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Site 0033: Area S of Arboretum Camp in the forty which is numbered 80 on the Arboretum Map, Dane County, Township 7N, Range 9E, Section 33. 1947-07-03

[s.l.]: [s.n.], 1947-07-03

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Use #33a

Prairie Relic Study. III.

Section 33 Township 7N Range 9E County Dane Place Area S of Arboretum
 Date 7/3/47 Observer H. C. Greene Camp in the forty which
 Habitat Description is numbered 80 on the
Low, moist prairie Arboretum Map.

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 leucophaea	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 petatifida
✓ Erigeron ramosus	Petalostemum can.	Vitis vulpina
		✓ Zizia aurea

Additional Species

Aster sp. (paniculatus group)
 Carex vulpinoidea
 Geum triflorum
 Muhlenbergia sp.
 Plantago rugelii
 Populus tremuloides
 Solidago riddellii
 Vicia villosa
 Viola sp.
 Aspidopteryx Faurieanum
 Gentiana Saponaria

34 on List III

13 " " IV

7 extra

54

Prairie Relic Study. IV.

Section 33 Township 7N Range 9E County Dane Place Area S. of Arboretum
Date 7/3/47 Observer H.C. Greene Camp in the forty which
Habitat Description is numbered 80 on the
Low, moist prairie Arboretum Map.

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

Prairie Relic Study

Section Township Range County Place Planted Prairie
 Date 8/29/47 Observer HCG & JTC U.W. Arboretum
 Habitat Description

.....			
Allium cernuum	Geum triflorum	Potentilla arguta	
—Amorpha canescens	—Helianthus occid.	Pycnanthemum virg.	
—Andropogon furcatus	—Helianthus rigid.	—Quercus macrocarpa	
—Andropogon scoparius	Heuchera richard.	—Ratibida pinnata	
Anemone canadensis	Hierochloa odor.	Rhus glabra	
—Anemone cylindrica	Hypoxis hirsuta	—Rosa sp.	
—Anemone patens	Koeleria crist.	Sanicula sp.	
—Antennaria sp.	Krigia biflora	Saxifraga pennsylv.	
Arenaria stricta	Lahtyrus venosus	Senecio aureus	
Artemisia caudata	—Lespedeza capit.	—Silphium integrif.	
—Asclepias verticill.	—Liatris aspera	—Silphium laciniat.	
Aster azureus	—Liatris pycnost.	—Silphium terebinth.	
—Aster laevis	—Lilium michigan.	—Sisyrinchium sp.	
—Aster sericeus	Lilium philadel.	Smilacina stellata	
—Baptisia leucantha	Lithospermum ang.	Solidago missourien.	
—Baptisia leucophaea	—Lithospermum can.	—Solidago nemoralis	
—Bouteloua curtipend.	—Lobelia spicata	—Solidago rigida	
—Cacalia tuberosa	Lythrum alatum	Solidago serotina	
—Calamagrostis canad.	—Monarda fistulosa	Solidago speciosa	
—Ceanothus americanus	Oxalis violacea	—Sorghastrum nutans	
Cicuta maculata	Oxypolis rigidior	—Spartina pectinata	
Comandra umbellata	Panicum Scribner.	Spiraea alba	
—Coreopsis palmata	—Panicum virgatum	—Sporobolus heterol.	
Corylus americana	Pedicularis can.	—Stipa spartea	
Desmodium canadense	—Petalostemon can.	—Thalictrum dasycar.	
Dodecatheon meadia	—Petalostemon pur.	—Tradescantia ohien.	
—Elymus canadensis	—Phlox pilosa	Vernonia fascicul.	
—Eryngium yuccif.	Poa compressa	—Veronicastrum virg.	
—Euphorbia corollata	Poa pratensis	Vicia americana	
Fragaria virginiana	Polemonium rep.	Viola pedata	
—Galium boreale	Polygala senega	Viola pedatifida	
—Gentiana andrewsii	Polygala sanguin.	Viola sagittata	
Geranium maculatum	Polytaenia nutt.	Zizia aptera	
		Zizia aurea	

Additional Species

- ✓ Gnaphalium obtusifolium
- ✓ Pentstemon digitalis
- ✓ Rhus radicans
- ✓ Solidago canadensis
- ✓ Liatris squarrosa
- ✓ Symphoricarpos occidentalis
- ✓ Monarda punctata
- ✓ Artemisia frigida
- ✓ Scleria triglomerata

