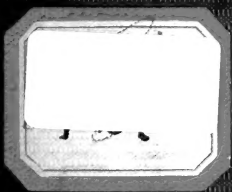


# PLANTS OF ILLINOIS.



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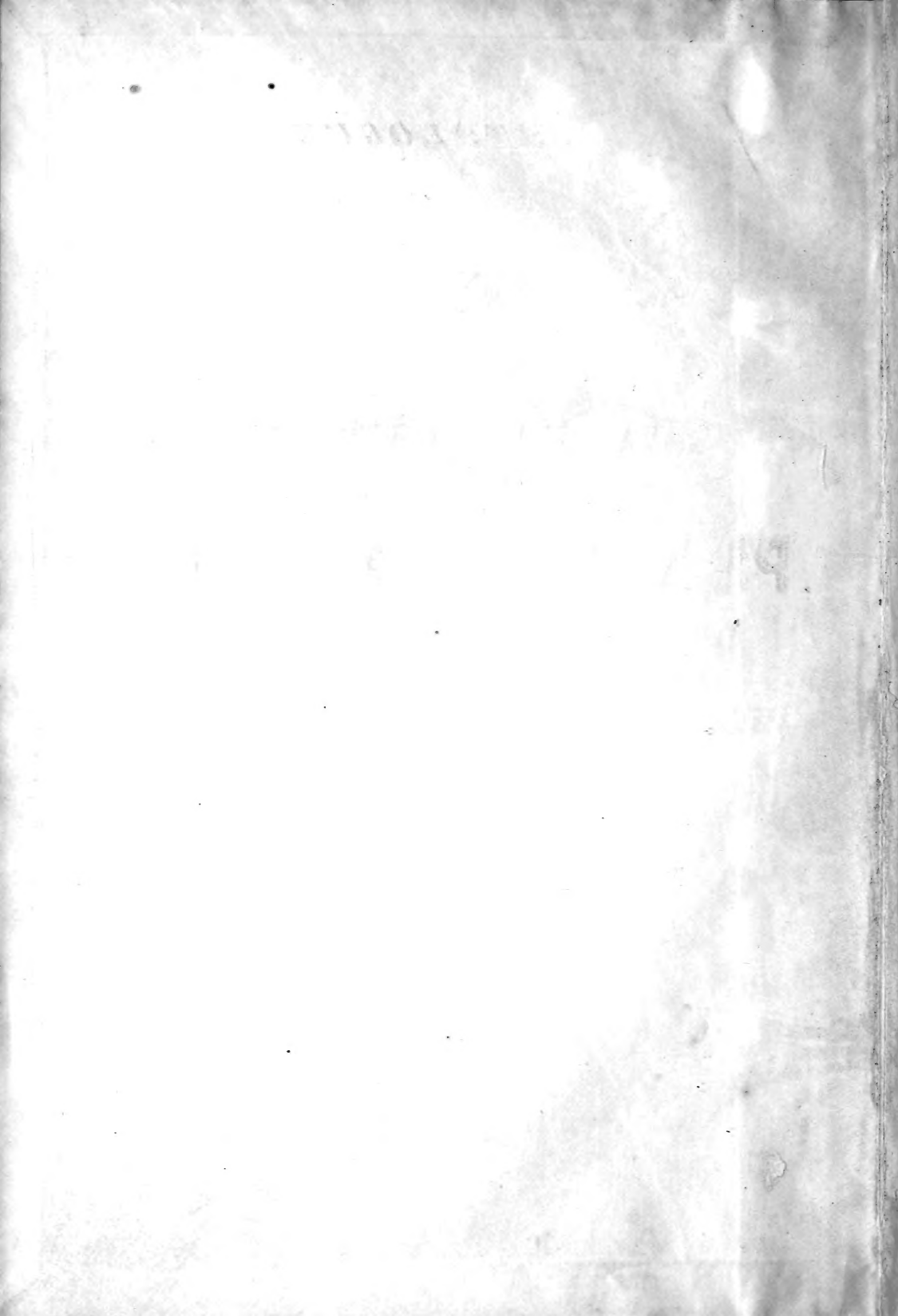
Madison Av. and 49th St. New York.

Given by Dr N. L. Britton.....

*Beside the main topic, this book also treats of*

<i>Subject No.</i>	<i>On page</i>	<i>Subject No.</i>	<i>On page</i>





**CATALOGUE**



—OF THE—

**PHÆNOGAMOUS**

—AND—

**VASCULAR CRYPTOGAMOUS**

**PLANTS OF ILLINOIS.**

**NATIVE AND INTRODUCED.**

*by Harry N. Patterson*



OQUAWKA, ILL.:  
"SPECTATOR" PRINT.  
1876.

QK  
163  
P37



## P R E F A C E .

—o—

The following Catalogue is intended to be an almost complete list of the Phænogamous and higher Cryptogamous Plants of Illinois, with the more common introduced plants. The latter are printed in italics.

My own botanical explorations in the State having been confined to Henderson county, the Catalogue is made up mostly from lists and notes furnished by the following well known Illinois botanists :

- |   |   |
|---|---|
| M. S. BEBB, Fountaindale, Winnebago Co. ; | Dr. FREDERICK BRENDEL, Peoria ;                 |
| Dr. GEO. VASEY, U. S. Botanist ;          | Prof. JOHN WOLF, Canton, Fulton Co. ;           |
| Miss MARY E. HOLMES, Rockford ;           | Prof. S. A. FORBES, Normal, McLean Co. ;        |
| Miss M. E. B. NORTON, Rockford ;          | Dr. S. B. MEAD, Augusta, Hancock Co. ;          |
| Prof. H. H. BABCOCK, Chicago :            | ELIHU HALL, Esq., Athens, Menard Co ;           |
| HENRY F. MUNROE, Esq., Chicago ;          | Dr. J. SCHNECK, Mt. Carmel, Wabash Co. ;        |
| Rev. E. J. HILL, Englewood, Cook Co. ;    | Prof. G. H. FRENCH, Irvington, Washington Co. ; |
- And by Dr. GEO. ENGELMANN of St. Louis, and the late Dr. I. A. LAPHAM of Milwaukee.

The following 14 species are given on the authority of GRAY'S MANUAL : *Draba cuneifolia*, Nutt. ; *Chrysogonum Virginianum*, L. ; *Bidens Beckii*, Torr. ; *Verbesina Virginica*, L. ; *Bumelia lanuginosa*, Pers. ; *Utricularia biflora*, Lam. ; *Stachys hyssopifolia*, Mx. ; *Chamaelirium luteum*, Gray ; *Heteranthera limosa*, Vahl. ; *Carex decomposita*, Muhl. ; *Trisetum palustre*, Torr. ; *Erianthus alopecuroides*, Ell. ; *Houstonia minima*, Beck.

Plants confined to the Northern part of the State are marked N. ; Central C., and Southern S. In many cases the information at hand was not sufficient to indicate the frequency of the plant, but where it seemed to be rare I have usually named all the counties wherein it has been found by the botanists named above.

When unacquainted with the habitat of the plant I have usually copied from GRAY'S MANUAL ; the arrangement of species in the same excellent work has also been followed closely.

List of Natural Orders, with number of Indigenous and Introduced Plants found in Illinois, and whole number of species native in the Northern U. S., Kentucky and Virginia, as given in GRAY'S MANUAL, 5th edition, 8th issue :

Orders.	Ill. Plants.		Indigenous in Northern U. S.		Orders.	Ill. Plants.		Indigenous in Northern U. S.
	Indigenous.	Introduced.				Indigenous.	Introduced.	
Ranunculaceae.....	39	2	55		Cruciferae .....	26	7	46
Magnoliaceae .....	3		5		Capparidaceae.....	1	2	1
Anonaceae .....	1		1		Violaceae .....	11		17
Menispermaceae .....	3		3		Cistaceae .....	4		8
Berberidaceae.....	3		5		Droseraceae.....	2		4
Nymphaeaceae .....	6		6		Hypericaceae.....	15	1	19
Sarraceniacae .....	1		2		Elatinaceae.....	2		1
Papaveraceae .....	2	1	2		Caryophyllaceae .....	14	7	35
Fumariaceae .....	6		7		Portulacaceae.....	3	1	4

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Orders.	Ill. Plants.		Indigenous in Northern U. S.
	Indigenous.	Introduced.	
Malvaceae .....	7	5	12
Tiliaceae .....	2		2
Camelliaceae .....			2
Linaceae .....	4		3
Geraniaceae .....	7		9
Rutaceae .....	2		3
Anacardiaceae.....	6		6
Vitaceae .....	6		8
Rhamnaceae .....	5		6
Celastraceae.....	3		3
Sapindaceae.....	6		10
Polygaceae .....	8		14
Leguminosae .....	69	4	101
Rosaceae .....	50		72
Calycanthaceae .....			3
Saxifragaceae.....	12		35
Crassulaceae .....	3		7
Hamamelaceae.....	2		3
Haloragaceae .....	7		9
Onagraceae .....	18		29
Melastomaceae.....	1		3
Lythraceae.....	6		9
Loasaceae.....	1		1
Cactaceae .....	1		3
Passifloraceae.....	1		2
Cucurbitaceae.....	2		3
Umbelliferae .....	25	3	39
Araliaceae .....	4		6
Cornaceae .....	9		11
Caprifoliaceae .....	14		29
Rubiaceae .....	18		20
Valerianaceae.....	4		7
Dipsacaceae.....		1	
Compositae.....	188	12	289
Lobeliaceae .....	7		13
Campanulaceae.....	5		5
Ericaceae .....	14		68
Galacineae .....			1
Aquifoliaceae .....	2		11
Ebenaceae.....	1		1
Sapotaceae .....	2		2
Styracaceae .....			5
Plantaginaceae.....	5	2	7
Plumbaginaceae.....			1
Primulaceae.....	10	1	16
Lentibulaceae.....	5		13
Bignoniaceae.....	4		4
Orobanchaceae.....	5		5
Scrophulariaceae.....	38	4	54
Acanthaceae.....	3		3
Verbenaceae .....	8		9
Labiatae .....	37	6	51
Borraginaceae.....	11	5	16
Scyrophyllaceae.....	8		12
Polemoniaceae.....	8		14
Convolvulaceae.....	13	2	18
Solanaceae .....	6	5	7
Gentianaceae.....	12		25
Loganiaceae .....	1		5
Apocynaceae .....	4		4
Asclepiadaceae.....	19		23

Orders.	Ill. Plants.		Indigenous in Northern U. S.
	Indigenous.	Introduced.	
O'eaceae .....	6		9
Aristolochiaceae.....	3		6
Nyctaginaceae.....	1		1
Phytolaccaceae.....	1		1
Chenopodiaceae.....	4	7	12
Amarantaceae.....	3	4	5
Polygonaceae .....	21	8	27
Lauraceae .....	2		5
Thymelaeaceae.....	1		1
Elaeagnaceae.....	1		2
Santalaceae.....	1		3
Loranthaceae .....	1		1
Saururaceae .....	1		1
Ceratophyllaceae.....	1		1
Callitricheae.....	4		4
Podostemaceae.....			1
Euphorbiaceae.....	20	2	29
Eupetraceae.....			2
Urticaceae.....	13	2	15
Platanaceae.....	1		1
Juglandaceae.....	8		9
Cupuliferae .....	16		24
Myricaceae.....	1		3
Betulaceae.....	5		11
Salicaceae.....	19		22
Coniferae .....	11		21
Araceae .....	5		7
Lemnaceae .....	5		9
Typhaceae .....	3		5
Naiadaceae .....	18		29
Alismaceae .....	11		14
Hydrocharitaceae.....	3		3
Burmanniaceae.....			1
Orchidaceae .....	28		57
Amaryllidaceae.....	3		4
Hamodoraceae.....	1		4
Bromeliaceae .....			1
Iridaceae .....	3	1	7
Dioscoreaceae.....	1		1
Smilacaceae .....	5		10
Liliaceae.....	32		57
Juncaceae.....	13		31
Pontederiaceae.....	4		4
Commelynaceae.....	5		6
Xyridaceae.....	1		5
Eriocaulonaceae.....			5
Cyperaceae.....	131		248
Gramineae .....	99	21	177
Total Phænogamous.....	1376		2275
Equisetaceae.....	8		11
Filices.....	36		57
Lycopodiaceae.....	5		19
Hydropterides.....	1		3
Total.....	1426	116	2365
No. enumerated in Lap- ham's List, (1856).....	1052	75	
No. species added in this Catalogue .....	374	41	



GEOGRAPHICAL DISTRIBUTION OF ILLINOIS PLANTS.

No. plants found only in the Northern third of the State.....	136	
“ Northern plants extending into or through centre of State 57—Northern plants:	213	
“ confined to Southern third of State.....	156	
“ Southern plants extending into or through centre of State 128—Southern plants:	284	
“ confined to Western portion of the State.....	20	
“ “ “ central “ .....	11	
“ plants (mostly maritime) found only near Lake Michigan..	14	—Of limited range: 542
“ plants ranging throughout the State.....	787	
“ “ whose range is not yet satisfactorily determined.....	97	

I shall be happy to receive, from persons who have collected, or may in future collect in Illinois, information concerning:

I. Any native or thoroughly naturalized plant not given in this Catalogue, with a specimen of the plant:

II. Extension of the range of plants marked N., C., S., &c.—if only to a single county;

III. Notes on any peculiarities of our plants, new hybrids, etc., not mentioned in our Botanies.—These additions and corrections will be issued in a supplement, at the end of each collecting season.

QUAWKA, ILLS., March 1, 1876.

HARRY N. PATTERSON.



# CATALOGUE.

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## RANUNCULACEÆ.

### CLEMATIS

*Viorna*, L. C. & S.

Along Crooked Creek and Illinois River near Beardstown, Mead. Wabash county, Schneck. Near Carbondale, Jackson county, and borders of lakes in Union, Forbes. Rare.

*Pitcheri*, T. & G.

River banks. Near Joliet, Will county, Munroe, and common in Kankakee, Hill; Fulton, Mead; Marion and Sangamon, Bebb; Wabash, Schneck. From Henderson county (rare) southward along the Mississippi. Rather rare.

*Virginiana*, L.

Banks of streams. Rare northward.

### ANEMONE

*patens*, L. var. *Nuttalliana*, Gr. N.

Prairies of the extreme north, where it is not rare; McHenry county, Vasey; Winnebago, Bebb; Jo Daviess, Brendel.

*Caroliniana*, Walt.

Prairies and barrens. Ogle county, Bebb; and southward. Scarce.

*cylindrica*, Gray.

Dry prairies and barrens. Infrequent.

*Virginiana*, L.

With the last species and more common.

*Pennsylvanica*, L.

Low grounds, borders of woods, &c. Common.

*nemorosa*, L.

Woods. Infrequent.

### HEPATICA

*triloba*, Chaix.

Hillsides. McHenry, Vasey; near Joliet, Babcock; along the Wabash River, Forbes, Schneck. Rare.

*acutiloba*, DC.

Hillsides. Common.

### THALICTRUM

*anemonoides*, Michx.

Woods. Common.

*dioicum*, L.

Dry woods, &c. Frequent.

*purpurascens*, L.

Low grounds, borders of thickets, &c. Common.

var. *ceriferum*, C. F. Austin.

With the last, near Chicago, Babcock, and Kankakee, Hill.

*Cornuti*, L.

Low grounds. Frequent.

### TRAUTVETTERIA

*palmata*, Fisch. & Meyer.

In moist ground along a branch of the Sangamon River, near the Mounds, about three miles North-east of Beardstown, Cass county, Mead.

### RANUNCULUS

*divaricatus*, Schrank. C. & N.

Ponds. Frequent in Mississippi bottoms, Henderson county; Hancock, Mead; Menard, Hall; and northward. Scarce.

*aquatilis*, L., v. *trichophyllus*, Chx.

Ponds near Chicago, Babcock; McHenry county, Vasey; Winnebago, Bebb; Wabash, Schneck. Scarce.

*multifidus*, Pursh.

Ponds, throughout the State. Common.

var. *terrestris*, Gray. N.

Hyde Park near Chicago, Babcock.

*oblongifolius*, Ell. S.

Wet prairie near Odin, Marion county, Bebb; St. Clair, Brendel; Jackson, Forbes. Scarce.

- alismaefolius*, Geyer. C. & S.  
Margins of ponds. Hancock county, Mead, and common in Fulton, Wolf; St. Clair, Brendel; Washington, French.
- Cymbalaria*, Pursh. N-E.  
Lake shore near Chicago, Babcock, and Calumet, Hill.
- rhomboideus*, Goldie. N.  
Prairies of the extreme north. Winnebago Co., the very earliest harbinger of spring. Bebb; and McHenry, Vasey.
- abortivus*, L. Common.  
Damp woods along streams.
- var. *micranthus*, Gray.  
With the typical form in Menard county, Hall; Marion, Bebb, and Washington, French.
- sceleratus*, L.  
Near West Side artesian well, Chicago, Munroe.
- recurvatus*, Poir. Common.  
Woods.
- Pennsylvanicus*, L.  
In ditches, along streams, &c.
- fascicularis*, Muhl. Common.  
Dry prairies, hillsides.
- repens*, L. Common.  
Banks of streams, wet meadows.
- var. *HISPIDUS* in Hancock and Washington.
- acris*, L.  
Wabash county, Schneck.
- MYOSURUS  
*minimus*, L. W. & S.  
Damp prairies of Hancock co., Mead; Marion, Bebb, and Washington, French. Rare.
- ISOPYRUM  
*bitermatum*, T. & G. Common.  
Moist, shady places.
- CALTHA  
*palustris*, L. C. & N.  
Wet meadows, &c., from Fulton county (Wolf) northward. Frequent.
- AQUILEGIA  
*Canadensis*, L. Common.  
Rocky hillsides.
- DELPHINIUM  
*Consolida*, L.  
Sparingly escaped from gardens.
- tricornis*, Michx. C. & S.  
Rich prairies, Henderson Co., Peoria (Brendel) and southward. Frequent.
- azureum*, Michx. W.  
Prairies and barrens, not rare in Henderson and Hancock counties near the Mississippi.
- HYDRASTIS  
*Canadensis*, L.  
Rich woods throughout the State, but rare.
- ACTÆA  
*spicata*, L. var. *rubra*, Michx. Scarce.  
Rich woods, Hancock county, Mead, and northward. Also in Wabash, Schneck.
- alba*, Bigel.  
Rich woods, throughout the State.
- CIMICIFUGA  
*racemosa*, Ell.  
Rich woods. St. Clair county, Vasey, Brendel; Wabash, Schneck; Winnebago, Miss Norton. Rare.
- MAGNOLIACEÆ.
- MAGNOLIA  
*acuminata*, L. S.  
Johnson county, Schneck; common in Union, Vasey, Forbes, Wolf.
- Umbrella*, Lam. S.  
This species was given in Mr. I. A. Lapham's Catalogue of Illinois Plants in Trans. Ills. Ag'l Soc'y, Vol. II. He says of it:  
My herbarium contains a specimen of leaves received from the late Robert Kennicott marked "No. 6, Cucumber Magnolia; Cache bottoms." As the leaves are too narrow and too much tufted at the ends of the branches to agree with *M. ACUMINATA*, I added to the label the specific name *UMBRELLA*: this is my authority for including it in the List of Illinois Plants.  
Dr. Brendel has "sought for it in vain along the Cache River, where it is said to grow."
- LIRIODENDRON  
*Tulipifera*, L. S.  
River banks from Jackson and Wabash counties southward.
- ANONACEÆ.
- ASIMINA  
*triloba*, Dunal.  
River bottoms. Lee county near Dixon, Vasey; Kankakee, Hill; rare. More common south.

MENISPERMACEÆ.

COCULUS

Carolinus, DC. S.  
Banks of streams. Wabash county, Schneck ;  
Jackson, French; and southward.

MENISPERMUM

Canadense, L. Common.  
Banks of streams.

CALYCOCARPUM

Lyonii, Nutt. S.  
Jackson county, French, Forbes. Rare.

BERBERIDACEÆ.

CAULOPHYLLUM

thalictroides, Michx. Frequent.  
Rich woods.

JEFFERSONIA

diphylla, Pers.  
Woods. Peoria county, Brendel ; Kankakee,  
Hill ; Kane, Vasey. Rare.

PODOPHYLLUM

peltatum, L. Common.  
Rich woods.

NYPHÆACEÆ.

CABOMBA

Caroliniana, Gray. S.  
Reported by Dr. Schneck as not rare in Wabash  
county. I have not seen specimens.

BRASENIA

peltata, Pursh.  
McHenry Co., Vasey ; Cook, Munroe ; Cass, near  
Beardstown, Mead ; Wabash, Schneck ; Union,  
Forbes. Scarce.

NELUMBICUM

luteum, Willd. Frequent.  
Ponds, throughout the State, especially in the  
Mississippi bottoms.

NYPHÆA

tuberosa, Paine. Common, especially north.  
Ponds and sloughs.

NUPHAR

advena, Ait. Common.  
Ponds and slow streams.

sagittifolia, Pursh. S.  
Wabash county, Schneck.

SARRACENIACEÆ.

SARRACENIA

purpurea, L. N.  
Bogs near Chicago, Babcock ; McHenry, Vasey.

PAPAVERACEÆ.

ARGEMONE

*Mexicana, L.*  
Sparingly escaped from gardens to roadsides  
and waste places.

STYLOPHORUM

diphyllum, Nutt.  
Rich woods. Near Makanda, Jackson county.  
French. Rare.

SANGUINARIA

Canadensis, L. Common.  
Rich woods on hillsides.

FUMARIACEÆ.

ADLUMIA

cirrrosa, Raf. N.  
Ogle county, Bebb ; Kankakee, Hill ; near Lin-  
coln Park, Chicago, probably introduced, Bab-  
cock. Rare.

DICENTRA

Cucullaria, DC. Common.  
Rich woods on hillsides.  
Canadensis, DC. N.  
Frequent about Lockport, Will county, Babcock.

CORYDALIS

glauca, Pursh.  
Very sparingly on a sandstone cliff below Ore-  
gon, Ogle county, Bebb.

flavula, Raf. S.  
Wabash county, Schneck.

aurea, Willd.

Dr. Mead collected specimens in the Mississip-  
pi bottoms, near Warsaw, with pendant pods,  
but without flowers ; in Kankakee county Rev.  
Hill finds plants with mostly the minute flowers  
of the variety MICRANTHA, but some of the up-  
per flowers conspicuously spurred—the pods all  
ascending.

var. micrantha, Engelm.

Sandy river banks, &c., throughout the State.  
Scarce.

NASTURTIUM

officinale, R. Br.  
Northern counties, Bebb, Vasey.

