

217

ENGINEER

FIELD BOOK

No. 700



137-28

New Tree  
Page 896  
Book 217

Page 75

Page 67  
Book 217

21 22  
28 27

2642

27 2

run South 1/4 97-

1/4 2640.88

New Tree 126 - book 217

141 Book 217

1318.28  
432 79.11

527312

4863.17

4099.513104

1318.28

134824

4099.5

90833

2426 IM  
1/4 153

N 67.5° old road @ 109.1  
oak hub @ 501 oak hub 4783.2126 IM  
440 seawall 491.410  
Turn to IM  
Birch stump N sets N 61.0 - 0.30E  
" 3 N 93.0° E 9.80  
" 10 in air cluster W 4 21.7

27 24  
21

5345.2

Run 416 W of 1/4  
run 345° W downhill 34 35-  
@ 93.5 oak hub @ 301 & old road N 55 E  
327 + 18.8 = 345.8 but on seawall  
3/4 from water set IM at all pto



Sydness

Note: If this book is lost:

Finder please return same to  
the owner - John W. Curo, Jenkins  
Minn and be well paid

John W. Curo

April 6-1928

Angles Pg 92



|  |    |    |    |    |    |    |
|--|----|----|----|----|----|----|
|  |    |    |    |    |    |    |
|  | 6  | 5  | 4  | 3  | 2  | 1  |
|  | 7  | 8  | 9  | 10 | 11 | 12 |
|  | 18 | 17 | 16 | 15 | 14 | 13 |
|  | 19 | 20 | 21 | 22 | 23 | 24 |
|  | 30 | 29 | 28 | 27 | 26 | 25 |
|  | 31 | 32 | 33 | 34 | 35 | 36 |
|  |    |    |    |    |    |    |



1  
INDEX

Time Sheet Page 5

Board Sheet " 5

Maps: Page 7-9-

Ties: Page 3-30-32-22-

Points: Lettered <sup>94</sup> Numbered Pg 33-

Ditch: Pg 13-17-8-22-

Draw: Pg 16-

Corrections Pg 10-

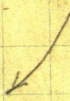
Copy of Letter Pg 15-16-17-

Addresses: 2-22-28-30-149-

Foot of Hill Pg 24-25-27-28-21-

Creek Pg 27-28-

Swamp Pg 27-28-29-

Old Notes Pg 30- 

Watson Survey 1- to 43- Secs 465-137-27

Johnson Levels 44 to 59

W. D. O'Brien 60 to 92

Ellsworth & Jones 93 to



2. March 23<sup>rd</sup> 1928 Watson Survey

T 137-R27

Sec 4 Govt Lot 5 =

Sec 5 " " 9 =

Owned By W<sup>m</sup> E. G. Watson 7<sup>th</sup> Floor

Thorpe Bldg Mpls Main 5534

Attorney at Law.

Mr Watson telephones from Mpls as to my survey notes of Ben Christian Survey (Book 158)

March 25-1928 Sunday

Mr Watson and Mr W. O. Deringer (CE?)

Home Bldg. Call at my office in

Jenkins. Look over my notes and request that I go over lake shore

Mr Watson gives me a letter to his case taker Harry C. James. who will board and assist me.

March 29-1928 Thursday

Le Jenkins alone in my Ford 10.0 AM

on Request of Corn Lake. At 11 AM.

Harry is in Biemond and I work alone till his return @ 2 PM when we have

dinner PM. I look up my old Valis Large thin Book No: 158.



March 29-1928 Continued

@3 PM - Harry and I go out and dig up old points - At 5 PM

Mr W.O. Deringer arrives from Mpls with Mr Louis Tobias and Mr Kinderwater - We look over gds

All stay over nite - Plan plot

Note: Kinder<sup>Joe</sup>water calls his wife at St Paul Tower 6768

Mr. Deringer puts in a call for his wife at St Paul - Legent 2665

I just mention this as I may want to call these men myself later.

### Ties

Cor 4-5  
Cor 8-9

S<sup>1</sup>/<sub>16</sub> Bet 4-5 Oak 7N 4°25'W 69.30 Pg 60 Book 158  
" 105 86° W 38.65

Birch 10° SW 15.86  
Hub 1520 N - Oak 16 NW 1.15

1/4 Bet 4-5 NP 6 S about 80° W 16.60 } pg 66  
Oak Stump 3° N about 10° W 3.75 } Book  
" " " 4 N " 01° E 6.05 } 158  
" " " WP " 15 N " 10° E 9.80

Sec Cor 4-5-8-9-137-27 Sec Pg 18 Book 158

IM = 1/2 x 2" sled shoe Old New BTS.

UP 10° N 36° W 51.80 To spot at base.

NP 12 S 39° W 49.25 To spot on side 4 ft up  
Tree Leads East.

NP 11 N 57° 45' E 131.7 ft To spot at base

SW corner Post of Fence - N 88.20° E 29. ft

Y 6° 25' Turned from True Line west

Roads NW - W. SE - S

old Trail N. Leads NE?



March 30-1928 Friday

Mr Tobias Stays in and reads

Harry James goes to Island to get Camera  
of Mr Berg - for Deringer

At 8 AM. Mr Deringer & Mr Kinderwater  
Lv with Compass & Ch to take "topog"

I wait for Harry. write notes

Note: Mr & Mrs Gil James

are visiting their son Harry.

Harry Returns with camera - dinner to

Cross Lake Store and return @ 9-9 in

Megs out on work.

T over Hub 1520 N - Focus N. on

red flag @ NW Cor Sec 4-137-27

John W. Curo T - Ch - Axe

Harry C. James Flg. Ch. Axe

North on true line Bet 4-5

Set red spike - on ice also near

$\frac{1}{4}$  Cor and on hi hill N of  $\frac{1}{4}$  Cor

$\frac{1}{4}$  Cor Bet 4-5-137-27

is gone and we re-establish

it by flat Chain from face of New

BTS called for on Page 3. of this book.

Set Large 12 inch wire spike with

red patch on side hill for

True  $\frac{1}{4}$  Cor Bet 4-5



| Time Sheet Working For W <sup>m</sup> E. G. Waxson |                     |    |    |       |                  |   |                     |   |   |   |    |                  |   |     |     |     |
|----------------------------------------------------|---------------------|----|----|-------|------------------|---|---------------------|---|---|---|----|------------------|---|-----|-----|-----|
| March 1928                                         | 29                  | 30 | 31 | April | SUN <sup>1</sup> | 2 | 3                   | 4 | 5 | 6 | 7  | SUN <sup>8</sup> | 9 | 10  | 11  | 12  |
| 28.45 am. <del>11</del> x 10                       |                     |    |    |       |                  |   |                     |   |   |   |    |                  |   |     |     |     |
| John W Curo                                        | 1                   | 1  | 1  |       | Woe              | 1 | 1                   | 1 | 1 | 1 | 1  | 0                | 1 | 1/2 | 1/2 | 1/2 |
| Car-Miles                                          | 20                  | -  | 20 |       |                  | 0 | 20                  | - | - | - | 20 | 0                | - |     |     |     |
| Expense                                            | <sup>car</sup> 1.28 | -  | -  |       |                  | 0 | <sup>car</sup> 1.28 | - | - | - | -  | 0                | - |     |     |     |
| Harry C. James                                     | 1/2                 | 1  | 1  |       |                  | 0 | -                   | 1 | 1 | 1 | 1  | 0                | - |     |     |     |
| James Reed Curo                                    | -                   | -  | -  |       |                  | 0 | 1/2 pm              | 1 | 1 | 1 | 1  | 1/2              | 0 | -   |     |     |

| Board           | Sheet                  | With Harry                           | James = Watson |
|-----------------|------------------------|--------------------------------------|----------------|
| John W Curo     | D D B D B<br>S L S L S | D B D B D B D B<br>O S L S L S L S L | O              |
| W O Deringer    | S L D B                | O                                    | O              |
| Joe Kinderwater | S L D B                | O                                    | O              |
| Louis Tobias    | S L D B                | O                                    | O              |
| James Reed Curo | - - -                  | D B D B D B D B<br>O S L S L S L S L | O              |
| Wm E G Watson   | S L                    | D B<br>S L                           | O              |



March 30-1928 Continued

Over  $\frac{1}{4}$  bet 4<sup>th</sup> and 5-137-27 Take  
point for lot stakes on shore line  
10" Dead Poplar S  $26^{\circ}05'W$  124.5 ft  
on sea wall 3 ft from brink and 6 ft  
from edge of ice

2" Birch Stake on sloping shore  
6 ft from ice bears S  $24^{\circ}25'W$  188 ft

1 $\frac{1}{2}$ " Birch stake on sea wall 3 ft  
from brink and 6 ft from water bears  
S  $21^{\circ}45'W$  258 ft.

2 $\frac{1}{2}$ " Birch stake on sea wall 3 ft  
from edge and 6 ft from water bears  
S  $15^{\circ}20'W$  318 ft. Chain broke.

Hub on Sec Line 6 ft from  
ice bears South 8.80 ft.

Lake Shore Continued

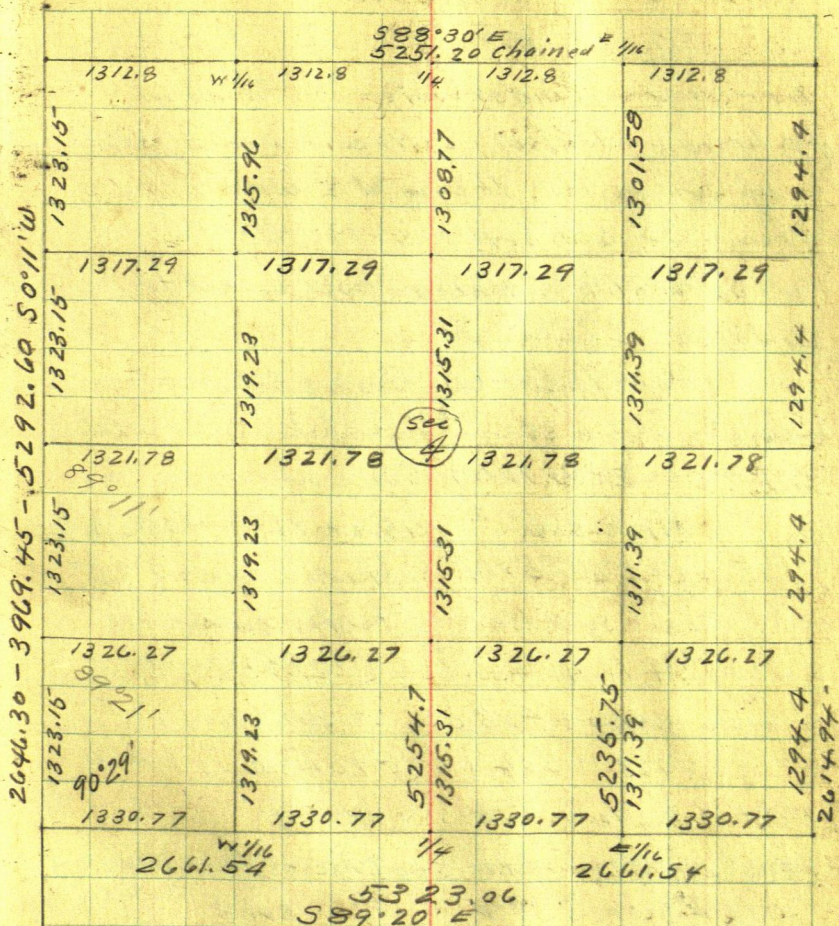
2" Willow stake on slope 3 ft in and 6  
ft from ice bears N  $51^{\circ}E$  60. ft

4" Dead Oak 3 ft from edge  
and 6 ft from ice bears N  $42^{\circ}E$  91.5

Sec Line As Meridian

Take bearing for Deringer on 2 tall NPTrees  
80 tree bears S  $77^{\circ}52'E$  about 80 rods  
away. All take dinner with James





Note: Meridian: This plat is a copy from the Ben Christian Survey Book 158 We then called the sec Line N0°11'E

In the Watson survey = this survey we call the section line True North  
In this survey Sec Line is True Meridian

John W Curo



\$ Watson

Lot 5 - Sec 4  
137-27

2646.3  
478.3  
2168.0

March 30 - 1928 continued

PM

Deringer: Kinderwater and Tobias Lf  
for home - Watson calls and says he will  
be up tomorrow. Harry & I work  
From  $\frac{1}{4}$  Cor bet 4-5-137-27 ch

North 81.9 To spike on hill added to  
2646.30 = 2728.2 N

From  $\frac{1}{4}$  Cor Ch South @ 8.8 Hut  
@ 16.0 sea wall - @ 26.3 ice @ 50.5 spike on ice + 265.2 =  
315.2 S (= 2331.10 N) Spike on ice in line  
with E ditch SW. 315.2 + 93.6 = 408.8 S (H)

(= 2237.5 N) (H) Spike on Sea wall 7.5  
feet so of ice = Sta H. on sea line

Ice 2245  
@ 408.8 S + 28.0 = 436.8 S = (2209.5 N) Spike  
436.8 S + 41.5 = 478.3 S (= 2168.0 N) "I"  
478.3 S + 128 = 606.3 S (= 2040.0 N) Full H

Foot of N. Side NE-SW Big Hill

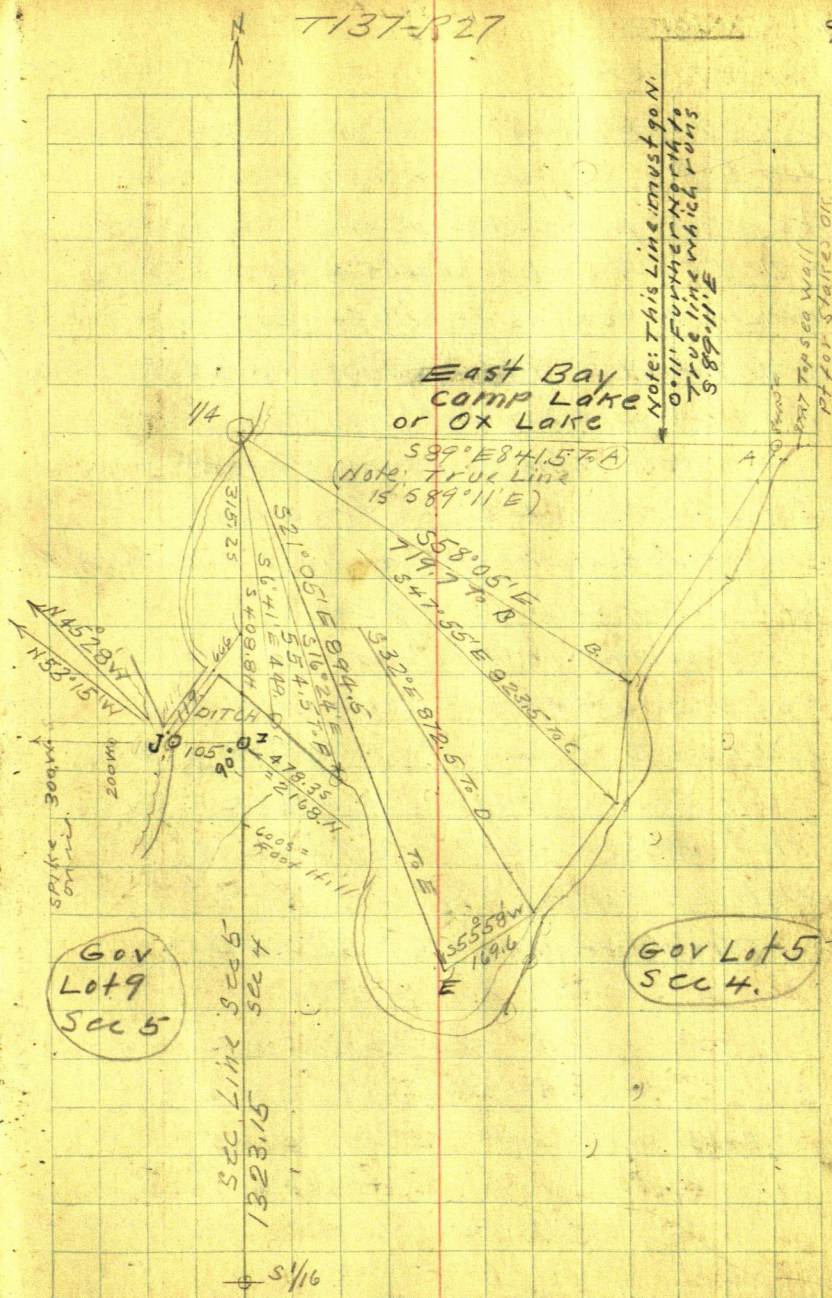
Over  $\frac{1}{4}$  Cor using Sec Line as Meridian

|        |                              |       |
|--------|------------------------------|-------|
| Flag A | bears S 89° E                | 841.5 |
| "B"    | S 58° 05' E                  | 719.7 |
| "C"    | S 47° 55' E                  | 823.5 |
| "D"    | S 32° E                      | 872.5 |
| "E"    | S 21° 05' E, ON ICE E of Bay | 894.5 |
| "F"    | S 16° 24' E                  | 554.5 |
| "G"    | S 6° 41' E                   | 449.  |
| "H"    | South 408.8                  |       |



T137-827

9





10 Watson

Lot 5 Sec 4-137-27

March 30-1928. Continued

Beg @ 1/4 Cor Ch S 89° E (Note: Should have  
run S 89° 11' E) @ 15 Sea wall @ 25 enter

ice @ 300 - 600 - + 241.5 = 841.5 Flag "A"

+ 27.5 = 869 Bank. 841.5 + 38.2 = 879.7

Birch stake on side hill for Lot Line

879.7 + 64.0 = 943.7 Spike and Birch  
stake on top of big hill

Note: This spike must be set 0'11"  
further North to be on true line

(I forgot the 0'11" angle I assumed  
in the sec Line Last year)

Figuring viz 0'11 Tang = .00320 X 943.7  
= 3.02 So that H 943.7 must go N. 3.02 Ft  
to be on True Line and "A" goes N 2.7 //

Correction:- See above

still staying with Harry James at  
Watson's cottage called

'The Needles' Tel 55 F22.



March 31-1928 Sat

Harry C. James and John W. Coro

From  $\frac{1}{4}$  Cor Ch  $S 6^{\circ} 41' E$  on ice  $300 + 149 = 449 =$  Sta (G) on bank 6 ft from water OK for stake line of lots

From  $\frac{1}{4}$  Cor Ch  $S 16^{\circ} 24' E$  on ice  $300 + 254.5 = 554.5$  Sta (F) 6 ft from water and OK for stake line

From  $\frac{1}{4}$  Ch  $S 21^{\circ} 05' E$  300-600 on ice @ 600 top of seawall 35 ft R. OK. stake line: @ 696 top of seawall 25 R. @ 894.5 Sta (E) on ice 2 of Bay

From  $\frac{1}{4}$  Ch  $S 58^{\circ} 05' E$  300-600 on ice  $+ 119.7 = 719.7$  red flag on sea wall marked (B) OK of stake line - sets 4 ft from ice

From  $\frac{1}{4}$  Ch  $S 47^{\circ} 55' E$  823.5 to Sta (C) 2 ft from lip of sea wall

From  $\frac{1}{4}$  Ch  $S 32^{\circ} E$  300-600 on ice  $+ 272.5 = 872.5$  Sta (D) 4 ft from lip of sea wall.

Var @  $\frac{1}{4}$  Cor reads  $6^{\circ} 45' E$

$\pi$  over "B" BS on  $\frac{1}{4}$  Cor  $N 58^{\circ} 05' W$

A" Bears  $N 32^{\circ} 14' E$  432.3 FT

C" "  $S 0^{\circ} 06' E$

D" "  $S 22^{\circ} 25' W$



12 Watson

March 31-1928 Continued

"E" bears S 32°27' W

"F" " S 71°33' W

G " S 83°18' W

1/4 " N 58°05' W Var reads 7°15'

From "A" run S 32°14' W on ice

@ 15 Foot of hill 15 L 3 ft from ice stake

Line 19' L. @ 60 Foot 10 L Stk Line 14 L

@ 205 Foot 34 L. stake line 38' L.

@ 285 " 15 L Top 19 L @ 335 T. 390

= Foot of hill. @ 432.3 Foot 4' L = "B"

From "B" run S 0°06' E

@ 20 T. 30 = Foot of hill: @ 45 Foot 15 L

@ 85 T. 110 = Foot of hill: @ 171.5 = St. "C"

Foot 2' R. Water in bog 10' R.

From "C" Chain SW 239.8 T. "D"

@ 40 Foot of hill 7' L Water 6' L

@ 60 " " " 15 L " 10 L

@ 160 " " " 12 L " 8 L

@ 200 " " " 7 L " 4 L

@ 210 " " " 6 L " 0 L

@ 220 T. 239.8 = Foot " 3' R

From "D" Ch 169.6 T. E

over "E" BS on 1/4 Cor N 21°05' W

Var reads 7°10' E

"B" bears N 32°28' E



March 31-1928 continued

"C" bears N 45°37' E

"D", " N 55°58' E

Ice Thawing Check  $\pi$  on  $\frac{1}{4}$  N 21°05' W  
 $\pi$  over E" take Lake shore Foot of  
 hill. N 86°45' E 128 + 4 = 132 = stk Line

S 60°50' E 115 + 4 = 119 - Check Transit  
 5" Poplar S 34°50' E 117.7 at foot of  
 hill; + 4 = 122 stk line

10" Pop E Side of Draw S 8°53' E 114.  
 @ 118 Lot line.

Dead 10" Pop W. Side Draw S 27°20' W  
 138.8' @ + 3.2 = 142 stk pt. Check  $\pi$

2" Pop S 56°20' W 144.4 @ + 3.6 = 148 stk pt.  
 Birch stake S 78° W 144 @ + 4 = 148

1" green Bch stk S 89° W 142.7 @ + 3.3 = 146

Birch Stake N 80°25' W 142 + 4 = 146 stk Line

" " N 63° W 134 + 4 = 138 " "

Check  $\pi$  on  $\frac{1}{4}$  N 21°05' W

1" Pop line cross + " in lip N 39°05' W

129.4 Then 3.6 = 133 To stake Line of Lots  
 old stake N 26° W 199.2

Push  $\pi$  West To spike on in  
 315.2 So of  $\frac{1}{4}$  Cor = 2331.10 N

Run S 36°55' W @ 66.6 and 185.6 spike  
 in each end of ditch at seawall 3' hi



14 Watson

Lot 9-Sec 5-137-27

March 31-1928 contd

$\pi$  315.2 S. of  $\frac{1}{4}$ ! Top of sea wall 3 ft  
in bears  $S 78^{\circ} W$  71. ft.