46
 29
 18 extra
 79 total

Prairie Relic Study II.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>	<u>Planted Prairie</u>
<u>Date</u> 8/29/47	<u>Observer</u>	HCG & JTC			U.W. Arboretum
<u>Habitat</u>	<u>Description</u>				

Acer negundo	-Desmodium illinoense	Panicum perlongum
-Acerates floridana	Draba caroliniana	Parnassia carolin.
Acerates lanuginosa	Dryopteris thelyp.	Parthenium integrif.
Acerates viridiflora	-Equisetum arvense	Pedicularis lanceol.
-Achillea millefolium	Equisetum laevigatum	Phalaris arundinacea
Agoseris cuspidata	-Erigeron annuus	Phlox glaberrima
Allium canadense	Erigeron philadelph.	-Physalis heteroph.
-Ambrosia artemisiif.	Erigeron pulchellus	-Physalis virginiana
Anemone quinquefolia	-Erigeron ramosus	Polygala verticill.
Anemone virginiana	Galium concinnum	-Polygala polygama
Apocynum androsaemif.	Galium tinctorium	Polygonatum commut.
Apocynum cannabinum	Gentiana procera	Potentilla canad.
Arabis lyrata	-Gentiana puberula	Prenanthes alba
-Artemisia ludovic.	Gerardia aspera	Prenanthes racemosa
Asclepias amplexic.	Habenaria leucoph.	-Prunella vulgaris
Asclepias ovalifolia	Hedeoma hispida	Pseodera quinquefolia
-Asclepias purpurasc.	Helianthemum	-Psoralea esculenta
Asclepias sullivant.	Helianthus grosses.	Pteridium latiusculum
-Asclepias syriaca	-Helianthus strumos.	Ranunculus rhomboideus
-Asclepias tuberosa	Heliopsis scabra	-Rudbeckia hirta
-Aster ericoides	Hieracium canadense	Scutellaria parvula
Aster linarifolius	Hieracium longip.	Silene antirrhina
-Aster novae-angliae	Iris virginica	Silene stellata
Aster oblongifolius	-Kuhnia eupatorioid.	-Silphium perfoliatum
-Aster pilosus	-Lactuca canadensis	Smilacina racemosa
-Aster ptarmicoides	-Lactuca ludoviciana	-Solidago altissima
Aster sagittifolius	Lathyrus ochroleucus	-Solidago graminifolia
-Astragalus canadens.	Lahtyrus palustris	Solidago juncea
Aureolaria grandifl.	Lechea tenuifolia	Specularia perfoliata
Besseyia bullii	-Liatris cylindracea	Spiranthes ochroleuca
Betula sandbergii	Liatris spicata	Stachys palustris
Blephilia ciliata	Linum sulcatum	Steironema ciliatum
-Brauneria purpurea	Lithosp. croceum	Steironema lanceolatum
Bromus inermis	Lobelia cardinalis	Taenidia integerrima
Bromus kalmii	Lobelia kalmii	Tephrosia virginiana
Cacalia suaveolens	Lycopus americanus	Thaspium aureum
Calopogon pulchell.	Lysimachia quadrif.	Tragopogon pratensis
Carex pennsylvan.	-Lupinus perennis	Trillium grandiflorum
Castilleja coccinea	Melilotus alba	Valeriana edulis
Castilleja sessilifl.	-Oenothera biennis	Verbena stricta
-Cirsium discolor	Onoclea sensibilis	-Vitis vulpina
Cirsium hillii	Orobanche fascicul.	Zigadenus elegans
-Convolvulus sepium	Orobanche uniflora	
Convolvulus spitham	Oxybaphus nyctagin.	
Cypripedium candidum	Panicum capillare	
Cypripedium pubesc.	Panicum leibergii	
	Panicum praecocius	

Prairie Relic Study

Section Township Range County
Date 8/29/47 Observer HCG & JTC
Habitat Description