- sessiliflorum*, Nutt. C. & S.  
Henderson, Peoria and Kankakee counties, and southward. Scarce.  
At Oquawka the typical form, growing in the edges of ponds, flowers in May and June, while a dwarf, much branched form, common on sand bars and low banks of the Mississippi, flowers until killed by frost in October.
- obtusum*, Nutt. Rare.  
Menard county, Hall.
- palustre*, DC. Common.  
Low grounds.
- lacustre*, Gray. Frequent.  
Wabash, Schneck; Sangamon, Hall; Hancock, Mead; and northward.
- A Armoracia*, Fries. Frequent.  
Escaped from gardens.
- DENTARIA
- laciniata*, Muhl. Common.  
Rich woods.
- CARDAMINE
- rhomboidea*, DC. Common.  
Along streams.
- var. purpurea*, Torr. N.  
Kankakee, Hill; Chicago, Munroe; Winnebago, Bebb.
- hirsuta*, L. Common.  
Low grounds.
- var. sylvatica*, Gray. C. & S.  
Hancock, Mead; and southward.
- ARABIS
- Ludoviciana*, Meyer. C. & S.  
Banks of the Mississippi near Warsaw, Mead; Fulton county, Wolf; Menard, Hall; common in waste places about Salem, Marion county, Bebb; St. Clair, Brende'.
- lyrata*, L. N.  
Sandy barrens and rocky hills. Kankakee and Cook counties and westward. Common in Henderson.
- dentata*, T. & G.  
Rich woods along streams.
- hirsuta*, Scop.  
Dry woods and rocky hills.
- lævigata*, DC. Infrequent.  
Rocky hillsides.
- Canadensis*, L. C. & N.  
Hancock and Menard counties and northward.
- hesperidoides*, Gray.  
River banks. Will county, Monroe; Peoria, Brende'; Henderson; and southward. Scarce.
- perfoliata*, Lam. N.  
Rocky hillsides. Winnebago county, Miss Norton; Elgin, Kane county, Vasey.
- Drummondii*, Gray. N.  
Rocky hillsides. Lee county near Dixon, Vasey; Winnebago, Bebb.
- BARBAREA
- vulgaris*, R. Br. N.  
McHenry county, Vasey; and about gardens at Augusta, Mead.
- ERYSIMUM
- cheiranthoides*, L. N.  
Banks of streams. Hancock county, Mead, and Henderson; Kankakee, Hill; Winnebago, Bebb. Rare.
- asperum*, DC.,  
*var. Arkansanum*, Nutt. Rare.  
Barrens, Mason and Cass counties, Mead, Wolf.
- SISYMBRIUM
- officinale*, Scop. A common weed.  
Roadsides and waste places.
- canescens*, Nutt. Frequent.  
Throughout the State.
- Sophia*, L.  
Roadsides in a German settlement, Stephenson county, evidently a chance importation from "fatherland"—Bebb.
- BRASSICA
- Sinapisrum*, Boissier. Scarce.  
Fields and waste places. About Chicago, Kankakee, Mt. Carmel, &c.
- nigra*, Gray. Frequent.  
Fields and waste places.
- DRABA
- brachycarpa*, Nutt. S.  
Wabash county, Schneck.
- euneifolia*, Nutt. S.  
Credited to Illinois in Gray's Manual.
- Caroliniana*, Walt. Common.  
Dry prairies and barrens.
- var. micrantha*, Gray.  
Winnebago county, Bebb.

CAPSELLA

*Bursa-pastoris*, *Moench.*

A common weed.

LEPIDIDIUM

*Virginicum*, L.

Roadsides. Common.

*intermedium*, Gray.

Marion and Washington counties, Bebb, French; common about Chicago, Babcock; McHenry, Vasey.

CAKILE

*Americana*, Nutt. N-E.

Lake shore at Chicago, Munroe, Babcock.

CAPPARIDACEÆ.

POLANISIA

*graveolens*, Raf.

Sandy river banks, roadsides. Common north.

CLEOME

*integrifolia*, T. & G.

Common and spreading along roadsides and in waste places about Oquawka; sparingly escaped from cultivation at Chicago, Munroe. As it is not eaten by domestic animals, this pretty plant will probably become a common roadside weed.

*speciosissima*, *Deppe.*

Sparingly escaped from gardens southward.

VIOLACEÆ.

SOLEA

*concolor*, Ging. C. & S.

Woods. Tazewell county, Brendel; Menard, Hall; Marion, Bebb. Rare.

VIOLA

*lanceolata*, L.

Lee county, Vasey; Chicago, Babcock. Rare.

*blanda*, Willd.

Cook county, Babcock, and near Elgin, Vasey.

*cucullata*, Ait.

Low grounds. Common.

*var. palmata*, Gray.

With the typical form. Frequent.

*delphinifolia*, Nutt.

Prairies, throughout. Common.

"In cultivation the leaf seems to revert to *V. cucullata*"—Babcock. "Apparently an extreme variation of *V. palmata*"—Bebb.

*pedata*, L.

Dry prairies and barrens. Flowers sometimes pure white. Common.

*var. bicolor*, Gray.

With the typical form in Henderson county; Hancock, Mead; Peoria, Brendel. Rare.

*sagittata*, Ait.

Prairies and fields. Common.

*canina*, L., *var. sylvestris*, Regel.

Rich woods. Hancock county, Mead; Peoria, Brendel; common near Chicago, Babcock.

*striata*, Ait. C. & S.

Rich woods. Hancock county, Mead; Marion, Bebb; Wabash, Schneck. Scarcely.

*pubescens*, Ait.

Rich woods. Common.

*var. eriocarpa*, Nutt.

Winnebago and Marion counties, Bebb. Rare, or unnoticed.

*var. scabriuscula*, T. & G.

Kankakee county, Hill.

*tricolor*, L., *var. arvensis*, Gray.

Cultivated grounds, Hancock county, Mead; and southward. "Undoubtedly native south," Vasey.

CISTACEÆ.

HELIANTHEMUM

*Canadense*, Michx.

Dry prairies and barrens. Common.

HUDSONIA

*tomentosa*, Nutt. N.

Near Dixon, Vasey. Rare.

LECHEA

*major*, Michx.

Dry prairies and woods. Infrequent.

*minor*, Lam.

Prairies and barrens. Common.

A tall "Western form with strict habit and canescent foliage" in Winnebago county, Bebb.

L. *TENUIFOLIA*, Mx.—Sandstone cliffs, Ogle county, also in Marion, Bebb; common in barrens of Henderson; Adams, Mead.

L. *RACEMULOSA*, Mx.—Schuyler county, Mead.

DROSERACEÆ.

DROSERA

*rotundifolia*, L. N.

Bogs near Chicago, Babcock.

*longifolia*, L. N.  
Near Chicago, Babcock; Kankakee county, Hill.

## HYPERICACEÆ.

## ASCYRUM

*Crux-Andree*, L. S.  
Washington county, French; Union, Brendel.

## HYPERICUM

*pyramidatum*, Ait. C. & N.  
Banks of streams. Menard county, (a single plant,) Hall; Hancock, Mead; Peoria, Brendel; and northward. Rare.

*Kalmianum*, L. N-E.  
Common along lake shore about Chicago, flowering from June to October. Babcock.

*prolificum*, L. C. & S.  
Dry banks of streams in Hancock county, Mead; and southward.

*adpressum*, Barton. S.  
St. Clair county, Brendel; Wabash, Schneck.

*nudiflorum*, Michx.  
Low grounds, Cook and Lee counties, Vasey; and southward. Scarce.

*sphaerocarpon*, Michx.  
Dry prairies and rocky hillsides, throughout the State. Scarce.

*ellipticum*, Hook.  
St. Clair county, Brendel; Fulton, Wolf.

*perforatum*, L.  
Chicago, Babcock; Peoria, Brendel; Wabash county, Schneck. Rare.

*corymbosum*, Muhl.  
Damp places. Common.  
"There is a narrow-leaved variety"—Brendel.

*mutilum*, L. Common.  
Low grounds.

var. *gymnanthum*, Gray.  
Kankakee county, Hill; Hancock, Mead; Mason and Menard, Bebb, Hall. Scarce.

*Canadense*, L.  
Low grounds. Menard county, Hall; and northward.

var. *major*, Gray.  
With the typical form, Hancock county, Mead; Kankakee, Hill; and northward.

*Drummondii*, T. & G. S.  
Marion and Washington counties, Bebb, French; Union, Forbes.

*Sarothra*, Michx. Frequent.  
Sandy grounds.

## ELODES

*Virginica*, Nutt.  
Swamps. McHenry county, Vasey; Peoria, Brendel; and southward.

*petiolata*, Pursh. S.  
Wabash county, Schneck.

## ELATINACEÆ.

## ELATINE

*Americana*, Arnott. C.  
Floating on the surface and rooting in the margin of a stagnant pond in Sangamon county, Bebb; Menard, Hall.

## BERGIA

*Texana*, Seubert.  
"Diffusely branched from the base; stems ascending, puberulent; leaves oblong-spatulate, rather acute, serrate, tapering into a short petiole; flowers on short pedicels, mostly solitary in the axils.—Stems 6–10 in. high, glandular or hispid-pubescent; sepa's denticulate, exceeding the narrowly oblong obtuse petals; stamens 5 or 10; dehiscence septifragal, as in ELATINE, the entire septum remaining attached to the axis."—KING'S REPORT, Vol. V.

Southern Texas; Nevada. Found in St. Clair county, two miles south of St. Louis, by Mr. H. Eggert.—Engelmann.

## CARYOPHYLLACEÆ.

## SAPONARIA

*officinalis*, L.  
Roadsides and waste places about gardens.

## VACCARIA

*vulgaris*, Host.  
In wheat fields, along railroads, &c. Scarce.

## SILENE

*stellata*, Ait. Common.  
Woods.

*nivea*, DC.  
Sangamon county, Bebb; Peoria, Brendel; along creeks in Hancock and Schuyler, Mead; Ogle, Bebb. Also along railroad in Henderson county, and near Chicago, Babcock. Rare.

*inflata*, Smith.  
Occasionally found in wheat fields.

*regia*, Sims. S.  
St. Clair county, Brendel. Rare.



- Virginica, L.**  
Abundant on wooded banks of Desplaines River near Chicago, Babcock. Rare.
- antirrhina, L.**  
Dry prairies and sandy barrens. Common.
- LYCHNIS**  
*Githago, Lam.*  
Wheat fields. Frequent.
- ARENARIA**  
**stricta, Michx.** N.  
Kankakee county, Hill; Winnebago, Bebb; McHenry, Vasey; Cook, Babcock.
- lateriflora, L.** C. & N.  
Damp woods. Hancock county, Mead; and northward. Infrequent.
- STELLARIA**  
*media, Smith.*  
Damp places. Frequent.
- longifolia, Muhl.**  
Wet meadows. Frequent.
- crassifolia, Ehrh.** N.  
Ringwood, McHenry county, Vasey.
- CERASTIUM**  
*vulgatum, L.* Frequent.
- viscosum, L.* Frequent.
- nutans, Raf.** Common.  
Damp places.
- oblongifolium, Torr.**  
Wabash county, Schneck; Lee, Vasey; Kankakee, Hill; Winnebago, Bebb. Scarce.
- SAGINA**  
**subulata, Wimmer?** S.  
Common in Jackson and Union counties, Vasey, Forbes. "Apetalous late in the season," Vasey.
- ANYCHIA**  
**dichotoma, Michx.**  
Dry woods, &c. Common.
- MOLLUGO**  
**verticillata, L.** Common.  
Roadsides, sandy river banks.
- PORTULACACEÆ**
- PORTULACA**  
*oleracea, L.*  
A common weed in gardens and fields.
- TALINUM**  
**teretifolium, Pursh.**  
Sandy prairies and barrens. Henderson county; Ogle, Bebb; near Dixon, Vasey. Rare, or overlooked. Easily found when the flowers are expanded. About four o'clock in the afternoon.
- CLAYTONIA**  
**Virginica, L.** Common.  
Rich woods.
- Caroliniana, Michx.**  
With the last in Hancock county, Mead; near Chicago, Vasey. Rare.
- MALVACEÆ**
- MALVA**  
*rotundifolia, L.* Common.  
Roadsides and waste places.
- sylvestris, L.*  
Spring'y escaped from gardens.
- CALLIRHOE**  
**triangulata, Gray.**  
Sandy barrens. Cass county, Mead; and northward. Scarce.
- NAPÆA**  
**dioica, L.** C. & N.  
Open bushy places near Peca'onica, Winnebago county, and along Railroad near Freeport, Bebb; McHenry county, Vasey; Will, Munroe; Peoria. Brendel; along Spoon River, Fulton county. Mead, Wolf. Rare.
- MALVASTRUM**  
**angustum, Gray.** W.  
On Rock Island, 1866—the locality now covered with buildings—Engelmann.
- SPHERALCEA**  
**acerifolia, Nutt.** N.  
"Scabrous with a stellate pubescence; leaves cordate, deeply 5-7-lobed; lobes acute, coarsely serrate; racemes leafy below, naked above, the flowers clustered on short peduncles; carpels 12-14, pointless. Stem 3-6 feet high, much branched; leaves 2-6 in. in diameter; petals  $\frac{3}{4}$ -1½ in. in length, light purple or nearly white." —KING'S REPORT, Vol. V.  
A pretty plant, formerly found only near the Pacific coast. Discovered by Rev. E. J. Hill on an island in the Kankakee River near Alton, Kankakee county.
- SIDA**  
*spinosa, L.* C. & S.  
Roadsides and waste places. Common in Henderson county; Peoria, Brendel; and southward.

## ABUTILON

*Avicennæ, Gærtn.*

Fields and waste places. Becoming too common in many places.

## HIBISCUS

*Moscheutos, L.*

S.

River banks. St. Clair county, Brendel; Wabash, Schneck.

*grandiflorus, Michx.*

S.

River banks. Marion county, Bebb; Washington, French; Wabash, Schneck; and southward.

*militaris, Cav.*

C. &amp; S.

River banks. Henderson county; Peoria, Munroe, Brendel; Kankakee, Hill; and southward. Frequent.

*Trionum, L.*

Escaped from gardens to roadsides and waste places. Frequent.

## TILIACEÆ.

## TILIA

*Americana, L.*

River banks. Common.

*var. pubescens, Gray.*

Fulton county, Wolf.

*heterophylla, Vent.*

Fulton county, Wolf; Wabash, Schneck.

## LINACEÆ.

## LINUM

*Virginianum, L.*

Dry soils. McHenry, Vasey; near Chicago, Munroe; and frequent southward.

*striatum, Walt.*

Richview, Washington county, Vasey.

*sulcatum, Riddell.*

Prairies. Frequent.

## GERANIACEÆ.

## GERANIUM

*maculatum, L.*

In woods. Common.

*Carolinianum, L.*

Throughout the State. Frequent.

## FLÆRKEA

*proserpinacoides, Willd.*

Banks of streams, &c. Peoria county, Brendel, Wolf; near Chicago, Munroe, Babcock. Rare.

## IMPATIENS

*pallida, Nutt.*

Rich woods along streams. Common.

*fulva, Nutt.*

With the last. Common.

## OXALIS

*violacea, L.*

Dry prairies and hillsides. Common.

*stricta, L.*

Open woods, roadsides and waste places. Common.

## RUTACEÆ.

## ZANTHOXYLUM

*Americanum, Mill.*

Rocky hillsides and banks of streams. Frequent.

## PTELEA

*trifoliata, L.*

Banks of streams. Common.

## ANACARDIACEÆ.

## RHUS

*typhina, L.*

Chicago, Vasey; Wabash county, Schneck; in herb. Miss Holmes from Bureau county. Rare.

*glabra, L.*

Hillsides. Common.

*copallina, L.*

Rocky hillsides. Ogle county, Bebb; McHenry, Vasey; Chicago, Babcock; also from Adams county, Mead, southward.

*venenata, DC.*

N.

Swamps, McHenry county, Vasey; near Chicago, Babcock.

*Toxicodendron, L.*

Rich woods along streams, &c. Common.

*aromatica, Ait.*

Sandy river banks. Infrequent.

## VITACEÆ.

## VITIS

*æstivalis, Michx.*

Woods along streams. Common.

var. ? *cinerea*, Engelm.

River banks. Common at Canton landing on the Illinois River. Fulton county. Wolf; Menard, Hall; and southward.

*cordifolia*, Michx.

Woods. Common.

*riparia*, Michx.

With the last.

*indivisa*, Willd. C. & S.

River banks. Schuyler county. Mead; St. Clair, Brendel; Jackson and Union. Vasey, French, Forbes.

*bipinnata*, T. & G. S.

Near Chester, Randolph county, Mead; Grand Tower, Jackson county, French. Forbes; Union, Wolf, and Pulaski, Brendel.

AMPELOPSIS

*quinquefolia*, Michx.

Woods. Common.

RHAMNACEÆ.

RHAMNUS

*lanceolatus*, Parsh. C.

River banks. From Henderson, Hancock and Menard counties eastward. Infrequent.

*alnifolius*, L'Her. N.

Swamps. Peoria county, Brendel; McHenry, Vasey. Rare.

FRANGULA

*Caroliniana*, Gray. S.

River banks. Grand Tower, Jackson county, Vasey, Brendel, &c.; Union, Wolf.

CEANOTHUS

*Americanus*, L.

Dry prairies and barrens. Common.

*ovalis*, Bigel. N.

Winnebago county, near Beloit, Wis., Bebb.

CELASTRACEÆ.

CELASTRUS

*scandens*, L.

Woods along streams. Common.

EUONYMUS

*atropurpureus*, Jacq.

Rich woods. Common.

*Americanus*, L.

Near Chicago, Babcock; Wabash Co., Schneck. Rare.

var. *obovatus*, T. & G.

Riverside, Cook county, Babcock. Munroe; Jackson county, Vasey. Rare.

SAPINDACEÆ.

STAPHYLEA

*trifolia*, L.

Woods along streams. Frequent.

ÆSCULUS

*glabra*, Willd. C. & S.

River banks. Henderson county; Peoria, Brendel; and southward. Common.

A tree with smooth fruit near Oquawka.

ACER

*saccharinum*, Wang.

River banks. Common.

var. *nigrum*, Gray. C. & S.

Hancock county, Mead; and southward.

*dasycarpum*, Ehrh.

River banks. Common.

*rubrum*, L.

River banks. Marion county, Bebb; and common southward.

NEGUNDO

*aceroides*, Mœnch.

River banks. Common.

POLYGALACEÆ.

POLYGALA

*incarnata*, L.

Prairies. Scarce.

*sanguinea*, L.

Wet meadows. Common.

*cruciata*, L. N.

Borders of swamps. Lee county, Vasey; Kankakee, Hill; and northward. Frequent.

*verticillata*, L.

Dry prairies and barrens. Common.

*ambigua*, Nutt.

Chicago, Vasey; Hancock county, Mead; Marion, Bebb; Washington, French.

*Senega*, L.

Prairies and open woods. Common.

var. *latifolia*, T. & G.

With the typical form in Henderson county; Marion county, Bebb.

polygama, Walt.	C. & N.	PETALOSTEMON	
Cass county, Mead; Kankakee, Hill; Chicago, Babcock.	Scarce.	violaceus, Michx.	
paucifolia, Willd.	N.	Prairies.	Common.
Thornton, Cook county, Hill.	Rare.	candidus, Michx.	
		Prairies.	Common.
		foliosus, Gray.	
		Banks of Fox River, Kane county, Burgess Truesdell, in Gray's Manual; on the gravelly banks of an island in the Kankakee River, near Alton, Kankakee county, Rev. Hill found a few plants in 1873.	Very rare.
		LEGUMINOSÆ	
LUPINUS		AMORPHA	
perennis, L.		fruticosa, L.	
Kankakee county, Hill; Ogle, Bebb; McHenry, Miss Holmes; common about Chicago, Babcock. I do not hear of it southward.		Banks of streams.	Frequent.
CROTALARIA		canescens, Nutt.	
sagittalis, L.	C. & S.	Prairies and barrens.	Common.
Peoria county, Brendel; Cass, Mead; and common southward.		ROBINIA	
TRIFOLIUM		Pseudacacia, L.	S.
arvense, L.		Commonly cultivated and spontaneous. "Undoubtedly indigenous on the banks of the Ohio," Vasey, Forbes.	
Roadsides, &c.	Scarce.	WISTARIA	
pratense, L.		frutescens, DC.	S.
Common in fields, &c.		Washington county, French; Wabash, Schneck.	
reflexum, L.		TEPHROSIA	
Near Chicago, Babcock; Peoria county, Brendel; Fulton, Wolf; Marion, Bebb; Jackson and Union, Forbes.	Scarce.	Virginiana, Pers.	
stoloniferum, Muhl.		Prairies and barrens.	Common.
Hancock county, Mead; Washington, French.		ASTRAGALUS	
repens, L.		Mexicanus, A. DC.	S.
Everywhere.		Near Alton, Miss Holmes; St. Clair county, Brendel.	
MELILOTUS		Plattensis, Nutt.,	
officinalis, Willd.		var. Tennesseeensis, Gray.	
Waste places.	Scarce.	Sandy banks of Rock River, Ogle county, 1858, but not since found, Bebb; Will county, Vasey.	
alba, Lam.		Canadensis, L.	
Waste places about gardens.	Frequent.	Banks of streams.	Common.
PSORALEA		distortus, T. & G.	
Onobrychis, Nutt.		Mason county, Mead, Bebb; Menard, Hall.	
River banks. Kankakee (abundant) Hill; Hancock, Mead; Peoria, Brendel; and southward.	Scarce.	DESMODIUM	
mellilotoides, Michx.	S.	nudiflorum, DC.	
Marion, Bebb; St. Clair, Brendel; and southward.		Woods.	Common.
floribunda, Nutt.		acuminatum, DC.	
Cook county, Babcock, and Will, Hill; Peoria, Brendel; Hancock, Mead; Menard, Hall.	Rare.	Woods.	Common.
DALEA		pauciflorum, DC.	
alopecuroides, Willd.	S.	Woods. Near Chicago, Munroe; Peoria, Brendel; and southward.	Scarce.
St. Clair county, Brendel; Union, Vasey.			

*rotundifolium*, DC. S.  
Jackson county, French, Vasey ; Union, Forbes.

*canescens*, DC. Frequent.  
Damp places.

*cuspidatum*, T. & G. Frequent.  
Woods.  
A hairy form of this species found in Marion county, Bebb ; Fulton, Wolf.

*lævigatum*, DC. S.  
Jackson county, and southward, Vasey.

*viridiflorum*, Beck. S.  
Washington county, French ; Wabash, Schneck ; and southward.

*Dilleni*, Darlington.  
Peoria county, Brendel ; Kankakee, Hill ; and southward.

*paniculatum*, DC.  
Peoria county, Brendel ; and southward.

*Canadense*, DC. Common.  
Open woods and prairies.

*Illinoense*, Gray.  
"Resembling *D. CANESCENS* in leaves and flowers, but *D. RIGIDUM* in raceme and fruit. Stem 3-5 feet high, with the leaves roughish with fine pubescence, leaflets ovate-oblong or ovate-lanceolate, 2-4 inches long, subcoriaceous, whitish beneath, much reticulated with rather prominent veins and veinlets, lateral nearly equalling the petiole ; persistent stipules and deciduous bracts ovate-lanceolate, taper pointed, striate ; pod slightly stalked, scarcely more than an inch in length, sinuate at the sutures on both sides, more deeply below, joints 3-5, oval, not exceeding 3 lines in length."  
Dry prairies and hillsides, from Marion county (Bebb) northward. Frequent.

*sessilifolium*, T. & G. Frequent.  
Dry hillsides, &c.

*rigidum*, DC. S.  
Dry hillsides, &c., southward, Vasey, Schneck.

*ciliare*, DC. C. & S.  
Menard county, Hall ; and southward.

*Marilandicum*, Boott. C. & S.  
Menard county, Hall ; and southward.

