

# MEMORANDUM

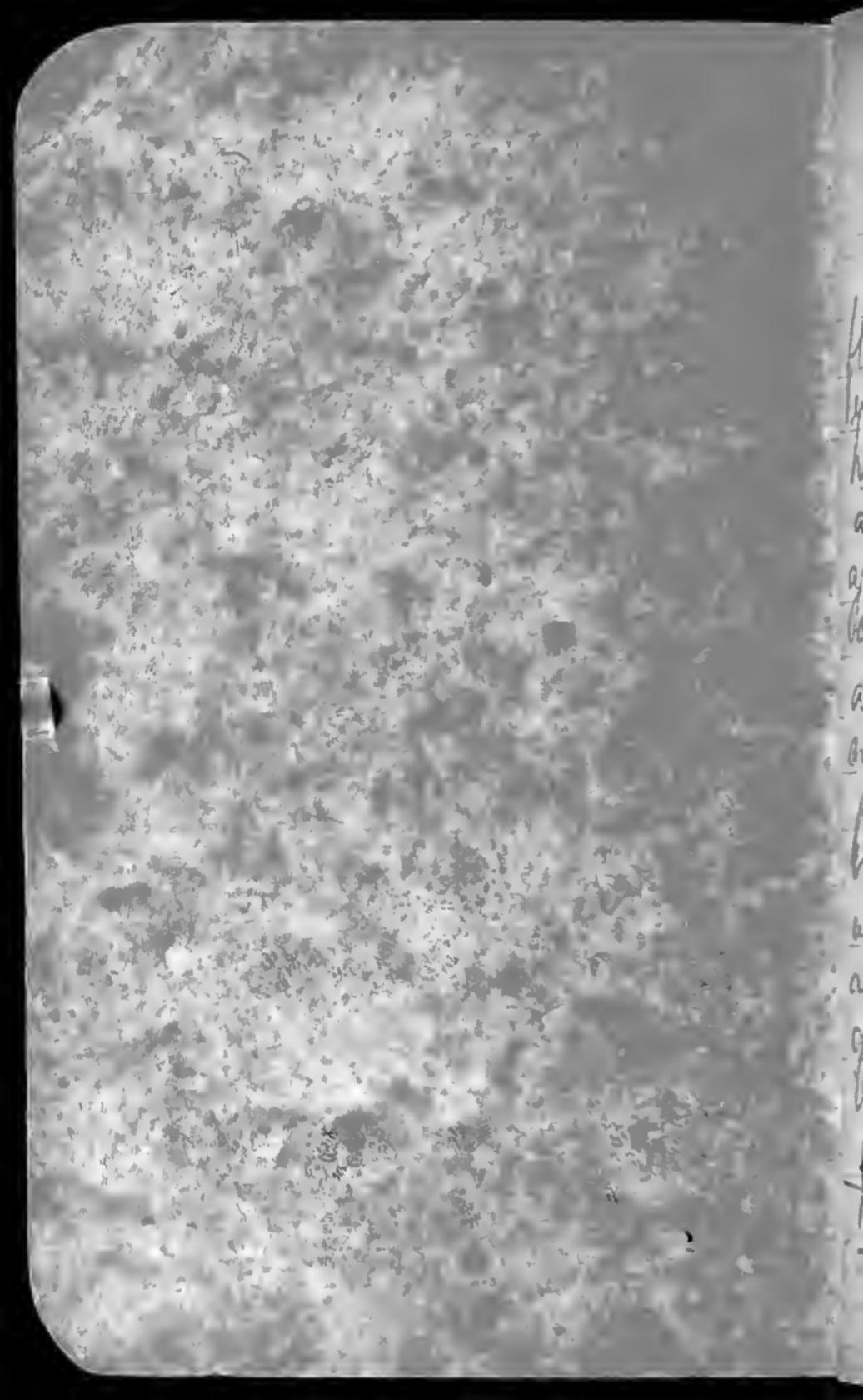
Warren, Pa. 1894.

doc. 0075

Moreland, Ky. 1894.

Tennessee - 1897.





Philadelphia

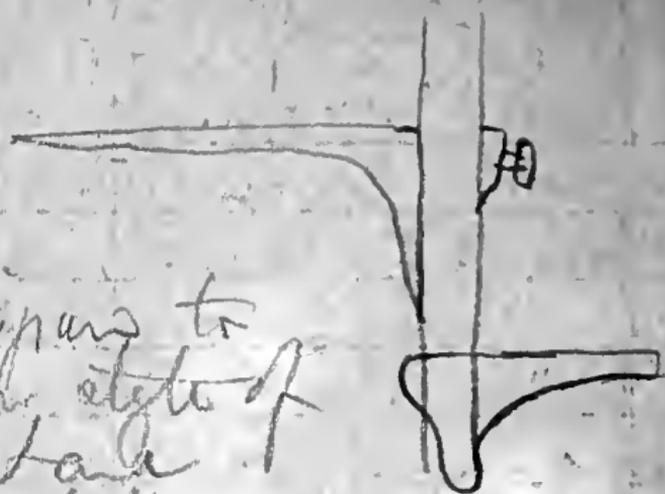
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# Wistar Institute

— Sep. 2 - 1894.

The museum is on the lower floor. The windows are not excessively wide but marginally high the room. The cases are set before the windows ~~and~~ against the pier and extend considerably into the room. All are made of oak. Lock crutches. There are no partitions to the cases. One inch gas pipes are used for up-rights <sup>inserted into holes</sup> and brackets <sup>which are</sup> which are open on one side <sup>and</sup> one fastened to the back by means of screws. The shelves therefore can be adjusted to all levels and no obstruction against the light.

departs to  
other style of  
post and  
bracket.



The striking features of  
the museum are the preparation  
for life of human  
showy veins, arteries and  
nervous system. Quite  
a number are presented but  
one ugly feature, is that  
all are suspended by  
wires from a horizontal bar.  
Giving the impression in the  
distance of so much  
meat at a butcher shop.