Place Plots planted by Fassett
 Planted prairie
 U.W. Arboretum

.....		
Allium cernuum	Geum triflorum	✓ Potentilla arguta
✓ Amorpha canescens	Helianthus occid.	Pycnanthemum virg.
✓ Andropogon furcatus	Helianthus rigid.	Quercus macrocarpa
✓ Andropogon scoparius	Heuchera richard.	✓ Ratibida pinnata
Anemone canadensis	Hierochloa odor.	Rhus glabra
✓ Anemone cylindrica	✓ Hypoxis hirsuta	✓ Rosa sp.
Anemone patens	✓ Koeleria crist.	Sanicula sp.
✓ Anthenaria sp.	Krigia biflora	Saxifraga pennsylv.
Arenaria stricta	Lahtyrus venosus	Senecio aureus
Artemisia caudata	✓ Lespedeza capit.	Silphium integrif.
✓ Asclepias verticill.	✓ Liatris aspera	Silphium laciniat.
Aster azureus	Liatris pycnost.	Silphium terebinth.
✓ Aster laevis	Lilium michigan.	Sisyrinchium sp.
✓ Aster sericeus	Lilium philadel.	Smilacina stellata
Baptisia leucantha	✓ Lithospermum ang.	Solidago missourien.
✓ Baptisia leucophaea	✓ Lithospermum can.	✓ Solidago nemoralis
✓ Bouteloua curtipend.	Lobelia spicata	Solidago rigida
Cacalia tuberosa	Lythrum alatum	✓ Solidago serotina
Calamagrostis canad.	Monarda fistulosa	Solidago speciosa
Ceanothus americanus	Oxalis violacea	✓ Sorghastrum nutans
Cicuta maculata	Oxypholis rigidior	Spartina pectinata
✓ Comandra umbellata	✓ Panicum Scribner.	Spiraea alba
✓ Coreopsis palmata	✓ Panicum virgatum	✓ Sporobolus heterol.
Corylus americana	Pedicularis can.	Stipa spartea
Desmodium canadense	✓ Petalostemum can.	Thalictrum dasycar.
Dodecatheon meadia	✓ Petalostemum pur.	✓ Tradescantia ohien.
Elymus canadensis	Phlox pilosa	Vernonia fascicul.
Eryngium yuccif.	Poa compressa	Veronicastrum virg.
✓ Euphorbia corollata	Poa pratensis	Vicia americana
Fragaria virginiana	Polemonium rep.	Viola pedata
✓ Galium boreale	Polygala senega	Viola pedatifida
Gentiana andrewsii	Polygala sanguin.	✓ Viola sagittata
Geranium maculatum	Polytaenia nutt.	Zizia aptera
		Zizia aurea

Additional Species

- ✓ Symphoricarpos occidentalis
- ✓ Monarda punctata
- ✓ Artemisia frigida
- ✓ Gnaphalium sp.
- ✓ Geum canadense
- ✓ Monarda punctata
- ✓ Bouteloua hirsuta
- ✓ Sporobolus cryptandrus
- ✓ Helianthus laetifolius
- ✓ Brauneria pallida

Prairie Relic Study II.

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>County</u>	<u>Place</u>	<u>Planted Prairie</u>
<u>Date</u> 8/29/47	<u>Observer</u>	HCG & JTC			U.W. Arboretum
<u>Habitat</u>	<u>Description</u>				Plots planted by Fassett

