

No. 25



PROPERTY OF  
FLA. STATE GEOLOGICAL



No.  
Southern Florida

Sept. 1900 - and July 1911



|          |                              |      |
|----------|------------------------------|------|
| S. 11    | Hack of Tallar               | 25   |
|          | out to River Landing 15 + 10 | 25   |
|          | " to Butler                  | 1.50 |
|          | Hack fare of Butler          | 25   |
| " 12     | L. & B.                      | 1.20 |
|          | Boat hire (R)                | 2.00 |
|          | Transportation to Blount     | 1.00 |
|          | Hack fare to Blount          | 25   |
|          | S. & B.                      | 1.25 |
| Sept. 13 | Tinley R. to Marion          | 1.08 |
|          | " M. to Tallar               | 2.17 |
| " 13     | Hack of Butler               | 25   |
| Sept 14  | Hack of Tallar               | 25   |
|          | " " Lake City                | 25   |
|          | Supper at "                  | 75   |
|          | Lodging at Lake Butler       |      |
| Sept 15  | B. & Butler                  |      |

Indexed to p 41. June 15, 1915



Trust prof. Polk Co.

2

~~A.A.~~ Brown, well with oily notes

+ Toronto

A.B. Caldwell, Temple Court Bld. Pub.

Cameron T.P. 4, 12 S. Pryor St. T.P. map.

Shuford. A. J.

Hollingsworth, C.M. 282 Glenwood Ave.

Imperial German Consulate 1117 Century Bld.

Bernard Kali Wahs, 1224-6 Candler Bld.

Southern Triggs, Prim. nat. supply Bld.

J.B. McCarty, 1301 Maple Bld.

Welden, F. Equitole Bld. Phosphates Reports

St. Louis

M. M. Chaurant, Amv. Club, envelopes.

John H. A. Box 614.

Sedalia Mo

Eugene Thompson, Land Merchant.

Kansas City.

Garnett L.C. 811 New York Bld. Life Bld.

Regarding picons + "pious" Conds.

Moschel + Louther Eng Co. Reports

Boxer Springs

Boxer Royalty Co., E.S. McConth. Res.



R.R. from Maumee to Blountstown.  
M. + B. R.R.

From Blountstown run little  
nearly west for five miles, then  
N.W. for a few miles, then N. of N.W.  
to Altha.

From Altha N. of W. for one or two  
miles, then N.W. along east side  
of the river, crossing Rhykes mill  
creek and crossing the Chipola about  $\frac{3}{4}$  to  
4 miles from Maumee. After  
crossing the Chipola run north  
river 2 or 2½ mi, then angle to the west.

Country from Blountstown to the  
first five miles, open flat woods  
apparently clay subsoil. Beyond  
this for several miles much the  
same altho a little more sandy.  
Approaching Altha country becomes  
rolling. Leads Altha to Maumee a  
good deal of hammock and red soil.



24600

60  
35 1/2

300  
180  
30

48 80  
240  
46.40  
900  
300  
280  
300  
2250  
2130  
1250  
12550



## Tallahassee to Cahalla?

About 2 mi out of Tallahassee come  
to sand & scrub oak. rolling  
sandy mounds furrows being  
yellow sand. continues to  
Spring Hill.

much the same on to Helen  
although not as much scrub oak.  
Deep cuts in R.R. 10 to 15 ft show only  
loose sand. Small stream is  
crossed near Helen.

at Hilliardville some good farming land.  
Flat woods beyond Hilliardsville to  
near Arrow. Lost Creek just north  
of Arrow  $\frac{1}{8}$  to  $\frac{1}{4}$  mi. Sandy at arrow.

Some farming beyond &  
at Arrow. Sandy at  
Orlando. + white road for  
some miles beyond. with some live  
land much better appearance  
Oak & slopy + beyond Oak  
slopy to river is some low pine



From Sopchoppy to 10  
Ochlocknee River is a good  
deal of hornmuck which  
is cleared out & drained  
would be good.

From Ochlocknee to L. near  
bar soil & palmetto.

Sand dunes overgrown  
with palmetto and spruce  
pine, and hence quiescent  
from L. near to Corabelle.

Sand dunes also border the  
coast at Apalachicola.

Sample from H. exposure  
of Hordson 1 mi west of Pensacola  
erecting Hordson. No evidence of  
swamp deposit. Stumps may be  
trees that grew here before ocean  
washed back to present coast line.

Just back of the coast is 11  
long leaf pine & saw palmetto.  
The light colored sand (so called  
Pleistocene) here is about 4 ft  
deep. Sample from 1 to 2 ft.

The indications are that the Hordson  
existed here at the time the trees  
grew for while some of the top roots  
penetrated the Hordson. As a rule  
the roots flatten out or mat &  
coil up on reaching the Hordson.

Where natural breaks existed  
in the Hordson the roots entered  
along the cracks. This is best  
seen about 1/2 mi west of spot  
where photo is taken.

The country around Apalach.  
as seen on returning to the  
hotel from the exposure is  
palmetto flat woods.

The country from Apalach. to  
St. Joe is all palmetto flat woods &  
bay gall. Not above a few feet  
elevation. Two tide water creeks crossed.  
Palmetto said to extend 25 mi from coast.



The ~~swamp~~ swamp of Apalachicola River 1/2  
4 or 5 mi wide of RR crossing  
On east side passes into palmetto  
flat woods with no appreciable rise  
or not over two or three feet.

From the river to Sumatra 7.20 A  
about 50% palmetto flat woods  
" 40% open flood pine  
" 10% tree swamp.  
Some elevation of 7.10 A.  
For about 2 1/2 or 3 mi north  
of Sumatra is flooded land nearly  
destitute of timber.  
After that higher elevation to  
palmetto 75% to rail road.  
Saw mill of iron.  
" " " vial.

Fairly well drained land  
pine & small palmetto  
up to Georgia. hardly to be  
called flat woods or is a well-  
drained. Short leaf pine along Georgia line.

at Hartford & for a mile or two <sup>13</sup>  
beyond is well drained sandy  
land. clay in the cuts. Some  
scrub oak & some short leaf pine  
little or no palmetto.  
after reaching the top of the  
elevation mile past 57 to mile 60  
past is a mixed type of country  
mostly thick palmetto and  
some scrub oak in places, some  
short leaf pine, & long leaf pine.  
Mile past 60 scrub oak.  
Long pine. Solonchons.

