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1874

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UC SOUTHERN REGIONAL LIBRARY FACILITY

LECTED IN THE VICINITY OF OQUINWA, HENDERSON COUNTY, ALABAMA

THE LIBRARY
OF
THE UNIVERSITY
OF CALIFORNIA
LOS ANGELES

A LIST

OF

PLANTS

COLLECTED IN THE

VICINITY OF OQUAWKA,

HENDERSON COUNTY, ILLS.,

BY

HARRY N. PATTERSON.

OQUAWKA SPECTATOR PRINT.

1874.

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1874

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1874

PREFACE.

This is intended to be a nearly complete list of the Phænogamous Plants (and Filices) growing in the immediate vicinity of OQUAWKA, ILLINOIS. 709 species are enumerated, (not including Mosses,) and of these I have found 654 within three miles of OQUAWKA.

During the last three years I have kept a careful record of the time of flowering of many of our plants, and thinking this record might be of interest to my correspondents, I give the dates. The record for each year was made without any reference to the dates of other years.

January 1, 1874.

HARRY N. PATTERSON.

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CATALOGUE.

◆◆◆

The ! affixed to dates in the column of "first fls." signifies that the plant was in flower at that time, perhaps a few days earlier; in the column of "last fls." the sign denotes that the plant remained in flower until that date, perhaps a little later.

◆◆◆

RANUNCULACEÆ.	1871.		1872.		1873.	
	First fls. about	Last fls.	First fls. about	Last fls.	First fls. about	Last fls.
<i>Clematis Pitcheri</i> , Torr. & Gr.	May 27		June 11	Aug !	Jun 28 !	
<i>Virginiana</i> , L.			Ang 5			
<i>Anemone Caroliniana</i> , Walt.	April 4	May 11	Apr 23		Apr 23	June 10
<i>cylindrica</i> , Gray.						
<i>Virginiana</i> , L.						
<i>Pennsylvanica</i> , L.	May 14		May 18	July 14	May 22	
<i>Hepatica acutiloba</i> , DC.	Mar 18	April 24	April 8		April 2	May 12
<i>Thalictrum anemonoides</i> , Mx.			Apr 24	May 30!	May 7	
<i>purpurascens</i> , L.	June 3	June 30	June 15			
<i>Ranunculus multifidus</i> , Parsh.	May 7		May 10			
<i>divaricatus</i> , Schrank.					May	
<i>aquatilis</i> , L., var.						
<i>abortivus</i> , L.	April 9	Jun 19!	April 28	Jn 26!	May 4	
<i>Pennsylvanicus</i> , L.						
<i>fascicularis</i> , Muhl.			Apr 24	May 25	April 27	
<i>repens</i> , L.	April 7		Apr 25		May 1	
<i>Isopyrum bitematum</i> , T. & G.	April 4	May 14	April 18	April 28	April 26	
<i>Aquilegia Canadensis</i> , L.	April 26		May 9	July 12	May 17	Aug
<i>Delphinium tricornes</i> , Mx.			May 13		May 20	Jun 12
<i>azureum</i> , Mx.	May 23	June 25	June 4	July 9	June 7	

Prairies and oak barrens throughout the county, near the Mississippi. Near Warsaw, in the adjoining county of Hancock—Dr. MEAD. "Very rare in Ills"—M. S. BENB.

RANUNCULACEÆ.	1871.	1872.	1873.
<i>Actæa alba</i> , Bigel.....		May 18	May 30!
ANONACEÆ.			
<i>Asimina triloba</i> , Dunal.....	Aprl 24	May 12	May 10 May 21
MENISPERMACEÆ.			
<i>Menispermum Canadense</i> , L.		June 1	June 18 June 8
BERBERIDACEÆ.			
<i>Caulophyllum thalictroides</i> Mx	Aprl 26	May 5	
<i>Podophyllum peltatum</i> , L...	May 1	May 18	May 9 June 1
NYMPHÆACEÆ.			
<i>Nelumbium luteum</i> , Willd...	Jul 23!	Sept 10	July 24 Sept 10
<i>Nymphaea tuberosa</i> , Paine...			Jun 12! Sept
<i>Nuphar advena</i> , Ait.....	May 20		May 27 Sept
PAPAVERACEÆ.			
<i>Argemone Mexicana</i> , L.....			
<i>Sanguinaria Canadensis</i> , L...	April 5	Aprl 24!	Aprl 19 May 3 Aprl 12 May 18!
FUMARIACEÆ.			
<i>Dicentra Cucullaria</i> , DC.....	April 6	April 26	April 20 April 23 May 20
<i>Corydalis aurea</i> , v. <i>micrantha</i>			May 14
A single plant found on the river bank a mile north of Oquawka.			
CRUCIFERÆ.			
<i>Nasturtium sessiliflorum</i> , Nutt			
The ordinary ? (tall) form along the edges of ponds, May—June, rather rare. A dwarf form, on sand bars and low river banks is more common, and blooms from May till October.			
<i>N. palustre</i> , DC.....		May 22	*Frost
<i>N. lacustre</i> , Gray.....		June 10	Jul 25!
<i>Dentaria laciniata</i> , Muhl....	April 4	April 28	April 22 May 9 April 26 May 20
<i>Cardamine rhomboidea</i> , DC..	April 13	May 20	May 2 May 25! May 10
<i>hirsuta</i> , L.....	April 7		April 28
<i>Arabis lyrata</i> , L.....	April 6	July	April 18 Aug 7!
<i>dentata</i> , T. & Gr.....	April 25	June 20	May 8
<i>lævigata</i> , DC.....	May 6	July 25	April 30 Jul 18!
<i>hesperidoides</i> , Gray....			June 7 July
<i>Erysimum cheiranthoides</i> , L.	June 15		
<i>Brassica nigra</i> , Gray.....	May 31	June 12	May 25
<i>Sisymbrium officinale</i> , Scop..	May 11	Aug 22!	Jun 8 Sept 1
<i>canescens</i> , Nutt.....			May 1 June 19
<i>Draba Caroliniana</i> , Walt....	Mch 31	Aprl 23	Aprl 17 May 2 Aprl 19 May 12
<i>Capsella Bursa-pastoris</i> , Men.	April 9		Aprl 27 Aprl 25 Frost
<i>Lepidium Virginicum</i> , L....	May 12	May 8	May 16 Frost
CAPPARIDACEÆ.			
<i>Polanisia graveolens</i> , Raf....	May 30	June 6	Frost
<i>Cleome integrifolia</i> , T. & Gr.		June 2	Sept 10 June 27

Introduced. A beautiful plant, native "from New Mexico to the Upper Missouri and Oregon." Well established and slowly spreading along roads, Oquawka.