.....					
Acer negundo	✓	Desmodium illinoense	Panicum perlongum		
Acerates floridana		Draba caroliniana	Parnassia carolin.		
Acerates lanuginosa		Dryopteris thelyp.	Parthenium integrif.		
Acerates viridiflora		Equisetum arvense	Pedicularis lanceol.		
Achillea millefolium		Equisetum laevigatum	Phalaris arundinacea		
Agoseris cuspidata	✓	Erigeron annuus	Phlox glaberrima		
Allium canadense		Erigeron philadelph.	Physalis heteroph.		
Ambrosia artemisiif.		Erigeron pulchellus	Physalis virginiana		
Anemone quinquefolia		Erigeron ramosus	Polygala verticill.		
Anemone virginiana		Galium concinnum	Polygala polygama		
Apocynum androsaemif.		Galium tinctorium	Polygonatum commut.		
Apocynum cannabinum		Gentiana procera	✓ Potentilla canad.		
Arabis lyrata		Gentiana puberula	Prenanthes alba		
✓ Artemisia ludovic.		Gerardia aspera	Prenanthes racemosa		
Asclepias amplexic.		Habenaria leucoph.	Prunella vulgaris		
Asclepias ovalifolia	✓	Hedeoma hispida	Psedera quinquefolia		
Asclepias purpurasc.		Helianthemum	Psoralea esculenta		
Asclepias sullivant.		Helianthus grosses.	Pteridium latiusculum		
Asclepias syriaca	✓	Helianthus strumos.	Ranunculus rhomboides		
Asclepias tuberosa		Heliopsis scabra	Rudbeckia hirta		
Aster ericoides		Hieracium canadense	✓ Scutellaria parvula		
✓ Aster linarifolius		Hieracium longip.	Silene antirrhina		
Aster novae-angliae		Iris virginica	Silene stellata		
✓ Aster oblongifolius		Kuhnia eupatorioid.	Silphium perfoliatum		
Aster pilosus		Lactuca canadensis	Smilacina racemosa		
✓ Aster ptarmicoides		Lactuca ludoviciana	✓ Solidago altissima		
Aster sagittifolius		Lathyrus ochroleucus	✓ Solidago graminifolia		
Astragalus canadens.		Lahtyrus palustris	Solidago juncea		
Aureolaria grandifl.		Lechea tenuifolia	Specularia perfoliata		
✓ Besseyia bullii		Liatris cylindracea	Spiranthes ochroleuca		
Betula sandbergii		Liatris spicata	Stachys palustris		
Blephilia ciliata		Linum sulcatum	Steironema ciliatum		
Brauneria		Lithosp. croceum	Steironema lanceolatum		
Bromus inermis		Lobelia cardinalis	Taenidia integerrima		
Bromus kalmii		Lobelia kalmii	Tephrosia virginiana		
Cacalia suaveolens		Lycopus americanus	Thaspium aureum		
Calopogon pulchell.		Lysimachia quadrif.	Tragopogon pratensis		
Carex pennsylvan.		Lupinus perennis	Trillium grandiflorum		
Castilleja coccinea		Melilotus alba	Valeriana edulis		
Castilleja sessilifl.		Oenothera biennis	✓ Verbena stricta		
Cirsium discolor		Onoclea sensibilis	Vitis vulpina		
Cirsium hillii		Orobanche fascicul.	Zigadenus elegans		
Convolvulus sepium		Orobanche uniflora			
Convolvulus spitham		Oxybaphus nyctagin.			
Cypripedium candidum		Panicum capillare			
Cypripedium pubesc.		Panicum leibergii			
		Panicum praecocius			

9/22/65 *Arboretum*
- *Low prairie*

Intermittent frequency - 30 quadrats - 1 sq. m.
Bot 169

Data Form No. 35

Plant Ecology Research

Univ. of Wisconsin

Presence or Frequency
(Common species only)

PRAIRIES

Stand No. 33
Quadrat No.

