

139-29

5

Book 156

April 18-1920

at the Cr to 27-28-33-34

139-29 we find a 2x2x36 inch
slab set by me last year for
the true corner

New BTS Uj 8° S set last year

JP 10 N 55° 30' W 47.80 ft

Pine Slump 16" S 71° 30' W 40.10

" " 30° N 38° E 91.05 ft

" " 16" S 83° E 9.20 "

@ 8° Set with Gunley Compass

At MCN 21. lot 28 and 33

E side Lake Ada US Nalis m

NP 16 S 33° W 44.45 = 29.04 ft

BP 9" N 63° E 16 " (= 10.56 ")

We find the stump of the NE line
from which I set a 2x2x20" slab
for the true corner

New BTS Uj

NP 6" N 44° 58' E 45.20

JP 6" S 14° 01' E 38.92

To flat spot at base

Then both marked

Recorded by Cugo

Turned from true line to

Jan

Hub

Senter

LV

boy

Then

about

April 18-1920

7

courses turned from the true
line South

New BTS $N 88^{\circ} 20' E$ 21.6

8" JPN $N 88^{\circ} 33' E$ 21.60 ft

old BT, $S 56^{\circ} E$

12" NPS $16^{\circ} 40' W$ 54.10 ft

10" NPS $31^{\circ} E$ 151.57 = 15.40 ft

Courses turned from true line
looking South.

(New Spoke $31^{\circ} 02' E$ 15.40) PB. Ch. Apr 13-1935

(New NPS $82^{\circ} 40' E$ 34.95)

From Cor 27-28-33-34

T139 R29 we run

North on true line bet 27-28

@ 75 ft enter wet swamp

To get distance across swamp

Run from Cor to 27-28-33-34

East 100 ft. Hub across swamp

bears $N 14^{\circ} 19' W$ NW angle

of triangulation but bear

$75^{\circ} 41'$

Distance to Hub over swamp

is 391.80 ft

@ 330 ft Swamp: 391.80 Hub

400 Lat. Nat. line 485 enter

same swamp E & W. 560 ft

700-stake 710 enter bog

NE-SW Run 100 ft NE then

N 100- then NE 200 about

John W. Cunn

8
April 18-1920

@ 975 cross creek - Flow E
8' wide 8" water along bottom
in meadow 1000 lath

1150 vt Creek bed meadow SW-NE

1300 slate not on line 1513. Hub on
top of hill 1600 slate 1900 slate

2102.70 M.C.

$2115.30 \text{ US} = 2102.70 \text{ - Ft my chain}$
being 12.60 Ft short = .005957
short in each foot US.

HT 13

See Field Book H 148

Jahn W Cress

9.

(1)

{ Goelker-Hennen
Survey
Govt Lot 3-27-139-29

Sunday.

Aug 8 -1926

Joe Hennen calls from Pine River
and I agree to meet him at
end Lake Ada this PM

2 PM Alvin Reed and Jim
old Ford & Jenkins - meet
SP Hanson and Joe Hennen
at "Carpenter's place" and we
all go half a mile NE to
Goelker's cottage.

I meet Carl Goelker of
2-511th St Npls who has Lts
from Hanson & Hennen?

Goelker wants his land sur-
veyed and as he cannot stay
wants me to put in "one day"
now and finish later

John W. Cress

(10)

(2)

The men who are to help me are
 Joe SUK of 1411 Harvard Ave N.
 Minneapolis also
 O.B. Gantert of 3217-39th Ave S who
 who are staying at Guelther's cottage till
 Saturday.

We walk 80 rods SW along so
 shore of Lake Ada where they show
 me an I.M. 2 1/4 x 48" galvanized
iron pipe capped and apparently
some new BTS.

I tell them that the iron was
 probably set very me or at least
 I set this some years ago from
 old US BTS. but have not got
 time to-day to check it up to
 make sure of its identity but
 will do so later when I have
 more time -- however I do not
 see anything which looks like
 my old Bearing trees. we shall see
 later
 John W. Cress

Guelcher Survey
 Lot 1-27-139-29 - Cass Co

Aug 13-1926 Friday

Look up old field books & notes
 all morning and @ 10-10 AM.
 L & Perkins with Reed Cocco 11-year
 old and my old Ford
 on Guelcher College 10-55 AM.

SOK - Gantuit and I go along lake shore
 to I.M. which they showed me Sunday
 and as it does not check up with my
 notes we walk about 600 ft further
 S.W. when I find another I.M. of the
 exact same kind with all of the old
 and new Bearing lines called for in my
 old notes as given on pages 6 and 7 of this
 book

Suk and Gantuit go to dinner while Reed
 and I drive to con

27-28-33-34-139-29

where we dig up an iron monument 2x?
 capped and set its full length in the
 ground in E of a new graded road
 N-S.

we also find my old BTS and also 05
 BTS. called for on page 5 of this book

We do not disturb any marks but go
 and get Suk and Gantuit to help us
 P.M. 2 PM.

Reed & I with Suk and

go to con 27-28-33-34-139-29

Transit over I.M. from so on cut out

Focus So on cut out road about a mile
line north runs about $1^{\circ}20'N$

Note: as my old bearings were taken
with a compass years ago the course will
not check perfect with the transit to-day
but the distance is perfect

A course to-day only

From road line to as meridian
Page 5.

1010 N $52^{\circ}30'W$ 47.20

" 11 N $54^{\circ}20'W$ 48.95

Prin slump 16 S $71^{\circ}30'W$ 40.20 40.10

" 30 N $34^{\circ}E$ 91.6

Prin slump 16 S $83^{\circ}E$ 9.20 grubbed out in
road construction

~~New BTS to cap.~~

31.20

old US BT slump 20 S $79.45^{\circ}W$ 31.40

US Notes can for

27-28-33-34-139-29

NP 24 N $50^{\circ}E$ 42 =

NP 24 N $37^{\circ}W$ -9 =

NP 24 S $79^{\circ}W$ 47 = 31.02 ~ 31.20

NP 28 S $5^{\circ}E$ 22

Note: My old BTS don't check
perfect but I decide to use the T.M. from
which I chain

North on line line bet 27-28

Rain and we quit till 3 PM.

set stakes every 300 ft but do not get
founded Chain from MC north E 1450 ft
rough chain to new cottage which may
not be on this land we shall re calc

Aug 14-1926 Sat

as Mrs. Carpenter also
wants her dinner for which she
will pay \$15. Alma Reed & I in my old
Ford eat dinner home and in
PM

47
282
282
31.22

drive to Lake Ada - pick up an artist
painter who has just been disturbed by a bear?

I check up on MC N^o 8. Reed and I
find it leaning and we straighten the top 0.20
4 foot East after which my old BTS. and
NE BT slump check perfect for distance

Alma and I then drive so to en
27-28-33-34 139-29

where I find the top of Im. leaning 0.20
4 foot East - we straighten it after which
BTS V_i Carefully Chained

10" JP NW 47.35 to new spot 3. Hup

11" " NW 49.05 old spot 3. Hup

6" Oak New spot SW 21.90 above

3" JP SE 35.40 spot at base

Pin slump 16 SW 40.10 P₉ 12 and P₉ 5 then out

old US BT slump SW 31.20 check chain

North on line line bet 27-28-139-29

300-600-900-1200-1300-1500 slake + 22.15

1522.15 - Hub on hill on line

Begin MC. Ch 8 on line line 300 slake

400 slake 500 slake + 82.40

+ 17.60 - 600 slake

100.00

82.40

17.60 = 6003.

1522.15

400.00

182.40

2104.55

Lake Ada run N 25° E about

2115.30 US = 2104.55 = 10.75 short

= 1050821 short

2115.3

13.20

795.3

4.04

791.26

1320 - 6.71 = 1313.29 N = 5 1/16

795.3 - 4.04 = 791.26 S = 5 1/16

10.75 2104.55 my ch.

set 2x 36" Im in 2 N-S Road True 1/16

From MC. Ch 8 on line line 300 x 500 - 600 - 600
on line line Supper with Mrs. Carpenter home

Jahua Cane

14

(6)

Aug 15-1926 Copynalis Sunday

N 25° E 1400 - Sin =

Sine 4226 X 1400 = 591 E Rough
 Cos 9063 X 1400 = 1270 N. rough

Sine 6157
 Cos 78801

38°

52
 38
 90°

Sin 78801
 Cos 6157

52°

6157) 100000 (162.42

6157
 38430
 36942
 14880
 12314

25660
 100.98 24628
 10320

162.42

6157
 113694
 81210

16242
 97452

99027) 100000
 99027

973000
 891243
 9817570
 792273
 25357

100000 1994

16242

6157
 113694
 81210

16242

97452

100000 1994

99027

1001

99027

99027
 126.27

Nix

78801

16242

157602

315204

157602

472806

78801

127.9885842

8°

Sin 1392

Cos 99027

Tan 1405

⑦ Aug 14-1926
Sat.

16

Warranty Deed

Elsie N. Farrow and Harry A. Farrow
(her husband) of Hennepin County

To

Sarah L. Carpenter (married)
of Hennepin Co. \$1.00

Copy

Tract or parcel of land in Cass County
Beg @ a pt 400 ft so of the North
Meander stake of Gout Lot 3.
Sec 28-139-29-5PM.

Thence South 100 ft.
" West at right angles to the shore
of Lake Ada; Thence along the shore
of Lake Ada in a northeasterly direction
where to a point where a line running
East and West from the point of beg
would intersect with Lake Ada.
Thence East to the point beginning the above
land being the South 100 ft of the
North 500 feet of Gout Lot 3. containing
2/3 of an acre more or less, also;

Beg @ a pt 500 ft so of the North meander
stake of Gout Lot 3 - Sec 28-139-29.

Thence South 100 ft
" West at right angles to the shore of
Lake Ada; thence along the shore of Lake
Ada in a northeasterly direction to a pt
where a line running East and West from the pt of
beg would intersect with Lake Ada.
Thence East to the pt of beg.

The above land being the South 100 ft
of the North 600 ft of Gout Lot 3 -
containing 2/3 acre more or less
according to the US Gout survey
shurf. - Deed 79392 - Book 49 p 400 (or 481)

Copy

Jahm W. Curo

(16)

(8)

100.98

$$\begin{array}{r}
 99027 \overline{) 100.00} \\
 \underline{99027} \\
 0973000 \\
 \underline{891243} \\
 817570 \\
 \underline{792216} \\
 25354
 \end{array}$$

$$\begin{array}{r}
 1392 \\
 \underline{101} \\
 1392
 \end{array}$$

$$\begin{array}{r}
 817570 \\
 \underline{792216} \\
 25354
 \end{array}$$

$$\begin{array}{r}
 1392 \\
 \underline{140592}
 \end{array}$$

$$\begin{array}{r}
 128.00 \\
 \underline{14.05} \\
 113.95
 \end{array}$$

39.7

7.2 for NW corner
16.2 NE of HEC

ch w

$$172.9 \quad 213.3 \quad - 250 + 78 =$$

93,000 on E W 4 corner
8.8539 E of pump at 1X36" P.P.

$$\begin{array}{r}
 113.95 \\
 \underline{39.70} \\
 153.65 \\
 \underline{33} \\
 120.65
 \end{array}$$

$$\begin{array}{r}
 128.00 \\
 \underline{93.00} \\
 221.00 \\
 \underline{33} \\
 188
 \end{array}$$

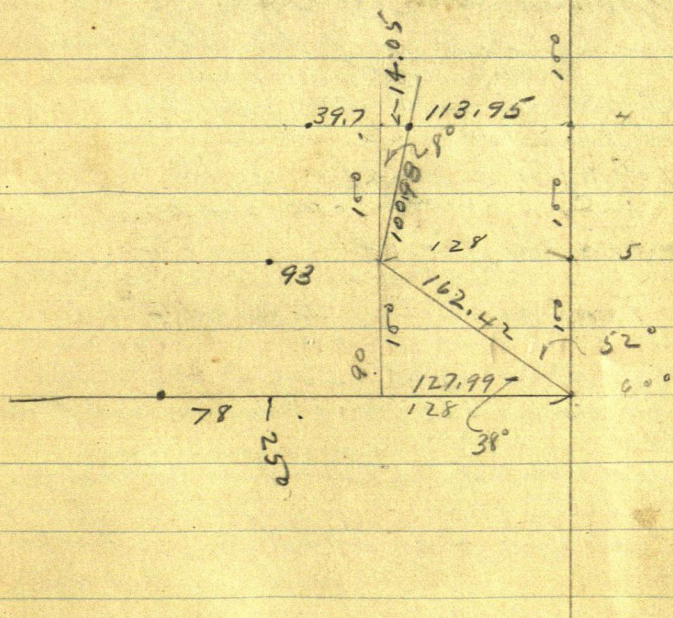
$$\begin{array}{r}
 250. \\
 \underline{78} \\
 328. \\
 \underline{33} \\
 295
 \end{array}$$

9

17

38
52
90

*Alas! This wall may
be sea wall pit 3-1943*



18

D

28-33

139-29

July 11-1927 Monday

Metzroth Clothing Co St Cloud

Minn Owns

Govt

Lots 1 and 2 Sec 33- T139 R29

also
 South 537.4 feet of Govt Lot 3
 Sec 28-T139-R29 on = 81.60 Acres
 East and SE shore of Lake Ada

Cass Co Minn

Mr Nick Everhart tells me to
 call RVK Carpenter at Coter store
 Pine River

Mr Carpenter tells me that he has
 recommended me to Metzroth
 and son to survey their land
 Otto Metzroth and Forest W.

Metzroth his son

Forest W and his wife with
 ERNEST (EC) Carlson + wife are
 camping on the ground

Alma-Reed and I in my Ford
 drive to Lake Ada 3-PM

Forest Metzroth says his dad
 only figured on \$25 for survey and plat
 I tell him \$350. is minimum
 price for all plat \$8 T. 95 in area + cost of
 subdivision etc

we finally agree that I will work
 2 days @ \$15. = \$30. and quit

(2)

July 12-1927 Tues
 Reed - I and ch. Fred L. Jenkins @ 8 am
 Bug eye bait for sculpin at Pine River
 @ 15¢ 10 x 15. Blackmanish & to fit it

On Lake Ada 9-09 am
 Forest Melmoth and Ernest also on help
 Reed and I.

At MC. No 1 - Not See 28-33 139-29
 we find old 2x2x
 set by me checks OK. with new
 NE and SE Bts Page
 this book

Walk East and dig up I M @ Co
27-28-33-34 139-29

See Page

Work on line bet Sec Co and MC.
 West and @ 34.85 E 7 MC. set Hut
 and line out

Reed and Forest in motor boat
 set double. Can Hut and fall
 Birch pocket across lake on
 West side of Lake Ada. Transline
 extended West.

From Hut 34.85 Focus
 East on sec Co and run
 N 103° E

Since 18452

Corr 98283 into 537.4 = 546.79

101.75 x 98283 = 100.00

203.50 x " = 200.00

305.25 x 98283 = 300.00

407.00 x 98283 =

508.75

29 July 12-1927 (P.M.) Metzger

From Hut 34.8 ③ E of me. N
N 10° 38' E
From 60 to 90 sea wall 6 to 10 ft

From 75 to 140 swamp on R

@ 150 sea wall 25 to 28 ft W of
sand 35 W wall 60 W

175 foot of Hull to sea wall 35 W
271 Hut on no bank

280.25 Hut under T

at 250 Brink of Hull 15 W sea wall
L B Fort 45 W wall 60

300 alt 330 foot of hill

395.8 Brink Hut 6 ft from brink
25 ft from wall

425 to 450 Rock Ridge Brink
20 ft W wall

98283 X 546.8 = 537.4

Ht 546.79 set 1 1/4 x 30" pine
stake in sand 25 ft W of wall
T over 546.79 BS S 10° 38' E

and run

East 40.50 set 1 1/2 x 14" pine
Hut on sea wall 10 ft wide

at about 150 E end of swampy land
runs SE and NE 75 ft then leads
East

Ht 546.79 an old 2 x 4 stake
in pile of rock probably set by
monolith set 38.3 ft E and
1 foot south

3.30 P.M. Raining quite
thick herd.
Reel and I with back to

98283.

(4)

537.51

9998

537.40

OK

(21)

98283		375.00
5468		299.94
786264	2	75.060
589698		69.986
393132		507.40
491415		499.90
537.411444	OK 5	75.00

house and get car while

and

walk East

Reed and I drive around

to cor 27-28-33-34 - 139-29

We pick up

and drive to Old Point Comfort

Mrs Carpenter tries to find her sec cor

Raining too hard

we find 2x36" iron pipe in

& v-s wood = 1/16 set for Walker

& run sec cor from

West on 90° Iron 1/16 Cor bear

N 1°08'W

1°08'

line

Cor = 99980 into 537.4 - 537.51

From Cor Run North 1°08' W in line
see line

From sec cor chain

North on line see line but

see 27 and 28 T 139 R 29

300 + 237.51 = 537.51 (537.4

@ 90°) set 2x30 inch pine

July 12-1927

(5)

(22) stake in E-N-S Road
for Tree N.E. Cor of Metz-
roth Land Tree viz
JPBN about $45^{\circ}E$ 27.42 FT
Tam $7^{\circ}S$ " $40^{\circ}E$ 24.38 "

T. flat spot at base
slip raining
start for home in light rain about
5-30 PM.

Reed and I drive around West
side of Lake Ada and look for

M C N = 2 - where US Nails say
NP 20 N 30 W 129 =
NP 15 S 11 W 243 =

Mr A.E. Glenn "Scotch Irish" of
Waterloo Iowa tries to show us
"old stake" set by Mr Loomas
who is now dead and who sold
him the land, 3 acres

I told him "I was Co surveyor
of Cass Co for 15 years" but am not now
Nail: He may want his 3 acres
run out.

