

Johnson County

Trip to River Junction, May 9, 1902.

On the alluvial bottomlands I noted the following plants:

- Acer Negundo*
- " *saccharinum*
- Arisaema diacostium*
- Androsace occidentalis* (sand)
- Asarum reflexum*
- Amsipha fullcomi*
- Achillea millefolium* (sand)
- Agriliga canadensis*
- Belida nigra*
- Callis occidentalis*
- Crotagus mollis*
- Carya ovata*
- " *cordiformis*
- Caprilla furca-pastoris*
- Claytonia virginica*
- Chactophyllum procumbens*
- Cardamine ~~Dick~~glaucis*
- Cornus*
- Clematis Pitcheri*
- Carex*
- "
- "
- Cystopteris fragilis*
- Ellisia Hystelea*
- Erythronium albidum*
- Erigeron philadelphicus*
- Fragaria virginiana*
- Geranium maculatum*
- " *Robertianum*
- Gleditsia triecanthos*
- Gallium aparine*
- Houstonia missouri* (sand)
- Isopiquum biternatum*
- Juglans nigra*
- Juncus tenuis*
- Menispermum canadense*
- Mosses*
- Lepidium apetalum* (sand)
- Populus deltoides*
- Pyrus ioensis*

- Ruedera quinquefolia*
- Poa pratensis*
- Rhox divaricata*
- Podophyllum peltatum*
- Plantanus occidentalis*
- Prunus americana*
- " *serotina*
- " *virginiana*
- Potentilla canadensis*
- Polomonium reptans*
- Onoclea sensibilis*
- Quercus macrocarpa*
- " *imbricaria*
- " *fulvicornis*
- " *rubra*
- " *velutina*
- " *bicolor*
- Rhus Toxicodendron*
- " *glabra*
- Rumex*
- Ranunculus abortivus*
- " *septentrionalis*
- Ribes gracile*
- Robinia pseudoacacia*
- Radiola palustris*?
- Salix amygdaloides*
- " *longifolia*
- " *nigra*
- Smilax herbacea*
- Sambucus canadensis*
- Specularia perfoliata*
- Taraxacum*
- Trillium recurvatum*
- Tilia americana*
- Triostema perfoliatum*
- Ulmus americana*
- Vitis vulpina*
- Viola cucullata*
- Viola pubescens*
- Veronica peregrina*
- Zanthoxylum americanum*

Saw a Turkey Buzzard.

(over)

I took the following photographs:

5, 6 - Quercus palustris (Washington Co.)

9 - Crataegus mollis.

10 - Quercus palustris.

11, 12 - Large Blue Oak, bark not rough.

The other large tree is a hickory.

19 - Ulmus americana with Rhus

radicans.

Johnson County

Turkey creek region

1902

Along the bluff

Aquilegia canadensis
Arabis laevigata
 " *perfoliata*
Acer saccharum
Amorpha canescens (more open)
Amalanchier canadensis
Aralia nudicaulis
Achillea millefolium (more open)
Asarum acuminatum
Allium tricocum
Clematis Pitcheri (more open)
Cornus circinata
 "
Carex
Comandra umbellata (more open)
Carpinus caroliniana
Dicentra cucullaria
Ellycia Nyctalis (more open)
Fragaria americana
Fragaria vesca var.
Gaura biennis (more open)
Hedeoma pulegioides (more open)
 " *wisniden* (more open)
Hepatica acutiloba
Juniperus virginiana
Juncus
Dodocatheon Media (more open)
Capsella Bursa-pastoris
Lonicera Bullivantii
Lithospermum canescens (more open)
Mertensia virginica
Mitella diphylla
Menispermum canadense
Lepidium apetalum (more open)

