

5 cm 6  
7  
8  
9  
10  
11  
12  
13  
14

Ohio 1888. ✓

8060

doc. 71

[ Charles Schuchert  
Peabody Mus.  
Yale Univ. ]



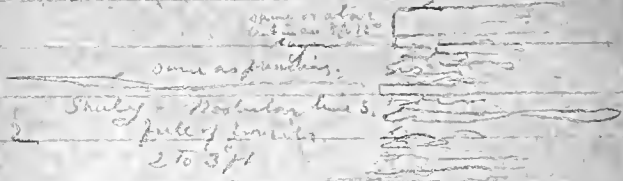
19-20 ~~19-20~~ ~~19-20~~  
Found our entire ~~course~~ of ~~excursion~~  
quite ~~different~~ ~~from~~ the ~~usual~~ ~~type~~  
of the ~~local~~ ~~theatre~~ ~~theatre~~  
The ~~excursion~~ were quite abundant  
as ~~the~~ ~~excursion~~ ~~was~~ ~~very~~ ~~high~~ ~~in~~  
is a ~~very~~ ~~high~~ ~~in~~ ~~the~~ ~~excursion~~  
took ~~off~~ ~~at~~ ~~the~~ ~~excursion~~ ~~theatre~~  
theatre ~~theatre~~ ~~theatre~~ ~~theatre~~

June 6.  
Left the ~~excursion~~ at ~~theatre~~ ~~theatre~~  
but ~~found~~ ~~very~~ ~~little~~ ~~of~~ ~~the~~ ~~excursion~~  
mineral. Then ~~at~~ ~~the~~ ~~excursion~~ ~~theatre~~  
quarry and found the ~~excursion~~ ~~theatre~~  
ground to ~~be~~ ~~very~~ ~~rich~~ ~~in~~ ~~the~~ ~~excursion~~  
shale ~~has~~ ~~been~~ ~~thrown~~ ~~out~~ ~~of~~ ~~the~~ ~~excursion~~  
has ~~been~~ ~~thrown~~ ~~out~~ ~~of~~ ~~the~~ ~~excursion~~  
good ~~excursion~~ ~~theatre~~ ~~theatre~~  
I ~~am~~ ~~not~~ ~~sure~~ ~~of~~ ~~the~~ ~~excursion~~  
I ~~am~~ ~~not~~ ~~sure~~ ~~of~~ ~~the~~ ~~excursion~~  
I ~~am~~ ~~not~~ ~~sure~~ ~~of~~ ~~the~~ ~~excursion~~

Schwartzburg quarry in the  
 vicinity of Euba. This sketch is by  
 Ulrich

3

Sandy indurated  
 shales of bluish  
 color. Fractured  
 in places

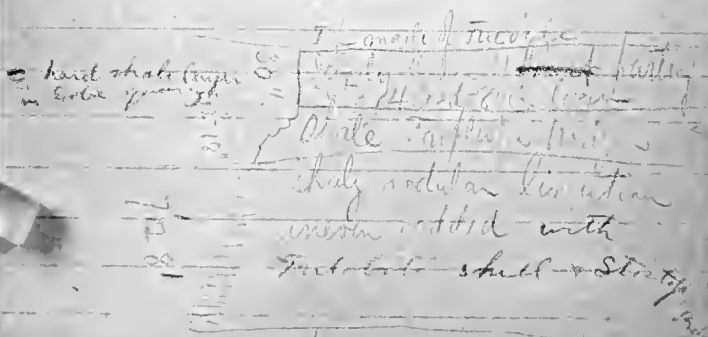


Thin shale with  
 (undulating breaks)

Quartz

Section - some of the northern  
one.

## Triller



Heavy bedded same as 1101  
in the quarry.