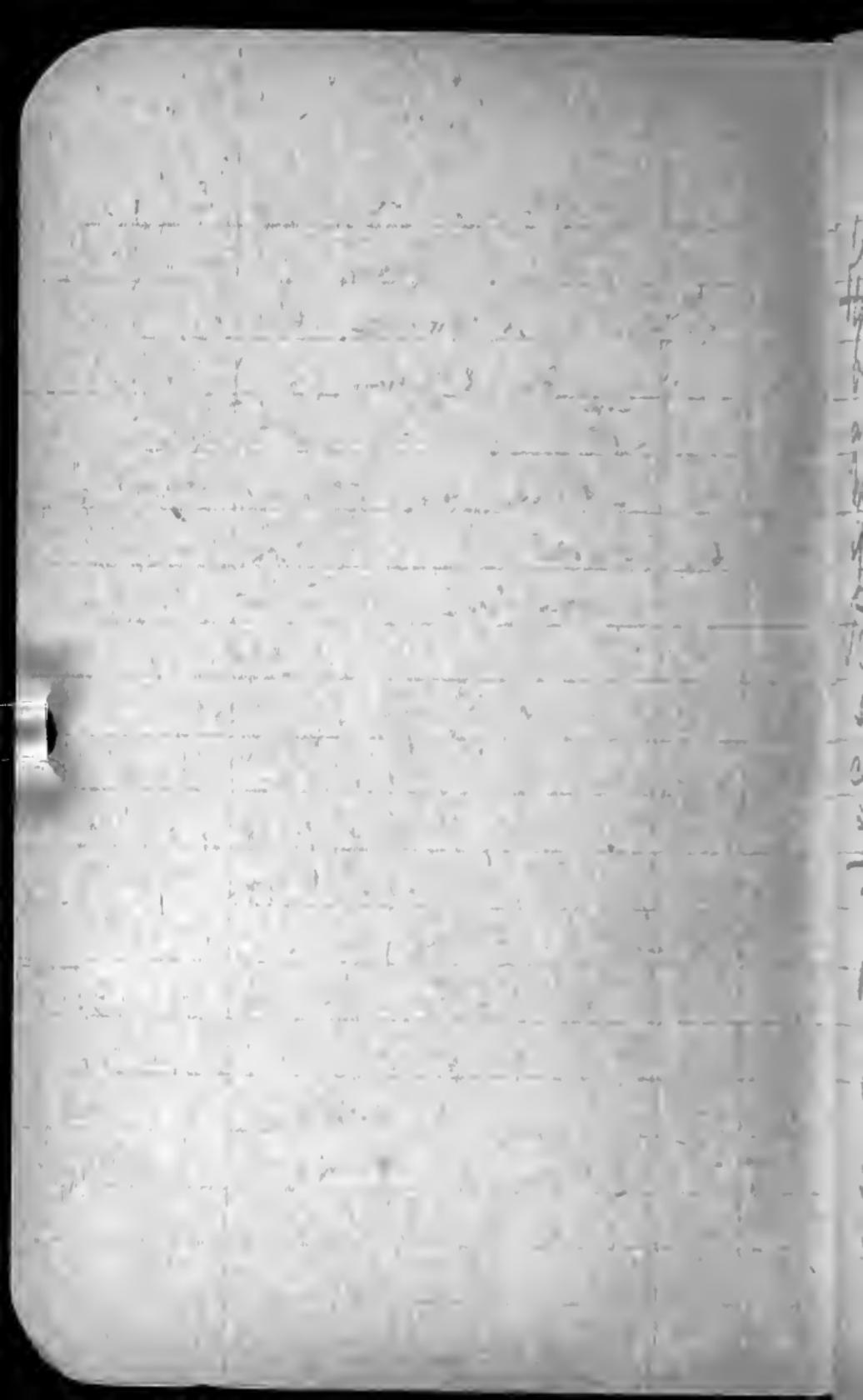
## Phosphatic rock of Tann.

Beecher says the age  
of the rock is Ordovician.  
The species are Heteropoda.

Modern Heteropoda are pelagic  
and have phosphatic shells.

The animals, on dying, drop  
to the depth and their shells  
are dissolved out <sup>of the shells</sup> ~~the~~

Carbonate of lime and leave  
the phosphate of lime as  
a phosphate. ~~The~~ mud which  
fills the shells and lower  
part of them.



## Vertebrate collecting.

The paste is made of  
flour and water of a fair  
thickness. Gummy sack or  
burlap is used and cut  
about two inches wide.  
When the bone is badly shattered  
it is well to stick short  
pieces over the broken areas.  
Otherwise it is well to  
stick over the bone two  
courses in opposite directions.  
Leave the paste to dry before  
trying to turn the bone or  
pack it for shipment.

Thin plates of paper in other  
good boxes where available  
exist. See Paper glue in  
29. Both in good to have  
abundant.

1. Warren Pa.

Sept. 4, 1894

Met Beebe, at Kane  
where we gathered some  
interesting glass with  
spherulites. These form at  
the bottom of large masses  
of molten glass ~~when~~ during  
cooling. The reservoir in  
which the glass is made is  
probably 90 feet long and  
two feet wide inside with  
the glass four or five feet  
deep. Once a year or so  
the furnace air cooled  
for repair. Water is run  
over the top and at the  
end of a week the mass  
is sufficiently cooled to  
begin taking out the glass.  
Near the bottom the largest

Opheulites are found and  
become smaller towards the  
top and eventually only green  
glau is left. The heat  
is supplied by natural gas.  
Sometimes the glau is  
poured out upon a flat  
bottom, covered with sand  
about two feet deep, and  
this is broken up lumps  
and reheated when the  
furnace is repaired.  
Here also the opheulites  
are formed near the bottom.  
Opheulites are also formed  
in the pits holding some  
700 pounds of broken  
glau. It is from these  
pits that the glau is  
taken for making of the  
same. The glau in these

is often stored with a  
corrosive shell or by being  
to the bottom a potatoe.  
It seems most probable  
that these spherulites are  
formed largest and in  
fine perfection where the  
mass cools slowest.

Sep. 5-

Collected a little in the  
dew on the top of the hills  
back and south of garden.  
Found a spine of the  
*Palaeohypus*. Beech found  
a new *Aylacium*.

Sep. 6.

Spent the afternoon at  
Halden Run collecting in  
the Chemistry. Pandanus  
haydeni.

Sep. 7.

Filled 7 letters in the  
morning. Packed three  
packages and sent by  
mail. Left branch  
at 1 1/2 P. M. for Cleveland  
Ohio.

Then to Canton to call on  
brother Phil Church, Gent.

Phosphate, which is  
which I saw in some  
Identified: *Cyclora minuta*  
and *Cystolites (Microcirus)*  
*inornatus*, *Aenodonta obliqua*  
*Cyclora depressa*. d

Lorraine.

Cincinnati, Ohio.

Sep. 9-10

Sep. 11 with Ulrich to  
Moreland, Ky.

12

Sep. 11 - 1898

Moreland Ky.

On ~~Moreland~~ Moreland farm a short distance to the n.e. of the station contact of the Upper Cincinnati formation and the Devonian is well shown. No Niagara is present. Of the Cin. fossils there is about 15 feet exposed at the very top of which are found *Onychodonta bowdleri*? and three feet below occur *O. sinuata*, *P. bifurcata*, *R. capax*, *Isorhynchus* (see Cin. form.). The top of the Cin. has been slightly worn and upon it is immediately deposited the Devonian with *Comi* fossils corals and etc.