LESPEDEZA

*procumbens*, Michx. S.  
Cobden, Union county, and southward, Vasey.

*repens*, T. & G. S.  
Washington county and southward, Vasey.

*violacea*, Pers. Common.  
Dry woods.  
The vars. *DIVERGENS*, *SESSILIFLORA* and *ANGUSTIFOLIA* all occur in the State.

*hirta*, Ell. Washington county, Vasey ; and southward.

*capitata*, Michx. Common.  
Dry prairies and barrens.

var. *angustifolia*, Gray.  
Winnebago county, Bebb ; McHenry, Vasey ; Hancock, Mead.

STYLOSANTHES

*elator*, Swartz. S.  
Jackson and Union counties.

VICIA

*Caroliniana*, Walt. N.  
Common in northern counties.

*Americana*, Muhl. C. & N.  
Peoria county, Brendel ; and common north.

LATHYRUS

*maritimus*, Bigel. N-E.  
Sands of lake shore about Chicago, Babcock.

*venosus*, Muhl. N.  
Kankakee county, Hill ; and northward.

*ochroleucus*, Hook. N.  
About Chicago, Munroe, Babcock ; McHenry, Vasey.

*palustris*, L. Frequent.  
Low grounds.

var. *myrtifolius*, Gray. N.  
Kankakee county, Hill ; near Chicago, Babcock.

APIOS

*tuberosa*, Mœnch. Frequent.  
Woods along streams.  
Very rarely found in fruit in Illinois.

PHASEOLUS

*perennis*, Walt. S.  
Madison Co., Miss Holmes ; Wabash, Schneck ; Union and Franklin, Forbes.

*diversifolius*, Pers. Common.  
Sandy river banks.

*helvolus*, L. C. & S.  
Peoria county, Brendel ; and southward.

*pauciflorus*, Benth.  
Banks of Rock River in Ogle county, Bebb ; and southward.

## CLITORIA

*Mariana*, L. S.

Frequent in thickets in Jackson county. Forbes.

## AMPHICARPÆA

*monoica*, Nutt.

Rich woods. Common.

## GALACTIA

*mollis*, Michx. S.

Jackson county and southward, Forbes.

## BAPTISIA

*tinctoria*, R. Br.

Northern counties, Miss Holmes.

*leucantha*, T. & G.

Low prairies. Common.

*leucophæa*, Nutt.

Sandy prairies and barrens. Common.

## CERCIS

*Canadensis*, L. C. & S.

River banks. Henderson, Peoria and Kankakee counties, and southward. Common.

## CASSIA

*Marilandica*, L.

River banks. Frequent.

*obtusifolia*, L. S.

Banks of the Ohio, Vasey, Brendel.

*Chamæcrista*, L.

Sandy river banks, &c. Common.

*nictitans*, L. C. & S.

Sandy barrens. Henderson county; and southward.

## GYMNOCLADUS

*Canadensis*, Lam.

Near Chicago, Babcock; Peoria county, Brendel; Henderson; and southward. Frequent.

## GLEDITSCHIA

*triacanthos*, L. C. & S.

River banks, from Kankakee. Peoria and Henderson counties southward. Common.

*monosperma*, Walt. S.

Jackson county, Forbes; Union, near Jonesboro, Vasey; Pulaski, Brendel. Rare.

## DESMANTHUS

*brachylobus*, Benth. C. & S.

Kankakee county, Hill; Peoria, Brendel, Munroe; and southward.

## ROSACEÆ.

## PRUNUS

*Americana*, Marshall.

Low grounds. Common.

*Chicasa*, Michx. S.

West of Jonesboro, Union county, Vasey.

*pumila*, L. N.

Sandstone cliffs, Ogle county, Bebb; Kankakee, Hill; and northward.

*Pennsylvanica*, L. N.

Winnebago county, Bebb; McHenry, Vasey; Lake shore near Chicago, H. A. Warne.

*Virginiana*, L.

Banks of streams. Common.

*serotina*, Ehrh.

Rich woods. Common.

## SPIRÆA

*opulifolia*, L.

Rocky banks of streams. Frequent.

*salicifolia*, Raf.

Low grounds. Frequent.

*tomentosa*, L.

Kankakee county, Hill; near Chicago, Babcock.

*lobata*, Murr. C.

Peoria county, Brendel; Fulton, Wolf; Tazewell, Munroe; Mason, Hall; Cass, Mead. I do not hear of it north or south.

*Aruncus*, L. C. & S.

Woods. Peoria, Brendel; and southward.

## GILLENIA

*stipulacea*, Nutt. C. & S.

Schuyler county, Mead; Sangamon, Bebb; and southward.

## POTERIUM

*Canadense*, Gray.

Near Beardstown, Cass county, Mead.

## AGRIMONIA

*Eupatoria*, L.

Open woods. Common.

*parviflora*, Ait.

With the last. Frequent.

## GEUM

*album*, Gmelin.

Woods. Common.

- Virginianum*, L.  
Woods. Infrequent.
- macrophyllum*, Willd. N.  
McHenry county, Vasey.
- strictum*, Ait. C. & N.  
Wet meadows. Fulton county, Wolf; Kankakee, Hill; and northward.
- vernum*, T. & G. C. & S.  
Hancock county, Mead; and southward. Rare.
- rivale*, L. N.  
Near Elgin, Kane county, Vasey; McHenry, Miss Holmes. Rare.
- triflorum*, Pursh. N.  
McHenry county, Vasey; Winnebago, Bebb.  
"One of the few rare plants of our northern prairies which seems thus far to hold its place—growing as it does on sterile knolls too stony to plow and too poor to give blue grass a chance for encroachment; either cattle leave it alone or else the leaves lie so flat on the ground as to escape pasturage."—Bebb.
- POTENTILLA
- Norvegica*, L. Common.  
Low grounds.
- paradoxa*, Nutt. S.W.  
St. Clair county, Brendel.
- Canadensis*, L. Common.  
Dry hillsides, &c.
- arguta*, Pursh. C. & N.  
Prairies. Menard county, Hall; and northward.
- Anserina*, L. N.  
Common in damp sandy soil along lake shore about Chicago.
- fruticosa*, L. N.  
Low grounds about Chicago, Babcock, and Kane county, Miss Holmes.
- palustris*, Scop. N.  
McHenry county, Vasey.
- FRAGARIA
- Virginiana*, Ehrh. Common.  
Hillsides and barrens.
- var. *Illinoensis*, Gray.  
With the typical form; scarce, or not distinguished from it by most persons.
- vesca*, L. Apparently scarce.  
Shady hillsides, &c.
- RUBUS
- triflorus*, Richard. N.  
Kane county, Miss Holmes; Cook county, near Evanston, Vasey, Calumet, Babcock.
- strigosus*, Michx. Ogle county, Bebb; McHenry, Vasey; Chicago, Babcock; also in Washington county, French.
- occidentalis*, L. Common.  
Open woods.
- villosus*, Ait. Common.  
With the last.
- Canadensis*, L. Near Chicago, Babcock. Menard county, Hall; and southward. Probably rare northward.
- hispidus*, L. N.  
Kankakee county, Hill; Chicago, Babcock.
- ROSA
- setigera*, Michx. C. & S.  
Peoria county, Brendel; and southward.
- Carolina*, L. Frequent.  
Low grounds, throughout.
- lucida*, Ehrh. Common.  
Hillsides, &c.
- blanda*, Ait. Common.  
With the last.
- CRATÆGUS
- cordata*, Ait. Wabash county, Schneck.
- coccinea*, L. Common.  
Woods.
- tomentosa*, L.:  
var. *pyrifolia*, Gray. Kankakee county, Hill.
- var. *punctata*, Gray. Frequent.
- var. *mollis*, Gray. Frequent.
- Crus-galli*, L. Common.  
Woods.
- PYRUS
- coronaria*, L. Common.  
Banks of streams.
- angustifolia*, Ait. S.  
Washington county, French; Wabash, Schneck.
- arbutifolia*, L. N.  
Kankakee county, Hill; Ogle, Bebb.

## AMELANCHIER

*Canadensis*, T. & G. :var. *Botryapium*, Gray.

Rocky banks of streams. Frequent.

var. *oblongifolia*, Gray.

Cliffs near Oregon, Ogle county, Bebb; Makanda, Jackson county, French.

var. *rotundifolia*, Gray.

Near Chicago, Babcock; Fountain Bluff, Jackson county, French.

var. *alnifolia*, Gray.

Ogle county, Bebb.

## SAXIFRAGACEÆ.

## RIBES

*Cynosbati*, L. C. & N.

Rocky banks of streams. Henderson county; Kankakee, Hill; and northward.

*hirtellum*, Michx. N.

Evanston, Cook county, Vasey.

*rotundifolium*, Michx. C. & N.

Open woods. Henderson, Peoria and Kankakee counties; and northward.

*floridum*, L.Rich woods along streams. Frequent.  
I do not hear of it south of Menard county.

## HYDRANGEA

*arborescens*, L. C. & S.

Peoria county, Brendel, Munroe; and southward.

## PARNASSIA

*Caroliniana*, Michx.

Marion county, Bebb; and northward. Frequent.

## SAXIFRAGA

*Pennsylvanica*, L. C. & N.

Bogs. Peoria county, Brendel; and northward. Common.

*Forbesii*, Vasey. S.

Damp hillside 1 mile north of Makanda, Jackson county, east side of railroad—May, June—Forbes; Cobden, Union county, Vasey.

## HEUCHERA

*Rugellii*, Shuttlew. S.

Common on Union county bluffs, July and Aug., Forbes; Jackson county, French.

*Americana*, L.

Marion county, Bebb; and southward.

*hispidia*, Pursh.

Hillsides. Marion county, Bebb; and northward. Frequent.

## MITELLA

*diphylla*, L.

Damp hillsides. Scarce.

## CRASSULACEÆ.

## PENTHORUM

*sedoides*, L.

Wet places. Common.

## SEDUM

*pulchellum*, Michx. S.

Jackson and Union counties, Vasey, French.

*ternatum*, Michx.

Rocky woods. Kankakee county, Hill; Wabash, Schneck. Rare.

## HAMAMELACEÆ.

## HAMAMELIS

*Virginica*, L.

Damp woods. White county, Schneck; Peoria, Brendel; and frequent northward.

## LIQUIDAMBAR

*Styraciflua*, L. S.

Wabash and Jackson counties, and southward.

## HALORAGEÆ.

## MYRIOPHYLLUM

*spicatum*, L.

McHenry county, in Fox river, Vasey.

*verticillatum*, L. C. & N.

Menard county, Hall; McHenry, Vasey.

*heterophyllum*, Michx.

McHenry county, Vasey; Hancock, Mead. Rare.

*scabratum*, Michx. C. & S.

Henderson county, frequent; Menard, Hall; Franklin, Forbes. Rare.

*ambiguum*, Nutt.,  
var. *capillaceum*, Gray. S.

Wabash county, Schneck.

## PROSERPINACA

*palustris*, L.

Swamps. Scarce.



## HIPPURIS

*vulgaris*, L.Wabash county, Schneck; McHenry, Vasey.  
Very rare.

## ONAGRACEÆ.

## CIRCEA

*Lutetiana*, L.

Rich woods. Common.

## GAURA

*biennis*, L.

Dry places. Common.

## EPILOBIUM

*angustifolium*, L. N.

Low places. - Winnebago and McHenry counties.

*palustre*, L.,var. *lineare*, Gray. C. & N.Low grounds. Menard county, Hall; and northward.  
Frequent.*molle*, Torr. C. & N.

With the last.

*coloratum*, Muhl.

Low grounds. Common.

## CENOTHERA

*biennis*, L.

Dry copses, fields, &amp;c. Common.

Varieties *MURICATA*, *GRANDIFLORA*, *PARVIFLORA* and *CRUCIATA* are found in the State.*rhombipetala*, Nutt.

Sandy prairies and barrens. Menard county, Hall; frequent in Henderson; near Chicago, Babcock, Vasey; Ogle county, Bebb. Scarce.

*fruticosa*, L.

Low prairies, &amp;c. Frequent.

*linearis*, Michx. S.

Carbondale, Jackson county, Forbes.

*Missouriensis*, Sims. S.

Near Nashville, Washington county, Vasey.

## JUSSLÆA

*repens*, L. S.

Jonesboro, Union county, Miss Holmes; Mound City, Vasey.

*decurrens*, DC. S.

Perry and Union counties, Forbes.

## LUDWIGIA

*alternifolia*, L.

Low grounds. Frequent.

*sphærocarpa*, Ell.

Chicago, Dr. Scammon, in herb. M. S. Bebb; Menard county, Hall; Union, Forbes; Mound City, Miss Holmes. Rare.

*polycarpa*, Short & Peter.

Wet places. Common.

*cylindrica*, Ell. S.

Mound City, Vasey.

*palustris*, Ell.

Ponds and ditches. Common.

## MELASTOMACEÆ.

## RHEXIA

*Virginica*, L.Lee county, Vasey; Kankakee, Hill; Mason, Bebb; Cass, Mead; and probably southward.  
Rare.

## LYTHRACEÆ.

## AMMANNIA

*humilis*, Michx.

Margins of ponds, &amp;c. Scarce.

*latifolia*, L. C. & S.Wet places. Henderson county; Peoria, Munroe, Brendel; Kankakee, Hill; and southward.  
Frequent.*Nuttallii*, Gray.

In ponds, and rooting in their margins as the water evaporates. Henderson county; Hancock, Mead; Menard, Hall. Rare.

## LYTHRUM

*alatum*, Pursh.

Wet places. Common.

## NESEÆA

*verticillata*, H. B. K.

Low grounds. Near Chicago, Vasey; Wabash county, Schneck; Franklin, Forbes. Rare.

## CUPHEA

*viscosissima*, Jacq. C. & S.

Dry places. Hancock county, Mead; Peoria, Brendel; and southward.

## LOASACEÆ.

## MENTZELIA

*oligosperma*, Nutt. W.

Prairies. Pike county, Mead.

- CACTACEÆ.**  
 OPUNTIA  
   *Rafinesquii*, Engelm.  
   Sandy prairies and barrens.                      Frequent.
- PASSIFLORACEÆ.**  
 PASSIFLORA  
   *lutea*, L.    S.  
   Damp woods. Madison and St. Clair counties,  
   Miss Holmes, Brendel; Marion, Bebb; Wabash,  
   Schneck; and southward.                      Frequent.
- CUCURBITACEÆ.**  
 SICYOS  
   *angulatus*, L.  
   River banks.    Common.
- ECHINOCYSTIS  
   *lobata*, T. & G.  
   Banks of streams.                                      Common.
- UMBELLIFERÆ.**  
 SANICULA  
   *Canadensis*, L.  
   Open woods.    Common.
- Marilandica*, L.  
   With the last.    Common.
- ERYNGIUM  
   *yuccæfolium*, Michx.  
   Prairies.    Common.
- DAUCUS  
   *Carota*, L.  
   Sparsingly escaped from gardens to roadsides and  
   waste places.
- POLYTÆNIA  
   *Nuttallii*, DC.  
   Prairies and barrens.                                      Scarce.
- HERACLEUM  
   *lanatum*, Michx.  
   Damp places.    Common.
- PASTINACA  
   *sativa*, L.  
   Roadsides and waste places.                      Common.
- ARCHEMORA  
   *rigida*, DC.  
   Also the var. *AMBIGUA*, Gray.  
   Wet prairies, ravines, &c. Roots tuberiferous.  
    Scarce.
- ARCHANGELICA**  
   *hirsuta*, T. & G.                                      S.  
   Washington Co., and southward, Vasey, Forbes.  
    Rare.
- atropurpurea*, Hoffm.                              C. & N.  
   Low grounds, Fulton, Wolf; Kankakee, Hill;  
   and northward.
- CONIOSELINUM**  
   *Canadense*, T. & G.                                      N.  
   Elgin, Kane county, Vasey.
- THASPIUM**  
   *barbinode*, Nutt.  
   Rich woods.    Scarce.
- aureum*, Nutt.  
   River banks, &c.    Common.
- var. *apterum*, Gray.  
   Winnebago and Marion counties, Bebb.
- trifoliatum*, Gray.  
   Open woods, &c.    Scarce.
- var. *atropurpureum*, T. & G.  
   Menard county, Hall; and southward.
- var. *apterum*, Gray.  
   Winnebago and Marion counties, Bebb.
- ZIZIA**  
   *integerrima*, DC.  
   Dry hillsides.    Frequent.
- DISCOPLEURA**  
   *capillacea*, DC.    S.  
   Mound City, Vasey.
- var? *costata*, DC.                                      S.  
   St. Clair county, Brendel; Mound City, Vasey.
- Nuttallii*, DC.    S.  
   Jackson and Union counties, Forbes, Wolf.
- CICUTA**  
   *maculata*, L.  
   Low grounds.    Common.
- bulbifera*, L.    N.  
   Peoria county, Brendel; Stephenson and Win-  
   nebago, Miss Holmes; McHenry, Vasey.
- SIUM**  
   *angustifolium*, L.                                      C. & N.  
   Fulton county, Wolf; Peoria, (frequent), Bren-  
   del; Winnebago, (rare), Bebb; McHenry, Vasey.  
   "I have found this in northern Illinois invariably  
   associated with *MIMULUS JAMESII*."—Bebb.

- lineare*, Michx. Common.  
Low grounds.
- CRYPTOTLENIA  
*Canadensis*, DC. Common.  
Woods.
- CHEROPHYLLUM  
*procumbens*, Lam. Common.  
Damp woods.
- OSMORRHIZA  
*longistylis*, DC. Frequent.  
Rich woods.
- brevistylis*, DC. Frequent.  
Rich woods.
- CONIUM  
*maculatum*, L. Waste places. Elgin, Kane county, Vasey, and Chicago, Babeock; Wabash, Schneck.

- EULOPHUS  
*Americanus*, Nutt. Scarce.  
Moist thickets, throughout.
- ERIGENIA  
*bulbosa*, Nutt. C. & S.  
Hancock county, Mead; and southward.

## ARALIACEÆ.

- ARALIA  
*spinosa*, L. S.  
Jackson and Union counties, and southward.
- racemosa*, L. Common.  
Rich woods.
- nudicaulis*, L. Frequent.  
Rich woods.
- quinquefolia*, Gray. Infrequent.  
Rich woods.

## CORNACEÆ.

- CORNUS  
*Canadensis*, L. N.  
Near Chicago, Munroe; Winnebago county, Miss Holmes. Rare.
- florida*, L. C. & S.  
Woods. Schuyler county, Mead; and southward. Frequent.
- sericea*, L. Common.  
Wet places.

- circinata*, L'Her. Rare.  
Near Elgin, Kane county, Vasey; once found near Peoria, Brendel.
- stolonifera*, Michx. C. & N.  
Low grounds. Menard county, Hall; and northward. Common.
- asperifolia*, Michx. C. & S.  
Peoria and Henderson counties, and southward. In Henderson county it grows mostly in river bottoms—rarely in dry places. Common.
- paniculata*, L'Her. Common.  
Woods along streams.
- alternifolia*, L. Apparently rare southward.  
Open woods, especially along streams.

## NYSSA

- multiflora*, Wang. S.  
Washington county, French; Wabash, Schneck; and southward.

## CAPRIFOLIACEÆ.

## LINNÆA

- borealis*, Gronov. N.  
North of Chicago, Vasey.

## SYMPHORICARPUS

- occidentalis*, R. Br. Rare.  
Wabash county, Schneck; Washington, French; McHenry, Vasey.

## LONICERA

- flava*, Sims. C. & N.  
Rocky banks of streams. Menard county, Hall; and northward. Frequent.
- parviflora*, Lam. C. & N.  
With the last. Hancock county, Mead; Peoria, Brendel; and probably northward.
- var. *Douglasii*, Gray. N.  
Deer Park, La Salle county, Forbes; and northward. Frequent.

## DIERVILLA

- trifida*, Mœnch. N.  
Cook county—near Chicago, Babeock, and Evanston, Vasey. Rare.

## TRIOSTEUM

- perfoliatum*, L. Frequent.  
Rich woods.
- angustifolium*, L. S.  
St. Clair county, Brendel; Union, French.

## SAMBUCUS

*Canadensis*, L.

River banks, borders of woods, &amp;c. Frequent.

## VIBURNUM

*Lentago*, L.

Banks of streams, &amp;c. Frequent.

*prunifolium*, L.

Dry copses. Scarce northward.

*dentatum*, L.

River banks. Scarce.

*pubescens*, Pursh. N.

Winnebago county, Bebb; McHenry, Vasey.

*acerifolium*, L. N.

Near Chicago, Babcock; Winnebago Co., Bebb; McHenry, Vasey.

*Opulus*, L. N.

Near Chicago, Munroe, Babcock.

## RUBIACEÆ.

## GALIUM

*Aparine*, L.

Moist thickets. Common, especially northward.

*asprellum*, Michx.

Moist thickets. Washington county, French; Wabash, Schneck; McHenry, Vasey. Scarce.

*concinnum*, T. & G.

Dry prairies and hillsides, also in rich woods. Common.

*trifidum*, L.

Wet places. Common.

*triflorum*, Michx.

Rich woods. Common.

*pilosum*, Ait. C. & S.

Dry copses. Cass county, Mead; and southward.

*circæzans*, Michx.

Rich woods. Common.

*lanceolatum*, Torr.

Wabash county, Schneck.

*boreale*, L. N.

Near Chicago, Babcock; Winnebago county, Bebb; McHenry, Vasey.

## SPERMACOCE

*glabra*, Michx. C. & S.

River banks. Peoria county, Brendel; Fulton, Wolf; and southward.

## DIODIA

*Virginica*, L. S.

River banks. Marion county, Vasey; and southward.

*teres*, Walt. C. & S.

Dry, sandy places. Hancock county, Mead; and southward.

## CEPHALANTHUS

*occidentalis*, L.

Wet places. Common.

## MITCHELLA

*repens*, L.

Damp hillsides at Makanda, Jackson county, Forbes.

## HOUSTONIA

*purpurea*, L. C. & S.

Woods. Menard county, Hall; and southward.

var. *ciliolata*, Gray.

Marion county, Brendel.

*angustifolia*, Michx. S.

Jackson and Union counties, Vasey, Forbes.

*minima*, Beck. W.

Dry hillsides, western Illinois, Gray's Manual.

*cærulea*, L.

Near Chicago, Babcock; St. Clair county, Brendel; Washington and southward, Vasey.

## VALERIANACEÆ.

## VALERIANA

*pauciflora*, Michx. S.

Woods. Wabash county, Schneck; Jackson, Vasey; and southward.

*edulis*, Nutt. N.

Abundant in one locality south-west of Hyde Park, Cook county, Babcock; Winnebago, Bebb; McHenry, Vasey.

## FEDIA

*radiata*, Michx.

Low grounds. Frequent.

*umbilicata*, Sulliv.

Banks of Kankakee river, Kankakee county, Hill.

## DIPSACEÆ.

## DIPSACUS

*silvestris*, Mill.

Waste places. Wabash county, Schneck; Frequent in McHenry, Vasey.

COMPOSITÆ.

VERNONIA

*Noveboracensis*, Willd.

River banks. Hancock county, Mead.

*fasciculata*, Michx.

River banks. Common.

ELEPHANTOPUS

*Carolinianus*, Willd. S.

