

N

Blackburn, Logan, Twin  
Okpooji - 1909 Adams.



8/26/19

Office, State of

M. J. Shewess

TO AMERICAN EXPRESS COMPANY, Dr..

\$ Cts.

80

40

120

Our Charges, {

Advanced Charges, {

Duties, {

Amount of C.O.D. {

Total, \$

For Transportation of } 3 Boxes  
From } *Portland*, State of } *ME*

Shipped by } *Carver*

Date of Shipment } *8/21* Weight } *37* lbs.

Received Payment for the Company,

*J. Shewess*  
(OVER)



(214. June, 1908).

*8/26* 19*09*

M *B. Shumway* Office, State of \_\_\_\_\_

To AMERICAN EXPRESS COMPANY, Dr..

	\$	Cts.
Our Charges, {		<i>80</i>
Advanced Charges, {		<i>40</i>
Duties,		
Amount of C. O. D. {		
Total, \$		<i>120</i>

For Transportation of *3 BSM*

From *San Francisco*, State of \_\_\_\_\_

Shipped by *Owner*

Date of Shipment *8/21* Weight *37* lbs.

Received Payment for the Company,

*H. A. [Signature]*  
*ayr* (OVER.)



## TRAVELERS CHEQUES

originated by this Company in 1891, are the most modern, economical, secure and satisfactory form of carrying funds for foreign or domestic tours. Payable in gold or its equivalent, without discount or commission, by 15,000 correspondents throughout the world.

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\$ 2.50 ..... 3c.	\$ 50.00 ..... 18c.
5.00 ..... 5c.	60.00 ..... 20c.
10.00 ..... 8c.	75.00 ..... 25c.
20.00 ..... 10c.	100.00 ..... 30c.
30.00 ..... 12c.	Over \$100.00
40.00 ..... 15c.	at above rates.

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Drafts drawn by this Company on all parts of the Commercial World.

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Q/K

~~0030179  
Chick Olson  
to steel  
Aug. 21, 1929  
Left at 11:00  
Knee, steel  
Aug. 21, 1929~~



The Logan Observer  
Mr. J. C. McCabe  
editor

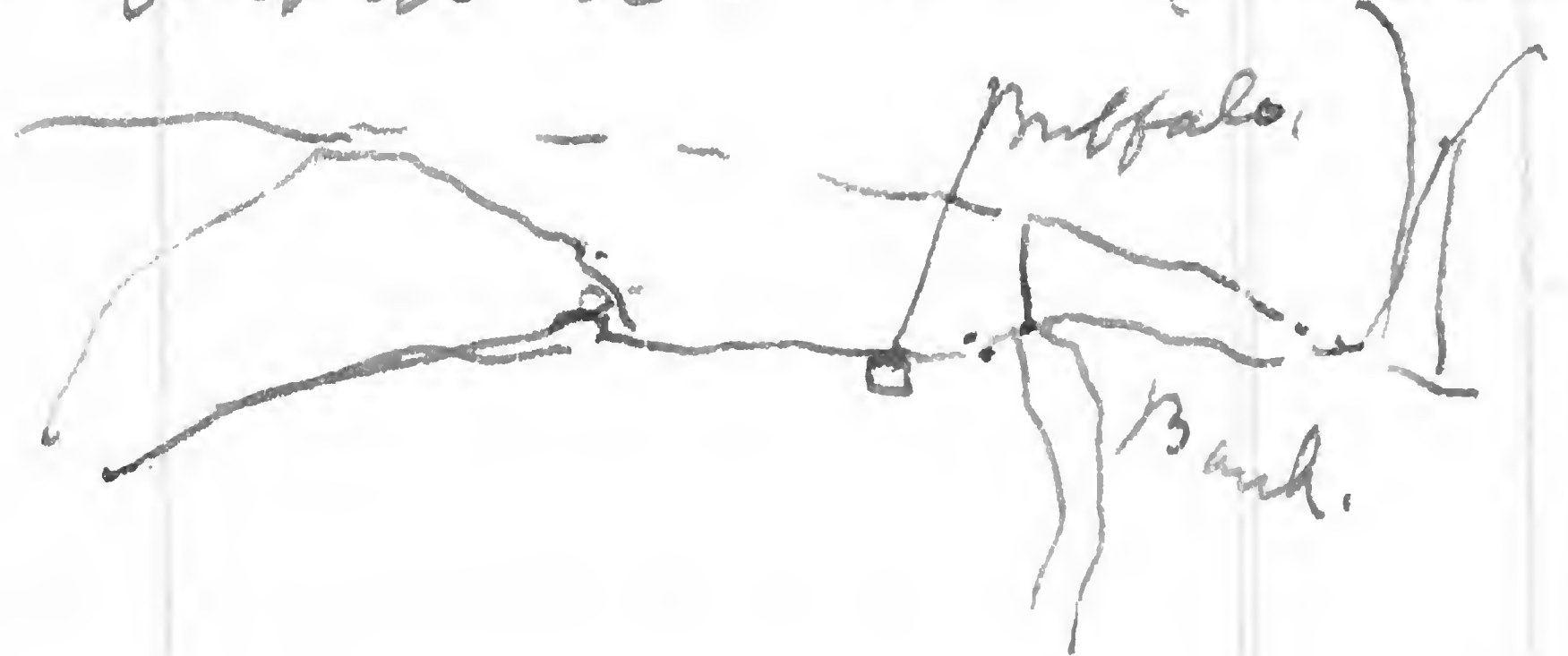
Mr. Almon Stern  
Logan, Iowa.