A species of Stindia occurs  
abundantly in the Levonia.

Sept. 13 at Waverly Ky

Sept. 14 Burgin and then to  
Cincinnati.

Put up at Tullame Hotel

1897

See expense account  
at back of book

Washington to Nashville;  
Tenth Centennial Exposition.

May 5. Left Washington 2.20  
P.M. on C. & O. road.

May 6 Arrived in New York City  
about 7.30 A.M. Spent the time  
until 2.10 at Merick's.

Arrived in Knoxville at 12.0

→ and Nashville at 11 P.M.

May 7 Set up the Survey fossils.

" 8 Assisted Dr. Clarke on the  
Mineral and rock collections.

" 9 Collected fossils in the museum  
at West Side Park a short  
distance west of the Centennial  
Exposition grounds. The horizon  
can be provisionally called the  
Stromatopora beds.

" 10 Set up the Museum fossils  
trilobites.

- May 11 Set up the Museum fossil  
crinoids and fishes.
- " 12 Set up Lucas exhibit.
- " 13 Set up coin exhibit and  
assisted Benedict.
- " 14 Set up library exhibit.
- " 15 Called on Prof. Safford  
and adjusted a few things in  
the <sup>9<sup>th</sup> of Oct.</sup> Museum exhibit. In the

Loc. ① afternoon collected fossils near  
Reservoir here <sup>or</sup> on the hill just  
north <sup>west</sup> of it. On the north-  
east side of the hill near  
the top is a small quarry  
exposing beds with Cyrtodonta  
linneri. Beneath  
this bed is a thick bedded  
blue limestone with large  
Spirifer's. A little  
to the west of this quarry  
and probably lower.

Loc. ② 20 feet lower are other  
gyrains the top of which expose  
the bed with numerous Tetra-  
dyma some Stromatopora and  
Colonyaria. The brachiopods  
of the higher level are quite rare  
here. Most of the fossils are  
poor due to the weathering  
conditions of this bed.

May 16 Sunday

Looked around the Genesee trail  
jungle to the west of Nashville  
in the morning. Collected one trilobite  
from rocks used in the Post  
Hall - probably *Orizania*.

In the afternoon went a resort  
called Sandale to the south  
of Nashville. Collected a few  
*Orizania*.

May 17. Spent the morning with  
Lafford in securing the  
Zooey Stoddard's localities.  
In the afternoon collected  
around Reservoir Hill. First  
at the base of the hill along  
the bludge car track. It is  
roughly marked called the  
Columbian horizon. It cannot  
be much lower than the  
Tetradium horizon probably  
not exceeding 20 feet.

Then collected a few by zone  
from a street running to the  
south side of the reservoir.

May 18 Spent an hour on the river bank  
between the two bridges and found  
a few ostracods.

Then collected on Macintosh Hill.  
The following is a section,

North

Road

dip north-west.  
Great or north  
The angle is somewhat  
less than here shown.

Praxis show on  
Praxis Test:

Ostrichoides horizon  
Johns River  
① Speckled limestone

Robertson's horizon  
upper horizon

South

1/2 mi. to  
N. 1/2 mi.

Note. At West Side Park in a  
west-cutting there is exposed the  
same ~~shale~~ yellowish-white soft  
limestone, almost a shale having the  
same fossils as in the basal layers  
of the section of the previous page.  
Immediately above these beds  
at West Side Park occur the  
Stromatopora bed and although  
I do not remember seeing any of  
these fossils on Capitol Hill yet  
I believe both to be the same horizon.

Beneath these soft limestones  
at West Side Park is the lowest  
adjacent field one can gather  
numerous P. inebriatus and  
small P. bipolus, and rarely even  
O. brevis. These are then the  
undoubted Trenton beds while are  
above, which Lafford has called  
the Capitol Hill limestone, are

The transition belongs to the Cincinnati. If this is true one should expect that some of the Capital Hill limestone layers should also occur in the mine quarry horizons about Cincinnati.

May 19 Packed two boxes and shipped by freight. Then went to Exposition and adj. just of various labels. At 4 P. M. left for Camden arriving there 7.30.

May 20 Collected all day in the Camden chert just on the outside north of the village. To the west of the village I could secure little. This chert bed appears to be from 15 to 25 feet thick and is

overlain by a chert bed  
about 6 or 7 feet thick which  
is grey blue when unweathered  
but appears to be quite grey  
when unweathered. Is it the  
Black Shale a limestone.

The top of the shale has a  
thin band of limonite ore  
(2 inches) and on the top  
follows loose sand beds.

They can be said to  
that the Canada chert is true  
Oquirrh since most all of  
the characteristic blue fossil  
forms are rare or are  
represented by chert related  
forms. The fossils typical of  
mass are *Spidifer* *ambros*  
and *Ericocrinus*,

May 21. Started out from Camden to find Safford's Lower Helderberg locality on the Birdsong. "Halls Landing" is near Rockport and "Mathis" is 8 or 9 miles from Halls Land. is not on the Birdsong but on Wolf Creek. After considerable driving over very bad roads on the Alleghens group at 2 P.M. found the Lower Helderberg outcrop. While I collected a bag of fossils I am disappointed since the bulk of the bag contains Bryozoa. Brachiopods are scarce and nearly all are poor.

This locality is near Chaseville on Wolf Creek up the stream from the wagon road going from Chaseville to Holliday. About half a mile upstream is a quarry of rock from the road.

The black upper loc. is on the Birdsong. Road about 1/2 mile S.W. of this ford which is 8 mi. south of Camden.

The dip of the strata is marked <sup>in one place</sup> and the formation maybe from 20 to 25 feet thick overlain by the Camden chert. The latter cannot be seen except by the margin of the chert on the hill-sides.

At Allens mill on the Birdsong occurs an exposure of Meniscus limestone followed by Lower Federburg. I saw a few *Orthis* and secured two specimens and some fragments of that peculiar bulb crinoidal root. That the Meniscus limestone also occurs here is shown by the presence of *Astraeospira*.

On Wolf Creek the Lower Federburg is mainly a shale with a few thin beds of limestone. One portion has considerable limestone in it.

has nearly all the corals, excepting  
Saprentis.  
Slept at Holiday town.

May 22 Started out for Camden and  
between the fourth and fifth mile  
N.E. of Holiday along side the  
road found two excellent exposures  
of Lower Indebury. Probably 35  
feet are here exposed. The Brach-  
iopora are here more numerous,  
but <sup>not</sup> as abundant as I had expected.