Oxalis stricta (more open)
 " *violacea* (")
Prunus virginiana
Panax quinquefolia
Phlox pilosa (more open)
Polemonium reptans
Diseris Muhlbergii
Ranunculus abortivus
 " *fascicularis* (more open)
Rhamnus lanceolata
Rhus glabra (more open)
 " *toxicodendron* (more open)
Ribes cynosbati
Ruellia ciliosa (more open)
~~*Sanguinaria canadensis*~~
Sisymbrium canescens (more open)
Staphylea trifolia (more open)
Sanicula
Specularia perfoliata (more open)
Scutellaria parvula (more open)
Sisyrinchium compestre (more open)
Taxodium integerrima (more open)
Tradescantia (")
Trillium nivale
Ulmus fulva
Viola cucullata ~~more~~
Vitis riparia
Viburnum dentatum
Zanthoxylum americanum

Deep woods farther back

Anemone quinquefolia
Anemone thalictroides
Agrimonia stricta
Celastrus scandens
Carya ovata
 " *cordiformis*
Corylus americana
Ostrya virginiana
Podophyllum peltatum

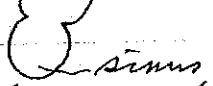
Pedicularis quinquefolia
Pedicularis canadensis
Surreus alba
 " *rubra*
Ranunculus repens?
Viola

Iowa City,

May 11, 1917.

Dr. Wm. Zulusse talked before Botany Club, etc.
We went to City Park to look at Oaks.

He says the oak at Reichardt's old stand (on flat)
is almost certainly Q. Schneekii, - my identification.

Q. Schneekii has lobes $\frac{2}{3}$ of ellipse, the sinus
like this  sinus, while that of Q. rubra
is U-shaped, not ellipse "unless devil got his
tongue on it."

He thinks Ashe's reference of Q. rubra to
Marshall's Q. maxima is probably correct.
Linne's Q. rubra is probably Q. falcata.
He is sure our Q. "borealis" (as determined by
Engelmann) is all Q. ellipsoidalis.

Q. Schneekii has been confounded with
Q. Texana. Is Q. Schneekii really Q. Shumardi?

Trip to Kalona, Nov. 3rd Sun, 1902.

On this trip I noted the following species in the upland groves of the southern part of Johnson: (marked overland)

Carya ovata, com.
" *cordiformis*
Corylus americana, com.
Crataegus
Cornus paniculata
Pyrus ioensis
Prunus americana
Populus tremuloides

Quercus velutina, com.
" *alba*, com.
" *macrocarpa*, com.
" *rubra*
Rubus allegheniensis
Ribes gracile
Rhus glabra
Ulmus americana, com.

A Red Oak stump showed 51 rings. The diameter of the wood was $10\frac{1}{2}$ inches.

Johnson 90.

Left Iowa City via Interurban. July 26, 1919.

It is very hot (101°) and dry with southwest wind. Everything is beginning to look parched, corn leaves are rolled up, and in places the lower ones are burned.

The following plants had a tendency to fold their leaves and droop:

1. *Asclepias syriaca*
2. *Helianthus grosseserratus*
3. *Rhus glabra*
4. *Spocynum cannabinum*
5. *Cirsium discolor*
6. *Erigeron canadensis*

Those on 1, 5 & 6 fold longitudinally & turn upward.
Rhus glabra leaflets turn down.

Poa pratensis is dry and yellow. Much of *Trifolium pratense* is dead and dark brown.

Ambrosia trifida and *Cannabis sativa* wilted, also *Monarda mollis*.

Cassia chamaecrista and *Lepedeza capitata* leaflets fold upward.