*Plants marked "Frost" flower until killed by hard frosts in October.

VIOLACEÆ.

1871.

1872.

1873.

Viola cucullata, Ait.....	April 6	Aprl 24 May 30!	Aprl 30
sagittata, Ait.....		Aprl 28 May 26	
delphinifolia, Nutt.....		Aprl 24 May 30	May 2
pedata, L.....	Aprl 12 May 25	May 27 June 6	May 1
var. bicolor.....			
pubescens, Ait.....	April 10	May 5 June	May 3

CISTACEÆ.

6 Helianthemum Canadense, Mx	May 19	May 26 Jul 29!	June 11
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The dates belong to the large, early flowers.

4 Lechea major, Mx.....			
minor, Lam.....			Jun 20! Frost

HYPERICACEÆ.

Hypericum nudiflorum, Mx..	June 19	June 23 Aug 6	
pyramidatum, Ait.....	July 15	June 25 July 28	
sphærocarpon, Mx.....			
corymbosum, Muhl.....			
Canadense, L., v. major.			

CARYOPHYLLACEÆ.

2 Saponaria officinalis, L.....	June 8	June 21	June 24 Frost
3 Vaccaria vulgaris, Host.			

Very rare as yet, along railroads.

Silene stellata, Ait.....	July 1 Aug 17	July 2 Sept 2!	
nivea, DC.....	June 1	June 10 July 14	June 8
3 inflata, Smith.....			
antirrhina, L.....	May 14	May July!	

Arenaria lateriflora, L.....

Stellaria media, Smith.....

Cerastium nutans, Raf.....	April 24	May 6 June!	May 22
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Anyelia dichotoma, Mx.....	June 12		Frost
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Mollugo verticillata, L.....	June 16	June 1	Frost
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PORTULACACEÆ.

Portulaca oleracea, L.....	June 10		Frost
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Talinum teretifolium, Pursh.	June	June 24 Sept!	June 25
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Claytonia Virginica, L.....	Mch 30 May 3	Aprl 16	Aprl 24
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Caroliniana, Mx..... Aprl 12 May 11

MALVACEÆ.

2 Malva rotundifolia, L.....	May 22	June 5	Frost
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Callirhoe triangulata, Gray..	July 24	July 21 Sept	July 13
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Now nearly extinct here.

Sida spinosa, L.....	June 16	July 9	Frost
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Abutilon Avicennæ, Gærtu..	July 15	July 25	Frost
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Hibiscus militaris, Cav.....	July 27	Aug 1	
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Trionum, L.....	June 21	July 9	Frost
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TILIACEÆ.

Tilia Americana, L.....			June 24
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LINACEÆ.

1871.

1872.

1873.

Linum sulcatum, Riddell.... June 9 Sept 25!

GERANIACEÆ.

Geranium maculatum, L.... May 6 June 2 May 11 June 15 May 10
Impatiens pallida, Nutt.... June 10 July 11 Frost
fulva, Nutt..... July 11 Frost
Oxalis violacea, L..... Aprl 24 May 1 June 13 May 2
stricta, L..... May 13 May 21 Frost

RUTACEÆ.

Zanthoxylum American., Mill Aprl 25
Ptelea trifoliata, L..... May 20 June May 25 June 12

ANACARDIACEÆ.

Rhus glabra, L..... June 5 June 17 July 10!
Toxicodendron, L..... May 29 June 4 June 10 Jun 20!
 — *aromatica*, Ait..... May 2 May 22 May 11 May 18 June

VITACEÆ.

Vitis æstivalis, Mx.....
cordifolia, Mx.....
Ampelopsis quinquefolia, Mx. June 12 June 17

RHAMNACEÆ.

Rhamnus lanceolatus, Pursh. May 10 May 25 May 26
 Both the forms noticed in Gray's Manual. Fruit usually small, rarely four lines in diameter and juicy!
Ceanothus Americanus, L... June 8 June 18 July 30 June 25

CELASTRACEÆ.

Celastrus scandens, L..... May 18 May 24 May 26 June 5 May 30
Euonymus atropurpur., Jacq. May 26 June 19 June 6 June 30 June 15

SAPINDACEÆ.

Staphylea trifolia, L..... Aprl 28 May 12 May 9 May 24 May 16
Æsculus glabra, Willd..... Aprl 14 May 20 May 1 May 16 May 8
 Fruit sometimes entirely destitute of prickles, even when young.
Acer saccharinum, Wang... Aprl 10 Aprl 28
dasy carpum, Ehrh..... Mrch 8 Mrch 22 Mch 28 Aprl 9 May 16 Aprl 5
Negundo aceroides, Mœnch.. Aprl 10 Aprl 26 Aprl 21 May 2 Aprl 25 May 16

POLYGALACEÆ.

Polygala incarnata, L..... Sept 24!
sanguinea, L..... June 16 Frost
verticillata, L..... June 24 Frost
Senega, L..... May 6 June 1 May 12 June 30

LEGUMINOSÆ.

Trifolium pratense, L..... May 7 May 15 Frost
repens, L..... May 7 May 15
Melilotus alba, Lam.....
officinalis, Willd.....
Petalostemon violaceus, Mx.. June 18 Sep 17! June 29
candidus, Mx..... June 22 Sep 17! June 21 June 28

LEGUMINOSÆ.

1871.

1872.

1873.