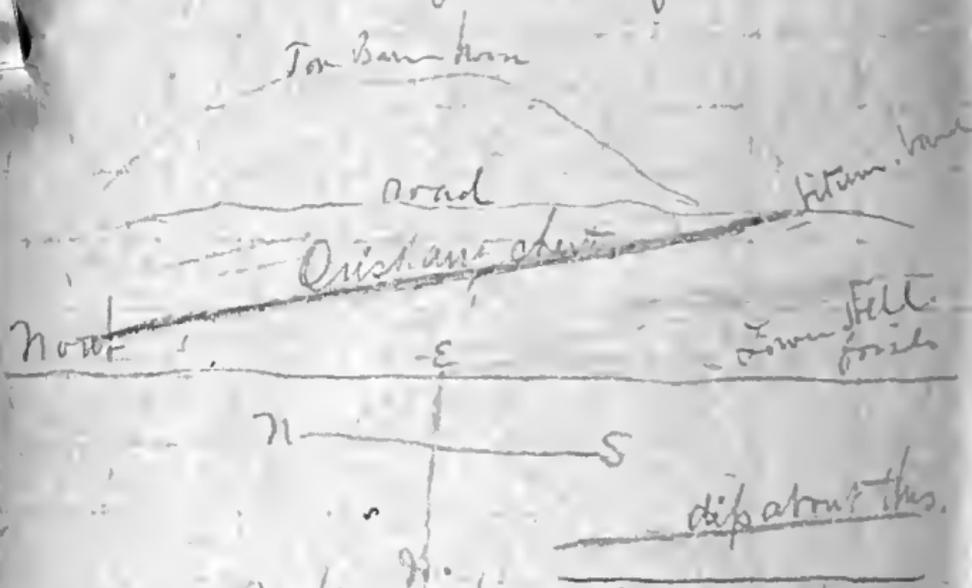
The corals or Michelina and  
Favosites are most abundant in  
the lowest layer where the Bryozoa  
are practically absent. The Phacops  
came from the upper portion.

Shipped three small boxes by  
freight from Camden. C. N. & S. L.  
R. R.

May 23 Left Camden at 7:30 Am  
for Big Sandy arriving there 9:15.  
By carriage.

May 24 Six miles south of Big Sandy  
at Tom Barnes house in Lower  
about ten feet of Lower Helderberg  
overlain by Oniskany.

Tom Barnes house



In places here the Lower Helderberg  
top is eroded and intermisses with  
Oniskany chert and overlain by a  
black bituminous band 2 or 3

feet thick in which are numerous  
pieces of <sup>recent</sup> wood, a miniature birch  
forest. The Oskana is blue  
does not apparently exist on the  
spot but must be close by in place.  
The black band passes over into a  
blue sand band probably not less  
than ten feet thick. This may be  
a Big Sandy glacial period deposit.

The Oskana formation is well  
shown in a small quarry to the west  
of Big Sandy. It appears to have the  
same thickness here as it can be  
about 20 feet. The *Spirifer* and  
*Ectoceras* are common as in the  
at Camden. The *Luella* is  
seen many times along with <sup>most frequent</sup> the  
Camden road for six miles south  
of Big Sandy.

May 21 - Drove 14 miles north to John  
Williams mill locality. There  
at a bridge crossing the Big  
Sandy over Cecil County Co.  
The exposure however is on the  
Benton side. Secured quite a lot  
of fossils.

The exposure is about 30 feet  
and is all a blue shale. It is  
the *Belthysari* shale, as exposed  
in New York. The lower layers  
had mainly *Atrypa reticularis*  
followed by *Amastrophis* beds and  
then the *Cuthen* beds. It is in the  
center of the *Cuthen* beds that the  
*Cuth. str.* are seen. The *Phacops*  
are found here in the *Amastrophis*  
horizon wherever and also the  
*Spirifer*.

It is my belief that the  
Alle. miller beds are below

and that these <sup>beds</sup> near Hollands  
are nearly all above those at the  
bridge. If that is true the  
Lower Fiddisburg in Benton Co.  
cannot be less than 75 feet thick.  
It passes from the Meniscus limestone  
to a blue shale and then towards  
the top the bed of limestone are  
again introduced.

A boy, Art Lashlee, Paec  
Henry Co. Tenn. said he  
could collect shells at 80¢ per  
cigar box.

Mayer packed a box and shipped by  
Southern Express. Left for  
Camden at 8 A.M. <sup>left</sup>  
Camden for Nashville at  
3.30 P.M.

May 27 Spent the day at the  
Exposition. Nashville

May 28 at Las Casas in the Ridge  
limestone there is a Portorthis much  
like the one found in the gorge of  
the Bridge Ry.

~~AL zone from Brentwood~~

~~Fossils~~ (?) Henderson (fossil)  
Orange shale contains the  
cock-comb furoid and  
Spirifer Carteri. In sub-Carr  
part of St. Louis  
group. Rhynchonella etc.

Spirifer affinis etc. questions  
if it either Magana or St. L. The  
specimens are of the S. crispus group  
and have no real St. L.  
S. submellon. See St. L. vol  
affinis etc. are C, D, m.

Notes on the  
D. W. W. collection  
Band with St. L.

From "Jerome H. Hudsons - 5 mile  
south of Big Sandy Station, Benton Co  
Tenn." *Asaphus* loc. It has  
now a *Asaphus* which I do not  
appear to have. It is apparently  
much like *S. cyclopterus*. This  
loc. is now near my Tom Berns  
house.

✓ *Pteronotus ostromi* occur at Hudsons  
near Nashville Tenn.

✓ *Syringothyrus textiles* occur near  
Rogersville Tenn. (East)

✓ Near Holland (Dafford B) there  
is a *Pentamerus* much like *P.*  
*laequeatus*. The latter form almost  
certainly occurs "over the ridge  
south of Hudsons in Niagara 10-  
15 feet below Black shale?"

✓ *Eichwaldia* <sup>*reticulata*</sup> occur abundantly at  
Hudsons Tenn.

✓ *Orthis pissetica*, Poem also occur  
at Louisville and Dayton Ohio. In  
the subsoil.

Lafford have Lingule from the Blue  
shale at Lindley's mine which  
you would take a *L. media* but may  
be different. They at Eagle creek  
east of Ellipton the same form  
occur a little smaller and in  
association with *L. subrotunda*  
like *L. subrotunda*.

✓ *Ammonia* occur abundantly near  
Sparta Tenn.

✓ *Meristina nitida* & *M. maria*  
occur at Newson's.

### Localities.

*L. subrotunda* 3 miles below Beards-  
town on road to Lehighville.

*Meristina nitida* & *M. maria* on  
Hardin and Wayne fine shale  
by side of road leading.

from Reynoldson to Sawannah  
and on Flat Top creek a  
branch of Indian creek.

Calceola, Salicorina etc  
occur here.