May 22, 1909 3

Photos 13 & 14

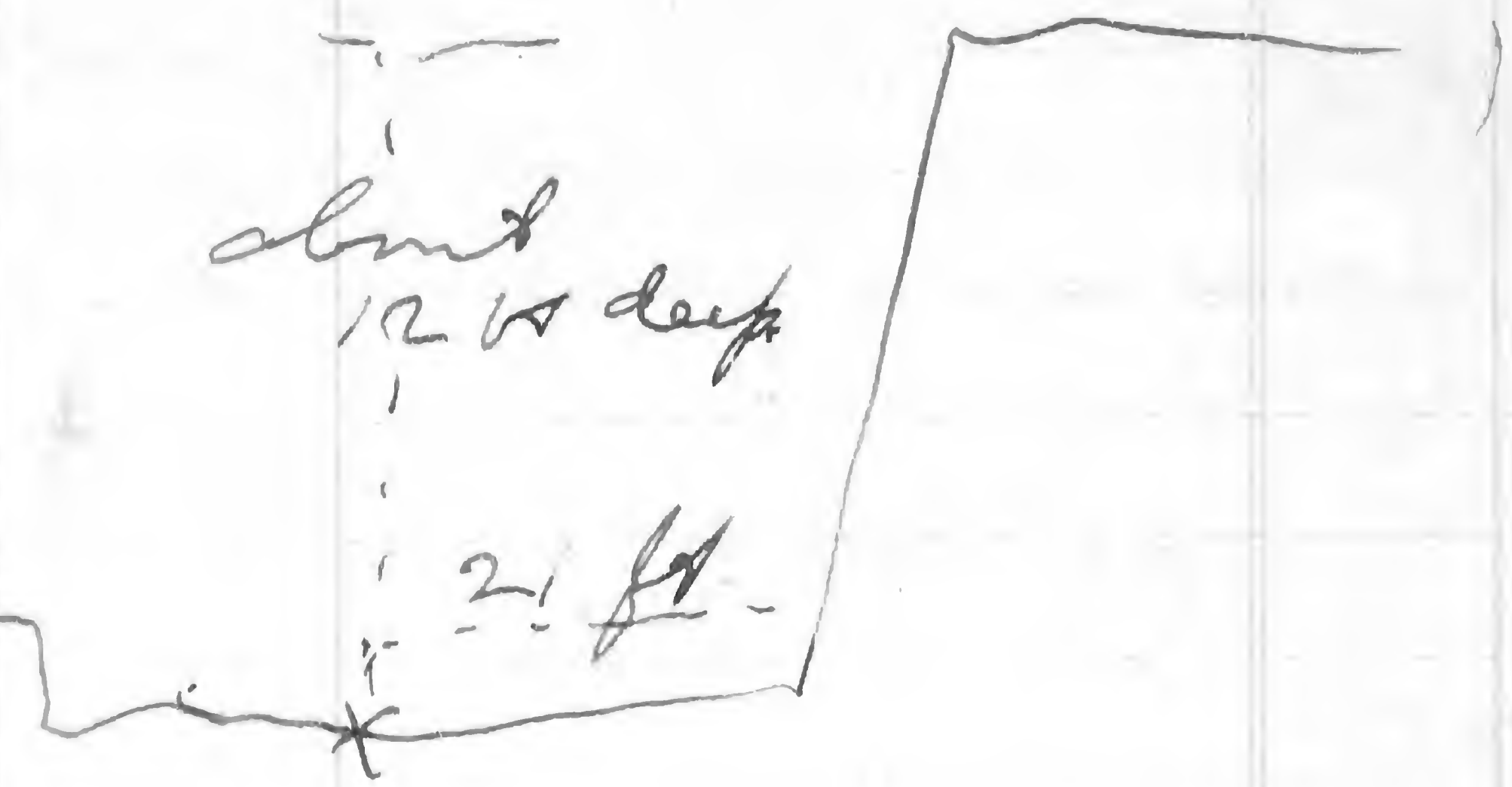


Photo a & b (near)



The material is hard on  
drying, looks lacustrine,  
but duller, no laminations  
& is a sort of gumbo (not  
extreme).  
It looks like alluvial  
overwash. Has streak





and lower (thin) of  
course sand & some  
small pebbles, below.

The skeleton was  
apparently about  
entire, but was  
damaged by scraper.

Found a *Lumina*, a  
number of *Pyramis*,  
*alteranti*, 1 *Polygona*  
*perforata*, one  
*Helicodiscus*, one  
*Vitrea hammonis*,

a *Polygona* here or two.  
The whole thing reminds  
me of the yellow  
alluvial deposits  
now before in this  
region.

Mr. McCabe's well on  
~~terrace~~ at Logan is  
62 ft. deep, about  
a foot in sand, &  
a little more gives  
gravel.

Above this is a heavy  
clay, - about as heavy  
as the clay in Buffalo  
pit.



Photo c, d.

Prairie at Cemetery

photo e, f.

Quarry —

x = Dundas to Logan.

7

Plants near or general  
prairie on way to Logan.

- ? C. *Pedicularis canadensis*
  - x C. *Viola pedata*
  - x C. " *leptophylla*
  - x C. *Oxalis violacea*
  - x C. *Lithospermum canescens*
  - x C. " *argyifolium*
  - x C. *Sisymbrium canescens*
  - x C. *Sisymbrium angustifolium*
  - x C. *Senecio bulbosus*
  - x C. *Fragaria* —
  - Phlox pilosa*
  - Erigeron annuus*
  - x C. Blue grass
  - x C. Dandelion
  - x C. *Caprilla bursa Antennari*
  - x *Antennaria* —
  - x *Astragalus canadensis*
  - x C. *Hypoxis erecta*
  - x C. *Comandra nudicaulis*
  - x C. *Rosa virginiana*
- (C. are in Crawford co.)



- x C. *Syrphium album* v. *occidentale*
- x C. *Potentilla fringilla*
- x C. *Equisetum arvense*
- x C. *Ellisia myaletha*

Wet places in Harina  
between Dundas & Logan.

- Cut tail
- Gin
- Utricularia
- Acorus.
- Carex
- Sagittaria* *hiemalis*?

alluvial - Dundas & Logan

- Ranunculus reptans*
- Phlox divaricata*
- Anemone nemorosa*
- Ranunculus*
- Salix longifolia*
- " *amygdaloides*



July 2, 1902  
Left Iowa City at 3:30 PM.  
Reached Schuyler at 2<sup>20</sup>  
AM.

July 3  
Mr. Lousier told me  
drove me to Clarissa.

Collected plants on  
way. Prairie.  
(The man from whom I  
got lion cubs is  
Jos. Brdichko.)

The territory N. of  
Schuyler is flat for  
some distance, and  
then becomes rougher,  
like Kansas. It  
was practically all  
prairie, but now  
only strips along road,  
especially on swells, show  
prairie flora. All else



(Mr. Jos. Munsil)

is cultivated, or covered with weeds.

I spoke in English for 40 min. & Polish about 18 minutes, - all from 11 am. to 12<sup>30</sup> P.M.

In afternoon walked out on train, W. & S., the latter especially, at Mr. Jos. Prdich's home being almost pure prairie.

See plants.

Walked out with Mr.

Luginold & Mr.

Hejtmarch, the latter

Dr. Habernicht's son in law, &

an intelligent, traveled man left at near midnight.

July 4 - (Rains)

Reached Fremont at 5 am. Left by U.P. at 6:09 am, & reached Omaha at 10:00 am. Drove to Durin. - The bluffs are everywhere green, as in spring.

Collected plants on hill N. of Durin.

S. part of pit shows:



6 or 7 ft  
Beautifully horizontally laminated.



But bones from  
Babcock,  
were taken about  
12 P.M. in course  
run.

July 5-1909

At Logan, at the  
quarry pit at foot  
of bank. There is  
about 9 to 12 ft. of  
sand, cross-bedded, etc.  
and probably 18 in.  
of gravel on white  
(Missourian) limestone.  
There is no pre-Kanran  
here, - just as in  
quarry.

Charles L. Crow -  
Logan Ia.

Look up dates of surveys  
of Missouri river.  
Mr. Crow can supply  
some. Has Nicollet  
map & map of 1867.