<i>Amorpha fruticosa</i> , L.....	May 20	June 12	May 30	Jun 16!	June 8
<i>canescens</i> , Nutt.....	June 9!	Aug 16	June 21	Aug 23!	
<i>Tephrosia Virginiana</i> , Pers..	June 4	Aug 16	June 22		June 2
<i>Astragalus Canadensis</i> , L....	July 4		July 20	Aug 17!	
<i>Desmodium acuminatum</i> , DC.	June 16	Sept 13	July 3	Aug 25!	
<i>canescens</i> , DC.....					
<i>Illinoense</i> , Gray.....					July 10
<i>Canadense</i> , DC.....					Aug 11
<i>sessilifolium</i> , T. & G....			Aug 5		
<i>Lespedeza violacea</i> , Pers.....	July 28	Sept 15!			
<i>capitata</i> , Mx.....	July 26	Sept 5	Aug 6		
<i>Lathyrus palustris</i> , L.....					
<i>Apios tuberosa</i> , Mœnch.....					
<i>Phaseolus diversifolius</i> , Pers.			July 10		Frost
<i>Amphicarpæa monoica</i> , Nutt.	July 29		Aug 5		Frost
<i>Cercis Canadensis</i> , L.....	Aprl 12	May 6	Aprl 29	May 17	May 12
<i>Baptisia leucantha</i> , T. & Gr..	June 1		June 3	Aug 25!	June 24
<i>leucophæa</i> , Nutt.....	Aprl 28	May 25	May 7	June 6	May 20
<i>Cassia Marilandica</i> , L.....			July 29		June 14
<i>Chamæcrista</i> , L.....	July 3	Sept 15!	July 4		
<i>nictitans</i> , L.....			July 24		Aug 1
3 <i>Gymnocladus Canadensis</i> Lam	May 15	May 26	May 26	June 9	June 4
<i>Gleditschia triacanthos</i> , L..	May 14	May 25	May 30		June 6

ROSACEÆ.

<i>Prunus Americana</i> , Marshall.	Aprl 10	May 3	Aprl 27	May 15	May 5	May 21
" var. ?..			May 1			

Frequent in the Mississippi bottoms. This is the plum I have distributed as *P. Chicasa*, Mx.; but Dr. GRAY pronounces it to be "*P. rivularis*, Scheele—I think not distinct from *P. Americana*." Fruit ripens later than that of the common form, round, red; one edge of the seed sharp, the other grooved. Leaves very smooth and shining.

<i>Virginiana</i> , L.....	May 1	May 12	May 5		May 21	May 31
<i>serotina</i> , Ehrh.....	May 7	May 17	May 16		May 24	June 3
<i>Spiræa opulifolia</i> , L.....	May 18					
<i>Aruncus</i> , L.....	May 30	June 19	June 9	Jun 29!	June 11	
<i>Agrimonia Eupatoria</i> , L....			July 21	Sept 25!		
2 <i>Geum album</i> , Gmelin.....		Aug 2!			June 28	
3 <i>Virginianum</i> , L.....					June 16	
3 <i>Potentilla Norvegica</i> , L....	June 8		June 20		May 30	Frost
<i>Canadensis</i> , L.....	May 13		May 18	Jun 25!	May 21	
<i>arguta</i> , Pursh.....			July 3		June 28	
<i>Fragaria Virginiana</i> , Ehrh...						
<i>Rubus occidentalis</i> , L.....						May 28
<i>villosus</i> , Ait.....		Jun 10!		Jun 12!	June 1	
<i>Rosa blanda</i> , Ait.....						
<i>lucida</i> , Ehrh.....						
<i>Cratægus coccinea</i> , L. ?					May 26	
<i>tomentosa</i> , L.....	Aprl 21	May 11	May 1	May 17	May 13	
<i>Pyrus coronaria</i> , L.....	Aprl 24	May 15	May 9	May 20	May 17	
<i>Amelanchier Canad.</i> , T. & G.	Aprl 11	Aprl 20	Aprl 24	May 7	May 1	May 14

SAXIFRAGACEÆ.

1871.

1872.

1873.

Ribes Cynosbati, L.....					
— rotundifolium, Mx.....	Aprl 15	May 7	Aprl 25	May 12	May 2
floridum, L.....	Aprl 21	May 13	May 8		May 10 May 31
Henckera hispida, Pursh....	May 16	June 8	June 1	June 26	June 25
Mitella diphylla, L.....	Aprl 14		May 11		May 13 May 24

CRASSULACEÆ.

Penthorum sedoides, L.....	June 26	Sept 10	July 7	Sept 5!	
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HALORAGCEÆ.

Myriophyllum scabratum, Mx.			June 18	Aug 20!	June 1
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ONAGRACEÆ.

Circæa Lutetiana, L.....	June 15		June 23	July 31!	June 29
Gaura biennis, L.....					
Epilobium coloratum, Muhl..		Sept 12!	July 15		
Oenothera biennis, L.....	July 10		July 12		Frost
— rhombipetala, Nutt.....	June 15	Sept 1	June 27		June 23
fruticosa, L.....	May 27	June 20	June 6	July 19	June 7
Ludwigia alternifolia, L.....				Aug 7!	
— polycarpa, Short & Peter.			July 28		Frost
— palustris, Ell.....				Sept 28!	

LYTHRACEÆ.

Ammannia humilis, Mx.....					
latifolia, L.....			Aug 8		Frost
— Nuttallii, Gray.....					
Lythrum alatum, Pursh.....	June 12		June 22	Sept 20!	

CACTACEÆ.

Opuntia Rafinesquii, Engelm.			June 16		
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UMBELLIFERÆ.

Sanicula Canadensis, L.....					June 1
Eryngium yuccæfolium, Mx..			July 20	Aug 19!	
Polytænia Nuttallii, DC.....			May 26		June 20
Heracleum lanatum, Mx.....	May 20				June 1
Pastinaca sativa, L.....	May 20				May 27
Archemora rigida, DC.....			July 22		

I have never seen any published notice of one peculiarity of this species: The 6—10 fibrous roots proceeding from the base of the stem bear at their extremities roundish tubers something like those of *Apios tuberosa*, varying in size with the age of the plant, the larger ones an inch or more in thickness.

Thaspium barbinode, Nutt...					June 11
— aureum, var apterum, Gr.					
trifoliatum, Gray.....					
Zizia integrifolia, DC.....			May 18		May 25
Cicuta maculata, L.....	June 27				June 25
Sium lineare, Mx.....	July 26	Sept 20			
Cryptotænia Canadensis, DC.					June 12
Chærophyllyum procumb., Lam					
Osmorrhiza longistylis, DC..	May 14				

CUCURBITACEÆ.

1871.

1872.

1873.

- 3 *Sicyos angulatus*, L. Aug 2
Echinocystis lobata, T. & G. Aug 5

Frost

Aug 3

ARALIACEÆ.

Aralia racemosa, L.

July 17 Aug 13!

2 *quinquefolia*, Gray.

CORNACEÆ.

Cornus sericea, L. ?2 *asperifolia*, Mx.3 *paniculata*, L'Her. May 27 June 123 *alternifolia*, L. May 12 May 18 May 25 May 30 May 30

CAPRIFOLIACEÆ.

Lonicera parviflora, Lam. May 14 May 26*Triosteum perfoliatum*, L. May 20*Sambucus Canadensis*, L. June 1

May 28

May 15 Jun 25! June 1

June 10 Aug 7! June 20

2 *Viburnum Lentago*, L.