Reed and I drive 100 rods West
and look for Cn 1-

28-29-32-33-139-29

where US Nails call for Portland
BTS viz

NP 15 S $9^{\circ}E$ 142 LKs = 93.72 FT

NP 15 N $53^{\circ}W$ 92 " 60.72 "

BP 6 S $16\frac{1}{2}^{\circ}W$ 144 " = 95.04 "

BP 6 N $65^{\circ}E$ 155 " 91.30 "

<u>155</u>	<u>142</u>	<u>92</u>	<u>144</u>
83.0	85.2	55.2	66
830	852	552	864
<u>91.30</u>	<u>93.72</u>	<u>60.72</u>	<u>864</u>
			95.04

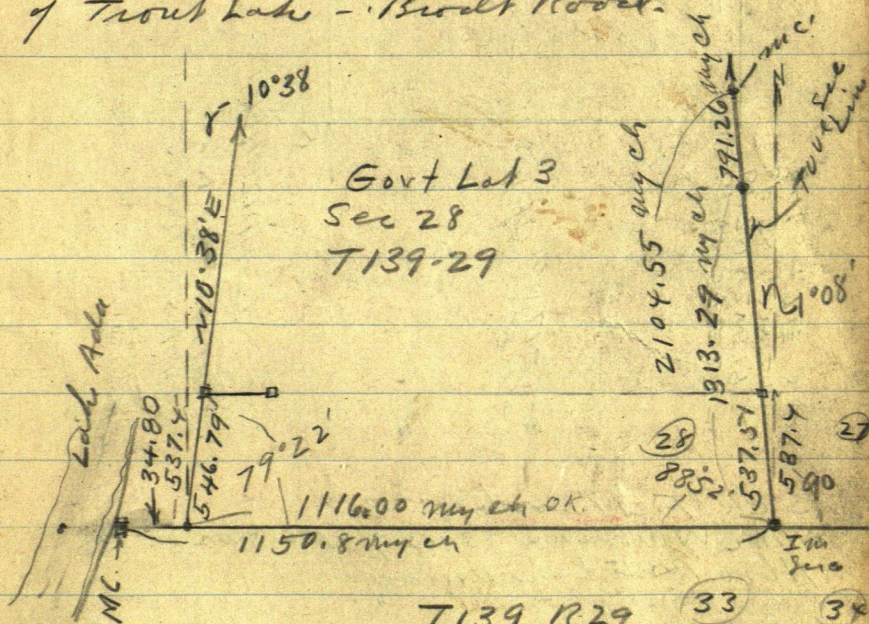
Metzroth Survey⁽⁶⁾ Lake Ada (23)
139-29 - Cass Co Minn

July 12-1927 Continued

28-29-32-33 T139 R29

We find graded road to W and all fence
leading north I cornered this
corner from all US BTS. in survey of
Rosco road.
See my old field book at Ch H. at
Walker Minn

Home at 7-22 get Blue prints
of Trout Lake - Brodt Road.



T139 R29

(33)

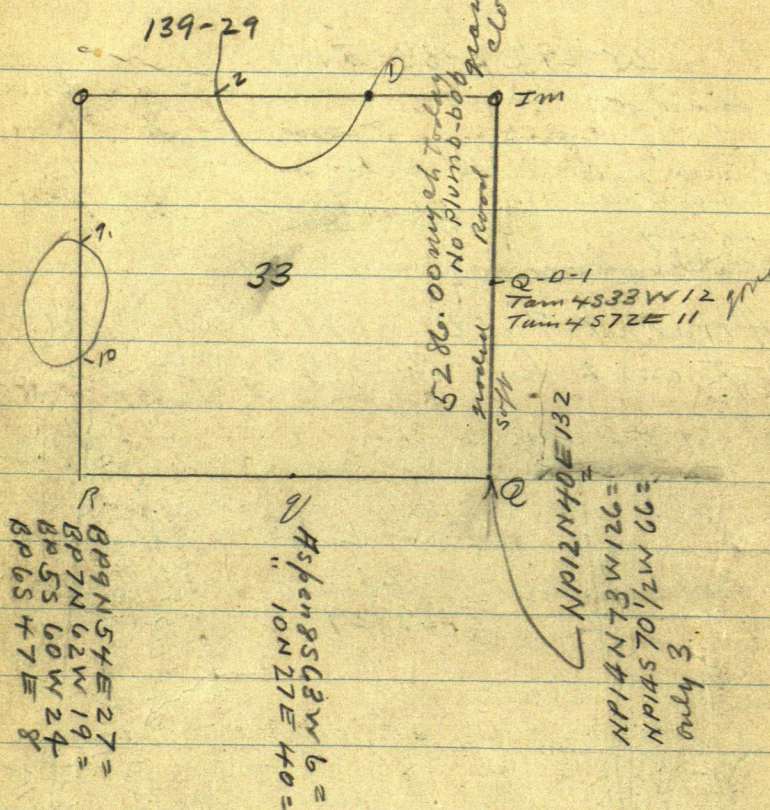
(34)

1150.80
34.80
1116.00
84.60
10.35
79.22

89.60
1.08
88.52

24

7



See Field Book N: 2 ?
Mike Whitacker survey for SEC. 33
Also Ponto Lake Survey

Metzroth
Clothing Co
St Cloud.

(8)

(25)

$\frac{45286.0}{13215}$

July 13-1927 Wed.

Look up notes and Lofgren,
Reed and I and Ford
11 9-10- at Lake Ada 9-40 AM
still wet in Brush

Chain so on graded new road
PB. Ch 8 270 Cur road NE Sec
300-600-900-1200-1320-1500
1800-2100-2400-2640-2700
3000-3300-3600-3900
3960-4200-4500-4800-5100
+ 185.9 = 5285.9 (5286)

IM.

we check in old new B.T.S.
Pg 101-Book 13-

Find IM at Cor 10 sec
3-4-33-34 T 138-139 NR 29W
where we place shot flog then
work T on line on top of hill 20 rods
north and right through the whole
mile set H at 1100 ft and another
H at about 1600 S where we again
set T and at 1321.55 dig 1X16
in pin hole in west wheel track
in N-S road swampy land
and drive home to camp for dinner

26.

(9)

I tell him a survey crew costs \$40.
a day and that it will take 10 days
to get exact corners.

We agree to call off the survey
for the present and that I will
charge him only \$22.50 for the day
and a half in full for now and all

If I can get more help from the
land owners I may be able to make
his survey for \$150 -- maybe less

Rud and I drive home ~~to~~
at noon. and quit

Time sheet

Metzroth Survey Lake Ada

	11	Tue 12	Wed 13	14	25			
July 1927								
@ \$15 a day			1/2		1			
John W. Coro ^{Exp}	17	1	AM		Map			
no pay?			1/2		-			
Reed Coro	17	1	AM					
Auto	\$2	\$2	\$2		-			
Expense	-				-			
Forest W.			1/2		-			
Metzroth (th. Son)	-	1	AM					
Ernest (EC)	-		1/2		-			
Carlson	-	1	AM					

28

(11)

July 25-1927
work on plat-

①

Shadywood
Shores

29

Midwest Holding Co
342-346- Minnesota St
St Paul Minn
Postlewaite-Christian Survey
Lots 4-5-7 Sec 14-139-29
On Hand Lake Porto Lake Twp.

Dec 5-1928 Wed

Home all day in Senhins

Clear off small pines at farm

5-30 PM-

Mr H.B. Postlewaite calls at my house in Senhins and says Ben Christian recommended me to him to survey his land Lots 4-5-7- 14-139-29 on E side of Hand Lake.

I tell him I will be glad to do it and will charge him \$15. a day and expenses and will start

tomorrow

Mr Postlewaite is to go to Walker Cass Lake & back and will try to see me Friday and will also try to get Ben Christian at Staples to come help us.

Note: I receive telegram from Ottawa Mfg Co

dated yesterday saying saw outfit has been shipped with boxes following-

INDEX ON Page-

John H. Cross

30

(2)

14-139-29
Postlewaite

Dec 6-1928 Thursday

all AM in the office looking up
and checking notes of old
surveys in 139-29

Field Book 202 also N^o 25 and
156 Dinner at home

PM.

I and my Ford drive to Ponts
Lake Trip 15 miles or more
stop at Smiths store

Maggie Smith is alone with
Lella Tilberry and cannot board
me or Albert and his mother
are in Iowa. Isabell is leaving

H. B. Kinne comes in and
I go home with him

Mr Kinne owns Gov Lots 1-2
See 16-139-29 from which he has
sold off several lots.

Original plat of lot 1 = 18 lots
75' X 150' - 13 sold @ \$300 each
5 lots left. Elmer B. Horst
platted this as "Kinne Camp"

That part of Gov Lot 2 - 16-139-29
not platted sold without
plating

Mr Kinne owns also

Gov Lot 3 - See 14-139-29 = 31.85
acres on NW Side of Hand
Lake Note: Mr B. B. Bartlett of
Hackensack surveyed Lot 3 for
Mr Kinne "5 or 6" years ago at
which time they were visited
by Clifton Krukow (a kid)

They found old US B.T. stamp at

1/4 Cor bet 14 and 15-139-29
= also US MC N^o 22

(3)

31

Dec 6-1928 Continued

14-139-29

US MC N: 22- =

1/4 Cor Bet 14-15-139-29

US Notes Coll for Post and

WP 24 S $83\frac{1}{2}^{\circ}$ W 135 Lks = 89.10 Ft

Mr Bartlett put in an iron mon
2x48" County mon and gave
Mr Kinne a slab off the old BT.
showing the scribble marks which
Mr Kinne brought home and
which he now shows me.

Supper and over night with
H13 Kinne - 12 miles NE of Pine River

John W. Curo

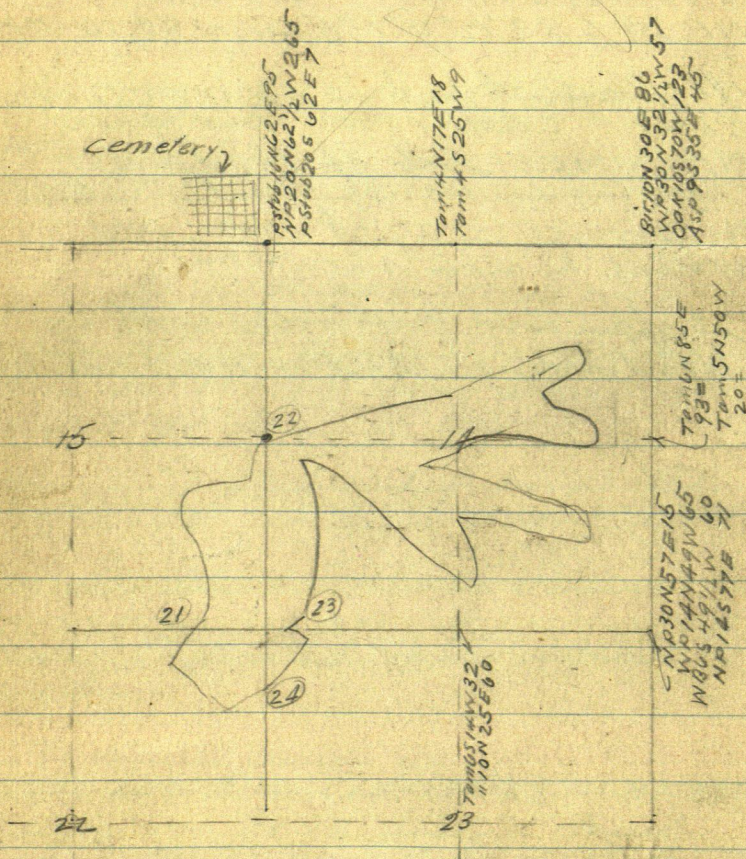
Dec 7-1928 Friday

Kennebunk up @ 6-am. Callam @ 7-

cloudy - 8 inches of snow... more snow in the air

copy

US Notes 139-29



USMC 21-NP16S42W146 and NP16N12E248

" " 22-WP24S83 1/2 W135 and 001 = 89.10

" " 23-BP12S17E9 and NP6N12W36

" " 24-WP12S8W13--

Board Sheet Working For Midwest Holdings Co.

Dec 1928	6	7	8	9	10	11	12	13	14	15	SUN	16	17	18	19	20	21	22	23	24	SUN	25	26	27	28	29	30
----------	---	---	---	---	----	----	----	----	----	----	-----	----	----	----	----	----	----	----	----	----	-----	----	----	----	----	----	----

Boarding With H.B. Kinne @

John W. Curo	DB	SL	0	L	L	L	X	X	L	X	L	X	X	L	L	L	L	L	L	L	L	L	L	L	L	L	X
B.A. Michener	S	-	0	L	L	L	X	L	L	X	X	X	L	L	L	L	L	L	L	L	L	L	L	L	L	L	X
H.B. Postlewaite	S	-	0	L	L	L	X	L	L	X	X	X	L	L	L	L	L	L	L	L	L	L	L	L	L	L	X

Boarding with H.B. Postlewaite

John W. Curo	DB	0	D	DB	DB	DB	X	X	X	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
B. A. Michener	DB	0	D	DB	DB	DB	X	X	X	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
H. B. Kinne	DB	DB	-	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
James Reed Curo	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

DEC 7-1928 Continued

I and my Ford with Kinne drive to Smiths store then East $\frac{1}{2}$ pt near $\frac{1}{4}$ bet 15-22 139-29 L. cor on account of sink hole and walk East. Find $2 \times 48"$ iron pipe must be $\frac{1}{16}$ cor where graded road runs South and West. Then walk 80 rods East to the Island in Hand Lake. Island supposed to be in NE cor sec 22 139-29 Frank Robt's Homestead

about 9:30 AM Frank Robt and his wife formerly a Miss Levey. are still in bed. Frank knows of no US corners and we walk back to cor drive west $\frac{1}{4}$ pt then East to Cor of

10-11-14-15-139.29

at SE cor of cemetery where graded road runs N and W
US Valis call for

Pine Stub 16 N 62° E 95 LKs = 62.70 FT

NP 20 N $62\frac{1}{2}^{\circ}$ W 265 = 174.90 FT

Pine Stub 20 S 62° E 7 = 4.62 FT

Note: I have established this corner from old US BTS. 20 years or so ago

HW Moulster also used it to plat the cemetery and there was a $2 \times 48"$ iron capped. B B Bailett also used it. Four or 5 years ago from which he runs S and East to survey Kinne's Land Lot 3 = fractional SW NW $\frac{1}{4}$ sec 14-139-29

To day we cannot dig for it in frozen ground so we set the point 33 ft S and 33 ft E of SE cor post of cemetery fence and drive a square spike $\frac{1}{2} \times 10$ inch in line with road N and W

Temporary Corner

Kinne and I drive home and cook

dinner = 6 miles drive in AM

H B Postlewal arrives at noon as per schedule - eats no dinner and drives back to Pine River to get Bert Mickner to help us survey.

Time Sheet Working For Midwest Holding Co H.B. Postlewait																								TC		
Dec 1928	6	7	8	9	10	11	12	13	14	15	SUN	17	18	19	20	21	22	SUN	24	25	26	27	28	29	30	31
John W Curo	5H	1	1	0	1	1	1	1	1	1	1	1	1/2 AM	-	?	1	1	0	-	0	1	1	1	1	1	1
Car	10	8	7	0	1	1	1	1	1	1	1	1	1	1	?	-	1	0	-	0	1	-	-	-	-	0
EXPENSE	-	-	-	0	-	-	-	-	-	1/2 20E	-	1/2 3:45	-	-	-	-	-	0	-	0	-	-	-	-	-	0
H.B. Bud Kinne	-	1	1	0	1	1	1	1	1	1	1	1	1/2 AM	-	1	1	1	1	0	1	1	1	1	1	1	0
Bert Michener	-	1/2 PM	1	0	1	1	1	1	1	1	0	1/2 Sick PM	-	1	1	1	1	1	0	1	1	1	1	1	1	1
H.B. Postlewait	-	1	1	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	-	-	-	-	0
Postlewait car	-	1	1	0	-	-	-	-	-	-	0	-	-	-	-	-	-	0	-	0	-	-	-	-	-	0
Michener Car	-	-	1	0	-	-	-	-	1	-	1	1/2 AM	1/2 PM	-	-	-	-	1	0	1	1	1	1	1	1	1
James Reed Curo	-	-	-	0	-	-	-	-	-	1	1	-	-	-	-	-	-	1	0	-	-	-	-	-	-	0
TOTAL	Curo 20 days @ \$15 = \$300												Michener 20 " " 4 \$80										Kinne 19 " " 3 \$67			
												Total = \$427										Total = \$427				
Continued on Page 84 This Book.																										

Continued on Page 84 This Book.

No charge today

36 14-139-29

⑧

Postlewaite
Sunny

Dec 7-1928 continued
PM

Kinne and I grind loads and drive
E to Cam L. Car and from my
Iron spike temp car

10-11-14-15-139-29 run

East over old line cut by Bartlett
300-600-900-1200 1320 slates not
on line at about 1300 on old
slake probably set by Bartlett into
south about 35 feet 32.5

We cut out old line about 60 rods to
swampy lake set pickets west over
lake and at dusk go home where we
find Bert Michener and H.B. Postlewaite
who have but some food supplies
from Pine River Postlewaite brings
me a rubber hose connection for my
Ford. 15¢ paid by me.

Michener helps get supper for all
four of us after which they drive
back to Pine River Kinne and I stay
alone at Kinne's place.

I write notes etc.

My car mileage = 6 miles in am and
2 in PM = 8 miles

Note: Postlewaite has some supplies.
W.H. Young Formerly Reg of City
water works at Mpls?

committed suicide -- owned Gov Lot 2-14-139-29
Chief of Police and Chief of Detectives
at Mpls or St Paul have lots of money own
factories or lumber interests in Bottled
milk containers?

Abe White owns a Gov Lot in 14-139-29

Note: Michener and Postlewaite bring
some supplies and for Supper Mr Kinne
furnishes the potatoes - Tea - Syrup while
"we" furnish the balance of the "grob"
However we will give Kinne credit for the
supper.

John W. Curo

Dec 8-1928 Saturday

Cook slightly delayed breakfast at 8.
Bert Michener and his Ford Coop
arrives @ 9-AM and takes Kinnear and I
East. Lv his cor at Cemetery corner
and we widen out our line and we
continue

East random bet 11-14-139-29

- @ 425 Enter lowland marsh
- @ 600 Lv marsh 975 to 1040 South end of marsh
- @ 1050 to 1075
- @ Sea wall in swamp 25 ft wide

N-S enter main bog

- @ 2344.7 SPIKE on old seawall NE SW

@ 1500 stake 1592.7 Hub under liant

1700 end in Tomorrow Lake NE SW

1800 on ice 70 ft S of N End of lake

1850 to 1950 Lake this 100 ft W

2000 Lv thin ice N 40° W S 40° E

2100 stake in soft bog

2345 Cross ridge - Beaver dam on
old seawall NW-SE 20 ft wide

Nali: good place for a second

2400 stake 2628 cross wire fence

N-S - about 63 ft of old US 1/4

1/4 Cor Bet 11-14-139-29

US water call for

Tan 4 N 17 E 18 = 11.88

" 4 S 25 W 9 = 5.94

We find the old stake and another
old stake set by B.B. Bartlett were
one old BT wired to a line pier
Pass this up till later and continue
East

2700-3000 stake in bog

Quit for dinner later. Bert drives
us in @ 1-PM and Cook drives

John H. Curo

Dec 8-1928 continued
PM

Bert drives us to work continue
East set a line of Hubs across bog
Quit at 4-30 PM

Bert drives home to Pine River
and I drive home to Jenkins
Reed Alvin and I drive to project
and back

Note: Beginning this since last night
and from Friday night - on
we furnish grub for ourselves and
Mr H B Kinne

Kinne will furnish our beds while we
board Kinne in payment for the beds

Sunday Dec 9-1928

All day at home in Jenkins
Bert Michener at Pine River
Alvin to Sunday school

Reed and I set 18 wolf snare's
in Swamp 2 miles NE of Jenkins
8" Snow Bright Sunshine. Snow
thawing "steaming hot" wolf tracks
we carry pistols only

John H Curo

Dec 10-1928 Monday

Reed stays out of school on account
for a cold -- Contracted Saturday mtn.
sliding) Alma Reed and I
drive to Pequet where I sign up
contract and get Bill of Lading for
Ottawa Saw rig shipped from

Li. Jenkins in my Ford @ 11:15 AM
meet Bert Michener in Pine River
where Bert pays for our dinner at
Geo Robideau Restaurant

PM.

I and my Ford 12-30 to Pine River
1-PM arrive at Kinne Res and find
a note from Bud Kinne stating he
has gone to Walker and will return
tonight Michener and I drive to
1/4 Cor Bet 11-14-139-29

From slump of old NE BT. the old
2 1/2 x 2 1/2 x 36 " Tamarack stake
straightend up sets perfect for
course and distance burned from
True line West about 8.30' 0

At 2632.3 E old US BT.	2750.0
Stump - bears S 14° 25' W	67.7
and	2632.3

old 1/4 stake bears
S 15° 23' W 63.6 FT
New BTs

old BT slump N 17° E 11.88 FT
Dead Tarn 3 N about 20° E 13.70
" " 4 S " 45° E 1.45
Tarn slump 4 S " 45° W 10.50

(13)

Postlewat

41

Dec 11-1928 Continued

14-139-29

PM

 $3538.3 + 250 = 3788.3$ stake

3800 enter open swamp NE SW

3980 LV " " NW SE

extends 100 ft N and 300 S.

 $3788.3 + 300 = 4088.3$ stake $4088.3 + 106.2 = 4194.5$ Hub - Nail $4194.5 + 274.5 = 4469.0$ Hub

= 60 ft spits on top of ridge

Cut Line East till dark

Walk West and drive home to camp

Warm and snow thawing

Dec 13-1928 continued

T over 5230.86 E turn 90° R on

South @ 70.60 Hub on ridge

122.64 S set Hub Second Temporary
Cor 11-12-13-14-139-29

70.6 + - 257.7 = 328.3 S

Hub under transit on Ridge E-W

Cut line so to arm of Hand Lake

Transit telescope and set Hub
on hill about 500 ft north

Note: at 11:50 AM. we discover
a big fresh deer track leading E-SE
from a pt 30 ft N of Hub 5230.86

Bert and I follow it a few hundred feet

Find traces of old section running
E-SE to E of Range line where we

We follow deer track only a few
meters and follow section E-SE
also so on range line and old marker
of original vs survey

Back to camp fire @ 2-PM
PM.

Michener checks old stakes west and
goes to camp early to cook up some
grab for us

Kenneth and I stay out and work
later From Hub 5230.86 E Ch

South 328.3 + 300 = 628.3 slope +
269.3 = 897.6 Hub on E-W general level
of land 25 ft above lake 9155 = 50
Bench of the bank NE-SW 960 Feet
1030 enter Ice Hand Lake

11-12-13-14-139-29

We find 30" WP stump Drive Hub in
ground where center of stump
comes and from center of stump in
S 32° 30' E 37.62 + 1.25 = 38.87 Ft

Dec 13-1928 continued

where I drive 2x15 inch hub for

Temporary Corner 11-12-13-14?

10-11-12-13-14-139-29 cum 29/11

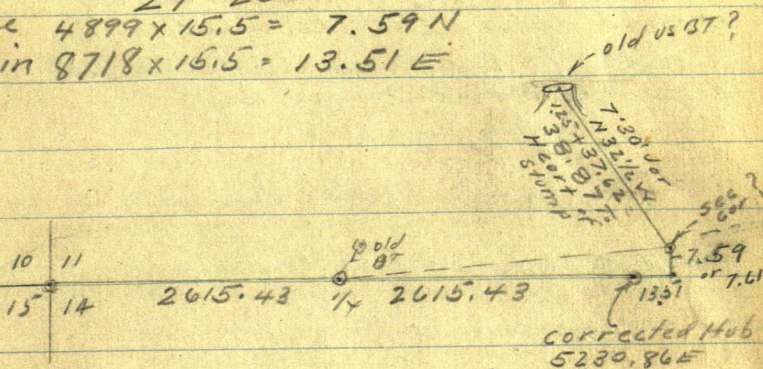
Set with Survey Compass 7:30'

over Hat 122.64 S Temp cor bear
N 60° 40' E 15.5 FT

29° 20'

SIN 4899 x 15.5 = 7.59 N

COSIN 8718 x 16.5 = 13.51 E



Kinne and I walk to my car
and get home late

Michener has supper ready--

After supper I drive Michener to

Albert Smith's store. Smith has not got

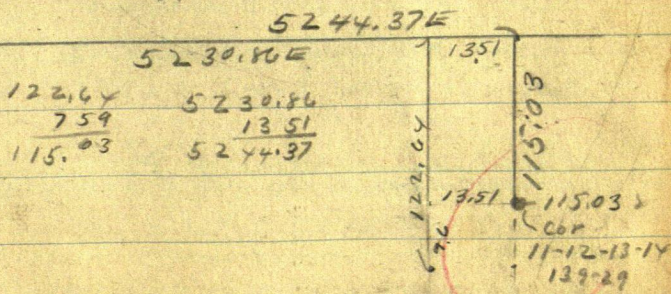
Bromo Quinine - Lemons or other supplies

and as Bert feels burn we drive back

to camp. Then to Pine River where I

leave Michener then drive home to

Jenkins at 9 PM



Dec 14-1928 Friday

Michener and his car takes supplies
and dinner back to Kinne Rex and
cooks up some grub ahead
Kinne does not work.

I spend all day in Senkims
plugging up original survey from US
vals. Write to H.B. Portkewale-
work at office till after dark and
decide to stay in Senkims till
early tomorrow morning

Dec 15-1928 Saturday

Up at 5-a.m. Breakfast at home in Jenkins. 7-a.m. I and my car with Reed Curo L. Jenkins and drive 18 miles to Kinne Res.

Bert stays in to cook dinner

I and my Ford with James Reed Curo (14 years old) and H.B. "Bud" Kinne

Continue line

East but 12-13-139-29 Var still readr 7-30' Gurley Transit double center hubs. 300 foot steel tape x Plumb-bob -- I buy 10" File 20¢ at Theo J. Albrecht "Pontoria Store" P.O. Pine River Minn

Heavy deep fog lifts slightly @ 11-a.m. At 12-05 we walk $1\frac{1}{2}$ miles west from car 33 minutes walk then drive home to camp for dinner 12-45 PM

Grind scythe and both to work Michener has a bad cold and I L. him in camp to Cook. Reed

will take his place on the survey No charge for Reed. Hub $5230.86 + 24.00 + 299.30 =$

5548.16 Hub on Hill probably Highest Pt

$5548.16 + 201.24 = 5809.40$ Nail 0.30 ~

of line in so edge of 15" stump

$5809.40 + 300. = 6109.40$ stake in $\angle$ old

Logging road NE SW + 3. feet = 6112.40

Hub - spike JP 10 N 51° 30' W 33.65 } 75 spot at
Poplar 85 35° 15' W 11.25 } base

Ties, POT

$6200 E = E$ Brink Hi Ridge NE-SW

$6112.40 + 299.6 = 6412. E$ stake at foot of Big Hill -- enter Bottom Land.

Quit at black nite walk West to car

Drive thro Black fog to camp where

Michener has a hot supper waiting.

Heavy-cutting all day crew tired. Raining

at 8-p.m. work late on notes - Reed - Bert and I at Kinne Camp. alone alone at Jenkins

James Curo

Dec 16-1928 Sunday

Note: We have had a South wind--if any ever since we started this survey

Rained last nite till near midnight then turned colder

Reed slept with M. & Kinne

I hardly sleep at all because Bert Michener is sick all nite with a cold

Too sick to get breakfast. Kinne gets Breakfast @ 7 am. Michener eats breakfast and prepares to go to Pine River for over nite

I and my Ford with Reed and Kinne drive East Lv Cor at 8 am Cor and walk East $1\frac{1}{2}$ miles. Continue.

East bet 12-13-139-29

6412 + 88 = 6500 enter swamp in big draw

SW also NE 30 ft then 150 ft E then NE along foot of big hill 6412 + 300 =

6712 Spike in root Hub in swamp

Foot of one hill --- ft L

" " opposite hill --- ft R.

6990 Lv Swamp NE-SW 7012 Stake on side hill over swamp. Narrows of Swamp lies

25 L and 75 L 7012 + 91.4 =

7103.4 Hub on side Hill under Transit

@ 7140 we are 50 ft So of Swamp

7103.4 + 184.6 = 7288. Nail in green 12"

NP stump one inch So of E stump

12- Noon Quit and walk back and drive to camp. at 1-PM. Kinne cooks our dinner

PNT

Wind swings in West colder. Ground freezing. Snow gone except in patches

Ice in lakes not safe yet

Dec 16-1928 continued
PM

Kinne walks to work - sets picket at
1/4 Cor Bet 14-15-139-29

and cuts out Bartlett's compass line
half mile N to the cemetery corner

Reed and I drive a mile south then
E-SE & NE-E and lay to Cocato Cor to

13-14-23-24-139-29

No find. Curbey Siltman and Oscar

Sales do not seem to know where it is

Getting dark - wind howling and flakes

of snow from NW. Turn still colder
Reed and I beat it for Jenkins

Cor shows No charge in ameter and
we drive to Motor Inn Pine River

Ben Schiffer Prop.

Ev. Felton says it needs new brushes

I pay Ev 50¢ and Reed and I find
Bert Michener sick in bed. Bert may

to be my car and take his coop

which Reed and I drive to Jenkins

Reed takes his mother to Peguot
but as there is no church meeting they
return all home at Jenkins.

Dec 17-1928 Monday

up at 5-30. I put 4 gals gas in Michener's car drives Reed to school then to P.R. get my coat & mail at Schiffer's garage and drive to Ponts Lake

Eat another breakfast at Kinne's
I bet ²⁶⁰⁰ ^{meat} ²⁵
Kinne and I put up our lunch ready to work East

Michener's car will not start
Ground cable on battery is broke
Kinne and I drive to Schiffer's Garage at Pine River where EV Felton puts in new cable for which I pay him .75

Kinne and I drive to Michener's rooms where we eat our lunch
Michener is better but not safe to go out in the cold - Kinne buys Hamburgs 20¢
We drive to Ponts replenish our fire and drive East and to Michener's car at Cam Wash 1 1/2 miles East and continue

East bet 12-13-139-29

7288 Nail Hub in green 12" x 14" stump

7310 to 7415 cut off 50 point of same Swamp
Ex 1000 30 ft so 7415 Foot of big hill

7288 + 204.6 = 7492.6 stk on side hill

7492.6 + 161.2 = 7653.8 Hub on Top

Hub = 1 1/2 x 14" Oak Hub

7653.8 + 223.8 = 7877.6 Stake

Cut line still East and quit in the dark. use flashlight to get back to car and drive home late. bath cook over our supper and wash dishes
Kinne and I alone in camp

Dec 18-1928 Tuesday

Kinne up at 5-30 COOKS breakfast and
wt L^v in Michener's coop and cut line
East cut 12-13-139-29 To Hay Lake

Pack outfit West & over Hub 897.65

I line Kinne in for a line of pencils

South on ice cut 13-14-139-29
Set flag on so side of arm of Hand Lake
Heavy Snow. Squaller hard to see
We walk on 3 inches of ice, out on
shore of Hand Lake then 1/2 mile NW
to car and drive to camp at 1-PM

Kinne cooks while I write
Not too cold NW wind ground almost
bare PM

No work I drive in Drop Kinne
off @ forks of Backus P.R. Road
He & Walker 2 1/2 miles west to see a
friend & drive in to Pine River
See Bert Michener - still sick
at his home I L^v his Luggage Key
and L^v his car with Schiffer & Motor
Im. Pay them ck \$365 for fixing my
car which I take and drive home to
Jenkins for over mile no word from
Postlewaite.

Dec 19-1928 Wed.

Stay all day in Jenkins. Call at First
Natl and Farmers State Bank at Pequot

Kinne home all day
PM

Bert Michener and his car takes
food supplies and drives to Kinne Res
at Pontoria where he stays and cooks
up some grub

Dec 20 - 1928 Thursday

Kinne Lvs early and Culi line

South Bet 13-14-139-29

Michener follows later and they work till the moon comes up.

Bath walk as it is too cold to start But's Car.

I stay all day in Jenkins and @ 4-30 PM. I drive my car to Pontoria stay at Kinne camp and at dark drive East and SE to get Michener and Kinne but miss them as they took a trail thru the woods for home and all arrive at camp at the same minute.

Nali: Bill Stone eats dinner with I and my wife at Jenkins.
No word from PostHewali.

Nali: At 8 PM it is 20° below Zero.

Dec 21-1928 Friday

22° below at - 6-30 AM

20° " " 7-

Bright sunlight Kinne and
Zaske start washing 1: Tel mulling
at Bocher at 10-20

Bert and I heat water to start car
Wales

Use "Musk of the Musk OK" on Pan of
trap for Wolf-Wild Cat-Link

Oil of Cedar and Oil of Anise
mixed on Pan of trap for
Mink-Otter-Martin-Weasel

US Notes For
139-29

M.C.N°

16-aspen 6N40E71=

JP12N1W69 =

(17) Post

18 Tam 4S68½W170

NP10N9¼W43

19-aspen 6N69E25

" 6S 2E40

20-J.P14S43E24

SPRUCE 5S44W21

21- NP16S42W146

NP16N1E 248

(22) WP24S83½W135=

23-BP12S17E9

NP6N12W36

24-12S8W13

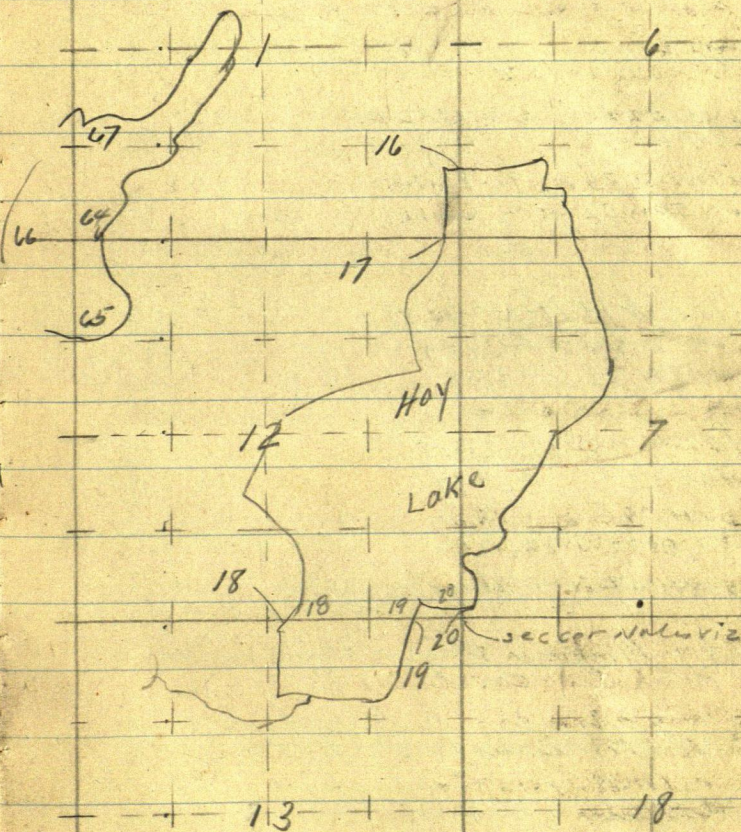
(25) NP14N11¼W135

BP16N22½E—

Plot on Pg 32-55

139-29

139-28



56

28

Dec 21-1928 continued

We take Michener's car and drive to
Hog Lake - L. Cor and walk to Island in
SE 1/4 Sec 13-139-29 turn for and vs Marks
Find Cabin

Look for MCN^o 19 and 20 Find old ~~4x4x40~~ 511
Nat scribed - sets on the ridge about 100 ft
so of probable seawall. Try locate C - in

Range Line Secs 7-12-13-18-139-28-29
US Notes call for "I" 139-29

Aspen 12N32E27 = 17.82 Ft

Tam 10S69E44 = 29.04 "

White Willow 6S35W39 = 25.74 "

Tam 11N50W32 = 21.12

also
K =

1/4 Bet 13-18-139-28-29

Tam 4S75E24 = 15.84

" 4N79W28 = 18.48

K. also

13-18-19-24-139-28-29

WB8N14E14 = 9.24

SPF9S56E29 = 19.14

Soft Maple 8S30W28 = 18.84

WP20N53W32 = 21.12

Back late: Michener stays at Kinne Res
I take Michener's car drive to Jenkins
Pat in 4 gals gas - go to School play
Christmas Eve Alma Reed & I

Kinne returns from Backus about 6-pm
Reed and Michener - at Kinne Res

Reed and I in Michener's car L. Jenkins
after School Play L. Alma alone and
12-Midnight: L. Jenkins and drive to
Kinne Res at past midnight Reed stays
with Kinne & I sleep with Michener

Dec 22-1928 Sat

Reed and I in my Ford. Micken and his
car with Krime (Two cars) drive to
pt near cor13-14-23-24-139-29
walk north and Town Hut 8976 continue

South bet 13-14-139-29

8976-102.4 = 1000 Hub. Spikes

(975 foot of hill) 1030 enter in Hand Lt

1100-1200-1300-1600 So. Spikes on in
1750 L_v in enter bog

Hiland 300 ft R.

1900 S Spikes Hiland 300 R

2200 Stake " " 350 "

2500 " " " 150 "

2800 " " " 125 "

3100 " in Cranberry bog

3400 " Stake on line = Hub

W Side old Logging road NW SE

3700-4000 Stake in Cranberry bog

4010 L_v Bog4010 T. 4040 solid pt from East
runs 10 ft W

4200 ? pt 20 ft wide extends E 20 ft

4300 in bog - 4600 same

4650 L_v Bog NE NW

4693.7 Spikes Hub

4630 To 4900 = Extends E 10 ft

4693.7 solid pt runs NW 125 ft

4900 Stake L_v bog + 137.5 =

5037.5 Spikes Hub (5270 T. 5330 SWK Run SE 75 ft)

5337.5 Stake - Set Hub (2) further
to E-W-RoadReed and Krime in my car
Reed and I in coop drive home to
Krime Res

Dec 22-1928 continued

Reed and I in my car full for
Jenkins without supper

Nate's Michener also drives in to
Pine River and I ride with him to fork
of P-R & Jenkins road

Michener stays over night at his home
in Pine River

Dec 23-1928 Sunday

Nichols and his car. takes some
supplies and drives back to Knine
Camp

Then with Knine drives to cemetery
and cuts line

South bet 14-15-139-29
on surveyor B.B. Baileys old compass
line

Reed and I at Jenkins

58 60

32

D Dec 24-1928 Monday

Jen Michener and Kinnel cut line

East Bet 15-22-139-29 To

Pri Hand Lake - heavy brush also find
 9 New BTS To M.C. on E side of Hand
 Lake probably 10 years old or?
 Too far south?

PM

Michener and Kinnel drive Band
 cut line

North bet 11-12-139-29

Bert drives to Pine River
 eats supper there and drives to
 Jenkins & Co.

I give Bert \$5 cash

Kinnel comes to Pine River
 with Michener and catches a
 new horn. back to Pontiac

try 5295

5180.87

9239

5273.26

1151.03

5388.29 mix

Shadywood Shores Gort. hole 4 ft
 sect - 1H

Otto B. Griffin

Pine River, Minn

33 Postlewaite

61

Dec 25-1928 Tuesday
Christmas Day

one worker

Alma and Reed are both sick
but we all go to Frank
Bryants for dinner and supper

Michigan all day and over night
at Pine River

Kinnis at Portage Lake

Figuring Jan 24-1929

Random

90

115.03

5225.58 - 2663.85 = 2558.73

small amount @ 90

$1.3\frac{1}{2}\%$

cash 2648.73

14

Random

Random

call this 15.4? Roughly?
For plotting

5225.58

5180.87 figured?

5223.26 7202.41

5295.90

92.32

Dec 26-1928 Wed

I and my car L. Lenkins @
6-AM. Alma and Reed bath
sick ahead-

Drive to Pontoria where Kinn
is in bed - He just got in
from Portage and only got
an hour sleep

Michener arrives from
Pine River a few minutes later
He got his breakfast at
Pine River

Kinn and I cook pancakes
for breakfast

We all drive in Michener's
car to C.R.
14-15-22-23-139-29

MC N: 21 - W Side Hand Lake bet
sect 15-22-139-29

US Nalis call for

NP 16S 42W 146 = 96.36

NP 16N 1°E 248 = 163.68

We find the slump of North line very
plainly marked B.T. also the slump
of SW line dimly marked from which
we set the corner by flat chain from
face of BT marker after which a d.
slump or stand 1/2

N 1°E 163.68 - and S 43°W 96.36

No. Variation - MC. Sect 10 1/2 - west of
edge of snow wall & water

Dec 26-1928 Contd

We walk East and find a phoney MC on E side. Too far so. Then drive E

Talk with Arthur Benmiller

Curbey Siltman -- Oscar Sales and they know nothing about corner on sec 14-139-29

Best and I look for 1/2 so in
Drive to Kinn camp for dinner
PM

Drive E to cemetery and with Tom line 120 rods in cut out more beer and champagne

SOUTH SET 14-15-139-29

216 Fossil E-W 60' filled 300-600 slabs

890 Crooked road NE-SW 900-1200

1320 Hat Spike

1332 about Iron pipe set E 5 ft about
= 1/16 set by Backlett for Kinn

1427 same road NW-SE 1500

1800 - slab 2100 Hat Spike

2252.2 Hat - 2317.5 Hat spike

2400 slabs - + 181.3 = 2581.3 spikes Hat

on seawall 2617 foot of hill

enter low land -

2630 second sea wall very low

2635 enter bog NE-SW

2700 slab in bog

Later to camp.

After supper Michener and his Ford Corp. drives me to Jenkins to see how Alma and Reed are coming

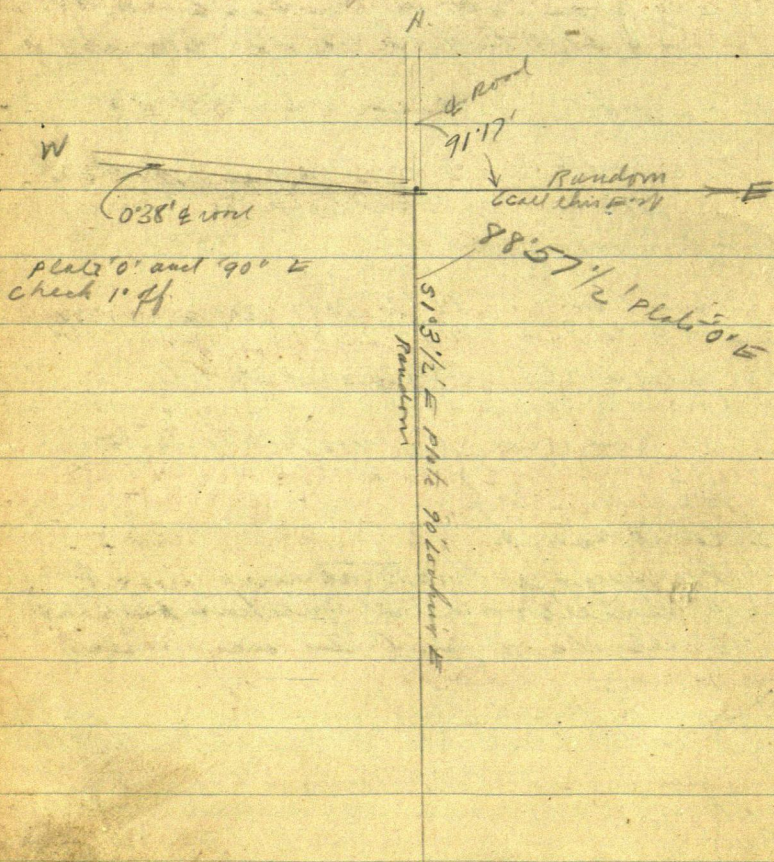
I soak Reed feet and put him to bed with a couple of Bromo Quinine after which I tell Glen Benson to look after them in the morning. Then Best and I drive back to Porto at 9:30

John W. C.

64

36

Dec 27-1928 Thursday

Mickener and his car with Knins
and I drive E
over Cor. to Seas10-11-14-15-139-29Focus East on random $1\frac{1}{2}$ miles on
flag on hillSling Telescope S on random line
SE angle records $88'57\frac{1}{2}"$ use plate '0' East

Dec 27-1928 Continued

37 Portleuaili

65

10-11-14-15-139-29

= $1/2 \times 1/2 \times 10$ " I m Tris 0 1/2

NP 17N $24^{\circ} 20' E$

NP 18N $57^{\circ} 20' W$

} using random point
as meridian

To start at base continue

South Bet 14-15-139-29

π over Hut 2581.3 S

Bartlett's $1/4 \times$ I m bears

S $9^{\circ} 15' E$ 84.00 Feet

= 2X48" Galvanized Iron Mon

capped set 5 years or so ago by
B.B. Bartlett of Hackensack Minn
working for H.B. Kimmel in survey of

Gov Lot

Sec 14-139-29

From Hut 2581.3 a post set at
face of old B.T. stump - set by
Bartlett bears

S $43^{\circ} 40' W$ 110 Feet using my
random as a meridian for
this temporary service

$1/4$ Bet 14-15-139-29 =

= also US Meander Corner N^o 22

US Notes call for:

WP 24 S $83 1/2^{\circ} W$ 135 Lks = 89.10 Feet.

We find the old stump used
by Bartlett and it checks perfect
89.10 Feet but I may check
his course -- later

66

28

Dec 27-1928 continued
PM

continues

South bet 14-15-139-292710 old fence E-W 2700 + 281.9 = 2981.95
spike on ice

2860 entire ice NE-SW

3000-3300-3600-3900 Slab on ice

3960 Hub spike in ice 3900 + 219.3 =

4119.3 Hub spike in ice 4200-4500

4800-5100 Slab on ice 5280 Hub

spike in ice 5400 S Slab on ice

T over 5280 S BS N 89°50' W 1023.4 ft
to flag @ US MC. N° 21. using random
as meridianT still over 5280 S Focus N on
2581.3 Turn 90° W and set picket
2.85 ft so of MC 21.T still over 5280 S Focus with vernier
Set N 1°34' W at flag @ 2581.3 swing Telescope
West and set flag 15.90 N of MC 21 @ 1023.4 W
From 5280 S continue S 1°34' E 15.90
and set spike on line random

5295.9 spike on ice where I set T

Focus West on Flag @ MC 21 and Run

East bet 14-23-139-29 parallel
with random on re side of sur 14@ 45.10 Set 60° spike and red patch
on seawall 4 ft E of waterQuit at dark after supper Bert & Louis
me to Jeremiah and back where I wrote
Postcards to come up Saturday PM or Sunday
aboard and Reed some better Glen & Ben
got wood for them today. ok 35 ft. Bert
Back 89. PM.

67

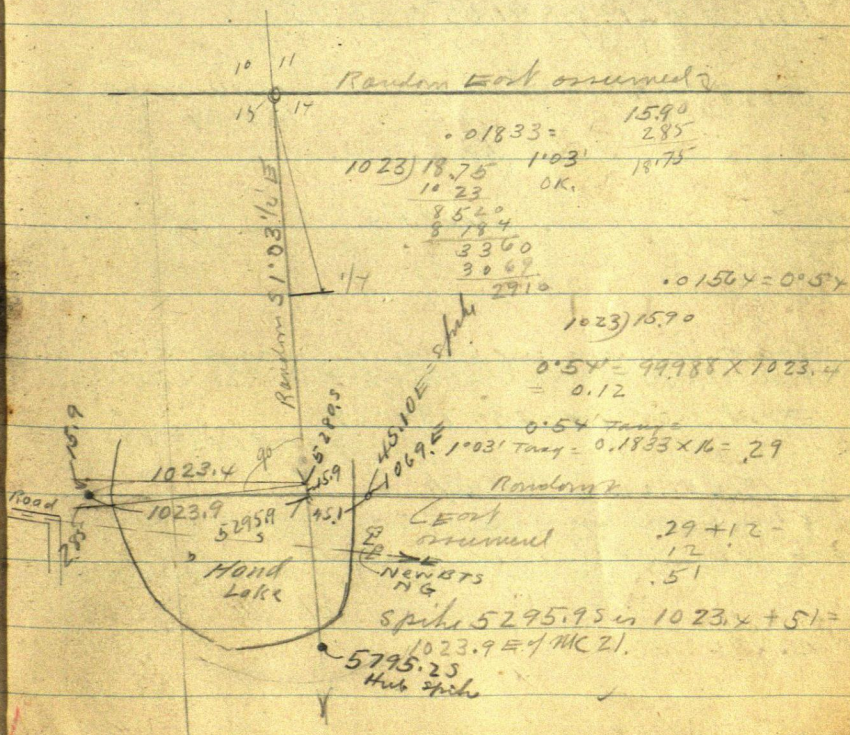
Dec 28-1928, Monday
Fine, cloudy weather not cold, but
some colder. Beib and his car takes
Kenne and I to Cor

Kinné cuts line E

South bet 22-23-139-29

5440 Sth on Ice 5440 S 16" HD Biological and
on line with road west of the lake sets
E 70. lf. This is the South New B.T.
marked probably 10 years ago. H.G.

5700.5 - in wet + 90 = 5790 L. in N.E.S.W.
5795.2 Hub on seaward = 20 ft spike



68

40

Dec 28-1928 could

Figuring Spikornier under Lament 5275.95
is $1023.4 + 51 = 1023.9$ Ent of MC N-21

From which we conclude

East bet 14-23-139-29

$1023.9 + 45.1 = 1069$ Spikorn seawall 4 ft 1
water all drive home to drive
PM

East on random bet 14-23

Kinne Cots line - Michener and I drive 10-er

13-14-23-24-139-29 ch

Reg@ Hut 5337.5 S chain

South Bet 13-14-139-29

$5337.50 + 122.60 = 5460.1$ So

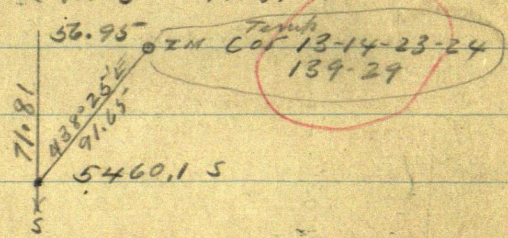
X over 5460.1 S IM bears

N $38^{\circ}25'E$ 91.65

Sine = $62138 \times 91.65 = 56.95 E$

Cosine = $78851 \times 91.65 = 71.81 N$

5388.29 S



Bert drives me back to camp @ 4 PM
Then drives back to help Kinne cut in

East bet 14-23-139-29

See P 945th and
p 70

I Figure in camp

They come in late Cook and go to bed
I figure till very late

35.23	35.23	56.95
<u>56.95</u>	<u>13.51</u>	<u>13.51</u>
292.18	248.74	270.46
<u>46.09</u>	<u>24.37</u>	<u>35.23</u>

(41)

10	11	5230.80	
15	14	2615.43	61.32
		139-29	115.035

crook 3.8.50

Correction E Bdry 14

1433.345 gas E 24.37

2751.665 gas E 35.23 (14)

4069.975 Gas E 46.09

(5388.295 Gas E 56.95) 5388.295

56.95
13.51
43.44

5273.26 mls 43.44 = .008238
= 0.28 1/2'

139-29

10	11	5244.37	
15	14	2615.43	61.32

3.8 crooks

2615.43 mls 61.32 = .02345 = 1° 20 1/2'

5244.37 " 115.03 = .02194 = 1° 15 1/3'

5244.37
2615.43
115.03

Truck line

(13)

13-14
23-24
139-29

5273.26
1351
43.44

500 cor

70

Dec 28-1928 cont'd

(42)

2581.3

1.005

82.9

2664.2

2664.2

13,5000

13 3210

1° 03 1/2'

179°

0° 17 1/2'

1° 21'

1° 21'

Sine .02356 X 2664.2 = 62.76 W

Cosine 999.72 X 2664.2 = 2663.45 S

(15)

2581.3

(14)

2751.66

2663.45

88.21

5230.86

+ 35.23

5266.09

- 62.76

= 5203.33

1.01695 W = 0° 58 1/2'

5303.33 / 88.21

2664.25

13.5 1/2'

62.76

88° 44' 30"

+ 00° 08' 30"

88° 53' 00"

00° 08' 30"

89° 01' 30"

9° 15'