Achillea millefolium	1, 2, 1	Fragaria virginiana - 4	13.3	Physalis subglabrata	
3, 3, 2 Ambrosia artemisifolia - 8 = 26.7		Galium boreale		Physalis virginiana	
Ambrosia psilostachya	2, 2	Gentiana andrewsii - 4	13.3	Polygala senega	
Amorpha canescens		Gentiana puberula		Polytaenia nuttallii	
3, 5, 2 Andropogon gerardi - 10 = 33.3		Geranium maculatum		Potentilla arguta	
Andropogon scoparius		Geum triflorum		Potentilla canadensis	
Anemone canadensis		Hedeoma hispida		Prenanthes racemosa	
Anemone cylindrica		Helianthemum sp.		Psoralea esculenta	
Anemone patens	8, 10, 10	Helianthus grosseserratus - 28 = 93.3	2	Pycnanthemum virginicum - 2	6.7
2, 1, 2 Antennaria sp. - 5 = 16.7		Helianthus laetiflorus		Pyrus melanocarpa	
2 Apocynum androsaemifolium - 2 = 6.7		Helianthus occidentalis		Quercus macrocarpa	
Apocynum cannabinum		Helianthus strumosus		2, 1 Ratibida pinnata - 3	10.0
Arenaria stricta		Heliopsis helianthoides		Rhus glabra	
Artemisia caudata		Heuchera richardsonii		1, 1 Rhus radicans - 2	6.7
Asclepias amplexicaulis	1	Hieracium longipilum - 1 = 3.3		1 Rosa sp. - 1	3.3
Asclepias syriaca		Hypoxis hirsuta	6, 8, 4	Rudbeckia hirta - 18	60.0
Asclepias tuberosa		Iris virginica		Salix humilis	
Asclepias verticillata		Koeleria cristata		2 Saxifraga pensylvanica - 2	6.7
Asclepias viridiflora		Krigia biflora		Scutellaria parvula	
Aster azureus		Kuhnia eupatorioides		Silphium integrifolium	
Aster ericoides		Lactuca canadensis		Silphium laciniatum	
Aster laevis	2, 1, 2	Lactuca ludoviciana - 5 = 16.7	8, 6, 9	Silphium terebinthinaceum - 23 = 76.7	
1 Aster novae-angliae - 1 = 3.3		Lathyrus palustris		Sisyrinchium campestre	
Aster oblongifolius		Lathyrus venosus		Smilacina stellata	
Aster ptarmicoides		Lespedeza capitata		3, 1 Solidago altissima - 4	13.3
Aster sericeus		Liatris aspera		Solidago gigantea	
Baptisia leucantha		Liatris cylindracea		Solidago graminifolia	
Baptisia leucophaea	1, 1	Liatris pycnostachya - 2 = 6.7		Solidago juncea	
Bouteloua curtipendula		Lilium michiganense		1 Solidago missouriensis - 1	3.3
Bouteloua hirsuta		Lilium philadelphicum		Solidago nemoralis	
Cacalia tuberosa		Linum sulcatum		Solidago rigida	
Calamagrostis canadensis		Lithospermum canescens		Solidago speciosa	
Ceanothus americanus		Lithospermum croceum		1 Sorghastrum nutans - 1	3.3
Cicuta maculata		Lithospermum incisum		Spartina pectinata	
3, 6, 5 Cirsium discolor - 18 = 60.6		1 Lobelia spicata - 1	3.3	Spiraea alba	
Comandra richardsoniana		Monarda fistulosa		Sporobolus heterolepis	
Convolvulus sepium		Muhlenbergia cuspidata		Stipa spartea	
Coreopsis palmata	4, 5, 4	Muhlenbergia racemosa - 13 = 43.3		Tephrosia virginiana	
2, 2, 3 Cornus femina - 7 = 23.3		Oenothera biennis		1 Thalictrum dasycarpum - 1	3.3
Corylus americana		Oxalis violacea		Tradescantia ohioensis	
Desmodium canadense		Oxypolis rigidior		Verbena stricta	
Desmodium illinoense		1 Panicum leibergii - 1 = 3.3	1, 1, 1	Veronicastrum virginicum - 3	10.0
Dodecatheon meadia		Panicum oligosanthos		Vicia americana	
Elymus canadensis		Panicum perlongum		Viola pedata	
Equisetum arvense		2 Panicum virgatum - 2 = 6.7	3, 4, 3	Viola pedatifida - 10	33.3
1, 1 Equisetum kansanum - 2 = 6.7		Petalostemum candidum		Vitis vulpina	
5, 7, 3 Erigeron strigosus - 15 = 50.0		Petalostemum purpureum		Zizia aptera	
Eryngium yuccifolium		Phlox pilosa		1 Zizia aurea - 1	3.3
Euphorbia corollata		Physalis heterophylla			

Additional species:

5,3,5 <i>ter latriflorus</i>	13	43.3
7,10,10 <i>Carex</i>	27	= 90.0
3,2,3 <i>Pastinaca sativa</i>	8	= 26.7
4,5,5 <i>Blaphilia</i>	14	= 46.7
2 <i>Sahy discolor</i>	2	= 6.7
1 <i>Cirsium muticum</i>	1	= 3.3
1,1 <i>Viola cuculata</i>	2	= 6.7
1,1 <i>Polygala verticillata</i>	2	= 6.7
1 <i>Poa palustris</i>	1	= 3.3
4,1 <i>Lycopus uniflorus</i>	5	= 16.7
1 <i>Oxalis Europa</i>	1	= 3.3
2 <i>Plantago major</i>	2	= 6.7
1 <i>Phleum pratense</i>	1	= 3.3
1 <i>Trifolium pratense</i>	1	= 3.3
1 <i>Trifolium hybridum</i>	1	= 3.3
3 <i>Setaria tulescens</i>	3	= 10.0
1,1 <i>Poa pratensis</i>	2	= 6.7
1 <i>Prunus americana</i>	1	= 3.3
2,1 <i>Vicia villosa</i>	3	= 10.0
2 <i>Stironema ciliata</i>	2	= 6.7

Presence List
(Uncommon species)