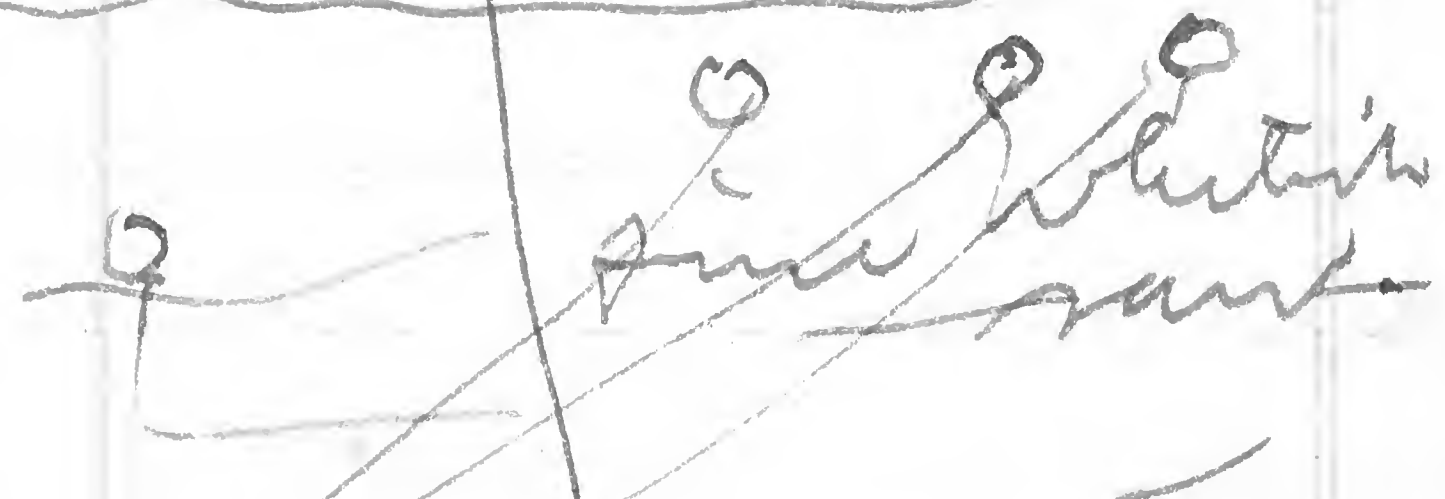
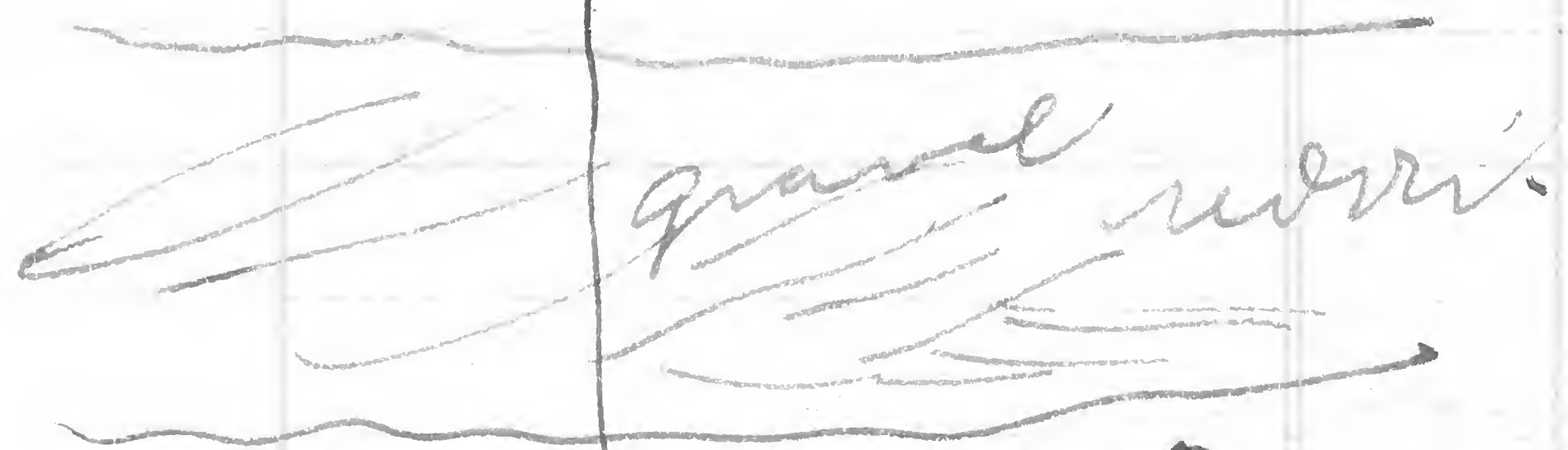
July 16 - 1909  
Left Iowa City at 7:30 AM  
& Cedar Rapids at  
11:55 AM. for Orono.

at Tulin pit - Mr.  
Pulbrook says that in  
being at New pit  
they struck a "dark  
clay like rubber"  
N. of present part & S. side  
of old part. on <sup>fine sand</sup> gravelly  
part there is a  
layer of nicely stratified  
sand - parts bluish  
some red (overly) &  
some dark.  
About 2 ft. of this  
grades down into fine  
sand.  
In present pit (S.) the



gravel bed is  
on top of fine  
bed of whitish  
sand.

In going into the  
rubber-like stuff  
they struck  
beds here &  
there in it.



These are rounded brown  
sand tubes in white sand.

I followed one for 1/2 ft  
& it is evidently a  
root tube filled with  
redder sand from above.

The pit <sup>shows</sup> at  
the look-out shows  
the tumbled  
condition first route.

Two photos from  
look-out, looking W.

Castaway pit is  
badly slumped, &  
we made out  
nothing new.  
The Kanran here  
is very prominent  
and thick, & shows  
Lowland above.



at the well N. of  
pit the ~~rock~~ ~~is~~  
is in heap, &  
in exposed place  
is whitish, but  
black within,  
& breaks up into  
very small cubes  
& contains pebbles  
& particles of coarse  
sand.

Put up at Cadan.

In the Ottawa Weekly  
Democrat I found  
a reprint of  
some news from  
the Democrat of  
July, 1890. containing  
the following:  
"There were four

brickyards in Monona  
county at that  
time, one at the  
Castana woods  
and Round Grove  
in Sherman township.

At Durin Mr.  
Mattison  
had many cows  
& horses - cow  
& bull.  
Will see him  
tomorrow



In P.M. started  
New Thomas  
Kumbea.

Took photos in <sup>9:15-16</sup>  
84-44 - looking S. of S.  
The long bare ridges  
even on sheltered sides  
of great divides are  
bare.

2 telephoto

2 - ordinary

<sup>w. part of 26</sup>  
In the S. part of sec. 17 -  
84-44 is a very deep  
cut in yellow laminated  
(below) loess. Fine  
wooden, no shells.  
30 ft deep  
(See photo)

Also took photos of  
long ridges S. E.  
from same point -  
telephoto.

At the bottom part  
all was stumps  
and logs. Kauri  
shown on top. Then  
stratification fine  
after rain with a  
foot or two of  
then stumps  
Kauri.



Christ. Mathiasen  
Turin, Ia.

July 18-1909

Went out to Jordan Twp.  
to look into Beaver cr.

bone bed.

Stops at G.F. Struble, Ia. <sup>contains</sup>

Gave us deer-head. (give  
credit.) + identify

Now know this  
creek gully is  
about 15 ft deep

+ about 35 ft

wide. The lower  
part (at least 4/5)

is brown dark blue  
black much (like  
sublimation material  
but clearly different  
+ in this are strata  
of sand. (Some  
yellow layers, the  
stratified rocks)

In this black  
mud I found  
included a tibia  
of bone (has to  
dig in out) 15

ft - from top  
There were also  
very fine shells  
of Pteronotus, Melanoides  
Linnæus, Pteronotus +  
Linnæus (?)

Also pieces of  
carbonate rocks



Edges in bed of  
creek a stump  
also unsharpened  
& broken off  
squarely. (Is  
this Geo. F. Fisher's  
sawed off logs?)

With number of  
black earth.  
In portion of it up  
the stream show  
tubes (like those  
of blue loam)  
appeared.

Found a former  
row of trees  
in layer of ground  
(the black soil)  
about 15 ft.  
below top in  
bed of creek at

water level  
Found piece of  
sharpened bar  
widely used for  
a purpose. Rows  
are frequent in  
these gravel  
strikes (anywhere)  
About here  
was a beaver  
dam - about  
50 yds - about  
12 ft. deep -  
was shown  
beaver with  
30 yrs ago there  
was no gulches here  
& Mr. Stumell could  
drive over anywhere  
Within the last ten  
years most of the



washing was done,  
Ducks were numerous  
abundant here,  
went over into area  
on Mr. Strubbe's other  
farm, & here in  
deep gully of  
Maverick creek  
were found buffaloes  
bones & a pretty  
deer horn.

Mr. G. F. Strubbe  
Carters, Ia.

Row of fine cottonwood  
in W. E. by river 13-  
Jordan.  
Took photos

The fine Melvin  
bank is higher at  
its west end -  
probably 40 or 50  
ft. higher than  
ground level of  
bank.  
All the bank  
is covered with  
brush.



July 19 1909  
Drove to McLean's  
pit + to "Buffalo"  
creek (Mudwhiting  
creek at Master's  
creek, + the  
man on the place  
called it Lost  
Park creek.  
The skulls came  
from:

one was heavy "like  
stone", + was taken  
from S.E. 1/4 24

Our skull came from  
Sec 10. 7 creek  
flows from S. E. to  
NW

There are boggy in  
east 1/2

Center Park

The Woodman  
place (S.E. 1/4 24)  
may have been  
one which they  
own. This was  
in S. 1/2 of sec. 36  
Maple Loop.  
But more likely  
sec. 24 - Center

(Had much of this  
information from  
Mr. Edwin Quick  
at Whitney's bank)

Mr. Edwin Quick



Os. No. Silas Melley  
in sec. 34 (near  
center? (owned now  
by Crow & son.)  
from Buffalo  
skull at 14 ft  
on upper bench  
(was quite a knoll).

Mr. Quirk has antler  
of Va. deer taken  
in draw, quite  
well up -

Mr. Albert Lind found  
it digging a well,  
15 or 16 ft.

This was on W. 1/2  
of the S.E. 1/4 of  
sec. 16 - Cooper map  
184-42.

From Mr. Quirk  
Creek S. of Mukwonago  
is Mucky creek  
near school house -  
S.E. of S.E. of 30 in  
Cooper Map. were  
found two skulls  
in deep gulley  
along creek.  
These were Buffalo  
skulls; one very  
large.  
(Four plates in 4 in -  
in the Whiting *Elephas*  
imperator tooth)



Look up discussion  
of Buffalo in  
Wallace Fauna?  
Mr. Whitney knows  
of man who killed  
Buffalo.

(ask J.B.P. Day  
about bones in  
Antediluvian Hollow)

Drove N.W. with Prof.  
Caldwin to Hawthorn  
place.

In rec. 14-85-43

35

Mr. C.A. Hawthorn  
says that in his  
olden pits there  
was common material  
but in the big pit  
near house, the  
strata are regular.  
Bones were found  
joint, & what  
appeared like pieces  
of rail.

White sand in big  
pit was at first  
about 6 ft. below  
surface, but deeper  
further back.  
There was a joint pebbly  
clay (Kansan)  
The line between the  
two was level &  
sharply defined, white (high)



Sand nearly white at  
top.  
About 1 1/2 - 2 ft of  
sand (yellow) &  
then vein of gray  
clay - 1-2 in.  
Then sharper, coarser  
white sand, 2 ft.  
then thin layer of gray  
clay 1/2 in.  
Then very sharp clean  
white sand, 4/5 ft (about)  
Below this is a layer  
clean fine gravel,  
sometimes coarse too,  
few in. to 2 ft. - in  
pockets.  
Below this "a red  
tough "potters" clay"  
bluish in color, several  
ft - very hard. In

Not get through it.  
No pebbles or coarse in this.  
(Wm. Ferdig - owner's)

At another found large  
bone in coarse sand  
had rows of teeth across  
jaw. - 5 or 6 rows.  
over 1/2 ft long.

The pit is now badly  
stumbled, but shows  
yellow loam at top  
& then distinct red  
below bone 4-5 ft.  
There is an old dark  
band (soil) 2 in to 3 ft,  
~~but not at all~~  
in location.  
Seven above -



Below this was  
Kaumoa

Ferdig's pit is in S.E.  
cor. of sec. 10-84-43

W. 5. Ferdig (father  
father)

About 10 ft. of sand  
below the white  
line.

Below this a tough  
pebbly clay, yellowish  
various, gravelly in  
some places & thin  
shards.

Rudolph Enslaw, but with Germany  
(cannon) & below.

Sec 10-1-3 W.

2-23 W.

4-6 ft. Kaumoa - abundant  
white lime nodules  
below.

about 8  
ft. exp. (Sand)  
(Kaumoa)

Ferdig pit.



The big lake  
is very deep

and there is quite  
a little band of  
mud bottom.

This is black, with  
some, & new bands  
& is 5-8 in thick.  
The Kauri is very  
limy & friable,  
with small pebbles  
etc.



Lakeside Lab.August, 1909

Left Iowa City July  
31, at 8:30 + Cedar  
Rapids at 12:35 AM  
for ~~White~~ Oshkosh.

Fare to C.R. - .50

" " W. Oshkosh 4.54

Bus fare .15

Board (Over) 30

August 1 - Sunday

Reached the Lab  
about 10 am. +  
cleaned up.

at 11 am. Sunday  
services - Dean

Evans of Drake Law

School talked.

In the afternoon, after



services

Took dinner at  
Wilder Hotel  
Lounge & looked  
about in afternoon.

Aug. 2 - Monday

Mr. C. F. Brower, Miss  
Louise Falk, and John  
T. Buchholz left.

Bathed.

I studied the local  
flora, <sup>and prepared a lot</sup> arranged my  
belongings, and  
tried to get my  
people together, but  
found Fracher, Thomas,  
& Puckett away, &  
others were still  
unsettled, Wilson  
being the only one  
to appear.  
Wylie packed.

lectures on forests of U.S. to small  
audience (3.75 each)

We adjusted 2<sup>nd</sup> mess<sup>es</sup> &  
kept Mrs. Davis, but  
discharged Charlotte & Utterlad.  
Packed local plants.

Aug. 3, (Tues)

Dr. Wylie and Whedon  
left on their trip  
down the Iowa,  
Mr. Knapp left.  
Thomas & Puckett appear,  
& later (while I was  
gone) Fracher came  
back.  
Went over to Arnold's  
Packer took 10<sup>45</sup> am  
train for Spirit Lake.  
Purchased old papers, &  
had dredges & evaporating  
pans made.  
Returned by boat  
(Des Moines) in  
evening.  
In morning I discussed  
work with students.