Sine .16074 X 84

Cosine .98700 X 84 = 82.90 S

Correction

W Side NW 1/4 - 14-139-29

2664.25 goes E 13.50 = 1/4

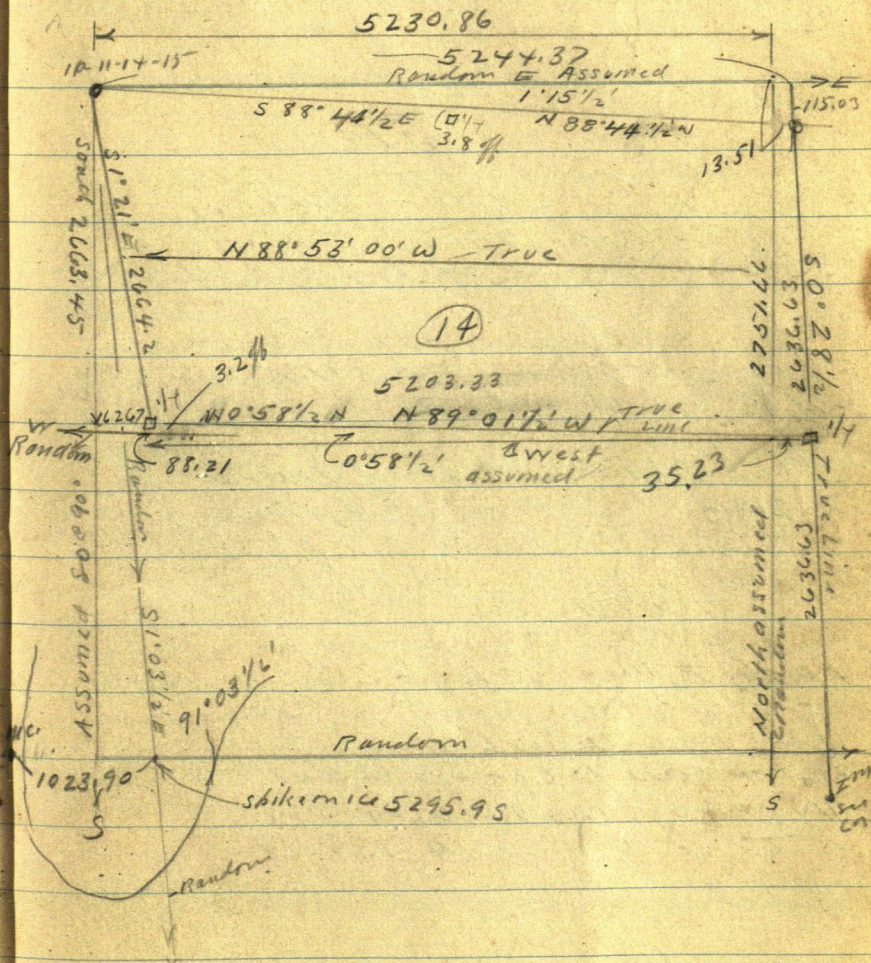
1332.15 " " 6.75 = 1/4 Cor

(43) Postlewaite

71

Dec 28-1928 cont'd

139-29



72

(44)

Dec 29-1928 Sat

But Michener and his Ford Corp
 Drives I and Kirins E and SE across
 Hand Lake - On ice I and But walk
 $\frac{3}{4}$ mile so - get lantern and walk
 back to

 $\frac{1}{4}$ Cor bet 14-13-139-29Work π on line and from stake 2800 S

Chain North 48.34 to 2751.66 S

Turn spike 2751.66 S Turn 90° E to
 35.23 ft and set spike for line $\frac{1}{4}$

Then still using random or N-S-
 I focus north on Hat 897.6. Turn
 N $89^\circ 01\frac{1}{2}'$ W and run

West 0.60 of foot so of line E-W &
 @ 218.3 ft W set spike. Then
^{281.3} Transit telescope and find our
 line cuts 0.60 of a foot so of
 True $\frac{1}{4}$ Cor.

Pack π West to Hat 218.3 which I
 set North 0.60 of foot as correction
 Hat over which I set π
 BS on line $\frac{1}{4}$ Cor spike and continue
 West on what should be

True & Sec 14-139-29

Cut more line and drive to dinner
 But coach.

PM

Drive back and continue

West on & Sec 14-139-29127 Lu Swamp (chain from $\frac{1}{4}$ Cor)

N-S. Foot of hill

^{281.3} 218.3 Hat on top

581.3 518.3 - 70.00 = 511.3 stake on line

575 to 700 W N. end of Swamp

excludes 50 ft

Dec 29-1928 continued

Continue West on Q see 14-139-29

Random line 811.3 slabs + 8.1 =

819.4 word hub - 1119.4 slabs in

Q of 2 Rod Swamp NE-SW + 115.2 =

1234.6 Hub - ~~spike~~ word

on seawall 6 ft from brink and
water. Shot line runs N 68° E 100 ft
then north also S 68° W 50 ft then SW

Flag at 1/4 cor 3/4 of a mile west
appears to be about 4.1 ft ^{3.20.0K} north of
our line

Nicherson and in his car drives
3/4 mile west and attempts to
set double center points so of
1/4 on W side of 14-139-29

Kinne on ice 80 rods W of X
fails to land on any hi balls so
Nicherson drives back and we
continue

West on Q 14-on ice

1234.6 + 165.4 = 1400 slabs in ice

1700 - 2000 - 2300 - 2600 - slabs on

ice + 50 = 2650 W Hub spike in ice

X over 2650 W Turn 90° from

random and run South

rough line to try to find roughly
where other 1/16 lines will hit Lk.

118.31 slabs on ice I lay at X Kinne

+ Nicherson chain 4 chains S

and @ 1318.31 set Hub spike in ice

Too dark to see more and we
drive to Kinne Res where

Nicherson pulls out for Paris River

and 5 minutes later I start for

home at Jenkins 7 + 5 = 12 gals

gas + 1 gal oil at Salis Sta. call PR.

@ 7-30 Portlewater not arrived

Dec 29-1928 continued

As I am expecting HB Pullwate
up for Sunday we all worked late
to get the lines so he can show
his prospective buyers where the
liner will hit Hand Lake

find a letter at Senkman PO
from Harold -- see his address
on page 100 of this book.

Nate. Alma is partly sick
taking care of Reed who has been
in bed for the past few days -

Dec 30-1928 Sunday

Reed still in bed. Almq
still on his feet. I & Johnson in
my Ford @ 8-25 at Kinross
18 miles @ 9-15 Bert Michener
buys some supplies in Pine River
and arrives a few minutes ahead
of me. Kinross stays in

Bert and his car and I
go in a light snow storm
which began at 7 this
morning.

We drive on ice in Hannel
Lake to Transit in center of
see 14-139-29 Hunt R.
80 rods or so set upon spike in
ice near center of SE $\frac{1}{4}$ of
see 14 and run about 600 ft
E and nail red flag to the
on shore to mark about
the point where $\frac{1}{16}$ line are
come thro from the East.

Forier on site 2650
Transit telescope south then
turn 2° L and nail red
flag on 8" Birch tree on
shore about 200 ft up where
the $\frac{1}{4}$ corner is set of 14
we come in the small
swamp.

Then drive to Hub 1000 S
of NEC 14-139-29 where we
build a fire.

X our 1000 to see Page 57 For
 spike 1300 S then S 133.34 to 1433.34
 see page 69-71 spike in the
 Tower 1433.34 S then on road
 turn 90 East 24.37 set
 1 1/2 x 40 inch Birch picket with
 Red flag at top set in ice on
 Hand Lake for line

N ~~E~~ ~~S~~ 1/16 Cor bet 13-14

X still over 1433.34 S
 Focus N 88° 53' W set flag
 and chain W on ice

300-600-900 - Small pins
 on ice drive down with
 Bead P.M.

Bert and I in his car come
 back and continue

West on N 1/16 line

See 14-139-29

1150.20 at NE-SW

1200 Stake in bog

1285 to swamp 1310 set

Hat in low solid land.

X Transit Telescope and
 sight S 88° 53' E height 0.45 of
 about 20 of ~~at~~ N 1/16 bet 13-14

Then set Hat 1310 North 0.45
 to pt on line to Temporary
1/16 in center of NE 1/4
 see 14-139-29

Dec 30-1928 cont'd (49)

77

Town Temp $1/16$ foun

S $88^{\circ}53'E$ on red flag @ Tule
N $1/16$ bet 13-14-139-24 and run

South - S $0^{\circ}28\frac{1}{2}'E$ parallel
to E of body of rec 14 -

@ 185-44 swamp low land

75 ft west of water edge

185 to 300. saliel pt of

land from the west

run NE to water

@ 300 - culm Hand Lake

west and NE

No pay for today

Bert and I drive back to Kinne res
where I get my car and drive home to
Jenkins. Bert goes home to Peice
River

I on home at dark

No pay for to-day

Dec 31-1928 Monday

at Jenkins

John W. Cune

Jan 1-1929 New Years Day Tues
all day at home in Jenkins-
Michener at Pine River
Reed and I monkey with our
new Ottawa saw rig

Jan 2-1929 Wed

all day in Jenkins
Reed and I saw wood

Jan 3-1929 Thurs

all day in Jenkins-

Jan 4-1929

Bert Michener and his car
brings HB Portlewails to see me
at Jenkins they arrive @ 9:30 AM

I promise to meet them at
Kinne's

Reed and I follow them a
few minutes later and find
Portlewails and Michener with
the four prospective purchasers
at Kinne's

Then with three cars drive to
and all over Hand Lake on
the ice

Prospective buyers are

Suburban Investment Co St Paul
512 Midland Trust Bldg
Saint Paul Minn

Emil Fiesel "Boss"

W.H. Rippberger Sales Manager

" Salesman

Geo Lovelace Probably another
Salesman

We begin @ red flag at 20 rods

Gov Lot 5 See 14-139-29 and

Page 17 pages northwly Following
shore line in approximately 50 ft
strip to NE cor Lot 4

Find 93 Lots - I think

Then in Lot 7 They say 33

= about 130 lots in all 50 ft

all drive back to Kinne's

where Portlewails gives me a
check \$150. on account

I give HB Kinne's my ck \$57.
Est well sh & request in full

Jan 4 - 1929 continued
 Postlewait has already given
 Michener a check for \$75.

3 P.M. - Postlewait rides back to
 St Paul with Fiesel party and
 their Buick Car

I in my Ford start for home
 Reed rides with Michener and
 his Ford Coop

My kind of a breaker and I
 ride in to Pine River with
 Reed and Michener get my ch
 coxed at Farmers State Bk
 at Pine River

Bon Skipper at Maloti Inn Pine
 River sends his man to
 haul me in to Pine River with
 his Dodge Car. I go with him
 while Reed stays with Michener
 in town.

We skid in my Ford to the
 grove to be fixed

Michener gives Reed and I his
 car to go home in

Reed gets Mattie Cucco to
 eat supper with Alma Reed
 Floyd Newman & Glen Benson
 take Alma to Prayer meeting of
 L. Co. at Alson's Garage of
 Jenkins. Stomping

I pay Komper \$5.

Jan 5-1929 Sat

Pay Alon 50¢ storage Reed
 stays home Alon + I drive to
 Piquet where I deposit \$75 at
 First Natl Bank and get my

Heller + Brightly Liannit.

Telephone wait Murphy and
 Bill Monester at Beaming
 but they have no studios now.
 I buy lumber 1x3-10 Cedar
 strip 10 smoke and 50¢

I Lv Cedar strip with Wattons
 to be painted white and will mark
 numbers on it later

also send \$1.55 to Chicago
 Steel Tape Co for a ribbon

PM

Reed and I with 2 Trautts
 drive to Pine River where I pay
 E. V. Fulton \$24.71 in full for
 repairs and take my Ford
 and drive to Kinnel's

Reed rides out with Muehman
 and we find Kinnel gone

But cook supper

Kinnel comes later we all
 stay over night with Kinnel

Alon calls from Jenkins @ 7 PM
 12' below zero

John W. Curo

Jan 6-1929 Sunday

16° below at 7-AM 18° below @ 8 AM

Reed and Kinne stay by the stove

Michener and I walk to work

Look over shack on a shore of Hand Lake and decide to fix it up for our camp

Walk south on ice across Hand Lk 10 E-W Co road then angle NE over ridges to look up our new road for the Plat

Hit SE arm of lake and face home cold wind back to camp

Dinner at Kinne camp

Work 2 hours starting car Reed pulls Michener's car to start it

Bath cars pull out for home cold and drifting Reed rides with Michener as far as forks of Pine River road

Then with me to Jenkins

4 PM at Jenkins nearly frozen find Glen Benson who has been at my house since Sunday school and who took dinner here.

Still cold as hell

Jan 7-1929 Monday

32° below zero

@ 7 AM

1-PM 20° below

Too cold to work. Probably 20 below Michener at Pine Praes Reed starts again to school. walks

PM

Reed tries to go skating but has no skates - goes anyway - walks off at 6-30 PM

7 PM 12° below

Note: 1 PM. Michener goes to his room & gets mattress bedding & dishes

Jan 8-1929 Tuesday 139-29

10 am 10° above zero
Mickinun buys a heater - window - lumber
and a lot of lunch which he hovers out with
a trailer and fixes up the old shack on
N shore of Hand Lake dinner at camp

I partly finish my stadia rod and
drive to camp near Mickinun on the
way to Pine River & back.

Work on lake shore
Ponto Lake store keeper delivers a
cord of dry P. Pine and sawed into
16 inch lengths.

Our first night at our
New camp

We only charge for 1/2 day each

Evening: Figure Corrections

East Body Sec 14-139-29
See Page 69-70-71 This Book

$$= .008238 + 13.51 E$$

East for each foot south

See Pgs 43-44-51-53-57-68-71

Hub 70.605 = 44.48 N

" 715.033 = 0.005 and 900 E 13.51

To NE Cor Sec 14-139-29

$$122.645 - 157.61 S \text{ Goes } E 0.07 + 13.51 = 13.58$$

$$328.305 = 213.275 \text{ " } E 1.75 + 13.51 = 15.26 E$$

$$897.605 = 782.575 \text{ " } E 6.45 + 13.51 = 19.96 E$$

$$1000.005 = 884.975 \text{ " } E 7.29 + 13.51 = 20.80 E$$

$$1433.345 = 1318.315 \text{ " } E 10.86 + 13.51 = 24.37 E$$

= Red Flag on ice

N 1/4 Bet 13-14-139-29

$$Hub 190.5 = 1784.975 \text{ Goes } E 14.70 + 13.51 = 28.21 E$$

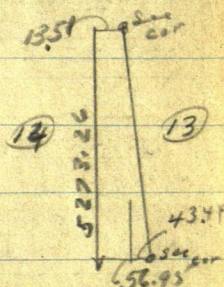
$$2200 = 2084.97 \text{ " } E 17.18 + 13.51 = 30.69 E$$

$$2500 = 2384.97 \text{ " } E 19.65 + 13.51 = 33.16$$

$$2751.66 = 2636.63 \text{ " } E 21.72 + 13.51 = 35.23 E$$

Spike in Swamp

1/4 Cor Bet 13-14-139-29



$$\begin{array}{r} 1714.97 \\ 15.03 \\ \hline 190.00 \end{array}$$

$$\begin{array}{r} 984.97 \\ 5.03 \\ \hline 190.00 \end{array}$$

70345 26611

Working For H B Postlewaite, Etc. Hand Laid
continued from Page 35

Continued from page 35-

三四

[illegible]

Boarding at Comp.

[illegible]

Jan 9-1929 Wed

Correction

Bet ~~13-14~~ 139-29 = .008238 E + 13.51
For each foot south
Continued

4069.975 = 3954.945 G o c s E 32.58 + 13.51 = 46.09 E

S $\frac{1}{16}$ Bet 13-14-139-29

4693.70 = 4578.675 G o c s E 37.72 + 13.51 = 51.23 E

5037.50 = 4922.475 " E 40.55 + 13.51 = 54.06

5388.29 = 5273.265 " E 43.44 + 13.51 = 56.95

SE Cor 14-139-29 = ± N.

Up at 6 am - Snowed half an inch - warm
Bert can start early. 7:30 light storm starts
from S.E. Bert and his car & I drive on ice
East line see 14-139-29

Bert drives back to get 15 mine but
he is gone. W.C.

Correct - roughly viz

Hub 1900 W.C. set tall stake East 28.21

2200 " " " " 30.69

2500 " " " " 33.16

2751.66 " " " " 35.25

Set tall stakes to cut by.

Storm increases and we go home 11:30

1 PM - storm slack up

PM

Correction $\pm$ W E 14-139-29

Pg 72-71-73

E 14 5203.33 F 14

$\frac{1}{16}$

$\frac{1}{16}$

N $\frac{1}{16}$ 3.2 = .000615 N } Bert and I
Hub 2751.3 W goes N 0.14 " } correct over there
81.3 511.3 " " N 0.31 " } hub and set 3 ft
819.4 " " N 0.50 " } stakes over which
1234.6 " " N 0.76 " } I will set the π
later

Cut brush and set pickets along
lake shore. Bert goes to town and back

I can't run our rafter

* 1. π bet for 14 yds. Timbered & cut 1/2 lb

Jan 10 - 1929 Thursday -

Snowed again all night. I take Bert's car and drive to Kinnear's. Kinnear has a cold and cannot help us. I mail my letters viz

I to Baderich Gen Del Superior, Wis
Harold J Curo, Calabazas Calif
to Roy V. Morrison Box 66

Mrs A.B. (Gladys) Howley Sacramento Calif
to Y.W.C.A. I buy 2 loaves of bread
of Albert Smith 30¢ also Ticks 5¢ then
drive Ert SE and pick up

Curbie Sittman a man @ \$2. a day

Arthur Ben Miller may come to meet
Curley and I drive 80 rods N to Hannel
Lake - pick up Kinnear's brush sawyer and
drive over lake to our cabin

Pick up Bert Michener and all drive to
E side 14-139-29 where Carbie cuts

South on line bet 13-14-139-29

Bert and I cut brush along shore
11-50 am all stop for dinner in Bert's car
in blinding snow storm

Michener cooks dinner and Carbie
eats with us. PM

1 PM we walk back in heavy snow storm

but as the weather is warm Michener says
he rather work in this storm than in cold
weather. This is our first time to walk
and not use our car

Work till dark and Curbie walks home

Jan 11-1928

59

87

Friday - 24° below zero by the
thermometer at our camp but out by Mich-
ener and 27° below at Portoria store
9-AM Curbie comes across the lake
nearly frozen still cold medium wind from
SW. Curbie and I walk so over lake while
Bert gets stuck in snow trying to get to
store for grub. PM

10° below zero with a stiff wind from SW
Curbie and I walk back - Michener
is to shovel out snow drifts and get grub at
store He puts on chains and bucks his
way thro - Pays \$6. for wood (over a cord of
dry S.P. wood sawed into 16" & delivered
at our camp.) P.M.