PRAIRIES

Stand No. 33a

NW, SE

Sec: 33 T: 7N R: 9E

Locality: Arboretum

County: Dane

Date: 6/20/53

Observers: G.C., HCG & JTC

Size of Stand: 15 acres

Size of Area Sampled: 10 acres

Condition of Stand: Good

Type: Wet areas
only

Acer negundo	Celastrus scandens	L. spicata	Prenanthes alba
Agoseris cuspidata	Chrysopsis villosa	Lobelia kalmii	P. aspera
Agropyron subsecun	Cirsium hillii	Lupinus perennis	Prunella vulgaris
Aletris farinosa	C. undulatum	✓ Lycopus americanus	Psoralea argophyll
Allium canadense	Crataegus sp.	L. uniflorus	Pteridium latiuscu
A. cernuum	Cypripedium candid	Lysimachia ciliata	Pyrus ioensis
Amphicarpa monoica	C. pubescens	L. lanceolata	✓ Rudbeckia subtomen
Anemone quinquefol	Draba reptans	✓ L. quadriflora	Sanicula sp.
A. virginiana	Dryopteris thelypt	L. quadrifolia	Scleria triglomera
Apios americana	Echinacea pallida	✓ Lythrum alatum	Scrophularia lance
Aquilegia canadens	E. virginicus	Mirabilis nyctagin	Selaginella rupest
Arabis lyrata	Equisetum hyemale	Monarda punctata	✓ Senecio aureus
Artemisia ludovici	Erigeron philadelp	Napaea dioica	S. pauperculus
A. serrata	E. pulchellus	Oenothera perennis	Silene antirrhina
✓ Asclepias incarnat	Eupatorium altissi	O. rhombipetala	S. stellata
A. lanuginosa	Galium tinctorium	Onoclea sensibilis	Silphium perfoliat
A. longifolia	Gaura biennis	Orobanche fascicul	Smilacina racemosa
A. ovalifolia	Gentiana crinita	O. uniflora	✓ Solidago riddellii
A. purpurascens	G. flavida	Panicum praecocius	Specularia perfoli
A. sullivantii	G. procera	Parnassia glauca	Spiranthes ochrole
Aster linariifoliu	G. quinquefolia	Parthenium integri	Sporobolus asper
A. pilosus	Gerardia aspera	Parthenocissus ins	S. cryptandrus
A. sagittifolius	G. gattingeri	Pedicularis canade	S. vaginiflorus
A. umbellatus	G. grandiflora	P. lanceolata	Stachys palustris
Astragalus candens	Gnaphalium obtusif	Pentstemon digital	Symphoricarpos occ
✓ Blephilia ciliata	Grindelia squarros	Petalostemum villo	Taenidia integerri
Bromus kalmii	Habenaria leucopha	✓ Phalaris arundinac	Thaspium aureum
Cacalia atriplicif	Hieracium canadens	Phlox glaberrima	Triosteum perfolia
Cacalia suaveolens	Hierochloe odorata	Plantago rugelii	Valeriana ciliata
Callirhoe triangul	Houstonia caerulea	Polemonium reptans	Verbena hastata
Calopogon pulchell	H. longifolium	Polygala polygama	Vernonia fascicula
Carex muhlenbergii	Hystrix patula	P. sanguinea	Vicia angustifolia
C. pensylvanica	Lathyrus ochroleuc	P. verticillata	V. villosa
C. vulpinoidea	Lechea tenuifolia	Polygonatum commut	Viola sagittata
Castilleja coccine	Leptoloma cognatum	Populus tremuloide	Wulfenia bullii
C. sessiliflora	Liatris ligulostyl	Potentilla frutico	Zigadenus elegans
Ceanothus ovatus			

Additional species:

Aster paniculatus
Viola cucullata
Ribes americanum
Viburnum lentago
Glyceria striata

Chelone glabra
Verbena urticarifolia
Juncus dudleyi
Polygonum amphibium
Poa palustris

Presence or Frequency
(Common species only)

PRAIRIES

Arboretum (SE of Headquarters)

Stand No. 33a
Quadrat No.