St. Clair county, Brendel; Marion, Bebb; and southward. Frequent.

LIATRIS

*squarrosa*, Willd.

Cook county, Munroe, Hill; and southward. Frequent.

*cylindracea*, Michx.

Prairies. Common.

*scariosa*, Willd.

Prairies and barrens. Common.

*spicata*, Willd.

Moist prairies. McHenry county, Vasey; Cook, Babeock, Hill. Rare.

*pycnostachya*, Michx.

Prairies. Common.

KUHNTIA

*eupatorioides*, L.

Prairies and barrens. Common.

EUPATORIUM

*purpureum*, L.

Low grounds. Common.

*altissimum*, L.

Dry hillsides, &c. Common.

*sessilifolium*, L. C. & S.

Peoria county, Brendel; Hancock, Mead; and southward.

*perfoliatum*, L.

Wet places. Common.

*serotinum*, Michx.

River banks, throughout. Common.

*ageratoides*, L.

Rich woods. Common.

*aromaticum*, L. S.

Jackson county, French.

MIKANIA

*scandens*, L. S.

Wabash county, Schneek.

CONOCLINIUM

*cœlestinum*, DC. C. & S.

Mason county, Mead; Menard, Hall; and southward. Frequent.

ASTER

*corymbosus*, Ait.

Woods. Menard county, Hall; Hancock, Mead; Peoria, Brendel. Scarce.

*macrophyllus*, L. N.

Near Chicago, Babeock, Munroe.

*sericeus*, Vent.

Prairies and barrens. Common.

*patens*, Ait. S.

Union and Wabash counties; and southward.

*lævis*, L. var. *lævigatus*, Gray.

Dry open woods. Common northward.

var. *cyaneus*, Gray.

With the last.

*turbinellus*, Lindl. C. & S.

Prairies and barrens. Hancock county, Mead; Menard, Hall; St. Clair, Brendel; Union, French. Rare.

*azureus*, Lindl.

Prairies and copses. Frequent.

*Shortii*, Boott.

Rich woods. Winnebago county, Bebb; Hancock, Mead; Peoria, Brendel; and southward, Vasey. Scarce.

*undulatus*, L.

Dry copses. Common.

*Drummondii*, Lindl.

Wooded hillsides, &c., throughout. Frequent. Runs into A. UNDULATUS.

*cordifolius*, L.

Woods. Frequent.

*sagittifolius*, Willd.

Dry hillsides, &c. Common.

*ericoides*, L.

Dry open places. Frequent.

var. *villosus*, Ait.

With the typical form. Frequent.

*multiflorus*, Ait.

Dry prairies and barrens. Common.

*dumosus*, L.

Thickets. Frequent.

- Tradescanti, L.**  
Damp places. Frequent.
- miser, L.**  
Woods and open damp places. Common.
- simplex, Willd.**  
Woods, and open places in low grounds. Common.
- tenuifolius, L.**  
Low grounds. Frequent.
- carneus, Nees.**  
Damp places. Frequent.
- æstivus, Ait.**  
McHenry county, Vasey; Peoria, Brendel.
- longifolius, Lam.**  
Moist places. Near Chicago, Babcock; Kankakee county, Hill; Peoria, Brendel.
- puniceus, L.**  
Low thickets, &c. Scarce.
- var. vimineus, Gray.**  
Winnebago county, Bebb; also in Henderson.
- preanthoides, Muhl.**  
Fulton county, Brendel, Wolf.
- oblongifolius, Nutt.**  
River banks. Frequent.
- amethystinus, Nutt.**  
Peoria county, Brendel; Fulton, Wolf; Menard, Hall. Rare.
- Novæ-Angliæ, L.**  
Moist ravines, &c. Common.
- anomalus, Engelm. W.**  
Rocky hillsides. Peoria county, Brendel; Fulton, Wolf; Hancock, Mead; St. Clair, Engelmann. Scarce.
- acuminatus, Michx. N.**  
McHenry county, Vasey.
- ptarmicoides, T. & G. C. & N.**  
Prairies. Menard county, Hall; and northward.
- ERIGERON**
- Canadense, L.**  
Waste places. Common.
- divaricatum, Michx.**  
Dry roadsides, prairies, &c., throughout the State. Common.
- bellidifolium, Muhl.**  
Moist hillsides. Common.
- Philadelphicum, L.**  
Moist places. Common.
- annuum, Pers.**  
Low grounds. Common.
- strigosum, Muhl.**  
Prairies and fields. Common.
- DIPLOPAPPUS**
- linariifolius, Hook.**  
Dry prairies and barrens. Common.
- umbellatus, T. & G. C. & N.**  
Moist thickets. Menard county, Hall; and northward.
- BOLTONIA**
- glastifolia, L'Her.**  
Low grounds. Common.
- var. ? decurrens, T. & G.**  
Leaves elongated lanceolate, rather thin, decurrent on the stem! the broad decurrent portions usually terminated by short and triangular divaricate lobes, thus appearing sagittate. \* \* \* Perhaps a distinct species.—Flora N. A., II, 188. Fulton county, Wolf.
- diffusa, L'Her. S.**  
Washington county, Vasey; St. Clair, Brendel; and southward.
- SOLIDAGO**
- bicolor, L.**  
McHenry county, Vasey; Union, Forbes.
- latifolia, L. C. & N.**  
Rich woods. Menard county, Hall; and northward. Frequent.
- cæsia, L.**  
Rich woods. Scarce.
- stricta, Ait. N.**  
Wet places. Winnebago county, Bebb.
- speciosa, Nutt.**  
Prairies and barrens. Common.
- petiolaris, Ait.**  
Rocky bluffs opposite St. Louis, Engelmann.
- Virga-aurea, L.**  
**var. humilis, Gray. N.**  
Near Chicago, Babcock.
- rigida, L.**  
Dry prairies and barrens. Common.
- Ohioensis, Riddell. N.**  
Moist prairies. Peoria county, Brendel; and northward.

**Riddellii, Frank.**  
 Low prairies. Frequent.

**neglecta, T. & G. N.**  
 Wet places. Peoria county, Brendel; near Chicago, Babcock; McHenry county, Vasey.

**patula, Muhl.**  
 Swamps. Scarce.

**arguta, Ait.**  
 Prairies. Near Chicago, Babcock; Peoria county, Brendel; Washington, French. Scarce.

**Muhlenbergii, T. & G.**  
 Near Chicago, Babcock.

**altissima, L.**  
 Hancock county, Mead; Fulton, Wolf; southern Illinois, Vasey.

**ulmifolia, Muhl.**  
 Low copses. Common.

**Drummondii, T. & G. S.**  
 Rocky hillsides opposite St. Louis, Engelmann.

**odora, Ait. S.**  
 Wabash county, Schneck.

**nemoralis, Ait.**  
 Prairies and barrens. Common.

**radula, Nutt. W.**  
 With the last species. Henderson county; Fulton, Wolf; Menard, Hall.

**Missouriensis, Nutt.**  
 Prairies. Common.

**Canadensis, L.**  
 Borders of woods, fields, &c. Common.

**serotina, Ait.**  
 Woods, and open places in low grounds. Common.

**gigantea, Ait.**  
 With the last. Common.

**lanceolata, L.**  
 Low grounds. Common.

**tenuifolia, Pursh.**  
 Dry places, throughout. Frequent.

**CHRYSOPSIS**  
**villosa, Nutt.**  
 Prairies. Near Dixon, Vasey; Peoria county, Brendel; Mason, Mead, Bobb.

**INULA**  
**Helenium, L.**  
 Sparingly escaped from gardens to roadsides and waste places.

**PLUCHEA**  
**fœtida, DC. S.**  
 River banks. Wabash and Jackson counties, and southward. Frequent.

**POLYMNIA**  
**Canadensis, L.**  
 Damp hillsides in woods. Scarce.

**var. discoidea, Gray.**  
 Carroll county, Henry Shimer, in Gray's Manual.

**Uvedalia, L. S.**  
 St. Clair county, Brendel; Wabash, Schneck; and southward.

**CHRYSOGONUM**  
**Virginianum, L.**  
 Credited to Illinois in Gray's Manual.

**SILPHIUM**  
**laciniatum, L.**  
 Prairies. Common.

**terebinthaceum, L.**  
 Prairies. Common.

**trifoliatum, L.**  
 Near Thornton, Cook county, Hill.

**integrifolium, Michx.**  
 Prairies. Common.  
 Var LEVE at Normal, McLean county, Hill.

**perfoliatum, L.**  
 Rich soil along streams. Common.

**PARTHENIUM**  
**integrifolium, L.**  
 Prairies. Common.

**IVA**  
**ciliata, Willd.**  
 Union county, Forbes.

**AMBROSIA**  
**bidentata, Michx. C. & S.**  
 Prairies. Peoria county, Brendel; and southward. Frequent.

**trifida, L.**  
 River banks. Common.

**artemisifolia, L.**  
 Fields, waste places, especially in low grounds. Common.

**psilostachya, DC.**  
 Dry prairies and barrens. Common.

## XANTHIUM

*strumarium*, L.

Banks of streams. Common.

var. *echinatum*, Gray.

Near Chicago, Babcock, Vasey; Warsaw, Hancock county, Mead.

*spinosum*, L.

Chicago, Cairo and Mound City, Vasey.

## ECLIPTA

*procumbens*, Michx. C. & S.

River banks, from Kankakee, Peoria and Henderson counties southward.

## HELIOPSIS

*lævis*, Pers.Dry woods, &c. Common.  
Also the var. *SCABRA*.

## ECHINACEA

*purpurea*, Mœnch.

Prairies. Common.

*angustifolia*, DC.

Prairies. Common.

## RUDBECKIA

*laciniata*, L.

Woods along streams. Frequent.

*subtomentosa*, Pursh.

Low prairies. Common.

*triloba*, L. C. & S.

Dry woods, Henderson, Peoria and Kankakee counties, and southward.

*speciosa*, Wenderoth. C. & S.

Menard county, Hall; Wabash, Schneck.

*hirta*, L.Dry prairies and woods. Common.  
Mr. Bebb has seen this with a yellow disk.

## LEPACHYS

*pinnata*, T. & G.

Dry prairies and woods. Common.

## HELIANTHUS

*annuus*, L.

Persistent about gardens.

*atrorubens*, L.

Washington Co., French; and probably southward.

*rigidus*, Desf.

Dry prairies. Common.

*latiflorus*, Pers.

Dry prairies, throughout. Infrequent.

*occidentalis*, Riddell.

Dry prairies and barrens. Common.

*mollis*, Lam.

With the last. Rare northward.

*microcephalus*, T. & G. S.

Wabash county, Schneck; Franklin, Forbes; and southward.

*giganteus*, L.

Low grounds. Near Chicago, Babcock; Peoria county, Brendel; Wabash, Schneck.

*grosse-serratus*, Martens.

Prairies. Common.

*strumosus*, L.

Woods and low grounds. Frequent.

*divaricatus*, L.

Dry woods, &amp;c. Near Chicago, Babcock; Hancock county, Mead; Wabash, Schneck.

*hirsutus*, Raf.

Dry prairies, &amp;c. Scarce.

*trachelifolius*, Willd.

Copses. Near Chicago, Babcock; Peoria county, Brendel; Wabash, Schneck.

*decapetalus*, L.

Moist copses. Frequent.

*doronicoides*, Lam.

Banks of streams. Common.

*tuberosus*, L.

Sparingly escaped from gardens.

## ACTINOMERIS

*squarrosa*, Nutt. C. & S.

Peoria county, Brendel; Kankakee, Hill; and southward.

*helianthoides*, Nutt.

Near Chicago, Babcock; Peoria, Brendel; and southward.

## COREOPSIS

*auriculata*, L. S.

Rich woods. Washington county, Vasey; and southward.

*lanceolata*, L.

Rich soil. Frequent.

*palmata*, Nutt.

Dry prairies and barrens. Common.



<b>tripteris, L.</b>		
Open, dry woods.	Common.	
<b>aristosa, Michx.</b>		
Low grounds.	Frequent.	
<b>var. mutica, Gray.</b>		
With the typical form.	Scarce.	
<b>trichosperma, Michx.</b>		
Low grounds. McHenry county, Vasey; near Chicago, Babcock; Fulton county, Wolf.	Scarce.	
<b>discoidea, T. &amp; G.</b>		<b>C. &amp; S.</b>
Frequent in Mississippi bottoms in Henderson county; Pulaski, Vasey.	Rare.	
<b>BIDENS</b>		
<b>frondosa, L.</b>		
Low grounds.	Common.	
<b>connata, Muhl.</b>		
Low grounds.	Common.	
Var. <i>comosa</i> is common along the Mississippi about Oquawka.		
<b>cernua, L.</b>		<b>N.</b>
Wet places. Peoria and Henderson counties, and northward.		
<b>chrysanthemoides, Michx.</b>		
Banks of streams.	Common.	
<b>Beckii, Torr.</b>		
Illinois—Gray's Manual.		
<b>hipinnata, L.</b>		<b>C. &amp; S.</b>
In dry soil. Menard county, Hall; and southward.		
<b>VERBESINA</b>		
<b>Siegesbeckia, Michx.</b>		<b>S.</b>
Banks of the Ohio, Vasey.		
<b>Virginica, L.</b>		
Illinois—Gray's Manual.		
<b>DYSODIA</b>		
<b>chrysanthemoides, Lag.</b>		
Roadsides and waste places.	Common.	
<b>HYMENOPAPPUS</b>		
<b>scabiosæus, L'Her.</b>		
Barrens of Mason county, Mead, Hall.		
<b>ACTINELLA</b>		
<b>scaposa, Nutt., var. glabra, Gray.</b>		
On an Indian mound at Joliet, Will county, Dr. Seammon, W. Boott, in Gray's Manual.		
<b>HELENIUM</b>		
<b>autumnale, L.</b>		
Banks of streams.	Common.	
<b>LEPTOPODA</b>		
<b>brachypoda, T. &amp; G.</b>		<b>C. &amp; S.</b>
Barrens of Hancock county, Mead; and southward.		
<b>MARUTA</b>		
<b>Cotula, DC.</b>		
Roadsides, &c.	Common.	
<b>ACHILLEA</b>		
<b>Millefolium, L.</b>		
Prairies and barrens.	Common.	
<b>LEUCANTHEMUM</b>		
<b>vulgare, Lam.</b>		
Chicago, Babcock; Kankakee, Hill; once found at Peoria, Brendel; Cass county, Mead. Rare.		
<b>MATRICARIA</b>		
<b>discoidea, DC.</b>		<b>W.</b>
Opposite St. Louis, Engelmann.		
<b>TANACETUM</b>		
<b>vulgare, L.</b>		
Sparsely escaped from gardens to roadsides.		
<b>ARTEMISIA</b>		
<b>dracunculoides, Pursh.</b>		
Near Dixon, Lee county, Vasey.		
<b>caudata, Michx.</b>		
Sandy prairies and barrens.	Common.	
<b>Ludoviciana, Nutt.</b>		<b>N.</b>
Henderson county; Peoria, Brendel; and northward.		
<b>serrata, Nutt.</b>		<b>N.</b>
"Stem tall and herbaceous, leaves lanceolate, acuminate at either extremity, margin serrate, upper side smooth, under tomentose and white; fls. paniculate, partly glomerate, erect; calyx small cylindric-ovate, and nearly smooth. Stem 5 or 6 feet high; fls. very small; leaves 6 to 8 inches long and an inch wide, sharply but not very regularly serrate. Hab.: Near the Prairie du Chier, on the banks of the Mississippi, also on the banks of the Missouri, in open alluvial soil."—NUTT. GENERA, II, 142.		
Winnebago county, Bebb; McHenry, Vasey.		
<b>biennis, Willd.</b>		
Low grounds, especially by roadsides.		
Common.		
<b>GNAPHALIUM</b>		
<b>polycephalum, Michx.</b>		
Dry woods, &c.	Common.	
<b>purpureum, L.</b>		
McHenry county, Vasey; Fulton, Wolf; Peoria, (only once found), Brendel; Wabash, Schneck.		

## ANTENNARIA

*margaritacea*, R. Br.

Not rare in Wabash county, Schneck.

*plantaginifolia*, Hook.

Dry open places. Common.

## ERECHTHITES

*hieracifolia*, Raf.

Woods. Common.

## CACALIA

*suaveolens*, L.

Rich woods. McHenry county, Vasey; Peoria and Fulton, Brendel, Wolf; Hancock, Mead; Wabash, Schneck. Scarce.

*reniformis*, Muhl. C. & S.

Rich woods. Peoria county, Brendel; and southward. Scarce.

*atriplicifolia*, L.

Rich woods. Frequent.

*tuberosa*, Nutt.

Prairies. Frequent.

## SENECIO

*lobatus*, Pers. S.

Jackson county, French.

*aureus*, L.

Vars. BALSAMITÆ and OBOVATUS. Common.

## CIRSIUM

*lanceolatum*, Scop.

Roadsides. Common.

*Pitcheri*, T. & G. N-E.

Lake shore about Chicago, Babcock, Vasey.

*discolor*, Spreng.

Open woods, &amp;c. Common.

*altissimum*, Spreng.

With the last species. Intermediate forms occur, probably hybrids—Bebb.

*Virginianum*, Michx. S.  
var. *filipendulum*, Gray.

Jackson and Union counties, French, Vasey.

*muticum*, Michx.

Woods in low grounds. Frequent.

*pumilum*, Spreng.

Dry woods and fields. Scarce.

*arvense*, Scop.

Along railroads about Chicago, Babcock, Vasey; in one locality near Peoria, Brendel; Fulton county, Wolf. Fortunately rare as yet. Since

the enactment of the Canada Thistle Law most of the other species have suffered at the hands of the Commissioners, especially LANCEOLATUM.

## LAPPA

*officinalis*, All., var. *major*.

Roadsides and waste places. Common.

## KRIGIA

*Virginica*, Willd.

Fulton county, Wolf; Mason, Brendel; Menard, Hall; and probably southward.

## CYNTHIA

*Virginica*, Don.

Prairies. Frequent.

*Dandelion*, DC. S.

Washington county, Vasey; Wabash, Schneck; and southward.

## Troximon

*cuspidatum*, Pursh. C. & N.

Prairies. Menard county, Hall; and northward. Now extinct in many localities where it was once found. Scarce.

## HIERACIUM

*Canadense*, Michx. N.

Near Chicago, Babcock, Munroe; Winnebago county, Bebb; McHenry, Vasey.

*scabrum*, Michx.

Dry open woods. Scarce.

*longipilum*, Torr.

Prairies. Scarce.

*Gronovii*, L.

Dry woods. Scarce.

## NABALUS

*albus*, Hook.

Rich woods. Frequent.

*altissimus*, Hook.

Rich woods. Boone county, French; not rare in Wabash, Schneck. Rare.

*racemosus*, Hook. C. & N.

Menard county, Hall; and northward. Frequent.

*asper*, T. & G.

Prairies. Frequent.

*crepidineus*, DC. C. & S.

Rich woods along streams. Henderson county; Peoria and Fulton, Brendel, Wolf; Hancock, Mead; Menard, Hall; and probably southward.

TARAXACUM

*Dens-leonis*, Desf.

Fields, roadsides, &c. Common.

LACTUCA

*Canadensis*, L.

Rich soil. Common.

var. *integrifolia*, T. & G.

Dry open woods. Frequent.

var. *sanguinea*, T. & G.

Peoria and Fulton counties, Brendel, Wolf; Wabash, Schneck.

MULGEDIUM

*acuminatum*, DC. C. & S.

Peoria county, Brendel: and southward. Scarce.

*Floridanum*, DC.

Rich soil. Frequent.

*leucophæum*, DC.

Low grounds. Winnebago county, Bebb; near Chicago, Munroe; Wabash county, Schneck.

SONCHUS

*oleraceus*, L.

Waste places. Frequent.

*asper*, Vill.

Waste places. Frequent.

LOBELIACEÆ.

LOBELIA

*cardinalis*, L.

River banks. Common.

*siphilitica*, L.

Low grounds. Common.

*puberula*, Michx. S.

Jackson county, Forbes.

*leptostachys*, A. DC. C. & S.

Peoria and Kankakee counties, and southward.

*inflata*, L.

Dry or damp woods and open places.

*spicata*, Lam.

Prairies. Common.

*Kalmii*, L. N.

Peoria county, Brendel; Chicago, Babcock.

CAMPANULACEÆ.

CAMPANULA

*rotundifolia*, L.

Jackson county, French, and not rare north.

*aparinoides*, Pursh.

Wet meadows. Common.

*divaricata*, Michx.

S.

White county, rare, Schneck.

*Americana*, L.

Rich woods. Common.

SPECULARIA

*perfoliata*, A. DC.

Dry open places. Common.

ERICACEÆ.

GAYLUSSACIA

*resinosa*, T. & G.

Ogle county, Bebb; Kankakee, Hill; Chicago, Babcock; also in Union county, Wolf.

VACCINIUM

*macrocarpon*, Ait. N.

Swamps. Thornton, Cook county, Hill; McHenry, Vasey.

*arboreum*, Marshall. S.

Jackson and Union counties, Vasey.

*Pennsylvanicum*, Lam. N.

Kankakee county, Hill.

*Canadense*, Kalm. N.

Near Dixon, Vasey; Thornton, Cook co., Hill.

*vacillans*, Solander.

Dry woods. Near Thornton, Hill; Peoria county, Brendel; Jackson and Union, French, Forbes.

*corymbosum*, L.

Winnebago county, Bebb.

var. *atrococcum*, Gray.

Near Dixon, Lee county, Vasey.

ARCTOSTAPHYLOS

*Uva-ursi*, Spreng. N.

Peoria county, Brendel: near Chicago, Babcock. Rare.

ANDROMEDA

*polifolia*, L. N.

McHenry county, Vasey.

AZALEA

*nudiflora*, L. S.

Common in the Pine Hills, in the western part of Union county; it also occurs along bluffs bordering a little stream on the road from South Pass to Anna.—Forbes.

## PYROLA

*elliptica*, Nutt. N.

Rich woods. Near Chicago, Babcock; McHenry, Vasey; and other counties in the northern tier.

*chlorantha*, Swartz. N.

McHenry county, Vasey.

## CHIMAPHILA

*umbellata*, Nutt.

Jackson county, French; McHenry, Vasey.

## MONOTROPA

*uniflora*, L.

Rich woods. Frequent.

## AQUIFOLIACEÆ.

## ILEX

*decidua*, Walt. S.

Low grounds. St. Clair county, Brendel; Wash, Schneck; and southward.

*verticillata*, Gray. Scarce.

Low grounds, throughout.

## EBENACEÆ.

## DIOSPYROS

*Virginiana*, L.

Peoria county, Brendel; and southward.

## SAPOTACEÆ.

## BUMELIA

*lycioides*, Gærtn. S.

Low grounds. Union county, Wolf; and southward.

*lanuginosa*, Pers. S.

"Opposite St. Louis and southward"—Gray's Manual.

## PLANTAGINACEÆ.

## PLANTAGO

*major*, L.

Waste places. Common.

*sparsiflora*, Michx. C. & S.

Fulton county, Wolf; Menard, Hall; and southward.

*cordata*, Lam.

Wet places. Frequent.

*lanceolata*, L.

Roadsides, &amp;c., in a few localities.

*Virginica*, L.