$N 84^{\circ} 16' W$  84.5 ck on old stake

$N 51^{\circ} 40' W$  121.8 " " " "

$N 28^{\circ} 40' W$  163.2 " " " "

At 408.8 S. of  $\frac{1}{4}$  Cor = Spike on  
sea wall = Sta. "H" @ 436.8 S. Hat

@ 478.3 S. = 2168. N Turn  $90^{\circ}$  & run

West  $105^{\circ}$  spike on sea wall (J)

@ 107 Bimbi. @ 110 foot: at 120 in:

200-300-400-500-600 West Spike in ice

Supper with Janner Then home to

Jenkins to make map Lv 7 km 8.10

Find Reed and Almas at Mutter

Learned Laili Vig

Watson with Mr and Mrs Cochran of

St Paul Low farms arrived at

reedler about 25 minutes after

I left

John H. Cress



April 1-1928 Sunday

I work all day in office to get  
out map for Watson and Deringer  
couldn't make it Alma and Reed  
get Carrie Emery

April 2-1928 Monday

Copy Lt 5 sec 4-137-27

Notes Sent to Watson Skeleton Notes

1<sup>st</sup> use W Bdy as meridian

US  $\frac{1}{4}$  = NW Cor of tract

2<sup>nd</sup>  $\pi$  over  $\frac{1}{4}$  run  $89^{\circ}11' L$  run

S  $89^{\circ}11' E$  along N bdy @ 15 Top of  
sea wall (pt for stakes) @ 25 under ice  
@ 841.5 = A" on ice @ 869 bank-foot of  
hill - L on ice @ 879 Brick stake on side  
of bank pt for stake line

3<sup>rd</sup>  $\pi$  @  $\frac{1}{4}$  run S  $58^{\circ}05' E$  719.7 Flg on  
sea wall OK for stk line 4 ft from ice <sup>(B)</sup>

4<sup>th</sup>  $\pi$  @  $\frac{1}{4}$  run S  $47^{\circ}55' E$  823.5 To C"

2 ft from top of sea wall

5<sup>th</sup>  $\pi$  @  $\frac{1}{4}$  run S  $32^{\circ} E$  872.5 D. Top Sea wall

6<sup>th</sup>  $\pi$  @  $\frac{1}{4}$  run S  $21^{\circ}05' E$  @ 600 Top Sea wall

35 R. @ 696 Top 25 R. @ 894.5 E" in Bay

7<sup>th</sup>  $\pi$  @  $\frac{1}{4}$  run S  $16^{\circ}24' E$  554.5 F" Top wall

8<sup>th</sup>  $\pi$  @  $\frac{1}{4}$  run S  $6^{\circ}41' E$  449 - G" Top Sea wall



16 Watson

April 2-1928 continued

SKELETON Notes Contd

9<sup>th</sup>  $\pi$  0' 1/4 run South on Sec Line: @ 16.  
sea wall: @ 25 in: @ 408.8 = "H" on top  
of sea wall = stake line

10<sup>th</sup> From A' run S 32° 14' W: @ 15  
sea wall 19 L: @ 60 - Top 14 L: @ 205 Top  
38 L: @ 285 = 19 L: @ 335 - 4 L: @ 390 =  
4 1/2 L: @ 432.3 = "B" on sea wall

11<sup>th</sup> B' run S 0° 06' E @ 30 Top 4' L  
@ 45 - 14 L: @ 85 - 19 L: @ 110 - 19 L  
@ 171.5 = Sta C' Wall 2' L.

12<sup>th</sup> From Sta C' in line for "D" SW 1/4  
@ 40 Top of wall 11 1/2 L: @ 60 Top 19 L: @ 160  
- 16 L: @ 200 - 11 L: @ 210 - 11 L: @ 220.  
4 1/2 L: @ 239.8 = "D" Top sea wall 4' L

13<sup>th</sup> "D" run S 55° 58' W 169.6 to "E"  
in corner of Bay on ice

14<sup>th</sup>  $\pi$  over "E" Take top sea  
wall around Bay. Viz

N 86° 45' E 132. S 60° 50' E 119. S 34° 50' E  
122. S 8° 53' E 118. Near E Side of  
Draw leading So: S 27° 20' W 142  
Near W. Side of Draw leading So  
S 56° 20' W 148. S 78° W 148. S 89° W 146  
N 80° 25' W 146. N 63° W 138.



April 2-1928 Continued

SKELETON NOTES cont'd Curd's Letter  
 N39°05'W 133. I believe this is all in Sect 4,  
 "Now in Sec 5-137-27"

11<sup>th</sup>  $\pi$  over 1/4 Cor take top of seawall Vi 2  
 15<sup>th</sup> 10" Dead Pop S26°05'W 124.5-3 ft  
 from brink 6 from ice: 2" Birch on  
 sloping shore 6 ft from ice S 24°25'W  
 188 ft. 1 1/2" birch stake on seawall 3 ft  
 from brink 6 from ice S 21°45'W 258 ft.  
 2 1/2" birch stake on seawall 3 ft from brink  
 6 from ice S 15°20'W 318 ft.

16<sup>th</sup> From 1/4 Cor run South 315.2  
 spikes on ice:

17<sup>th</sup>  $\pi$  over 315.2 Top of seawall  
 S 78°W 71 ft. Run S 36°55'W @ 66.6  
 spikes in E. End of ditch @ 185.6 spikes in  
 W. end of ditch in line with tip of sea  
 wall. Train is due and I will  
 hustle this into the mail. Hostile  
 signed John W Curd.

Note: The above is copy of my letter  
 about, dated April 1<sup>st</sup> but mailed  
 April 2<sup>nd</sup>



18 Watson

April 2-1928 Could

PM. I write another letter to Watson  
pay \$1.28 for gas + oil Reed and I  
L. @ 2-50 PM. As Needler 4 PM.  
work till 6 PM. stay in Garage  
Cottage at Watson.

Carrie Emery is with Alma.  
Copy "Flanders Chain letter"

April 3-1928 Tuesday

Colder - wet - wind  $\pi$  over Hub

$\pi$  105 Page 9. Two stakes in line over  
lake bear N 45° 28' W about 1000 ft  $\textcircled{8}$   
Stk on Pt over lake N 53° 15' W about  
1200 ft?  $\textcircled{9}$

$\pi$  @ 105  $\textcircled{P}$  Run S 28° 05' W on in  
300-600-900 + 67 = 967. Hub on in

$\pi$  @ 105  $\textcircled{P}$  - Pops 45 23° 28' W 480 ft

$\pi$  @ 105 rim S 26° 49' W @ 600 Bank  
@ 656. 4 Tall white Birch stakes  
on bank at lat line in side of  
big hill  $\textcircled{L}$  "Fox Hole?"

$\pi$  over Hub 967. BS N 28° 05' E  
2 stakes over lake E stake bears  
N 7° 41' W 100 rods? dist =  $\textcircled{8}$



April 3-1928 contd

Tall stake on Point over lake bears  
N 16°09'W 100 rods ? or more ①

⊥ @ 967 Take shore line 4 ft in  
stake N 32°13'E 261 on bank

" N 40°05'E 187.7 " "

Check Transit N 28°05'E

2x2 oak line sqd up top off bears

S 79°20'E 107.2 S. side at base

secty 109  
1300 3" Pop S 55°30'E 134.4 to base <sup>or this may be long?</sup>

2" W. Oak S 40°05'E 116.4 to base <sup>216.4 ft</sup> <sup>? How long?</sup>

Run S 38°35'E @ 237.5 stake in WP  
stump @ 267.5 stake on shore lake  
line" V 7°10' read.

⊥ over 967 BS N 28°05'E run

S 28°05'W 300 + 250 + 138.4 = 688.4

= 2" Birch line on bank for lake  
line = 967 + 688.4 = 1655.4 ②

From Sta 105. Harry James and  
Reed help me.

PM

I get rubber boots and Reed  
get hi rubber 6" water on ice  
and air holes clear through



20

Watson

April 3rd 1928 Cont'd

$\pi$  over 967. <sup>(K)</sup>BS N 28° 05' E run  
 on ice S 59° 01' W <sup>9° 6'</sup> 606 ft <sup>(21)</sup> to Birch  
 Plug in lip of 10" stump on sand <sup>(Sta 21)</sup>  
 beach 6 ft to foot of big hill 10.  
 to stake line. From 967 <sup>(R)</sup>run

S 54° 08' W 300-600-209 = 809 to lip <sup>(20)</sup>  
 of 12" pine stump on beach 4 ft from  
 front - 6 from stake line on base of  
 big hill

$\pi$  @ 967 <sup>(K)</sup>run S 35° 12' W 300-600-  
 53.4 = 653.4 to 6" dead pop stp  
 on beach (top sharpened) 6 from  
 front 10 from pt for stakes

$\pi$  @ 967 <sup>(R)</sup>BS N 28° 05' E 2" Pop  
 1 ft from birch bears S 24° 16' W  
 300-200-189.3 = 689.3 spot at base

4" Birch 2 ft from birch bears  
 S 21° 40' W 300-200-175.5 = 675.5

5" Oak 2 ft from birch bears  
 S 15° 54' W 300-200-167.2 = 667 ft

3" Oak 3 ft from birch bears  
 S 13° 09' W 300-200-172.2 = 672.2

5" Oak on low shore 12 ft from  
 water bears S 8° 49' W 699.3 ft



April 3-1928 Continued

$\pi$  @ 967<sup>(16)</sup> BS N 28° 05' E run S 38° 32' E

@ 237.17 Spike in SW edge of pine stump on point of land then<sup>N° 17</sup> over lake arm  $301.3 + 237.0 =$

538.3<sup>(18)</sup> To white stake in sand at edge of sea wall on low beach Flat shore point for hub N° 18

Pack  $\pi$  back to Hub 105. (J)

BS N 53° 15' W and take low shore line

2" Birch stake in 12" WP stump 15 ft from foot of big hill and on sea wall 1 ft in and 10 from water S 17° 25' W 382.5

3" Birch 1 ft in 5 ft beach 10 ft water S 14° 30' W 343. ft

3" Oak 1 ft in 5 ft beach 10 ft water S 12° 10' W 291.8

4" JP on brink 5 ft beach 10 ft water S 8° 05' W 209.5

2" Birch stake on brink 9 from Beach 18 from water S 5° W 128. ft

Shore sea wall south 50 ft 18 ft water White water till 1-15 am.

*Jatin W. C. C.*



22 Watson

April 4-1928 Wed. Sec 4-5-137-27

Cloudy - raine a few drops last nite Reed and I  
Lve 8-45 <sup>①</sup> over 105 BS N 53° 15' W.

Check 4" Pops 23° 28' W 480 ft. See p 18.

Stake at West end of Ditch N 23° 10' W 16.2

" " East " " " N 30° 38' E

Ties to Hub 105. (J)

2" Birch S 44° W

r 7' 10'

4" Oak S 20° 33' E

Stakes 3. ft from birch

N 21 N 24° 45' W 107.0

2 N 30° 23' W 214.7

3 N 33° 12' W 289.0

4 N 36° 53' W 389.0

5 N 40° 41' W 513.0

300 + 213

6 N 43° 18' W 664.6

300-600 + 64.6

7 N 43° 36' W 752.8

300-600 +  
152.8

8 N 45° 28' W 921.6

3-6-9 + 211.6

9 N 53° 15' W 1118.0

3-6-9 + 218  
ON End of Point

Dinner at 12. M. 12.55 PM Alma calls  
from Jenkins and will go home to

Mildred with Mrs Carrie Emery

Address: Clason's Touring Atlas Of  
The United States<sup>2nd</sup> & Ontario<sup>2nd</sup>

Quebec: The Clason Map Co 228-230

W. Superior St Chicago<sup>3rd</sup> 1515 Tremont  
Place Denver Colo. 75.5 OK.



Lot 9. 5-137-27

23

April 4-1928 continued.

P.M. - Harry and his wife and mother go to Beaver. Reed and I go to

<sup>=2646.3 N</sup>  
1/4 Sec 4-5-137-27

<sup>2728.2 N</sup>  
X over 81.9 N of 1/4: Chain From  
<sup>=2746.3</sup>  
@ 100 - Bank R. 67 - 4 ft to water

@ 81.9 + 23.4 = <sup>=2751.6 N</sup> 105.3. Spike Hub

81.9 + 91.4 = 173.3 Spike Hub 2819.6 N

81.9 + 131.1 = 213 Bank R 57. water 4 ft <sup>=2857.3 N</sup>

81.9 + 270.1 = <sup>=2998.3 N</sup> 352. Spike Hub Bank R. 22 <sup>water 4 ft</sup>

X over <sup>=2998.3 N</sup> 352. Ch N + 67.7 = <sup>=3066.3 N</sup> 419.7 Spike Hub on corner of Brink 6 ft from water

419.7 + 40.3 = <sup>=3106.3 N</sup> 460 water 10 L shore 14 L

419.7 + 90.3 = <sup>=3156.3 N</sup> 510 water 40 L Bank 44 L

419.7 + 133.3 = <sup>=3199.3 N</sup> 553. water 40 L " 44 L

419.7 + 153.3 = <sup>=3219.3 N</sup> 573. " 37 L " 41 L

419.7 + 168.3 = <sup>=3234.3 N</sup> 588. " 14 L 34 L

419.7 + 300.3 = 720.0 = 3366.3 N

X over <sup>3366.3 N</sup> 720. N on ice Flag on Point

588° 03' W 211.5 = Sta No 16.

Brink S 81° 20' W 179

" S 74° W 155

" S 56° 30' W 116

" S 40° 20' W 105

" S 14° 45' W 133. Pack X so to Point

@ camp 6.05



24 Watson

April 5-1928 Thursday

Reed and I Lv early as usual 8 am.

Walk North across Camp Lake on ice

Cold - we wear overcoats. North wind

X over Sta ⑧ BS on Hut 105. ①

S 45° 28' E

N ⑦ bears S 53° 50' E 171 ft. Brink 3' Water 6' R.

3" Oak S 62° 30' E 89. to spot. Brink 3' Water 6' R.

Edge of low bank S 66° 20' E 67 - Water <sup>10</sup>R.

Brink S 68° 40' E 37 ft. Water 10 ft R.

Brink South 2 ft Water 10 ft South

π still ⑧ BS S 45° 28' E - Run

N 45° 28' W 73 ft To Sta ⑩

Spik in brink N. Edge of Point ⑩

Flat spot at base 10 inch Pine Stub

N 84° 10' W 36.15 ft on low Brink 6' Water

3" JPN 81° W 128.5 on brink Water 8 ft S.

Stake on N Brink of Point N 68° 30' W

127.5 feet

N. Edge of Point N 6° 15' E 65 ft

N 31° E 103. Both 6. Ft so of water

N 39° 10' E 138 ft to Birch Stake N 2 ⑪

3 ft to Brink 6 ft to water

π still ⑧ Sta ⑧ Foot of Big Hill

N 36° 10' E 122.5 = 2" Birch Foot of Big Hill

N 62° 25' E 92.3 to 3" Willow at Foot.



April 5<sup>th</sup> 1928 continued

3" Oak S85°E92. = Foot Big Hill

S73°E75 Ft to 6" Oak " " "

BS-S45°28'E and run N84°32'W

239.8 Ft to Sta N<sup>o</sup> (9)

Looking South

about 1/2 mile - over Lake  $\pi$  @ Sta "8"

Look S12°58'W to Stump "809" Page 20. This book

S16°19'W to what maybe Stump "906" Pg 20

S16°20'E to Flag 3 Ft from Fox Hole in Bank

S9°01'E to 2x2 White Stake Near Dock (19)

Var Reads 7°30'E. just as a check

P.M.

"Gil" James cuts brush around swamp  
(working in place of his son Harry)

Reed <sup>94</sup> I walk back North over Lake

$\pi$  over Sta N<sup>o</sup> (9)

BS-S53°15'E Take Brink

S76°E 28 ft Water 1. foot south

S42°W 16 ft. Water 1. Foot South

S75°W 28 " " 1. " "

N65°20'W 116. Fth sharp Point of land

N65°20'W 180 " " Point of rocks

N59°20'W 94 " " E 10" Stump water 2' N

N22°40'W 40 " " Brink Water 1. Ft North

N33°E 36 Ft to Brink - Water 1. Ft N



26 Watson

April 5-1928 continued

$\pi$  still @ Sta N<sup>o</sup> 9

N 66°30'E 65 Ft to Brink-Water 1. Ft North.

Sta (8) bears S 84°33'E

Looking South

About 1/2 mile - Over Lake:

stake on bank S 37°05'E

Stake and Fox Hole S 25°38'E (L)

2" Birch Stake S 24°02'E

" " " S 22°10'E

Wolf Hole in bank? S 21°22'E

2" Oak Tree, squared. S 19°30'E

2x2 White Stake near Dock S 15°02'E - Sta (19)

12" Stump 809" P 20-21 - S 6°09'W - Sta (20)

stump 906" P 20 - S 9°35'W Sta (21)

Sta N<sup>o</sup> 1? S 56°06'E Sta N<sup>o</sup> 2? S 58°25'E

" " 3? S 59°55'E " " 4? S 61°38'E

" " 5? S 63°31'E " " 6? S 67°10'E

" " 7? S 71°51'E " " 8 S 84°33'E

Taking North Shore

2" Birch Stake N 75°30'E

" " " N 68°17'E

" " " N 62°50'E

" " " N 57°14'E

Stake on Point N 56°33'E = N<sup>o</sup> (16)



April 5-1928 continued.

$\pi$  over Sta N° (10) BS-S 45°28'E on (105)  
Sta N° 11-N 68°09'E 150.

" " 12-N 63°14'E 300+183.8 = 483.8 <sup>Brink 4</sup> Water 6' FTL  
" " 13-N 57°14'E 3-6+16.7 = 616.7 <sup>Brink 2'</sup> Water 4' L

At Foot of Big Hill

" " 14-N 52°32'E 3-6+81 = 681. <sup>2" Willow</sup> Water 2' L  
" " 15-N 51°05'E 3-6+118.5 = 718.5 - Water 2' L  
" " (16) N 50°42'E 3-6+178.5 = 778.5 <sup>Water</sup> 2' L

'16' = Braced Birch Pole on Point. Pg 23.

$\pi$  still @ Sta 10. Look South

2x2 white Stake at Dock S 10°08'E - Sta (19)

Pack Transit South To Sta (18) Pg 21

$\pi$  over 538.3 = Sta (18) BS on Spik  
in stump 237. = Sta (17) Pg 21 This Book  
N 38°32'W

Sta (17) Bears N 38°32'W 301.3 Feet

$\pi$  @ (18) Take Shore Line

4" Stub N 33°40'W 230.3 Walin 4 ft South

3" Willow N 13°35'W 173 Ft. = Foot of Hill

6. Ft from Water. = W. Bdry of Swamp  
N 4°W 97. Ft to Stake in E-mouth 4 ft  
creek Runs West. Swampy North  
salial land south

N 3°10'E 140.5 = 2" Alder Foot Hill - Edg Marsh



28 Watson

April 5-1928 Continued

$\pi$  still @ Sta 18"

N 1° 30' E 101. Ft @ 4' Creek @ sea wall Edge

N 10° E 104. Ft to @ 4' Creek, <sup>Dry on S. side</sup> Swamp N.

N 12° 10' E 125 = 3" Willowy-Edge Marsh Foot H. 11

N 20° E 101. Stake @ 4' creek. Solid Land N & S

N 44° 30' E 97.6 @ 4' Creek where same

leaves marsh: Solid Land Both sides

### Take Lake Shore

2" J.P.S 30° 45' W 82. Ft on Brink Water 15 R

2" J.P.S 35° 05' W 145. " " " 15' R

Stake S 40° W 202. " " " 15 R

" S 45° 15' W 282 " " " 12' R

" S 49° 45' W 275.2 + 110.5 = 385.7 " " " 15 R

S 51° 50' W 273.2 to dock 18 ft from

West End + 180.4 = 453.6 to 2" J.P. " 15 R

2 x 2 white Stake Near Dock Ne (19) Bur

S 44° 48' W 284. Pg 25-26-27 This Both

"Stub" John Schneider. Walke Pool-Hall

man comes - also "Young" Bilben-

stays 30 minutes Lvs @ 5-30 P.M.

I write these notes till 10-50 pm

Nati's Reed wears Watson's Rubbers.

I wear Harry James Rubber Boots

John W. Cline



April-6-1928 Friday

Reedland I- Harry C. James cuts brush around Swamp

T over N<sup>o</sup> 18. BS N38°32'W

Edge of Swamp

N30°E80.: S67°E81.: S49°E100. S37°30'E110

S37°30'E125.: S49°E140. S68°E194

S87°E286.5 to white Stake S. Side Swamp

N43°E156.: N49°E225.: N53°30'E260.

N56°05'E300. + 7.6 = 307.6 Hub @ N. Edge

T over 307.6 BS S56°05'W

Edge of Swamp

N40°E70.: N35°E140.: N40°E175.: N47°E195

N54°E208.: N69°E240.: N79°E247.:

S87°E240.: S70°E228.: S62°E252.

S56°30'E303.: S50°E263.: S36°E chain breaks 293-55 = 238.

White stake south side of swamp bears S 9°32'E 243.8-55 = 188.8 (chain is broke)

Walk to camp at 11 AM and write Notes till noon Wm E. G Watson

Calls from Minneapolis for Harry to meet him at 12.45 PM train at Brainerd. Mr<sup>2nd</sup> Mrs. Gildames go home to Walker via Brainerd with Harry. - Alice<sup>2nd</sup> Bobbie stay home

Jahn W @ meo



30 Watson

April 6-1928. continued

P.M.

Addresses: "Van Hoffman's A.B.C.  
Directory of Minneapolis and Suburbs  
Van Hoffman Corporation Commercial Bldg  
Minneapolis Minn: Geneva 1923; Geneva 1924  
For Spring 1927"

Lot 9-Sec 5-137-27. I look up ties to  
West Boundary. See Ben Christian  
survey Book No 158-Michener (B) Pg 89.

E 1/16 Bet 5<sup>th</sup> and 8-137-27 =

SW Cor Gov Lot 9-Sec 5-137-27

Ties OAK 5' NE 45.00  
NP 12' NW 30.50 T. Plot spot at Base  
JP 11 SE 41.00

@ Old Notes say also: Feb 20-1926 Chain  
"North on W. Side Lot 9. Sec 5-137-27

@ 76 = 2 rods E-W. @ 250 stake on S. S side  
of Draw + 300 = 550 stake on side hill  
over Draw; + 200.7 = 750.7 tall birch  
stake on true line on hi' brink 75 ft S  
of water - about. Ox Lake

Ties to 750.7 N

Oak 9 West 23.8  
Oak 10 S (about) 10 W 26.3

825.7 N (about) water's edge (Not chd  
down big hill)



April 6-1928-cont'd

12-40 PM - Reed and I go west and find SW Cor Lot 9 = BTS and old spike. My old line looking N is full of new brush. Reed sets red flag about on line N of road and we walk N but find only the BTS to 750.7 N.

Chain in roughly set T @ 750.7 on N Brink of Big Hill. Ch down hill North on line line W. Seal 119.  $750.7 + 57.6 = 808.3$  N =  $1\frac{1}{2}$ " spruce trees on line on side hill.

$750.7 + 61.3 = 812$ . Top of sharp bank 8 ft. hi.  $750.7 + 69.3 = 820$ . Foot of hill = edge of water.  $750.7 + 73.8 = 824.5$  intersect traverse line on ice 31.5 ft from stump station 906 (= Sta 21)

Page 20-

and 89.8 ft from stump Sta 809. (= Sta 20")

Page 20-21-26-

Stump @ Sta 20 to 21 is 121.3 Ft.

Back to cottage 3.15 PM Find Harry back with Wm E. G. Watson and his son John "8 years old" Talk with Watson one hour Then write notes.