- ✓ *Achillea millefolium*
- Ambrosia artemisifolia*
- Ambrosia psilostachya*
- Amorpha canescens*
- ✓ *Andropogon gerardi*
- Andropogon scoparius*
- Anemone canadensis*
- Anemone cylindrica*
- Anemone patens*
- ✓ *Antennaria* sp.
- Apocynum androsaemifolium*
- ✓ *Apocynum cannabinum*
- Arenaria stricta*
- Artemisia caudata*
- Asclepias amplexicaulis*
- ✓ *Asclepias syriaca*
- Asclepias tuberosa*
- Asclepias verticillata*
- Asclepias viridiflora*
- Aster azureus*
- Aster ericoides*
- Aster laevis*
- ✓ *Aster novae-angliae*
- Aster oblongifolius*
- Aster ptarmicoides*
- Aster sericeus*
- Baptisia leucantha*
- Baptisia leucophaea*
- Bouteloua curtipendula*
- Bouteloua hirsuta*
- ✓ *Cacalia tuberosa*
- ✓ *Calamagrostis canadensis*
- Ceanothus americanus*
- ✓ *Cicuta maculata*
- ✓ *Cirsium discolor*
- Comandra richardsiana*
- Convolvulus sepium*
- Coreopsis palmata*
- ✓ *Cornus femina*
- Corylus americana*
- ✓ *Desmodium canadense*
- Desmodium illinoense*
- ✓ *Dodecatheon meadia*
- Elymus canadensis*
- ✓ *Equisetum arvense*
- Equisetum kansanum*
- ✓ *Erigeron strigosus*
- Eryngium yuccifolium*
- ✓ *Euphorbia corollata*

- ✓ *Fragaria virginiana*
- ✓ *Galium boreale*
- ✓ *Gentiana andrewsii*
- Gentiana puberula*
- Geranium maculatum*
- Geum triflorum*
- Hedeoma hispida*
- Helianthemum* sp.
- ✓ *Helianthus grosseserratus*
- Helianthus laetiflorus*
- Helianthus occidentalis*
- Helianthus strumosus*
- Heliopsis helianthoides*
- ✓ *Heuchera richardsonii*
- Hieracium longipilum*
- ✓ *Hypoxis hirsuta*
- ✓ *Iris virginica*
- Koeleria cristata*
- ✓ *Krigia biflora*
- Kuhnia eupatorioides*
- Lactuca canadensis*
- Lactuca ludoviciana*
- Lathyrus palustris*
- Lathyrus venosus*
- Lespedeza capitata*
- Liatris aspera*
- Liatris cylindracea*
- ✓ *Liatris pycnostachya*
- ✓ *Lilium michiganense*
- Lilium philadelphicum*
- Linum sulcatum*
- Lithospermum canescens*
- Lithospermum croceum*
- Lithospermum incisum*
- ✓ *Lobelia spicata*
- ✓ *Monarda fistulosa*
- Muhlenbergia cuspidata*
- Muhlenbergia racemosa*
- Oenothera biennis*
- Oxalis violacea*
- ✓ *Oxypolis rigidior*
- Panicum leibergii*
- Panicum oligosanthos*
- Panicum perlongum*
- Panicum virgatum*
- Petalostemum candidum*
- Petalostemum purpureum*
- ✓ *Phlox pilosa*
- Physalis heterophylla*

- Physalis subglabrata*
- Physalis virginiana*
- ✓ *Polygala senega*
- Polytaenia nuttallii*
- Potentilla arguta*
- Potentilla canadensis*
- Prenanthes racemosa*
- Psoralea esculenta*
- ✓ *Pycnanthemum virginicum*
- Pyrus melanocarpa*
- Quercus macrocarpa*
- ✓ *Ratibida pinnata*
- Rhus glabra*
- Rhus radicans*
- ✓ *Rosa* sp.
- ✓ *Rudbeckia hirta*
- Salix humilis*
- ✓ *Saxifraga pensylvanica*
- Scutellaria parvula*
- Silphium integrifolium*
- Silphium laciniatum*
- ✓ *Silphium terebinthinaceum*
- ✓ *Sisyrinchium campestre*
- Smilacina stellata*
- Solidago altissima*
- ✓ *Solidago gigantea*
- Solidago graminifolia*
- Solidago juncea*
- Solidago missouriensis*
- Solidago nemoralis*
- Solidago rigida*
- Solidago speciosa*
- Sorghastrum nutans*
- ✓ *Spartina pectinata*
- ✓ *Spiraea alba*
- Sporobolus heterolepis*
- Stipa spartea*
- Tephrosia virginiana*
- ✓ *Thalictrum dasycarpum*
- ✓ *Tradescantia ohioensis*
- Verbena stricta*
- ✓ *Veronicastrum virginicum*
- Vicia americana*
- Viola pedata*
- ✓ *Viola pedatifida*
- Vitis vulpina*
- Zizia aptera*
- ✓ *Zizia aurea*

Additional species: