leucantha
Amphicarpa bracteata	✓	Baptisia leucophaea
Anaphalis margaritacea		Betula papyrifera
Andropogon gerardi	✓	Betula sandbergii
Andropogon scoparius	✓	Blephilia ciliata
Anemone canadensis	✓	Bouteloua curtipendula
Anemone cylindrica		Bouteloua hirsuta
Anemone patens		Bromus ciliatus
Anemone quinquefolia		Bromus kalmii
Anemone virginiana		Cacalia atriplicifolia
Angelica atropurpurea		Cacalia suaveolens
Antennaria spp.		Cacalia tuberosa
Apios americana		Calamagrostis canadensis
Apocynum androsaemifolium		Callirhoe triangulata
Apocynum cannabinum		Calopogon pulchellus
Aquilegia canadensis		Caltha palustris
Arabis lyrata		Camassia scilloides
Arenaria lateriflora		Campanula aparinoides
Arenaria stricta		Campanula rotundifolia
Artemisia caudata		Cardamine bulbosa
Artemisia frigida		Carex bicknellii
Artemisia ludoviciana		Carex muhlenbergii
Artemisia serrata		Carex pensylvanica
Asclepias amplexicaulis		Carex vulpinoidea
Asclepias incarnata		Carya ovata
Asclepias lanuginosa		Cassia fasciculata
Asclepias longifolia	✓	Castilleja coccinea
Asclepias ovalifolia		Castilleja sessiliflora
Asclepias purpurascens		Ceanothus americanus
Asclepias sullivantii		Ceanothus ovatus
Asclepias syriaca		Celastrus scandens
Asclepias tuberosa	✓	Celtis occidentalis
Asclepias verticillata		Chelone glabra
Asclepias viridiflora		Chrysopsis villosa
Aster azureus		Cicuta maculata
Aster ericoides		Cirsium discolor
Aster laevis		Cirsium hillii
Aster linariifolius		Cirsium muticum
Aster lucidulus		Cirsium undulatum
		Comandra richardsoniana
Depth AO layer		Convolvulus sepium
Depth of soil	✓	Coreopsis palmata
Soil pH		Cornus racemosa
Soil MHC		Cornus stolonifera
Volume Weight		Corylus americana
Calcium %		Crataegus spp.
Potassium %		Cyperus filiculmis
Phosphorus %		Cyperus schweinitzii
Calcium lbs/acre	✓	Cypripedium candidum
Potassium lbs/acre	✓	Cypripedium pubescens
Phosphorus lbs/acre		Delphinium virescens
NH4 lbs/acre		Desmodium canadense
NO3 lbs/acre		Desmodium illinoense
		Dodecatheon meadia
		Draba reptans
		Dryopteris thelypteris