May 24

RUBIACEÆ.

- *Galium concinnum*, T. & Gr. June 5

June 11 July 18 June 12

trifidum, L.

June 3

triflorum, Mx. May 7 Sept

Aug 25!

circeazans, Mx.*Cephalanthus occidentalis*, L. July 8 Aug 7! June 29 Aug 25!

COMPOSITÆ.

Vernonia fasciculata, Mx. July 20

July 24

July 27 Frost

Liatis cylindracea, Mx. July 27 Sept 18

Aug 2

Aug 5

scariosa, Willd. Aug 11

Frost

pycnostachya, Mx. July 20

Aug 1

July 24

Kuhnia eupatorioides, L. Aug 1

Aug 18

Eupatorium purpureum, L. July 29*altissimum*, L.

Frost

perfoliatum, L. July 23 Sept 3*serotinum*, Mx.

Aug 10

Aug 11 Frost

ageratoides, L. July 19

Aug 7 Frost

Aster corymbosus, Ait. Sept 1*sericeus*, Vent. Sept 1

Sept 3

Frost

lævis, L., var. *lævigatus*. Sept 5

Frost

azureus, Lindl.

Frost

Shortii, Boott.

Frost

sagittifolius, Willd.

Frost

Drummondii, Lindl.

Sept 10

Frost

multiflorus, Ait.

Sept 12

Frost

dumosus, L.

Frost

miser, Ait.

Frost

simplex, Willd.

Frost

puniceus, var. *vimineus*?*oblongifolius*, Nutt. Sept 13

Sept 14

Frost

Novæ-Angliæ, L. Sept 5*ptarmicoides*, T. & Gray.

Aug 6

COMPOSITÆ.

1871.

1872.

1873.

Erigeron Canadense, L.....	July 10	July 18		Frost
divaricatum, Mx.....		June 12		Frost
An erect form is sometimes scarcely distinguishable from depauperate forms of E. Canadense.				
2 bellidifolium, Muhl.....	May 10	May 11	June 21	
2 Philadelphicum, L.....	May 9	May 17	July 20	May 26
2 annuum, Pers.....	May 30	June 8		Frost
2 strigosum, Muhl.....	May 22	May 28		June 1 Frost
Diplopappus linariifol., Hook.		Sept 3		Frost
Boltonia glastifolia, L'Her...	July 26	July 27		Frost
Solidago latifolia, L.....	Sept 1			Frost
speciosa, Nutt.....				Aug 6 Frost
rigida, L.....	Aug 13			Frost
patula, Muhl.....				
arguta, Ait.....			Aug 6	
ulmifolia, Muhl.....	Sept 4			Frost
nemoralis, Ait.....		Aug 15	Aug 9	Frost
radula, Nutt.....		Sept 14		Frost
Canadensis, L.....	Aug 10			Frost
lanceolata, L.....				
Polymnia Canadensis, L....	June 15	June 21		Frost
3 Silphium laciniatum, L.....	July 3	July 4		June 28 Aug 20!
3 terebinthinaceum, L....				
integrifolium, Mx.....	July 15	Sept 8	July 2	
Leaves often obscurely serrate, sometimes in threes.				
perfoliatum, L.....	July 15	Sept 3	July 3	
Parthenium integrifolium, L.	June 9		June 18	Aug 16 June 10
Ambrosia trifida, L.....	July 19	Sept 12	July 22	Sept 20!
artemisifolia, L.....	July 23		July 26	Frost
psilostachya, DC.....	July 23		July 28	Frost
Xanthium strumarium, L....	Aug 4			
Eclipta procumbens, Mx....				Frost
— Echinacea angustifolia, DC..	June 5	July 12	June 9	July 19! June 23
Rudbeckia laciniata, L.....				Aug 20
— subtomentosa, Pursh ...	July 28	Sept 15	July 26	
— triloba, L.....	July 26	Sept 30	Aug 3	July 26
hirta, L.....	June 6		June 14	June 16 Frost
Lepachys pinnata, T. & Gr..	June 24	Aug 20	July 4	
Helianthus annuus, L.....	July 1		July 16	Frost
rigidus, Desf.....	Aug 5		Aug 1	Aug 1
— latiflorus, Pers.....	July!			
— occidentalis, Riddell....	July 22		July 19	Aug 2
— grosse-serratus, Martens.	Aug 20		July 22	Frost
strumosus, L.....				
Coreopsis palmata, Nutt....	June 8	Aug 11	June 18	
3 tripteris, L.....	Aug 6	Sept 28	Aug 6	
aristosa, var. mutica, Gr.				Frost
3 trichosperma, Mx. ?				
discoidea, T. & Gr.....				Frost

COMPOSITÆ.

1871.

1872.

1873.

Actinomeris squarrosa, Nutt.			Aug 5					
Bidens frondosa, L.....	Aug 14		Aug 13				Frost	
connata, Muhl.....							Frost	
cernua, L.....							Frost	
<Dysodia chrysanthemoides Lag	Aug 9		Aug 16				Frost	
Helenium autumnale, L.....	July 30		Aug 2				Frost	
Maruta Cotula, DC.....	June 1		June 14				Frost	
Achillea Millefolium, L.....	May 20		May 25			May 27	Frost	
Tanacetum vulgare, L.....			July 12					
2 Artemisia caudata, Mx.....	Aug 6	Sept						
Ludoviciana, Nutt.....			July					
2 biennis, Willd.....			Sept				Frost	
Gnaphalium polycephal., Mx								
Antennaria plantagin., Hook.	April 4	May 6	April 25	May 14				
Erechtithites hieracifolia, Raf.	Aug 9!						Frost	
Cacalia tuberosa, Nutt.....			July 7			Jun 28!		
atroplicifolia, L.....	July 22	Sept 17	Aug 4					
Senecio aureus, L.....	April 24		May 6	June 15		May 17	June 14	
3 var. Balsamitæ, Gray.	Included	in above	figures.					
Cirsium lanceolatum, Scop...	June 26		July 13				Frost	
discolor, Spreng.....								
altissimum, Spreng.....	Aug 10		Aug 9			Aug 14	Frost	
pumilum, Spreng.....			June 10	July 17				
Lappa officinalis, Allioni....	July 4	Sep 25!	July 20			July 29		
Cynthia Virginica, Don.....	May 14		May 25	June 27		May 25		
Troximon cuspidatum, Pursh.			May 3			May 6	May 27	
Now nearly extinct here.								
Hieracium scabrum, Mx.....								
longipilum, Torrey.....	July 30		July 23				Frost	
Nabalus albus, Hook.....	Aug 14						Frost	
racemosus, Hook.....								
asper, Torr. & Gray....			Sept 10					
Taraxacum Dens-leonis, Desf.	April 12	July 10	May 3	July 8		May 5!	July 1	
Lactuca Canadensis, L.....								
2 Mulgedium Floridanum, DC.								

LOBELIACEÆ.

Lobelia cardinalis, L.....	July 25		July 27			Frost	
syphilitica, L.....			Aug 17			Frost	
inflata, L.....			July 25			Frost	
spicata, Lam.....	June 1		June 2	July 29			

CAMPANULACEÆ.

Campanula aparinoides, Pursh			July 10				
Americana, L.....	July 6	Sep 30!	July 23				
Specularia perfoliata, A. DC.	June 2		June 6	June 30	June 11		

ERICACEÆ.

Monotropa uniflora, L.....							
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PLANTAGINACEÆ.

1871.

1872.

1873.

Plantago major, L. June 19

Jun 25

Virginica, L. ?

EBENACEÆ.

[Diospyros Virginiana, L...

Said to be found on islands in the Mississippi four miles south of Oquawka, on the Iowa side. (I have seen fruit from this station.) It may grow on the Illinois side, also.

PRIMULACEÆ.

Dodecatheon Meadia, L. Aprl 25 May 20!

May 15 June 7

Lysimachia thyrsiflora, L.

May 22

stricta, Ait.

ciliata, L. June 8

June 17

Agt 12!

lanceolata, Walt.

July 11 Aug 27!

longifolia, Pursh. July 6

July 9 Aug 2!

LENTIBULACEÆ.

Utricularia vulgaris, L.

BIGNONIACEÆ.

Tecoma radicans, Juss. June 8 Aug !

June 24

June 22

Martynia proboscidea, Glox.. June 6

June 13

June 25 Frost

OROBANCHACEÆ.

Aphyllon uniflorum, T. & G.

SCROPHULARIACEÆ.

Verbascum Thapsus, L. June 7

June 24

Frost

Linaria Canadensis, Spreng.. Aprl 25 May 26

May 20

vulgaris, Mill. May 18

June 4

June 12 Frost

Scrophularia nodosa, L. May 19

May 19

May 23 Frost

Chelone glabra, L. Aug 26

Frost

Pentstemon pubescens, Sol.. May 14 July 2

May 16 June 24

May 21

Digitalis, Nutt. June 6

June 9 June 26

June 26

grandiflorus, Fraser.... May 18 June 6

May 25 Jun 15!

Mimulus ringens, L. July 1

July 8

Frost

Conoclea multifida, Benth....

July 28

Frost

Gratiola Virginiana, L.

June 1

sphaerocarpa, Ell.

Frost

Ilysanthes gratioides, Benth

May 24

Frost

Synthyris Houghtoniana, " April 9 May 25

Aprl 26 May 30

May 2

May 30

Veronica Virginica, L. July 3

July 15 Sep 10!

Anagallis, L. June 3

peregrina, L. Aprl 24

May 2 Jun 26!

May 11

Seymeria macrophylla, Nutt. July 29

Aug 4

Gerardia purpurea, L.

Aug 15

Frost

tenuifolia, Vahl.

Aug 12

Aug 12 Frost

pedicularia, L.

Aug 3 Sep 22!

auriculata, Mx.

Sept 1 Sept 20

Castilleja coccinea, Spreng.. May 12

May 12 July 8 May 30

Pedicularis Canadensis, L...

May 2

Jun 10!

lanceolata, Mx. Aug 28

Frost

ACANTHACEÆ.

1871.

1872.

1873.

Dianthera Americana, L.....

June 18 Aug 20

✓ *Ruellia ciliosus*, Nees..... June 6 Sept 30

June 25 Sept 20! June 21

— *strepens*, Nees..... June 3 June 18!

June 25

VERBENACEÆ.

Verbena hastata, L..... June 15

June 25

Frost

— *urticifolia*, L..... June 21

July 2

Frost

— *bracteosa*, Mx..... May 16

Aprl 25

June 2 Frost

— *stricta*, Vent..... June 7

June 18

Jun 21 Frost

Flowers sometimes white—very rarely rose-colored!

Lippia lanceolata, Mx..... June 15

June 24

Frost

2 *Phryma Leptostachya*, L.... June 22 Sept 15!

July 9

June 29

LABIATÆ.

Teuchrium Canadense, L.... June 15 Sept 20!

June 24

June 27

Isanthus cæruleus, Mx.....

Frost

Mentha Canadensis, L.....— *piperita*, L.....*Lycopus Virginicus*, L.....— *Europæus*, L.....✓ *Pycnanthemum pilosum*, Nutt July 15 Sept 30

July 22

— *lanceolatum*, Pursh.....

Sept 15

July 4

— *linifolium*, Pursh..... June 17

July 1

June 26

✓ *Hedeoma hispida*, Pursh.....

July 4

May 25

— *pulegioides*, Pers.....*Monarda punctata*, L..... June 27

July 3

July 5 Frost

2 *fistulosa*, L..... June 25 Aug 22

June 29 Aug 29!

July 3

Clinopodia, L.....Prof. GRAY now considers this to be distinct from *M. fistulosa*.✓ *Lophanthus scrophular.*, Bnth July 23 Sept 25*Blephilia hirsuta*, Benth..... June 25 Aug 31

July 12

July 11

Nepeta Cataria, L.....

Sept 15!

June 25

June 22

Physostegia Virginiana, Bnth

July 25

Frost

✓ *Brunella vulgaris*, L.....*Scutellaria versicolor*, Nutt.. June 3

June 17 Jun 28!

Aug 7!

— *lateriflora*, L..... July 10

Frost

— *parvula*, Mx..... May 17

May 23 Jun 27! May 26

— var. *mollis*, Gray, ined. About the same time.

Frequent along the steep, sandy banks of the Mississippi a mile north of Oquawka, and northward.

Marrubium vulgare, L.....

Frost

3 *Stachys palustris*, L.....

June 12

— var. *aspera*, Gray..... June 6

June 24

Frost

— var. *glabra*, Gray.....*Leonurus Cardiaca*, L..... May 25 Aug 30

June 5

June 5

POLEMONIACEÆ.

3 *Polemonium reptans*, L.....

May 2 May 27 May 8 June 9

Phlox pilosa, L..... May 3 June 10

May 11 June 23 May 22 Jun 19

— *divaricata*, L..... Aprl 16 May 20

May 2 June 1 May 10 June 6

BORRAGINACEÆ.

1871.

1872.

1873.

<i>Symphytum officinale</i> , L.			June 9		
<i>Onosmodium Carolinian.</i> , DC.	June 4	July 30	June 16	July 20	Agst 10!
<i>Lithospermum latifolium</i> , Mx.					
<i>hirtum</i> , Lehm.	April 16		May 1	July 30	April 29
<i>canescens</i> , Lehm.	April 22		May 1	June 25	April 30
<i>angustifolium</i> , Mx.	May 7		May 4		

(*L. longiflorum*, Spreng.) Mr. M. S. BEBB has made the discovery that the specific name "*longiflorum*" can only be properly applied to the early flowering plant. Later in the season the flowers grow smaller and the plant becomes *L. angustifolium*, Mx. ! the older name.

1 <i>Mertensia Virginica</i> , DC.	April 6	May 18	April 28	June 1	April 30	May 30
<i>Echinopspermum Lappula</i> , Leh	May 28		May 16			Frost
<i>Cynoglossum officinale</i> , L.	May 11		May 17		May 21	Aug
<i>Morisoni</i> , DC.	June 29	Sept 15	July 12			

HYDROPHYLLACEÆ.

<i>Hydrophyllum Virginicum</i> , L.				June 17	
<i>appendiculatum</i> , Mx.	May 7	June 10	May 18	June 15!	
<i>Ellisia Nyctelea</i> , L.	April 24		May 6	June 20	May 10
<i>ambigua</i> , Nutt.					

CONVOLVULACEÆ.

<i>Ipomœa lacunosa</i> , L.					Frost
<i>pandurata</i> , Meyer.			July 1	Aug 16!	
<i>Calystegia sepium</i> , R. Br.	June 5	Sept 20!			June 11
<i>Bonamia Pickeringii</i> , Gray..					Frost

Common on a sandy prairie four miles north of Oquawka.

3 <i>Cuscuta tenuiflora</i> , Engelm..	Aug 4	Sept 4!	Aug 12		Aug 12
<i>glomerata</i> , Choisy.	July 29	Sept 18!	Aug 4		Aug 4

SOLANACEÆ.

6 <i>Solanum Dulcamara</i> , L.			June 6	Aug!	
<i>nigrum</i> , L.			June 20		Frost
<i>Carolinense</i> , L.	June 1		June 25		Frost
2 <i>Physalis Philadelphica</i> , Lam.					
<i>pubescens</i> , L. ?					
<i>viscosa</i> , L.					
<i>Pennsylvanica</i> , L.					
<i>var. lanceolata</i> , Gray..					
<i>Nicandra physaloides</i> , Gærtn.			July 25		Frost
<i>Lycium vulgare</i> , Dunal.	April 24		May 2		Frost
<i>Datura Tatula</i> , L.	June 19		June 7		Frost

GENTIANACEÆ.

<i>Gentiana 5 flora</i> , v. <i>occident.</i>	Sept 8				Frost
<i>Andrewsii</i> , Griseb.	Sept 15				Frost
<i>puberula</i> , Mx.	Sept 11				Frost

APOCYNACEÆ.

2 <i>Apocynum cannabinum</i> , L. :					
<i>var. hypericifolium</i> , Gr.	June 4		June 16	Aug!	June 16
<i>var. glaberrimum</i> , Gr..					
3 <i>androsæmifolium</i> , L.	June 4		June 18	July 14	

ASCLEPIADACEÆ.

1871.

1872.

1873.

Asclepias Cornuti, Decaisne..	June 8	Sept 4 !	June 20		June 22
phytolaccoides, Pursh...	May 28	June 20 !	June 23		June 17
purpurascens, L.....	June 5	June 26	June 17		
quadrifolia, Jacq.....					June 12
incarnata, L.....	June 28	Sept 2 !	July 4		
obtusifolia, Mx.....	June 1	June 18	June 6		May 9
tuberosa, L.....	June 5	Aug 14	June 25	Aug 28!	June 23
verticillata, L.....	July 1		July 3	Aug 20!	
2 Acerates viridiflora, Ell.....	June 3		June 15	Aug 19	Aug 15
longifolia, Ell.....	July 6		July 10	Aug 14	

OLEACEÆ.

Fraxinus Americana, L.....	Aprl 7	Aprl 30	Aprl 27	May 5	May 18
quadrangulata, Mx.....					

ARISTOLOCHIACEÆ.

Asarum Canadense, L.....	Aprl 24		May 2	Jun 25!	May 12
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NYCTAGINACEÆ.

Oxybaphus nyctagineus, Sw.	May 18		May 21		June 1 Frost
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CHENOPODIACEÆ.

Cyclocoma platyphyllum, Moq	July 1				Frost
Chenopodium album, L.....	June 15		June 17		Frost
hybridum, L.....					
Botrys, L.....	June 15		June 7		Frost
3 ambrosioides, L.....					
var. anthelminticum Gr			Aug 10		Frost

AMARANTACEÆ.

Amarantus retroflexus, L....			July 10		Frost
albus, L.....					Frost
Montelia tamariscina, Gr....			July 7		Frost
var. concatenata, Gr...					Frost
Frœlichia Floridana, Moq...			July 2		Frost

POLYGONACEÆ.

Polygonum incarnatum, Ell..	June 16		July 1		Frost
Pennsylvanicum, L.....	June 14		July 1		Frost
Persicaria, L.....	June 11		June 28		Frost
Hydropiper, L.....			July 7		Frost
acre, H. B K.....					Frost
hydropiperoides, Mx....					Frost
amphibium, L.....			July 15	Sept !	
Virginianum, L.....	July 20		July 9		
aviculare, L.....	May 26				Frost
var. erectum, Roth...					Frost
ramosissimum, Mx....	July 25				Frost
tenue, Mx.....	July 20		July 20		Frost
Convolvulus, L.....			June 27		Frost
dumetorum, L.....					Frost

POLYGONACEÆ

1871.

1872.

1873.

- 3 *Rumex Britannica*, L.....
verticillatus, L.....
crispus, L.....
Acetosella, L..... May 13 Sept 20 May 6 May 14

SANTALACEÆ

- 3 *Comandra umbellata*, Nutt.. May 9 May 6 Jun 12!