John W. Cress



32 Watson

Lot 5 4-137-27

April 6-1928 continued

Ties copied

1/16 Cor in center of SW 1/4 Sec 4-137-27

= SEC Cor Gov Lot 5 Sec 4 = 20<sup>th</sup> spike

Oak 6 N 11° 10' E 33.10 { To Flat Spot V 7°

" 5 S 55° 30' E 7.80

Turned From what we used as True North  
in the Ben Christian Survey Book 158

See Page 7. This Book.

Ties

1/16 Cor in center of West Half Sec 4-

= NE Cor Gov Lot 5 Sec 4 = 20<sup>th</sup> spike

Green Oak stump 10. N 89° 37' W 87.65

Oak 10 S 22° 10' W 53.55 Page 87 Book 158

North wind Cold night Reed and I in

cottage keeping hot fire - Watson in Main Bldg

9-30 quit writing notes.



Apr 6-1928 crates

INDEX

33

On page Points on page

|                                                 |                                         |
|-------------------------------------------------|-----------------------------------------|
| <sup>Page</sup><br>A 8-9-10-12-15-16            | <sup>pg</sup><br>B 8-9-11-12-15-16      |
| C 8-9-11-12-13-15-16                            | D 8-9-11-12-13-15-16                    |
| E 8-9-11-12-13-15-16                            | F 8-9-11-12-15                          |
| G 8-9-11-12-15                                  | H 8-9-14-16                             |
| ① 22-26                                         | ② 22-26                                 |
| ③ 22-26                                         | ④ 22-26                                 |
| ⑤ 22-26                                         | ⑥ 22-26                                 |
| ⑦ 22-24-26                                      | ⑧ 18-22-24-25-26                        |
| ⑨ 18-22-25-26                                   | ⑩ 24-27                                 |
| ⑪ 24-27                                         | ⑫ 27                                    |
| ⑬ 27                                            | ⑭ 27                                    |
| ⑮ 27                                            | ⑯ 23-26-27                              |
| ⑰ 21-27                                         | ⑱ 21-27-28-29                           |
| ⑲ <sup>2x2 White Siko Deck</sup><br>25-26-27-28 | ⑳ 20-25-26-31                           |
| ㉑ <sup>=906</sup><br>20-25-26-31                | ㉒ <sup>= Birch 165514</sup><br>22-19    |
| ㉓ 8-9                                           | ㉔ <sup>105</sup><br>9-14-18-19-21-22-24 |
| ㉕ <sup>967 on LK</sup><br>18-19-20              | ㉖ <sup>Fox Hole</sup><br>18-25-26       |



34 Watson

April 7-1928 Sat

Watson and Son are at his cottage "The  
Needles" Tel 55 F22. South end  
Camp Lake on Gov Lot 9-Sec 5-137-27

Cold Northwind Lake frozen again  
Ice OK. Reed and I go over Gov Lot 5  
Sec 4-137-27 Back to camp 9-45 am

Talk with Watson who may want me to  
stake his new plat which W.O. Deringer or  
someone else in the cities has drawn for  
Watson from my sketch of Lot 5-Sec 4-137-27 -  
which I sent Watson Monday

Note: Harry James says Watson's  
men have already sold 2 Lots  
@ \$600. each already before the plat  
is filed or staked

Mr Watson says he will send me a ck  
Monday and will call for me at Jenkins  
Wednesday. Reed and I beat it for home  
to make plat of lake shore in Lot 9,  
5-137-27. We call at Bert Michener's  
Cottage No one in any of the cottages

Friend Parker here just off the road  
at top of hill new Buick car Buick  
2 door Licen Minn B 10-312. Engine No  
1694714



April 7-1928 cont'd

Cor has Full bumper and bumper. Span  
m'd Geffert Auto Co Northfield Minn  
We note contents thru glass window viz  
O.D. Army shirt. Blue pants. Army jacket  
low shoe about H:9. Contents - Flash light  
Field glasses: common old clatter winger  
Auto robe. shoes. Note this cor may be OK.  
and may not.?

Call at Char Weibers and at Pine  
River Michener not home - 12-moon

At Jenkins 12-20 - eat dinner  
Alma gets home from Mildred about 4-30  
PM. Lennis Emery brother

Reed and I haul wood in our Ford.

April 8-1928 Sunday

All day at home in Jenkins



36 Watson

April 9-1928 Monday

I wrote Watson that I would plat up and send my survey just made in Gov Lot 9-Sec 5 137-27-- That if we hustled we could get Lot 5 Sec 4-137-27 staked and ready to be approved by commissioners at their first meeting and that I would personally attend meeting and see that plat was approved. Also that if I got the work of staking Lot 4, I would like to buy his Ford car which Mr James thought could be bot at \$200.

This is the day Mr Watson said he would send me a check on account of work I have already done

I work all day on map in my office - no check came. I will charge full 8 Hours - 1 day



April 10-1928 Tues

|            |   |                                       |
|------------|---|---------------------------------------|
| 00         | = | SECOR Lot 9-5-137-27 = Sec Cor        |
| 13 23.15 N | = | S 1/16 Bet Seas 4-5-137-29            |
| 20 40 00 N | = | Foot Hill NE-SW                       |
| 21 68.00 N | = | Hub 'I'                               |
| 22 09.50 N | = | Spike on line                         |
| 22 37.50 N | = | "H" spike on Lot Line                 |
| 22 45 00 N | = | ENT ICE                               |
| 23 31.10 N | = | Spike on ice @ ditch                  |
| 24 20 00 N | = | LV ICE                                |
| 24 30 00 N | = | Sea wall                              |
| 24 46 30 N | = | 1/4 Cor                               |
| 27 28 20 N | = | Spike Hub on hill                     |
| 27 46 30 N | = | Brink 67 R. Water 71 R                |
| 27 51.60 N | = | Spike Hub                             |
| 28 19.30 N | = | Spike Hub                             |
| 28 59.30 N | = | Brink 57 R. Water 61 R.               |
| 29 98.30 N | = | Spike Hub Brink 22 R. Water 26 R      |
| 30 66.00 N | = | Spike Hub on Brink skline 6' to water |
| 31 06.30 N | = | Edgewater 10' L; Sea wall 14 L        |
| 31 56.30 N | = | " " 40 L; " " 44 L                    |
| 31 99.30 N | = | " " 40 L; " " 44 L                    |
| 32 19.30 N | = | " " 37' L; " " 41 L                   |
| 32 34.30 N | = | " " 14 L; " " 34 L                    |
| 33 66.30 N | = | SPike on line Pg 23                   |



April 10-1928 continued

All day in office platting Gov Lot 9-5-137-27

No check came to-day

Sta on ice 720' = 3366.3N Pg 23.

<sup>211.5 To Sta 10</sup>  
 S88°03'W = 1°57' Tang = .03405 = 34.05 in 1000

<sup>Base of car</sup>

Page 10- S89°11'E @ 15 seawall, at 25 water

Pg 6-Shore Line Pg 13 Ditch Pg 14 seawall - 'J' 105

P15 S58°05'E = 31°55' Tang = 622.85 719.7

S47°55'E 823.5 Tang = 42.05' = 903.04

S32°E 872.5 Tang = 624.87

S21°05'E 894.5 Pg 8 Tang = 385.53

S16°24'E 554.5 F Pg 8-9 Tang = 294.32 ~ 1000

S6°41'E 449 To G Tang = 117.18

S89°E 841.5 To A 1' = 174.6 ~ 1000

S89°11'E = True Line Tang = 0.44' = 14.25

No Check. Cloudy, Dark. So wind warmer

Reed and I take Ramsey's boat into Mud

Lake. Some fish too dark to spear.

Lake showed out around edges.

4 Hour = 1/2 day

April 11-1928 Wednesday

Raining south wind - warm. Work on Plat

Pg 18 105 = 13' N 45° 28' W 921.6 To B

44°32' Tang = 983.84 ~ 1000 Page 22

9 N 53°15' W 1118 Pg 22 36°45' Tang = 746.75

SNOW No check yet 4 Hour work. I help Dwight

Cham Sable Filling Slo gds 2 hrs

April 12-1928 Thursday

Clear and cold North wind. work on plat.

I call The Needles 55 F 22 PM 204 Mrs

Jamies says she will call Jenkins to Sta when

Water corner. WORK ON Plat Pg 22

N 24°45' W 107 To Stk 1. Tang = 461.01 in 1000

N 30°23' W 214.7 " 2 " = 586.31

N 33°12' W 289 To Stk 3 " = 654.38

N 36°53' W 389 " 4 " = 750.37

N 40°41' W 513 " 5 " = 859.63

N 43°18' W 604.6 " 6 " = 942.35

N 43°36' W 752.8 " 7 " = 952.29



April 12-1928 continued

| plotting        |               |               |        | Pg 22                      |
|-----------------|---------------|---------------|--------|----------------------------|
| N 45°28' W      | 921.6         | To Stk 8      | Tang = | 1016.42 in 1000            |
| N 53°15' W      | 1118.         | To " 9        | " =    | 1339.16 " "                |
| Pg 24 To Stk 8. | Pg 25 To " 9. | To " 10 Pg 27 |        |                            |
| N 63°14' E      | 483.8         | To Stk 12     | Tang = | 26°40' Tang 504.41 in 1000 |
| N 57°14' E      | 616.7         | To " 13       | " =    | 32°46' Tang 643.63         |
| N 52°32' E      | 681           | To " 14       | " =    | 37°28' " 766.40            |
| N 51°05' E      | 718.5         | To " 15       | " =    | 38°55' " 807.38            |
| N 50°42' E      | 778.5         | To (16)       | " =    | 39°18' " 818.49            |

|                      |          |         |        |                              |
|----------------------|----------|---------|--------|------------------------------|
| Pg 33-18-19-20-K 967 | To " 967 |         |        |                              |
| S 28°05' W           | 967      | + 688.4 | =      | 1655.4 Tang = 533.58 in 1000 |
| S 59°01' W           | 906      | To (21) | Tang = | 30°59' = 600.46 in 1000      |
| S 54°08' W           | 804      | To (20) | Tang = | 35°52' = 722.99 in 1000      |
| Pg 20-S 35°12' W     | 653.4    | Tang =  |        | 705.42 in 1000               |
| S 24°16' W           | 689.3    | "       | " =    | 45°08'                       |
| S 21°40' W           | 675.5    | "       | " =    | 39°27'                       |
| S 15°54' W           | 667.     | "       | " =    | 28°48'                       |
| S 13°09' W           | 672.2    | "       | " =    | 23°43'                       |
| S 8°49' W            | 699.3    | "       | " =    | 155.11                       |

All day on map. No check came. H H's work  
 Sign contract with H H's for HAKROSTUE FORM  
 @ 8150. I help DWIGHT chain Potato Horse 9 d 2 hrs

April 13-1928 Friday

9-30 AM at office on map. Cold North wind  
 Clouds and sunshiny calm.

|                              |       |        |        |
|------------------------------|-------|--------|--------|
| Page 18 To Stk J. S 23°28' W | 480   | Tang = | 434.12 |
| S 26°49' W                   | 600   | Tang = | 505.50 |
| S 26°49' W                   | 656.4 |        | 505.50 |

Page 19 To " K Taty shoe line

Book says also - S 40°05' E 116.4 seems short? Curo?

Note Page 19 This Book! It says

To " 967 (K)

3" Pop S 55°30' E 134.4

2" W. 00 K S 40°05' E 116.4

This does not seem to plot up right?

Either one distance is long or the other short?

Probably 116.4" is 176.4? or 216.4

Yes it is most likely 216.4

I will plot it 216.4 Curo



## April 13-1928 continued

Plattling See Page 21 Town 907.5 run

S38°32'E 237. Spine in SW edge of pine stump  
on point of land N°(17) Then over arm of lake

301.3 = 538.3 To Pine Hub (18)

Tang = 796.39 - 1000

Pg 21 Town 1. Take shore line S17°25'W 382.5

S14°30'W 348

S12°10'W 291.8

S8°05'W 209.5

S5°W 128

South 50 Ang. No check.

Rec Card and letter for Ito Babcock and John Mack

C/o John Curo From Miss Peggy Tooker Gen Del  
Chicago Ill. Mailed April 12-1928 1 PMI will hold these letters as duck and I to may  
becomingpm. Cold and Cloudy - still no mfg - Pg 27 Town 18  
Take shore line

(17) Bear N38°32'W 301.3

✓ N33°40'W 230.3 ✓ N13°35'W 173. ✓ N4°W 97 - creek ✓

✓ N3°10'E 140.5 Pg 28 N 1°30'E 101. ✓ creek ✓

✓ N10°E 104 = 8 creek. ✓ N12°10'E 125

N20°E 101 = 4 creek

N44°30'E 97.6 = 4 creek

Pg 28. Rev 544.48'W 284 = 2x2.57k. Tang = 993.0x

TRY 45°12' = 1007.01

Taking Swamp Pg 29 Town 18  
N80°E 80', # 567°E 81', S49°E 100 and 140:

S37°30'E 110 and 125', S68°E 194', S87°E 286.5 Stk

N43°E 156', N49°E 225', N53°30'E 260

N56°05'E 307.6 Tang = 33°55' Tang = 672.39

Town 307.4 Pg 29

Taking Swamp

N40°E 70 and 175', N35°E 140. N47°E 195 N54°E 208

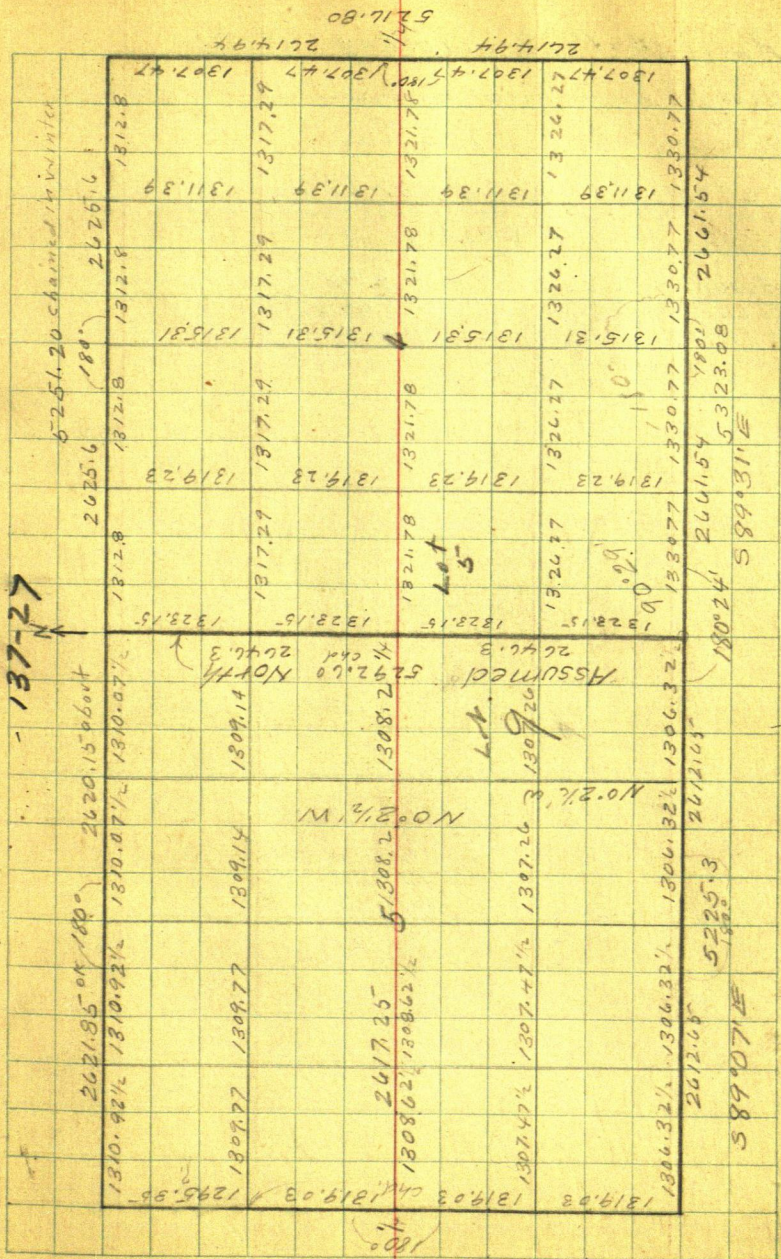
N69°E 240 N79°E 247',

S87°E 240', S70°E 228', S62°E 252', S55°30'E 303

S50°E 263', S36°E 238', S9°32'E 188.8 Check on

Stake (286.5) Note scale checks







April 14-1928-Saturday Watson

Bright Sunshine no snow Cold North wind  
9-30 am at office Platting

West side Lot 9- Sec 6-137-27 runs  $N 0^{\circ} 2 \frac{1}{2}' W$   
Tang = 000.72 in 1000 LESS than a foot in 1000  
cannot scale it See Page 41

Assuming Sec Line bet 4<sup>th</sup> and 5 as a meridian  
So Line of Sec 5 would run  $S 89^{\circ} 07' E =$   
 $0^{\circ} 53'$  Tang = 015.42 in 1000 ft 15.42 ft  
See Page 31 This Book



44

D

| Point | + S   | H I    | - S   | Elev   |
|-------|-------|--------|-------|--------|
| 0     |       |        |       | 100.00 |
| 0     |       |        |       | "      |
| 1     |       |        |       | 112.00 |
| TP    | 10.12 | 122.12 | 0.12  | 122.00 |
|       | 9.65  | 131.65 |       |        |
|       |       |        | 3.85  | 127.80 |
| TP.   | 3.11  | 132.56 | 2.20  | 129.45 |
|       |       |        | 4.70  | 127.86 |
| BM    |       |        | 4.12  | 128.44 |
| TP.   |       |        |       |        |
| "     | 2.75  | 132.80 | 2.51  | 130.05 |
|       |       |        | 5.00  | 127.80 |
| TP.   |       |        | 10.90 | 121.90 |
|       | 7.87  | 129.77 | 6.94  | 122.83 |
| TP.   |       |        | 0.18  | 129.59 |
|       | 9.11  | 138.70 | 4.20  | 134.50 |
| BM    |       |        | 3.63  | 135.07 |
| TP.   | 3.89  | 139.79 | 2.80  | 135.90 |
|       |       |        | 4.80  | 135.00 |
| IP    | 2.65  | 135.44 | 7.00  | 132.79 |
|       |       |        | 4.74  | 130.70 |
|       |       |        | 5.6   |        |
| TP    |       |        | 7.72  | 127.72 |



Remarks T137R27

- Top of water under Pine River Bridge assumed

= Top of rail & Westside Bridge  
measured from water

E wheel track road on side hill n of ridge

a road top of hill 150' NE of Bridge  
small stone in & road  
in sand + of road

root of 8" I.P. 45' SE of IP of Roads E-S-W  
at  $\frac{1}{4}$  Cor Bet Secs

150 per W  
peg EEW Road 20 rods W of 1/4 Cor

Equal 300 Paces W. of Cor

Peg in low spot @ road 450 paces W of 1/4

Low Spot & road 577 Paces W of 1/4 B of 11-12

Pea So. of Road 631 Paces W of  $\frac{1}{4}$  Cor

Good 700 Paces W of 1/4 Bct 4-12-7

10" SP 355 of Road and 750 pps west

Q road 800 Paces W

|     |    |   |
|-----|----|---|
| 927 | 11 | W |
|-----|----|---|

Peg & road 10.54 paces W of  $\frac{1}{4}$  Cor B of 11-12

1030 PCS West

11/10 Process & road

1730 Pces W

From PR Bridge North  
along E. Coroad

From  $\frac{1}{4}$  Cor Bet 11-12-West  
along & road



46

2

| Point | +S    | HI     | -S    | Elev   | Grade |
|-------|-------|--------|-------|--------|-------|
| TP    | 0.10  | 127.82 |       | 127.72 |       |
|       |       |        | 4.80  | 123.   |       |
| TP    |       |        | 0.71  | 127.11 |       |
|       | 4.70  | 131.81 | 4.80  | 127.00 |       |
| TP    | 8.62  | 140.22 | 0.21  | 131.60 |       |
| BM    |       |        | 4.30  | 135.92 |       |
|       |       |        | 5.00  | 135.22 |       |
| TP    | 8.88  | 148.90 | 0.20  | 140.02 |       |
| TP    |       |        | 1.24  | 147.66 |       |
|       | 11.98 | 159.64 | 5.00  | 154.64 |       |
| BM    |       |        | 4.80  | 154.84 |       |
| TP    | 1.78  | 159.24 | 2.18  | 157.46 |       |
|       |       |        | 5.24  | 154.00 |       |
| TP    | 4.82  | 156.06 | 8.00  | 151.24 |       |
|       |       |        | 5.00  | 151.00 |       |
| BM    |       |        | 5.74  | 150.32 |       |
| TP    | 9.79  | 166.53 | 0.68  | 156.74 |       |
|       |       |        | 5.00  | 161.5  |       |
| TP    | 1.18  | 162.41 | 5.30  | 161.23 |       |
|       |       |        | 5.00  | 157.4  |       |
|       |       |        | 13.60 | 148.8  |       |
| TP    | 1.00  | 154.94 | 8.47  | 153.94 |       |
|       |       |        | 5.00  | 150    |       |
| TP    |       |        | 11.19 | 143.75 |       |



Curo T  
Johnson Flg

2

47

REMARKS 137-29

Running West On E Twp Road E-W & Sec 11

Q road 1258 Paces W of 1/4 Bot Secs 11-12

1258 + 128 = 1386 Paces W

1386 + 144 = 1530 PCS W

1530 + 144 = 1674 PCS W

1674 + 37 = 1711 PCS W on top of Big stone in what

Birch SE of crossing of wagon road N-S E-W

<sup>1793</sup>  
1711 + 82 = 1793 PCS W

1793 + 57 = 1850 Paces W Peg

1850 + 167 = 2017 PCS W

2017 + 129 = 2146 PCS Peg near

Scrub in Tel Pole 4 PCS L @ 2144 PCS W

2146 - 129 = 2275 PCS W

2275 + 119 = 2394 PCS W

2394 + 119 = 2513 Paces W

2513 + 138 = 2652 PCS W

Top Birch Block N side Tel Pole 6 <sup>paces</sup> SE 2652 W

65 PCS S + 2652 W on rock in N-S Road

65 + 88 = 153 PCS S in road

153 + 88 = 241 PCS S. 2652 W

241 + 48 = 289 PCS S of Q Sec 10?

289 + 48 = 337 PCS S in W-Cor of Bog

337 + 87 = 424 PCS S

424 + 48 PCS S = 472

472 + 100 = 572 PCS S

Running West on  
Road to Center of Sec 11

From Center of Sec 11  
South to Bridge @  
1/2 Sec 10-11



48

3

| point | +S   | HI     | -S    | Elev   | Grade |
|-------|------|--------|-------|--------|-------|
|       | 0.40 | 144.15 |       | 143.75 |       |
|       |      |        | 5.15  | 139.00 |       |
|       |      |        | 9.25  | 135.0  |       |
| TP.   | 0.23 | 132.76 | 11.62 | 132.53 |       |
|       |      |        | 5.00  | 128.0  |       |
|       |      |        | 13.76 | 119.00 |       |
|       |      |        | 11.18 | 121.58 |       |
|       |      |        | 8.38  | 124.38 |       |
|       |      |        |       | 113.58 |       |



## REMARKS

137-29

South from center sec 11 to Pine  
Running River Bridge @ 1/4 cor Bct 10-11

@ 572+87=659 Paces So

659-61=720 Pcs S

659+82=741 Pcs S.