Dry grounds. Peoria county, Brendel; and southward.

*pusilla*, Nutt. C. & S.

Hancock county, Mead; and southward.

*Patagonica*, Jacq.,  
var. *aristata*, Gray. S-W.

Adams county, Mead; and southward.

## PRIMULACEÆ.

## ANDROSACE

*occidentalis*, Pursh. N.

Hillsides. Fulton county, Wolf; Kankakee, Hill; and northward.

## DODECATHEON

*Meadia*, L.

Prairies and open rich woods. Frequent.

var. *Frenchii*, Vasey.

"Distinguished by its small size, few-flowered scape, and thin, broad ovate leaves, abruptly contracted into a margined petiole which is longer than the leaf."—Vasey.

Bluffs of Jackson and Union counties, French.

## LYSIMACHIA

*thyrsiflora*, L. C. & N.

Swamps and ponds. Cass county, Mead; and northward. Scarce.

*stricta*, Ait.

Low grounds. Scarce.

*ciliata*, L.

Woods along streams. Common.

*lanceolata*, Walt.

Low grounds. Common.

*longifolia*, Pursh. C. & N.

Low grounds from Menard county northward.

## ANAGALLIS

*arvensis*, L.

A common garden weed about Athens, Menard county, Hall.

## CENTUNCULUS

*minimus*, L. C. & S.

Low grounds. Hancock county, Mead; Menard, Hall; and southward.

## SAMOLUS

*Valerandi*, L.,var. *Americanus*, Gray.

Wet places. Frequent.

HOTTONIA

*inflata*, Ell. S.  
Wabash county, Schneck; Union, Forbes; and southward. Rare.

LENTIBULACEÆ.

UTRICULARIA

*vulgaris*, L. Frequent.  
Ponds. N.  
*minor*, L. N.  
McHenry county, Vasey.

*intermedia*, Hayne. C. & N.  
Peoria county, Brendel; McHenry, Vasey.

*biflora*, Lam.  
Credited to Illinois in Gray's Manual.

*gibba*, L.  
McHenry county, Vasey; in a pond near Pinckneyville, Perry county, Forbes. Rare.

BIGNONIACEÆ.

BIGNONIA

*capreolata*, L. S.  
River banks. Near Alton, Miss Holmes; Wabash county, Schneck; and southward.

TECOMA

*radicans*, Juss.  
River banks, from Henderson and Peoria counties southward.

CATALPA

*bignonioides*, Walt. S.  
Common and undoubtedly indigenous in Wabash county, Schneck, and in other lower counties along the Ohio, Vasey.

MARTYNIA

*proboscidea*, Glox.  
Probably indigenous in southern counties; and a common roadside weed in many localities north.

OROBANCHACEÆ.

EPIPHEGUS

*Virginiana*, Bart. S.  
Near Jonesboro, Union county, Vasey.

CONOPHOLIS

*Americana*, Wallroth.  
Menard county, Hall; Marion, Bebb.

PHELIPÆA

*Ludoviciana*, Don. C.  
In the Sangamon river bottoms, Menard county, mostly parasitic on *AMBROSIA TRIFIDA*; very plentiful some seasons, in Sept. and Oct.—Hall.

APHYLLON

*uniflorum*, T. & G. Frequent.  
Woods. N.  
*fasciculatum*, T. & G. N.  
Near Dixon, Lee county, Vasey.

SCROPHULARIACEÆ.

VERBASCUM

*Thapsus*, L. Common.  
Roadsides. N.  
*Blattaria*, L. Scarce.  
Roadsides, &c.

LINARIA

*Canadensis*, Spreng. Scarce.  
Prairies and barrens. N.  
*vulgaris*, Miller.  
Escaped from gardens to roadsides.

SCROPHULARIA

*nodosa*, L.  
Rich woods. The narrow leaved form common by roadsides.

COLLINSIA

*verna*, Nutt.  
Damp places, throughout.

CHELONE

*glabra*, L. Frequent.  
Banks of streams.

PENTSTEMON

*pubescens*, Solander. Frequent.  
Prairies and barrens. N.  
*Digitalis*, Nutt. Scarce.  
River banks, throughout. N-W.  
*grandiflorus*, Fraser.

Frequent along the Mississippi in Henderson county above Oquawka, especially at Bald Bluff; Jo Daviess co., above Galena, in 1853, Brendel.

MIMULUS

*ringens*, L. Common.  
Wet places. C. & S.  
*alatus*, Ait. N.  
Low grounds. Hancock county, Mead; Fulton, Wolf; and southward.

<i>Jamesii</i> , Torr.	N.	SEYMERIA	
Cold springs. Peoria county, Brendel; near Elgin, Kane county, Vasey; Winnebago, Bebb.		<i>macrophylla</i> , Nutt.	
	Rare.	River banks, throughout.	Rare.
CONOBEA		GERARDIA	
<i>multifida</i> , Benth.		<i>purpurea</i> , L.	
River banks and sand bars. Henderson, Peoria and Kankakee counties, and southward.		Low grounds.	Common.
HERPESTIS		<i>aspera</i> , Dougl.	
<i>rotundifolia</i> , Pursh.	C. & S.	Low grounds.	Scarce.
Wet places. Hancock county, Mead; Menard, Hall; and southward.	Rare.	<i>tenuifolia</i> , Vahl.	
GRATIOLA		Open woods, &c.	Common.
<i>Virginiana</i> , L.		<i>setacea</i> , Walt.	
Wet places.	Common.	McHenry county, Vasey; Winnebago, Bebb; Menard, Hall.	
<i>sphaerocarpa</i> , Ell.	C. & S.	<i>flava</i> , L.	
Ponds and ditches, from Henderson co. southward.	Rare.	Hancock county, Mead.	
ILYSANTHES		<i>quercifolia</i> , Pursh.	
<i>gratioloides</i> , Benth.		Rich woods.	Infrequent.
Wet places.	Common.	<i>integrifolia</i> , Gray.	
SYNTHYRIS		Fulton county, Mead.	
<i>Houghtoniana</i> , Benth.	C. & N.	<i>grandiflora</i> , Benth.	
Prairies and barrens. Menard county, Hall; Henderson, (common about Oquawka); Lee, Vasey; Ogle, Bebb.	Scarce.	Woods. McHenry county, Vasey; Winnebago, Bebb; Peoria, Brendel; Menard, Hall.	Rare.
VERONICA		<i>pedicularia</i> , L.	
<i>Virginica</i> , L.		Woods.	Frequent.
Woods.	Common.	<i>auriculata</i> , Michx.	
<i>Anagallis</i> , L.	C. & N.	Low grounds.	Frequent.
Ponds and ditches. Menard county, Hall; and northward.	Scarce.	CASTILLEIA	
<i>Americana</i> , Schw.		<i>coccinea</i> , Spreng.	
Peoria county, Brendel.		Prairies.	Common.
<i>scutellata</i> , L.	N.	<i>sessiliflora</i> , Pursh.	N.
Bogs. Fulton county, Wolf; and northward.		Winnebago county, Bebb; McHenry, Vasey.	
<i>serpyllifolia</i> , L.		PEDICULARIS	
Fulton county, Wolf; and southward.	Scarce.	<i>Canadensis</i> , L.	
<i>peregrina</i> , L.		Dry prairies and woods.	Common.
Common in wet and dry fields, &c.		<i>lanceolata</i> , Michx.	
<i>arvensis</i> , L.		Wet places.	Common.
Fields, &c.	Frequent.	ACANTHACEÆ	
BUCHNERA		DIANTHERA	
<i>Americana</i> , L.		<i>Americana</i> , L.	
Menard county, Hall; St. Clair, Brendel.	Rare.	Margins of streams.	Frequent.
		RUELLIA	
		<i>ciliosa</i> , Pursh.	
		Dry grounds.	Common.

strepens, L.			Europæus, L.,	
Rich woods.	Infrequent.		var. integrifolius, Gray.	
			Low grounds.	Frequent.
VERBENACEÆ.			var. sinuatus, Gray.	
VERBENA			Low grounds.	Common.
angustifolia, Michx.				
Dry grounds, throughout.			CUNILA	
hastata, L.			Mariana, L.	S.
Low grounds.	Common.		Marion county, Vasey ; and southward.	
urticifolia, L.			PYCNANTHEMUM	
Roadsides, &c.	Common.		incanum, Michx.	
stricta, Vent.			Rocky woods and hills. Peoria county, Munroe ; and southward.	
Roadsides in dry grounds.	Common.		pilosum, Nutt.	
bracteosa, Michx.			Dry woods, &c. Henderson, Peoria and Kankakee counties, and southward.	
With the last.	Common.		muticum, Pers.	S.
Aubletia, L.		S.	Wabash county, (rare), Schneck.	
Frequent and undoubtedly indigenous in the Pine Hills of Union county, Forbes.			lanceolatum, Pursh.	
LIPPIA			Dry woods and hillsides.	Common.
lanceolata, Michx.			linifolium, Pursh.	
Low grounds.	Common.		With the last. Scarce northward.	
PHRYMA			CALAMINTHA	
Leptostachya, L.			glabella, Benth., var. Nuttallii, Gr.	
Rich woods.	Frequent.		Near Chicago, Babcock, Vasey ; Kankakee co., Hill.	Rare.
LABIATÆ.			HEDEOMA	
TEUCRIUM			pulegioides, Pers.	
Canadense, L.			Dry woods and roadsides.	Common.
Low grounds.	Common.		hispidula, Pursh.	N. & W.
TRICHOSTEMA			Sandy barrens and river banks. Winnebago county, Bebb ; McHenry, Vasey ; Lee, Miss Holmes ; Henderson ; St. Clair, Brendel.	
dichotomum, L.			COLLINSONIA	
Dry grounds.	Scarce.		Canadensis, L.	S.
ISANTHUS			Wabash county, Schneck ; Jackson, French ; and southward.	
cæruleus, Michx.			SALVIA	
Dry hillsides, fields, &c.	Frequent.		lyrata, L.	S.
MENTHA			Jackson county, Vasey ; and southward.	
viridis, L.			MONARDA	
Wet places.	Scarce.		Clinopodia, L.	
piperita, L.			"Sparingly villous-pubescent or nearly glabrous ; stem rather acutely angled (2-4 ft. high) ; leaves ovate-lanceolate and ovate, acuminate, slender petioled, thin, coarsely and sharply serrate ; bracts whitish ; calyx moderately hirsute in the throat, hardly more so than in M. DIDYMA :	
Wet places.	Rare.			
Canadensis, L.				
Low grounds.	Common.			
LYCOPUS				
Virginicus, L.				
Low grounds.	Common.			

- corolla an inch long, slightly pubescent, greenish-white or flesh-colored."—Gray.
- In open rich woods near Oquawka, Henderson county; Marion county, Bebb.
- fistulosa, L.**
- "Soft-pubescent with short hairs, or somewhat hoary, or glabrate; stem mostly with obtuse angles, (1-3 ft. high); leaves commonly of rather firmer texture than in the preceding; bracts whitish or rarely purplish, dotted, the inner mostly hirsute-ciliate; calyx conspicuously and densely bearded at the throat; corolla (1-1½ in. long) pubescent, at least on the upper lip, purple or purplish."—Gray.
- Wooded hillsides, &c. Common.
- Bradburiana, Beck.**
- Woods. Schuyler county, Mead; and southward. Also near Chicago, Babcock—Int.?
- punctata, L.**
- Barrens. Scarce.
- BLEPHILIA**
- ciliata, Raf.**
- Dry open places, throughout.
- hirsuta, Benth.**
- Rich woods. Frequent.
- LOPHANTHUS**
- nepetoides, Benth.**
- Borders of woods. Common.
- serophulariæfolius, Benth.**
- With the last. Common.
- NEPETA**
- Cataria, L.**
- Roadsides. Frequent.
- Glechoma, Benth.**
- Occurs sparingly about gardens and in fields.
- SYXANDRA**
- grandiflora, Nutt.** S.
- Jackson county, French; Union, Forbes.
- PHYSOSTEGIA**
- Virginiana, Benth.**
- The broad leaved form on river banks, a narrow leaved, taller form in dry woods. Common.
- BRUNELLA**
- vulgaris, L.**
- Woods. Common.
- SCUTELLARIA**
- versicolor, Nutt.**
- Woods along streams. Frequent.
- canescens, Nutt.** C. & S.
- Menard county, Hall; and southward.
- serrata, Andrews.** S.
- Woods. Wabash county, Schneck.
- nervosa, Pursh.** C. & S.
- Woods. Peoria county, Brendel; and southward.
- parvula, Michx.**
- Dry hills and barrens. Common.
- var. mollis, Gray.**
- "Diffuse, rather large, softly pubescent throughout with sub-viscid hairs; leaves often ¾ of an inch long."
- Sandy banks and rocky cliffs. Along the Mississippi north of Oquawka; also in Menard co., Hall; Fulton, Wolf; and northward to Kankakee (Hill) and Ogle (Bebb).
- galericulata, L.**
- Damp woods, throughout. Scarce.
- lateriflora, L.**
- Banks of streams. Common.
- MARRUBIUM**
- vulgare, L.**
- Roadsides and waste places. Common.
- STACHYS**
- palustris, L.**
- Wet places. Common.
- var. aspera, Gray.**
- Low grounds. Common.
- var. glabra, Gray.**
- Woods along streams. Frequent.
- var. cordata, Gray.**
- Low grounds. Scarce.
- hyssopifolia, Michx.**
- Illinois—Gray's Manual.
- LEONURUS**
- Cardiaca, L.**
- Waste places. Common.
- BORRAGINACEÆ.**
- SYMPHYTUM**
- officinale, L.**
- Sparingly escaped from gardens.
- ONOSMODIUM**
- Carolinianum, DC.**
- River banks. Frequent.



molle, Michx.		Virginicum, L.	
Dry hillsides, &c.		Rich woods.	Frequent.
LITHOSPERMUM		Canadense, L.	
<i>arvense</i> , L.		Rich woods.	Scarce.
Only in a few localities.		appendiculatum, Michx.	
angustifolium, Michx.		Rich woods.	Frequent.
(Including <i>L. LONGIFLORUM</i> , Spreng., which is only the early flowering form—as was first discovered by Mr. Bebb, in 1873.)		ELLISIA	
Prairies, throughout.	Scarce.	Nyctelea, L.	
latifolium, Michx.		(Including <i>E. AMBIGUA</i> , Nutt.)	Common.
Borders of woods.	Frequent.	PHACELIA	
hirtum, Lehm.		bipinnatifida, Michx.	S.
Dry prairies and barrens.	Common.	Rich woods. St. Clair county, Brendel; Wabash, Schneck; and southward.	
canescens, Lehm.		Purshii, Buckley.	S.
Dry prairies and barrens.	Common.	Moist shaded banks. Wabash county, Schneck; Union, Forbes.	
MERTENSIA		HYDROLEA	
Virginica, DC.		affinis, Gray.	S.
Rich woods.	Frequent.	Union county, Brendel; Pulaski, Vasey.	
MYOSOTIS		POLEMONIACEÆ.	
verna, Nutt.		POLEMONIUM	
Dry hills.	Frequent.	reptans, L.	
ECHINOSPERMUM		Woods.	Frequent.
<i>Lappula</i> , Lehm.		PHLOX	
Roadsides and waste places.	Common.	paniculata, L.	C. & S.
CYNOGLOSSUM		Woods. Hancock county, Mead; Mason, Brendel; and southward.	
<i>officinale</i> , L.		maculata, L.	
Waste places.	Common.	Rich woods. Near Dixon, Vasey; Woodford county, Brendel; Hancock, Mead.	Rare.
Virginicum, L.	S.	glaberrima, L.	
Rich woods. Marion county, Bebb; and southward.		Prairies.	Frequent.
Morisoni, DC.		pilosa, L.	
Borders of woods.	Common.	Prairies and open dry woods.	Common.
HELIOTROPIUM		divaricata, L.	
Curassavicum, L.	C. & S.	Rich woods.	Common.
Menard county, Hall; and southward.		Stellaria, Gray.	S.
HELIOPHYTUM		"Glabrous, cæspitose, somewhat perennial at base; leaves narrow linear and rather rigid, the upper slightly ciliate at base; peduncles elongated, mostly 1-flowered; corolla pale blue or nearly white, the lobes bifid with short-oblong segments. Cliffs of the Kentucky river, only by Dr. Short."	
<i>Indicum</i> , DC.	C. & S.	"Bake Oven" and other rocks about Grand Tower, Jackson county, French.	
Waste places. From Menard county southward.			
HYDROPHYLLACEÆ.			
HYDROPHYLLUM			
macrophyllum, Nutt.	S.		
Wabash county, Schneck.			

*bifida*, Beck.

Prairies and dry woods. Common on lake shore south of Chicago, Babcock; Kankakee county, Hill; Peoria, Brendel; Mason and Cass, Mead; Menard, Hall; and southward. (Union county, Forbes.) Scarce.

## CONVOLVULACEÆ.

## QUAMOCLIT

*coccinea*, Manch. C. & S.

Damp fields and river banks from Hancock co. southward.

## IPOMŒA

*Nil*, Roth.

Damp fields, &c. Henderson county; and southward.

*lacunosa*, L. C. & S.

River banks. Henderson and Peoria counties, and southward.

*pandurata*, Meyer.

Banks of streams. Frequent.

## CALYSTEGIA

*sepium*, R. Br.

Moist banks and low grounds. Common.

*spithamæa*, Pursh.

Dry open places. Frequent.

## BONAMIA

*Pickeringii*, Gray. Int. ?

Common and perfectly hardy on a sandy prairie near the Mississippi, 4 miles north of Oquawka, Henderson county. If introduced it must have been long since.

## CUSCUTA

*tenuiflora*, Engelm.

River banks, from Menard county northward.

*inflexa*, Engelm.

In dry grounds. Peoria and Fulton counties, Brendel, Wolf.

*decora*, Choisy. S-W.

Low prairies. Fulton county, Wolf; Menard, Hall; Washington, Vasey.

*arvensis*, Beyrich.

Dry prairies and barrens. Kankakee county, Hill; Fulton, Wolf; Cass, near Beardstown, Mead.

*chlorocarpa*, Engelm.

Low grounds. Kankakee county, Hill; Peoria, Brendel; Wabash, Schneck.

*Gronovii*, Willd.

Low grounds. Frequent.

*compacta*, Juss. C. & S.

From Kankakee and Peoria counties southward.

*glomerata*, Choisy.

Damp prairies. Frequent.

## SOLANACEÆ.

## SOLANUM

*Dulcamara*, L.

Sparingly escaped from cultivation to roadsides.

*nigrum*, L.

Waste places. Common.

*Carolinense*, L. C. & S.

Fields and river banks. Henderson and Peoria counties and southward. Common.

## PHYSALIS

*Philadelphica*, Lam.

Rich grounds. Kankakee county, Hill; Fulton, Wolf; Henderson; Wabash, Schneck. Rare.

*angulata*, L.

Menard county, Hall; Union, Vasey.

*pubescens*, L. C. & S.

Low grounds. Kankakee county, Hill; Fulton, Wolf; and southward.

*viscosa*, L.

Dry grounds. Frequent.

*Pennsylvanica*, L.

In dry or damp grounds. Frequent.

var. *lanceolata*, Gray.

Sandy prairies and barrens. Frequent.

## NICANDRA

*physaloides*, Gærtn.

Waste places. Scarce.

## DATURA

*Stramonium*, L.

Roadsides and waste places. Common.

*Tatula*, L.

With the last. Common.

## GENTIANACEÆ.

## SABBATIA

*angularis*, Pursh. C. & S.

Dry grounds from Hancock county southward. Frequent.

## FRASERA

*Carolinensis*, Walt.

Fulton county, Wolf; and frequent southward.

## GENTIANA

*quinqueflora*, Lam.

Hillsides. Scarce.

var. *occidentalis*, Gray.

With the typical form. Frequent.

*crinita*, Frœl. N.

Low grounds. Common near Chicago, Babcock; Winnebago county, Bebb.

*detonsa*, Fries. N.

With the last.

*alba*, Muhl.

Low grounds, throughout. Frequent.

*Andrewsii*, Griseb.

With the last. Frequent.

*Saponaria*, L.

Moist woods. Thornton, Cook county, Hill; Ogle, Miss Holmes. Rare.

*puberula*, Michx.

Dry prairies. Frequent.

## BARTONIA

*tenella*, Muhl.

Woods. Kankakee county, Hill.

## OBOLARIA

*Virginica*, L. S.

Rich woods. Jonesboro, Union county, Vasey; Wabash, Schneck.

## MENYANTHES

*trifoliata*, L. N.

Bogs. Peoria county, Brendel; and northward.

## LOGANIACEÆ.

## SPIGELIA

*Marilandica*, L. S.

Rich woods. Near Jonesboro, Union county, Vasey; Jackson county, Brendel.

## APOCYNACEÆ.

## AMSONIA

*Tabernæmontana*, Walt. C. & S.

Low grounds. Peoria county, Brendel; and southward.

## FORSTERONIA

*difformis*, A. DC. S.

River banks. Union county, Brendel.

## APOCYNUM

*androsæmifolium*, L.

Borders of woods. Common.

*cannabinum*, L.

Banks of streams. Common.

## ASCLEPIADACEÆ.

## ASCEPIAS

*Cornuti*, Decaisne.

Rich soil. Common.

*Sullivantii*, Engelm. C. & N.

Low grounds. Frequent from Menard county northward.

*phytolaccoides*, Pursh.

Open rich woods, hillsides. Frequent.

*purpurascens*, L.

Borders of woods. Frequent.

*variegata*, L.

Dry woods. McLean county near Bloomington. Vasey; Wabash, Schneck. Rare.

*ovalifolia*, Decaisne. N.

Near Ringwood, McHenry county, Vasey.

*quadrifolia*, Jacq.

Hillsides in woods. Henderson county; Peoria. Brendel; Menard, Hall. Rare.

*perennis*, Walt. S.

Low grounds. Wabash county, Schneck; Jackson, Brendel; and southward.

*incarnata*, L.

Low grounds. Common.

*obtusifolia*, Michx.

Sandy prairies and barrens. Frequent.

*Meadii*, Torr. W.

Prairies. Near Augusta, Hancock co., Mead; Peoria, Brendel; Menard, Hall. Rare.

*tuberosa*, L.

Dry hills and barrens. Common.

*verticillata*, L.

Prairies and barrens. Common.

## ACERATES

*viridiflora*, Ell.

Barrens. Common.

- lanuginosa*, Decaisne. N.  
Prairies. Winnebago county. Bebb : McHenry. Vasey.
- longifolia*, Ell. Frequent.  
Moist prairies.
- paniculata*, Decaisne. C. & S.  
Prairies. Near Bloomington and Decatur, Miss Holmes ; Marion county, Bebb, Vasey.
- ENSLENIA  
*albida*, Nutt. C. & S.  
River banks. Hancock county. Mead : Menard, Hall ; and southward.
- GONOLOBUS  
*lævis*, Michx. S.  
Wabash county. Schneck.
- OLEACEÆ.  
FRAXINUS  
*Americana*, L. Common.  
River banks.
- pubescens*, Lam. Frequent.  
Banks of streams.
- viridis*, Michx. f. Frequent.  
River banks.
- sambucifolia*, Lam. C. & N.  
Swamps. Fulton and Peoria counties, Wolf, Brendel ; Kankakee, Hill ; and probably north.
- quadrangulata*, Michx. Frequent.  
Rich woods.
- FORESTIERA  
*acuminata*, Poir. C. & S.  
River banks. Menard county, Hall ; and southward.
- ARISTOLOCHIACEÆ.  
ASARUM  
*Canadense*, L. Common.  
Rich woods.
- ARISTOLOCHIA  
*Serpentaria*, L. C. & S.  
Rich woods, from Peoria county (Brendel) southward.
- tomentosa*, Sims. S.  
River banks. Wabash county, Schneck ; Jackson, Vasey ; and southward.
- NYCTAGINACEÆ.  
OXYBAPHUS  
*nyctagineus*, Sweet.  
Sandy and rocky river banks and barrens. Likely to become a troublesome weed in cultivated grounds, where it spreads rapidly. Frequent.
- PHYTOLACCACEÆ.  
PHYTOLACCA  
*decandra*, L. Frequent.  
Low grounds, waste places.
- CHENOPODIACEÆ.  
CYCLOLOMA  
*platyphyllum*, Moq. W. & N.  
Sandy river banks. Menard county, Hall ; Fulton, Wolf ; common along the Mississippi about Oquawka, and probably northward. Chicago, (rare), Babeock ; perhaps introduced. Also at Grand Tower, Jackson county, French, doubtless adventive from the north.
- CHENOPODIUM  
*album*, L. Common.  
Fields, gardens, &c.
- glaucum*, L. N.  
Streets of Chicago, Babeock ; Winnebago county, Bebb ; Kankakee, Hill. Scarce.
- urbicum*, L. Scarce.  
Waste places.
- murale*, L. S.  
Southern Illinois. Vasey.
- hybridum*, L. Frequent.  
Waste places.
- Botrys*, L. Common.  
Escaped from gardens to roadsides.
- ambrosioides*, L. Common.  
Roadsides, &c.
- var. anthelminticum*, Gr. Common.  
Roadsides, &c.
- BLITUM  
*capitatum*, L. N.  
McHenry county, Vasey.
- ATRIPLEX  
*patula*, L. Abundant at Canton, Fulton county, Wolf ; Chicago, Babeock.

## CORISPERMUM

- hyssoifolium*, L. N.E.  
Abundant on lake shore about Chicago, Babcock.

## AMARANTACEÆ.

## AMARANTUS

- paniculatus*, L.  
Sparingly escaped from gardens.  
*retroflexus*, L.  
Fields, gardens, &c. Common.  
*albus*, L.  
Roadsides and waste places. Common.  
*spinosus*, L. C. & S.  
Waste places, from Peoria county southward.  
Scarce.

## MONTELLA

- tamariscina*, Gray.  
River banks. Common.

## IRESINE

- celosioides*, L. S.  
Wabash county, Schneck.

## FRÆLICHIA

- Floridana*, Moq. W.  
Sandy barrens. Henderson county; Mason and Menard, Mead, Hall.

## POLYGONACEÆ.

## POLYGONUM

- orientale*, L.  
Spontaneous about gardens.  
*Pennsylvanicum*, L.  
Damp places. Common.  
*incarnatum*, Ell.  
Low grounds. Common.  
*Hartwrightii*, Gray. N.  
Winnebago county, Bebb.  
*Persicaria*, L.  
Roadsides, &c. Common.  
*Hydropiper*, L.  
Low grounds. Common.  
*acre*, H. B. K.  
Low grounds. Common.  
*hydropiperoides*, Michx.  
Margins of ponds, &c. Frequent.  
*amphibium*, L.  
In ponds and damp grounds. Common.

## Virginianum, L.

- Rich woods. Scarce.

*articulatum*, L. N.

- Near Dixon, Vasey; Ogle county, Bebb.

*aviculare*, L.

- Roadsides and waste places. Common.

var. *erectum*, Roth.

- Common.

*ramosissimum*, Michx.

- River banks and barrens. Frequent.

*tenue*, Michx.

- Dry prairies and barrens. Frequent.

*arifolium*, L.

- Low grounds. McHenry county, Vasey.

*sagittatum*, L.

- Low grounds. Frequent.

*Convolvulus*, L.

- Fields, and waste places. Common.

*dumetorum*, L.

- Moist thickets. Common.

## FAGOPYRUM

*esculentum*, Mœnch.

- Persistent in fields.

## RUMEX

*Patientia*, L.

- Spontaneous about gardens at Augusta, Hancock county. Mead.

*orbiculatus*, Gray. C. & N.

- Wet places. Menard county, Hall; and northward. Scarce.

*Britannica*, L.

- Low grounds. Frequent.

*conglomeratus*, Murray.

- Kankakee county, Hill.

*verticillatus*, L.

- Wet places. Frequent.

*crispus*, L.

- Gardens and waste places. Common.

*obtusifolius*, L.

- With the last. Frequent.

*maritimus*, L. N.

- McHenry county, Vasey.

*Engelmanni*, Ledeb. S.W.

- Formerly in St. Clair county, station now destroyed by cultivation, Engelmann.

- Acetosella*, L.  
Dry fields, roadsides, &c. Common.
- BRUNNICHIA  
*cirrrosa*, Banks. S.  
Pulaski county, Brendel.
- LAURACEÆ.
- SASSAFRAS  
*officinale*, Nees. Frequent.  
Rich woods.
- LINDERA  
*Benzoin*, Meisner. C. & S.  
Damp woods. Fulton county, Wolf; and southward.
- THYMELEACEÆ.
- DIRCA  
*palustris*, L. N.  
Damp woods. Peoria county, Brendel; and northward.
- ELÆAGNACEÆ.
- SHEPHERDIA  
*Canadensis*, Nutt.  
Near Chicago, Babcock.
- SANTALACEÆ.
- COMANDRA  
*umbellata*, Nutt. Common.  
Dry prairies.
- LORANTHACEÆ.
- PHORADENDRON  
*flavescens*, Nutt. S.  
Wabash and Jackson counties; and southward.
- SAURURACEÆ.
- SAURURUS  
*cernuus*, L. Scarce.  
Swamps.
- CERATOPHYLLACEÆ.
- CERATOPHYLLUM  
*demersum*, L. Frequent.  
Ponds.

## CALLITRICHACEÆ.

- CALLITRICHE  
*Austini*, Engelm.  
Damp grounds. Menard county, Hall; Washington, Vasey.  
*verna*, L.  
Ponds. Peoria and Fulton counties, Brendel, Wolf.  
*heterophylla*, Pursh. C. & S.  
Ponds. Menard county, Hall; Wabash, Schneck.  
*autumnalis*, L.  
Hancock county, Mead; Fulton, Wolf.

## EUPHORBIACEÆ.

- EUPHORBIA  
*polygonifolia*, L. N-E.  
Common on sands of lake shore about Chicago, Babcock.  
*Geyeri*, Engelm. C. & N.  
Sandy prairies and barrens of Menard, Mason and Cass counties; Henderson; Lee, Vasey.  
*serpens*, H. B. K. S-W.  
In rich soil. Menard county, Hall; St. Clair, Engelmann. Common along R., R. I. & St. L. Railroad at Monmouth, Warren county, probably adventive from the south.  
*glyptosperma*, Engelm.  
St. Clair county, Engelmann; Menard, Hall; Winnebago, Bebb. Rare.  
*maculata*, L. Common.  
Dry or moist open places.  
*humistrata*, Engelm. W.  
Alluvial river banks. Henderson county; Fulton, Wolf; Menard, Hall; and southward.  
*hypericifolia*, L. Common.  
Fields, dry open woods, &c.  
*corollata*, L. Common.  
Dry open woods and prairies.  
*dentata*, Michx. C. & S.  
Henderson county (common along C. B. & Q. Railroad east of Sagetown, perhaps introduced); Peoria, Brendel; Adams, Vasey; Menard, Hall; and probably southward. Scarce.  
*heterophylla*, L.  
Rocky hillsides, &c. Winnebago county, Bebb; Kankakee, Hill; Peoria, Brendel; Mason and Menard, Mead, Hall; and probably southward. Infrequent.

- obtusata*, Pursh.  
Damp woods. Kankakee county, Hill; Peoria, Brendel; Kankakee, Mead. Rare.
- Helioscopia*, L.  
About gardens in Menard and Hancock counties, Hall, Mead.
- Cyparissias*, L.  
Sparingly escaped from cultivation.
- commutata*, Engelm.  
Near Chicago, Babcock; banks of Rock river in Winnebago and Ogle counties, Bebb, and at Dixon, Vasey.
- ACALYPHA  
*Virginica*, L.  
Open woods, fields, &c. Common.  
var. *gracilens*, Gray.  
In drier places.  
*Caroliniana*, Walt. S.  
Near Jonesboro, Union county, Vasey; Wabash, Schneck.
- TRAGIA  
*macrocarpa*, Willd. S.  
Banks of the Ohio at Golconda, Pope county, Forbes.
- CROTON  
*glandulosus*, L. C. & S.  
Common in sandy barrens about Oquawka, Henderson county; Fulton, Wolf; and southward. Scarce.  
*capitatus*, Michx. C. & S.  
Barrens and roadsides. Menard county, Hall; and southward.  
*monanthogynus*, Michx. S.  
Barrens. Marion county, Vasey; St. Clair, Brendel; and southward.
- CROTONOPSIS  
*linearis*, Michx. C. & S.  
Barrens. Menard county, Hall; and southward.
- PHYLLANTHUS  
*Carolinensis*, Walt. C. & S.  
From Fulton and Mason counties southward.
- URTICACEÆ  
ULMUS  
*fulva*, Michx.  
River banks. Common.  
*Americana*, L.  
With the last. Common.
- racemosa*, Thomas. N.  
Near Elgin, Kane county, Vasey.
- alata*, Michx. S.  
Wabash and Jackson counties; and southward.
- CELTIS  
*occidentalis*, L.  
Banks of streams. Common.  
*Mississippiensis*, Bosc. S.  
River banks. Wabash and Jackson counties; and southward.
- MORUS  
*rubra*, L.  
Rich soil along streams. Common.
- URTICA  
*gracilis*, Ait.  
Moist grounds. Scarce.  
*dioica*, L.  
Waste places. Hancock county, Mead; Fulton, Wolf; Wabash, Schneck. Scarce.
- LAPORTEA  
*Canadensis*, Gaud.  
Damp rich woods. Frequent.
- PILEA  
*pumila*, Gray.  
Damp woods and banks. Common.
- BÆHMERIA  
*cylindrica*, Willd.  
Damp woods. Frequent.
- PARIETARIA  
*Pennsylvanica*, Muhl.  
Shaded rocks, hedges, &c. Common.
- CANNABIS  
*sativa*, L.  
Waste places. Common.
- HUMULUS  
*Lupulus*, L.  
Banks of streams. Frequent.
- PLATANACEÆ  
PLATANUS  
*occidentalis*, L. C. & S.  
River banks. Henderson, Peoria and Kankakee counties, and southward. Common.

## JUGLANDACEÆ.

## JUGLANS

*cinerea*, L.

Banks of streams. Common.

*nigra*, L.

With the last. Common.

## CARYA

*olivæformis*, Nutt. C. & S.

River banks. Common in Mississippi bottoms at Oquawka, Henderson county (and probably further north); Peoria, Brendel; and southward.

*alba*, Nutt.

Dry hillsides, &amp;c. Common.

*sulcata*, Nutt.

River bottoms from Henderson and Peoria counties southward: and probably northward to Wisconsin along the Mississippi. The nut varies greatly in size and in the texture of the shell, which is sometimes thin and white as in the last.

*tomentosa*, Nutt.

Dry hillsides and barrens. Common.

*porcina*, Nutt.

Woods. Common.

*amara*, Nutt.

Woods along streams. Common.

## CUPULIFERÆ.

## QUERCUS

*alba*, L.

Rich woods. Common.

*obtusiloba*, Michx.

Barrens. Scarce northward.

*macrocarpa*, Michx.

In rich soil. Common.

[Fertile hybrids of *ALBA* and *MACROCARPA* occur in Menard county, Hall; Winnebago, Bebb.]*lyrata*, Walt. S.

Near Jonesboro, Union county, Vasey, Wolf; Wabash, Schneck.

*bicolor*, Willd.

Banks of streams. Frequent.

*Prinus*, L.

Elgin, Kane county, Vasey; and frequent southward.

var. *monticola*, Michx.

Menard county, Hall.

var. *acuminata*, Michx.

Rich woods. Frequent.

*imbricaria*, Michx.

Near Joliet, Munroe; and southward.

*nigra*, L.

Sandy barrens. Near Chicago, Babcock; Henderson county; and southward. Common.

*LEANA*, Nutt.—This hybrid occurs in Peoria county, Brendel; Fulton, Wolf; and formerly in Hancock, Mead; also in Southern Ills., Forbes. Prof. Wolf has seen an *IMBRICARIA* tree with the leaves of *LEANA* on the lower branches.*falcata*, Michx. S.

Jackson and Union counties, French, Vasey.

*coccinea*, Wang.

Rich, or dry and sandy soil. Common.

var. *tinctoria*, Gray.

With the last. Common.

*rubra*, L.

Mostly in rich soil along streams. Common.

*palustris*, Du Roi.

River banks. Scarce northward.

## FAGUS

*ferruginea*, Ait. S.

Wabash and Jackson counties; and southward.

## CORYLUS

*Americana*, Walt.

Hillsides and ravines. Common.

## OSTRYA

*Virginica*, Willd.

Rich woods. Common.

## CARPINUS

*Americana*, Michx.

Banks of streams. Frequent.

## MYRICACEÆ.

## COMPTONIA

*asplenifolia*, Ait. N.

Kankakee county, Hill, about Chicago, Munroe, Vasey, Babcock.

## BETULACEÆ.

## BETULA

*lenta*, L.

Near Dixon, Vasey; Wabash county, Schneck.



*papyracea*, Ait. N.

Lake shore about Chicago, (rare), Babcock; and Evanston, Vasey.

*nigra*, L. C. & S.

River banks. Kankakee and Henderson counties and southward. Common.

*pumila*, L. N.

Wet places. Near Chicago, Munroe; McHenry county, Vasey.

## ALNUS

*serrulata*, Ait.

Bureau, McLean, Macon and Madison counties, Miss Holmes; White, Schneck; Union, French.

## SALICACEÆ.

## SALIX (By M. S. BEBB.)

*candida*, Willd. N.

In cold bogs, Peoria county, Brendel; McHenry, Vasey; Cook, Babcock; Winnebago! Rare.

*tristis*, Ait.

Sterile knolls and warm sandy prairies. Widely distributed but Infrequent.

*humilis*, Marshall.

Prairies and barrens. Everywhere our most common Willow.

Mr. Walsh has described (Proc. Ent. Soc'y Phila.) the "astonishing number of ten distinct galls" produced by this species: the number borne by other common Willows varying from one to (usually) three or four.

*discolor*, Muhl.

Banks of streams, throughout. Common.

Probably including several species confused by cross fertilization.

*sericea*, Marshall.

Peoria county, Brendel. Rare.

This species was published in 1785. *S. PETIOLARIS* was founded upon a cultivated plant, supposed to be of British origin, and published by Sir J. E. Smith (Linn. Trans. Vol. 6) in 1802, though the paper was received in 1801: therefore, should the two be united as has been done by Anderson, *S. SERICEA* should take precedence as the type of the aggregated species.

*petiolaris*, Smith.

Wabash county, Schneck; reported by others only at the north, where it is frequent.

var. *gracilis*, Anders.

Both forms, *SERICOCARPA* and *LEIOCARPA*, at Fountaindale, Winnebago county.

From *S. SERICEA*, Marsh. through this species and *S. ANGUSTATA*, Pursh to *S. CORDATA*, Muhl. an unbroken series of transitional forms occur—

the result of cross fertilization—making the limitation of species very difficult, if not purely arbitrary. The hybrid *SERICEXCORDATA* presents, very nearly, the technical characters of *S. PETIOLARIS*, Smith.

*adenophylla*, Hook. N-E.

Lake shore near Chicago, Babcock, Vasey.

Retains under cultivation its remarkably distinct character: the tomentose, glandular-serrate leaves, very unlike those of any other Willow occurring in the States east of the Mississippi.

*cordata*, Muhl.

Low, wet prairies and along streams.

Common.

(?) var. *glaucophylla*, Bebb.

On the lake shore, associated with *S. ADENOPHYLLA*—Babcock; Fountaindale, (only three plants.)

In the Willow garden at Fountaindale, where several forms of this fine Willow sent by Mr. Babcock are under cultivation, it has every appearance of being specifically distinct from *S. CORDATA*.

*rostrata*, Richardson. N.

Henderson county, Patterson; otherwise only reported from the northern counties, where it is not uncommon.

*lucida*, Muhl.

Along streams, usually growing at the water's edge. Common at the north.

*nigra*, Marsh.

Common along water courses, especially southward.

*amygdaloides*, Anders.

(*S. NIGRA*, var., Anders. in DC.)

Peoria county, Brendel; Henderson, Patterson; Cook, Babcock; Winnebago!

There is a similarity between the characters which distinguish this from the typical form of *S. NIGRA* and those which separate *S. PETIOLARIS* from *S. SERICEA*. If *S. PETIOLARIS* is admitted as a valid species, *S. AMYGDALOIDES* claims equal distinction.

*longifolia*, Muhl.

Wet places, throughout. Common.

var. *argyrophylla*, Anders.

Winnebago county!

*myrtilloides*, L. N.

Cold peat bogs. Peoria county, Brendel; McHenry, Vasey. Rare.

Widely distributed in sub-arctic regions, extending southward along the Pacific coast to Oregon, and on the Atlantic side to New Jersey. Its occurrence so far south in the Mississippi valley as found by Dr. Brendel, taken in connection with the equally unexpected finding of *S. CANDIDA*, indicates an exceptionally cold spot for the latitude.

## POPULUS

- tremuloides, Michx. Common.  
Woods.
- grandidentata, Michx. C. & N.  
From Menard county northward. Frequent.
- heterophylla, L. S.  
River banks. Wabash and Jackson counties,  
and southward.
- monilifera, Ait. Common.  
River banks.
- angulata, Ait.  
Hancock county, Mead.

## CONIFERÆ.

## PINUS

- Banksiana, Lambert. N.  
Abundant at Pine Station, near Chicago, Bab-  
cock ; Og'e county, Bebb.
- mitis, Michx. S.  
Jackson and Union counties, Forbes.
- Strobus, L. N.  
Cook county, Vasey ; Winnebago, Bebb.

## LARIX

- Americana, Michx. N.  
McHenry county, Vasey.

## THUJA

- occidentalis, L. N.  
Swamps. One very old tree noticed near Peoria,  
many years ago, Brendel ; Chicago, Babcock,  
and Elgin, Kane county, Vasey.

## CUPRESSUS

- thyoides, L. S.  
Gallatin county, Schneck.

## TAXODIUM

- distichum, Richard. S.  
Swamps. Wabash county, Schneck ; Union,  
Vasey, Brendel.

## JUNIPERUS

- communis, L.  
Near Chicago, Babcock ; Kankakee county, Hill ;  
Wabash, Schneck. Scarce.
- Virginiana, L.  
Rocky hillsides, &c. Frequent.
- Sabina, L.,  
var. procumbens, Pursh. N-E.  
Near Chicago, Babcock.

## TAXUS

- baccata, L.,  
var. Canadensis, Gray. N.  
Winnebago county, Bebb.

## ARACEÆ.

## ARISÆMA

- triphyllum, Torr. Common.  
Rich woods.
- Dracontium, Schott. Common.  
Woods along streams.

## PELTANDRA

- Virginica, Raf.  
Ponds. Kankakee county, Hill ; Peoria, Bren-  
del ; Cass, Mead ; and in S. Illinois, Forbes.  
Scarce.

## SYMPLOCARPUS

- fetidus, Salisb.  
Wet places, especially near cold springs.  
Infrequent.

## ACORUS

- Calamus, L. Frequent.  
Margins of ponds, &c.

## LEMNACEÆ.

## LEMNA

- trisulca, L. Infrequent.  
Ponds.
- minor, L. Frequent.  
Ponds.
- polyrrhiza, L. Common.  
Ponds.

## WOLFFIA

- Columbiana, Karsten.  
Ponds. Menard county, Hall ; Fulton, Wolf ;  
St. Clair, Engelmann.
- Braziliensis, Weddell.  
Menard county, Hall.

## TYPHACEÆ.

## TYPHA

- latifolia, L. Common.  
Margins of ponds.

## SPARGANIUM

- eurycarpum, Engelm. Common.  
Wet places.
- simplex, Hudson. N.  
McHenry county, Vasey.

- var. *androcladum*, Gray. S.  
Wabash county, Schneck.
- var. *angustifolium*, Gray. N.  
McHenry county, Vasey.

## NAIADACEÆ.

## NAIAS

- flexilis*, Rostk.  
Ponds. Frequent.

- Indica*, var. *gracillima*, Braun.  
Ponds. Wabash county, Schneck.

## ZANNICHELLIA

- palustris*, L.  
Ponds. Peoria, Menard, Fulton and Henderson counties, and probably elsewhere, but Scarce.

## POTAMOGETON

- natans*, L.  
Ponds. Frequent.

- Claytonii*, Tuckerman.  
Fulton county, Wolf.

- Vaseyi*, Robbins. N.  
Near Ringwood, McHenry county, Vasey.

- Spirillus*, Tuckerman.  
McHenry county, Vasey.

- hybridus*, Michx.  
Ponds. Infrequent.
- rufescens*, Schrader. N.  
McHenry county, Vasey.

- lonchites*, Tuckerman. N.  
Chicago, Babcock; McHenry county, Vasey.

- pulcher*, Tuckerman.  
Mason county, Hall.

- gramineus*, L.  
Near Chicago, Babcock; McHenry county, Vasey; Hancock, Mead.

- lucens*, L.  
McHenry county, Vasey; Kankakee, Hill; Wabash, Schneck.

- perfoliatus*, L.  
McHenry county, Vasey; Kankakee, Hill.

- compressus*, L.  
McHenry county, Vasey; Kankakee, Hill; Menard, Hall.

- pauciflorus*, Pursh.  
Peoria county, Brendel; Kankakee, Hill; McHenry, Vasey.

- pusillus*, L.  
Peoria and Fulton counties, Brendel, Wolf; Menard, Hall.

- pectinatus*, L.  
Ponds. Frequent.

## ALISMACEÆ.

## TRIGLOCHIN

- palustre*, L. N.  
Peoria county, Brendel; Kane and McHenry, Vasey.

- maritimum*, L. N-E.  
Chicago, Babcock; McHenry county, Vasey.

## SCHEUCHZERIA

- palustris*, L. C. & N.  
Menard county, Hall; McHenry, Vasey.

## ALISMA

- Plantago*, L., var. *Americanum*, Gr.  
Margins of ponds, &c. Common.

## ECHINODORUS

- parvulus*, Engelm.  
Mason and Cass counties, Mead.

- rostratus*, Engelm. C. & S.  
About ponds, &c. Peoria county, Brendel; and southward.

- radicans*, Engelm.  
Menard county, Hall; and southward.

## SAGITTARIA

- variabilis*, Engelm.  
Ponds and ditches. Common.

- calycina*, Engelm.  
Margins of ponds in Mississippi bottoms about Oquawka, Henderson county; Menard county, Hall. Rare.