Aug. 4 (Wed)  
Set up evaporating  
pans at stations  
1, 2, 3, 4, 5, 6. Took  
readings (see notes)  
(For description of  
stations see pp.  
64-67)  
Dredged for molluscs  
in bay. Bathed.

Aug. 5 (Thu)  
Mrs. Puckett (who had  
been here for a day  
or so) left.  
Took readings at  
intervals all day.  
This was the day  
when practically  
all the day was  
given to these  
observations.  
I also discussed shells  
& plants with  
the students who were  
here: S.B. Fisher  
Raymond Wilson  
Miss Etta Bardwell  
" Eva Varney,  
Miss Brown did not  
come in.



Aug. 6 (Fri)  
Took evaporation  
observations, aided  
by Wilson, etc.,  
worked locally,  
partly N. (1/2),  
have lecture  
on the Iowa Desert  
in evening.

49  
Aug. 7 - Sat  
Took evaporation  
observations with  
assistance of Wilson,  
Dachau, Miss Varney,  
etc.  
Went over to Arnold's  
Park and got  
Miss Cavanaugh &  
Miss Margaret McElroy.  
Miss Tracy also  
came.



Aug. 8 - Sunday.

Rained a little AM.  
Rev. Jackson of  
Estherville conducted  
Sunday services  
assisted by Rev.  
McClure, Wilson's  
pastor, from Council  
Bluffs.

Lunched about, wrote  
arranged plants,  
in press, etc.  
Took three readings  
of evap. apparatus.

Part of the several  
gentlemen had a  
liberal, & they had  
to depend on the  
garden lab. for it.

Aug. 9 - (Mon.)

It looked very stormy  
in morning & we  
did not go to Estherville,  
but took evaporation  
readings, & collected  
some <sup>material</sup>  
Miss Deems came  
in on 11 o'clock in  
forenoon.



Aug. 10 (Tue.)  
Took trip by  
launch to Orleans,  
& caught train  
for Estherville,  
Very hot.  
Pickett remained  
at Orleans.

Misses Duns, Tracy &  
Wm. Thomas and  
Fraser were with me.  
We worked up  
prairie from  
N.W. along C. R. &  
& P. R.R., & then  
collected a few  
plants and shells  
near dam on  
Des Moines river,  
walked out about  
2 1/2 miles.

53

Returned in  
evening by launch,  
lunched on way,  
Took my bicycle down  
in launch. Found  
it broken (crank)  
Wilson took readings.

Aug. 11 (Wed)

Looked after material,  
took swap readings  
and worked S. for  
mud & plants.  
The little swamp  
S. of Miller hotel  
& the woods proved  
profitable.



see  
notes  
Aug. 12 - (Thursday)

(2) Made camp.  
Observations, since  
enough helping.  
Fishes from shell  
drift on the shore  
of Muddy Bay.  
I got a lot of it.  
Worked at it a  
little.

Aug. 13 - (Friday)

Spent forenoon identifying  
shells & plants, &  
making out sets of  
shells.  
Miss Varney left.  
Spent afternoon in  
local work.



Aug. 14. (Sat.)

Named skulls &  
plants in forenoon,  
Took launch to  
Aurora's Park with  
Mrs. Trueman &  
Miss Duran.

Miss Duran's train  
was late and  
she had to return  
Collected *Pteris*  
*fraxinifera* on  
gravel near draw  
bridge at Oshkosh.

Returned & finished  
shipping press of  
plants.

Turner-Ritch lens  
came at last, but  
could not fit it.

Aug. 15 (Sunday)

Miss Duran left ear.  
Spent day in  
arranging & packing  
and named some  
plants.

Rev. Perkins of  
Watertown, S. Dak.  
undertook services  
in the grove at  
the hotel. Again  
with the Rev.  
Rev. Jacobson had  
a bible, the young  
lady clerk at  
hotel furnished  
it this time, &  
we read our  
hymn books,  
(Communion books)  
(see p. 61)



Lakeside Lake

Accounts

Received from:

Aug 2	C. F. Brower	3 meals	.50
"	Louise Falk	"	.42
"	John Puchholz	10 "	1.50
"	1 <sup>st</sup> team - Fruit	4 <sup>th</sup> 9	3.75
"	Whedon	3 meals	.45
Aug 3	from Mr. Olmstead	1 meal (for Thomas)	.15
"	Mr. Knapp (over)	10 meals	1.50
"	Dr. Wylie - 28 meals		\$4.20
Aug 5	From Olmstead	1 meal	
	(for Puchholz)		.15
	from Mrs. Puchholz	meals	2.00
Aug 9	Liston		1.00
Aug 10	Bertram Puchholz	17 meals	2.35

Lakeside Lake 59

Accounts

Paid - Aug. 3 -			
	50	30	\$ .80
Dredge, netting			
5 ft. belt - Puchholz			.25
Whedon - supplies			1.00
Paid Aug. 4 - Old mess			
for left over supplies			\$ .81
(Dr. Wylie was paid \$1.00 for balance)			
Paid Aug. 7 - Laundry			
(see bill)			.48
Aug 13			
Paid meat			.80



Received Aug. 13  
S. W. Frueher  
Rent - rent \$ 1.50

Aug. 14,  
Miss Tracy -  
Rent - 2 weeks \$  
Aug 24 - 4.30  
Truition 2.50  
Miss Bardwell  
Rent. 2 week 4.30  
Truition 2.50

(50c for incrim paper)

Aug 15. Miss Mc Elroy  
Room rent  
Aug 6-16 - 2.50  
Board 3.50  
" .25  
Miss Mad. Dues - 2.00  
Truition 2.50  
Mess. - 1.90

(see p. 57)

61

Aug. 16 (Mon)

~~Did some local work,  
and spent some  
time packing for  
the country.~~

Identified plants  
for Wilson,  
Miss Bardwell

left.

Miss Mc Elroy left <sup>5-30</sup> am  
Went to Spirit Lake  
& Orleans by launch,  
collected plants &  
shells.

Miss Carvish, Miss Burr,  
Miss Tracy & Pucher  
were in party.

(see p. 63)



Aug 17 (Tue.)

Mr. W. Wilson Sr.  
& son Raymond  
left for  
Wilford.  
Spent day in  
local work, changing  
drives, arranging  
lab, and fishing.  
Also worked  
about lab,  
cleaning up, etc.  
& packing.

(see p. 69)

Sun Aug. 1-

" 2

" 3

" 4

" 5

" 6

" 7

Rev. Jackson

Sun. 8

" 9

" 10 - Edenville trip

" 11

" 12

" 13 Miss Varney left

" 14

Excursion to Park - Sun.

Sun. 15

Miss Duns left  
cleaned lab.

" 16 - Miss Purdell left

" 17 - Wilson left

" 18

" 19 coll. S. & N. Miss C. left  
Arnold's Park

" 20







66

Sta. 1 is on top of high point,

2 - on open beam ~~top~~

3 - In open - beam

4 - In grove of low valley.