741+14=755 Pcs S

755+90=845 S.

755+130=885 Pcs So = Q Bridge

On top of West rail in center of Bridge  
10.80? above water 6-PM. Today will  
= check this later 10-30 AM tomorrow



50

4

May 29-1928 Tuesday

Point + s HI - s Elev Grade

|   |      |        |  |        |  |
|---|------|--------|--|--------|--|
| 1 | 8.84 | 120.86 |  | 112.00 |  |
|---|------|--------|--|--------|--|

|  |  |  |      |        |  |
|--|--|--|------|--------|--|
|  |  |  | 5.00 | 115.86 |  |
|--|--|--|------|--------|--|

|         |      |        |      |        |  |
|---------|------|--------|------|--------|--|
| B.M. TP | 3.62 | 122.94 | 1.54 | 119.32 |  |
|---------|------|--------|------|--------|--|

|  |  |  |   |     |  |
|--|--|--|---|-----|--|
|  |  |  | 5 | 118 |  |
|--|--|--|---|-----|--|

|     |      |        |      |        |  |
|-----|------|--------|------|--------|--|
| TP. | 4.51 | 123.07 | 4.38 | 118.56 |  |
|-----|------|--------|------|--------|--|

|  |  |  |    |  |  |
|--|--|--|----|--|--|
|  |  |  | 5. |  |  |
|--|--|--|----|--|--|

|  |       |        |      |        |  |
|--|-------|--------|------|--------|--|
|  | 11.37 | 132.49 | 1.95 | 121.12 |  |
|--|-------|--------|------|--------|--|

|  |  |  |    |       |  |
|--|--|--|----|-------|--|
|  |  |  | 3. | 129.0 |  |
|--|--|--|----|-------|--|

|     |      |        |      |        |  |
|-----|------|--------|------|--------|--|
| TP. | 4.87 | 134.02 | 3.34 | 129.15 |  |
|-----|------|--------|------|--------|--|

|  |  |  |   |       |  |
|--|--|--|---|-------|--|
|  |  |  | 5 | 129.0 |  |
|--|--|--|---|-------|--|

|      |  |  |      |        |  |
|------|--|--|------|--------|--|
| B.M. |  |  | 3.49 | 130.53 |  |
|------|--|--|------|--------|--|

|     |      |        |      |       |  |
|-----|------|--------|------|-------|--|
| TP. | 3.39 | 132.39 | 5.02 | 129.0 |  |
|-----|------|--------|------|-------|--|

|  |  |  |    |       |  |
|--|--|--|----|-------|--|
|  |  |  | 5. | 127.4 |  |
|--|--|--|----|-------|--|

|     |      |        |      |        |  |
|-----|------|--------|------|--------|--|
| TP. | 6.16 | 134.08 | 4.47 | 127.92 |  |
|-----|------|--------|------|--------|--|

|  |  |  |    |  |  |
|--|--|--|----|--|--|
|  |  |  | 5. |  |  |
|--|--|--|----|--|--|

|     |      |        |      |        |  |
|-----|------|--------|------|--------|--|
| TP. | 2.77 | 132.56 | 4.29 | 129.79 |  |
|-----|------|--------|------|--------|--|

|  |  |  |   |  |  |
|--|--|--|---|--|--|
|  |  |  | 5 |  |  |
|--|--|--|---|--|--|

|      |  |  |      |        |  |
|------|--|--|------|--------|--|
| B.M. |  |  | 4.68 | 127.88 |  |
|------|--|--|------|--------|--|

|     |      |        |      |        |  |
|-----|------|--------|------|--------|--|
| TP. | 3.10 | 128.11 | 7.55 | 125.01 |  |
|-----|------|--------|------|--------|--|

|  |  |  |   |        |  |
|--|--|--|---|--------|--|
|  |  |  | 3 | 126.11 |  |
|--|--|--|---|--------|--|

|  |  |  |   |     |  |
|--|--|--|---|-----|--|
|  |  |  | 5 | 123 |  |
|--|--|--|---|-----|--|

|  |      |        |       |        |  |
|--|------|--------|-------|--------|--|
|  | 0.11 | 116.64 | 11.58 | 116.53 |  |
|--|------|--------|-------|--------|--|



Running South From Pine River Bridge N-1  
along cor road Bet Sec 11-12

Top of rail & W side PR Bridge Bet Sec  
11-12-137-29

124 Paces So of Bridge

On Top of 2" NP Stp  $124 + 23 = 147$  S

$147 + 43 = 190$  Pcs S

$190 + 43 = 233$  Pcs S

$233 + 24 = 257$

$257 + 24 = 281$

$281 + 71 = 352$  S

$352 + 71 = 423$  Paces So of Bridge

$423 + 127 = 550$

On top of 3" JP Stump 35 ft NW of <sup>Cor</sup> 11-12-13-14

$550 + 127 = 677$  Pcs So of Bridge

$677 + 148 = 825$  Pcs S

$825 + 148 = 973$  "

$973 + 175 = 1148$

$1148 + 175 = 1323$  Pcs S

$1323 + 181 = 1504$  Pcs S = at  $1/4$  Bet 13-14

Root 10" JP. 24 Paces SE of  $1/4$  Bet 12-13

$1504 + 181 = 1685$  S

$1685 + 147 = 1832$  S

$1832 + 88 = 1920$  S

$1832 + 145 = 1977$  S



52

5

| Point | + S  | HI     | - S   | Elev   | Grade |
|-------|------|--------|-------|--------|-------|
|       |      | 116.64 |       |        |       |
|       |      |        | 5.    | 111.   |       |
| TP.   | 0.69 | 110.39 | 6.94  | 109.70 |       |
|       |      |        | 8.40  |        |       |
|       |      |        | 13.00 | 97.39  |       |
|       |      |        | 5.00  |        |       |
| BM    |      |        | 3.40  | 106.99 |       |
| TP.   |      |        | 0.46  | 109.93 |       |

Running SW along old road

|     |      |        |       |        |  |
|-----|------|--------|-------|--------|--|
|     | 6.52 | 116.45 |       | 109.93 |  |
| TP. | 7.72 | 123.53 | 0.64  | 115.81 |  |
| TP. | 0.62 | 119.85 | 4.30  | 119.23 |  |
| TP  | 5.88 | 114.07 | 11.66 | 108.19 |  |
|     |      |        | 7.95  | 106.12 |  |
|     |      |        | 10.55 | 103.52 |  |
| Bm. |      |        | 5.59  | 108.48 |  |

Drive to N End Raf Lake

|     |       |        |      |        |  |
|-----|-------|--------|------|--------|--|
| BM  | 12.35 | 118.47 |      | 106.12 |  |
| BM. |       |        | 1.86 | 116.61 |  |
| TP  | 9.14  | 123.76 | 3.85 | 114.62 |  |
|     |       |        | 8.70 | 115.   |  |
|     |       |        | 8.50 | 115.26 |  |



## REMARKS

1977+22=1999

1999+22=2021 S

2021+60=2081 S & road

2081 S Top of water in bog & Edge Road

2081+53=2134 S & road

On top 1st post 20 of archway Red Rambler  
Lodge

2134+74=2208 S

Eat Lunch PM.

on water E End Rat Lake - Deer Lake  
in bog 100 ft E Rat Lake

Peg 3 ft N of Bunch small oak 10' E of  
Rat fence 10' W of road

On Water at N End Rat Lake

NW Root 14" DP. 15 PCS N of Rat fence

In old E-W Road Grade

In reverse NW Rat Lake

Highest Pt in Lowest draw

Note 134 PCS E-W across Draw 7.22' contour

RUNNING SW along old road  
THREE SE 5# SEC 14. TO  
DEER LAKE



54

| Point | + S  | H I    | - S  | Elev.            | Grade |
|-------|------|--------|------|------------------|-------|
|       |      | 123.76 |      |                  |       |
| T.P.  | 9.37 | 129.62 | 3.51 | 120.25<br>+20.35 |       |
| T.P.  | 4.50 | 131.17 | 2.95 | 126.67           |       |
| BM    |      |        | 6.43 | 124.74           |       |



Peg. 2 <sup>1/2</sup> of old Road NE-SW So of Pine River  
Peg in S. Wheel Track

N. Root 10" Dead J.P. Stump <sup>about 40 ft</sup> West of I.P.

Fork of old road NW-S-NE

Quit at 5.15 PM. OK BS-P.D.Q

### Notes

Norway Brook 3300 minute feet

Pine River 1300 " "

Total 4600 " "

Above PR 9.6 Ft Dam

Below 17.0 " "

Total Development 115 H.P. ?

Leffel' Geological Survey

Seepage ? Will rainfall = Evap.

Evaporation ? - oration

Seepage by amt of Contour

Evaporation X area How long

Will it take to fill reservoir ?



56

7

JWCuro T

May 30-1928 Wed

Recd Curo Rod  
4-30 PM.

| Point   | + S   | HI     | - S  | Elev                        | Grade |
|---------|-------|--------|------|-----------------------------|-------|
| TPBM    | 11.58 | 121.51 |      | 109.93                      |       |
|         |       |        | 5.0  | 116.5                       |       |
|         |       |        | 0.37 | 121.14                      |       |
| T.P.    | 7.39  | 128.53 |      |                             |       |
|         |       |        | 5.0  |                             |       |
| BM      |       |        | 4.24 | 124.29                      |       |
| TP      | 3.32  | 127.71 | 4.14 | 124.39                      |       |
|         |       |        | 5.0  |                             |       |
| TP      | 3.79  | 126.15 | 5.35 | 122.36                      |       |
|         |       |        | 5.0  |                             |       |
| BM      |       |        | 2.47 | 123.68                      |       |
| T.P.    | 6.72  | 131.72 | 4.15 | 125.00                      |       |
|         |       |        | 5.00 | <sup>126.72</sup><br>127.72 |       |
| TP      | 4.09  | 134.89 | 0.92 | 130.80                      |       |
|         |       |        | 5.00 | 130.                        |       |
| T.P.BM. |       |        | 0.59 | 134.30                      |       |



## REMARKS

See Pg 52 THIS BOOK

TO CON

Running South along Co Road  $\frac{1}{4}$  mile 13-14-23-24

2208-S

2208+39= 2247 Paces South of Bridge N-1

2247+24=2271 S Peg W Side Road side Hill

2271+194=2465 Pcs S = See Cor 13-14-23-24

= Spike in Tel Pole 20 FT E of Sec Con

Thence Run West  $\frac{1}{4}$  Road Bet 14 & 23

332 Paces West

332+305=637 Paces West

637+115=752 W

752+about 300=1052 = 60' E of Town Hall

Outer Edge of Door Step Town Hall

1052+about 1500=1550 W of Town Hall

1550+500=2050 = 200 Pcs W. of <sup>Co</sup> 14-15-22-232050+about 800=2850 Pcs W at  $\frac{1}{4}$  Bet

Run North on road &amp; See

about 800 Pcs North

800+150=950 Pcs - Peg 3' NE of Curve

Quit 7-30 PM.



Oct 29-1928 Monday

W.D. O'Brien Survey

Most of Sec 15-137-28

October 9-1928

W.D. O'Brien Assistant General  
Freight Agent Room 726

Great Nor Ry Co St Paul Minn  
writes me asking that I survey his  
land -- I am away

Oct 25-1928 he writes again

Oct 29-1928 I write him that I  
have started his survey and ask  
him to send Abstract of title

O'Brien has sent copy of his letters  
to L.O. Johnson and Andrew  
Danielson Both of Star Route  
Pegot Minn whom he has appointed  
to assist me



②

Oct 29-1928 continued

All AM in Jenkins

11<sup>46</sup> P.O. order to Odin Naustvold Walker  
Minn Samaritan Dues to Dec 31-1928

\$5 cash to AM Shift Pine River  
on Woodman dues \$10 to Dwight  
Curo cash on acct. \$8.11 to Ellsworth  
Sotric in full for gas. \$3 to Alma  
for dress goods \$1. T. Reed

I write. 110 M Bobcock Gen  
Del Superior Wis also Harold J  
Cucco Gen Del Bend Oregon  
Mail tracing Shady Rest to Elec  
B P Co St Paul for 6 prints  
Dinner at home with Alma Reed  
and Mrs

PM

1-PM - to Jenkins with Reed and my  
Ford. Find Lew Johnson and  
Andrew Danielson just leaving home  
to meet me We drive in 2 cars  
to Cor 22-23-26-27-137-28

US Notes call for

|                      |       |    |
|----------------------|-------|----|
| 1/2 P 12 N 73 E 28 = | 19.48 | ft |
| " 12 N 56 W 97 =     | 64.02 | "  |
| " 16 S 55 E 43 =     | 28.38 | "  |
| " 16 S 66 W 84 =     | 55.44 | "  |



62 WDD'Brien

(3)

22-23-26-27-137-28 cont'd

We find sharp top of stone + in top in  
E of 3 roads N-S-W over which I  
set Transit but cannot check on  
any old stumps tho there are a lot here.

Stone was set by Co Surveyor  
Garrison 15 or 20 years ago and I  
coll stone OK

Focus N on point about 20 ft west  
of  $\frac{1}{4}$  Cor and mark

New BTS viz

JP 10 N  $52^{\circ}10'E$  38.85

NP Stump 15 N  $36^{\circ}15'W$  66.85 ft

JP 12 S  $77^{\circ}52'W$  160.45

JP 10 S  $22^{\circ}42'W$  108.75

JP 11 S  $65^{\circ}53'E$  37.42

To flat spot

Gurley  $\pi$  300 ft steel tape

Ole Hium comes and goes

We drive N to Cor

14-15-22-23-137-28

US Notes Coll for

Hard Pine 8 N  $47^{\circ}E$  110 = 72.60 ft

" " 9 N  $38^{\circ}W$  139 = 91.74 "

" " 55  $58^{\circ}E$  45 = 29.70

" " 7 S  $18^{\circ}12'W$  73 = 48.18

All are gone except old NE BT. Stamp

We find 12" stone set years ago  
in E-N-S-Road by Garrison

I mark cross in top of stone over  
which I set Transit



④  
14-15-22-23-137-28 cont'd

Focus half a mile so left about 20 ft  
West of line line and lake

New BTS Viz

Old US BT Stump N 59° 30' E 73.30 FT

This does not check for anything

Garrison's New Old BTS Viz

J.P. 14 N 65° 23' E 37.80 FT

J.P. 15 S 57° 25' W 52.38 "

J.P. 13 S 31° 20' E 70.75 "

My New J.P. 12 N 64° W 71.85

To Old and new spots Var reads 5' 30"

We drive half a mile so to

1/4 Cor Bet 22-23-137-28

US Notes Coll for

Y.Pine 7 N 59° W 23 = 15.18 FT

Hard P 7 N 60° E 14 = 9.24 "

We do not stop to look but work Transit  
on line here near the School House  
set 2 Hubs and took shot with  
red flag on v-s-line

Then drive 1/2 S and 1/2 W to

21-22-27-28-137-28 where

US Notes: J.P. 6 N 57° E 15 =

Ook 5 S 67° E 28 =

W.B. 6 S 53° W 18 =

J.P. 6 N 13° W 28 = 18.48

Page 38 Field Book N 27 Nov. 14 1923



64

⑤

21-22-27-28-137-28 Contd

Says See Co Record N: 178.

My Notes 1938 Book 27 March 14-1923 Says

New BTS 7'15' Var

Oak 3N 55°30'E 19.50 ft being West Oak  
in cluster of three

JP 12 N 16°W 19.10 to spot 8 ft up.

JP 7S 64W 62.6 to spot at base

Birch 3S 47°30'E 29.3 Corner folks

1 1/2 ft E of fence running south and  
1 ft So of r wheel trackWe dig and find no cor but find  
3" Oak from which we chain 19.50 to pt  
19.10 from Spot 8 ft up on 12" JP we set  
2x 20" Oak Hub for line Cor to.21-22-27-28-137-28 Work on  
line East and set a line of Hubs (2)  
East. Reed sets flag near

1/4 Cor Bet 22-27-137-28

Quit at dark - Johnson & Danielson  
go home in their cor. Reed and  
I drive home to Senheim Find  
some new Pups

John W Curo



| Time Sheet     | Working  | For | WDO'Brien | @ 8 1/5 x Exp |
|----------------|----------|-----|-----------|---------------|
| Oct 1928       | 29 30 31 | Nov | 1 2 3 4   | SUN           |
| John W Caro    | 1/2 PM   | 1   | 1         | 1             |
| Car @ 100 mile | 18 PM    | 18  | 18        | 18            |
| Exp            | 18 PM    | 18  | 18        | 18            |
| Reed Caro      | 1/2 PM   | 1   | 1         | 1             |
| L O Johnson    | 1/2 PM   | 1   | 1         | 1             |
| Andrew         | 1/2 PM   | 1   | 1         | 1             |
| Danielson      | 1/2 PM   | 1   | 1         | 1             |
| Richard        | 1/2 PM   | 1   | 1         | 1             |
| Danielson      | 1/2 PM   | 1   | 1         | 1             |
| Theodore       | 1/2 PM   | 1   | 1         | 1             |
| Nelson         | 1/2 PM   | 1   | 1         | 1             |
| John W Caro    | 1/2 PM   | 1   | 1         | 1             |

Board Sheet With Lewis Johnson

D D

John W Caro

\$153.

⑥

8 days @ 5 1/5 = 120.  
 = 280 miles @ 23.  
 = 1410

4 days @ 25 = 10

= 6 1/2

= 3 1/2

= 3.

= 1



66

⑦

W.D.O'Brien

October 30-1928 Tues

Take Reed to school get 4 Gas  
 1. oil L. Jenkins 9 am Find  
 Lew Johnson and his Ford and  
 Andrew Danielson waiting near 1/4

bet 22-27-137-28 we drive half a mile  
 E.  $\pi$  over stone cor 22-23-26-27-

Plate "o" Focus N half a mile on line  
 line and turn 90° 45' Left to true  
 line half a mile West to hubs set on  
 true line a mile N and W to

terminal points Plate "o.o"  
 shows also 90° 45' NW angle

Drive a mile N  $\pi$  over stone cor  
 14-15-22-23-137-28 Focus S on  
 red flag on line line and run

North on random bet 14-15  
 on 80 rods of cut out road between  
 hubs  $\pi$  still a cor 14-15-22-23

Focus N on true line extended

Turn 90° 45' L and run <sup>90° 45' NW</sup> <sub>1980</sub>

West bet 15-22-137-28  
 parallel to S. bdry of sec 22  
 Lew Johnson goes to Town Board  
 meeting I cook my lunch and  
 eat alone







Oct 30 - 1928 Contd

PM. Danielson and I work continue  
 West Bet 15-22-137-28 Var  $6^{\circ}15'$   
 Note: Fence starts here and runs west  
 @ 16.5 cut so side NE Cor post of fence  
 300-600 stakes on line 706.45 that  
 900-1200-1320-1500 stakes w. line  
 raked in tomorrow @ about 1600 w  
 double cen hub. set picket line for  
 Johnson and Danielson to cut west by  
 in the morning then pack transit E  
 and N and continue extending the  
 E Line of sec 22 - North bet 14-15  
 137-28 random 300-600 stakes on  
 line 900 Hub 1200 stake Quit at  
 dark and drive home to Senhous

Note:  $1^{\circ}$  along Meridian =  
 69.16 miles of earths surface  
 $69.16 \times 360^{\circ} = 24,897.6$  miles

Copy

US Notes - West on true line bet 14-23  
 137-28  $V10^{\circ}$  327 MC (E Side Pig Lake)  
 YP 10 S  $7\frac{1}{4}$  W 117 L 15  
 " 10 N 64  $\frac{1}{2}$  E 64"  
 5438 MC W Side (Pig) Lake  
 YP 16 N 16 W 55  
 " 14 S  $4\frac{3}{4}$  E 77  
 8006 Cor 14-15-22-23-137-28



US Notes 137-28 <sup>10</sup>

North Bet 14-15 V 10° E

40.00 Set 1/4 also MC. So Side

White Fish Lake

YP 10 S 55 W 25 =  
" 20 S 43 1/2 E 186 =

North bet 21-22 Var 9° 10' E

29 Pond SE NW

35 (= ) Lv Pond E-W

4000 (= ) set 1/4 Cor

JP 10 S 78 E 33 = 21.78

YP 12 N 16 W 45 = 29.70 Ft

5961 set MC So  
Side Whitefish Lk  
YP 13-5 S 80 E 59  
" 12 S 56 W 30

West True Line Bet 15-22 Var 9° 20' E

4000 set 1/4 Cor

J.P. 9 N 6 W 31 = 20.46

J.P. 10 S 3 W 33 = 21.78 Ft

6400 Mkd Elm 9" Diam For MC on So

Side Whitefish Lake

Wash 6 N 23 W 8 =

" " 8 S 18 W 21 =

us ch

17

16

15

14

V 10°

V 9° 20'

V 10°

V 10°

5575

6400

V 10°

5924

20

4752

21

5921

22

V 10°

23

V 9° 49'

V 10°

V 9° 20'

V 10°

8006

8000

79.90

8000

29

28

27

26

8014

7990

8023

9° 34'

V 10° 07'

V 10° 11'

9° 10'

V 10°

8000

8000

8000

8000

8000

8000

8000

8000

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8000



Oct 31-1928 Wed

Danielson Brothers and Levy Johnson  
continue picket line West bet 15-22  
They start at 8 a.m. and work till noon.

I go to Pequot Fox Ford & dinner  
at home I shoot 3 RPS & 40

PM

Take Reed to school L & 1-PM. at 1-20

West bet 15-22-137-28 - Rake in stks  
1200-1320-1500 @ 1577 CROSS and  
road N-SE 1663.8 Hub 1800 stk on line  
1850 to 2010 Cut S. end low land - extends  
30 ft 50 2100 stk on line 2157.5 Hub  
2400 on line 2600.10 Hub 2610.7 W  
6" Cor Post new fence S 29° 40' W 50.3 Ft  
213.2 ± 6" Fence Post NE-SW 2640 Hub  
2700 stake At 1/4 Bet 15-22-137-28

US Notes Sop. JP 9 N 6 W 31 = 20.46  
JP 10 S 3 W 33 = 21.78

Cut line further West Quit at dark  
and drive home to Jenkins Hollow

Gladys M. Howley 1517 M. St  
Sacramento Calif Oct 26-1928 and



(12)

Nov 1-1928 Thursday

Reed walks to school I L @ 9 AM  
Find Lew Johnson <sup>and</sup> Andrew Danielson  
cutting since 8 this morning. Continue

West but 15-22-137-28:  $2700 + 100 =$   
2800 stake on line 2880 to 3050 Low  
land N End extends 100 ft N.