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<i>Echinacea pallida</i>		<i>Lactuca canadensis</i>
<i>Elymus canadensis</i>		<i>Lactuca ludoviciana</i>
<i>Elymus virginicus</i>		<i>Lathyrus ochroleucus</i>
<i>Epilobium adenocaulon</i>		<i>Lathyrus palustris</i>
<i>Equisetum arvense</i>	✓	<i>Lathyrus venosus</i>
<i>Equisetum hyemale</i>		<i>Lechea tenuifolia</i>
<i>Equisetum kansanum</i>		<i>Leersia virginica</i>
<i>Erigeron philadelphicus</i>		<i>Leptoloma cognatum</i>
<i>Erigeron pulchellus</i>		<i>Lespedeza capitata</i>
<i>Erigeron strigosus</i>		<i>Lespedeza violacea</i>
<i>Eriophorum virginicum</i>	✓	<i>Liatris aspera</i>
<i>Eryngium yucifolium</i>		<i>Liatris cylindracea</i>
<i>Eupatorium altissimum</i>		<i>Liatris ligulistylis</i>
<i>Eupatorium maculatum</i>		<i>Liatris punctata</i>
<i>Eupatorium perfoliatum</i>		<i>Liatris pycnostachya</i>
<i>Eupatorium rugosum</i>		<i>Liatris spicata</i>
<i>Euphorbia corollata</i>	✓	<i>Lilium michiganense</i>
<i>Fragaria virginiana</i>		<i>Lilium philadelphicum</i>
<i>Galium boreale</i>		<i>Linum sulcatum</i>
<i>Galium labradoricum</i>		<i>Liparis loeselii</i>
<i>Galium tinctorium</i>	✓	<i>Lithospermum canescens</i>
<i>Gaura biennis</i>		<i>Lithospermum croceum</i>
<i>Gentiana andrewsii</i>		<i>Lithospermum incisum</i>
<i>Gentiana crinita</i>		<i>Lobelia kalmii</i>
<i>Gentiana flavida</i>		<i>Lobelia siphilitica</i>
<i>Gentiana procera</i>		<i>Lobelia spicata</i>
<i>Gentiana puberula</i>	✓	<i>Lupinus perennis</i>
<i>Gentiana quinquefolia</i>		<i>Lycopus americanus</i>
<i>Gentiana saponaria</i>		<i>Lycopus uniflorus</i>
<i>Geranium maculatum</i>		<i>Lysimachia ciliata</i>
<i>Gerardia aspera</i>		<i>Lysimachia lanceolata</i>
<i>Gerardia gattereri</i>		<i>Lysimachia quadriflora</i>
<i>Gerardia grandiflora</i>		<i>Lysimachia quadrifolia</i>
<i>Geum triflorum</i>		<i>Lythrum alatum</i>
<i>Glyceria striata</i>		<i>Mentha arvensis</i>
<i>Gnaphalium obtusifolium</i>		<i>Mimulus ringens</i>
<i>Grindelia squarrosa</i>		<i>Mirabilis nyctagineus</i>
<i>Habenaria flava</i>		<i>Monarda fistulosa</i>
<i>Habenaria leucophaea</i>		<i>Monarda punctata</i>
<i>Hedeoma hispida</i>		<i>Muhlenbergia cuspidata</i>
<i>Helenium autumnale</i>		<i>Muhlenbergia mexicana</i>
<i>Helianthemum canadense</i>		<i>Muhlenbergia racemosa</i>
<i>Helianthus grosseserratus</i>		<i>Napaea dioica</i>
<i>Helianthus laetiflorus</i>	✓	<i>Oenothera biennis</i>
<i>Helianthus occidentalis</i>		<i>Oenothera perennis</i>
<i>Helianthus strumosus</i>		<i>Oenothera rhombipetala</i>
<i>Heliopsis helianthoides</i>		<i>Onoclea sensibilis</i>
<i>Heuchera richardsonii</i>	✓	<i>Onosmodium hispidissimum</i>
<i>Hieracium canadense</i>		<i>Onosmodium occidentale</i>
<i>Hieracium longipilum</i>		<i>Ophioglossum vulgatum</i>
<i>Hierochloa odorata</i>		<i>Opuntia humifusa</i>
<i>Houstonia caerulea</i>		<i>Orobancha fasciculata</i>
<i>Houstonia longifolia</i>		<i>Orobancha uniflora</i>
<i>Hypericum mutilum</i>		<i>Oxalis violacea</i>
<i>Hypericum canadense</i>		<i>Oxypolis rigidior</i>
<i>Hypoxis hirsuta</i>	✓	<i>Panicum implicatum</i>
<i>Hystrix patula</i>		<i>Panicum leibergii</i>
<i>Iris virginica</i>	✓	<i>Panicum oligosanthos</i>
<i>Juncus dudleyi</i>		<i>Panicum perlongum</i>
<i>Juncus tenuis</i>		<i>Panicum praecocius</i>
<i>Juniperus communis</i>		<i>Panicum virgatum</i>
<i>Juniperus virginiana</i>		<i>Parnassia glauca</i>
<i>Koeleria cristata</i>	✓	<i>Parthenium integrifolium</i>
<i>Krigia biflora</i>		<i>Parthenocissus inserta</i>
<i>Krigia virginica</i>		<i>Pedicularis canadensis</i>
<i>Kuhnia eupatorioides</i>		<i>Pedicularis lanceolata</i>