5 miles from Clifton on Egg  
Route is a small branch within  
a short distance of Hardens Creek  
Col. Jim Smith's 9 miles from  
Tavannah on the Reynoldson  
road. Most fossils on Bone  
Fork of Turkey. Lower part of  
the valley furnish the fossils.

Did some work for Cox in the  
afternoon.

May 29 Left Nashville for Cincinnati  
7.10 A.M.

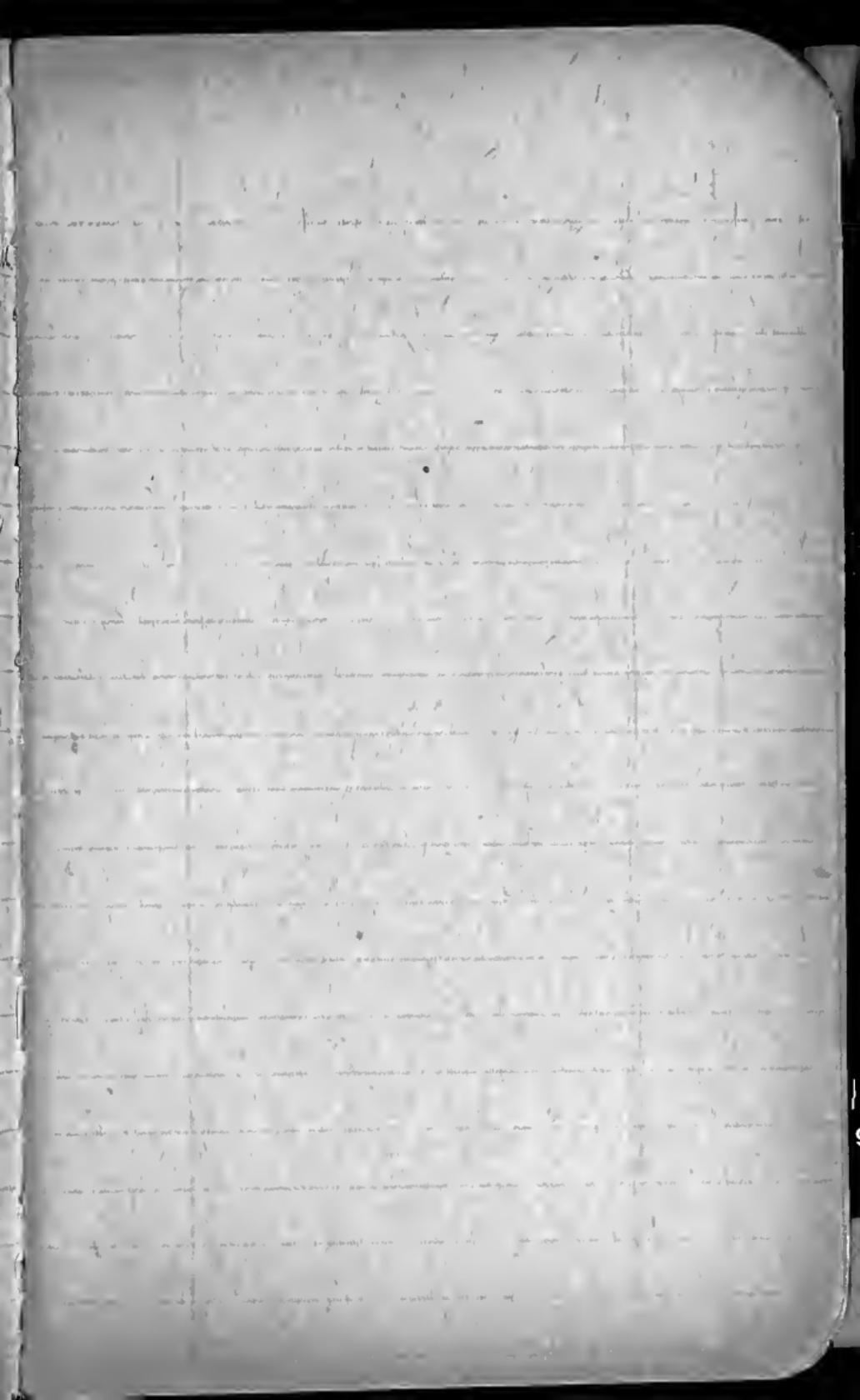
30 Spent the day at home

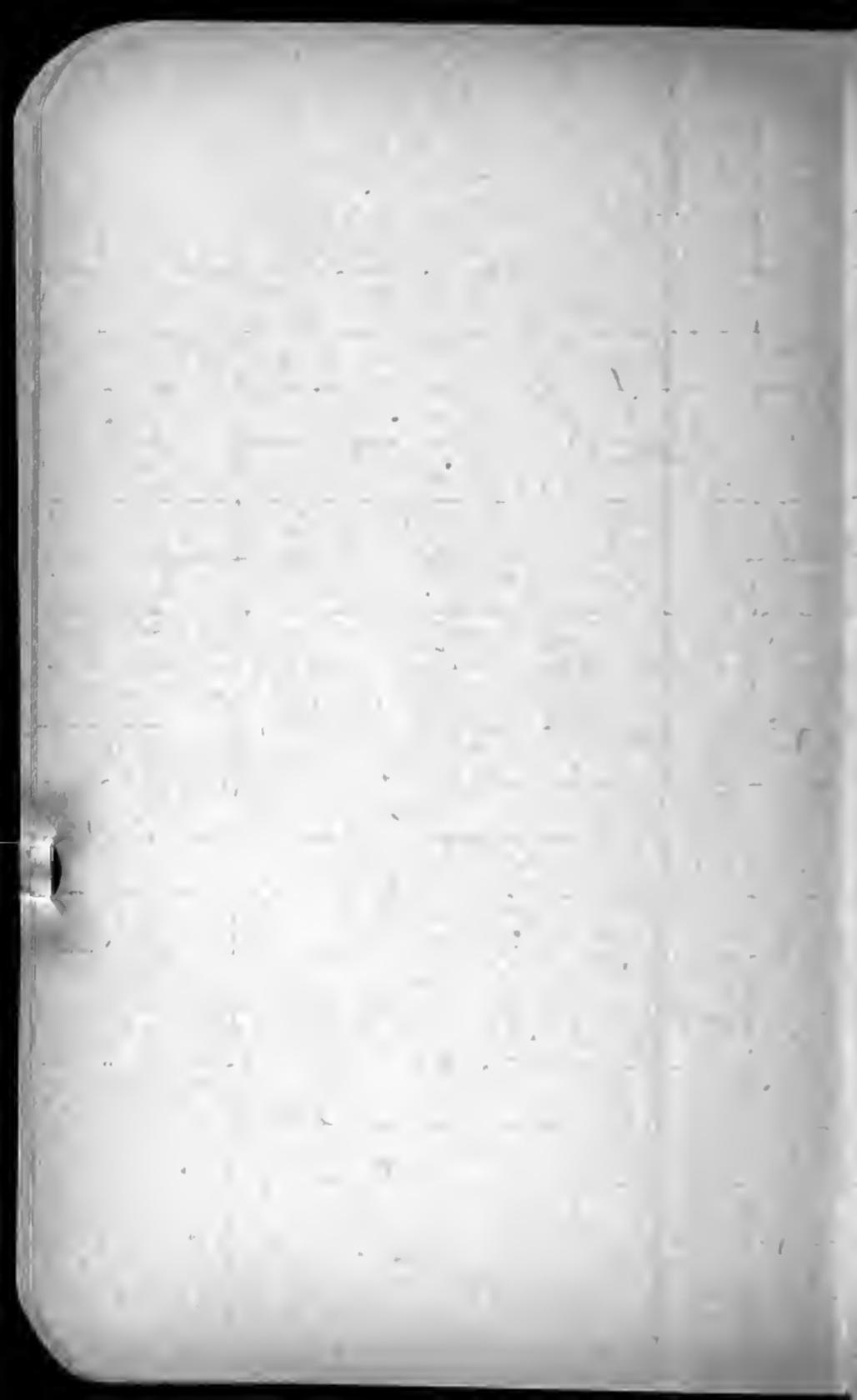
1897

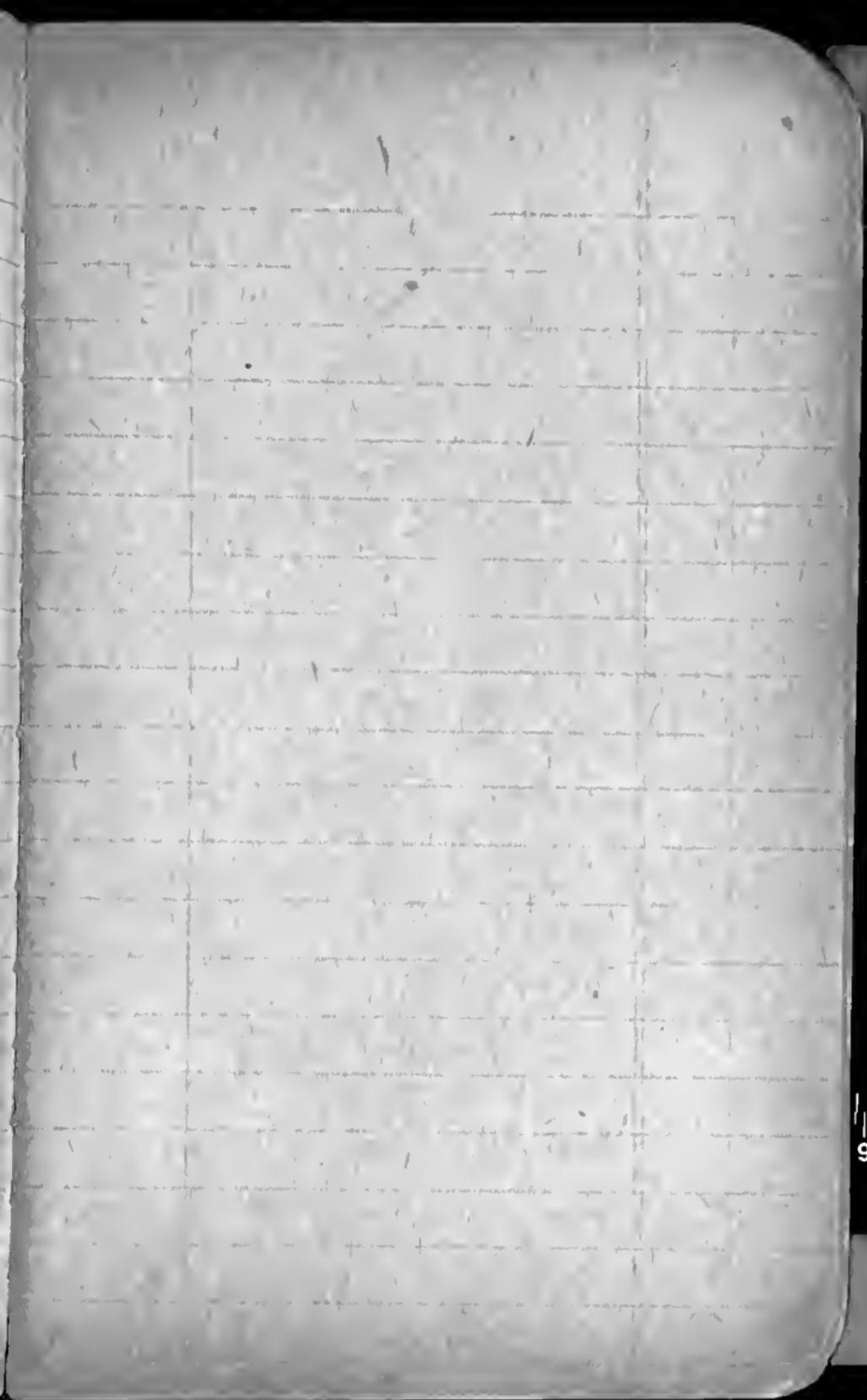
May 31 Spent the forenoon in Centre  
and the afternoon at Deepwell  
O. Stopped with Ulrich at  
night.

June 1 Stopped with Ulrich in the  
morning and the evening at  
home.

June 2 Left Newport for Washington  
at 72.15 P. M.







Preparations for Greenland

With Helppin June 24 - 1897  
Philadelphia.

Kandacek.

Imray Miller and Arctic Brier &  
Cin. buy for money.

Take artificial fuel.

Take a tent.

Sailors dublets at fisher-  
ston.

Rubber boots

Hudson Bay stockings

Daniel Brobury. Godhavn  
a fine man.

Muscotai nutty.

Food. Condensed pea soup.

(Norr Bay) Koppó. 20 pounds. 15/

F. H. Legged. Ayt. City

Canal Ments ~~Condensed~~

Peach & Pear.

~~Butter~~ Beef Tea com  
Mascos

2 little bottles. Tasty little  
bottle with nut-like Libby.

Jansons underwear.

Cotton stockings. Rubber  
boots. Hudson Bay stock  
in the night.

Waters full light for  
the vessel.

Rubber coat.

Ask Peary about fire  
cooking.

At Sodhavn get at least <sup>summit</sup> boots,  
fur lined seal boots for  
camping. Also use the  
by books, both together.

Old clothes for the men  
left hand. and beads for men  
Pak knife, looking glass.