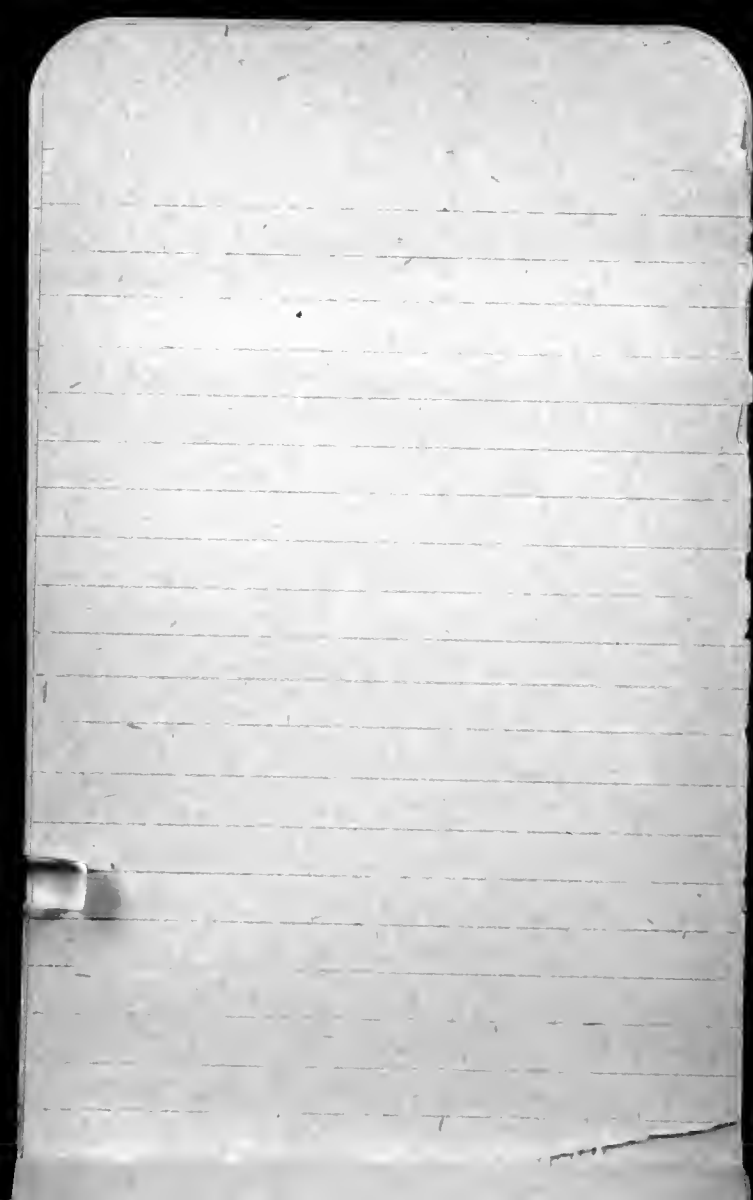
Triller



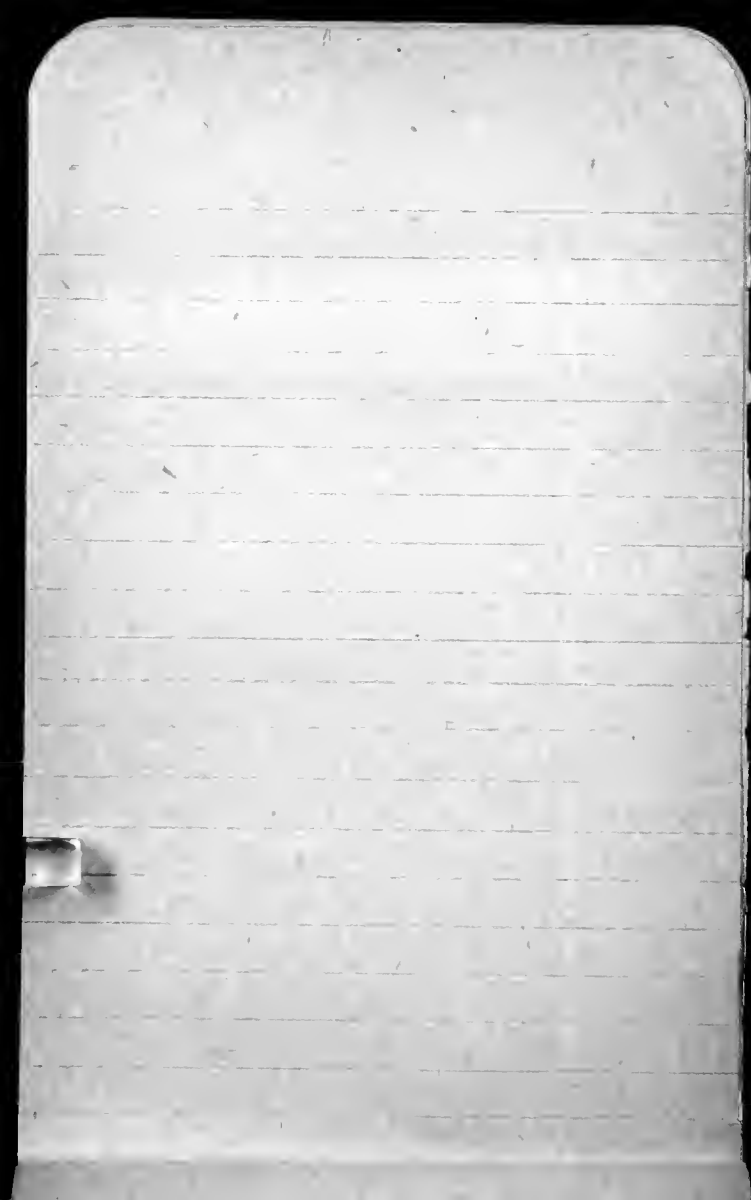
From the "Cottin" quarry we have a  
piece of the red limestone and was  
very abundant with one of the S. very rare