- heterophylla*, Pursh.  
Ponds, often in water two or three feet deep. Frequent.

- graminea*, Michx.  
Margins of ponds. Scarce.

## HYDROCHARIDACEÆ.

## LIMNOBIUM

- Spongia*, Richard. S.  
Ponds. Union county, Vasey, Brendel.

## ANACHARIS

- Canadensis*, Planchon.  
Ponds and slow streams. Common.

## VALLISNERIA

- spiralis*, L.  
Slow streams. Infrequent.

## ORCHIDACEÆ.

## ORCHIS

- spectabilis*, L.  
Rich woods throughout, but Scarce.

## HABENARIA

- virescens*, Spreng.  
Near Chicago, Babcock; Peoria county, Brendel.  
*viridis*, R. Br.,  
var. *bracteata*, Reich. N.  
Near Chicago, Babcock; Kankakee county, Hill;  
Winnebago and McHenry, Bebb, Vasey.

- Hookeri*, Torr.  
Glencoe, Cook county, Babcock.  
*ciliaris*, R. Br.  
Kankakee county, Hill; near Jonesboro, Union  
county, Miss Holmes.

- leucophæa*, Gray.  
Moist prairies. Scarce.

- lacera*, R. Br.  
Calumet, Cook county, Babcock.

- psycodes*, Gray.  
Winnebago county, Miss Holmes.

- peramœna*, Gray. S.  
Marion county, Bebb; and southward.

## GOODYERA

- repens*, R. Br.  
Woods. Union county, French.  
*pubescens*, R. Br.  
Woods. McHenry county, Vasey.

## SPIRANTHES

- latifolia*, Torr.  
Menard county, Hall.  
*cernua*, Richard.  
Prairies. Scarce.  
*gracilis*, Bigelow.  
Prairie hillsides. Scarce.

## POGONIA

- ophioglossoides*, Nutt.  
McHenry county, Vasey; Kankakee, Hill.

*pendula*, Lindley.

Damp woods. Peoria county, Brendel; Menard,  
Hall; in the highlands of Union county, very  
common in certain localities, occurring in patches  
about old logs, &c., Forbes; Wabash, Schneck.

## CALOPOGON

- pulchellus*, R. Br.  
Prairies. Infrequent.

## MICROSTYLIS

- monophyllos*, Lindl. C. & N.  
Swamps. Menard county, Brendel; Elgin, Kane  
county, Vasey. Rare.

- ophioglossoides*, Nutt.  
Rich woods, in Henderson, Hancock and Menard  
counties. Rare.

## LIPARIS

- liliifolia*, Richard.  
Rich woods. Scarce.  
*Lœselii*, Richard.  
Bogs. Peoria county, Brendel; Menard, Hall.  
Rare.

## CORALLORHIZA

- odontorhiza*, Nutt. C. & S.  
Woods. Henderson county; Menard, Hall; Wa-  
bash, Schneck; Union, Forbes. Rare.

- multiflora*, Nutt.  
Dry woods. St. Clair county, Brendel.

## APLECTRUM

- hyemale*, Nutt.  
Rich woods. Winnebago county, Miss Holmes;  
Peoria, Brendel; Hancock, Mead; Menard, Hall;  
common near Makanda, Jackson county, Forbes;  
Wabash, Schneck. Scarce.

## CYPRIPEDIUM

- candidum*, Muhl.  
Dry or moist prairies. Becoming scarce.  
*parviflorum*, Salisb.  
Damp prairies and woods. Scarce.  
*pubescens*, Willd.  
Rich woods. Frequent.  
*spectabile*, Swartz.  
Bogs and damp woods. Scarce.

## AMARYLLIDACEÆ.

## PANCRATIUM

- rotatum*, Ker. S.  
Swamps. Wabash county, Schneck; Jackson  
and Union, Vasey, Forbes.

## AGAVE

*Virginica*, L. S.

Rocky hillsides, &c. St. Clair county, Brendel ;  
Wabash, Schneck ; and southward.

## HYPOXYS

*erecta*, L. Common.  
Open grassy places.

## HÆMODORACEÆ.

## ALETRIS

*farinosa*, L. E.

Woods. Common at Hyde Park, near Chicago,  
Babcock ; Kankakee county, Hill ; Wabash,  
Schneck.

## IRIDACEÆ.

## IRIS

*versicolor*, L. Common.  
Low grounds.

*cuprea*, Pursh.

Mound City, Pulaski county, Vasey.

## PARDANTHUS

*Chinensis*, Ker.

Thoroughly naturalized at Grand Tower, Jack-  
son county, Vasey ; and sparingly escaped from  
cultivation in other localities.

## SISYRINCHIUM

*Bermudiana*, L. Common.  
Moist prairies, &c.

## DIOSCOREACEÆ.

## DIOSCOREA

*villosa*, L. Frequent.  
Rich woods.

## SMILACEÆ.

## SMILAX

*rotundifolia*, L. Infrequent.  
Rich woods.

var. *quadrangularis*, Gray. S.

From St. Clair and Wabash counties southward.

*glauca*, Walt. C. & S.

Woods. Springfield, Vasey ; and southward.

*tamnoides*, L. S.

Thickets. Jackson county, French ; and south-  
ward.

*hispida*, Muhl.

Rich woods. Frequent.

*herbacea*, L.

Woods and open places along streams.

## LILIACEÆ.

## TRILLIUM

*sessile*, L.

Moist woods. Kankakee county, Hill ; Wabash,  
Schneck. Rare.

*recurvatum*, Beck.

Rich woods. Common.

*grandiflorum*, Salisb.

Abundant in ravines at Glencoe, Cook county,  
Babcock ; Wabash, Schneck. Rare.

*erectum*, L., var. *album*, Pursh.

Rich woods. Scarce.

var. *declinatum*, Gray.

Rich woods, northward.

*cernuum*, L. N ?

Moist woods. McHenry county, Vasey ; Kan-  
kakee, Hill.

*nivale*, Riddell. N.

Rich woods. Fulton and Peoria counties, Wolf,  
Brendel ; near Dixon, Vasey. Rare.

## MEDEOLA

*Virginica*, L.

Near Chicago, Babcock.

## MELANTHIUM

*Virginicum*, L.

Damp prairies. Infrequent.

## ZYGADENUS

*glauca*, Nutt. N.

Elgin, Kane county, Vasey.

## STENANTHIUM

*angustifolium*, Gray. C. & S.

Pleasant Vale, Pike county, Mead ; Jonesboro,  
Union county, Miss Holmes.

## VERATRUM

*Woodii*, Robbins.

On dry wooded hillsides, near limestone ridges,  
along Warsaw road, between West Point and  
Bear Creek, Hancock county, Mead. July.

## CHAMÆLIRIUM

*luteum*, Gray.

Illinois—Gray's Manual.

TOFIELDIA			
	<i>glutinosa</i> , Willd.	N.	
	Near Chicago, Babcock; McHenry co., Vasey.		
UVULARIA			
	<i>grandiflora</i> , Smith.		
	Rich woods.	Frequent.	
	<i>perfoliata</i> , L.		
	Rich woods.	Scarce.	
SMILACINA			
	<i>racemosa</i> , Desf.		
	Rich woods.	Frequent.	
	<i>stellata</i> , Desf.		
	Moist banks.	Frequent.	
	<i>trifolia</i> , Desf.		
	Near Chicago, Babcock; Hancock county, Mead.		
	<i>bifolia</i> , Ker.	N.	
	Moist woods. Kankakee, Hill; and northern counties.		
POLYGONATUM			
	<i>biflorum</i> , Ell.		
	Open woods.	Common.	
	<i>giganteum</i> , Dietrich.		
	Woods.	Common.	
LILIUM			
	<i>Philadelphicum</i> , L.		
	Prairies.	Common.	
	<i>Canadense</i> , L.		
	Moist prairies.	Infrequent.	
	<i>superbum</i> , L.		
	Moist prairies.	Infrequent.	
ERYTHRONIUM			
	<i>Americanum</i> , Smith.	N.	
	Near Chicago, Babcock; McHenry co., Vasey.		
	<i>albidum</i> , Nutt.		
	Moist rich woods.	Common.	
SCILLA			
	<i>Fraseri</i> , Gray.		
	Low prairies.	Common.	
ALLIUM			
	<i>tricoceum</i> , Ait.		
	Rich woods.	Frequent.	
	<i>cernuum</i> , Roth.	N.	
	Common on prairies about Chicago, Babcock; Kankakee county, Hill; La Salle, Forbes; McHenry, Vasey.		
	<i>stellatum</i> , Nutt.	W.	
	On rocky edges of the bluffs on both sides of the Mississippi below St. Louis; on sandstone precipices above Prairie du Rocher; Engelmann.		
	<i>Canadense</i> , Kalm.		
	Damp prairies and woods.	Common.	
	<i>striatum</i> , Jacq.	C. & S.	
	Prairies and open woods. Fulton county, Vasey; and southward. Frequent.		
JUNCACEÆ.			
LUZULA			
	<i>campestris</i> , DC.		
	Dry woods, &c.	Frequent northward.	
JUNCUS			
	<i>effusus</i> , L.		
	Low grounds.	Scarce.	
	<i>Balticus</i> , Dethard.	N-E.	
	Common on lake shore about Chicago, Babcock.		
	<i>marginatus</i> , Rostk.		
	Kankakee county, Hill; Hancock, Mead; and southward.		
	<i>bufonius</i> , L.		
	Damp places by roadsides. Henderson county; McHenry, Vasey. Rare.		
	<i>Gerardi</i> , Loisel.	N-E.	
	Chicago, Vasey.		
	<i>tenuis</i> , Willd.		
	Common in wet meadows, &c. Var. <i>SECUNDUS</i> in Hancock county, Mead.		
	<i>Greenii</i> , Oakes & Tuck.	N-E.	
	River banks near Kankakee, Hill.		
	<i>Vaseyi</i> , Engelm.	N.	
	Near Ringwood, McHenry county, Vasey.		
	<i>alpinus</i> , var. <i>insignis</i> , Fries.	N.	
	Near Ringwood, McHenry county, Vasey.		
	<i>acuminatus</i> , Michx. :		
	var. <i>legitimus</i> , Engelm.		
	Low grounds, throughout.		
	<i>var. robustus</i> , Engelm.	C. & S.	
	From Hancock county (Mead) southward.		
	<i>var. debilis</i> , Engelm.	S.	
	Southern Illinois, Vasey.		
	<i>nodosus</i> , L.	N.	
	Swamps. Kankakee county, Hill; and northward.		

- var. *megacephalus*, Torr. C. & N.  
Menard county, Hall : and northward.  
*brachycarpus*, Engelm.  
Moist woods and prairies. Scarce.  
*Canadensis*, J. Gay. :  
var. *longicaudatus*, Eng. N.  
Kankakee county, Hill ; McHenry, Vasey.  
var. *brachycephalus*, Eng. N.  
Peoria county, Brendel, and probably northward.  
var. *coarctatus*, Engelm. N.  
Kankakee county, Hill.

## PONTEDERIACEÆ.

## PONTEDERIA

*cordata*, L.

Ponds. Infrequent.

## HETERANTHERA

*reniformis*, Ruiz & Pav. S.

Wabash county, Schneck.

*limosa*, Vahl.

Illinois—Gray's Manual.

## SCHOLLERA

*graminea*, Willd.

In ponds and slow streams. Frequent.

## COMMELYNACEÆ.

## COMMELYNA

*erecta*, L. S.

Wabash county, Schneck.

*Virginica*, L. C. & S.

Henderson county, (in sandy barrens) ; Mason, Mead ; and southward.

*Cayennensis*, Richard. S.

Madison county, Hall ; and southward.

## TRADESCANTIA

*Virginica*, L.

Open woods and prairies. Common.

*pilosa*, Lehm. C. & S.

Hancock county, Mead ; and southward.

## XYRIDACEÆ.

## XYRIS

*flexuosa*, Muhl.

Calumet, Cook county, (rare), Babcock ; Kankakee, Hill ; Mason, Hall. Rare.

## CYPERACEÆ.

## CYPERUS

*flavescens*, L. S.

Low grounds. Jonesboro, Union county, Vasey.

*diandrus*, Torr.

Low grounds. Common.

*erythrorhizos*, Muhl.

River banks, throughout. Frequent.

*inflexus*, Muhl.

River banks, close to the water. Common.

*acuminatus*, Torr. C. & S.

Low grounds, from Henderson and Peoria counties southward. Rare.

*phymatodes*, Muhl.

Wet places. Frequent.

*strigosus*, L.

Low grounds. Common.

*Michauxianus*, Schultes.

Low grounds. Frequent.

*Engelmanni*, Steud.

Low grounds. McHenry county, Vasey ; banks of Cahokia creek, St. Clair county, Engelmann.

*Schweinitzii*, Torr. C. & N.

Sandy river banks, from Mason county northward. Frequent.

*filiculmis*, Vahl.

Barrens. Frequent.

*ovularis*, Torr. C. & S.

Barrens. Peoria county, Brendel ; and southward.

## KYLINGIA

*pumila*, Michx. C. & S.

Low grounds. Menard county, Hall ; and southward.

## DULICHIMUM

*spathaceum*, Pers.

Borders of ponds. Frequent.

## FUIRENA

*squarrosa*, Michx. S.

Jonesboro, Union county, Vasey.

## HEMICARPHA

*subsquarrosa*, Nees.

Sandy river banks, close to the water.

## ELEOCHARIS

*quadrangulata*, R. Br. S.

St. Clair county, Brendel.

- obtusata*, Schultes.  
Wet places. Common.
- Engelmanni*, Steud.  
Differs from the last in its cylindrical spikes, shorter bristles and always 2-cleft style. Mississippi bottoms opposite St. Louis, Engelmann.
- var. *detonsa*, Gray.  
Bristles wanting, or only their bases present. Spikes sometimes proliferous at base. Mississippi bottoms 1 mile south of Oquawka.
- palustris*, R. Br.  
Wet places. Common.
- Wolfii*, Gray.  
"Perennial, with very slender creeping rhizomes in small, scattered tufts; culm a foot high, slender, pale-glaucous, two-edged, flat on one side, convex on the other, faintly striate on both, sheath with obliquely truncate hyaline opening; spike ovate-oblong, acute; scales oblong-ovate, obtuse, scarious, pale tinged with purple; style 3-parted; achenium obovate, somewhat shining, faintly costate with about 9 ribs, the spaces between the ribs transversely marked with dotted lines, tubercle small, depressed-truncate and with the center more or less beaked; bristles of the perigynium (always?) none."  
Margins of ponds. Peoria county, Brendel; Fulton, Wolf; Menard, Hall.
- compressa*, Sullivant. C. & N.  
Wet places, from Menard county northward.
- intermedia*, Schultes. C. & N.  
With the last.
- tenuis*, Schultes.  
Wet places. Common.
- acicularis*, R. Br.  
Margins of ponds. Common.
- SCIRPUS
- pauciflorus*, Lightfoot. N.  
Wet places. McHenry county, Vasey.
- cæspitosus*, L. N.  
McHenry county, Vasey.
- pungens*, Vahl.  
Wet places. Frequent.
- validus*, Vahl.  
Ponds. Common.
- debilis*, Pursh.  
Hancock county, Mead; Menard, Hall.
- supinus*, L., var. *Hallii*, Gray.  
Mason county, Hall.
- fluviatilis*, Gray. C. & N.  
Margins of ponds and streams, from Menard county northward.
- atrovirens*, Muhl.  
Wet prairies. Frequent.
- polyphyllus*, Vahl. S.  
Wet places. St. Clair county, Brendel; S. Ill., Vasey.
- lineatus*, Michx.  
Low grounds. Common, except at the north.
- Eriophorum*, Michx.  
Wet places. Frequent.
- ERIOPHORUM
- Virginicum*, L.  
Near Chicago, Babcock.
- polystachyon*, L. N.  
Bogs. Common near Chicago, Babcock; Winnebago county, Bebb; McHenry, Vasey.
- gracile*, Koch. N.  
Bogs. Peoria co., Brendel; McHenry, Vasey.
- FIMBRISTYLIS
- spadicea*, Vahl., var. *castanea*, Gray.  
Sandy low grounds. Near Chicago, Babcock; Kankakee county, Hill; Henderson; St. Clair, Brendel. Rare.
- laxa*, Vahl.  
Illinois—Gray's Manual.
- autumnalis*, Rœm. & Schult.  
Margins of streams and ponds, with *CYPERUS INFLEXUS* and *ERAGROSTIS REPTANS*.
- capillaris*, Gray.  
Sandy barrens. Scarce.
- RHYNCHOSPORA
- cymosa*, Nutt.  
Kankakee county, Hill.
- alba*, Vahl. N.  
Bogs. Peoria co., Brendel; McHenry, Vasey.
- capillacea*, Torr.  
Elgin, Kane county, Vasey; St. Clair, Brendel.
- glomerata*, Vahl.  
Near Chicago, Babcock; Kankakee co., Hill.
- corniculata*, Gray. S.  
Mound City, Pulaski county, Vasey.
- SCLERIA
- triglomerata*, Michx.  
Prairies. Frequent.



CLADIUM		
<i>mariseoides</i> , Torr.	N.	
Bogs. Cook county, Scammon in Herb. Bebb; McHenry, Vasey.		
CAREX		
<i>polytrichoides</i> , Muhl.		
Low grounds.	Scarce.	
<i>Stuedelii</i> , Kunth.		
Near Chicago, and Elgin, Kane county, Vasey; and frequent southward.		
<i>siccata</i> , Dew.	C. & N.	
Barrens. Menard county, Hall; and northward.		
<i>disticha</i> , Huds.	C. & N.	
Menard county, Hall; and northward.		
<i>teretiuscula</i> , Good.	C. & N.	
Wet prairies, from Fulton county northward.		
<i>var. major</i> , Koch.	N.	
With the last in Winnebago county, Bebb.		
<i>decomposita</i> , Muhl.		
Illinois—Gray's Manual.		
<i>vulpinoidea</i> , Michx.		
Low grounds.	Common.	
<i>crus-corvi</i> , Shuttleworth.		
Wet places bordering woods and thickets.		
<i>stipata</i> , Muhl.	Frequent.	
Low grounds.	Common.	
<i>conjuncta</i> , Boott.		
Low grounds.	Scarce.	
<i>sparganioides</i> , Muhl.		
Low grounds.	Frequent.	
<i>cephaloidea</i> , (Dew.) Boott.	C. & N.	
Open grassy places. Fulton county, Wolf; and northward. Not so averse to animal manures as most Carexes, and hence spreading in top-dressed meadows.—Bebb.		
<i>cephalophora</i> , Muhl.	Scarce.	
Woods and fields.	Frequent.	
<i>Muhlenbergii</i> , Schk.		
Barrens.	Scarce.	
<i>rosea</i> , Schk.		
Moist woods and meadows.	Frequent.	
<i>retroflexa</i> , Muhl.	S. ?	
Moist woods and meadows, southward. (Washington county, Vasey; Jackson, French.)		
<i>chordorhiza</i> , Ehrh.	N.	
Cold bogs. McHenry county, Vasey.		
<i>sterilis</i> , Willd.	N.	
Wet places. Peoria county, Brendel; Kankakee, Hill.		
<i>stellulata</i> , L.	C. & N.	
Wet places. Menard co., Hall; and northward.		
<i>var. scirpoides</i> , Gray.	C. & N.	
With the typical form.		
<i>arida</i> , Schw. & Torr.		
Damp woods and meadows.		
<i>scoparia</i> , Schk.	Frequent.	
Wet meadows.		
<i>Bebbii</i> , Olney.	Common.	
Moist prairies. Winnebago county, Bebb—(and along the great lakes and westward.)		
<i>lagopodioides</i> , Schk.	N.	
Moist meadows and shady places.		
<i>cristata</i> , Schw.	Common.	
Low grounds.	Frequent.	
<i>var. mirabilis</i> , Boott.		
With the typical form.		
<i>fenea</i> , Willd., <i>var. ? ferruginea</i> , Bt.	Frequent.	
Menard county, Hall; Wabash, Schneck.		
<i>straminea</i> , Schk.		
Damp prairies and borders of woods.		
Vars. <i>TYPICA</i> , <i>TENERA</i> and <i>FESTUCACEA</i> are common; <i>var. CRAWEL</i> in Winnebago county, Bebb; <i>var. MEADII</i> in Hancock county, Mead.		
<i>aquatilis</i> , Wahl.	Common.	
McHenry county, Vasey.		
<i>aperta</i> , Boott.	N.	
Low prairies, &c.	Frequent.	
<i>stricta</i> , Lam.		
Low grounds.	Common.	
<i>crinita</i> , Lam.		
Low grounds. McHenry county, Vasey; Hancock, Mead; Jackson, French.		
<i>limosa</i> , L.	Scarce.	
Bogs. Peoria county, Brendel.	N.	
<i>Buxbaumii</i> , Wahl.		
Bogs.	Not rare northward.	
<i>Shortiana</i> , Dew.	C. & S.	
Swamps, from Peoria county southward.		
<i>aurea</i> , Nutt.	N.	
Near Chicago, Babcock. Also the <i>var. ANDROGYNA</i> , Olney.		

- panicea*, L., var. *Meadii*, Olney. Infrequent.  
Moist prairies.
- var. *Bebbii*, Olney. N.?  
Winnebago county, Bebb; Chicago, Babcock.
- tetanica*, Schk. Frequent.  
Margins of lakes and streams.
- Crawei*, Dew. N.  
South-west of Hyde Park, Cook county, (rare),  
Babcock.
- granularis*, Muhl. Common.  
Low grounds.
- conoidea*, Schk. Scarce.  
Moist prairies.
- grisea*, Wahl. Common.  
Moist woods.
- Davisii*, Schw. & Torr. Frequent.  
Moist meadows and damp woods.
- virescens*, Muhl. C. & S.  
Woods, from Hancock county southward.
- triceps*, Michx. C. & S.  
Woods and meadows, from Peoria county (Bren-  
del) southward.
- plantaginea*, Lam. S.  
Rich woods. Washington county, French.
- Careyana*, Torr. S.  
Rich woods. Marion county, Bebb; Jackson  
and Union, Vasey, Brendel.
- platyphylla*, Carey. Frequent.  
Rich woods. McHenry county, Vasey.
- retrocurva*, Dew. Common.  
Elgin, Kane county, Vasey.
- digitalis*, Willd. Common.  
Peoria county, Brendel; southern Ills., Vasey.
- laxiflora*, Lam. Frequent.  
Open rich woods.
- oligocarpa*, Schk. C. & S.  
Woods. From Kankakee and Peoria counties  
southward.
- Hitchcockiana*, Dew. C. & S.  
Woods. Peoria county, and southward.
- pedunculata*, Muhl. N.  
Elgin, Kane county, Vasey.
- umbellata*, Schk. Scarce.  
Rocky hillsides. Menard county, Hall; and  
northward.
- Emmonsii*, Dew. Rare.  
Dry woody hillsides. Menard county, Hall, and  
southward, Vasey, French.
- Pennsylvanica*, Lam. Common.  
Dry hillsides and barrens.
- varia*, Muhl. Frequent.  
With the last.
- Richardsonii*, R. Br. C. & N.  
Prairies. Menard county, Hall; Peoria and  
Fulton, Brendel, Wolf; Winnebago, Bebb.  
Rare.
- pubescens*, Muhl. Frequent.  
Rich woods.
- debilis*, Michx. S.  
Southern Illinois, Vasey.
- Æderi*, Ehrh. N.  
Chicago, Babcock; McHenry county, Vasey.
- filiformis*, L. N.  
Bogs. Peoria county, Brendel; and northward.  
(Winnebago and McHenry, Bebb, Vasey.)
- lanuginosa*, Michx. Common.  
Low grounds.
- riparia*, Curtiss. Infrequent.  
Wet places.
- trichocarpa*, Muhl. C. & N.  
Low grounds. Menard county, Hall; and north-  
ward.
- var. *imberbis*, Gray. C. & N.  
With the typical form.
- comosa*, Boott. Frequent.  
Wet places.
- hystericina*, Willd. Common.  
Wet meadows.
- tentaculata*, Muhl. Frequent.  
Moist prairies.
- intumescens*, Rudge. Infrequent.  
Wet places.
- Grayii*, Carey. Frequent.  
Damp, open woods along streams. Frequent.  
In the Ojawa plant the fruit is "smooth  
and shining," but other Illinois specimens have  
a rough-beaked fruit. It is, however, easily dis-  
tinguished from the last species by the "globose,  
densely flowered spikes, the perigynia spreading  
and reflexed."
- lupulina*, Muhl. Common along streams and about ponds.