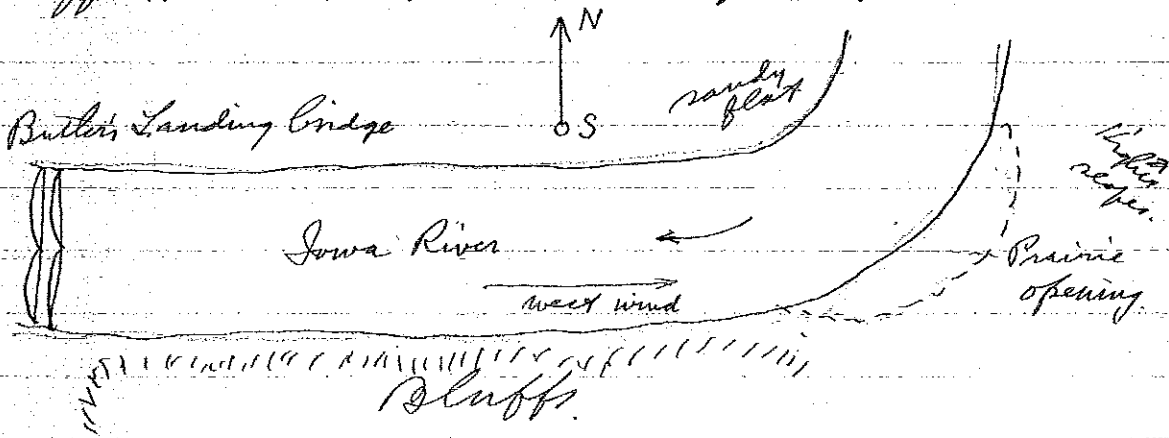
Attended Art. Soukup's funeral at Cedar Rapids.

Left at 4:50 P.M. for Postville and McGregor.

Linder's Boathouse, N. of Iowa City - Oct. 23, 1920

Took Ecology class to low bluffs just above Linder's Boathouse.

There is a prairie opening above the low bluffs situated as shown in plat:



The soil on the prairie slope is quite sandy.

On the prairie opening I found:

Antennaria neglecta
Plantaginifolia
Achillea millefolium
Aster laevis
Amorpha canescens
Agrostis alba v. *vulgaris*
Erigeron canadensis
ramosus
Hedeoma pteridifolium

Helianthemum majus
Lepedeza capitata
Panicum Scribnerianum
Potentilla canadensis
Pyrenanthemum flexuosum
Solidago nemoralis
Verbena hastata

Along R.R. south of Aviation Field (prairie) - July 10, 1931

I found the following in flower:

- | | |
|---|---|
| <p><i>Achillea millefolium</i>, Com. ^{most conspicuous} but fading</p> <p><i>Asclepias syriaca</i>, Bew.</p> <p><i>Branneia pallida</i>, not rare, rather old.</p> <p><i>Ceanothus americanus</i>, fl. rev. clump.</p> <p><i>Cassia chamaecrista</i>, few in fl.</p> <p><i>Erigeron ramosus</i>, fl., rather old</p> <p><i>Euphorbia corollata</i>, few fl., buds, scat.</p> <p><i>Eryogonum yuccifolium</i>, fl., buds.</p> <p><i>Lepachys pinnata</i>, few in fl., coming.</p> | <p><i>Petalostemum purpureum</i>, fl., few, coming</p> <p><i>Petalostemum candidum</i>, fl., scat.</p> <p><i>Parthenium integrifolium</i>, fl., few.</p> <p><i>Poa pratensis</i>, much, dead in patches</p> <p><i>Rudbeckia hirta</i>, fl., small patch, 1 scat.</p> <p><i>Stipa spartea</i>, old fl. com, scat. ^{dominant in patches}</p> <p><i>Scrophularia leprieurii</i>, fl., fl., com. in patches.</p> |
|---|---|

Artemisia ludoviciana is conspicuous in large patches, but it is not in flower.

Grasses appear dominant over large patches, but many other plants are scattered through them.

The *Stipa spartea* gives appearance of being dominant (dead) but there are many other plants with it.

Among the grasses I noted following plants:

Plants just coming, not in flower:

- Asclepias verticillata*, buds.
- Bater multiflorus*, fl.
- Artemisia ludoviciana*, fl.
- Desmodium illinoense*, fl.
- Euphorbia corollata*
- Elymus canadensis*
- Helianthus scaberrimus*, fl.
- Rubus eupatorioides*, var. fl.
- Helianthus occidentalis*
- Lespedeza capitata*
- Lepachys pinnata*, few seen
- Petalostemum purpureum*
- " *candidum* (further along)
- Potentilla arguta*, fl.
- Silene atillata*, buds.
- Solidago canadensis*, fl. ^{mostly}

Plants old, - going.