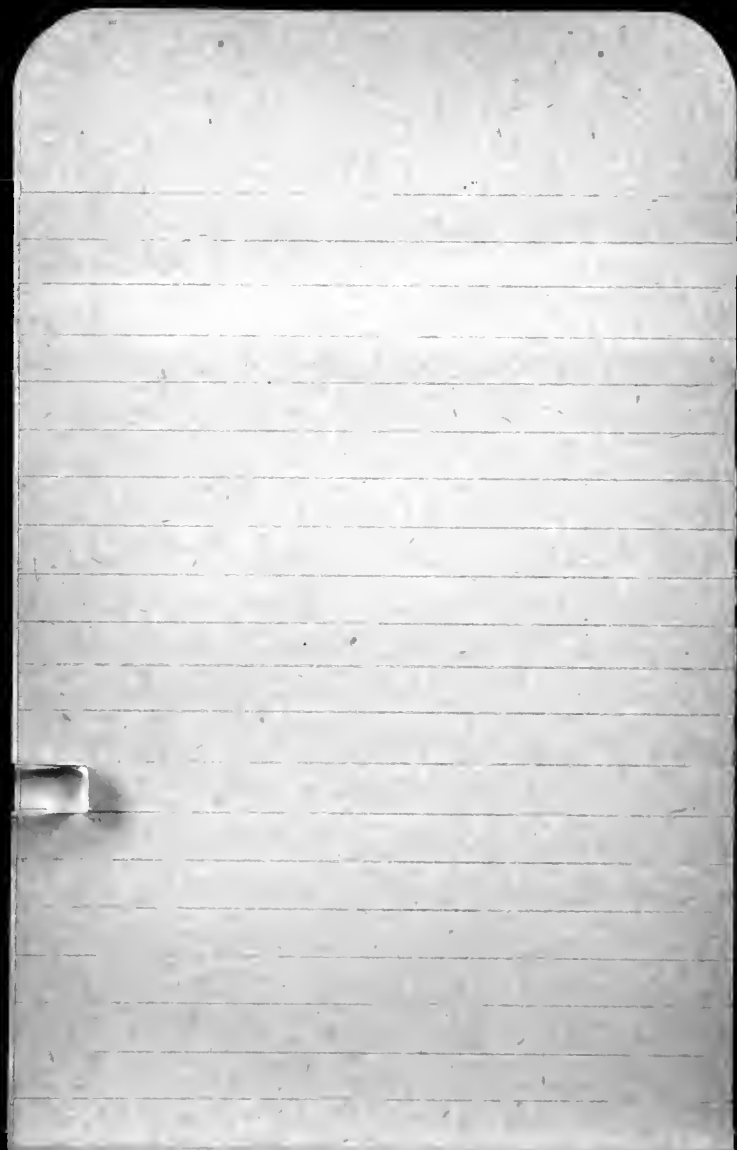




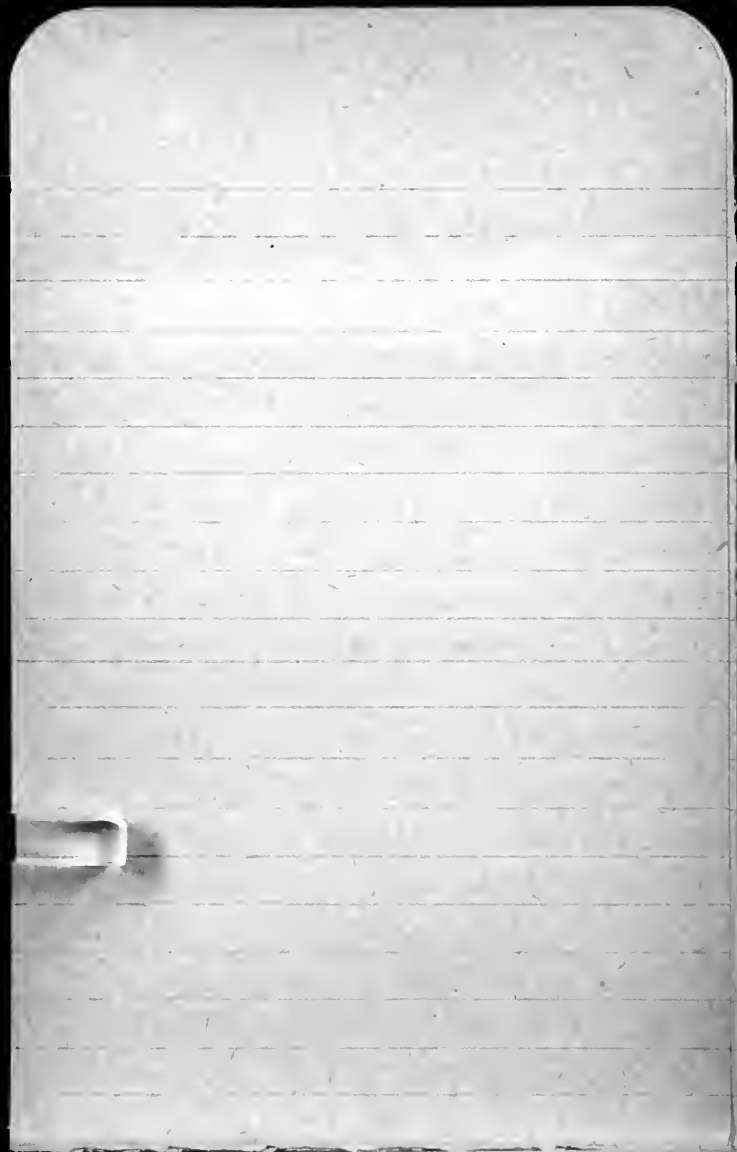








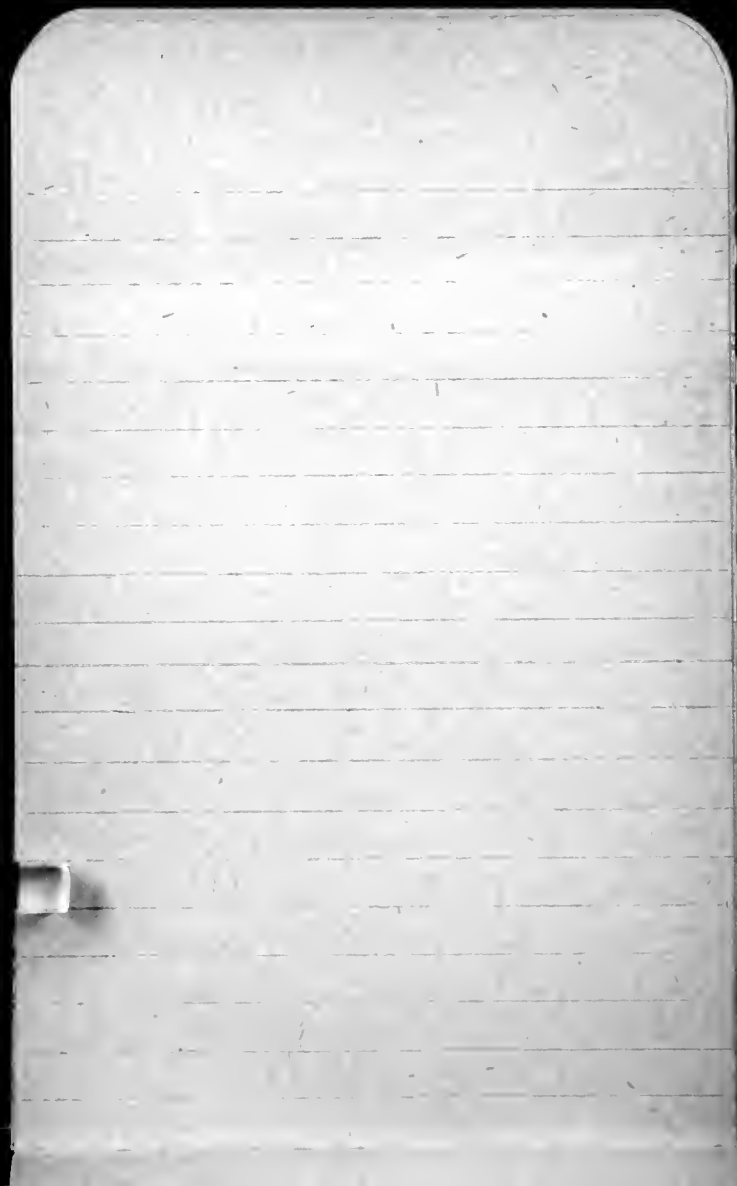






Collected some *Lig. laevis*  
this one in the morning, it then  
broke the box and died.  
Balance of day spent in looking  
up fossils.  
Reach Cleveland 6:50 P.M.

June 12  
In morning with B. J. &  
collected at Oil field, 12 miles  
west on Pittsburgh & R. The  
former were not very good  
and some of the shells  
and fossils were of a size of  
80 or 90 feet and at the same  
time the same on Rocky river  
near the same place. The  
fossil, just 7 1/2 inches thick  
below the surface as the  
one found. The vertical axis

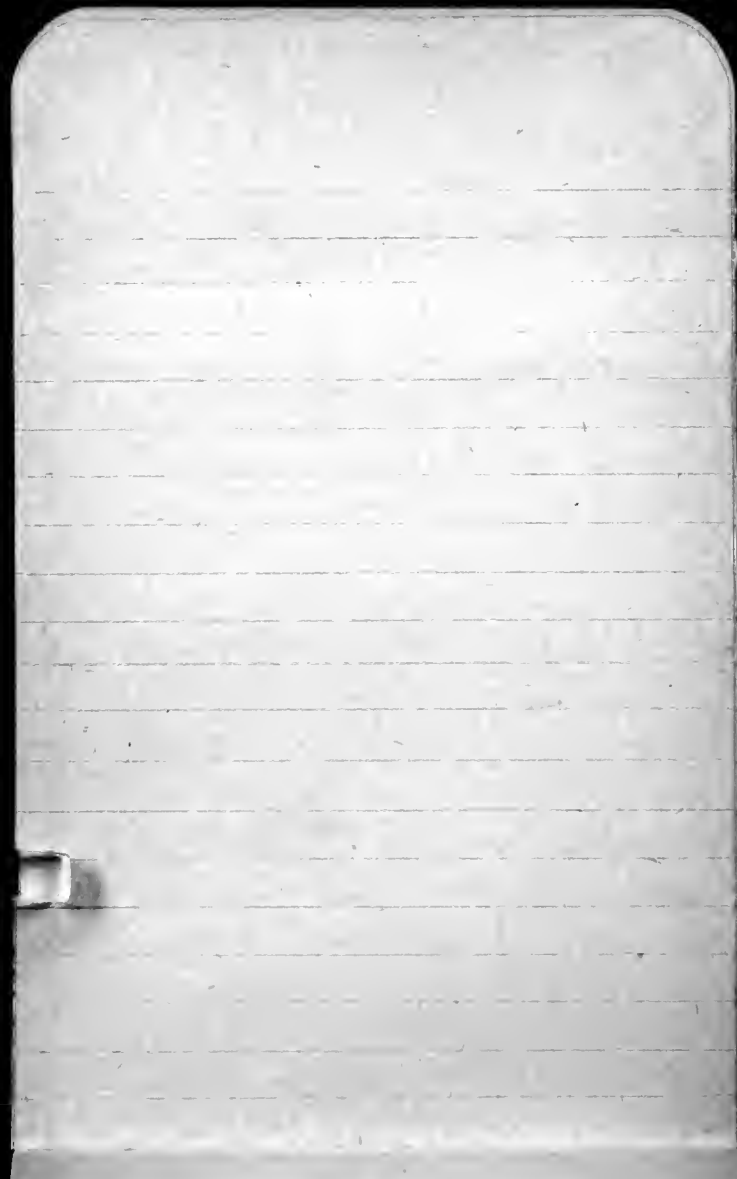


in the ... per shale or just at the  
junction of the ... whole.

The Cleveland shale are here  
of a ... of ...  
than ...  
20 ...

Then come the ...  
of ...  
of ...

...  
...  
...  
and get ...



June 13 Wednesday

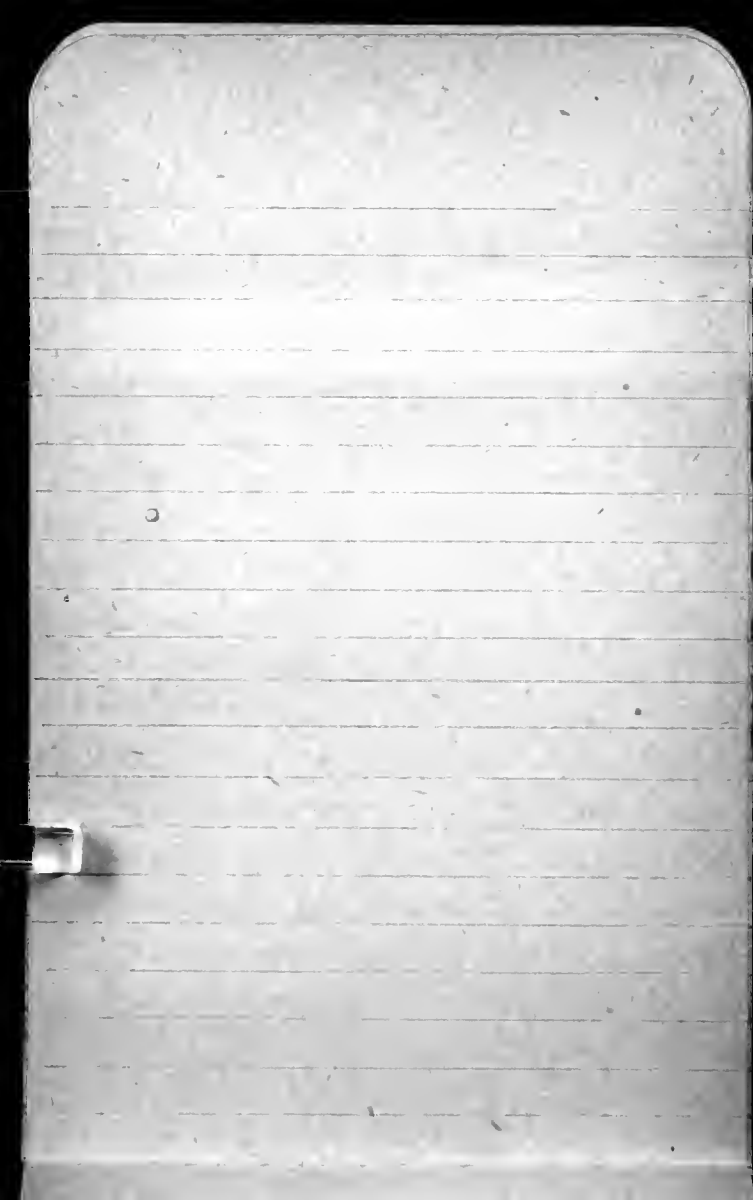
Tried all day to get some fish  
specimens in a creek six miles west  
of pt. island but it was a total failure.  
The first day of work with a gill net  
was a failure.

Ed & I went out to 'Census' to  
get specimens for the Exposition and  
packed a box weighing 105 lbs.

June 14

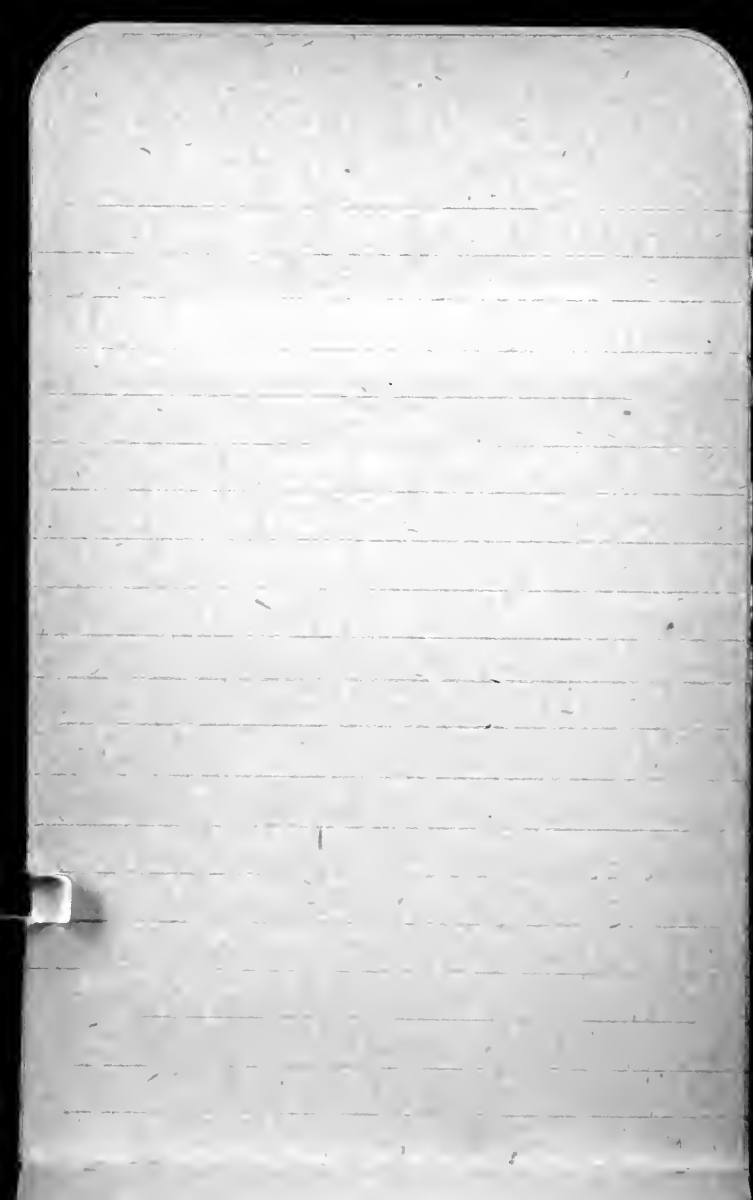
Started out to the 'Census' to get a  
train for Richfield but missed it and  
had to stay until 12:00 and  
did not get the one <sup>which</sup> I finally  
caught the second one.

At Peninsula we could not get  
out until 6<sup>20</sup>; saw some shale



on ~~the~~ western side of track  
which proved to be Erie shales.  
The specimens from the locality are  
in the bottom of box containing the  
Richfield fossils sent from this  
place. Sent to Richfield at 8<sup>00</sup>.

June 15  
Collected in the small run  
just north of the cemetery a tributary  
of Turnace Run. I was not  
deep in the blue limestone region  
but about 1/2 way out. After  
digging a hole about 5 ft square  
over some rock and to the depth of a  
single foot specimens. The upper  
part of the blue shale is in contact  
interstratified with beds of limestone  
some weathered red and very





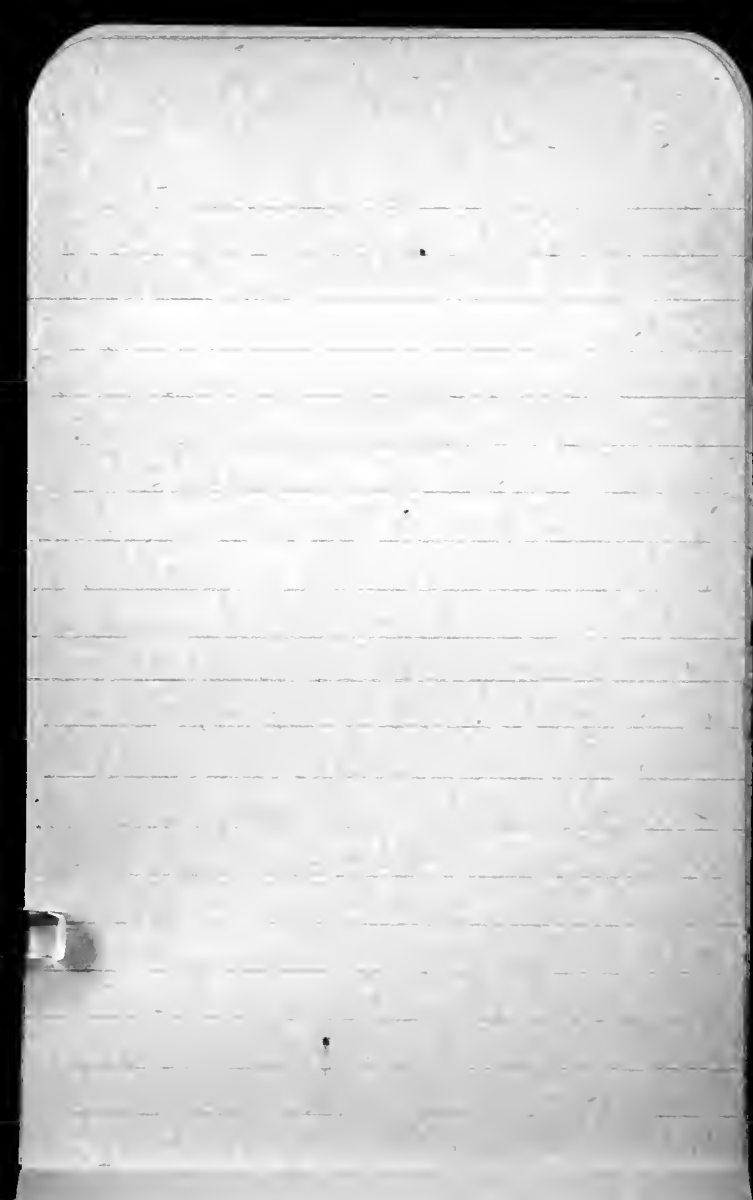
soft that hold on each a part  
and it is  
111

June 16  
Finished the  
trip to the  
to walk (through) to get into trail  
water. We passed over a small  
bridge and then we got some  
over a furnace run by kept along  
the road and was pretty two  
to some extent. The  
Fossil is full of in the stream  
Reached the end of trail at  
P.M.



June 17  
Returned to Cin. after  
resting the boys at Cleveland  
for 10 A.M. reaching Cin  
at 8<sup>15</sup> P.M.

June 18  
Started out at 6<sup>20</sup> for Blanchester  
and by 2 P.M. saw a boy  
with a small piece of shale  
and shale, which he had taken  
from the blue clay. The boys tell me  
the blue clay is a little bit  
fossiliferous. After a short rest  
for the boys, we went to the  
shale. The shale is a fine  
blue shale. There is a lot of  
fossils in the shale. The fossils  
are all small and are  
found in the shale.

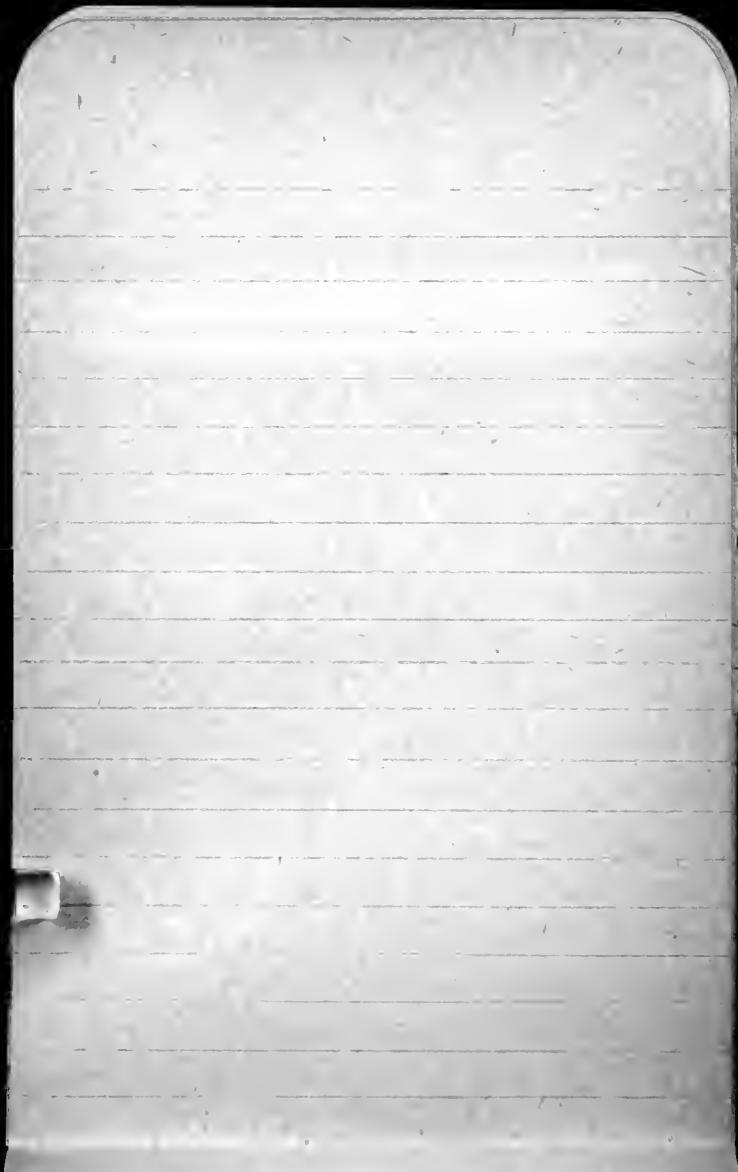


June 19

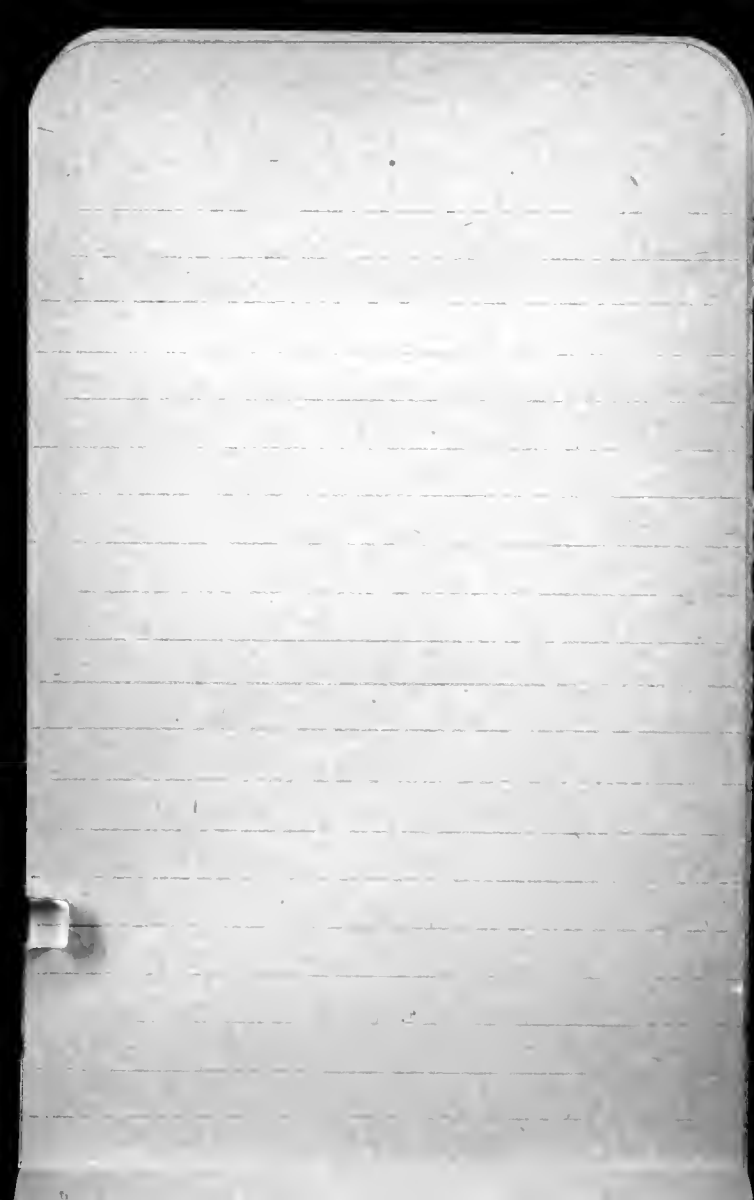
Started out [unclear] for the  
small ravine that Mr. Saylor  
mentioned. Found it [unclear] [unclear]  
shale at bottom, blue, then running  
into yellow shale and then yellow  
[unclear] [unclear] holding a [unclear]  
of blue [unclear] limestone much  
in appearance to the [unclear] [unclear]  
holding a [unclear] fossils [unclear] [unclear]  
I Pittman and [unclear] [unclear]?

There is a [unclear] [unclear] holding  
fossils [unclear] / I all in contact  
and [unclear] [unclear]

about [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear] [unclear] [unclear]









June 20

Looked up the suban-  
idand R.R. cut north of the  
Town of up in a few corals  
a close of in San Tilla

This San up San up San up  
and got up San up San up  
at San up San up San up

Looked up the suban-  
idand R.R. cut north of the  
Town of up in a few corals  
a close of in San Tilla

This San up San up San up  
and got up San up San up  
at San up San up San up



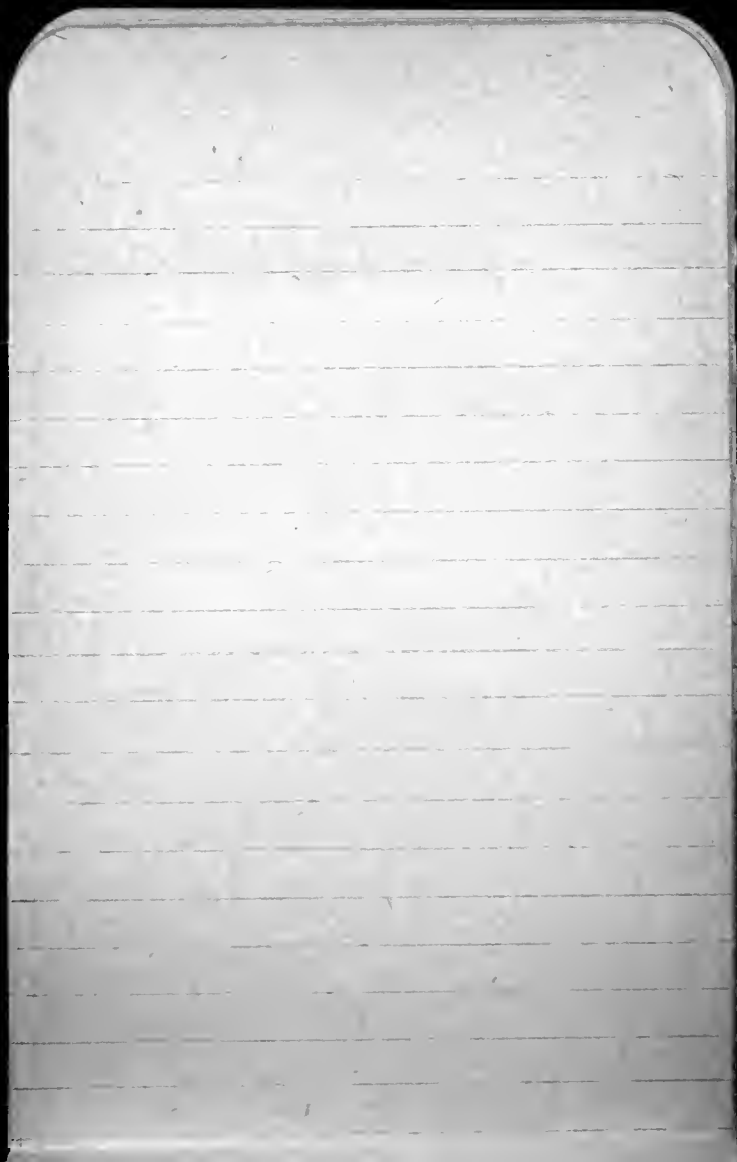
June 3<sup>rd</sup> Greenfield

Started out at 7:30 for Ruckers quarry over in Ross Co along Rt 100.

The quarry shows a layer of limestone 25 ft covered by 10 ft of soil. The top layer of limestone is all striated in a N. 25. E. direction.

The bottom layers of the quarry are very red and are full of thin, easily eroded. They are blackish red and about one half inch thick. The level is about 100 ft above the base of the quarry.

of the quarry is about 100 ft. Any layer of limestone is good as it holds a lot of iron. The level is about 100 ft above the base of the quarry. The level is about 100 ft above the base of the quarry. The level is about 100 ft above the base of the quarry.



Lime.

At the southern end of the quarry  
they encounter an extremely dense  
nodular mass of soft white  
through. There is another one still  
uncovered of about the same dimensions  
The strata all around the nodular  
mass is of a very thin nature in  
complete detail of a fine map. They  
include  $\Sigma$  itself in a number of  
anything approaching to a true  
be made of a very fine mass of the  
limestone which in all directions  
interpenetrated with a very  
bleed black crystals. A - a - a -  
dation of a very fine mass of  
and of a very fine mass of  
make for a fine mass of but for the  
clay or dirt of a very fine mass of  
which will not burn.



At another quarry a little further  
... they are ... These  
... which are very regular  
in about 1/2 in courses and very  
little marked up so that they are  
... the ... edges very  
small

By ... and ... of  
...  
Left ...  
may ...

Jan 10  
I looked up two ...  
in ... with ...  
but ... little in the way of  
fossil in fact but ...  
Character.

in the Bull de la Soc. Biol  
France, with a ~~description~~ <sup>of</sup> a ~~beak~~  
in *capabrata*. It is, however,  
seen numerous specimens with the beak  
entire and unperforate, as in the  
other ~~specimens~~.

(Bill shorter than *constricta*  
contained some *testudinata*),  
I recorded eleven specimens  
total.

was in the ~~...~~ in 1886 abundant ~~...~~ as  
defined in *testudinata* and  
*testudinata*  
of *testudinata*



June 23

Left on an early morning train  
for Sciotoville and found a  
considerable fossil mainly  
brachiopods. The fossils were  
mostly small and the beds  
were thin. Reached Sciotoville  
at 11:30 and found a good  
number of fossils in the  
beds.

June 24

Did not go to work. Still  
in Sciotoville. Found a  
number of fossils in the  
beds. The fossils were quite  
abundant. Left for York on a  
train.



June 25  
Boat could not get to Pomeroy  
and left us off at Point Pleasant.  
Got a train about 7:00 and  
stayed over at Cheine. In the  
afternoon I went for a long  
walk. Collected some  
things and put them in the  
bag. Leaving about nine  
P.M.

June 26  
Went to ... Ed looked  
... Slope of  
... triangles ...

must be retained on that group and  
cannot come to be referred to the  
other section of which I am in  
the title. This is a very, according  
to one opinion, can only hold, will in  
cases that be ~~referred to~~ ~~the~~  
specially confined to ~~the~~ ~~to~~ ~~them~~  
having the same ~~provision~~ ~~in~~  
in the ~~official~~ list, or ~~to~~ ~~be~~ ~~out~~  
one of them as to be, or ~~done~~ ~~in~~ ~~his~~  
disposition in such a manner as to  
include a term.

The ~~Case~~ ~~of~~ ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~  
the ~~Case~~ ~~of~~ ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~  
3. ~~can~~ ~~after~~ ~~the~~ ~~making~~ ~~of~~ ~~the~~ ~~same~~  
2. ~~Order~~ ~~of~~ ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~  
which ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~  
3. ~~cardinal~~ ~~area~~ ~~in~~ ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~  
3. ~~a~~ ~~large~~ ~~community~~ ~~of~~ ~~people~~ ~~in~~ ~~the~~ ~~same~~  
it ~~has~~ ~~the~~ ~~usual~~ ~~of~~ ~~the~~ ~~same~~ ~~in~~ ~~the~~ ~~same~~  
in ~~the~~ ~~same~~ ~~way~~ ~~as~~ ~~it~~ ~~is~~ ~~done~~ ~~in~~ ~~the~~ ~~same~~  
in ~~the~~ ~~same~~ ~~way~~ ~~as~~ ~~it~~ ~~is~~ ~~done~~ ~~in~~ ~~the~~ ~~same~~

June 27. Reached Albany  
 Rail about 10 o'clock. Boat  
 came along river 4 or 5 and  
 left for Cin. O

Section of well at Hillboro

Drift	6'
Niagara	50'
Niagara shale	65'
Wayton Stone	5'
Clinton	50'
Blue shale	10'
R. L. shale	20'
Blue shale	470'
Blue shale	368
Gray Limestone	20'
Brown shale	166'
Salina Trenton	40
Blue shale	5
Trenton	

The well was sunk to the depth of 1700  
 at about 1680 they struck blue limestone  
 the first depth. The water was

*Tumida*, *Halomae*, and *T. herculea*  
*Sarrande*. In that year Mr. Davidson  
 divided it into two smaller genera,  
 conferring the name *Atypus* to that  
 section for which it was deemed appropriate,  
 viz. *A. tumida* or *herculea* for the  
 type, and adding *Spinifera*, all the  
 forms other than *T. concentrica*. It  
 was ~~not~~ found that *Atypus*,  
 as then restricted, included two genera,  
 and in consequence it has been  
 as now divided for separation all those  
 types to *T. herculea* under the  
 grade of *herculea*, a name which does  
 not affect ~~the~~ *herculea* ~~group~~.  
 In some instances there is a ~~peculiar~~  
~~tion~~ which ~~is~~ ~~not~~ ~~to~~ ~~be~~ ~~observed~~  
~~in~~ ~~the~~ ~~arrangement~~ ~~of~~ ~~the~~ ~~specimens~~  
 at, or all the specimens of *T. herculea*  
 placed in the cabinet at the time of their  
 description of being in the group which  
 is *S. concentrica*, the name *Atypus*