In woods near spring  
5 about 100 yds W.  
of 3. of (4)

6. about 11 ft above lake  
& about 14 ft. W of  
shore line on pebbly  
bank with

~~Cyperus~~, *Syntherisma*  
*Alnus*, *Fagus*, *Castor* (smooth)  
*Helianthus*, *Urtica*,  
*Elymus*, *Phalaris*,  
*Artemisia ludoviciana*, etc  
*Cirsium altissimum*?

67  
2013



620 yds

5

Sta 1.

2013



Aug 18 (Wed)

Fished again.  
Packed plants &  
telescope.

~~Collected & packed  
some plants, from  
N. of Hancock Bay.~~

Called on Mrs. Beck  
at Inn & examined  
dying birch oaks, were  
affected with caterpillars,  
flat scale wood insects,  
and galls.

Trouble especially  
bad where trees  
on slope were  
exposed by  
removal of trees  
along shore to  
give guests  
view of lake.

Saw a few more plants from  
Aug 11 from  
N. of Hancock Bay



Aug. 19 (Thurs.)

M. <sup>3:30</sup> Collected plants N. ~~W.~~  
~~W.~~ & picked some  
champs during.

Went on in  
Lanark to Ansel's  
Park.

Miss Carrough  
left.

Packed up  
Lanark stuff.

On return I  
collected plants  
5 Toronto mail  
box.

Packed &  
pressed plants.

Aug. 20 (Fri.)

Had breakfast & dinner &  
Mutter's help.  
Collected plants,  
chiefly N. &

NW. (prairie) &  
put them into  
press. Packed.

At 1 P.M. left  
for Spirit Lake  
by the Des Moines

Wash. Cycle  
express, with  
package of plants,  
etc.

Returned by way  
of West Oshkosh  
& Iowa R. I.  
Aptly on train  
bought for  
had  
got in late.

put Lanark's Spirit Lake.



Aug. 21 (Sat.)

Packed & closed up  
in my wardrobe  
left early.  
Carried boxes,  
mattress, etc.,  
& drove up  
generally.

Located my  
station (see  
pp. 64-67).  
Had breakfast &  
dinner at Miller  
Hotel.

Left at 1 PM.  
by the Des  
Moines  
Express  
3 boxes  
to the valley

& then walked up  
to Orleans & collected  
shells along the  
shore. Then  
cutly again at  
Orleans & collected  
& visited until  
about 6 PM when  
my train left  
for Silley.  
My checked suit  
case failed to  
arrive.

Put up at  
Windsor Hotel  
at Silley.



Aug 22 (Sun)

Left Sibley at  
4:33 am &  
reached Sioux  
City at 7:20  
Had lunch, &  
went on to  
Miami Valley.  
Arrived at 10 am.  
Rained some.  
Stopped at the  
Milea.

After dinner  
drove out to  
Cox's & got  
some boxes.  
Mr. Peter Cox also  
has Jim Mastuda  
bunch, which I  
will get later.

Visited at Cox's,  
then drove  
to ridge N. of  
Mio. Valley  
and collected  
plants on  
S. ridge and  
at Sta. 1.  
Met a couple of  
young men students  
of Ohio State who  
are in quarters  
singing at  
Chattanooga.  
They commenced  
to air their views  
on the geologic  
formation, &  
I guess were  
a little surprised  
that the shabby



Follow they encounter  
knew anything about  
it.

Received my  
mail case at  
9:20, & left  
for Cedar Rapids  
at about  
10:30 pm.

Aug. 25 (Mon.)

arrived at  
Cedar Rapids at  
5:25 am &  
left for Iowa  
City at 6 am.



May 9-1910

went E. of cemetery  
into John Irish woods.

Found hazel, *Viburnum  
pennsylvanicum*, & many other  
things badly nipped.

May apple was down  
& many flowers & buds  
frozen.

*Polemonium reptans*,  
*Viola* —, *Ranunculus  
septentrionalis*, *Trillium  
sectum*,  
seemed to be sound.



May 24 - 1910

Honestas to ...

*Prunus serotina*

*Populus balsamifera*

*Corylus americana*

*Cornus paniculata*

*Ribes gracile*

*Quercus macrocarpa*

*Thuja occidentalis*

*Menyanthes americana*

*Psidium quinquefolia*

*Carya ovata* (Mill.) K. Koch

*Quercus rubra*

*Quercus velutina*

*Carya occidentalis*

*Ribes coccineum*

*Ribes rubrum*

*Sambucus racemosa*

*Ribes cereum*

*Asi horum*

*Urtica dioica*

*Vitis vulpina*

*mariposa*

*Asplenium platyneuron*

*Celastrus occidentalis*

*Ribes coccineum*

*Ribes coccineum*

*Pyrus ioensis*

*Celastrus occidentalis*

*Prunus virginiana*

*Rhus glabra*

*Rhus glabra*

*Rhus glabra*

Herb

*Viola blanda*

*Viola blanda*

*Viola blanda*

*Polygonum orientale*

*Geranium robertianum*

*Asplenium platyneuron*

*Asplenium platyneuron*

*Asplenium platyneuron*

*Asplenium platyneuron*

*Asplenium platyneuron*

*Asplenium platyneuron*



~~Hydrophyllum virginicum  
Potamogeton virginicus  
Orchis spectabilis  
Arisaema triphyllum  
Carex rostrata  
Lonicera  
Actaea alba  
Fragaria virginiana  
Polemonium spectabile  
Urtica virginica (1)  
Rudbeckia cordata (1)  
Oxalis claytonii  
Ranunculus abortivus (1)  
Sium  
Thalictrum perfoliatum (1)  
Saxifraga maritima  
Mertensia virginica  
Sedum album  
Cypripedium pubescens  
Saxifraga  
Adiantum pedatum~~

~~Pteris aquilina  
Vicia cucullata (hairy)  
Asplenium septentrionale  
Cypripedium  
Ranunculus acris  
Carex laxiflora~~

1912  
(Later added)  
Aquilegia scopulorum  
" gyrocampa)



Prunella laevis

~~Fraxinus americana~~

~~Populus tremula~~

~~Autumnalis~~

~~Prunella~~

~~Prunella angustifolia~~

~~Erigeron annuus~~

~~Asplenium platyneuron~~

~~Hypoxis aurea~~

~~Phlox pilosa~~

Syringia vulgaris

~~Salix humilis~~

Ridge

~~Polygonum aviculare~~

~~Galium aparine~~

~~Erigeron annuus~~

~~Eryngium yuccifolium~~

~~Antennaria dioica~~

~~Centaurea jacea~~

~~Asplenium platyneuron~~

~~Fraxinus americana~~

~~Prunella laevis~~

~~Pteris aquilina~~

~~Prunella virginiana~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

Road ~~Cestrum tomentosum~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Senecio platensis~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~

~~Phlox pilosa~~







Dill's Hill

June 27 - 1909

*Erigeron ramosus* fl.  
*Trifolium pratense* fl.  
*Poa pratensis* fr.  
*Coropis palmata* buds.  
*Ruellia ciliosa* lvs.  
*Kuhnia eupatoroides* var. <sup>complanata</sup> lvs.  
*Helianthemum canadense* fl.  
*Solidago nemoralis* (small leaf) fr.  
*Euphorbia corollata* fr.  
*Potentilla arguta* fr.  
*Scutellaria parviflora* fl. & fr.  
*Achillea millefolium* fl.  
*Solidago capitata* fr.  
*Achyrocline satureioides* buds.  
*Erigeron canadensis* lvs.  
*Panicum Scribnerianum* fr.  
*Eupatorium altissimum* fr.  
*Asperula flexuosa* fr.  
*Thymus sylvestris* fr.  
*Trifolium repens* fl.  
*Achillea millefolium* fr.