EUPHORBIACEÆ

- *Enphorbia Geyeri*, Engelm... Frost
maculata, L..... June 24 Frost
humistrata, Engelm.... Aug 12 Frost
hypericifolia, L..... June 26 Frost
corollata, L..... June 7 June 6 June 26 Frost
dentata, Mx.....

Acalypha Virginica, L.....

var. *gracilens*, Gray...

Croton glandulosus, L..... June 16

June 24

Frost

URTICACEÆ

Ulmus fulva, Mx..... Mch 20 Aprl 2 Aprl 13 Aprl 22 Aprl 4

Americana, L..... Mch 19 Mch 31 Aprl 10 Aprl 18 Aprl 3

Celtis occidentalis, L.....

Morus rubra, L..... May 1 May 15 May 8 May 18

Laportea Canadensis, Gaudi.

Pilea pumila, Gray.....

Bœhmeria cylindrica, Jacq.. June 25

- 3 *Parietaria Pennsylvan.*, Muhl. May 24

Cannabis sativa, L..... July 18

Humulus Lupulus, L..... Aug 5

PLATANACEÆ

Platanus occidentalis, L.....

May

JUGLANDACEÆ

Juglans nigra, L.....

cinerea, L.....

Carya olivæformis, Nutt....

2 *alba*, Nutt..... May 10

2 *sulcata*, Nutt.....

2 *tomentosa*, Nutt.....

2 *amara*, Nutt.....

CUPULIFERÆ

Quercus alba, L.....

macrocarpa, Mx.....

bicolor, Willd.....

2 *Prinus*, L var. *acuminata*

nigra, L..... Aprl 24 May 14

2 *coccinea*, Wang.....

var. *tinctoria*, Gray...

rubra, L.....

2 *palustris*, Du Roi.....

May 5

CUPULIFERÆ.

1871.

1872.

1873.

Corylus Americana, Walt...	Mch 11	Mch 21	Apr 4	Apr 19	
2 Ostrya Virginica, Willd.....	Apr 12	Apr 25			May 6
Carpinus Americana, Mx....					

BETULACEÆ.

Betula nigra, L.....	Apr 9	Apr 25			May 7.
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SALICACEÆ.

Salix humilis, Marshall.....					
discolor, Muhl.....	Mch 21	Apr 3	Apr 8	Apr 20	Apr 3
cordata, Muhl.....					Apr 17
3 nigra, Marshall.....					Apr 30
var. amygdaloides....					
longifolia, Muhl.....					May 1
lucida, Muhl. ?					
Populus tremuloides, Mx....	Mch 13	Mch 23	Apr 5	Apr 17	Apr 2
3 monilifera, Ait.....	Apr 4	Apr 8	Apr 19	Apr 26	May 6 !

CONIFERÆ.

Juniperus Virginiana, L....					
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ARACEÆ.

Arisæma triphyllum, Torr...	Apr 25		May 7		
Dracontium, Schott....	May 11				
3 Symplocarpus foetidus, Salisb.	Mch 9	Mch 31	Apr 5	Apr 17	Apr 1
3 Acorus Calamus, L.....					June 1

TYPHACEÆ.

Typha latifolia, L.....					
Sparganium eurycarpum, Eng	May 12				June 1

NAIADACEÆ.

Zannichellia palustris, L....					
Potamogeton natans, L....					
hybridus, Mx.....					

ALISMACEÆ.

Alisma Plantago, v. Am., Gr.					
3 Sagittaria variabilis, Engelm.					Frost
calycina, Engelm.....					
heterophylla, Pursh....					
graminea, Mx.....					

ORCHIDACEÆ.

Orchis spectabilis, L.....			May 11		
Spiranthes cernua, Richard..			Sept 14		Frost
gracilis, Bigelow.....	Aug 8	Sept 8 !			
Calopogon pulchellus, R. Br.			June 9	July 1	
Microstylis ophioglossoides, N			June 10		
Liparis liliifolia, Richard....			June 1	June 25	June 8
Corallorhiza odontorhiza, Nutt		Sep 26 !			
2 Cypripedium candidum, Muhl		May 20	May 19		
2 pubescens, Willd.....			May 19		June 1
2 spectabile, Swartz.....	June 12		June 9	June 26	June 12

HYDROCHARIDACEÆ.

1871.

1872.

1873.

Anacharis Canadensis, Planch

AMARYLLIDACEÆ.

Hypoxys erecta, L..... May 5

May 9 June 14 May 10

IRIDACEÆ.

Iris versicolor, L..... May 15 June 20

May 24 June 22 May 31 June 25

Sisyrinchium Bermudianum, L.: Aprl 29

May 4 June 16 May 14

var. mucronatum, Gr.

var. albidum, Gray...

DIOSCOREACEÆ.

Dioscorea villosa, L..... June 19

SMILACEÆ.

Smilax hispida, Muhl.....

May 19

May 29

herbacea, L..... May 6 June 18!

May 16 June 26!

LILIACEÆ.

Trillium recurvatum, Beck... Aprl 12 May 15

May 1 June 1 May 6

erectum, var. declinatum. Aprl 22

May 4

Melanthium Virginicum, L...

June 26

Uvularia grandiflora, Smith... Aprl 18 May 12!

May 12

Aprl 30

Smilacina racemosa, Desf....

May 25 June 12!

stellata, Desf..... May 13 May 23

May 12

Polygonatum biflorum, Ell..

giganteum, Dietrich....

Lilium Philadelphicum, L... June 1

June 13 June 30

June 12

superbum, L.....

July 3

July 2

Erythronium albidum, Nutt.. Aprl 7 Aprl 28

Aprl 25 May 10

Aprl 29

Scilla Fraseri, Gray..... May 7 May 25

May 14 May 27

May 30 June 9

Allium Canadense, Kalm....

JUNCACEÆ.

Juncus bufonius, L.....

nodosus, v. megacephalus

tenuis, Willd.....

PONTEDERIACEÆ.

Pontederia cordata, L..... June 12

Schollera graminea, Willd...

COMMELYNACEÆ.

Commelina Virginica, L....

June 27 Sept!

June 29!

Tradescantia Virginica, L... May 21 Sep 10!

May 20

May 28

CYPERACEÆ.