<i>lupuliformis</i> , Sartwell.		
With the last. Peoria county, Brendel; Winnebago, Bebb; Chicago, Babcock.		
<i>squarrosa</i> , L.	C. & S.	
Low grounds, from Henderson and Peoria counties southward.	Common.	
<i>stenolepis</i> , Torr.	C. & S.	
Wet places, from Menard county southward.		
<i>retrorsa</i> , Schw.		
McHenry and Winnebago counties, Vasey, Bebb; also in Wabash, Schneck. Probably rare, except at the north.		
<i>gigantea</i> , Rudge.	S.	
Wabash county, Schneck.		
<i>utriculata</i> , Boott.		
Swamps.	Frequent.	
<i>monile</i> , Tuckerman.		
Swamps.	Infrequent.	
<i>Tuckermani</i> , Boott.	N.	
Wet places, from Hancock county northward.		
<i>bullata</i> , Schk.		
Hancock county, Mead.		
<i>longirostris</i> , Torr.	N.	
Rich woods, from Hancock county (Mead) northward.	Scarce.	
<b>GRAMINEÆ.</b>		
<b>LEERSIA</b>		
<i>Virginica</i> , Willd.		
Damp woods.	Common.	
<i>oryzoides</i> , Swartz.		
Margins of streams and ponds.	Common.	
<i>lenticularis</i> , Michx.	C. & S.	
River banks, from Peoria and Henderson counties southward.		
<b>ZIZANIA</b>		
<i>aquatica</i> , L.		
Margins of ponds and sloughs.	Common.	
<b>ALOPECURUS</b>		
<i>pratensis</i> , L.		
Peoria county, Brendel.		
<i>geniculatus</i> , L.		
Wet meadows. Common near Oquawka, Henderson county; Marion, Bebb.		
<b>PHLEUM</b>		
<i>pratense</i> , L.		
Fields, and escaped to roadsides.	Common.	
<b>VILFA</b>		
<i>aspera</i> , Beauv.		
Dry hills and barrens.	Common.	
<i>vaginæflora</i> , Torr.		
With the last.	Common.	
<i>Virginica</i> , Beauv.		
Fulton county, Wolf. (Determined by Prof. A. Wood.)		
<b>SPOROBOLUS</b>		
<i>heterolepis</i> , Gray.		
Dry prairies and barrens.	Frequent.	
<i>cryptandrus</i> , Gray.	N.	
Sandy river banks and barrens. Common along the Mississippi at Oquawka; near Chicago, Babcock. Root perennial.		
<b>AGROSTIS</b>		
<i>perennans</i> , Tuckerm.		
Damp woods.	Infrequent.	
<i>scabra</i> , Willd.		
Prairies and barrens.	Common.	
<i>vulgaris</i> , With.		
Damp meadows.	Common.	
<i>alba</i> , L.		
With the last.	Scarce.	
<b>CINNA</b>		
<i>arundinacea</i> , L.		
Damp woods.	Common.	
<i>var. pendula</i> , Gray.	N.	
Kankakee county, Hill; Elgin, Kane co., Vasey.		
<b>MUHLENBERGIA</b>		
<i>sobolifera</i> , Trin.		
Open rocky woods.	Infrequent.	
<i>glomerata</i> , Trin.	C. & N.	
Bogs, from Menard county northward.		
<i>Mexicana</i> , Trin.		
Low grounds.	Common.	
<i>sylvatica</i> , T. & G.		
Woods.	Frequent.	
<i>Willdenovii</i> , Trin.		
Rocky woods.	Common.	
<i>diffusa</i> , Schreber.		
Open woods.	Frequent.	
<b>BRACHYELYTRUM</b>		
<i>aristatum</i> , Beauv.		
Shaded rocky hillsides.	Frequent.	

## CALAMAGROSTIS

*Canadensis*, Beauv.

Wet prairies and swamps. Common.

*longifolia*, Hook. C. & N.

Sandy barrens. Mason county, Hall; along the Mississippi above Oquawka; lake shore at Chicago, Babcock. Scarce.

*arenaria*, Roth. N-E.

Lake shore at Chicago, Babcock.

## ORYZOPSIS

*melanocarpa*, Muhl.

Rocky woods. Peoria county, Brendel.

## STIPA

*spartea*, Trin. C. & N.

Prairies and barrens, from Menard county northward. Common.

## ARISTIDA

*ramosissima*, Engelm. S.Dry prairies. St. Clair county, Brendel; Wabash, Schneck; Marion, (the var. *UNIARISTATA*) Vasey.*dichotoma*, Michx. C. & S.

Barrens. Hancock county, Mead; Fulton, Wolf; and southward.

*gracilis*, Ell. C. & S.

Barrens, from Hancock county southward.

*stricta*, Michx. C. & S.

Mason county, Mead.

*oligantha*, Michx. C. & S.

Barrens, from Henderson county southward.

*purpurascens*, Poir. C. & S.

Fulton county, Wolf; Menard, Hall; and southward.

*tuberculosa*, Nutt.

Sandy prairies and barrens. Near Chicago, Babcock; and from Henderson county southward.

## SPARTINA

*cynosuroides*, Willd. Common.

River bottoms.

## BOUPELOUA

*oligostachya*, Torr. N.

Sandy prairies. Dixon, Lee county, Vasey.

*hirsuta*, Lagasca. W.

Sandy prairies and barrens. From Lee county to Mason and Cass, and westward. Frequent.

*curtipendula*, Gray. Frequent.

Prairies and barrens.

var. *aristosa*, Gray.

With the typical form.

## DACTYLOCTENIUM

*Aegyptiacum*, Willd.

Illinois—Gray's Manual.

## ELEUSINE

*Indica*, Gærtn. C. & S.

Gardens, &amp;c., from Henderson and Peoria counties southward.

## LEPTOCHLOA

*mucronata*, Kunth. S.

Mound City, Pulaski county, Vasey.

*fascicularis*, Gray. C. & S.

Low grounds. Menard county, Hall; and southward.

## TRICUSPIS

*seslerioides*, Torr. C. & S.

Barrens, from Henderson and Peoria counties southward.

*purpurea*, Gray.Sandy prairies and barrens, with *BOUPELOUA HIRSUTA* and *PANICUM AUTUMNALE*, from Henderson to Fulton (Wolf) and Mason (Mead) counties.

## DIARRHENA

*Americana*, Beauv. C. & S.

Rich woods, from Peoria county southward.

## DACTYLIS

*glomerata*, L.

Fields and yards. Frequent.

## KÆLERIA

*cristata*, Pers.

Prairies and barrens. Washington co., French, and common northward.

## EATONIA

*obtusata*, Gray.

In dry soil. Frequent.

*Pennsylvanica*, Gray.

Moist woods and meadows. Frequent.

## MELICA

*mutica*, Walt.

Prairies and borders of woods. Frequent.

## GLYCERIA

*Canadensis*, Trin. N.

Bogs. Kane and McHenry counties, Vasey.

*nervata*, Trin.

Low grounds. Common.

*fluitans*, R. Br.  
Margins of ponds. Common.

POA  
*annua*, L.  
Roadsides and waste places. Frequent.

*compressa*, L.  
Roadsides, woods, &c., in dry soil. Frequent.

*serotina*, Ehrhart.  
Low grounds. Frequent.

*pratensis*, L.  
Common everywhere.

*sylvestris*, Gray.  
Woods and meadows. Infrequent.

*alsodes*, Gray.  
Woody hillsides. Hancock county, Mead.

ERAGROSTIS  
*reptans*, Nees.  
Margins of streams and ponds, close to the water.

*poæoides*, Beauv.  
Sandy roadsides, river banks, &c.

*var. megastachya*, Gray.  
With the last and more common.

*pilosa*, Beauv.  
Sandy waste places, river banks, &c. Common.

*Frankii*, Meyer.  
River banks, throughout. Frequent.

*tenuis*, Gray. C. & S.  
Sandy barrens, from Henderson co. to Menard; Wabash, Schneck. Scarcely.

*capillaris*, Nees.  
Sandy barrens. Frequent.

*pectinacea*, Gray.  
And var. *SPECTABILIS*, Gray. Common in sandy barrens.

FESTUCA  
*tenella*, Willd.  
Common in dry grounds.

*elatior*, L.  
Meadows. Scarcely.

*nutans*, Willd.  
Open woods and prairies. Common.

BROMUS  
*secalinus*, L.  
Fields. Common.

*racemosus*, L.  
Fields. Scarcely.

*Kalmii*, Gray. C. & N.  
Prairies, from Fulton county northward.

*ciliatus*, L.  
Woody hillsides. Common.

UNIOLA  
*latifolia*, Michx. S.  
Rich woods on hillsides. Marion county, Bebb; and southward.

PHRAGMITES  
*communis*, Trin.  
River bottoms and swamps. Common.

ARUNDINARIA  
*macrosperma*, Michx. S.  
Jackson and Union counties, French.

*tecta*, Muhl. S.  
River banks. Wabash county, Schneck; Union; Wolf; and southward.

LEPTURUS  
*paniculatus*, Nutt. W.  
Open grounds and salt licks in Hancock county. Mead.

TRITICUM  
*repens*, L.  
Reported only from the northern counties, where it is common.

*caninum*, L. N.  
McHenry county, Vasey.

HORDEUM  
*jubatum*, L.  
Sandy prairies. Infrequent.

*pratense*, Huds. C. & S.  
Prairies. From Peoria and Henderson counties southward.

ELYMUS  
*Virginicus*, L.  
River banks. Common.

*Canadensis*, L.  
And var. *GLAUCIFOLIUS*, Gray. Common.

*striatus*, Willd.  
Borders of woods. Infrequent.

GYMNOSTICHUM  
*Hystrix*, Schreb.  
Rich woods. Frequent.

- DANTHONIA  
*spicata*, Beauv. Infrequent.  
 Dry grounds.
- TRISETUM  
*palustre*, Torr. Illinois—Gray's Manual.
- HOLCUS  
*lanatus*, L. Moist meadows. Adams county, Mead.
- HIEROCHLOA  
*borealis*, R. & S. N. Wet prairies. Grundy county, Brendel; and northward.
- PHALARIS  
*arundinacea*, L. Frequent.  
 Wet places.
- MILIUM  
*effusum*, L. N. Elgin, Kane county, Vasey.
- PASPALUM  
*fluitans*, Kunth. S. Swamps. St. Clair county, Brendel; and southward.  
*Walterianum*, Schultes. S. St. Clair county, Brendel.  
*setaceum*, Michx. C. & S. Sandy barrens. Kankakee county, Hill; and southward.  
*læve*, Michx. S. Damp grounds. Marion county, Bebb; and southward.
- PANICUM  
*filiforme*, L. C. & S. Sandy barrens, from Henderson county southward.  
*glabrum*, Gaudin. Common. Waste places.  
*sanguinale*, L. Common in cultivated grounds.  
*anceps*, Michx. C. & S. Low grounds. Peoria county, Brendel; and southward.  
*agrostoides*, Spreng. C. & S. Wet places, from Hancock county southward.  
*proliferum*, Lam. C. & S. River banks, damp fields, &c., from Henderson county southward.
- capillare*, L. Common in dry soil.
- autumnale*, Bosc. Sandy prairies and barrens. Lee county, Vasey; Kankakee, Hill; rather common from Henderson and Peoria to Menard; and probably southward. Root perennial!
- virgatum*, L. Common. Low grounds.
- latifolium*, L. Frequent. Rich woods.
- clandestinum*, L. Frequent. Moist woods and open damp places.
- microcarpon*, Muhl. S. Woods. Marion county, Bebb; and southward.
- pauciflorum*, Ell. ? Common. Prairies.
- dichotomum*, L. Common. Dry or damp prairies and woods.
- depauperatum*, Muhl. Common. Dry prairies and barrens.
- Crus-galli*, L. Common. And var. *HISPIDUM*. Damp grounds.
- SETARIA  
*verticillata*, Beauv. Infrequent. Cultivated grounds.
- glauca*, Beauv. Common in gardens and fields.
- viridis*, Beauv. Frequent. Cultivated grounds.
- CENCHRUS  
*tribuloides*, L. Sandy river banks. Too common in many localities.
- TRIPSACUM  
*dactyloides*, L. C. & S. Low grounds. Along Spoon River in Fulton county, Mead; and southward.
- ERIANTHUS  
*alopecuroides*, Ell. S. Illinois—Gray's Manual.
- ANDROPOGON  
*furcatus*, Muhl. Common. Prairies and barrens.
- scoparius*, Michx. Common. Dry prairies and barrens.

*Virginicus*, L. S.  
St. Clair county, Brendel; and southward.

SORGHUM

*nutans*, Gray.  
Common in dry grounds.

EQUISETACEÆ.

EQUISETUM

*arvense*, L. Common.  
Damp places.

*palustre*, L. N.  
Wet places. Peoria county, Wolf, Brendel.

*limosum*, L.  
In shallow water. Cass county, Mead; Peoria, Brendel; McHenry, Vasey. Scarce.

*lævigatum*, Braun. C. & S.  
In dry or moist clay and sand, from Henderson and Peoria counties southward.

*robustum*, Braun. C. & S.  
River banks, from Peoria county southward.

*hyemale*, L. Frequent.  
Wet banks.

*variegatum*, Schleicher. N.  
Peoria county, Brendel.

*scirpoides*, Michx. N.  
Ringwood, McHenry county, Vasey.

FILICES.

POLYPODIUM

*vulgare*, L.  
Sandstone cliffs of Og'e county, Bebb; common in Jackson and Union, French, Forbes.

*incanum*, Swartz. S.  
On trees and rocks. Jackson county, French; Wabash, Schneck; and southward.

ADIANTUM

*pedatum*, L. Common.  
Rich woods.

PTERIS

*aquilina*, L. Common.  
Copses.

CHEILANTHES

*vestita*, Swartz. S.  
Rocks. St. Clair county, Brendel; and southward.

*lanuginosa*, Nutt. W.  
Clefts of rocks. Near Galena, Brendel; Pike county, Mead; Jackson, French.

PELLÆA

*gracilis*, Hook.  
In rocky ravines near the Kankakee river (rare) in Kankakee county, Hill.

*atropurpurea*, Link. Infrequent.  
On dry rocks.

ASPLENIUM

*pinnatifidum*, Nutt.  
On rocks. Jackson and Union counties, French; Pope, Schneck.

*Trichomanes*, L. S?  
On shaded rocks. Jackson and Union counties, French; Wabash, Schneck.

*ebeneum*, Ait. Scarce.  
Open rocky woods.

*angustifolium*, Michx. Scarce.  
Rich woods.

*thelypteroides*, Michx. Rare.  
Rich woods. Peoria and Fulton counties, Brendel, Wolf; Wabash, Schneck.

*Filix-fœmina*, Bernh. Frequent.  
Rich woods.

CAMPTOSORUS

*rhizophyllum*, Link. Scarce.  
Shaded rocks, throughout, but

PHEGOPTERIS

*polypodioides*, Fee.  
Damp woods. Menard county, Hall.

*hexagonoptera*, Fee. Frequent.  
Rich woods.

ASPIDIUM

*Thelypteris*, Swartz. Frequent.  
Swamps.

*Noveboracense*, Swartz. Scarce.  
Swamps. Elgin, Kane county, Vasey; Kankakee, Hill; Wabash, Schneck.

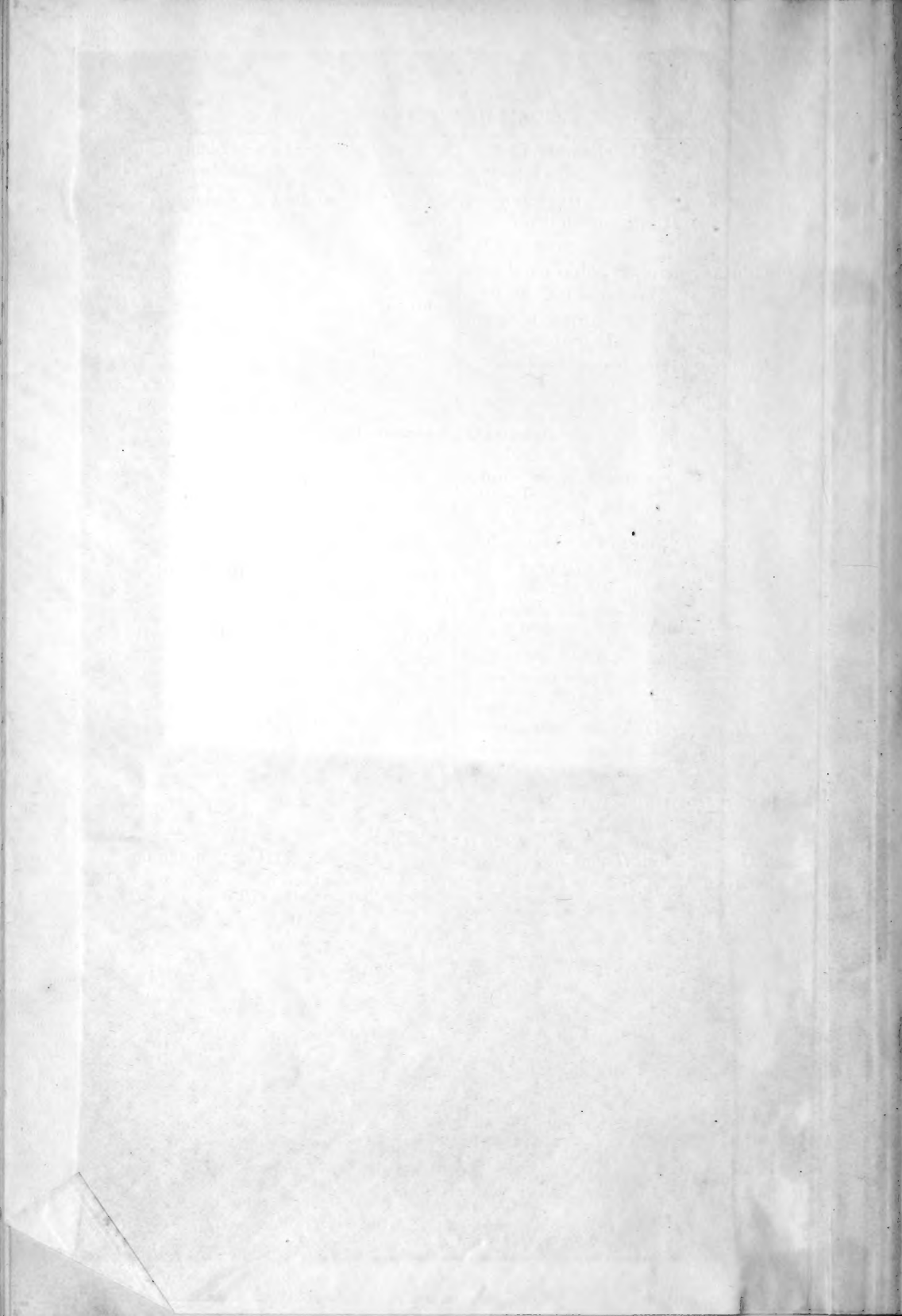
*spinulosum*, Swartz, var. *intermedium*, Eaton. Infrequent.  
Woods.

*Goldianum*, Hook. Rich woods. Peoria and Fulton counties, Brendel, Wolf; Makanda, Jackson county, Forbes.

<i>marginale</i> , Swartz.		<i>Claytoniana</i> , L.	
Shaded rocky hillsides.	Scarce.	Moist ravines.	Common.
<i>acrostichoides</i> , Swartz.		<b>BOTRYCHIUM</b>	
Moist, shady hillsides.	Infrequent.	<i>Virginicum</i> , Swartz.	
<b>CYSTOPTERIS</b>		Rich woods.	Frequent.
<i>bulbifera</i> , Bernh.		<i>lunarioides</i> , Swartz, var. <i>obliquum</i> .	
Shaded rocks.	Frequent.	Woods. S. Ill., Vasey, Schneck.	
<i>fragilis</i> , Bernh.		<b>OPHIOGLOSSUM</b>	
Rich woods on hillsides.	Common.	<i>vulgatum</i> , L.	
<b>STRUTHIOPTERIS</b>		Wabash county, (a single plant), Schneck.	
<i>Germanica</i> , Willd.		<b>LYCOPODIACEÆ.</b>	
Damp woods.	Infrequent.	<b>LYCOPODIUM</b>	
<b>ONOCLEA</b>		<i>lucidulum</i> , Michx.	N.
<i>sensibilis</i> , L.		Damp woods. Evanston, Cook county, Vasey ; Ogle, Bebb.	
Wet places.	Common.	<i>Selago</i> , L.	N.
<b>WOODSIA</b>		"Collected by J. W. Powell near Ottawa"—Vasey.	
<i>obtusa</i> , Torr.	S. ?	<b>SELAGINELLA</b>	
Rocks. Marion co., Bebb ; Wabash, Schneck ; and southward.		<i>rupestris</i> , Spring.	
<i>Ilvensis</i> , R. Br.	N.	Dry rocks and barrens. Henderson county ; Ogle, Bebb.	Rare, or overlooked.
Occurs sparingly on sandstone cliffs near Oregon, Ogle county, Bebb.		<i>apus</i> , Spring.	
<b>DICKSONIA</b>		Low, shady places.	Scarce.
<i>punctilobula</i> , Kunze.		<b>ISOETES</b>	
Wabash county, Schneck.		<i>melanopoda</i> , J. Gay.	C. & N.
<b>OSMUNDA</b>		Wet prairies and ponds. Menard county, Hall ; Fulton, Wolf ; McHenry, Vasey.	
<i>regalis</i> , L.		<b>HYDROPTERIDES.</b>	
Wet woods.	Infrequent.	<b>AZOLLA</b>	
<i>cinnamomea</i> , L.		<i>Caroliniana</i> , Willd.	C. & S.
Damp woods. Common near Chicago, Babcock ; Kankakee county, Hill ; Menard, Hall.		Ponds, from Henderson and Peoria counties southward.	Scarce.







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