He gets other supplies and joins us early
and we cut brush on So. side Hand Lake

I set red flags and look up short
ways and "to-pog" Curbie walks
home and we get home at dark

Cold as hell - Heavy SW wind and
 10° Zero at our camp

Note: Arthur Bernmiller refused to come
as he is working for Walker

7-PM and 10-PM we run Berke's car and
pull out the alcohol water
Still 10° below zero - wind blows harder
snow drifting

Cozy and warm in our little camp
Wind swinging more to the West.
Bert and I still alone in camp.
Alma and Red still alone at Jenkins

Jan 12-1929 Saturday

Howling NW wind 12° degrees below zero
Blinding drifting clouds of snow on the
lake Oscar Saled drops in @ 9 am
enroute to mail box

Preston Siltman also comes with his axe
@ 9 am. and says Curbie called him up
last night to help us cut brush.

Preston Siltman 24 years old and married
We warn him that it is too cold to work but he
wades SE over lake but comes back in 30
minutes & says blinding snow will not
permit him to work.

Sun shining brightly both yesterday and
today. 12° below 10 am.

Curbie Siltman cut brush alone
along lake shore all am and at noon
comes in for his dinner

Preston also eats with us and in
PM

I and the Siltman boys walk East
under cover of the timber on N shore of
Haul Lake and from Red flag @ NE Cor
Lot 4-14-139-29 Cut two lines SE

One line to point on top of big hill
inland and one line to Crooked sup
at base of hill

Then cut line so along base of big
hill and edge of swamp.

also cut more brush out of Tract E
Bdry of Sec 14 - From Haul Lake so to

1/4 Cor. bet 13-14-139-29

where I set 6 1/2 ft. red flag @ 60° spike

at 1/4 Cor. Tracks in snow show
where I "slatted" a wolf here yesterday

We had to build a fire to save our hands
Quit at dark 10° below at noon 16° below

at 5 PM. - 23 below @ 7-40 PM. Northwind
Note: Bud Kinn called in PM while we were
out

Jan 13-1929 Sunday

34° below @ 7:30 AM. NW wind at
Camp. (Note: 40° below at Jenkins)
24° below @ 12 M.

Bert Michener and I with his
Ford Coop Lv Camp @ 11 AM.

Shovel snow at Mike Smith farm
at Pine River 3-30 PM. - air 25°

Bert stays in Pine River
I drive his car to Jenkins Lv car @
Olson Garage 50¢

Jan 14-1929 Monday

10° below all day Bright sunshine

I Lv Jenkins @ 1 PM. Pick up
Michener and his load of supplies @
Pine River and we drive to camp
on N shore of Hand Lake

Note: Pine River snow plows have
cleared out the snow drifts

Note: Anticeptic dope viz

Hydroceptive Tablets (Permidis)
81.0 pr Box 12?

90

62

Jan 15-1929 Tuesday

38° below 6-a.m. - 16° below 9-a.m.

Copy Michener's supply bills viz

1928

Dec

1929

Jan

9 =	2.23
10	.75
	.60
	.63
11th	.20
12th	1.73
	.20
13th	1.05
14th	1.39
	3.86
	.73
19th	2.28
	1.60
	2.25
22nd	5.19
24	2.03
27	1.27
29	.54
30	.55
	1.18
	50
30	76

4th	.73
	1.58
5th	.40
8	2.94
9-	1.33
	2.70
11th	7.78 Wood re
7th	4.48 Lbr. Wood re
14th	-

Jan 15-1929 Continued

4° below Irving calls
PM

Bert and I pack outfit 0 mile E on
ice. π over Hub 1000-S-P₉ 83 TURN 90°
East 20.80 and set 60' spike on
TRUE Sec Line Bet 13-14-139-29
Then S 0.03 To

885 So of NE Cor Sec 14: ①

Point N: 1. Pop 8 North 8.4 Spate bore
Ties Viz " 10 East 3.2
Course taken by eye

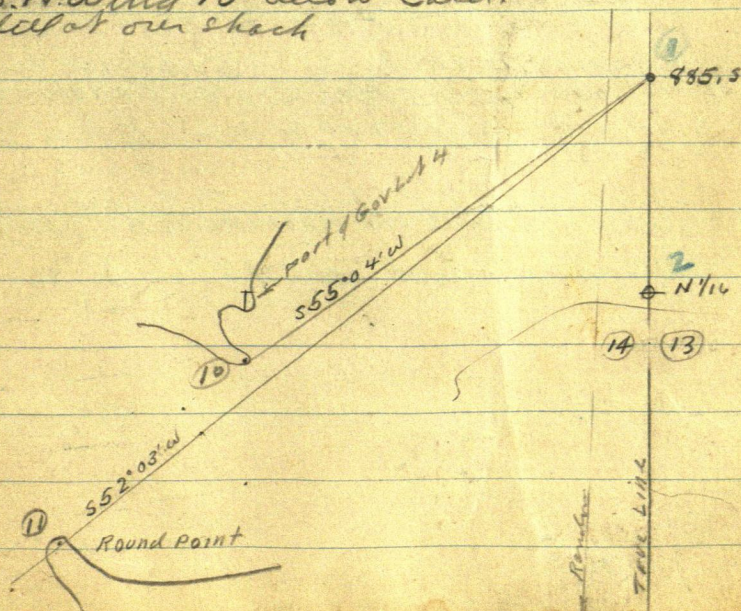
π over pt N: 1. Focus S. on 1/4 Cor
Flag on Pt on So Shore bears S52°03'W 170 Rods?
" " " " " S55°04'W 100 Rods?

① π over Pt N: 1. Look S52°03'W To

S55°04'W To

Set pickets and cut brush on Round point
SW of Transit L. fir turning near Transit
and go home over ice at dusk.

S.W. Wind 10° below Calcl.
Skid at our shack



92

64

Jan 16-1929 Wed

22° below @ 6-am no wind

8 am bright sunshine 19° below no wind

Kinne comes @ 11 am and takes dinner with us

At 12 o'clock Noon Kinne and I Lt
Michener follows shortlySta ① = Pt on true line 885 ft S. of NE Cor 14-139-29
10 ft N of Water Hand Lake

Transit over ① RS S. on red flag @ 1/4 Cor Run

① S 19° 42' W 3-6-751.7 To Sta ⑥ over Lake on ice

① S 30° 10' W 741.0 over Hand Lake on ice To ⑦

7 ft from Water Solid Low Land + 42 =

783 Foot of Big Hill. $741 + 107.6 = 848.6$ (9)

③ on lip of big hill 20 ft from brink (E. Bench)

① S 46° W on ice 821 To Sta ⑨ on NE Cor Round
Point

① South on ice on sec line 433.31 To Sta ②

① Take course S 55° 04' W over Lake about
1500 feet To Sta ⑩ Being red flag + 60 d
spike on sharp point on N Side Hand Lake① Take course over Lake S 52° 03' W about
1/2 mile to Sta ⑪ Reg. Fly on Point S. side LakeX over
Sta ② S 27° 08' W @ 300 enter grass - 355 Lv ice ent
Low Land 495.5 Sta ③ at Foot of Hills
Top of First Bench 10 ft Hi' 50 ft W est② Run S 34° 18' W 300 min. 350 Lv ice ent
Low Land 426.5 Hub Sta ④ continue

S 34° 18' W @ 440 Foot of First Bench (Hill)

@ 525 Foot of Higher Bench 426.5 +

279.3 = 705.8 = Sta ⑤ = 20 d spike in

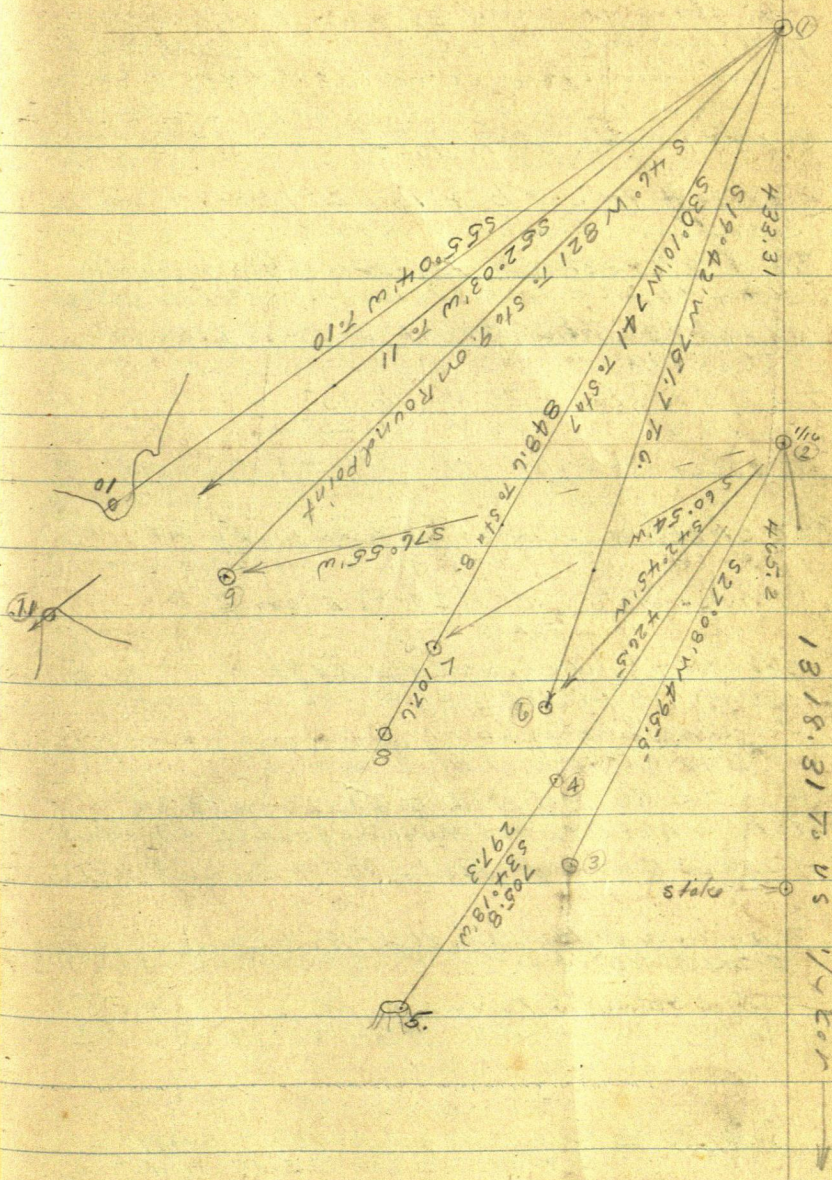
So Half of 14 inch WP Stump on top of Big Hill

② Take rough check S 42° 45' W To Sta ⑥

65

8856

66



Jan 17-1929 Thurs

6' above no wind @ 6-a.m. 8 inches of snow
fell. Lost mile. Michener and I walk East
check chain from corrected that 885 S at
South on reason True line bet 13-14-139-29
@ 433.1 check on N $\frac{1}{16}$ Cor on ice - red flag

North $\frac{1}{16}$ Cor bet 13-14-139-29 continues
South on Ace Line @ 300 L to Ice 25 ft
W of $\frac{1}{2}$ Creek coming from SE 7 ft wide
300 + 165.2 = 465.2 stake in swamp .15' of
a foot (2 inches) West of True Line
Ties viz

Tern 5 N about 20° W 16.35

" 10 S " 70 W 21.25

To spot at base all soft Tern Swamp

We check angles as shown on Pg 93.

T over sta ③ BS N 27° 08' E on ②
Top 09

12" Pop bears N about 20° E 38 ft

2 Birch trees 8" N " 31 E 105

other big Birch SE

WP 24 N 66° 40' E 19 ft

" 30 S 86° E 118.6 to side rough ch

Note: These trees show about East edge
of solid swamp - Balance of swamp softer.

Top of Lower Bench 10 ft Hi bears
S 24° W 65 ft

Top of Same S 70° W 40

" " " N 50° W 100

" " " N 30° W 130

S 3° 20' E @ 10 Foot of hill 10' R SW 10' L
@ 100 " " " 20' R " 10' L

209.9 Set 2 X 30" Birch stakes @ foot of hill
Swamp 10' L @ 220 East Swamp N-SW

@ 300 to 400 Foot of hill and edge of Swamp
50 ft R.

π still over pt N-3. run

N $9^{\circ}35'W$ @ 40 Foot of hill 20 ft L
 @ 89.1 cut W Edge sta 4 at foot of hill
 @ 168. sta 6

Then check π N $27^{\circ}07'E$ on $1/16$ OK.
 Bert and I walk home each drives
 Kinne arrives.

PM

Michener and Kinne walk East cut line
 while I plot up notes

1-40 PM I follow them

2:10 PM - Kinne cutting shore line.

Bert & I X over 7

BS on N-1 N $30^{\circ}10'E$

6 Beam S $60^{\circ}39'E$ 136.6.

6 Lake 20'R. Foot Low Hill 42L

Top 10'H. 70L

6 Run N $60^{\circ}39'W$ @ 80 Lake 10'R.

Foot Hill 40'L Top of Low Hill Break at
 Foot of Big Hill 60'L

7 is water 20'R. Foot of Big hill 40'L
 about. Paced. Top of Big Hill 20'H

Brink of same 20 FT Ely from Sta 8

7 Run N $72^{\circ}11'W$ 229.10 to Sta 9 on
 Round Point NE Cor

7 Run N $72^{\circ}11'W$ @ 150 Lake 10'R

Foot Big Hill 40'L Top 25'H. 125L

@ 150 same.

9 X over N-9 BS N $46^{\circ}E$ on sta 1.

Lake shore N $65^{\circ}E$ 25'H and N. 3. ft

Foot of Big Hill S $10^{\circ}E$ 50 ft

Runs S $6^{\circ}43'E$ 122 Sta 12, on top of Big
 Hill at Bend 20 ft H. 10 ft from Brink
 Red Flag and spike at base

9 Run S $43^{\circ}38'W$ 120 to Sta 13 6 to lake
 @ 60 Lake 10'R 13 Lake 5'R.

13 Foot Big Hill 45'L. Top 110.L

Set stakes along shore cut brush.

Jahm W. Curo

Jan 18-1929 Friday

0° Zero @ 6 am cloudy - 8-30 - 4° above
Kinne cuts brush - Bert and I set
red flags No 16 to 36 - Dinner at camp
PM

NW Wind. Bud cuts brush

Bert and I finish setting point on shore

⑩ Town ⑩ BS N 55° 04' E on ①
Sta. 12 on the Hill was
N 69° 31' E

13 N 65° 11' E

14 N 70° 05' E

15 N 74° 53' E

16 N 86° 08' E

17 S 86° E → East 00

18 S 77° 34' E Two points on shore. 499.3

18 A S 77° 34' E Red Flag in shrub. 618.5

19 S 73° 50' E

20 S 52° 42' E

21 S 47° 16' E Red Flag on Hill

22 S 40° 04' E

23 S 32° 47' E N of Swamp 613.5

24 S 24° 51' E S. "

25 S 18° 22' E = S. line on Lot 4 -

Went

26 S 12° 05' E

26 A S 13° 17' E SPK in 12" N 94° on Hill

27 S 4° 05' E → South 00

28 S 4° 50' W

29 S 10° 17' W

30 S 14° 31' W

31 A S 19° 05' W on Hill

31 S 19° W 1132.3

32 S 25° 03' W

33 A S 27° 32' on Hill

33 S 30° 31' W

34 S 40° 14' W Rakul na

35 S 40° 14' W on Hill

⑪ S 48° 34' W S 48° 32' W 1522.2

69 Postlewait-

97

Tower 10

⑨ Bears N $62^{\circ}35'E$ 984.8

⑩ Rm S $32^{\circ}47'E$ 613.5 - To Sta 23

⑩ Rm S $77^{\circ}34'E$ 499.3 To Sta 18

@ 618.5 Sta 18. A on ridge Flag in situ up
 $499.3 + 119.2 = 618.5$

⑩ Chain S $19^{\circ}W$ 1132.3 To Sta 31. on shore
Michener Breaks thro the ice near south
shore of Hand Lake about 4 PM but stays
with wet feet and helps me make
above measurements from
Sta 10 - over lake on ice to various points
nw wind cold quiet at sundown
 4° below zero @ 6 PM.
 10° below 8-30 PM nw wind cold.

I plot up work

98

(70)

Jan 19-1929 Sat
 13° below @ 6-30 am - 10° below @ 7-30
 NW wind Calcl. I map up shore line
 Figuring

Sta 1 to Sta 9 - S 46° W 821

$$\text{Sine } 46^\circ = 7193 \times 821 = 590.58 \text{ W OK}$$

$$\text{Cosine } 46^\circ = 6947 \times 821 = 570.32 \text{ S}$$

$$- 433.31$$

$$137.01 \text{ So of N } 1/16$$

and 590.55 W of N 1/16 = Sta 9

Sta 9. To Sta 10 S 62° 35' W 984.8 ft

$$\text{Sine } 887.68 \times 984.8 = 874.19 \text{ W of Sta 9}$$

$$\text{Cosine } 46046 \times 984.8 = 453.46 \text{ S of Sta 9}$$

$$+ 137.04$$

Sta 10 is 590.50 S of N 1/16

Sta 10 { 590.50 S of N 1/16

$$570.35 + 874.19 = 1444.54 \text{ W of N } 1/16$$

Try this viz

1- to 9.