- Cyperus diandrus*, Torr.
erythrorhizos, Muhl.
inflexus, Muhl.
acuminatus, Torr.
phymatodes, Muhl.
strigosus, L.
Michauxianus, Schultes.
Schweinitzii, Torr.
filiculmis, Vahl.
Hemicarpha subsquarrosa, Nees.
Eleocharis obtusa, Schultes.
Engelmanni, Steud. var. *detonsa*,
 [Gray ined.]

Mississippi bottoms, 1 mile south of Oquawka—rare—with *E. obtusa*. Distinguished from that species by its cylindrical spikes and the short bristles of the perianth; stigmas 2. Bristles abortive or only their bases present in the var.

- palustris*, R. Br.
intermedia, Schultes.
acicularis, R. Br.
Scirpus validus, Vahl.
fluviatilis, Gray.
atrovirens, Muhl.
lineatus, Michx.
Eriophorum, Michx.
Fimbristylis capillaris, Gray.
autumnalis, R. & S.
spadicea, var. *castanea*, Gr.

One mile south of Oquawka. Also in Hancock county, Dr. S. B. MEAD; Kankakee county, Prof. E. J. HILL.

- Scleria triglomerata*, Mx.

CAREX.

(My Carexes were all submitted to, and determined by, Mr. M. S. BEBB.)

- C. *vulpinoidea*, Michx.
crus-corvi, Shuttlew.
stipata, Muhl.
sparganioides, Muhl.
cephaloidea, Dew.
cephalophora, Muhl.
rosea, Schk.
arida, Schw. & Torr.
straminea, Schk.
aperta, Boott.
strieta, Lam.
Meadii, Dewey.
grisea, Wahl.

- Davisii*, Schw. & Torr.
Pennsylvanica, Lam.
pubescens, Muhl.
lanuginosa, Muhl.
trichocarpa, var. *imberbis*, Gray.
hystericina, Willd.
Grayii, Carey.
lupulina, Muhl.
squarrosa, L.
utriculata, Boott.
longirostris, Torrey.

GRAMINEÆ.

- Leersia Virginica*, Willd.
oryzoides, Swartz.
lenticularis, Michx.
Zizania aquatica, L.
Alopecurus geniculatus, L.
Phleum pratense, L.
Vilfa aspera, Beauv.
vaginæflora, Torr.
Sporobolus heterolepis, Gray.
cryptandrus, Gray.
Agrostis perennans, Tuck.
scabra, Willd.
Cinna arundinacea, L.
Muhlenbergia glomerata, Trin.
Mexicana, Trin.
diffusa, Schreb.
Brachyelytrum aristatum, Beauv.
Stipa spartea, Trin.
Aristida gracilis, Ell.
tuberculosa, Nutt.
Spartina cynosuroides, Willd.
Bouteloua hirsuta, Lagasca.
curtipendula, Gray.
Eleusine Indica, Gært. n.
Tricuspis seslerioides, Torr.
purpurea, Gray.

Sandy Prairies and Oak Barrens, with *Bouteloua hirsuta*, *Panicum autumnale*, &c.; common.

- Koeleria cristata*, Pers.
Eatonia obtusata, Gray.
Melica mutica, Walt.
Glyceria nervata, Trin.
fluitans, R. Brown.
Poa pratensis, L.
sylvestris, Gray.

GRAMINEÆ.

- Eragrostis reptans*, Nees.
poæoides, Beauv. ?
 var. *megastachya*, Gr.
pilosa, Beauv.
Frankii, Meyer.
tenuis, Gray.
pectinacea, Gray.
Festuca tenella, Willd.
nutans, Willd.
Bromus secalinus, L.
ciliatus, L.
Phragmites communis, Trin.
Hordeum pratense, Huds.
Elymus Virginicus, L.
Canadensis, L.
striatus, Willd.
Gymnostichum Hystris, Schr.
Phalaris arundinacea, L.
Paspalum læve, Michx.
Panicum filiforme, L.
glabrum, Gaudin.
sanguinale, L.
proliferum, Lam.
capillare, L.
autumnale, Bosc.
virgatum, L.
latifolium, L.
clandestinum, L.
paniciflorum, Ell.
dichotomum, L.
depauperatum, Muhl.
Crus-galli, L.
 var. *hispidum*, Gray.

- Setaria verticillata*, Beauv.
glaucæ, Beauv.
Cenchrus tribuloides, L.
Andropogon furcatus, Muhl.
scoparius, Michx.
Sorghum nutans, Gray.

EQUISETACEÆ.

- 4 *Equisetum arvense*, L.
lævigatum, Braun.

FILICES.

- Adiantum pedatum*, L.
Pteris aquilina, L.
Pellæa atropurpurea, Link.
 4 *Asplenium angustifolium*, Mx.
Filix-fœmina, Bernh.
Phegopteris hexagonoptera, Fee.

- Aspidium acrostichoides*, Swartz.
Cystopteris bulbifera, Bernh.
fragilis, Bernh.

- Struthiopteris Germanica*, Willd.
Osmunda Claytoniana, L.

LYCOPODIACEÆ.

- Selaginella rupestris*, Spring.

HYDROPTERIDES.

- Azolla Caroliniana*, Willd.

MUSCI.

Dr. JAMES kindly determined for me the following Mosses, collected near Oquawka.

- Dicranum rufescens*, Turner.
Ceratodon purpureus, Brid.
Barbula unguiculata, Hedw.
Orthotrichum strangulatum, Beauv.
Schistidium apocarpum, Br. & Sch.
Atrichum undulatum, Beauv.
Polytrichum juniperinum, Hedw.
Timmia megapolitina, Hedw.
Bryum argenteum, L.
cernuum, Hedw.
intermedium, Brid.
cæspitium, L.
Mnium cuspidatum, Hedw.
Bartramia pomiformis, Hedw.
Funaria hygrometrica, Hedw.
 var. *calvescens*.
microstoma,
Physcomitrium pyriforme, Br. & Sch.
Anomodon obtusifolius, Br. & Sch.
Leskea obscura, Hedw.
rostrata, Hedw.
Thelia asprella, Sullivant.
Plyaisæa intricata, Br. Eur.
Platygyrium repens, Br. Eur.
Cylindrothecium sednetrix, Br. Eur.
cladorrhizans, Br. Eur.
compressum, Br. Eur.
Climacium Americanum, Brid.
Hypnum delicatulum, L.
gracile, Br. & Sch.
confertum, Br. & Sch. ?
salebrosum, Hedw.
lætum, Bridel.
acuminatum, Beauv.
polymorphum, Br. & S.
serpens, Hedw.
radicale, Bridel.
riparium, Hedw.

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