"Johnson's Hole" lies S-SW

3100 stake on line + 134.3 = <sup>3234.2</sup> Double Center  
pins "Hub" under transit  $3100 + 145.4 =$

3245.4 Hub:  $3100 + 200.95 = 3300.95$

Hub on top 3400 stake

Dinner with Lew Johnson

PM

3700-4000 stakes on line  $4000 +$   
 $104.3 = 4104.3$  N side of 12" SP S 0.30  
of a foot  $4000 + 149.7 = 4149.7$

Oak Hub 2 1/2" on W End of level ground

Thence continue down Hill

Went 4195 Birch cut bank

4210 Foot of slope - under sand

Beach 4222 in line with

general shore line of water

4229 old 12" P. stump S 1. foot

4231 old stump 15" S 3 ft

4232 water edge to-day

64 ch = 4224 ft W of from US chain



(13)

NOV 1-1928 CONTINUED

Drive 1/2 Cor 14-15-22-23 and

Continue extension of line Bet

22-23-137-28 North 1320 Hat

1330 Hat Run 1320 N old stake

bears  $S 84^{\circ} W 5.50$  //From 1320 N  $90^{\circ} W 15$  // at Hat

to avoid cutting pine in timber on Backen

land Tower pt 15 // W of Hat 1320 N

BS 80 rods to on Cor 14-15-22-23

Old stake bears  $S 86^{\circ} E 9.50$ My Hat 1320 N bears  $S 89^{\circ} 23' E 15$  // $90^{\circ}$  cuts  $0.15$  N of Hat 1320 N using

my new random meridian

1320) 15.00  $(.0113636 = 0^{\circ} 39' L$  $N 0^{\circ} 45' E - 39' = N 0^{\circ} 06' E$ 

colling south body of sec 22 and 15

at East and West parallel line.

 $1320.15 + 216.65 = 1536.80$  N. Hat

Quit at dark home to Jensen.

Miss Loras R. Mc Grady of Des

Moines Ia, 26 years old takes supper

with Alma Reed and I. O'Brien's

abstract corner. Alma and Reed

9 to 11-30 PM at Backen



Nov 2-1928 Friday <sup>(14)</sup>

73

I take Reed to school Check school Ho  
Clock OK @ 2 minutes slow. 9-10 AM

L. Jenkins Pick up Lew Johnson  
Then Richard Danielson at their  
corner and Continue line

North  $N0^{\circ}06'E$  Bet 14-15-137-28

$1536.80N + 199.60 = 1736.40$  Hub

1820 foot of hill 1845 enter small  
Lake: Thence over lake which  
extends 35 ft West and NE 200 feet  
Lake about 100 ft wide, 235 long

$1736.4 + 63.6 = 1800$  Stake on side hill

1955 L. water 1970 foot of hill

$1800 + 300 = 2100$  Stake on line Top  
of hill 2128.10 Hub: 2243.50 Hub

2255 Top of cut bank NE-SW.

2268 Foot of sea wall enter sand

2293 Water of Whitefish Lake NE SW

1/2 inch - thin ice 20 ft wide along shore

$\pi$  over 2243.5N one inch Iron  
pipe bear  $N66^{\circ}30'E$  17.70

$\pi$  over pt on my random 2043.5N  
in line with white lat stakes NE Run  
 $N66^{\circ}45'E$  15.8 old stake and strip Iron  
 $15.8 + 64.7 = 80.5$  white stake on



West side of Lot 25 191d 25° on  
 E side Blank on W side. Thence  
 55 ft across Lot 25 to Lot 24  
 Roughly taken I eat dinner  
 with Low Johnson  
 P.M.

Cor. 22-23-26-27-137-28 ch

West on line line bet 22-27-

300-600-900 thence down hill +60 =  
 960 + 300 = 1260 + 57 = 1317 W in line  
 with fence N. 1560-1860-2160-2460  
 + 180 = 2640 Hub in E wheel track  
 of graded road North and 16 ft N of  
 E road E-W + 233.8 = 2873.8 Hub  
 3173.8-3473.8- 3773.8-4073.8  
 4373.8- 4673.8 + 225.7 = 4899.5  
 Hub on line see line in N. wheel  
 track = P.O.T

|             |             |       |                         |
|-------------|-------------|-------|-------------------------|
| Tel Pole 75 | about 60° W | 37.80 | Flat<br>spot at<br>base |
| W Birch 4's | " 40° W     | 31.35 |                         |
| Oak 35      | " 50° E     | 33.05 |                         |

Continue West 4899.50 + 383. =  
 5282.5. = 2x12 Hub True Cor

21-22-27-28-137-28

Check chain rough half a mile E  
 2640. Wch 1.25 W to 2644. 25 W =



<sup>76</sup>  
 1/4 Cor bet 22-27-137-28

US Notes Coll for " 65 6 W 40 = 26.40  
 JP 9 N 70 W 21 = 13.86

Hub 2640 W we set West 1.25 ft to

2641.25 W for True

1/4 Bet 22-27-137-28

New BTS V.2 Turned from True Line E

N 14 N 29° 05' W 67.52

Br Oak 55 34° W 46.35

W. Oak 2 1/2 S 50° 20' E 65.75

Old Stump 107 N 76 W 22.10 ft ?

Too dark to see more Richard walks home  
 I drive Lew Johnson home then drive home  
 to Jenkins and work very late on notes



Nov 3-1928 Sat

Reed and I &amp; Jenkins 9-9 AM

Pick up Lew and Richard Town

1/4 Cor Bet 22-27-137-28

Focus West on truck line Vermen @

90° 45' swing 90° 45' R and run

North on &amp; Sec 22-Vermen @ 0'

3-6-9-12-15-18-21-24- 2700 minus

85 = 2615 N Fence runs E also W

2700 + 100 = 2800 + 300 = 3100 + 167.1

<sup>3-76.70</sup> 3267.1 N-Hub P.O.T Random N

JP 12 N 45° 45' W 42.20

JP 10 S 50° 45' W 18.65 T. spot

Note: @ 2700<sup>2700.50</sup> set 60 d spike W of  
W. Wheel track <sup>P.O.P 7 N about 35° W 29.45</sup> Oak 6 S " 70 W 14.853400 - 3700 minus 40 = <sup>3866.9</sup> 3660<sup>9</sup> set

60 d spike 2 ft W of W Wheel track

SP 4 N. about 40° W 29.20 T. spot

Oak 5 S " 45 W 19.75

3866 N. &amp; Danielson's private road E

3920 N. &amp; Johnson's Private road West

4000 in field. - 4300 Hub + 200 =

4500 S 1 k + 300 - 4800 - 300 = 5100

+ 197.7 = <sup>5297.7</sup> 5297.7 N interest

my transit line 1.55 ft W of Hub

2640 W Note - I was to hit out 1.25

W of this Hub 2640 Only miss 0.30



or  $\frac{3}{10}$  of a foot  $\frac{1}{10}$  of a foot west in a mile  
Good shot.

Walk 80 rods E and @ Hat 1320  
W of Cor To 14-15-22-23-137-28  
ch W 0.625 of a foot = 1320.62 W  
set small Hat where I set X  
Focus W on  $90^{\circ}45'$  Suring  $90^{\circ}45' R$   
and with Verner @ 0' run

North on E  $\frac{1}{16}$  line Sec 15  
Set pickets for Lew and Richard then  
Reed and I walk 80 rods W and  
Check Chain

South: on 4 sec 22 -

$$197.7 \text{ stk} + 300 = 497.7 + 300 = 797.7$$

$$+ 200 = 997.7 \text{ stake} + 300 = 1297.75$$

$$+ 300 = 1597.7 \text{ To stake mkd } 366014$$

$$3700 + 1597.7 = 5297.7 \text{ Total}$$

Re Ch NW 6 =  
5299.1

Not: at noon Reed and I  
cook our lunch. Home to Jenkins  
at dark. Peet Howkenson got  
5 Blue Prints at my house  
Reed and I prepare to go to State  
Park Itasca at day break



Nov 4-1928 Sunday

Reed and I in our Ford get 5 gals of gas in red can 2 gts oil and full tank in Jenkins 5-30 am open Ford @ 7-45 on Lo Port worn up - drive to Lake George then to Yola in sec 5-143-3x Lake George Twp Then went meet Mr Morgan owner of Loth mill in SECOR Sec 6-143-32?, who says he may be able to furnish us a free cabin if we come day before opening.

We drive west 5 miles and at the old EWEaton house near Town Hall in Lake Alice Twp SW 1/4 -16-143-35 meet Peet Nelson who lives 3/4 mile N of Sch Ho who can board us @ 50¢ a meal Meet also FC Boyd Town Clerk Present Town Board Lake Alice viz J.J. Harvey chairman &

Sam Boyd ②

Andrew Julson ③

Old Board 10 years ago were

EWEaton Ch now dead

John Broxow part Indian now at Park Rapids saw mill



Nov 4 - cont'd

(29)

79

I show Reed "The Devil's Darn Needle"

when I shot a deer with Garold 10 years ago also other points we meet Ernie Zentille? road-foreman who sends Walt Murphy his regards. We drive to pt 6. miles so of Bernidji and turn back to State Park Buy 5 gals of gas and On Pt Rapids at 6 PM. Find Tom Todd out eat supper @ Square Deal Restaurant \$1.00 go to bed at Todd's. He returns and finds us and we talk till midnight Ted Baldt rooms there and remembers me at Lake Alice Suncy.



Nov 5-1928 Monday

Reed and I roll out quietly @ 5-30  
eat at restaurant 50¢ at Jenkins

9-30 am. Drive to Pequot

P.M.

Reed and I chain E Bdy Sec 22-137-25  
poor check and in decided to re-chain it  
Rains at sundown

Nov 6-1928 Tues

Election day Vote for Hoover Alma in  
bed "sick"? get Mrs Ritchie and @

12 noon Reed and I re chain

22-23-26-27-137-28

7 over stone cor Sweep again NW  
Angle of line lines  $90^{\circ}45'$  OK ch

North on line line  $2400 + 120.1 =$

2520.1 Red flag on line sec line

2527.8 Hub abut 2630 to 2650 N

Road runs E near School Ho

2664.7 N-Hub (or 2665.7?)

2700 stake -  $4639.5$  point  $5100 + 199.9$

$= 5299.9$  - Stone Cor 14-15-22-23

NW angle woods  $90^{\circ}47'$ ?

See Page 67-66. Call it OK



Nov 6 - Cont'd

(22)

We drive on mt 80 and 1/2 W and to 1/4 Cor

Bet 22-27 - 137-28. Re Chain

North on E Sec 22 -

@ 3300 - 23.3 = 3276.7 Hub and Ties

See Pg 76. @ 3660.80 Spike &amp; Ties Pg 76

4300.90 N Hub  $4850 + 300 = 5150$  sth $+ 149.1 = 5299.1$  Hub intersect 1.55 W

of Hub 2640 W See Page 76.

Note This should go N 0.80 of a foot  
but I may let it go as OK.

Will see later Reed and I got  
home at dark. = 1/2 day



Nov 7-1928 Wed (23)

9 AM Reed and I drive to Beamed  
Get Ford fixed \$5<sup>00</sup> carrier 1<sup>00</sup>

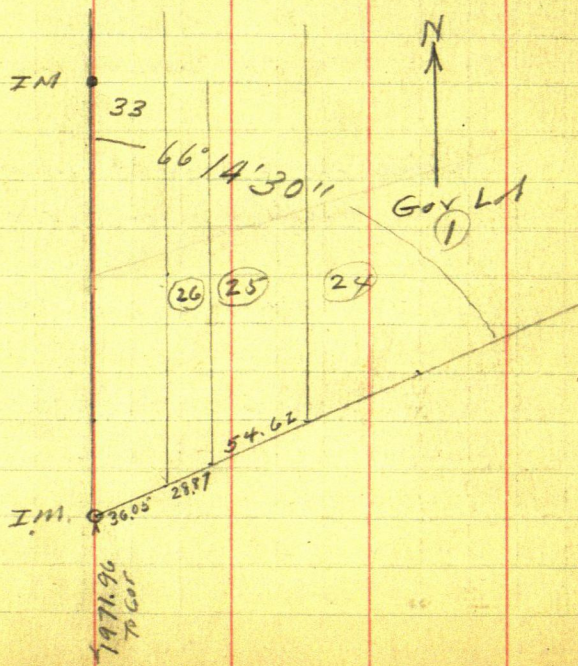
Iron for fender 60¢ Over \$10.

Hauling Licer 225 Trapper line 1.  
= \$6.50 = \$16.50

I send "Day Letter" Telegram  
to H. B. Babcock Gen. Del. Sep. 1895  
45.

Check. The Highlands Add

April 22-1926 M. B. Lagaard Surveyor  
Lot 1-See 14-137-28





(24)

Nov 8-1928 Thursday

Reed and I in the office

Figuring

See Page 73.

@ 2243.5 N IM bears N 66°30'E 17.70 Feet

@ 2043.5 N IM " N 66°45'E 15.80 "

N 66°30'E 17.70

$\sin 91706 \times 17.70 = 16.23 \text{ E}$

$\cos 39875 \times 17.70 = 7.06 \text{ N}$

$\Delta 2250.56 \text{ N IM Set E } 16.23$

N 66°45'E

$\sin 91879 \times 15.8 = 14.52 \text{ E}$

$\cos 39474 \times 15.8 = 6.24 \text{ N}$

$\Delta 2049.74 \text{ N IM Set E } 14.52$

$2250.56 \text{ into } 16.23 = .007213 \text{ E}$

$2049.74 \text{ into } 14.52 = .007083 \text{ E}$

Note IM @ SW Cor Highlands Adld is mhd  
1971.96 N while our chain say 2049.74 N

diff = 77.78 feet we will go check chain it

2 PM Reed and I to Jenkins

2-30 PM Pick up Lew Johnson find another

IM chain OK.



84

25

W.D.O'Brien

S ← Page 73-

2443.50 IM N 66°30'E 17.60 +

2250.56 N • IM Sub E 16.23

Correcting = .0072 E 0°24½'

1320 N Goes E 9.50 to N 1660 ✓

1536.80 N " " 11.07 ✓

1736.40 N " " 12.70 ✓

x 1980 N " " 14.26

2128.1 N " " 15.32

2243.5 N " " 16.15

x 2310. N " " 16.63

2640 N " " 19.00

2250.56 N " " 16.20 IM

Check over Hubs ruled ✓

T over 2100 v. ch S 120.00 set Hub 1980 N

2100 ch E 15.12 Hub on See Line



Nov 9-1928 Friday

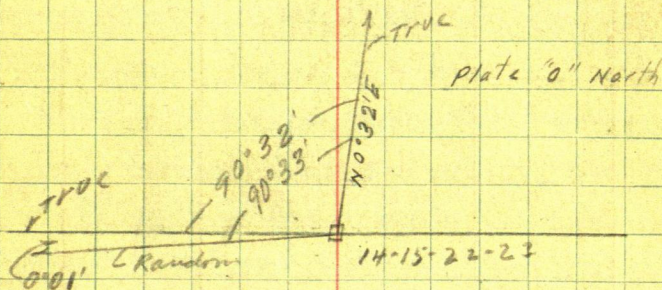
Up at 5-15 L & O 7-15 Reed and I  
 Call at Lew Johnsons also at Danielson.  
 Find Danielson Boys gone hunting  
 I telephone Lew Johnson to bring  
 Theodore

Reed and I Town Cor

14-15-22-23-137-28

$\pi$  slightly out of adjustment Plate out  
 about 1 to 2 minutes

Using Plate double '90' Focus West  
 on random line which should go one  
 minute N call random "West"

True line runs N  $0^{\circ}33'E$  Plate "0"



Town Hut 13 20.62 W Focus

Went on random = West  $0^{\circ}01'S$  and

N  $0^{\circ}32'E$  on True  $1/16$  line thru cen SE  $1/4$

Sec 15-137-28

@ 0.40 set peg True E  $1/16$  Pt 15-22

Buy @  $1/16$  continue True line

N  $0^{\circ}32'E$  parallel with E Section

3-6-stk on line 834.9 Ht 9-12 on line

1227.2 Ht 1320 Ht = True  $1/16$  in

cen of SE  $1/4$  Sec 15-137-28

15 stk on line 1794.2 Ht

1800S take on line  $1320 + 660 = 1980$  Ht

$1800 + 180 = 1980$  Set  $2 \times 20"$  w/sk

• True SW Cor of "10 acres"

$1980 + 30.4 = 2010.40$  N set wire

stake in top of 4 inch green oak  
stump double can point

Lew and Theodore walk home to dinner

Reed and I work on as we brk no lunch

Note: We told Lew we had our lunch  
in the car - just a fib

PM

Town Hut 1980 N BS S  $0^{\circ}32'W$  & run

East on line line

Note: Transit about one minute out  
of adjustment - don't know which way



O'Brien

15-137-28

87

28

Hut 1980 N comes in a dam hole  
hard to turn out of.

Town 1980 N FOCUS N on Plate "O" BS on

Hut 1794.2 Transit Telescope Looking N

Swing 90° 32' L and set Picket in

side hill about 250 ft West of

E of parallel to E side line

130.3 Hut 300 sth on line

368.5 Hut 1 ft W of Transit NE SW

600 on line 660.31 Hut 2x2x24

sth Wkd SEC or 10 acres

Town 660.31 BS W on line line 1/2

N 0° 32' E Parallel to E Boundary

200 stake on line 243 Hut corner

Transit on Bank 1/2 Hill

Thence down hill

300 N Set 2x2x40 stake at foot

of sea wall 303 sand 330 set

2x65 stake at walrus edge in

mud Wkd SW Cor of 5 acre

tract at 243 & tall stake Wkd

E Line of 10 acres Euro



Walk East from Hit 2243.5 N  
on line sec line Char. Non fuel  
line 66.5 To 2310 N = SE Cor 5 acres  
Corners 8 feet out in water  
 $2243.5 + 26.5 = 2270$  N

Set 2X 40 inch NP stakes on Bunk  
40 ft So of SE Cor 5 acre tract  
2280 feet of sea wall = sand  
beach  $2243.50 - 56.5 =$   
2300 N set tall flag 2 ft So  
of water's edge and 10 ft  
So of SE Cor of 5 acre  
beach

Reed driven to store for the 3  
Ims we left there while we drive  
the 4 Ims we have

Ims are 2 inch old blue pipe 3 ft long  
At pt 10 ft So of SE Cor 5 acres  
and on sec line 2300 ft N of Cor 10

14-15-22-23-137-28 we  
drive 2 m. also at SW Cor of  
5 acres also at SE Cor of 10 acres  
and at SW Cor of 10 acres

See Plat on Page 67 This Book  
Reed corners with Ims in the  
dark and we drive them



VIZ Im @ E 1/16 Bet 15 and 22

also 1/4 bet 15-22 and at pt on line  
Sec line bet 15-22-137-28 west  
4149.7 Ft West of Sec cor 14-15-22-23  
and on top of big bank See Pg 71

Correcting

Bet 15-22-137-28 @ 2641.25 W Cor

1/4 sec 15 N 0.80 of a foot

2641.25 into 0.80 = .00030303 ?

300 W goes N 0.09

600 " " " 0.18

706.45 " "

900 " "

1200 " "

1320.62 " "

1500 W " "

1663.8 " " "

1800 " " "

2100 " " "

2157.5 " " "

2400 " " "

2600.1 " " "

2641.25 " " "

2700 " " "

2800 " " "

3100 " " "



90 Nov 9-1928 Cont'd ⑤ W.D.O'Brien

Correcting W Bet 15-22 - .00030303 IV

3234.2 W goes N

3245.4 " " "

3300.95 " " "

3400 " " "

3700 " " "

3960 " " "

4000 " " "

4149.7 " " "

See Page 68-70, 71

We correct all stakes checked 'r'  
Lew Johnson goes home for his  
lantern so that we can see to  
correct stakes. Reed I and  
Theodore light matches to see by  
Lew returns and we finish late  
and drive home to Sentinel



15-137-28

91

(32) Nov 10-1928 Sat O'Brien

Deer Seasons opened today  
I planned on being with Reed at  
"The Devil's Darn Needle"  
at 3 o'clock this morning but had to  
report this sunny and get ready

"Fred" Swanson telephoned and  
says Ilo Bobcock Address is

Ilo Bobcock 432 Tower Ave  
Superior Wis

Her address was Gen Del  
Superior Wis

See Time Sheet Pg 65



4

3

2

1

9

10

11

12

16

15

14

13

5441.26 Fgd  
Cold → 5448.5 chd

88°37

91°02

99°26

20

5280

21

22

23

24

90°50

91°42

5312.40

5309.15

90°45

29  
53000

Hot ch  
88°30

90°16

5282.50

89°04

29

28

27

26

25

5279.48  
89°51

5345.28

90°23  
5266.72  
90°29

33

34

35

36



①  
Ellsworth and Jones

93

137-28 Sec 27

Frank Kamberling ✓

Index

Time Sheet Page 109-

Board Sheet Page 111-

Maps Page 101-112-116-117-124-129-130-133-  
135-136

US Notes Pg 63-64-74-96-97-100-62-103-117-119-121  
125-

New Ties 63-64-74-96-97-100-102-62-103-125-

Letters 118-



Dec 8-1929 Sunday

Frank Kamberling calls at my house in Jenkins and says he is ready to make "that survey" of fractional sw.  $\frac{1}{4}$  Sec 27-137-28 and that the "Duluth man" who may buy it wants all corners set -- and lots of other things.

Note:-

A few months ago Frank told me about this prospective buyer who could not locate this land and I told Frank I would cruise it out within a few rods of the line for \$25.

Today I call Frank's attention to the fact that I could not make a complete survey for the \$25. and that it might cost \$300 or more.

Frank says the cruising deal is off and to go ahead with the complete survey.

I promise to try to start next Sunday if I can get off from my Iron Lands survey.



③

Dec 14-1929 Saturday

I and Garold Curo work all am.  
at Emily Eat dinner at Hotel Emily  
PM

We drive to Cox res NE of Pine  
River and start line for Cox and  
Hemness and arrive home in Jenkins  
at dark.

Kamberling has been to my house  
and wants me to start his survey  
tomorrow

I call Frank by phone and  
arrange to start his survey to-morrow

Garold will make the Cox  
Hemness survey I poliece the  
dance at Bill McLane res - old Gilmore  
Hall - Dance till 2-30. I load Carl  
Tracy in his car -- very unruly



Dec 15-1929 Sunday

Garold and my new Ford Lvs  
for Pine River with Gurley K  
and 300 foot steel tape to make  
Cox-Hemness survey

8-30 AM. Frank Kamberling and  
his old Ford arrives at my house  
in Jenkins. I take a lunch along  
and we pick up Carl Schultze, a  
who also brings his lunch

Stop at R. E. (Rasmus) Hauge res  
He and his son Roy Hauge  
accompany us to Cor

21-22-27-28-137-28

established from US BTS  
US Notes coll for

J.P. 6 N 57° E 15 Lks = 9.90 ft

Oak 5 S 67° E 28 " 18.48 "

W.B. 6 S 53° W 10 " 11.00 "

J.P. 6 N 13° W 28 " = 18.48 " OK stamp

New BTS 7° 15' U

Oak 3 N 55° 30' E 19.50 <sup>Being W. Oak</sup> cluster of 3

J.P. 12 N 16° W 19.10 To spot 8 ft up

J.P. 7 S 64° W 62.6 spot @ base

Birch 3 S 47° 30' E 29.3

See Page 38 Book 27 also Co



Ellsworth  
and Jones  
Dec 15-1929 continued

97

21-22-27-28-137-28 contin'd

Recorded in Co record N<sup>o</sup> 178

See Also Page 63-64 This book.

Carl and I chain in and find  
wood hub, True corner

Find POT

We find POT Pg 74 This book.

Heller and Brightly Transit  
in perfect adjustment 100' steel  
tape and plumb-bob - Carl Schultze and  
I perfect chain

T over Cor BS E on Pot 383 E  
PB string held by Carl Turn 90° run

South bet 27-28-137-28

(set Back Shot about 300 ft N)

@ 87.00 spike Hub on hill - 3 ft E  
of N-S Fence 237.6 Hub Spike in 2"  
birch stump; 620.5 Hub = 60° spike  
680 Foot of hill - enter Low Land  
poor Lake shore 700 enter ice Fence  
4 ft West 1320 spike on ice

Lake

1660 Lv ice = 2 ft square drops casual  
NE-SW 1718.5 Hub = 60° spike  
1800 pin



Dec 15-1929 continued

South bet 27-28-137-28 Random  
90° to N Bdry

All eat dinner with Mr and Mrs  
R.E. Hauge - and "Alace" 14.

1750 Swamp 30 ft west 1800-1900 -

2000 - 2100 old fence in E. Edge of  
bog 10 ft W 2211 Hut 2300 pin

2629.7 Spike in E Edge green

14" JP stump 2640 Hut 60' Spike

2700 pin

Quil for nite

I nearly freeze coming home in  
Franks old Ford.

Garold could not correct all of his  
Cox-Hemness survey and arrives home  
late Eats supper - Alma-Reed & I  
drive him to Emily Alma meets  
Mr and Mrs Chas Winning

I rec telegram from J.C. O'Connor  
Missoula Mont



Dec 16-1929 Monday

I and my New Ford pick up Carl  
Schultze and his lunch and we pick  
up Frank Kamberling and his lunch  
at Hugh Pugh res. Lv my car at  
Hauge Res and with Roy Hauge at  
Walk. to line and continue

South bet 27-28-137-28 random  
Cut line till 11-30 am Then I Lv crew  
cutting and go home to Jenkins eat  
dinner at home I pay Chas. Bye  
\$15. on gas Pay Geo Lezott \$5<sup>50</sup>  
for new Weed chains at Olson Garage  
PM.

Blinding snow storm I drive East  
on old road cross line find crew  
Cutting line Carl and I chain

Buy @ 2700 Hub Spike + 129.8 pin =  
 $2829.8 + 300 = 3129.8$  Hub Spike + 300  
 $= 3429.8 + 76.5 = 3506.3 + 300 =$   
 $3806.3$  pin + 153.7 = 3960 Hub Spike  
 $3806.3 + 300 = 4106.3 + 52 = 4158.3$   
 @ old road E-W near my car  
 $4106.3 + 251.2 = 4357.5$  Hub  
 Spike Thru down hill



Dec 16-1929 continued

South bet 27-28-137-28 continued

$4357.5 + 135.5 = 4493$ . Stake on  
side hill + 300 over draw = 4793.  
+ 7.0 = 4800 stake 5100 stake + 67 =  
5167.00 Hub = spike Cor

27-28-33-34-137-28

US Notes call for

y. Pine 11 N 33° E 60 Lks = 39.60 FT

d. Pine 10 S 64 E 41 " = 27.06 " <sup>stab</sup> OK

d. " 6 S 81 W 16 " = 10.56 "

d. " 8 N 36 W 49 " = 32.34 "

We find SE up stand dead but  
plainly marked Build a big fire  
cut and burn brush around corner  
and come home in the dark Drop  
Frank off at Pugh corner and Corl  
at home Nat: Corl and Frank  
again to-day did not eat their lunch  
but ate dinner with Hooge.

Evening: Alma & Reed to Pine  
River for Reed's Bass Horn  
Hal hands me papers to review

John W. Curo



9

137-28

101

21

22.

5282.5 Hot Chain  
1 TRUC LINE

05 ch  
703.52

90°

28

1066 = 703.5650

27

1320 skronica

1670 05 ch

2608

2552

56W

28

14

32

750

52x

226

113

339

1.695

170

5279.5

04833 =

0°16'12"

0°17'

5279.5

5167. Hwb

25.52

26.08

75.38W

26.6

524 7.50

5287.00 S

Y  
S

601



102

Ellsworth Jones

Dec 17-1929 Tuesday

Up early - 4 to 6 inches of snow fell last night. I took Reed to School Bus Depot = Kemper Res for Reed.

Back home find Alma feeling bad and go for Mrs Noah Ritchie who says she will come at 10 AM.

Reed has put our old chains on front wheels of New Ford and with good chains on all four wheels. Lv Jenkins about 8-15 Pick up Carl Schultze -- then Frank Kamberling. Arrange for dinner with Mrs R.E (Josephine) Hauge. Tell Roy we cannot use him today. Carl-Frank & I walk 6 mil so to & @ Cor 6.

27-28-33-34-137-28

We find US BT - 10" d. P. S 64° E 27.06 ft from which we set 60' spike for True Corner 6° 40' Var

New BTS viz: 6° 40' U

12 inch dack Pine N 55° E 66.10 ft

14 " " " N 46° 40' W 38.6 "

15 " " " S 40° 03' W 62.6 "

16 " " " S 29° 04' E 50.05 "

Old BTS 64° E 27.06 ft @ 6° 40' 6° 50'

Re-set Sept  
11-1936 P 972-  
Brach 281



Dec 17-1929 continued

From Hub 5167. + 120 = 5287 Hub S.  
 From which See Cor bears N 73° 38' W  
 26.60 feet

28178 N 73° 38' W 26.6

Sine ~~19709~~ <sup>5244</sup> × 26.6 = 5244 7.50 correctedCosine ~~99039~~ <sup>25.52</sup> × 26.6 = 26.08 W 25.52

95748 <sup>5279.5</sup> At 5281.76 So, Cor Sets West. <sup>25.52</sup> 26.08 Ft Nix  
 Correction

5281.76 into 26.08 = .0049375 = 0° 17' Nix  
 changed.

Frank-Carl and I eat dinner @ Houge  
 PM

Figure till 2-PM and drive East to Cor  
22-23-26-27-137-28

New Ties See Page 62. This book.

We find sharp stone Focus West  
 on true line (Birch stake west of 1/4)

Turn 90° set back shot 40 rods N x Run

South bet 26-27-137-28 Random

Cut to lake then over lake and quit  
 at dark - Very cold Frank walks home  
 from Munson farm Carl & I drive  
 via Stocum road to avoid drifts -  
 Hand Kemper-Swanson's papers

2 below in evening

John W. Cunn



104

(12)

Dec 18-1929 Wed

24° below zero at Ed Hauge farm  
Too cold to work - all day at home  
I send Field & Diemmen my bills

Alma and I drive to Beaman's  
Lv @ 2-PM. Burger Clatt sawing my  
wood I check Jas M<sup>c</sup> Gough  
Estate in sec 13-137-29 and wife J.C.  
O'Connor - Palace Hotel Missoula Mont  
Tells no good re. \$1<sup>00</sup> to Earl  
Senskins 70% mile letter to O'Connor

Ford Garage adjust brakes and  
shock absorbers - Grease car - install  
front shield \$4.50 pd.

Reed home alone with supper ready  
when Alma and I get home

Note: Swanson - Swanson<sup>rd</sup> Swanson  
gives me a check for Eighty cents 80.8<sup>0</sup> for  
serving papers on Fred Kemper



13  
Dec 19-1929 Thurs

28° below at E. J. Hauge farm; 8 am  
I call Kammberling - Frank just left  
Call Carl Schultze. I then call  
Mrs Hauge and arrange for dinner  
again today

Carl and I drive via Alocum  
road to avoid drifts - Pick up Frank  
@ Munson's continue

South but 26-27-137-28 Random

200-500-800 pin 816.6 ft <sup>6.23 @ 5.47</sup> 905 South  
So ditch of road SE 910 So Birch  
of hill 1040 foot 1100 pin 1106 Top of  
sea wall 4 ft hi 1119 foot seawall  
1125 enli lake shore NW-SE 1130  
enli ice - Low water 2640 pin on ice  
29-32-35-38 pin @ 3760 L. is; 3765-  
sand beach 3780 T. 3790 Top sea  
wall 3800 pin 3850 foot steep hill 25 ft

Drive to dinner and find I called  
wrong Hauge - Mrs Ed J. Hauge a mile  
East her dinner waiting we eat there  
PM

Back to work. Frank sets Hub on lake  
at about 1500 another @ 2640 and one  
on hi tank so side Kimball Lake

correction = .0066945 feet



Dec 19-1929 continued

South bet 26-27-137-28 continued  
 $3800 + 105.3 = 3905.3$  Spike Hub on N side  
 of round brink of big hill 3960 and  
 4100 Spike hubs on top: 4212.2 Hub  
 $= 60^\circ$  spike: 4253 so brink  $4100 + 200$   
 $= 4300$  pin on side hill + 300 over  
 deep draw = 4600 stake on N side ridge  
 4700 stake on top: 4954.6 Spike Hub  
 5000 stake: 5237.5 Spike in E. side  
 3" green oak stumps about 30 ft N  
 of E-W-graded road. Quit at  
 dark. Cold north wind

Drop Frank Kamberling off at Munson's  
 corner where he walks a mile home  
 NW over White Fish Lake. Drop Carl  
 Schultze off at his home

Evening Alma and Reed Lv at 6:45  
 for Basket Ball game at Pine River



Dec 20-1929 Friday

Up @ 6 AM - 8° below. Pick up Schul-  
tze. Generator makes a grinding noise  
and we drive to Pequot 25<sup>1/2</sup> to Winnie  
Goldberg to oil generator. - Lv Garage  
and go back as grinding noise  
continues. Goldberg takes off  
Speedometer - oils 8<sup>1/2</sup> to Winnie

10-30 Pick up Frank Kamber-  
ling who has been waiting at  
Munson residence since 8:30 AM.

Drive to Ed Hangeres to arrange  
for dinner at 1 PM. Mrs Ed turns  
us over to Mrs R. E. Hauge who phones  
she will read OK for 1 PM.

We drive to Cor

26-27-34-35-137-28 where  
US Notes call for

|                                        |                                        |
|----------------------------------------|----------------------------------------|
| Yellow Pine 23°S 35°W 212 Lks =        | 139.92 Ft <sup>OK</sup> <sub>STP</sub> |
| Hard Pine 7N 73 <sup>1/2</sup> °E 68 = | 44.88 Hds                              |
| " " 7S 74 <sup>3/4</sup> °E 61 =       | 40.26 zone                             |
| " " 4N 63 <sup>1/2</sup> °W 106 =      | 69.96 OK                               |
| OR 763° =                              |                                        |

We find the stamp of sw line plainly  
marked also NWBT

See Pg 72-Book 231



Dec 20-1929 Continued

24-27-34-35-137-28 continued

We find the stump of SW BT. plainly marked also the NW Jack Pine which Carl Schutze cuts into and finds parts of old iron scribe marks 4 inches under the surface - also flat spot and score back marks of the axe marked 60 or 70 years ago

This NW tree has grown from a 4 inch tree to 12 inches or more

Bill Hollenberg and his new Chevrolet Truck comes along with a young man (probably )

Bill says his father buried a cement house block right where the old scribed stake once set

Bill also says they have the Field notes for this corner at his father's house half mile SW. He tries to dig up the cement and tries to locate stump of old NE BT. the body of the tree still lies here on north side of the road and the point where it once stood is now a deep hole where the tree was dug out for road construction

f - Pen this up  
f and use cent store

see pg 72 Book 281



[illegible]



110

18

137-28

Dec 20-1929 - 26-27-34-35-Continued

Bill Leaver and we set pit for cor by  
flat chain from face of old BTS  
NW and SW and drive a 60¢ spike

We then dig up the cement block.  
which sets 3.80 West of spike corner

I do not know just which  
corner is correct-- because the NE  
and SE lines are gone-- if they were  
standing at the time the cement  
block was set the discrepancy  
in the vs notes could have placed the  
cement block at the correct point

The spike is OK by flat chain  
from the two remaining BTS. SW & NW  
But course does not quite fit

I will use the cement block  
for the present as it checks for  
course and distance with the SW & NW

Over spike 5237.55 the  
cement block bears S 50° 20' E 45.8  
Spike bears S 50° 42' E 49.6 ft = 3.80 d. diff

I will use cement block  
for the present - all at dinner  
with Josephine Hauge

OK. use cement block

use com  
OK



| 1929                  | SUN                            | Board Sheet |    |    |    |    |    |    |    |    |    | SUN |    |    |    |    |    |
|-----------------------|--------------------------------|-------------|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|
| December              | 15                             | 16          | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26  | 27 | 28 | 29 | 30 | 31 |
|                       | With Mrs R.E.(Josephine) Hauge |             |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |
| John WCuro            | D                              | D           | D  | -  | -  | D  | -  | O  | D  | D  | -  | D   | D  | O  | -  | -  | -  |
| Frank Kamberling      | D                              | D           | D  | -  | -  | D  | -  | D  | D  | D  | -  | D   | D  | O  | -  | -  | -  |
| Carl Schultze         | D                              | D           | D  | -  | -  | D  | -  | D  | D  | D  | -  | D   | D  | O  | -  | -  | -  |
| Gerald WCuro          | O                              | -           | -  | -  | -  | -  | -  | D  | D  | D  | -  | D   | -  | O  | -  | -  | -  |
| Reed                  |                                |             |    |    |    |    |    |    |    |    |    |     |    | O  | -  | -  | -  |
| With Mrs Edd. (Hauge) |                                |             |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |
| John WCuro            | O                              | -           | -  | -  | D  | -  | -  | O  | -  | -  | O  | -   | -  | O  | -  | -  | -  |
| Frank Kamberling      | O                              | -           | -  | -  | D  | -  | -  | O  | -  | -  | O  | -   | -  | O  | -  | -  | -  |
| Carl Schultze         | O                              | -           | -  | -  | D  | -  | -  | O  | -  | -  | O  | -   | -  | O  | -  | -  | -  |
| = 36 <sup>0</sup> per |                                |             |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |
| Taken from own lunch  |                                |             |    |    |    |    |    |    |    |    |    |     |    |    |    |    |    |



20

PM.

Figuring

From Hat 52375

35.26

29. 24

$\left. \begin{matrix} E \\ S \end{matrix} \right\} \text{To Cen BIK}$

5237.5°

29 24

5266.74 Cor Set E 35.26

5282.5 Hof Chain

5284.0 Cold Ch

24

225571  
Spike PR.

2639.755

3959.635

~~5343.84 F9d~~

5344.78 F9d

5345.2 chd. cold OK.

$$5266.74 \text{ in/b}^{-35.26} = .006694 = 0.28$$

5345.2 OK. 6/90

W 12 0 7/2 1  
Random: Note Gavel Turned 9 1/2  
and this 2.575 OK. 9 oval shot  
would have only missed 0.31 5 284.00  
5343.84 15.02 (= mistake in length 25 35.26  
if went side 53441.7

15102

1270

2.26

5345, 30.56d

53 74 78 F9d

0.42 close

257

226

0,31052



(21)

Dec 21-1929 Saturday

No work today-

Home in Jenkins: at 11-30 AM. Reed  
and I Lv in our "New" Ford to get  
Gorold at Emily -- Meet Frank  
Kamberling and wife coming to Jenkins

Frank hands me the letter he  
received from Ellsworth and Jones  
ordering this survey. I will copy the  
letter and return it to Frank.

Arrive at Emily at 12-30 find crew  
eating and we join them

Mrs Winning will not accept 50¢ for  
Reed's dinner PM

Leitzman-Newstrom and Town go to  
Mpls for Holidays Gorold-Reed & I  
Stop at Cox Res near Pine River and  
finish his survey Home at dark

I police the dance at Jenkins  
till 2-30 past midnight

1° 00' = 92.1888-or-92.19 Ft in one mile

0° 01' = 1.53648-or-1.54 Ft in one mile

0° 00' 30" = 0.76824-or 0.77 in one mile

0° 00' 15" = 0.38412-or 0.38 " " "

John W. Cress



114

22

Garold & ch ax  
Carl ch ax  
Frank Fly-ax

Dec 22-1929 Sunday

As Kamberling is anxious to finish survey - Garold works in my place - He Lvs Jenkins in our new Ford @ 8-30 picks up Carl Schultze drives via Pequot road to avoid drifts - picks up Frank Kamberling at Nunson corner they drive to corner to sections

26-27-34-35-137-28West bet 27-34-

@1320 spikes 1725.10 spikes; 2842.5 spikes  
2640 spikes on ice in Strawberry Lake  
3244.30 spikes; 3892.35 spikes; 3960 spikes  
→ 5338.3 spikes from which cor of  
27-28-33-34-137-28 bears

North 2.57 feet Note: they chd from spike 3.8 E of cor @ SE Cor 27

See Plot on page 112. Distance fgd is 5343.84 their ch is  $5338.3 - 3.8 = 5334.5$  from 7' in cement block - true cor

26-27-34-35-137-28 = 9.34 short of my figures -- it may be in angle I took at NW and NE Cor of sec 27- P. P.

we will check chain & angles later

2.57

5338.3 chd by Garold → 3/4 in

5345.2 my ch  
3.8  
5349.04

John W. O'Quinn



Dec 23-1929 Monday

I and Gorold Lv @ 8-30 - pick up corl then  
Frank at Pughs. Lv cor at R.E. Hauge $\pi$  over 2640 - chain So 0.88 to 2640.88 S. $\pi$  over 2640.88 turn  $90^\circ$  West 13.04 ft and  
set spike for  $\frac{1}{4}$  Cor Bet 27-28-137-28 $\pi$  over 2640.88 Focus N. on random turnNE angle -  $90^\circ - 0.04' = 89^\circ 56'$  + runEast on E sec 27-137-28Lv Gorold running  $\pi$  and @ 10-40 I walk  
to Hauge res and write up notes.

Crew come in for dinner at noon

Dinner Late PM

Crew go back to work and I go to Jenkins  
for more notes. Via Pequot and get 1 yd.  
red cloth and 55 R.R. Spikes from Dalley

Copy notes at home Pgs 18 to 21

At dusk I drive East and get the crew

Nad  
This spike must go  
to Tracy  
113 N. 28



116

(24)

T137-28

Dec 24-1929 Tuesday

Warmer 30° above Light storm

8-30 Harold and I pick up Carl then Frank and drive to

 $\frac{1}{4}$  Cor bet 22-27-137-28.

Locate New BTS. P. 75. drive 6' RR spike

Turn 90° to E-W line line and run

South on E sec 27. 137-28

Frank and I re-chain N Line

|    |    |        |      |        |    |    |
|----|----|--------|------|--------|----|----|
| 21 | 22 |        | (22) |        | 22 | 23 |
|    |    |        | 11   |        |    |    |
| 28 | 27 | 2642.0 | (27) | 2642.0 | 27 | 26 |

Chained Dec 24-1929 = 5284.00 Ft

 " Nov 2-1928 = 5282.50  
 = Expansion and Contraction 1.50 diff

Dinner with R.E. Hauge P.M.

Correction

 $\text{West Side } 27 = 1.76 \text{ long} = .000333 \text{ Long}$ 

70356 + .23 = 703.79 S

1672.44 + .55 = 1672.99 S

2640.00 + .88 = 2640.88 S

Gorold and Carl run to so E

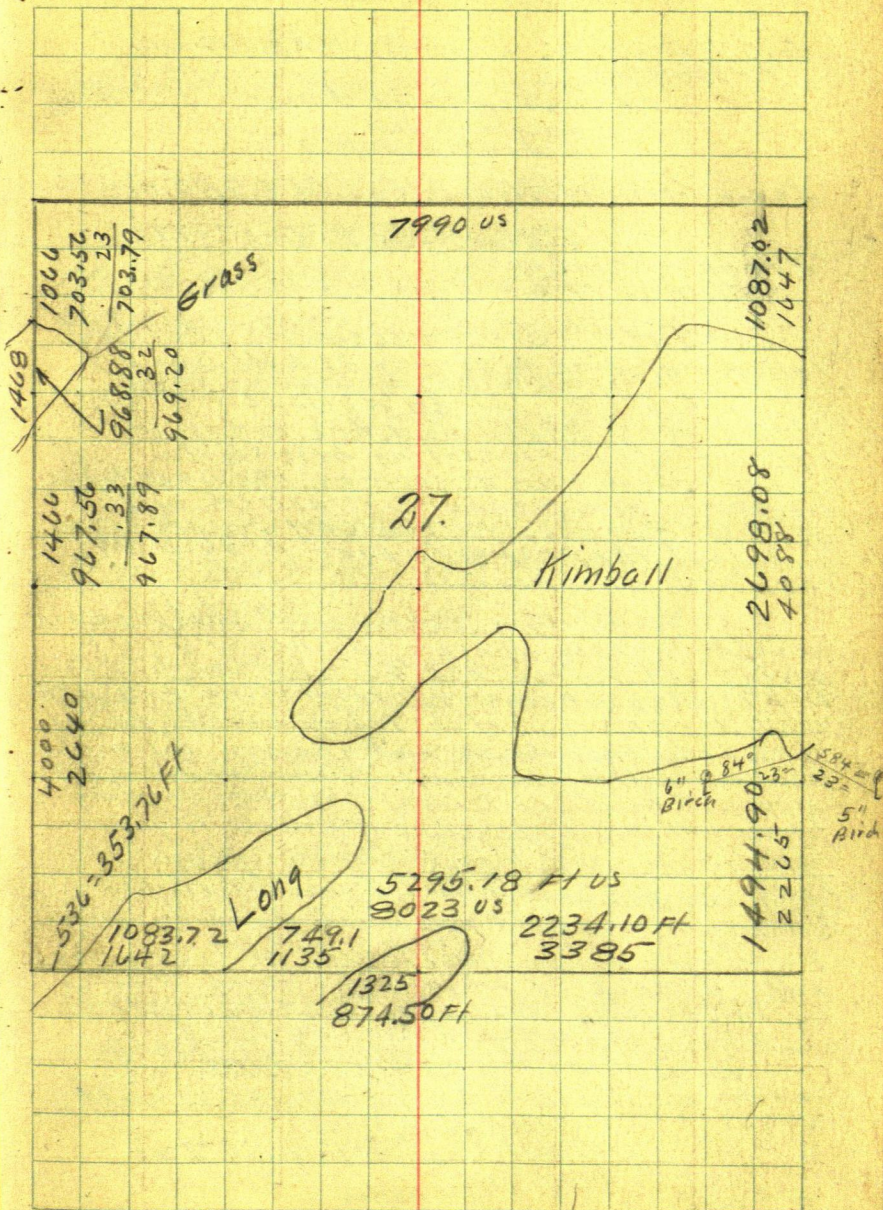
Frank and I hunt BTS @ mc and help them

Quit at dark.



137-28  
25

117





118

26

## Letter Copy

E. O. Ellsworth: L. H. Jones: H. A. Ellsworth  
President V.P. Sec

Ellsworth and Jones  
Incorporated  
Established 1871.

Iowa Farm Mortgages Capital \$ 250,000.00

Iowa Falls Ia Dec 6-1929

Frank A Kamberling  
Jenkins Minn

Dear Sir: Since receipt of your last letter relative to survey of Lots 6 and 7 and NW SW 27-137-28. we have written Mr George Weaver and are today in receipt of a reply stating he is still interested and as soon as the lines have been run and properly marked with official markers, he will call on you and look the property over providing the roads will permit

You wrote us last August that Weaver wished to know where the lines are that divide Lot 7. from the 40. and Lot 6. from Lot 7; also whether the North line of Lot 7 and the 40. West of it takes in the small Bass Lake that does not show on the map. and we will appreciate it very much if you will arrange to have the surveying done for us, expecting of course to pay you for your work and know you will get us the best price possible on the surveying, which we wish done by a surveyor whose work will be recognized and accepted the same as if done by the County Surveyor, in case you do not have the work done by him

Would like this work completed as soon as possible so we may close with Weaver

Yours very truly

Ellsworth & Jones Inc

By Wiggins )

EFW/c



US Notes - 137-28 Ellsworth and Jones

26-27-34-35

Hard Pine 7 N  $73\frac{1}{2}^{\circ}$  E 68

4 N  $63\frac{1}{2}^{\circ}$  W 103

7 S  $74\frac{3}{4}^{\circ}$  E 61

23 S  $35^{\circ}$  W 212

North Bet 26-27 - var  $10^{\circ}$  E

2265 MC, So Side Lake = (1494.90 Feet)

White Birch 5 S  $84^{\circ}$  E 23

" " 6 S  $84^{\circ}$  W 23

Run On Ice

6353 L<sub>v</sub> Lake and Set MC. On N. Side

y Pine 12 N  $71^{\circ}$  E 37 = 24.42 Ft

" 18 N  $19\frac{1}{2}^{\circ}$  W 92 = 60.72 "

8000 Cor 22-23-26-27

y Pine 12 N  $73^{\circ}$  E 28

" 12 N  $56^{\circ}$  W 97

" 16 S  $55^{\circ}$  E 43

" 16 S  $66^{\circ}$  W 84

27-28-33-34

y Pine 11 N  $33^{\circ}$  E 60

J. Pine 10 S  $64^{\circ}$  E 41

" " 6 S  $81^{\circ}$  W 16

" " 8 N  $36^{\circ}$  W 49



120

137-28 (28)  
28US Notes Continued

East Bet 27-34 Var 9°10'E

5.36 Temp M.C. W Side Lake = 353.76<sup>FF</sup>2178 " " E " " 1437.48<sup>FF</sup>

3313 " " W " " 2186.58

8023 intersect 56 Lks S of Cor 5295.18<sup>WS</sup>26-27-34-35West on true Line Bet 27-34 Var 9°34'

3385 MC E Side of Lake = 2234.10 W

Aspen 5 N 85½ E 60

" 5 S 37½ E 45

4710 MC on W. Side Lake = 3108.60 W

Aspen 5 S 56 W 50

" 5 N 13½ W 63

5845 Marked Aspen 12" diam for  
M Post E Side Lake = 3857.70 W

Aspen 9 N 36 E 19

" 7 S 43 W 7

7487 MC W Side Lake = 4941.42 W

Br Oak 5 N 37 W 30

" " 6 S 73 W 50

8023 Cor 27-28-33-34 = 5295.18



(29) 137-28

1.21

US Natl Contd Ellsworth and Jones

North Bet Secs 27-28  $\sqrt{9'10''}$

4000 Set  $\frac{1}{4}$  Cor

J.P. 10S 51E 10 = 6.6

" 9N 62W 16 10.56

5466 MC S. Side Lake = 3607.56 N<sub>US</sub>

Y.P. 14N 67E 58 = 38.28 Ft<sub>US</sub>

" 15S 35W 107 = 70.62

6934 MC N Side Lake 4576.44

WP 15N 61E 129 = 85.14 Ft<sub>US</sub>

JP 12N 39W 190 = 125.40

8000 Cor 21-22-27-28 5280<sub>US</sub>

JP 6N 57E 15

Oak 55 67E 28

W Birch 6S 53W 18

J.P. 6N 13W 28

East Random bet 22-27  $\sqrt{9'10''}$

4000 Temp  $\frac{1}{4}$  Cor

7990 intersect 10 Lks N of Cor

22-23-26-27

West line line bet 22-27  $\sqrt{9'20''}$

3995 Set  $\frac{1}{4}$  Post

JP 9N 70W 21

" 6S 6W 40

7990 Cor to Sec

21-22-27-28



122

(30) Ellsworth and Jones

Dec 24-1929 continued

Evening: Figuring

West side Sec 27-137-28 Pg 117

5280 into 1.76 = , 000 333 long S

5281.76 into 26.08 = .004938W

703.79 S goes W 3.48 MC N side

1672.99 " " W 8.26 MC S side

2640.88 " " W 13.04 =  $\frac{1}{4}$  Cor

OK unless we find alcl

BTS at Meander corner

1320.44 S goes W 6.52

Nix changed



## Christmas Ellsworth Jones

Dec 25-1929 Wed

Alex and Flora Mcintosh are at  
 Mattie's. Came from International  
 Falls last nite. Gerold helps Alma  
 with her work--cooking

5266 76  
 5237 52  
 29 24  
 112  
 106



124

27-137-28

(32)

Dec 26-1929 Thursday

I stay at my office -- Gorold runs  
 π. Reed drives Gorold out picks  
 up Carl and Frank - drops them  
 off @ 1/4 bet 22-27-137-28 where  
 they walk so and continue

South on E Sec 27-137-28

Gorold W. Curo H & B π No chain  
 Carl Schultze - Frank Kamberling &  
 Reed calls at Hauge res and  
 arranges for dinner for crew - then  
 comes home

Note: Gorold's line  
 South - hit 2681.46 W  
 of SEC cor 2681.04  
 = 0.34 W 1', 34"  
 Where I figured  
 it to come - close run.

Random  
 @ 90° N line

2642.00  
 35.26  
 38°  
 2681.06

2677.6  
 2640 + 41.40  
 2681.4  
 3.8  
 2681.4

I write letters. Alma - Reed and  
 I take Gorold to Emiley - get checks  
 848. and 8108. Scribner takes milk  
 line home.



Dec 27-1929 Friday

I pick up Carl and Frank and we  
work at US MC, bet 27-28-137-28 So  
side Grass Lake - Town Hub 1718.55

(See page 97) chain North 1673.0

45.5 to RR Spike 1672.995 then 45.5

West 8.26 set RR Spike for True MC.

See Correction on Page 122.

New MC. = 6" RR Spike

Oak 10 N 67°40'E 96.75

J. Pine 6 S 42°12'W 70.00, OK - same

Oak 5 S 18°50'E 70.00

( Old stump 15" NPS 39°30'W 66.5 } maybe old

" " 14 " N 57°E 39.3 } 137.5

US Notes call for

YP 14 N 67°E 58 = 38.28 set spike by flat ch

" 15 S 35°W 107 = 70.62

We find two old stumps from which I set  
6" R.R. Spike three 8" of ice on what may be sand  
beach by flat chain 4 ft N of bank

This spike bears N 21°W 7.80 ft

Shore runs N 40°E and S 53°W

all turned from my line line N  
all 3 eat dinner with



126 27-137-28 <sup>34</sup> Ellsworth and Jones

Dec 27-1929 continued PM

At my corrected spike  $\frac{1}{4}$  Rt 27-28-137-28

US Notes call for

JP 10 S  $51^{\circ}$  E 10 = 6.60 } set plates at

JP 9 N  $62^{\circ}$  W 16 = 10.56 } there points

New JP 12 N  $71^{\circ}$  03' E 42.00

" " 10 S  $20^{\circ}$  25' E 48.70

" " 11 S  $22^{\circ}$  E 67.50

Turned from  
course of N-S  
random

East on & Sec 27-137-28

300 pm 343.3 spike Hut 500 pm stake

790.75 spike in heart 15" Green J.P. stump

800 stake 10-27.7 spike Hut 1100 stake

1235 Foot of hill - enter flat - 1320 stake

1400 stake on brink Low sea wall

1403 enter ice Small Lake - S - side

NW-SE 1500-1600-1700 shore 100 so and

400 N - 1700 stake on ice 1916 Lake

NE-SW 2000 stake at foot of big hill

Walk 80 rods so and continue

Gerald's X line

East on & So half intersecting N-S &

To cor at dock. Carl Schultze & wife

Alex & Flora & Ashley McKinley at

Matthes. Note: Gerald had central Rd his

field notes to Jenkins this morning

telephone



Dec 28-1929 Sat

Alex went home on rail train Mrs  
McCintosh still with Mattie Reed and  
I pick up Carl and Frank. Carl & I

South bet 26-27-137-28

at 1320 S chain N 3.32 to 1316.685

Set RR spike on ice & tall flag <sup>Not yet</sup> <sub>Lined in</sub>

OK N.  $\frac{1}{16}$  Co Not corrected - must go  
East 8.82 - later. OK N-S.

at 2640 S chain N 6.63 to  
2633.37 S. Set spike RR spike on  
ice OK N-S - but should go E 17.63  
Set tall flag at spike - not corrected  
Carl & I run back to where Reed  
and Frank are waiting. Drive so to

26-27-34-35-137-28

Frank & I & C-chain Gerald's random

West bet 27-34-137-28 <sup>Reed goes to</sup> <sub>Regent with letters</sub>

By @ stone "t" @ 35.26 Cross RR spike in  
S end of Random from the North - 300-600-  
850 & road 10' N 900 stake & road SW  
1316.80 Hub nail; 1721.55 Nail hub  
2338.95 nail Hub; 2353. Sea wall W  
2363 cut ice NE-SW; 2636.3 nail on ice  
2677.85 nail on ice S end of random  
from the north



3188 L.V. in NE-SW - 3202 top low seawall  
 3240.9 Hub spike 3300 pin: 3666 air  
 fence NW SE: 3889.15 spike, 3900 pin  
 3944. seawall Low? 3956.5 spike Hub  
 3970 in NE-SW? 5012 L.V. in NE-SW.  
 5013.7 tall stake 5033 Brink Low  
 seawall 5053. Brink 6 ft seawall  
 NE-SW 5070 foot hill NE SW 5000  
 5100 pin ridge hill 5345.20 W  
 brick stake set by Gerald 2.6 S of Cor  
 Note stake marked "5338.3" wrong.

Note: Gerald and Carl Begun?  
 at spike 3.8 E of SE Cor Sec 27 and  
 chained West to SW Cor .. 27  
 their chain was "5338.3" some  
 mistake Today Frank and I lay  
 at cross in stone at line SE Cor 27  
 Ch West 5345.2 ft to SW Cor

(27)

5345.2

38

5349.0

5338.3

10.7 diff

Sec  
Cor 27

W ← 2.6 5345.3 015 — 3.8' spike  
 5338.3 By Gerald. — 2.6



132 2672.6 3960 5345.2 129  
 52 489 5250.0  
 2677.85 70089 6.552

1321

5284 Cold Ch OK. 489

2042

2042

89043

70.16 1/2

9023

0.16 1/2

5279.5

2350.825

2.35E

0.28E

TRUE 2657.3

2.63E

5314.6

2657.3

1328.65

1328.65

113N

125

4470116

P9134

3252.775

3.25E

3.400148

See P9134

5340537

3.89

3898.375

3.95

4.24E

4240.27

4863.17

4.86

0°3'20"

1336.30K

1336.30K

2672.6

1.35

5.25

2672.6

35.26

1336.3

1336.3

1336.3

1336.3

5345.2 OK Cold Chain

40089.6



130

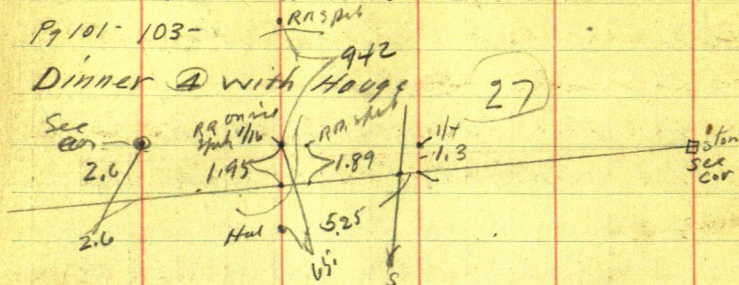
(38)

Dec 28-1929 continued

Find another mistake viz:

Pg 101-103-

Dinner @ with Hodge



Nat. Reed Lvs us at SE cor 27- then  
 goes to Pequot to Banking ch<sup>g</sup> 108 Mocking  
 Co and to mail Frank's teller also  
 takes no of suspicious car parked too  
 long near here We find Reed at  
 Hodge Res all eat dinner PM  
 We work on shown on Pg 131- Reed  
 brings Car in on old road the  
 SW 1/4 Sec 27- and helps Work till  
 5-15 and all go home in the dark  
 no charge for Reed

I Palier dance at Jenkins

Alfred Johnson

Dasper

Leslie

"

attend dance  
get cockey



Dec. 29-1929 Sunday

Reed and I take our lunch pick up  
 Carl and his lunch. Frank eats  
 our lunch. Out line

North thro center of SW  $\frac{1}{4}$  Sec 27  
 137-28 Chained from spike on ice  
 at W  $\frac{1}{16}$

Note: At 3900 west we chain 108.9 = 4008.9

West spike on random  $\pi$  over 4008.9

Focus west on random = W.  $0^{\circ}09'S$  Run

N  $0^{\circ}07'E$  1.95 Set R.R. spike on ice

True W  $\frac{1}{16}$  Cor. But 27-34

137-28  $\pi$  still on random Hub 4008.9

transit telescope S  $0^{\circ}07'W$  65. ft

set 2x12" Hub on seawall for

future use chained from spike  $\frac{1}{16}$

North (N  $0^{\circ}07'E$ ) on  $\frac{1}{16}$  thro

@ SW  $\frac{1}{4}$  Sec 27 @ 300-600-900 pin

on ice + 42 = 942 R.R. spike on seawall

+ 110 R.R. spike on Epty hill = 1052 N

Nat: 1 3889.15 we ch N 1.89 R.R.

spike on line so line sec 27-137-28

4008.9 W R.R. spike  $\sim 1.95$

Nat: This work done yesterday



Dec 29-1929 continued

North on W 1/4 line Sec 27-137-281052 Hub on hi hill + 102 = 1154  $\frac{1}{2}$ 

old crooked road E-W foot of hill

1184 N. edge cut bank 1052 + 268 =

1320 stake At 1318.00 N R.R. Spike

at intersection of random lines

1620 stake 1708 S. Brink of old washout  
when Gov Dam busted 8' hi NE SW1813.6 spike in center 6" green oak  
stump 2' hi 1832.7 R.R. Spike Hub

East pt of limit + 267.3 = 2100 stake

2400 stake + 155.8 = 2555.8 R.R.

Spike Hub: 2640 stake 2690 ice in  
small lakeat 2635.8 N R.R. spike at I.P. of random  
lines 1328.3 E Temporary

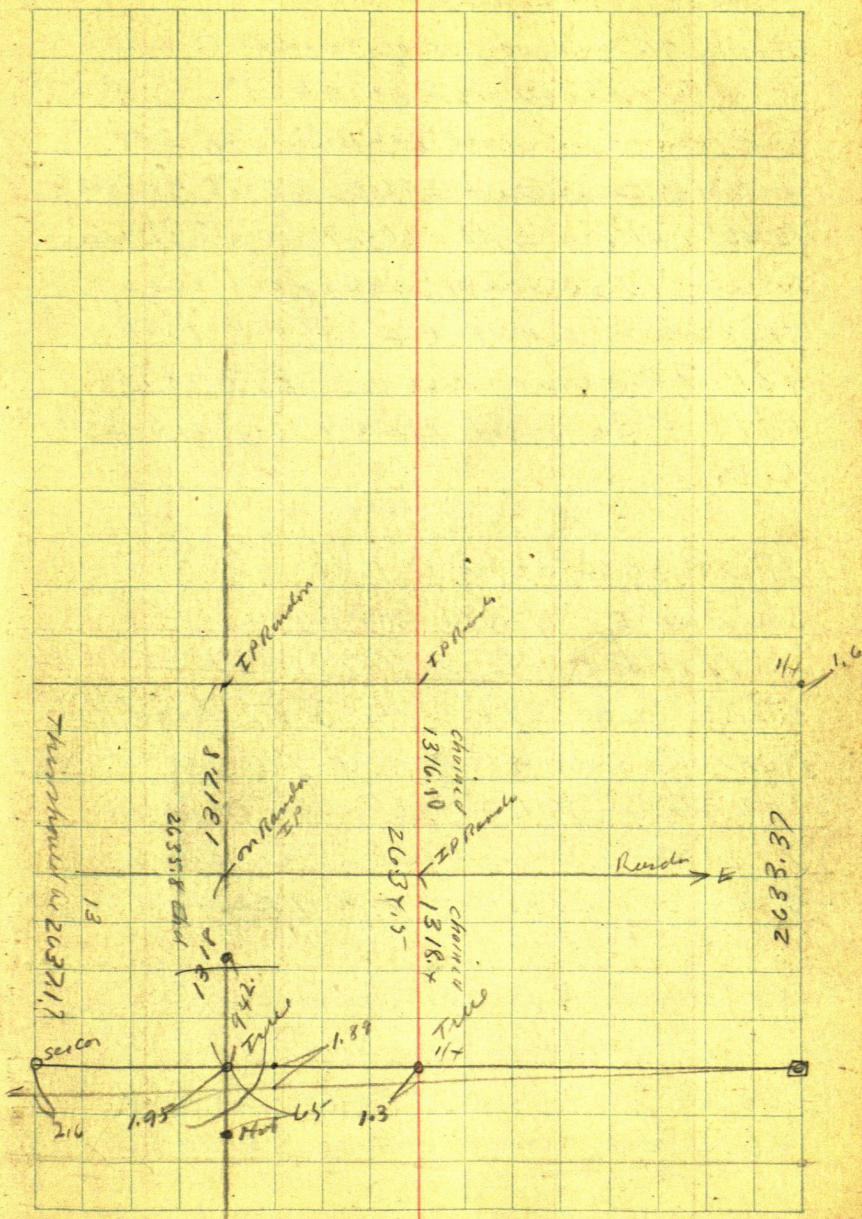
Center of West half Sec 27

North @ 57' hi: at 120 phase 40' W

@ 300 phase 80 ft W 300 + 174.5 = 474.5

stake in marsh 15 ft N of water SE







Dec 29-1929 continued

From RR spike at IP of Random line in  
 & S. Half Sec 27-137-28 ch

South on random 286 RR spike 300-

400 - 700 stake + 208.8 = 908.8 RR spike.

1000 foot big hill 1047 low 3. sea

wall 1050 stake 1063 foot sea wall

1068 end line in N 80° E S 80° W 1300 sth

1319.7 spike on in mtd 2677.85 W

1318.4 So 1/4 RR spike on in sec. E-1

5.25

50<sup>19</sup>  
129

1319.7

13.

1316.7

Walk 80 rods N to RR.

Spike at IP of Random lines ch

North on & Sec 27-137-28

61. RR spike 300 stake 549 Wood Hut

on N Brink of Big Hill Thence down

> 600 stake - 701.6 Tall stake on line

722 Foot bank - end line in NE SW

900-1200 - 1316.10 I.P. of Random line

From IP on Random line in Center  
 of Sec 27-137-28 Chain on random

North 247 foot of bank Lvs in

260 Top 3/4 bank 300, 381.10 RR spike

near big oak trees

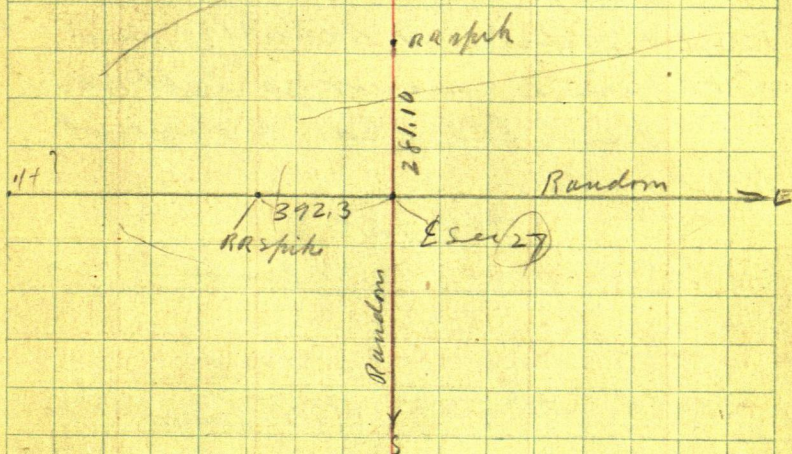


(43)

135

Ellsworth and Jones

From R.R. Spike at I.P. of random line  
 in center of sec 27 chain westward  
 300-373 L in front sec wall  
 392.3 R.R. spike on random Flat sec  
 wall 4' up @ 420 foot of big hill



Home lab



Dec 30-1929 Monday

all AM Fixing Reed and I drive  
to Carl Schultze Call up Frank  
Kunberling who says he cannot  
go but to take Carl and finish  
putting R.R. spikes at all points

I figure till 10 AM then  
Reed & I drive to Schultze and  
tell him I cannot go till noon

Reed takes car to Regent  
h. fire starter

Try This?

|                                                                             |                 | Random               |        |
|-----------------------------------------------------------------------------|-----------------|----------------------|--------|
| F <sub>1</sub> <sup>4</sup><br>1319.5<br>2437.1 F <sub>9</sub> <sup>4</sup> | ZL35.8          | 1316.1               | Random |
|                                                                             |                 | 2637.5 chd<br>1318.7 | True   |
| 1317.6 F <sub>9</sub> <sup>4</sup>                                          | Choir<br>1318.0 |                      |        |
|                                                                             |                 |                      |        |



45

Ellsworth

137

Sec 27-137-28 JONES

N.

2642

2642

1321

1321

1321

1321

9023

1319.87

1316.68

2637.7x

1319.87

1316.68

2633.30

5279.48

1319.87

1316.68

5266.72

2633.30

2637.7x

1319.87

1316.68

2657.30

1328.65

1328.65

1328.65

1328.65

1314.07

1318.25

2636.55

1332.48

1332.48

1332.48

1332.48

2638.14

1314.07

1318.27

1336.3

1336.3

1336.3

1336.3

2672.6

4008.9

5345.20



Dec 31 - 1929 - Ellsworth &amp; Jones

Mailed the following bill

Dec 29 - 1929  
Curo Engineering Co Jenkins Minn

Weekly Statement For Time and Expense

Week Ending Dec 29 - 1929

Survey of Sec 27-137-28-D

Dec 14<sup>th</sup> To 29-1929 (Two Weeks)

|                                   |             |
|-----------------------------------|-------------|
| John W Curo Engr 12 days @ \$15   | - \$ 180 00 |
| One Assistant Flyer 2 " " 4       | 8 00        |
| Car with crew & tools 12 " " 2.50 | 30 00       |
| Drow ck to Curo Eng'g Co          | \$ 218 00   |

|                                   |           |
|-----------------------------------|-----------|
| Frank Kamberling 12 days @ \$4    | 48 00     |
| Carl Schultze 12 " " 4            | 48 00     |
| Roy Hauge 2 " " 4                 | 8 00      |
| Josephine Hauge 36 dinners @ 50 c | 18 00     |
| All at Jenkins Address            | \$ 122 00 |

Mailed Dec 31 - 1929

Jan 2 - 1930

I Recd ck Chicago Draft \$ 218.00 in full  
Ellsworth & Jones letter state they  
sent checks to others

Note: As I used Kamberling car one day  
on this work I give Frank Kamberling  
my ck dated Feb 3 - 1930 \$ 2.50 in full



July 14-1932 Ellsworth Letter T. Kamberling  
Ellsworth and Jones Wile Frank Kamb-  
-berling they have sold Mr G Co Weaver  
"That part of Lot # 7 Lying west of creek  
and Kimball Lake and a strip 200 ft wide  
along E Side of creek. A sufficient <sup>N. of town in</sup> 3x4  
to take in all the little private lakes with  
sufficient land on all sides to fence  
above high water mark  
And NW 1/4 SW 1/4"

Note: Weaver suggest the following  
description for a deed:

"The South 40 rods of East 15 rods of  
Lot 4, and the West 50 rods of so 40 rods  
of Lot 3, and the West 850 feet of Lot 7.  
except that portion of Lot 7 lying south-  
-east of Long Lake"

"--- would this description cover what we  
agreed to give him" ---

"--- should it be necessary for you  
to go over the ground again"

-- "The surveyor might give this from  
his notes or" ---



July <sup>31</sup> 29-1930

A few days ago Kamberling handed me letter. Today I write them a survey will be necessary - see letter

Aug 2-1930

They inquire as to Cost of survey

Aug 5-1930

I agree to make survey of Weaver Land set Irons and mark plot @ \$60.

Aug 7-1930 They accept my offer

Aug 9-1930 Lat Reed and I get Gerald

Aug 10-1930 Home Sunday

Aug 11-1930 Monday

Gerald-Reed and I. Take lunch

2 Bottles milk - one slice cake

Alma hides our lunch. Cut out lines

Aug 12-1930 Tues.

Reed and Gerald work - in office

They come home to dinner

PM

Alma goes back with them







142

(50)

Aug 13-1930 Wed  
Gerald and Reed. work I work  
in the office

Aug 14-1930 Thurs

I in office; Reed and Gerald work  
and come home to dinner  
P.M.

Reed and I go to St Thomas camp  
see Doc Nageli - Gerald at home

Aug 15-1930 Friday

Gerald-Reed and I take lunch

10-30 am - Gerald gets hurt  
all drive to Buiness - Gerald at  
Dr Thabes office

Car greased

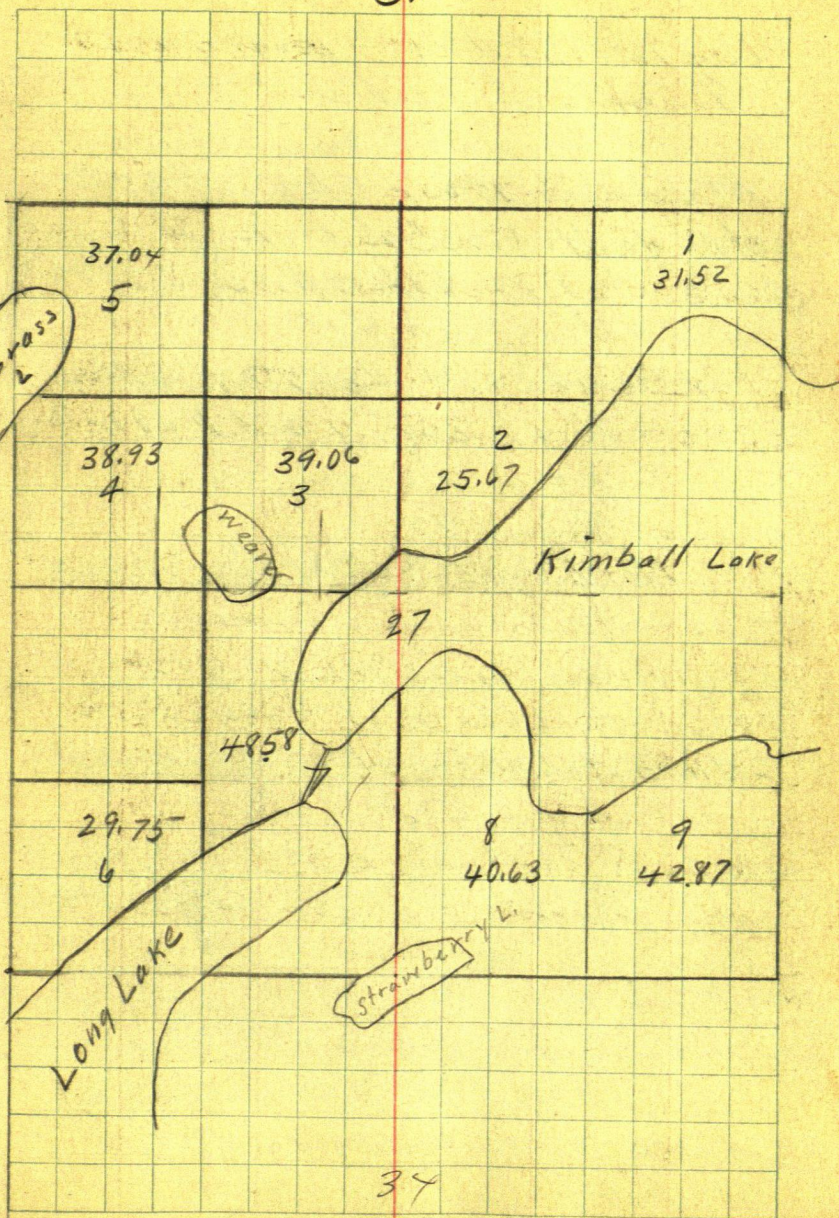
Home to Jenkins 6 pm.

Alma stays over night at Bryant  
res.



Ellsworth  
and  
51 Jones

143





Aug 16-1930 Sat East on 2 27  
 Gerald-Reed and I and  
 Lurch - Gerald's head in bandage  
 Held stake 2000 E ch went 65 ft  
 set pt for Hub 1935 E on E-W 2  
 Sec 27-137-28 Lake 10 ft NW. @ 2500  
 E old stake at foot Hill

East on 2 Sec 27 Random  
 $2000 + 76.4 = 2076.4$  old Hub on Random  
 Top-Reed and I chain Gerald's  
 transit line @ 90°

North on E Property line Weaver  
 tract - Preliminary survey  
 @ 20 ft Birch big hill <sup>N 10° E</sup> NE-SW @ 150 foot <sup>140</sup>  
 @ 225 foot - Lake <sup>73 L</sup> 65 W @ 200 Lk 65 W  
 241.95 Hub in bottom - S-Edge low  
 revenue runs E 50 ft Lake 100 L  
 @ 300 Low land runs <sup>Lake 125 L</sup> E 50 ft 375 foot  
 big hill NW-SE Lake 150 L <sup>55°</sup> 450 SW Birch  
 581.65 Hub on lip - 600 stake Thru @ 90°  
<sup>581.65</sup> West Parallel with Random E-W  
<sup>580.20</sup> from line  
 @ 75 Birch NW-SE 200 to 225 revenue  
 in rid. hill N-S - Foot 50 L Top 50 ft  
 Lake 150 L - 100-200-300 stake  
 312 Hub on low ridge NE-SW



Sec 27-137-28

Should Be as Shown Here

5284.00 East assumed

1321 2642 1321 1321 2642 1321

|                           |                                    |          |          |                        |
|---------------------------|------------------------------------|----------|----------|------------------------|
| 1319.875<br>90° 16 1/2'   | 1319.08                            | 1318.28  | 1317.48  | 1316.68<br>90° 23'     |
| 1324.825                  | 1324.825                           | 1324.825 | 1324.825 |                        |
| 1319.875<br>5279.50       | 1319.08<br>TP .65 E<br>and 1.25 N  | 1318.28  | 1317.48  | 1316.68                |
| 1328.65                   | 1328.65                            | 1328.65  | 1328.65  |                        |
| 1319.875<br>50° 14' 15" N | 1319.08<br>S 1 TP<br>1.61 N 5.32 E | 1318.28  | 1317.48  | 1316.68                |
| 1332.475                  | 1332.475                           | 1332.475 | 1332.475 |                        |
| 1319.875<br>89° 57 1/2'   | 1319.08                            | 1318.28  | 1317.48  | 1316.68<br>89° 57 1/2' |

1336.3 1336.3 1336.3 1336.3

2672.6

2672.6

5345.2

2633.37 5266.74 2633.37



146

(54)

Aug 16-1930 Contd

West parallel to random &amp; 27-13728

325 pin 400 foot big hill N-S-

425 stake + 42.2 = 467.2 W. Hub

on lip 30 ft W of brink. Then on flat.

(Note: Garold got hurt here  
yesterday 10 AM)2076.40  
28

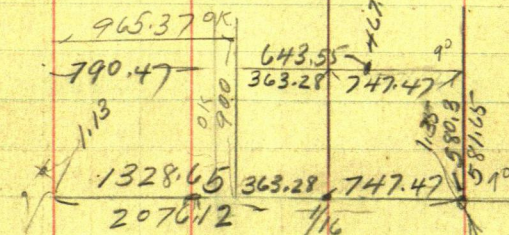
2076.40 - 0.28 = 2076.12 E

2076.12

N 11.20 to E-W L.

$$\begin{array}{r} 747.47 \\ 363.28 \\ \hline 1110.75 \end{array}$$

1110.75

45  
15  
80

$$\begin{array}{r} 543.55 \\ 319.70 \\ \hline 223.85 \end{array}$$

$$\begin{array}{r} 1328.65 \\ 790.47 \\ \hline 538.18 \end{array}$$

$$\begin{array}{r} 363.28 \\ 747.47 \\ \hline 1110.75 \\ 567.20 \\ \hline 543.55 \end{array}$$

$$\begin{array}{r} 1110.75 \\ 567.20 \\ \hline 543.55 \end{array}$$

$$\begin{array}{r} 1110.75 \\ 467.20 \\ \hline 643.55 \end{array}$$

$$\begin{array}{r} 900.00 \\ 580.3 \\ \hline 319.7 \end{array}$$

$$\begin{array}{r} 2076.40 \\ 28 \\ \hline 2076.12 \end{array}$$

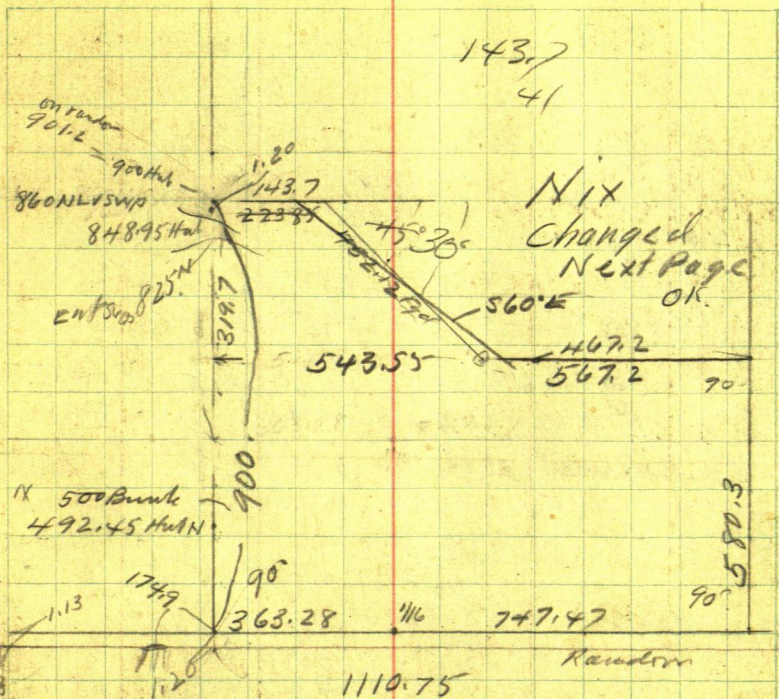
$$\begin{array}{r} 565 \\ 412 \\ \hline 153 \end{array}$$

$$\begin{array}{r} 70711 \\ 319.700 \\ 282844 \\ \hline 368550 \\ 333253 \\ \hline 150150 \\ 141722 \\ \hline 86280 \\ 70711 \\ \hline 153690 \end{array}$$

$$\begin{array}{r} 223.85 \\ 143.7 \\ \hline 80.15 \end{array}$$

John W. Curo





PM. Gould & Reed walk so to dinner  
 I eat no lunch - work at NW Cor  
 Weaver hut at Goulds Hut 900 ft  
 I ch N 1.25 set Hut 900 ft N of Tine 2  
 T over 901.25 turn 90° E cut  
 @ 41. stake in lower level Bog 40 R  
 50 foot of hill @ 143.7 Hut on top  
 T over 143.7 Run 560° E 100 ell  
 150 foot of hill 200 ind. the some  
 @ 639.4 insert line 412 W Hut at 674

John W. Carr

Nix - Change this

Run New Line 950



148

86603

(56)

560°E

Sine  
Cos  
Tang  
Cot

1.732 x 319.7

3197

12124

15588

1732

5196

553.7204

S60°E

Sine 5000 x 639.7 = 319.75

Cos 86603 x 639.7 = 553.7E

5)3197 639.7

30

19

18

47

45

20

369.2

86603)319.700

259809

598910

519618

792920

779427

137930

543.56

1737°

399.85

399.85

31970

80.15

15° 25' 88"

320

51760

7764

82816

525

143.7

668.7

54355

125.15

8282

80'15"

207

80

86603)319.7 changed

86603

63970

821

86603

6397

606221

779427

519618

528.018491

639.4

5)319.7

30

19

18

47

45

20

639.4

319.70

86603

639.7

3 x 6412

779427

259809

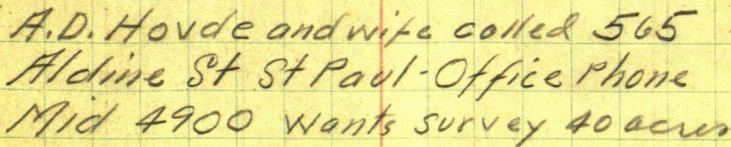
519618

553.699582



149

Re-figure angle





150

(58)

Aug 18-1930 Monday

up at 5 am - Feel burn go back to bed  
 Breakfast 8-30 - 9 am - Lr Reed - Gerald  
 and I - Nels: Berger Klott promised  
 to go but had to help "Thresh"

Gerald buys 2 bottles of milk  
 and burn 50¢ Reed and I take us  
 lunch

Tower Hub 143.7 (see Page 149) run  
 S 51° 20' E @ 138.4 oak stake 2 1/2 x 36  
 @ 251.15 oak stake large @ 411.20 oak stake large  
 @ 510.3 intersect <sup>2x26"</sup> I.M. at <sup>20</sup> 567.52 W  
 W. Oak 85 About 30° W 21.10 JP 12 S About 80° E 22.2

At NW Cor Weaver Tract set 2x26" pipe  
 Hollow Poplar 15° S About 80° W 31.15  
 Oak 8 N " 20° E 18.40  
 sets on side hill

At NE Cor of N. Weaver tract - Hub 580.30 N  
 short 4" pop stump N About 45° E 1.90 Blazed  
 " 4" Oak " N " 45° W 6.20

Ties to Hub 143.7. Set 2x26" Iron pipe  
 Red Oak 3 N 8° 40' E 9.00 <sup>on hill</sup>  
 JP 14 S 53° 22' E 49.70



(59)

Ellsworth-  
Jones

151

Aug 18-1930 continued

From Hub 1110.75 (see Pg 149.) bearing  
SE Cor N. Weaver Track<sup>N</sup> Chain  
East down Big Hill 186.5 T. ft one  
inch so of old stake marked "392.3W"  
 $392.3 + 186.5 = 578.8$  West of IP of  
Random lines on ice set Dec 29-1929 Pg 135.  
Sea wall 10 ft E wall 20 ft E. Foot of  
Big hill 25 ft west

set pt 1.35 N and drive 2x26" Iron pipe  
in pile of stones

J.P. 11 N about 30°W 8.00

" 12 S " 60°W 21.70.

$$\begin{array}{r} 1110.75 \\ 965.37 \\ \hline 2076.12 \end{array}$$

$$\begin{array}{r} 186.50 \\ \hline 2262.62 \end{array}$$

$$\begin{array}{r} 392.80 \\ \hline 2654.92 \end{array}$$

$$\begin{array}{r} 2.63 \\ \hline 2657.55 \end{array}$$

showed us - 
$$\begin{array}{r} 2657.55 \\ 2657.30 \\ \hline \end{array}$$

1328.65

$$\begin{array}{r} 2657.30 \\ \hline 2659.3 \end{array}$$

2659.3

1110.75

186.50

1328.25

392.3

1699.55

965.37

2664.92

2.28

2665.20

5.25

2.63

25 OK. close check Theo & 27

see Page 145

23.5

5.25

2.28

5.0

21.72



Pack T 50 to RR. Spike on E side of  
 Creek on Random Line running E  
 Thru C. 20 Half of sec 27 - (Not channel E)  
 RR. Spike sets 90 ft E of water - 82 ft E of  
 foot of bank - 72 ft E of Top of Creek Bank  
 Chain East 60.7 ft New Hub <sup>90 to water</sup>  
 82 Foot Bank  
 72 ft Top  
 Use Stadia.

T. over New Hub on Random 635 ft  
 West of RR. Spike = IP of Random line  
 in C. of 20 Half of sec 27-137-29 Run  
 90° North Stadia Rod N 0° 50' E

@ 75 T. 100 L Bank of Creek says E 25 ft  
 @ 150 L Bank is 25 ft West; @ 200 L Bk 25 E  
 @ 298 stadia rod on E of L Bk Creek  
 E Bank Creek + Lake is 50 ft N

at 350 about intersect E Bank of  
 creek at lake too much brush to  
 see to lake

T still over New Hub  
 Tall Pole on E Bk of creek bears  
 S 61° 40' W 205 ft stadia

From RR spike IP of Random line 250 ft E  
 ch West on old line 385 old Road NWSE  
 412 RR. Spike; 440 Birch; 570 alder crook N.E.  
 Foot of Hill; 635 Hub under transit  
 Goralat dike 601 Thelms Beamed



Aug 19-1930 Tues

Garland Reed and I

Town Hub 412 W of RR. Spike = ~~RA~~  
at 2 P of Random Line & S Half 27 in  
North To Lake and S 45° W to Lake

Correcting

N-S & Page 134

1318.40

1316.10

1.30

2635.86

1317.93

1318.40

1317.93

.47

3.94 E

1/4

center line

1318.40

1316.10

1.30

2635.86

1318.28

2636.56

2635.86

.70

Correcting E W & S Half Sec 27-137-28

RR. Spike at 2 P goes 0.47 S and 3.94 E to

True 1/16 Cor in CEN of S Half

S RR. Spike up 412 W is 416 W goes

$0064 \times 416 = .27 N \times 47 S = .0208$

RR. Spike on E Rh Cuckers 699.6 x W and

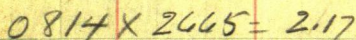
$90.5 \times 64 = .045 N - 47 = .025$

1320 W goes  $1320 \times 64 = .85 N - 47 = .38 N$

S 1/16 Cor on W Side goes N. 1.70



62



$$699.64 \times 81\% = 567.11\% \times 475 = 0.10N, 32\%$$

$$1332.475 \overset{\text{ft}}{\text{N}} \times 1.08 \times 5.47 = .61 \overset{\text{ft}}{\text{N}} \times \text{N} = 1/16 \pm 5 \text{ wt} \%$$

$\pi$  over  $4/16$  W Run N parallel  $1/6$  E Bdy  
Gov Lat 7- Sec 27-137-28 =  $N 0^{\circ} 3' 1/3'' W$  from E-W

Seawall - 495 water Ties to Iron pipe  
Birch stump <sup>4"</sup> 6.10, N and 0.30 E. Birch, Birch  
3N about 30° E 9.80 Birch 10 in cluster  
About West 21.2



63

See Page 129

170  
42  
2.17

NW 1/4

NE 1/4

2356.825

2636.56

131E

2.35E

2.63E

1.36N

5273.12

RR 1/4

279.77

Random 20/10

Random

5278.28

See p 134

3.94E

3954.87

5246.77

11.2N

sol. Thin. 6W  
and 13.2E

2664.95

47N

Random

Correction  
= 1.1E

1.30

1.14

5.25

1/4

2.6

1.95

1.13

0.65

35.46

2665) 1.70 = .00064 + 47 for 2004 foot W

1.13  
12  
125.2N

160  
113  
47  
12



156

(64)

Aug 19-1930 continued

Run 416 W of  $\frac{1}{16}$  in  $\pm 5\frac{1}{2}$  run  $545^\circ$  W <sup>down</sup> this  
 @ 93.5 oak Hub' 301 & old road NW-SE

327. IM 2x26" Pipe on seawall

Oak 5 N about  $40^\circ$  E 8.10'. Pap 9 SE 11.2

327. + 18.8 = 345.8 Hub on seawall 3. ft  
 from waln set IM 5 at all points  
 Quit at 7-20 PM.

Aug 20-1930 Wed

First day in Old Farmers State Bank Pegnet  
 Reed and I platting.

Aug 21-1930 Thurs

at Home in Jenkins Platting

 $S 51^\circ 20' E 510.3 \text{ Ft} = 38^\circ 40'$ Sine  $62479 \times 510.3 = 318,835$  Should be 319,70Cosine  $78079 \times 510.3 = 398,44$  OK " 399,85

1.44 Short E W

0.87 N-S.

Calc  $1110.75 - 1.44 = 1109.31$  OK $580.30 + 87 = 581.17$  call this 581.17 $S 51^\circ 20' E 510.3 = 38^\circ 40'$ Sine  $62479 \times 281.23 = 215,715$ Cosine  $78079 \times 281.23 = 219,58E$

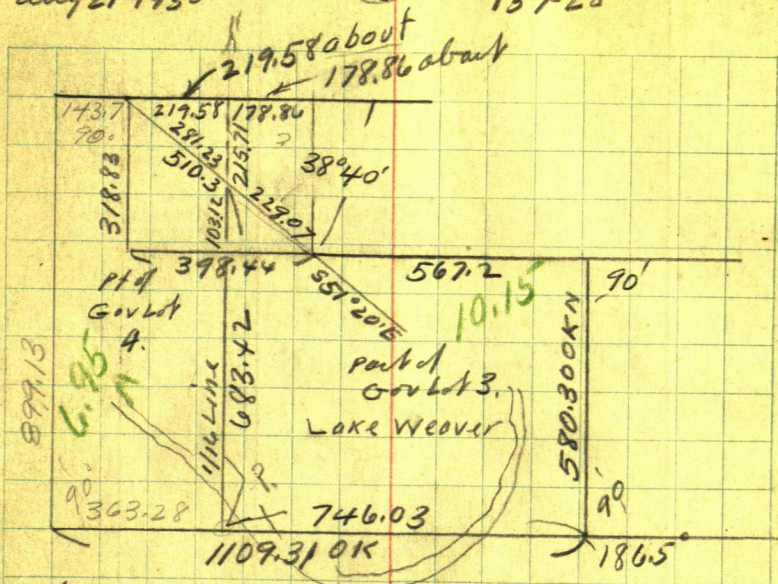


Ellsworth Jones  
Aug 21-1930

See 27  
137-28

157

(65)



Acres Fgd

$$899.13 \times 363.28 = 326.635,9464 \text{ ft}$$

Minus Triangle

$$23.682.8009$$

(43,560)

$$302.953. (6.955 \text{ acres})$$

$$746.03 \times 580.3 = 432.921 \text{ OK.} + \text{Triangle}$$

$$\text{Triangle} = 103.12 \times 178.86 = 18.444 + 2 = 9.222 \text{ ft}$$

$$432.921$$

$$9.222$$

$$(43560) 442143 (10.15 \text{ acres L A 3.})$$

Aug 22-1930 still mapping

Gov L A 7 contains

48.58 acres us

We deduct

$$24.08$$

Leaving For Weaver

$$24.50 \text{ acres}$$



158

Elsworth  
+ Jones  
66