S 46° W 821

$$\text{Sine } 71934 \times 821 = 590.58 \text{ W}$$

$$\text{Cosine } 69466 \times 821 = 570.32 \text{ S}$$

So that Sta 9 is 590.58 W and

570.32 S of Sta 1.

Sta 2 = N 1/16 Cor on ice and is 433.31 S of Sta 1

$$570.32 - 433.31 = 137.01$$

Now then:

Sta 9 is still 590.58 W and

137.01 S From Sta 2

9- to -10 S 62° 35' W 984.8

$$\text{Sine } 88768 \times 984.8 = 874.19 \text{ W}$$

$$\text{Cosine } 46046 \times 984.8 = 453.46 \text{ S}$$

$$10 \left\{ \begin{array}{l} 590.58 + 874.19 = 1464.77 \text{ W} \\ 137.01 + 453.46 = 590.47 \text{ S} \end{array} \right. \text{ of N } 1/16$$

Note: Bert Wants no pay for today

I plot all day

No check Nix

OK. Checks on map

Jan 19-1929 continued

Working on map in comp

Turn to Page 92 This Book. Still Figure Viz:

$$\begin{aligned}\text{Sta ① to ⑥} &= S 19^{\circ} 42' W 751.7 \\ \text{Sine } 33710 \times 751.7 &= 253.40 W \text{ OK} = ⑥ \\ \text{Cosine } 94147 \times 751.7 &= 707.70 - S - \text{OK}\end{aligned}$$

$$\text{Sta ②} = N 1/16 \text{ on ice and is } 433.31 \text{ S of Sta ①}$$

$$707.70 - 433.31 = 274.39 S$$

So that

$$\text{Sta ⑥ is } 274.39 S \text{ and } 253.40 W \text{ From Sta ②} \quad \text{OK. Plot this}$$

$$\text{Sta ① to ⑦} = S 30^{\circ} 10' W 741$$

$$\text{Sine } 50252 \times 741 = 372.37 W \text{ OK}$$

$$\text{Cosine } 86457 \times 741 = 640.65 S \text{ OK}$$

$$\text{Sta ②} = N 1/16 \text{ Cor and is } 433.31 \text{ S of Sta ①}$$

$$640.65 - 433.31 = 207.34$$

So that

$$\text{Sta ⑦ is } 207.34 S \text{ and } 372.37 W \text{ From } N 1/16 \text{ Cor } \left. \begin{array}{l} \text{OK} \\ \text{Plot this} \end{array} \right\}$$

$$\text{Sta ① to ⑧} = S 30^{\circ} 10' W 848.6$$

$$\text{Sine } 50252 \times 848.6 = 426.44 W$$

$$\text{Cosine } 86457 \times 848.6 = 733.67 S$$

$$\text{Sta ②} = N 1/16 \text{ and is } 433.31 \text{ S of Sta ①}$$

$$733.67 - 433.31 = 300.66 S$$

So that

$$\text{Sta ⑧ is } 426.44 W \text{ and } 300.66 S \text{ of } N 1/16 \text{ Cor Sta ②} \quad \left. \begin{array}{l} \text{OK} \\ \text{Plot this up} \end{array} \right\}$$

Then run in Points 3-4 and 5

$$\text{Plot from Sta ③ } S 3^{\circ} 10' E 209.9 \text{ See Page 94}$$

$$\text{Plot Sta ⑩ } S 48^{\circ} 33' W \text{ P. 96}$$

$$\text{Sine } 74953$$

$$\text{Cosine } 66197$$

$$\text{Tang } 1.13228$$

$$\text{Cot } 88317 \times 1000 = 883.17$$

$$\text{⑩ to ⑱ } S 77^{\circ} 34' E 499.3 \text{ to ⑱ and } 618.5 \text{ to ⑱ A}$$

$$\text{Sine } 97655 \times 499$$

$$\text{Cosine } 21530 \times$$

$$\text{Tang } 4.53568$$

$$\text{Cot } 22047 = 220.47 \text{ in } 1000$$

Addresses

Harold J. Curo c/o Roy V. Morrison
 Calabasas California
 Letter dated Dec 23-1928 Recd Dec 29-
 1928.

Christmas Card
 Across The Miles
 at Christmas time

Tho I think that California
 With its many sights so grand
 Is a vision of rare beauty
 From the Master-BUILDER's hand.
 Yet to you my thoughts will wander
 O'er the miles so far away.
 Wishing we could share together
 The joys of Christmas Day.

Note: The above card was sent to H.B. Kinne
 Backus Minn.
 From Long Beach Calif. Jan 18-1929

Jan 20 - 1929 Sunday

10° below @ 7-AM. No wind

8:30 wind rises from SW - 4° below
plotting

(10) T. (23) S 32° 47' E 613.5

Tang = $64404 = 644.04$ in 1000

(10) T. (31) S 19° W 1132.3 T. (31)

Tang = $34433 = 344.33$ in 1000

(10) T. (31A) S 19° 05' W

Tang = $34596 = 345.96$ in 1000

I plat till 10:30 Then Michener and
I bundle up and work. Cold SW wind
zero about But builds fire to warm
my fingers to work.

Walk a mile East

π over (14) BS S 70° 05' W on (10)

(13) is N 22° 15' E 100.5 Foot Big Hill 15 L

Top 75 L 20 feet Hi

(15) Bears S 10° 35' W 74.6 Foot 20 L Top 65 L 18 Hi

π over (16)

BS S 86° 08' W on (10)

(15) Bears N 27° 20' E 174.5

(17) " S 48° 36' W

(15) Run S 27° 20' W: @ 25 foot Hill 10 L

Top 65 L 16' Hi @ 75 Foot 10 L Top 30 L 10 Hi

@ 100 Foot 20 L Top 30 L 7' Hi

Note: Foot of Big Hill & lands L 150 ft
or more

Water: all 10' R

(16) at 16 Low ridge 4' Hi 30' L. Flat extends
East 200 ft Slopes slightly up

π (16) Run S 48° 36' W:

@ 10 feet the top of 4 ft ridge 30' L

Slopes up 200 feet L to top low hill 10 Hi

@ 127.2 T. Slo (17) + 102.6 = 229.8 = (18)

127.2 + 141.1 = 268.3 = Slo (19)

Jan 20-1929 Cont'd

(75)

103

(23) π slit @ sta (23)

N end 20 ft ridge 4 ft hi bears

N 70° E 30 ft Ridge also S 32° E 50

S 32° E 65 ends swamp

SW Brink of Hill 12 ft hi bears N 17° E 75

Brink " " " " N 56° E 65

" " " " East 100

Foot " " " East 40

" " " " S 77° E 100 to 130

equal ridge of swamp

N E cor swamp bears S 80° E 72 paces

= 210 ft?

(23) Lake 10' R

Run S 10° 10' W @ 100 LK 2' R

Ridge 42 L Swamp 50 L

(24) @ Sta 24 LK 10' R

S 10° 24' to 25' = 82.8 Feet

" 24' to 26' = 104.5 "

(24) Chain S 24° 51' E

@ 27 Ridge Top. @ 40 ends swamp

@ 75 LV swamp - Foot big hill

@ 150 Top of West Brink Hill 15' hi

(26) π over slo 26 135 N 12° 05' W on 10

24 Bears N 65° 48' E 164.5 ft

(25) " N 67° 07' E 81.6 "

(27) " S 49° 28' W 128.8 "

26 A. Bears---

(25) run S 67° 07' W Foot of Hill 10' L

Top 20' L 7' hi Lake 5' R.

(25) + 30 LK 10' R Foot 10 L Top 25 L 10 ft hi

25 + 50, Foot 00 L, Top 25 L LK 7' R

Sta 26 LK 4' R Foot 5' L

104

76

Jan 20-1929 Cont'd

26

 π over slo 26.26A bears $S 34^{\circ} 56' E$ 42 ft on top of Hill 15 ft Hi (= spike in C-15" R. slump)(26) Run $S 49^{\circ} 28' W$ @ 50 Foot 15 LTop 40 L 10' Hi Lake 3' R.
@ + 100. LK 3' R. Foot 5 L. Top 25 L 6 Hi
and Top 60 L 10 ft Hi

(27) LK 6 R. Foot 5 L. Top 20 L 10 Hi

27 to 28 = 166.7 Feet

(27) + 50 LK 10 R. Foot 5 L. Top 30 L 10 Hi
slopes up π over 28 BS $N 4^{\circ} 50' E$ on 1027 Bears $N 58^{\circ} 57' E$ 166.729 " $S 42^{\circ} 17' W$ 164

(28) LK 4 R. Foot 5 L Top 35 L 12 Hi

(28) + 50 To + 75 LK 6 R. Top 40 L

(29) LK 8 R. Foot 10 L Top 40 L 10 Hi

(30) π over 30 BS $N 14^{\circ} 31' E$ on 1029 Bears $N 71^{\circ} 02' E$ 92.4 ft31 " $S 84^{\circ} 30' W$ 94.2 "

(30) LK 7 R. Foot 10 L. Top 40 L 10 Hi

(31) LK 8 R. " 10 L " 40 L 10 "

31 To 31A = 115.5 Feet

31 To 32 = 123.3 Ft

 π over 32 BS $N 25^{\circ} 03' E$ on 1031 Bears $S 79^{\circ} 52' E$ 123.3 ft33 " $S 77^{\circ} 08' W$ 151.4(31) Run $N 79^{\circ} 52' W$ -

@ + 75 Foot 25 L LK 4 R Top 40 L

@ slo 32 LK 3 R. Foot 15 L Top 35 L 12 Hi

(32) + 75 LK 4 R. Foot 10 L Top 25 L

- (33) LK 4 R.
Chain 15 33A @ 10 feet foot of hill
@ 35 ft first bench @ 99.2 To (33A).
Hub on hill rule course not taken

(33) Chain 118.10 To Axe stock in log
+ 171.30
289.40 To Sta (34)

Tower (34) BS N 40° 14' E on 10

(33) Bears N 87° 20' E 289.4

(35) " S 40° 14' W 90.5 (at 50 foot hill)

(1) " N 67° 32' W 231.7

(34) is 10 T. LK. Sag in hill bears south
@ 100 south foot @ 125 south Low gap
Point for stilet to lake N
on N and S

(33) + 150 LK 10 R, Foot 25 L Top 50 L 8 Ht

(34) LK 10 R.

(34) + 150 LK 6 R, Foot 10 L Top 40 L

Tower Sta II BS N 48° 33' E on 10

Sta (11A) bears S 34° 09' E 133.2 on top
15 foot hill @ 75 foot of hill

Tower II Run S 12° 38' W 165.5 To (36)

@ 75 Foot 15 L @ 165.5 Foot 15 L Top 40 L
15 Ht Lake 4' R.

Michener sets Triangulation flag on
Point 80 rods over lake in 2 ft Pine stump
appears to be S 72° 40' W ? Too dark to
see. Cold or hell we beat it for camp
Will need angle again later
Sun and. Sunshine 200

John W. Cress

Jan 21-1929 Monday

4° below so wind Bright Sunshine
@ 6-30 copy notes and pull out.

10-30 AM From (11) BS N 48°33' E (10)

(36A) Flag over lake here

S 12°40' W 80 rods dist

From (11) run S 12°40' W from
thru 36 chain from (36)

S 12°40' W

Best and I try to finish enough
for a map

Still over (11) Focus S 12°40' W on
36A and from 36 chain S 12°40' W
57.2 to spike on ice

Then 57.2 Sight S 12°40' W from
on ice along shore

S 32°40' E

15 ft

0.0 + 50 Lake 15 L Foot 10 L 25 L Top 75 L

@ 100 LK 20 L Foot 10 L 30 L Top 70 L 12 ft

@ 150 " 30 L " " 45 L " 70 L 10 "

200 " 37 L " " 53 L " 70 L 7 "

(Note about 150 to 200 is low)

250 " 35 L Foot 50 L Top 100 L 10 ft

300 " 25 " 50 L " 75 L 8 ft

slopes up

350 " 15 L 25 L 65 L 8 "

400 10 L 20 L 50 L 8 "

450 15 L 20 L 50 L 7 "

Round Top @ 450 and 450
12 PM later

500 - 35 L slopes up for 200 ft
to 10 ft ft

550 - LK 60 L then across talus
land 125 East or Left

to foot of hill Top 200 L = 7 ft

Continuing base line S 32° 40' E

on ice
@ 600 Lake shore 90 L Foot of hill 200 L
Top 300 L - 7 ft High

650 Nat. Lake

7 Ht

700 LK 185 L Foot Hill 235 L Top 300 L

750 " 180 L " 230 L Top 300 - 7 Ht

800 Nat Lake

850 Peyon ice Too wet, water under
snow along shore

@ 850 + about 75 = 925 incline
about E-W 1/16 line 60 ft west
of Paplar line with red flag at
shore line

Shore 60 E Foot 75 E Top 150 E
10 ft High

Nat: π still @ 0.0 = 57.2

run N 70° E @ 20 LK shore @ 35 Foot
of hill @ 75 Top 15 Ht

We pack outfit NE to E-W &

On E-W-C Sec 14-139-29

@ 800 W Low end of draw lies S 35 to
75 feet - runs SE 50 ft to swamp

@ Hut 819.4 W Highest part of ridge
leads NE

850 W Point to cross N + S with road
about the west limit

Low draw lies south 30 to 60 feet

@ 900 W Draw 5 to 20 ft south

925 W in line with & remene
Foot of Hill runs north 150 feet
SE Cor of swamp lies N W 10 feet

On E-W-L Sec 14-139-29

@ 925 W Cont'd Top of hill lies S 50 ft
20 ft high

950 W Foot of hill = swamp R.

1015 W: on solid point runs 5 ft
North to swamp

1050 W Foot of hill 5 ft L Top 30 L

10 ft hi slopes up

see other notes for bal of this
line

Rock outcrop North to Hat (18A)

= Flag in swamp on Ridge Low

ridge N-S near west end of Grog

Lowest part of this gap lies 5 ft SW

To 25 ft NE point for sheet to

Hand Lake

(18A) Chari S 77° 34' E

@ 35 Swamp 10' R.

@ 110 " 15 R

@ 150 Top of Hill 15 ft Swamp 40 R

175 + 15 = 190 To 230 So end of
drow leads North 50 ft to
swamp = Drow in point for my
road North

(18A) Take Swamp Run & Run

Continue S 77° 35' E 35 ft to Hat
set by eye. Then Hat 35 AS L 77° 35'
W on 10 and run

Then 18A + 35 Run S 32° 40' E
(note some corners used on lake)

@ 10 end swamp

Ridge Foot 60 R Top 70 R.

@ 50 " 30 R " 100 R

Swamp 30 L 30 R.

Continue from 18A + 35.

S 32° 40' E 4 swamps
 @ 150 in bog. Found 35R top 75R 15H
 Swamp 50 L 35R.

@ 125 Swamp 75 L

@ 150 Swamp 35R 50 L

@ 175 - To 200 Swamp 15 L 15 R

@ 225 Swamp 40 L 20 R

@ 300 " 20 L 30 R

@ 350 " 20 L

@ 380 L 1 Swamp

@ 380 Swamp 85 R.

SE end of swamp extends SE 75°

This finishes our trip for
 now and we pack outfit to camp

Pack up part of our things and

@ 4:00 P.M. Michener and I, each
 with our cars pull out for home.
 Michener goes home to Pine River
 and I arrive home in Jackson at
 midnight.

Bright sun and 10° below so wind
 not cold all day.

Jan 22-1929- Tuesday

Home in Jenkins Cloudy - now
at wind - Platting

Blinding storm from NW - cold
heavy snow starts about noon

Howling Blizzard at 4 PM

I try to work at my office
Then make a drafting board
28X28X1 - w.p. 30 ft lumber miter
and sand paper Walk home with
Reed @ 4-10 PM - Pock downy looks
and board.

Te

Platting

10 N 69° 31' E to Sta 12 on Hill

13 N 65° 11' E

14 N 70° 05' E = 19° 55' Tang = 362.32 in 1000

15 N 74° 53' E = 15° 07' Tang = 270.13 in 1000

16 N 86° 08' E = 3° 52' Tang = 067.59 " 1000

East 0.0 → E

17 S 86° E = 4° 00' Tang = .06993 = 69.93 in 1000

18 S 77° 34' E = 12° 26' Tang = 220.47 " "

19 S 73° 50' E = 16° 10' Tang = 289.90

20 S 52° 42' E = 37° 18' Tang = 761.80

21 S 47° 16' E = 42° 44' Tang = 923.85 on Hill

22 S 40° 04' E = Tang = 841.08

23 S 32° 47' E = 613.5 Tang = 644.04

Jan 23-1929 Wed

Cold 40° below no wind snow dry
and squeaky sunrises bright

Platting

at home not at office

Alma + I home Reed walks to school

Figuring

(24) S 24° 51' E Tang = 463.12

(25) S 18° 22' E Tang = 332.01 in 1000

(26A) S 13° 17' E Tang = 236.08

on hill

(26) S 12° 05' E Tang 214.08

(27) S 4° 05' E Tang 071.89

South → S
0.0.

(28) S 4° 50' W Tang 084.56

(29) S 10° 17' W Tang ~ 181.43

(30) S 14° 31' W Tang 258.93

(31) S 19° W 1132.3 Tang = 344.33

(31A) S 19° 05' W on hill Tang 345.96

(32) S 25° 03' W Tang = 467.37

(33A) S 27° 32' W on hill Tang = 521.31

(33) S 30° 31' W Tang = 589.44

(34) S 40° 14' W Poked in Tang = 846.06

(35) S 40° 14' W on hill Tang = 846.06

112 Jan 23-1929 contd
 Bert Michener, calls 2 to 3 PM and
 I figure his time @ 20 days in Dec 1928
 and 13 days in Jan 1929 = 33 days
 He is to get \$4. a day

All day at Jenkins on the
 map of Shadywood
 Shores.