~~Lobelia spicata fl.  
 Sorghastrum nutans lvs.  
 Anagallis foens lvs.  
 Verberna bracteosa fls.  
 Phytolacca rugelii buds.  
 Rhus glabra buds.  
 Andropogon scoparius fr.  
 Anemone cylindrica fr.  
 Koeleria cristata fls.  
 Rudbeckia hirta fls.  
 Ambrosia artemisiifolia  
 Verberna stricta buds.  
 Melilotus alba fls.  
 Sesuvium portulacastrum fr.  
 Phytolacca pubescens fr.  
 Cassia chamaecrista lvs.  
 Hemlock lvs.  
 Phytolacca fl.  
 Verbena stricta buds.  
 Thymus sylvestris fr.  
 Clematis fls.~~



~~Asclepias syriaca L.~~  
~~Rubus occidentalis DC.~~  
~~Sparganium angustifolium Michx.~~  
~~Antennaria racemosa L.~~  
~~Baptisia leucantha fl.~~  
~~Rosa pratincola fl.~~  
~~Hedysarum purpureum DC.~~  
~~Silene acaulis fl.~~  
~~Oxycodon nictitans fl.~~  
~~Allium canadense DC.~~



1910

Adams - Sand - July 16

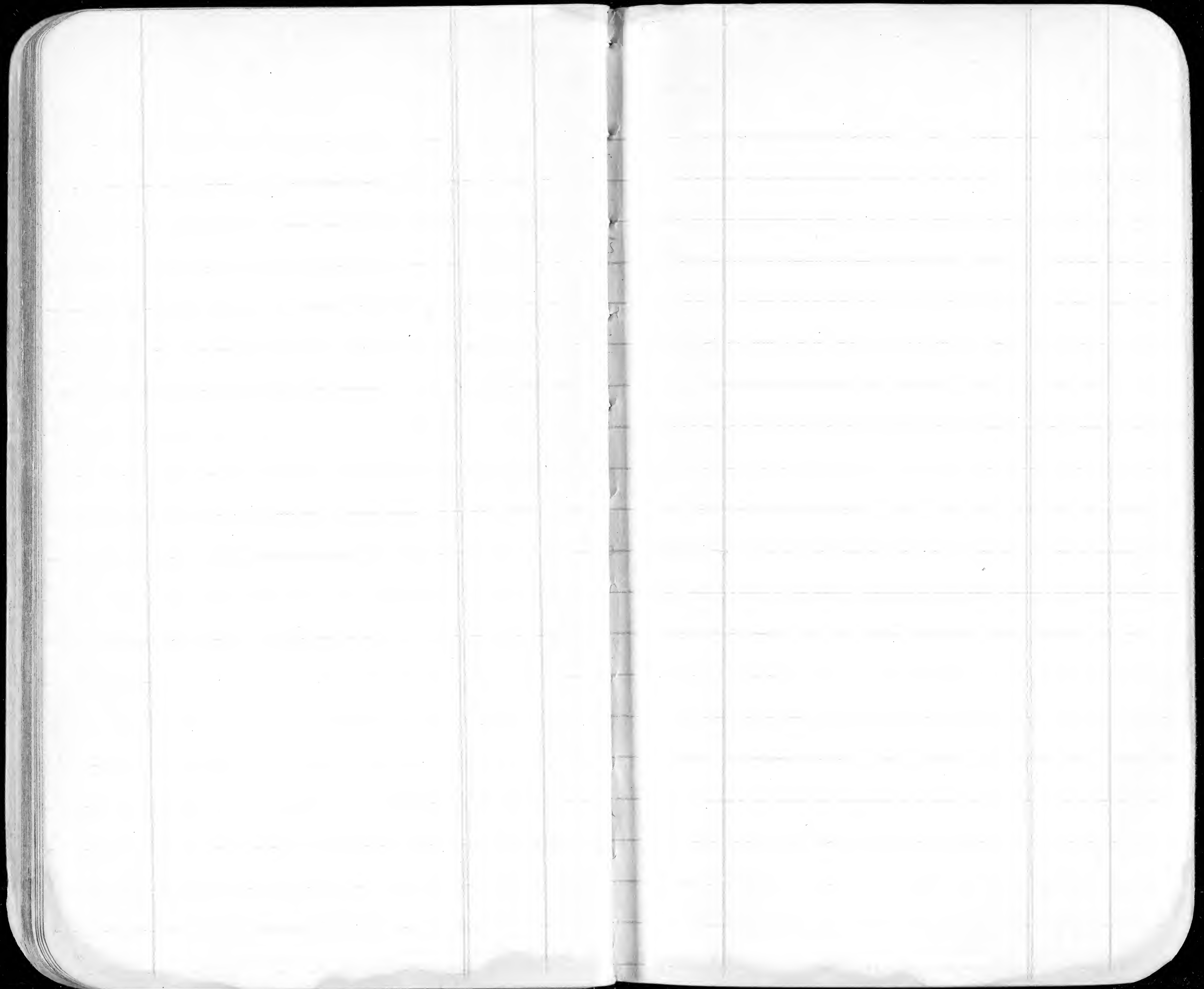
*Senecioium illinoense* fls  
*Carex granata*? br  
*Rumex mexicanus*? br  
*Thurberia* ~~stamb~~  
*Lactuca ludoviciana*  
*Carex verticillata*  
*Physalis viscaria* fl  
*Lepidosaphis fringilla* fl  
*Rudbeckia hirta* fl  
*Achillea millefolium*  
*Mimulus ruber*  
*Antennaria ludoviciana*  
*Castilleja rubra*  
*Streptanthus trichosperma*  
*Muhlenbergia uniflora*  
*Scrophularia leporella*  
*Elymus canadensis*  
*Chenopodium leptophyllum*  
*Verbesina cuneata*

*Verbesina stricta* fls  
*Puellia ciliata*  
*Zorasteris cuneata*  
*Agrostis alba*, var  
*Plantago crinita*  
*Erigeron v. pubescens*  
*Cyclopia glauca*  
*Rhus v. trilobata*  
*Lactuca canadensis*  
*Croton glandulosus*  
*Hesperis matronalis*  
*Erigeron annuus*  
*Panicum tenuifolium*  
*Ceanothus americanus*  
*Polygonum ramosissimum*  
*Artemisia verticillata*  
*Oxalis stricta*  
*Cyperus tenuifolius*  
*Lobelia cardinalis*  
*Polygonum crinitum*  
*Rhus glabra*