- Achillea millefolium*
- Amorpha canescens*, past fl.
- Antennaria plantaginifolia*
- Branneia pallida*
- Comandra umbellata*
- Carex festucacea*, fr.
- Erigeron ramosus*
- Hemlockia hispida*, old fr.
- Helianthemum virginicum*
- Lepidium apetalum*
- Rosa pratincola*
- Salix humilis*, fl.
- Tradescantia reflexa*. (small)
- Zizia aurea*.

Just now *Stipa spartea* looks dominant, but the above plants will soon reverse this, (over)

There is little color now, Achillea (rather old) and Ceanothus furnishing most of it.

Yellows appear only in spots, scattered, not many opened.

The whole is altogether drab!

Same area, July 22, 1931

About the only color is that of Lepachys pinnata.
Also a patch of Veronica virginica in flower.

The remainder is quite green.

Elymus canadensis is quite conspicuous in fl.

Near the river, in sand, Oenothera rhombipetala is conspicuous in flower.

Same area, Aug. 2, 1931, Sun.

There is a little color, some Monarda, some Cassia chamaecrista, and Euphorbia corollata in flower in patches.

Also some Oenothera rhombipetala. Silphium integrifolium is coming in. Few Lepachys pinnata in fl.

On the whole the prairie is green, except for Artemisia ludoviciana.

We drove to Cr. & P. prairie S. of Iowa City. Lepachys pinnata and Monarda are most conspicuous in flower, and Euphorbia corollata also shows up. Of the grasses, Elymus canadensis is most conspicuous in fl.

The flowerless gap was evidently accentuated by the hot, dry weather. It rained well this morning and last night.

Sandy prairie along RR, S. of Aviation Field, Aug. 26, 1931

The prairie is still rather dull, *Euphorbia corollata* being about the only conspicuous plant.

A few *Silphium integrifolium* and *Helianthus rigidus* show flowers, the former about the last and the latter just beginning, but neither very conspicuous.

The prairie is rather desolate on account of drought, and there are a good many ^{dead} grasses, - seemingly mostly *Poa pratensis* and *Elymus canadensis*. It has been very dry.

A few *Solidago rigida* are just coming on, - large buds and a few flowers. *Cassia chamaecrista* is still in flower, but not very conspicuous.

Asclepias verticillata is in flower, and fairly conspicuous in places.

A few *Oenothera rhombipetala* in flower, ^{but} not conspicuous. Northeastward the *Asteriscia ludoviciana* (in leaf) is quite conspicuous.

Johnson Co.

We drove to the hanging bog in the S. E. part of Wiehl's farm, - in Penn Twp., - just west of # 161. Sept. 26, 1931

In the bog I collected the following:

Aster novae-angliae, fl. ^{sev.}	Helianthus grosseserratus, fl. sev.
" " " " " "	Labelia raphanistrum, fl. (few)
Aspidium thelypteris, fr. ^{com.}	Muhlenbergia fr. com.
Bidens fr. (fungi)	Onclea sensibilis, fr. very com.
Chilone glabra, fr. few fl. com.	Polygonum sagittifolium, fr. com.
Cyperus fr. sev. (no spec.)	Pycnanthemum fr. sev.
Eupatorium profoliatum, fr. ^{com.}	Solidago serotina, fr. (no spec.) sev.
" purpureum, fr. (no spec.)	Sisyrinchium, fr. (no spec.) "
Centiana crinita, fl. com.	Verbena hastata, fr. sev.

On the sandy slope nearby I noted:

Acalypha virginica - fr.	
Aristida	fr.
Agropyron	fr.
Lycopodium	fr.

To Elmira, Sep. 27, 1931

We (Marjorie, Miss Carrough and I) drove to Elmira in search of *Solidago serotina*.

We stopped S. of Elmira where the N. & A. road intersects the old abandoned branch line of RR.

There is here a patch of rather low (not wet) prairie, on which the vegetation is very rank.