Film Kodak. Sub  
Eastman frame with first film.  
4x5. Day light loader. \$25.

Alpenstock. with a  
point and axe. Crupper  
also for feet.

Gun for bird.

Brandy. Porous plaster.  
2 Tins. Powders for diet.  
Blood glass for ice cap and  
nails.

Warm ~~with~~ wooly glove.  
A black leather sailors  
top. A rubber shoe.  
Small opera glass.

28-30° to 40. In the  
sun to 70-80. Temp

the at 30 feet like 40 hrs.  
Ask Perry about tent for six men

~~2 Sweaters~~

~~1 blanket.~~

~~at side of underwear.~~

~~1 Heavy knickerbocker <sup>2 p.</sup> golf stock.~~

~~1 Pair Pull ship boots.~~

~~cross or button boots~~

~~other socks.~~

~~1 Light rubber coat.~~

~~1 Heavy one coat.~~

~~Espresso boots~~

~~Hudson Bay stockings~~

~~1 quart of Peas.~~

~~closed glasses.~~

~~2 pair warm work gloves.~~

~~Shawl hat~~

~~Roll paper.~~

~~Roll blanket~~

~~3 pair <sup>and</sup> of blankets.  
mosquito netting  
1 sheet hat.~~

~~arrangement for hat mosquito net.~~

- ~~2 Hammocks, for Schuchert~~
- ~~2 Hatchets, for both.~~
- ~~2 Picks for both.~~
- ~~1 Shovel " "~~
- ~~1 Crow bar?~~

---

5 Indian & 3 men. 6 men.  
Pary recommends  
Coffee, sugar, snuff, ships  
tobacco. 10 rectangular sealed  
tins. 50 pounds each for brass.  
Baker's Beans, brown rice, breakfast  
beans, Canned fruit, Canned stews  
tomatoes. Now Condensed pea  
soup in cans.

doubt much

2 or 3 coal oil stoves. 20 gal.  
food. kind matches Danish.  
2 tents.

Sheet lead and packing and  
tools for repairing.

Small skiff for two men to get  
about.

Porter 7 to 10

Witchers 4-6

Parkers House

Chief of Construction

Constructor Philp Highborn

28ft wheel boat. sail and oars.

Provincetown.

Providence, take steamer  
take afternoon train and  
steamer return the next day  
J. R. R. ~~to~~ King, Cloth  
Shoe. Geo. O. Knicker.

Miss Bedford

Mrs Lewis

ask for a letter to his people.

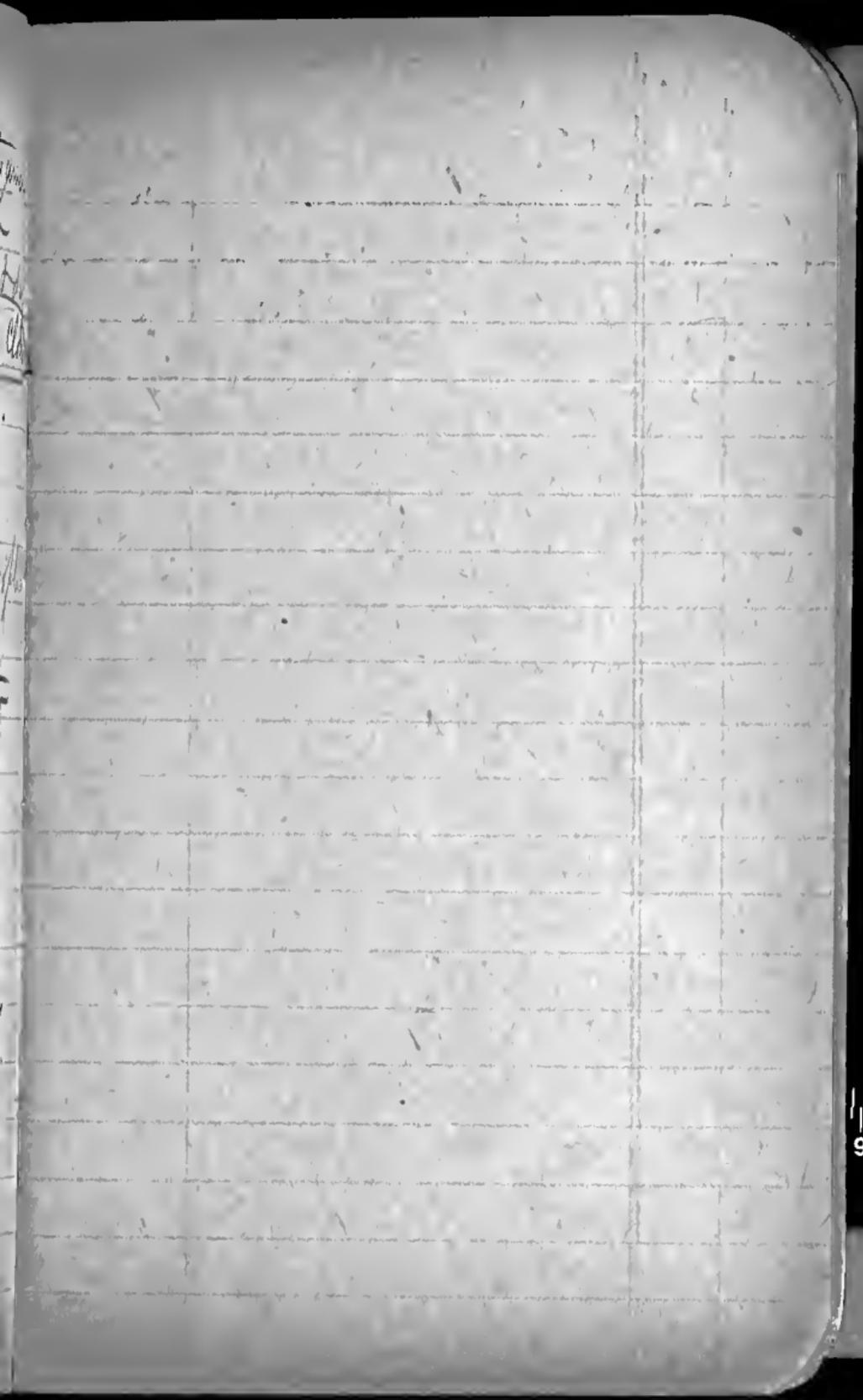
Steamer Longfellow from to  
Provincetown.

W. S. Comstock

Erneston Ill.

1326 Ridge St.

Two tickets to Boston by July 8th.