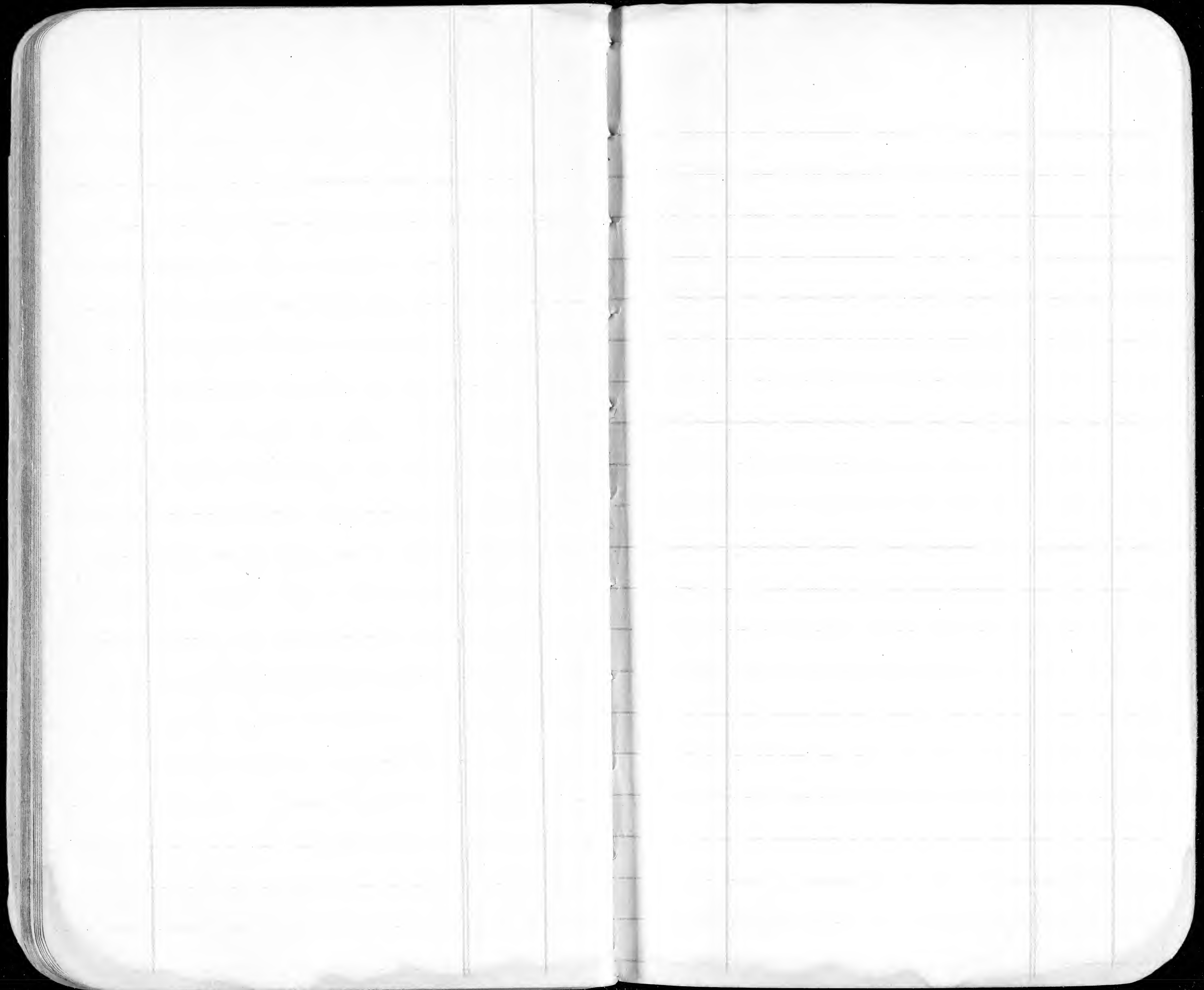


~~20~~  
~~Anthracium flexuosum~~  
~~Urtica viticulosa~~  
~~Fragaria~~  
~~Rosa~~  
~~Asplenium cuneatum?~~  
~~Antrodia psilocybe~~  
~~Pycnanthemum pilosum~~  
~~Pentstemon canadensis~~  
~~" purpureum~~  
~~Antennaria~~











Expenses - Oholoyi

RR to W. Oholoyi 4.54

In city to CR .50

W. Oholoyi to Lab. .50

To Shinn's Lab. .50

4/20 W. Oholoyi to Lab. 35

RR. Arnold's Park to ~~Shinn's Lab.~~ 10

meals - Miss Carroll 25

25

50

35

My meals 35

35

35

35

35



~~Spencer Ia. Exp. Exp~~

Aug. 21 Orleans to Sibley B. 72

Transfer Sibley .25

Aug. 22 - supper (2<sup>nd</sup>) + lodging 1.00

RR. to Sioux City 1.47

Breakfast " " .30

RR to Mo. Valley 1.52

Hotel Miller Summit sup. 1.00

Team (to Logansport) 1.50

Aug. 23 RR to Cedar Rapids 4.89

RR to Iowa City .50

Transfers & other  
books



Aug. 1909

Photos - Box 1 - Choboy

- 4 - Wilson's fish,
- 2 - Lake from lake
- 2 " " "
- 2 Wheat fields from high pt.
- 2 Calvin's Barnell (camp)
- 2 Hills n. of Miller's Bay.



July - 16 - 1909

July 16	Fare to Cedar Rapids	.50
" 17	RR to Osawa	5.41
	Eleven to Mrs. Valley	1.50
	Breakfast	.60
	RR to Twin	.14
July 18	(Roller) "	.25
	(Stimbley)	.25
July 19	(Mullin's - Twin)	1.25
	RR. to Wapleson	.28
	Hotel "	2.00
	RR. to Cedar Rapids	4.81
	" " Iowa City	1.04
	Cab.	.25



July 2 - 1907

Ticket <sup>50</sup> RR. to Omaha 5.49 \$ 5.99

Supper en route .55

RR. to Selwyn 1.32

July 3 - (Fare to Fremont) 1.05

Lunch <sup>25</sup>; ~~breakfast~~

July 4 -

Breakfast, Fremont .25

RR. to Omaha 2.20

Team " 2.00

Feed <sup>35</sup>, Dinner <sup>25</sup> (Train) .60

RR. to Mo. Valley .77

July 5 - Lodging <sup>50</sup> .50

July 6 - Mo. Valley Breakfast <sup>50</sup> .50

RR. to Logan .14

RR. Logan to Co. Mills .60

Supper " " .25



May 13, 1909.

	Coupon to Cedar Rapids	.50
14-	RR. to Mo. Valley	5.
	Hotel " "	1.50
	Livery " "	2.50
	RR. to Osage -	
15	Hotel Osage -	1.20
	RR. to Union -	
	Livery " "	
	Lunch " "	.25
	RR. to Maquoketa	
16.	Hotel " "	1.50
	Livery " "	2.50
	" use 35 hotel 50	.85
	<del>RR. to Cedar Rapids</del> lunch	.25
	RR. to Cedar Rapids -	
	To Iowa City	.50
	Hack	.25

May 21-1909

	Hack <sup>25</sup> RR to CR <sup>65</sup>	.90
22	RR to Argon	4.72
	Spindle -	.45
	Penicil	.35
	RR. to Cedar R.	4.72