Pentstemon digitalis		Senecio aureus
Pentstemon gracilis		Senecio pauperculus
Pentstemon grandiflorus		Silene antirrhina
Petalostemum candidum	✓	Silene stellata
Petalostemum purpureum	✓	Silphium integrifolium
Petalostemum villosum		Silphium laciniatum
Phalaris arundinacea		Silphium perfoliatum
Phlox glaberrima		Silphium terebinthinaceum
Phlox pilosa	✓	Sisyrinchium campestre
Physalis heterophylla		Sium suave
Physalis subglabrata		Smilacina racemosa
Physalis virginiana		Smilacina stellata
Physocarpus opulifolius		Smilax herbacea
Physostegia virginiana		Solidago altissima
Plantago purshii		Solidago canadensis
Plantago rugelii		Solidago gigantea
Polemonium reptans		Solidago graminifolia
Polygala polygama		Solidago juncea
Polygala sanguinea		Solidago missouriensis
Polygala senega	✓	Solidago nemoralis
Polygala verticillata	✓	Solidago ohioensis
Polygonatum commutatum		Solidago riddellii
Polygonum amphibium		Solidago rigida
Polygonum tenue		Solidago speciosa
Polytaenia nuttallii		Sorghastrum nutans
Populus tremuloides		Spartina pectinata
Potentilla arguta		Specularia perfoliata
Potentilla canadensis		Spiraea alba
Potentilla fruticosa		Spiranthes cernua
Prenanthes alba		Spiranthes gracilis
Prenanthes aspera		Spiranthes ochroleuca
Prenanthes racemosa		Sporobolus asper
Prunella vulgaris		Sporobolus cryptandrus
Prunus americana		Sporobolus heterolepis
Prunus pumila		Sporobolus vaginiflorus
Prunus serotina		Stachys palustris
Prunus virginiana		Stellaria longifolia
Psoralea argophylla		Stipa spartea
Psoralea esculenta		Symphoricarpos occidentalis
Pteridium latiusculum		Taenidia integerrima
Pycnanthemum virginianum		Tephrosia virginiana
Pyrus ioensis		Teucrium canadense
Pyrus melanocarpa		Thalictrum dasycarpum
Quercus macrocarpa		Thaspium aureum
Ranunculus fascicularis		Tofieldia glutinosa
Ranunculus rhomboideus	✓	Tradescantia ohioensis
Ranunculus septentrionalis		Triosteum perfoliatum
Ratibida pinnata	✓	Valeriana ciliata
Rhus glabra		Verbena hastata
Rhus radicans		Verbena stricta
Rosa spp.		Vernonia fasciculata
Rubus spp.		Veronicastrum virginicum
Rudbeckia hirta		Vicia americana
Rudbeckia laciniata		Vicia augustifolia
Rudbeckia subtomentosa		Vicia villosa
Rumex verticillatus		Viola cucullata
Salix humilis		Viola lanceolata
Sanicula gregaria	✓	Viola pedata
Sanicula marilandica		Viola pedatifida
Sanicula sp.		Viola sagittata
Saxifraga pensylvanica		Vitis aestivalis
Scleria triglomerata		Vitis riparia
Scrophularia lanceolata		Wulfenia bullii
Scutellaria epilobiifolia		Xanthoxylum americanum
Scutellaria parvula		Zigadenus elegans
Selaginella apoda		Zizia aptera
Selaginella rupestris	✓	Zizia aurea

Data Form No. 63

Univ. of Wisconsin

Plant Ecology Research

#19