<i>Achillea millefolium</i> , lf. sev.	<i>Leptochloa pinnata</i> , fr., scat.
<i>Agrostis alba</i> , old fr. sev.	<i>Lactuca canadensis</i> , old. scat.
<i>Ambrosia artemisiifolia</i> , fr. com.	" <i>scariola</i> , old. (RR.)
<i>Amorpha trifida</i> , fr. few.	<i>Lespedeza capitata</i> , fr. com.
<i>Amorpha canescens</i> , lf. sev.	<i>Monarda mollis</i> , fr. sev.
<i>Anaphalis Patcheri</i> , lf. com.	<i>Muhlenbergia racemosa</i> , fr. sev.
<i>Andropogon furcatus</i> , fr. com.	<i>Oxalis corniculata</i> , lf. sev.
" <i>scoparius</i> , fr. few.	<i>Parthenium Scribnerianum</i> , lf. sev.
<i>Anemone canadensis</i> , lf. few.	" <i>virgatum</i> , fr. clump, small patch.
<i>Apocynum tuberosa</i> , lf. sev.	<i>Parthenium integrifolium</i> fr., sev.
<i>Apocynum cannabinum</i> , fr. sev.	<i>Partinaca nativa</i> , old. (RR.)
<i>Aristida</i> fr. (RR.) com.	<i>Phleum pratense</i> , fr. (RR.)
<i>Aster multiflorus</i> , fl. com.	<i>Physalis pruinosa</i> , lf. few.
" <i>novae-angliae</i> , fl. sev.	<i>Polygonum pennsylvanicum</i> , fr. (RR.)
" <i>paniculatus</i> ? fl. sev.	<i>Polygala sanguinea</i> , fl. sev.
" <i>sagittifolius</i> ? fl.	<i>Potentilla canadensis</i> , lf. few.
<i>Brunneria pallida</i> , old fr.	" <i>monspeliensis</i> , fr., few.
<i>Cassia chamaecrista</i> , fl. (RR.)	<i>Pycnanthemum flexuosum</i> , fr. not rare.
<i>Ceanothus americanus</i> , fr. com.	<i>Rhus glabra</i> , lf. sev.
<i>Cirsium discolor</i> , fr. sev.	<i>Rosa pratincola</i> , fr.
<i>Comandra umbellata</i> , lf. not rare.	"
<i>Coreopsis tripteris</i> , fl. frequent.	<i>Rubus allegheniensis</i> , lf.
<i>Corylus americana</i> , lf. sev.	<i>Setaria glauca</i> , fr. (RR.)
<i>Desmodium canadense</i> , lf. sev.	<i>Silene stellata</i> , old fr. sev.
<i>Elymus canadensis</i> , fr. quite com.	<i>Salphium integrifolium</i> , fr.
" <i>virginicus</i> , fr.	<i>Smilacina stellata</i> , lf.
<i>Equisetum m. intermedium</i> sev.	<i>Solidago canadensis</i> , fl., com.
<i>Erigeron canadense</i> , fr. sev.	" <i>graminifolia</i> , fr. sev.
<i>Euphorbia corollata</i> , old fr.	" <i>rigida</i> , fl. fr. sev.
<i>Bragaria virginiana</i> , lf. sev.	<i>Sorghastrum nutans</i> fr. sev.
<i>Helianthus grosseserratus</i> , fr. sev.	<i>Trifolium pratense</i> , fl. (RR.)
" <i>rigidus</i> , fr. com.	" <i>repens</i> , fl. (RR.)
fl. (fr. fr.), com.	<i>Viola cucullata</i> , fr.
	" <i>pedatifida</i> , lf.
	<i>Vitis vulpina</i> , sev.

Johnson Co.

(To Elmira, Sep. 27, 1931)

The Solidago seem to be mostly S. canadensis, very variable in hairiness and in color of stem (from green to purple).

I believe that "S. Somesii" falls within the range of variation of S. canadensis.

We drove nearer to Elmira station, and Solidagos are numerous, but the same.

In some patches this Solidago has green stems, and in others the purple is very variable in amount.

A clear, fine day after the rains of the past few days.