From A 64 1/2 to Greensboro  
which is A 67 very good  
open pine land. no palmetto.  
same to the slope beyond  
Hardaway.

Sample white sand 2 ft from  
surface  
Sample clay 6 ft from the  
surface at which depth top root  
of pine tree ends abruptly.  
Total 1 mi east of River section.



Tallahassee to Atlanta  
and Southern Commercial Coupon.  
March 7 to 11. 1911

Country from Deerbridge to  
Adelington largely long leaf  
pine lands, most of it well  
drained. A good deal of round  
timber near <sup>Commerce</sup> McComb says this is Vicksburg.

very hilly country from  
Richmond to Columbus.  
The Cretaceous apparently  
comes in here.

From Cuthbert to Richmond.  
Richland to Columbus very hilly  
in places but much good level  
forming land, mostly red sandy  
soil. Cuts in Ry road show deep  
red like the so called Lafayette. Some  
pale sands.

Columbus to Atlanta  
all granitic. rolling enough to  
require tinning. red soils.



Columbus about 25,000/6

Hotel Boring near depot.  
about 5 blocks on cor line.

Granitic area from Columbus  
Central B & O Cuts a low  
mountain about 30 miles  
out from Columbus. Fine  
mountain.

Chancellor Houston, Washington  
Miss. St. Louis.

The Citizen & Stab. narrow  
Wilson.

J. M. Dickinson. Enforcement  
of law in the south.

President T. A. A  
greater nation though a great South.

Arthur H. Harris on field for  
Southern Bonds (B Harris, Forbes  
and Co. New York). Chief need is  
improved legislation on  
the payments on bonds. The  
limit of taxation on bonds properly  
especially affects bond investment  
advocate a limit of taxation  
on property in general, but not a  
limit for payment of debt.

Hon John Barrett ~~President~~ <sup>Director</sup> General  
of the Pan American Exposition.  
~~and of South American Republics.~~

Chas H. Sherill Member to  
Argentina

J. C. Calhoun Newton. Comm-  
cial education.

John Temple Brown. Editor New  
York American and syst. of New York.

Arthur Brown. A cooperation in  
publicity. Publicity in the art repre-  
sented to success.



L. R. Tyson. Knoxville Tenn.

Textile industries. - now in poor condition because machinery too high to enable competition with foreign manufactures. Advocates reducing tariff on machinery and reducing the cost of labor without reducing purchasing power of labor.

Thos. Proctor. - not abundant.

very characteristic, very emphatic. advocates material advancement of the south without losing spirit of the old south. advocates legislation which will control the factories now while there is yet time as the south is beginning its new advance. Admonitions not to forget that <sup>out-working but not</sup> righteousness, <sup>not to</sup> exalts a nation.

Mr. Suley of the Georgian  
advocate state Geologists note marble paper

July 18. 1811

From the apalachicola to a line about midway between Sneads & Grand Ridge the country is short leaf pine and hardwood hammock.

From this line to the stream coming from the "big spring" the country is pine land. the <sup>half</sup> country is much like the open flat roads; the first half was like the sandy pine rolling pine land. all is underlaid at no great depth by the red clay.

From this stream past the chupala River & nearness to cottondale the country is rolling and of the hammock type. short leaf pine becoming



From Coltondale to  
Chipley is long leaf level  
fine country. The  
limestone does not lie very  
deep, but the country  
does not seem to show  
its presence.

July 19, 1911.

Chipley to foot of Orange hill  
about 6 mi is wetting pine  
probably to be mapped as lower  
sink pine country.

Orange Hill is a hill of  
deciduous trees, long leaf and  
short leaf pine. a good deal of  
long leaf on the north slope.  
The hill is said to be about 1/2 mi wide  
& about 3 long N + S. or S W.

a valley two or three miles wide  
with Hard color creek at south  
side then Six ton Hill. Six ton  
hill is only a plateau, sandy  
long leaf pine, north slope  
steep. south is gradual or not  
to be appreciable.

Orange Hill is really on outlier  
from this plateau.

Traveled across this plateau  
in a direction ~~of~~ east of south  
a way south to sect. 17. T. 12. N.  
T. and S. W line & took picture  
about sec. 13. 13 W 1 N. This country  
very sandy pine (red. streams)  
terminate in a steep head like  
those of Liberty County.  
when first go onto plateau  
some sinks are seen.  
Blue pond is one of them in 13 W  
& N. about sec. 14. This is a blue  
pond sink with blue water.



22  
Soil Section here Sec 12-13 W 1 N.

light colored sand

Orange yellow "

1 in

5 ft

after crossing the Escarpment or  
Leontis bridge about Sec. 10 13 W 1 N.  
The country is more rolling & there  
is some oak underground.  
Peters Pond about Sec. 7 13 W 1 N.  
is not too brackish.

23  
Washington County

This County may be divided into  
the coastal strip which has divisions  
as follows. The coastal strip, the sandy  
pine lands. The upland bottoms of  
holmes valley & across hill and the  
lime rock or limestone country of  
the northern part of the County.

The coastal strip includes the  
sandy sea sand dune ridge ~~also~~ on the  
coast and the flat woods bordering  
the coast. The flat woods in this  
County are varied in character. Sand  
Baygall swamps are numerous,  
and include a considerable percentage  
some of them are large. Palmetto  
is quite generally distributed,  
although considerable areas may  
be found free of this growth or  
nearly so. a prairie is set under  
Hardpan as usual very generally and  
under the palmetto flats.



The term ~~Holmes Valley~~ A  
small area in Washington County  
extending from the area

A small area in Washington  
County <sup>lying parallel to and near</sup> ~~forming~~ Holmes Creek has  
been known from the time of the  
earliest settlements as Holmes  
Valley. This area has a width of  
one to three miles and extends from  
~~near~~ Miller Ferry north the Clackamas  
River to ~~near~~ ~~Wesman~~ in a north westerly  
direction about fifteen miles. ~~The~~  
~~is called valley in its locality a succession~~  
~~of small hills rounded hills.~~

July 20.

Clifty & Bonifay

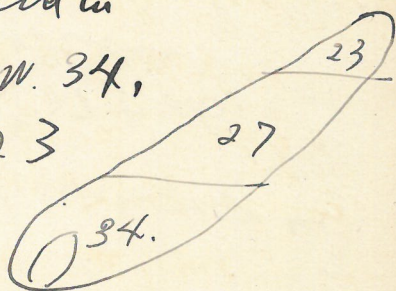
all open pine clay gravel  
rolling a little. Ammonite  
at no great distance but not  
seen at the surface.

Two views in the pine bed  
abt. 1/2 mi east of Bonifay.

Look for snouty bed in

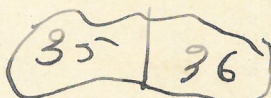
7 N. 13 W. NW. 34,

entr 7 27 & 23



and in 7 N. 15 W.

sects 35 & 36





Some round lakes in the<sup>26</sup>  
country around Morrison.  
sects. lim between 12 & 13 & lim  
between 1 & 2 & lim between  
14 & 2 & lim between 2 & 4.  
4 N. 17 W. On east side of  
Big Sandy & only streams.

In 5 N. 17 W. a group in  
cans of 23, 22, 27 & 26.  
about 160 acres. no lakes.

6 N. & 17 W. no lakes  
streams have wide swamps.

2 N. & 18 W. no lakes. no  
swamp & streams slow.

4 N. 18 W. a few small lakes  
no swamp & streams.

37

8 N. 18 W. no lakes  
only a limited area of swamp  
fading the streams.

6 N. 18 W. one lake in  
sects. 25, 26 & 25 <sup>26</sup> <sup>25</sup> <sup>25</sup>

some swamp in sects

32 & 33, 33 & 34, 34 & 35,  
35 & 36.

Summary

1. west tier of townships  
very little swamp along the  
streams. None at all in western  
two townships.

2. Second tier of townships swamp  
fades the streams of north township  
& second tier with less swamp  
fades 3<sup>rd</sup> & 4<sup>th</sup> from the north.  
The last has lakes.



3<sup>rd</sup> tier Swamp in north half 28  
township & not shown in  
next township report but must be  
it as the Chockchatchee River  
flows through this township  
~~not shown in next but must~~  
~~be it~~ - miles S.

4 Swamp not shown  
next time & apt will be  
township

6. Swamp shown in north  
half township of 5. 14.  
not in record. Sales in 3<sup>rd</sup>  
the one in which Bonifay is  
located.

Bonifay to Eto & Eto to  
Cragada.

All east of Central Holmes  
County of about the same type &  
around Chipley & Bonifay. Following  
the streams the land is enough higher  
to give the Chat leaf and land with  
hammock. Some swamp takes  
the streams not mud. a little  
more sandy around Eto & in central  
Holmes than in S.E.

On the Cragada Road 9 miles  
from Cragada go down a steep  
hill & fall of at least 50 ft  
and pass onto the pine land  
very flat & cover the River flat.

Soil section here  
Fine yellow sand 3 ft  
clay or 3 ft.  
Soil sample from here 5



Films 1 & 2 of this 30  
pine flat  $8\frac{1}{2}$  mi N. E  
Crotza.

The swamp of the  
doctowhatche is reached  
about two miles from the  
river.

On the west side of the river  
no pine flat. clay lands  
rolling ~~from~~ <sup>from</sup> south up to  
the river swamp. All  
Halms county west of River  
clay pine lands. N. W corner  
hilly from many stumps.

After crossing a small  
stream about 12 miles north of  
Defumak climb a sandy hill  
& then on sandy pine bar  
plateau.

Walton County. 31  
Hill country continues into  
Halington.

Soil section 12 mi  
N of Defumak. Yellow  
sord 5 ft.

July 21

Defumak to Ponce de Leon.  
scub north the way to within three  
miles of Ponce de Leon.

Ponce de Leon spring is about  
 $\frac{1}{2}$  mi east of town. A small spring.  
Flow about  $1\frac{1}{2}$  ft wide &  $2\frac{1}{2}$  ft deep & flows 1 ft  
per second.

Monison spring 5 mi  
S. E. & 1 mi from doctowhatche  
is larger. photo



Euclid Valley extends 32  
 embracing the sandy & loose ~~cuts~~  
 from the county line to Euclid  
 Knox Hill is in this district.  
 South of Euclid the  
 country is lower more sandy &  
 has Cong. clay pine.

From Red Bay to Freeport  
 For several miles scrub oak & small  
 oak. Then sandy pine land  
 soil section <sup>8 mi. N.E. of Freeport</sup> yellow sand 4 ft  
 white sand 1 "

Plot 8 mi. N.E. of Freeport. 3 70

Next <sup>no 6</sup> pine is about 7  
 miles N.E. of Freeport & shows the  
 typical sandy land with small  
 oak undergrowth.

33

33

Freeport to Buck Hill practically  
 all ~~oak~~ sandy pine with  
 oak undergrowth. Some pine  
 land Buck Hill a mile or so  
 this side. A good deal of  
 oak undergrowth to the  
 clay hills about two  
 miles south of town.



Aug 2. 1911

Mockers & the low line.

Rolling land small lakes, then  
rolling pine land to Pinola. Sandy  
of some scrub oak Pt Pinola &  
for a mile or two. Slight down  
grade to the Withlacuche River.  
No swamp feeding the River. &  
no indication of approach to River.  
Sandy land some on both sides.

Aug 3. 1911

Lake City to Sumner Valley is a  
country hard to describe. It is  
diversified & includes almost every  
kind, rolling pine land, a few  
lakes, one fine oak flat  
near Sumner Valley. One flat  
bottomed lake at Sumner Valley.  
Best north line of Sumner Valley just  
Sumner Valley Station. Not west of  
Station.



From Suwannee Valley  
Station to river is like  
Suwannee <sup>bridge</sup> & Talnooth. Sandy  
some scrub oaks.

Immediately after crossing the  
Suwannee River one finds  
better land, rolling pine land  
pretty sandy to heavy, with  
here & there all this pretty  
as Suwannee Valley sandy pine  
land.

at. Just beyond Geneva farm  
into a palmetto pine land.  
almost flat woods. There  
some water in spots in the  
rainy season. stunted &  
sparse growth of palmetto.  
This continues  $\frac{1}{2}$  mi. of small  
streams <sup>Tiger Creek</sup> which is crossed at 3  
mi east of Jasper. From  
here to Jasper's mill, pine &  
scrub forming land. Tiger  
Creek enters in from south of Jasper.

Jasper to Lin Oak Aug 3.  
Long leaf pine with a little  
palmetto up to ~~us~~ for some  
miles. Beyond rolling with  
about one mile of pine. Some  
palmetto pine land just across  
the river, some forming into  
scrub sandy land, oak  
Suwannee spruce and pine  
land.

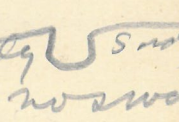
Pers into rolling land at  
mile post 230. from P. Ta.

Line Oak to Perry via  
F. Louder R.R.

South from Line Oak is  
rolling pine, sandy. Some scrub.  
This continues to Mayo.



Just beyond Mayo pass<sup>38</sup>  
into flatwoods. cypress ponds  
some water on the ground  
during the rainy season.  
Long leaf pine. scattered  
stunted palmetto. This coast to  
Tenkalloway.

at Tenkalloway a small  
flat mud stream. Sandy banks  
afford drainage making a  
small oasis in the desert of  
flat mud. Crossed below  
stream only   
no swamp.

Tenkalloway to Perry rolling  
well drained fine land.  
good farms like line ridge  
country. Some fine oak  
bluffs. Good open pine land  
3 mi south of Perry. Said to reach several  
miles south of 7 or 8.

Aug. 4. - Palmetto pine land<sup>39</sup>  
from the Harts to Spicy & about  
2 miles of Perry. Open pine to  
Perry. Greenville is P. 26. A. 57.

From Perry mostly pine with  
occasionally a little palmetto.  
at 70 miles from Adel low  
flat mud with a great deal of  
palmetto.  
at L. L. Bird Swamps. also at  
Simon.

First red clay hill  
1 mi south of Greenville  
North of Greenville By runs  
through red clay country 1 or 2  
miles. then into palmetto flat  
woods past Chocoma & on to  
2nd station (A 46 1/2) over 8  
flat mud for a clay drain  
Then more flat mud along to  
L. L. Bird which is A 59. P. 38  
red clay hills here.



See Fowler or  
Cohlon. 209 South Bldg.

### Soil Section at Canal

|                       |       |
|-----------------------|-------|
| Surface dark sand     |       |
| Hardpan above (small) | 2 ft. |
| Gray sand             | 7 "   |
| Blue gray waxy sand   | 2 "   |
| Shell marl. at bottom |       |

### Another section

|                           |          |
|---------------------------|----------|
| Surface Soil              | 2 ft     |
| Hardpan and               | 5 ft     |
| Light red yellow          |          |
| and black clay            | 2 1/2 ft |
| Marl exposed Blue & Sandy | 2 ft     |

R. A. Cushman.

Indexed & bound June 18, 1895

Copy of the original  
to the Library







Feb 13

44

Small meter or 64.4

Small miter at the stern 72.6

Fals.  
Bridges cross stream 70.1

of steel pipe used 82.5

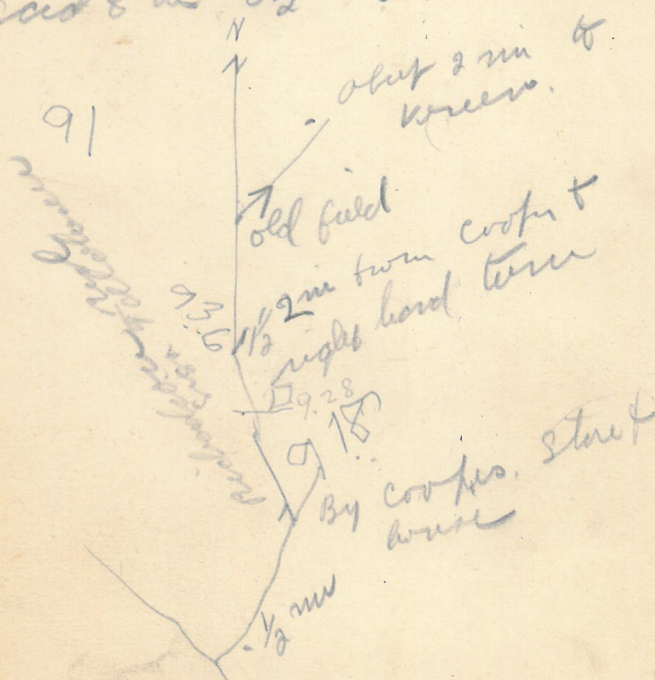
Bechel Church at about. note not real 88.

when at 15 mil per oz  
steel found not to run some

The bridge below spins at 2.50.

small metr or brodge 90.9

From the bridge to the spring  
said to be  $3\frac{1}{2}$  mi. Culbreth, Wapulla,



Feb. 13. 2.17 am

45

Feb. 13. 8.11 am  
met at 7421 Box 7 gals. til 190.

Stream from the scrub 7429.

Sham from 10:40 7467  
Turned Feb 2 10:40 74

Turned back at 10.48  
Broke below wetland skin & 2.00. 7447  
Home note of

Total width of stream at the

Total width of shows or  
fudge  $433 - 20 = 410 \text{ ft.} +$

From 1<sup>st</sup> run per (tot) 8  
watts. 4.2 sh.

Feb. 15: Left Tallah. at 9.45 am  
meter at ~~7447~~<sup>7468</sup> at house.

Box 5 Gallons. Reached Makones landing  
by way of Wokimah road at 12.45.  
26.24 Distance from latter. 26.24

Box 3 gallons. *Quercus* *laevis*  
by way of Wokushah road at 12.45.  
met at  $\begin{array}{r} 7\frac{1}{2} \text{ } 9\frac{1}{2} \\ \hline 28 \end{array}$  distance from latter. 25 miles

Jefferson County line at 11 am.

Jefferson County line at 11 am.  
Talla. to near Chain High red rocks  
From near Chain to Saw mill at  
Flatrock. Thence to

$\begin{array}{r} 34.2 \\ 2.5 \\ \hline 31.7 \end{array}$  From near chain  
 $\begin{array}{r} 31.7 \\ 4.6 \\ \hline 27.1 \end{array}$  "bed" crossing. Flat track. Then up at  
 $\begin{array}{r} 31.7 \\ 12.2 \\ \hline 19.5 \end{array}$  From bed coming to  
 $\begin{array}{r} 19.5 \\ 2.5 \\ \hline 17.0 \end{array}$  flat work. wound string in flat  
 boxes.



1<sup>st</sup> measurement on left of  
 weira spring (Crystal Spring) 41 ft.  
 2<sup>nd</sup> measurement on left 54 ft.

Estimate on flow  
 main channel about 100 ft wide by  
 about 10 ft deep. Flow about  
 1 ft per second.

$$100 \times 10 \times .1 = 100 \text{ cu ft per sec.}$$

$$2^{\text{nd}} \text{ channel } 30 \times 3 \times .3 = 300$$

Total 130 cu ft per sec.

$$130 \times 7.5 \times 60 = 60,000 \text{ (approx)} \\ \text{gallons per minute.}$$

used boat of <sup>a.k.</sup> m. maloy, wocissa.

Friday Feb. 16 - 8:15 am.  
 meter large at 7494 small at 87.7  
 noon " " 7541 " " 85.4

Saturday - Feb. 17 - 10:10 am. Near Line Lake  
 meter large at 7566 small at 10.0

Sunday morning (18) Glendale Springs  
 large meter at 7609. small at 53.0

Monday morning Feb. 19

Large meter 7616. Small 60.1  
 " " at Ry Ridge 7620, " 64.2

Measurement of Ochotuchnee spring at the  
 spring.

Below this spring is another & stronger  
 spring which has no head name (about 2 mi  
 other springs come in at frequent  
 intervals at least 5 or 6 for every  
 spring.

measurement of the run at Ry Ridge  
 about 3 mi below the spring.

Send Rbt & J.H. Low & Louie Low  
 at High Springs.

Sat. Feb. 19 1<sup>st</sup> m. Large meter 7633. Small 77.2  
 Poe Spring 2<sup>nd</sup> m. " 7636 " 80.2

depth of Poe Spring at full 15+ feet

Flow at bridge

Swimming crabs

Spring

South of River.

Spring about 3 mi from the spring at Ry Ridge



Bonnan 11,300 as  
 large mts at 7680 small 23,5

Blue Spring about 6 mi  
 west of High Springs. A large spring  
 but comes up in a swamp.

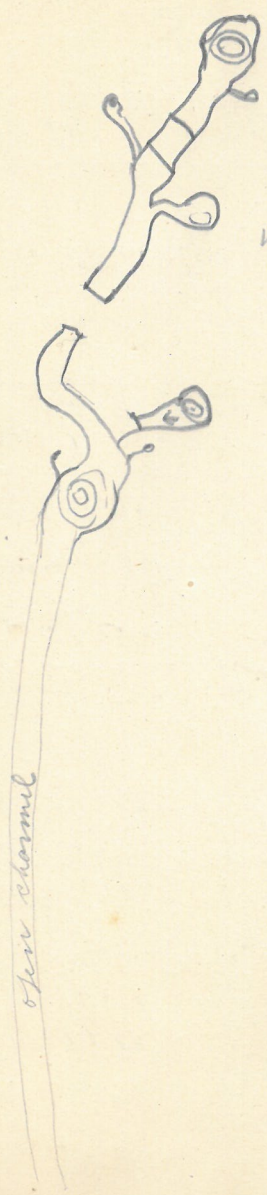
Blue Spring in Marion County  
 a small spring comes up  
 in a swampy place. Flow  
 less than 25,000 ft min.  
 mts of Blue Spring  
 large 7685; Small 28.9.  
 mts at Bonnan

me 100  
 200 ft 2

Webiva Spring at 4,15 P.M.  
 large mts at 7704. Small at 47.3.  
 Bridge below spring, small mts at 47.6

webiva Spring. Feb. 21. 1917

Swales



Rough sketch of  
 webiva Spring.

open channel



Meter at Sunnello

Large 7728 Small 72.0

Meter at bridge east of Sunnello

Large 7728 Small 72.8

Meter at Blue Spring at Juliette

Large 7734 Small 78.0

Sunnello F.H. 22

Large meter 7738 Small 82.3

Meter at Wenchella Sp. Feb. 23.

Large 7795 Small 39.0

This spring 80 feet deep on one hole altho  
as a rule only about 36 to 40 ft.

This spring comes up in a scrub.

Feb 24, 1917 -

cut of Halls Bay.

Large meter 7842 Small 85.5

Meter at Tampa 7860 + 03.8

Sund Lewis & Page,

Barton, Fla. Measurements

of Kissengen Spring. 2/25/17.

About 4 1/2 mi. E of S of Barton.

(3 mi. S. 1 1/2 mi. east)

Meter at Barton

Large

Meter at Kissengen Spring Feb 25

Large 7924. Small 68.4

Meter at Barton

Large 7929 Small 73.1

Meter at Lohbird

Large 7944 Small 87.6

Meter at Crystal Springs.

Large 7968 Small 12.0

This spring water not naturally  
sulphur comes up through joint in  
flint rock. Flow est. 20,000 gal  
hourly. near below.

Silver Spring Alcala

Meter 8064 + 07.8

Silver Springs 8070 + 13.9

Feb 24 Alcala

8133 and 76.0

March 1. Tallahassee

Meter 8353 and 97.1



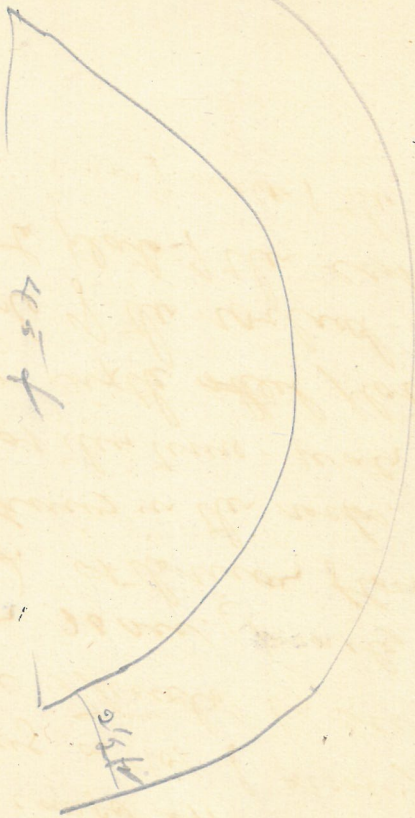
March 1, 1917.

Camped at Falwaat.

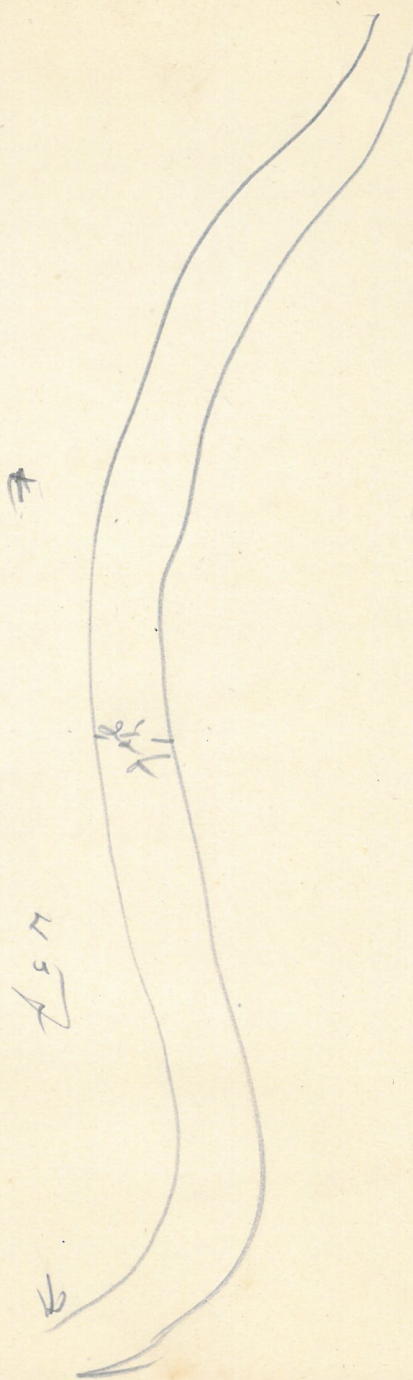
New land spring was flowing from the river. Boil from which water came off to be dust or strong as top of Kinnegia spring. Flow estimated by bucket as 25 ft per 30 sec. (possibly not quite so fast). At the river flow seen to enter the openings in the rocks. Stage of river at this time - water on the bottom of the sixth steel plate on the east side of the railroad bridge. (The plates of the east end of the north [up stream] side of the bridge alternate).

March 12.

East of Mantrell on Mantrell Seenuke rock









Proctor's Montpelier road just over 2 miles

5042

Small section

onto west slope of hill  
 in relation to the hill. & not on the top.



Curran River 5.30 PM 58  
 Large mts of 6538 small 81.6  
 Drive for day 77.5

March 13. Left at 9.45 AM.

Curran River of Teller?  
 flat on east side of  
 Ry ridge. Spring, lot  
 flowing to the river  
 camped at Paynes Prairie

miles 8641 and 84.8.  
 Drive for the day  $\frac{8641}{6538}$  81.6  
 103 miles 77.5  
 Total from Teller  $\frac{103.0}{180.5}$

March 15. at Eichelburg cone

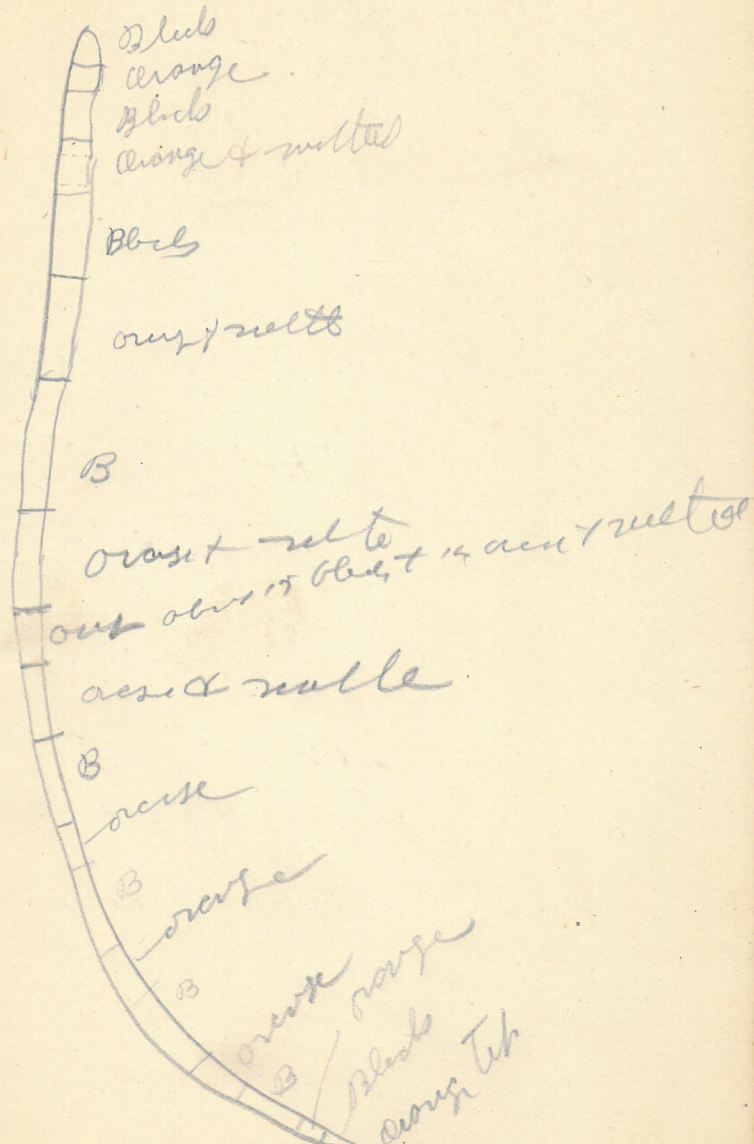
Large mts 8708 Small 52.0  
 Drive for March 14  $\frac{8708}{8641}$   
 67 miles

Total from Teller  $\frac{180.5}{247.0}$

March 16. Camped at Cross Bluff, on the  
 John River. miles 8781 and 24.8  
 Drive for day  $\frac{8781}{8708}$  73.  
 Total from Teller  $\frac{247.0}{320.0}$  miles.

1. Henry at Potomac  
 case? red

59





March 17. Saturday. Camped  
at Oak Hill Shell mound  
about 1 mi. N. E. of Oak Hill & on  
Gordon River.

meters 8853 and 97.3  
Run farther day  $\frac{8853}{8781}$   
72 miles

Total from Tallahassee  $\frac{320}{392}$

about 700 + 400 feet.

about 60,000 cubic yards  
mould nearly to the bottom  
soil beneath.

value of shell. would need to  
be sold at 20¢ into mound &  
at 80¢ after rising  $\frac{60,000}{.20}$   
This would give the price = 12,000,00

Flint upper mound. maximum depth 18 ft.  
shell oysters, Venus, periwinkle, Chione  
concellata. Fish. teeth. bird.  
Jellyfish abundant, numerous shell &  
bone rare.

61

See Mr. Buckland (or Buskell) in  
New Smyrna for collection  
from the island mounds (Crown  
mound with one of the banks)

Miles at Mr. Neill's house

8932 and 95.5. 97.3  
Run farther day  $\frac{8952}{8853}$  96.5  
99 miles.

Total from Tallahassee  $\frac{392}{491}$  miles.

Box on land about 40 feet  
Total 900 feet high.

March 18. Box & view 85602292  
at 1st view 93602292  
24 ..

Miles & view. well 24  
9082 and 26.0  
 $\frac{8952}{130}$

Miles well 25 9085 + 28



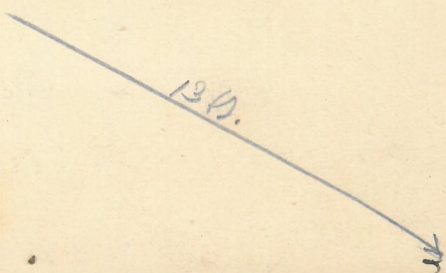
under round dirt 1 mi  
south of Bang City, about  
20 ft stratified. Some  
pitted oyster remains. Catches etc

M. C. Ryser. (Mr. Columbus place) in  
Oak Hill Fla. complete job.

make 21. Plot of the place  
where the body was found.  
by Columbus.

History from above 13 ft.

Direction



Section of this place

No 1. Gravelly Clay 1 ft.

No 2. Thickness 1 ft 7 in

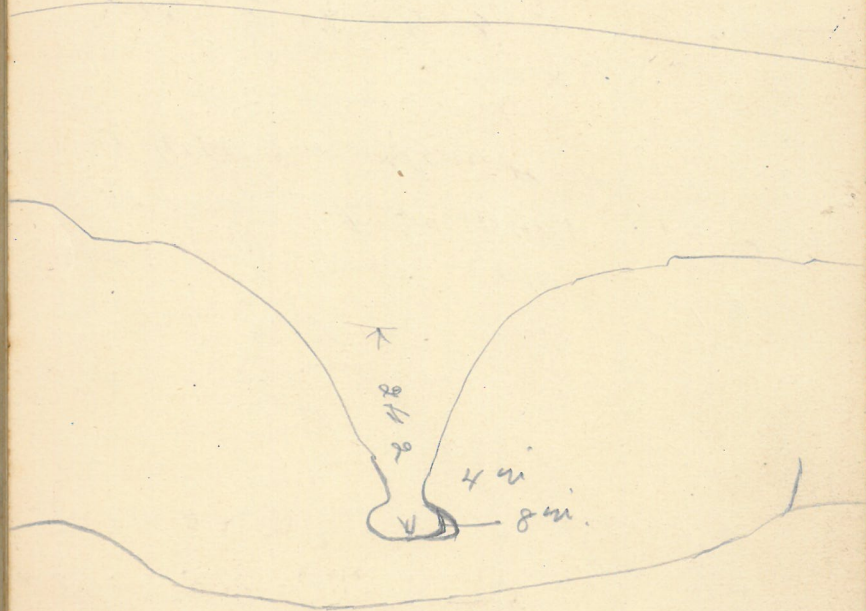
No 3. Shell layer 6 in

{ alternative sand & mud 2 ft 8 in

Total thickness of 2 + 3. 4 ft 10 in.

Bottom from the surface 1 ft 2 in

1 ft 4 in a shell still about 3 in.



Still moving



Section

273 Confluence

5th 6

64

March 24. So tubers

F. no. 22 Bone influence in  
place in the fork. 12  
west of bridge.

Section Soil undisturbed 8 in.  
Fresh water near undisturbed 10 in.  
Sand & veg. material & influent 3 ft.  
Total depth of influence from surface 6 ft.  
influence + from sand  
From influence & top of #2 - 6 in.  
Thickness of 2. Alloys 3 ft.  
Total thickness of 273 8 ft.

Location of influence 32 ft from  
the east end of station given in  
the Journal of Solesy (39 ft. east of station)  
N  
11'  
19'  
18'  
17'  
6"  
S

T. no. 2 complete front part of a  
knee found in #3 also 2 ft west  
the bar influence  
F. no. 22 found in 3 of the place.

65

Monday March 27 Indian mound

Large meter 9184

Ran first day 20  $\frac{85}{99}$  miles.

Tuesday March 28

Completed at St Augustin

meters 8282

9282

Ran first day

9184

106 miles.

Wednesday at St Augustin

meters 9315

Thursday at Trail Ridge

meters at

9387

9315

72 miles.

Ran first day

66







|     |                                |      |
|-----|--------------------------------|------|
| 13  | Cont. Suffer. Seams & Linoleum | .70  |
| 14. | " " Sawmills                   | 1.00 |
| 15. | Acacia Suffer                  | .85  |
| 16. | exp. suffer & labor            | 1.00 |
| 17. | Titinels                       | .60  |
| 27. | Hetero. Seams                  | .50  |
| 28. | St. August                     | .90  |
|     | Jax                            | 1.20 |
|     | 2 in. Oak                      | .50  |







Mileage Vers + Talla 9538 114  
 9085  
 36 ) 453 miles  
 36  
 93  
 Vers + Talla 12.5 miles 72  
 per gallon 210  
 216

Oil used Vers + Talla  
 oil at Tatumville 1 qt  
 " " Platona 1 "  
 " " St. Augustine 1 "  
 " " Line Oak 1 "  
 " " at Talla 1 "  
 Oil used slight less than  
 100 miles for 96 5 "

Total mileage of trip + new  
 meter at Talla on return 9538  
 " " " " leaving 8450  
 total mileage 1088  
 Total gas, 37 + 10 + 36 = 83  
 83 ) 1088 (13.1 miles per gal.  
 83  
 258  
 249

Gas at Tex 1.14  
 4 gal @ 26  
 meter 9356

Gas at Lake City 1.35  
 5 gal @ 27  
 meter 9424

Gas at Line Oak 1.30  
 5 gal @ 26  
 Oil 1 qt  
 meter 9448 1.85

Gas on hand at Tallahassee 9538  
 meter  
 Gas used Vers + Tallahassee 9 Gal  
 Gas at rest (at time of leaving)  
 " " Tatumville 6 "  
 " " Platona 4 "  
 " " St. Augustine 5 "  
 " " Tex 4 "  
 " " Lake City 5 "  
 " " Line Oak 5 "  
 Gas on hand at Talla 38 Gal  
 Total Gas used 36 "



Box of Leesburg

116

4 gal. of Leesburg at 28

1.12

1 qt oil

.15  
1.27

Miles 8779 and

81.6

$\begin{array}{r} 8790 \\ 49 \\ \hline \end{array}$

Accession mts 10.34 Feb 40.

Boxes of Leesburg

11 " Leesburg

Box of Leesburg

4 gal. of 28

1.12

1 qt oil mobile a

.20

1.32

Miles 8788 and

31.6

$\begin{array}{r} 8738 \\ 49 \\ \hline \end{array}$

Box at Titusville

6 gal. of 28

1.68

1 qt oil

.15  
1.83

Miles 8876 and

19.8

$\begin{array}{r} 8788 \\ 7188 \\ 13 \\ \hline \end{array}$

Total Gas used

Tollolowee 9 Gals.

Lin del 8 "

Saville 4 "

Leesburg 6 "

Leesburg 4 "

Titusville 6 "

41

Total miles

$\begin{array}{r} 87) 1121 (12 \\ 84 \\ \hline 81 \\ 82 \\ \hline \end{array}$

Box at Vero. about 2 gallon used.

March 17. 7 Gals

Miles 8975 and

37)

117

Gas used Tallahassee & Vero 37 Gals

Mileage

$\begin{array}{r} 8926 \\ 506 \\ \hline \end{array}$

37) 506

(13.6 Gals. miles)

$\begin{array}{r} 37 \\ 136 \\ 118 \\ \hline 250 \end{array}$

Oil used Tallahassee Vero.

Tomb cutub cutub at 9082

Gas in Tomb on leaving Vero 9 Gals

Miles 9085

Box at Titusville 6 gal. of 28

1.68

Oil 1 qt

.15  
1.83

Miles 9162

Box at Hattov

4 1/2 gal. of 28

$\begin{array}{r} 104 \\ 13 \\ 117 \end{array}$

1.17

.20  
1.37

Oil 1 qt

Miles 9216

Box at St. Augustine, Mr. W.

5 gal  
oil

1.43  
.15

Miles 9315

118



Record on bus  
Tons entirely empty at  
large meter 8446 small 89.5

Sec 9. 9als  
Large meter 8450 small 94.  
9 gals @ 27.5  

$$\begin{array}{r} 2475 \\ 15 \\ \hline 2.62 \end{array}$$

March 12  
Large meter at 8460 small 4.1  
dinner at station at 2400  
Large meter at 8479 small 22.3

March 13. Sec of Hill Co.  
8 gals @ 26c 2.08  
meter 8551 and 95.8  

$$\begin{array}{r} 8460 \\ 92 \\ \hline 11 \end{array}$$

Sec of Sarnville 4 gals @ 27 1.08  
Large 863 x 77.7  
Oil at Hill Co 1 qt.  
Sec of Ocala 6 gals @ 27 1.62  
Oil at Ocala 1 qt  

$$\begin{array}{r} 1.62 \\ 15 \\ \hline 1.77 \end{array}$$
  
meter 8680 + 33.8

23. New Port Ricks  
Sec. 3 gals @ 27 ✓ .81  
meter 7818 + 62.2

Sec of Tampa 5 gals @ 27 1.35  
oil 1 qt. .20  
Large meter 7860 small 24.0

Sec of Brls 7/25 4 @ 27 1.08  
Large meter 7928 small 73.1

Sec of Brinkman  
5 gals @ 28c 1.40  
oil 1 qt .15  
Large meter 8005 small 48.1

Feb. 27 Sec of Ocala  
8 gals @ 28 2.24  
1 qt oil .15

Large meter 8112 small 55.6  
Feb 27 Sec of Sarnville  
4 gals @ 27 1.08  
Feb 28 Sec of Hill Co 5 gals 1.30  
oil .15  
to 2 minutes .60



120

8. 20

. 90

2182-

1.3 d

1.3 d

7413.

7447.

7 4 4 7

7494

7541.

19/1.60

14

1. 00

12

145

48

145

140

170

131