~~See of your eye for Harm  
Vol 3 of the West-Min Rf.  
See Inch of it  
[unclear]~~

~~See Alloch in Boltonus.  
[unclear] Samales.  
Enflaura lyrica  
[unclear] comped.~~

~~Poothoutin clute in dy! Lidge is  
lapp Phenomena Redyan  
with doubt,~~

~~See about Pun shonella no not  
is the plan a  
is not a eye for R  
is not is~~

Museum notes

Ask Mass for label  
for *Domestica* wands. If  
left hand side, *Long*  
shape.

~~Ask Time for locality for  
for *Domestica* case.~~

~~Time specimen *Lemna*  
label.~~

~~Time in *Lemna* and *Domestica*  
Australis skeleton.~~

~~George Mequert label.~~

~~Case in *Lemna*.~~

U. S. N. M. Expense acct.  
Nashville to —

May 19	2 Boxes packing paper	✓	25
" 19	Hauling boxes to dep.	✓	35
" 19	R. R. Ticket	✓	20
" 19	Lippen at travel	✓	50
" 22	Hotel at Holliday	✓	125
" 22	Box	✓	25
" 22	3 boxes	✓	15
" 21-22	Buggy and horse for 2 days	✓	300
" 23	Hotel at Camden Tenn.	✓	500
	{ The Hollidays acct is added to this } on the receipt		
" 23	Transportation Camden to		
	By Sandy (Daunders)	✓	150
" 26	1 Box	✓	10
" 26	Hotel at By Sandy	✓	300
" 26	Buggy to Williams (Miss)		
	and to Camden	✓	450
" 26	Dinner at Camden	✓	50
" 26	Camden to Nashville	✓	260
" 26	Lippen	✓	50
" 27	Breakf. 50 Lunch 25 Din 50	✓	125
" 27	Street car	✓	10
			575

27 25

- 28 Bread <sup>10</sup> Lunch <sup>25</sup> din <sup>50</sup> ✓ 125
- 28 Street-car ✓ 10
- 29 Breakfast in Nashville ✓ 50
- 29 Portage down eye ✓ 10
- 29 Dinner in Louisville ✓ 50
- 31 To Nashville & Ret. 2 70
- 31 Dinner at Cin. ✓ 50
- 31 Supper at Cin. 25
- near 2 sleeper to Wash. ✓ 3 00
- 2 Dinner on cars ✓ 1 00

Amount of Expedition acct of 45.70  
 First bill, 34.40. Sec. bill 18.30

Amount of Museum bill. 26.05

Lower Heldeberg loc.

Big Sandy Station, Benton Co.

Along the banks of the Big Sandy river from 3 to 5 miles south. It is in this river that Williams' Mills used to be. About three miles south of Big Sandy Pass. Safford says contact can be seen between the L. Heldeberg and Cincinnatian.

Camden, Benton Co.

See for the Camden chert on way on road going north-west from the village. Also along the rail road track. Report on the Cincinnatian to Safford.

Birdsong Creek, Benton Co.

Near Mathis, 8 or 9 miles from Halls Landing on the waters of the Birdsong L. Heldeberg is to be had.

50 feet of L. Heldeberg.

Perryville Decatur Co

The best glades are to the south  
west of the village. Roemer collects  
between Perryville and Brownsport  
in the glades.

Also collect along the rail road  
westward of Perryville Tenn.

Holliday owns Mathis  
falls Landing - Brownsport  
Brownsport and Colburn right  
hand road 1. Lipphead

Nashville Loc.

Out on a dummy line (2. elect. road) to the end near the river, within 100 yards of the river. Cuts along the line towards its end. Both *limbocis* and new *lygus* occur here. Also *sp.* *O. bifurcata*, *O. sinuata*.

~~John Meisner~~  
~~Richmond Ind.~~  
~~Car Test Book Co. Mills.~~

American

Which Bryozoa Synoptical  
dictum. For sale, his prices

200 species, 100 genera  
about 500 specimens  
for \$160. Also about  
100 slides.

also about 700 species,  
120 genera with specimens  
from all the known localities  
at \$500.

~~Columbia Black indelible  
Drawing Ink. Kauffel and  
Essel Co. New York. Made in  
Germany~~

1894

Sept. 11	Cento to Moreland (2)	7.00
" 13	Mrs. R. Peyton	5.50
" 13	Moreland to	
	Danville @ 30	60
" 14	Clemens House	2.00
" 14	Danville to Burgin (2)	50
" 14	Burgin Hotel	1.00
" 14	Burgin to Civ.	6.50
		<hr/>
		23.70

1895

Mar. 5	Lab to Detroit	50
" 5-6	Lincoln, breakfast exp.	1.95
" 6-19	Tullane Hotel	26.00
" 6-19	11 street car to, under 10	1.10
" 6-19	11 lunch w/ g under 35	3.85
" 9-16	2 dinner	50
		<hr/>
		32.40
	Ten. Cent.	

May 1897.

5	Cat to depot	50
5	Dinner on cars	1 00
	Supper at Louisville	50
	Breakfast	45
	Care	10
7	Admission to ground	50
7	Lunch in Romans build	50
7	Supper at Richmond	50
8	Breakfast	50
	Lunch in Romans build	45
8	Care fare top in car	10
8	Supper	50
9	Breakfast & supper	1 50
10	Breakfast & supper	1 00
10	Lunch at Exposition	40
10	Street car	10
11	Meals	1 50
12	Meals	1 50
13	"	1 50
13	Street car for 3 days	30

~~From Halls (Tenn. Riv.)~~  
~~Near Madsen 8 or 9 miles~~  
~~From Halls - on the waters of~~  
~~the Birdsong in Benton Co.~~

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Big pyritiferous Crinoid in  
Chert near Camden on  
major road going n.w. in the  
valley. The same also occurs  
on R.R.

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Three mile south on road to  
Williams mill the in bluff ex-  
posing the Crinoid as a. H. Look  
for the chert at both Big Sandy  
and Camden if a report to  
Lafayette.

1894

Wash to Phil	4 00
Phil. to Warren Sep 4	9 25
Sleeper	2 00
Warren to Cleveland	4 72
Room at Phil.	3 00
Break at " 4 <sup>th</sup> Sep.	4 70
Cleveland to Canton	1 75
Cleveland Hotel	1 50
Canton to Cin.	6 50
Cin. to Wash.	17 00
Clothing	12 25
Porter	29 25
Y. Trip	23 70
	<hr/>
	111 62

Lectures fees paid.

152 M. 41 st.

Cor. Vincent and  
Academy Ave.

Sit floor at Beach Ave.  
Go up one square and turn  
to the right. (Cheapest house  
to come.)

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975 Signorine Petite  
histoire amusante.

E. I. Photo. Beecher piece.

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Barton.

3m. from Beardstown Tenn Niagara  
Newsons. In on the ridge south  
Newsons. Niagara rock for  
Big Sandy station 5m south of it.