Jan 24-1929 Thursday

All day at home in Jenkins
 still flattening

Jan 25-1929 Friday
 Same as above

Jan 26-1929 Sat Same

Jan 27-1929 Sunday 85

113

Alma to Sunday school

Reed and I at home - 11-30 AM.

Bert Michener calls enroute to
St Paul. I take my Preliminary
flat papers and go with him

Chicken dinner at Elks Club
at Little Falls 75 and 75 = 81.50

paid by Michener

at Midway but Mpls. r
St Paul at 6 PM.

Bert stays with his daughter
Myrtle and her husband John

Rienecke 1984 Selby Ave

St Paul and I stay with him

Jan 28-1929. Monday

Michener and I with my grip
and flats take a car street car to
office of Midwest Hauling
Co 342-346 Minnesota St
where we meet W.H.B. Pottlewails
who call

Suburban Investment Co
Office 512 Midland Trust Bldg
Sixth and Wabasha St Paul
Phone Cedar 3013

M. W. H. Rippberger Sales
manager comes over

also Mr

Pres

and we decide on to change in the
map - I go with Mr Rippberger and
see his office all day.

114

(86)

8238 + 13.51

34

32952

24714

280092

13.51

41.52

South Bet 13-14 -139-29

correction

Page 43-44-45-51-53-57-61-

68-69-70-71-72-75-76-77-

(83) 85-86-87-88- (91-92-93-94-98-

see

Kerbie Siltman

Hard Lake

Home Sat. & Sunday

Worked with Dad in

Survey of Sec 14 - 139-29

Hard Lake

in Office Sept 24-1953

116

BOOK 156

(See p. 13 Book 143)

156

TRANSIT BOOK

1309

Return to
County Surveyor
Cass Co. Minn.



1891
369

65 hr on potatoes
16.5

April 14 1917

T 140 N R 28 W

Ben Clark Surveyor and

Bert Combs and

Clarence Garrison went

to the $\frac{1}{4}$ S. Section sec 10-15-

a cedar stump, marked BT

7 S + 5 E 4 links cedar 4 in N 5 W

5 Links thence set a cedar post

4 in space and the same $\frac{1}{4}$ S north

sec 10 on one side and sec 15-

thence Run East 7 at 6 60 links

Insist By Lake and set a

cedar post 3 in in diameter

for MC but sec 10-15

T 140 N. R 28 W 5 R 11

Begin at the Estate $\frac{1}{4}$ S Corn

but sec 10. 15 and run

west but sec 10. 15 + 7 at

38. 30 Chain to Corn sec 10. 15

sec 9. 16

~~55~~

found a in pine 7 in south
067 w 40 lambs with old figures on
for sec 15 and other pine stump to
Corywood with the field etc
set a oak post 3 in. high marked
the same sec 15-16. 9.16

T 140 N R 28 w 5 p Mer April 26
Begin at the white bar on sec 9.10.15-16
and runs north bet sec 9.10 & 7.46
at 80 Change Cor to sec
10. 9. 4. 3 No trees
Ben A Clark

see book 170 for Clark's
survey of sec. 10-140-28
E.B. Horst.

2 April 18 1917

~~357~~

T 140 N. R 28 W 5 p. M.

Begin at MC con at 34 found
a white pine 4 in marked MC

white pine 4 in W 16 W 10 oak stump

9 W 73 E 40

Set a oak post for MC 3 in

spurs and made a mound of

stone thence run north bet

sec 10-11 & 7 at 50 chains the

Diston ended for in field with

search for the con to sec 10-11

sec 2-3 but could not find it

on April 20 1917

on north at 90° ^{or} looks to $\frac{1}{4}$ S bet

sec 2, sec 3 East of post 46 looks

old post three ^{Time Line 8720 =} in place marked

$\frac{1}{4}$ S for sec 2 marked $\frac{1}{4}$ S

3576 chain W WC to East bet 11-2 to

junction of time line bet sec 10-11

April 21 1917

4

Set Corn to see 2.3.10.11

at 50 Chang from MC on Bay Lake

No 34

and 40 Changs from $\frac{1}{4}$ S set see
2. 3 and 26 Lents from same line

a Ironwood post 4 in square

and marked the fishing witness line

a poplar $\frac{1}{4}$ S to 51 W 51 Lents

poplar $\frac{1}{4}$ S to 34 E 38 Lents

poplar $\frac{1}{4}$ N to 22 E 36 =

poplar $\frac{1}{4}$ N to 27 W 32 $\frac{1}{2}$ Lents

thence run west to 7.30 W

at 13 Changs insect Cooper Lake

19 Changs ^{8 Ch to $\frac{1}{4}$ S} over Lake 860 Lents to $\frac{1}{4}$ S at see 10.30

found a W 25 10 W 70 Lents see post 3 m

marked the same $\frac{1}{4}$ S 40 Lents S of post

26 on west on a line 100 to 40 Chang

to Corn see 3.4 9.10

5

T 140 N. R 28 W

Begin at $\frac{1}{4}$ on south $\frac{1}{2}$ bet sec
10-11 and run west on a $\frac{1}{4}$ line
to 7.30 W at 20 Chans found
a old stake marked $\frac{1}{4}$ S
on the East Bank of Cooper
Lake 40 S from $\frac{1}{4}$ S to water
and 24 thence turn a right angle
and run South to 7.30 to Boy Lake
about 5-00 change to East
Side House

Ben & Clark

Talley 26 1917

T140 of R 27 we 5 m

Begin at the $\frac{1}{4}$ S post bet
Sec 5 & 4 run North 20 change
to $\frac{1}{4}$ S at 7.30

thence run west on a $\frac{1}{16}$ line at 7.30
20 changes "

thence from 16. N. & 7 W 62 feet
thence to west 20

Begin at the $\frac{1}{4}$ S bet 4.6 run south
3983/2 to Sec 4.6. 8 x 9
thence run west on a line
Line at 7.30 =

thence run west on a line
line at 38.30 search for
corner but could not find same

9

June 14 1917

T 139 N. R 28 W 5 p Mts

Sec 3 Begin at the corner

3.4.910 and run East on a

Range Line $\pm 645 =$ corner

Township Road a corner corner

run East 40 Chens found corner

as all the timber was down and

Mutton then Begin at $\frac{1}{4}$ S corner

post in middle of Road and run

South $\pm 545 = 3917$ to corner

3.4.910

Set $\frac{1}{4}$ in Road and run East $\pm 645 = 20$ Chens set $\frac{1}{4}$ posta was pin $14 N. 50 E$ 170 $= 8 \quad 4 \quad 77 E$ 160 linksthen set $\frac{1}{4}$ S North $225 N$

June 18/1917

18

T 141 N. R 28 W 5 p. 66

Survey for Robert McClintock
Begin at a iron corner in township
Road corner of sec 28. 29 and
run north bet 28. 29 & 8

850 to corner sec 28. 29 20 21

426 east of corner good corner in edge
of pond too pine stumps one for 20 and 28

for pine 8-A. 77 c. 160 Links

for pine 14 N. 50 c. 170 =

then a set a iron post for $\frac{1}{4}$ 3 corner
bet 28. 29. 42. 26 Links.

and on the line 5 11

set $\frac{1}{16}$ 2 11 $\frac{1}{2}$ Links

and run out the North $\frac{1}{2}$ of
the South east $\frac{1}{4}$

Smith on June 20 1917 at noon
this land is first grade No 1

11

June 21

1917

Township 141 N. R. 28 or 5 E.

Began at the corner sec 32. 33. 28. 29

at a iron post in Township Road

and run east $510.30 =$

84.75 Chas. to Hole etc. on

west side of small Lake

then set flag on east side
of Lake and offset south 2 Chas.

4 3

9 10

9 10

16 15

2640

2716.5

2563.5

2538.4

446

1323

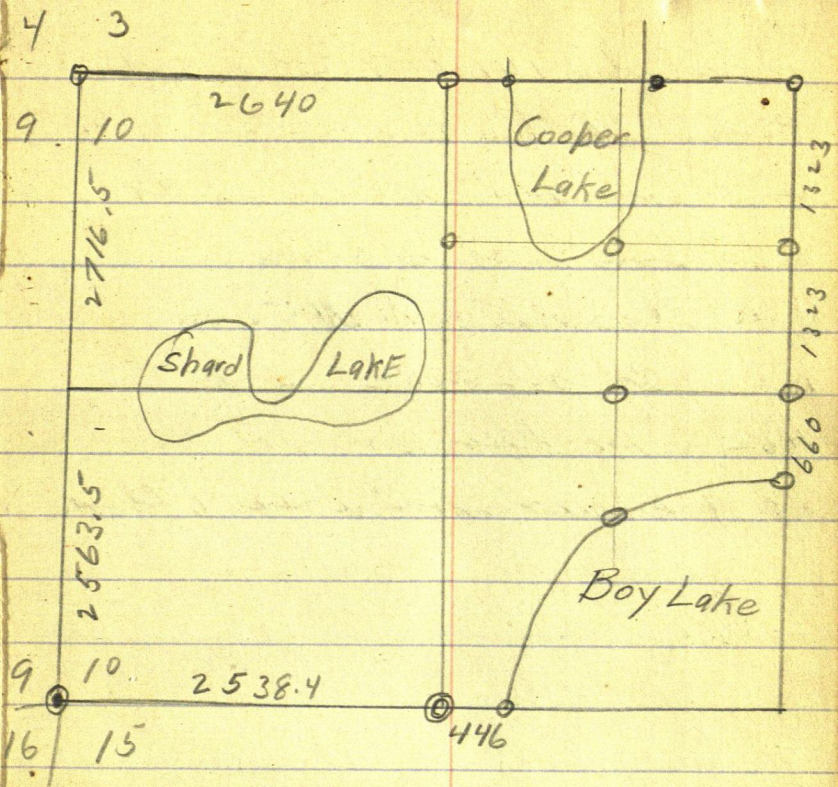
1323

660

Shard Lake

Cooper Lake

Boy Lake



13 June 22 1917

Township 141 N. R 28 W 5 E
Begin at the MC on Guel Lake
on North side but see 33.34
and run 89 39 E then set a
Hake then a North 3.5-6 Lente
to a small Lake in marsh
1153 over Sound
8191 to Hake on a High Bank
83.72 to Boxed Lake
2346 over Lake to MC on North
side of Lake
42 Lente East of MC on grass
a New Swamp 7 N 48 W 102

$$\begin{array}{r} 91 \\ 61 \\ \hline 172 \end{array}$$

359

14

15 Township 141 N. R 28. W 506

Umnish, 140 N. R 28 W 50 S
June 27 1917 387

Ben & Clark surveyor and
Geo Engelhart flag man
went to the corner 22.23

26.27 and found the
old witness tree a oak

8 in S 40 W 9 Lk

a oak string BT

5 N. 70 E 28 -

and made the flying witness
tree a white Birch tree

8 in N. 48 W 12 Ft 60 ^{or}

a white Birch ^{7 in} N. 25.30 E 30 F

thence set a Iron ^{and a small stake} Pyre 4 ft long

and set oak stake 4 in spurs

in root old witness tree and

marked the same BT for corner 27

and ^{found} a new line cut out

North of line corner 22 23.24 27

45 Ft N. and found new corner

EAST 67 ft marked with

387

a Led pencil 22 23 24 27
 Begin at the true corner of
 sec 22 23 24 27 a line post
 on North Bank of graded Lake
 thence run north bet 22 23
 to 715-

June 28 1917 Ben & Clark Survey
 Geo Engelhart

Floyd Showalter road
 from thence run north bet
 sec 22 23 at 160 old
 Rail^R grade running east and west
 at 745 F a old mound north
 to 45 EAST at 1100 F a Rem
 of Boy Lake NE & SW
 and place flag on North side
 of Lake and offset East 667 ft
 North to 25 East the distance is
 8.92.26 1/2 mi
 with 2 poles 560 ft

19 June 29 1917

387

at 16 ^{or} 608 ⁴⁴ Feet over arm of
Lake set Hob

T 140 N. R 28 W 5 p. elev

June 28 Bent Clark Subveyors

Geo Engilbert Road man

7 day of Shoveller =

Bay Rose at man

Begin 26 ^{or} feet North of MC

and see com to 22. 23. 26. 27 then

run North. 26. 40 Feet at Hob No 2

at 28. 70 Feet a Corn swamp

East and west at 30 78 over

same at 32. 43 Hob No 3

at 37. 36 Bay Lake set

Hob No 4

and search for MC cones

But Did not find any

the District is very High Land
Hight Hills

Redell Plat.

387

Friday July 6th 1917.

Survey to locate position of

Redell Plat in Govt. Lots 6+7

Sec 22 T. 140 Rge 28.

E.B. Horst. transit & chain.

Ben Clark. Compass & Chain.

Geo. Englehart. chain and axe.

Lee & Roy Rose axemen.

Begin at M.C. No. 1. being a 1/30 1/4 Cor

between Sees. 13+24 T. 140 R 28

previously located by Clark

U.S. Notes call for. post and

Elm 7 S. 16° E. 117 = 77.22 Ft

Which is still green & standing

We set a 4"x4"x5' Ash post. Var. 7° 15'

and remark old B.T.

With transit at 1/4 cor we run

W at 7° 20' Variation. (Cor sets in

open bog about 80 Ft. S. of lake

Mc. Cortney)

E.B. Horst.

547.0 Ft.W. Leave open bag.
 611.5 " " Set wood Hub & tack
 700.0 " " ent. swamp.
 975.0 " " leave "
 1381.4 " " Set wood Hub & tack
 1500.0 " " enter Tam swamp.
 2607.0 " " leave " "
 2640.0 " " Set wood Hub & tack
 2735.2 " " " " " "
 3050.0 " " enter Tam. swamp
 3385.0 " " leave " "
 3487.3 " " Set wood Hub & tack
 E.B. Horst.

387

Saturday July 7, 1917.

Horst & same crew with another
axeman viz. (Floyd Showalter)

continue W. without chaining

3680.0 Ft. W. enter swamp

3881.0 " " leave "

4340.0 " " enter "

4430.0 " " leave "

4787.7 " " Set wood Hub & tack

5171.0 " " " " " "

266.0 " " at this Hub we

intersect Boy Lake. high bluff
banks shore line. N 70° E.From Hub 5171.0 W turn 90°
angle & run S.

5337.7 Ft. S. set wood Hub & tack

6531.0 " " " " " "

and turn 90° angle run W.

E.B. Horst.

387

Sunday July 8th. 1917.

I drive to Hackensack to
notify John Greene that we
cannot finish the survey before
County Commissioners meet
July. 10. I see C.D. Bacon in
Hack'k and send notice with
him (saved toll)

E. B. Horst.

sight

← to red flag at M.C. 34 across lake

1990

29.

Hdb 5171.0 W

S. 13

14
—
Cat

Cap

S. 24

900

90.

Hub 6531.0

Monday. July. 9th, 1917.

Horst & same crew continue W.
from Hub 6531.0

6860.7 Ft. W. set wood Hub + tack

7663.2 " " " " " "

7910.0 " " enter swamp

8040.0 " " leave " "

8594.0 " " set wood Hub + tack

8747.1 " " " " " "

8958.2 " " " " " "

turn Left and run across pt. of
Bay lake. shallow water

S.E. angle = $144^{\circ}58'$

we wade lake & chain. dist =

245.2 ft. intersect Hub set

by Clark and Greene on a

random line run N between

secs 22 + 23. Marked 3736.0 Ft. N.

= sta 9203.4 on our line.

S.E. angle = $124^{\circ}11'$

387

from this Hub I sight N to M.C.

No 34 N.E. angle to N.E. line =

$54^{\circ}25'$

I run S over clarks random line

sta 11171.4 set angle Hub to get
around pt of lake

[turn S $58^{\circ}04'$ E 292.4 Ft.

thence S $1^{\circ}21'$ W 291.1 Ft.

" S $42^{\circ}19'$ W 378.8 Ft

distance across lake between
angle Hubs = 725.8 Ft.]

11265.8 intersect N. bank of lake

11855.2 " S. " " "

11897.2 angle Hub. I sight N
on clarks line and turn 90°
angle run W.

12181.0 set wood Hub + tack.

12620.1 " " " "

turn S $18^{\circ}55'$ to miss lake

about 250 Ft. to lake.

27

140+28

387



13046.9 set Hub on cut bank
E. of grade

13112.3 set Hub on grade 6 Ft
W. of center,

[assuming Random line between
secs 13+24 and 14+23 to be true
E+W]

Thence ^{on grade.} N 52° 57' W. 407.3 Ft Hub

" N 41° 45' W. 357.6 "

" N 37° 05' W 602.4 "

" N 50° 18' W 490.2 "

" N 59° 35' W 405.4 "

" N 40° 41' W 215.2 "

" N 23° 15' W 237.0 "

" N 4° 38' W 217.4 "

" N 12° 00' E 509.1 "

" N 1° 02' E 284.7 "

" N 8° 02' W 1485.7 "

Sec line between secs 15+22.



7 Ft. W. of cent of grade

6 " " " "

6 " E " "

7 " E " "

5 " W " " 149 to 219.5 Bridge

in center of grade on random
55.6 Ft E of grade a Hub set with

29

140-28.

387

transit from E side of lake.

60 Ft. E. = W. Bank of Boy lake.

S.E. Angle of grade to random

line = $81^{\circ}55'$.

387.

Tues + Wed. July 10th. + 11th. 1917

Horst and same crew,

I set + transit on Hub in center of grade

on random Sec line back sight E on

Hub E. of Bay lake and continue

random line W. Hub on grade =

Station 0.00 Ft W.

10.0 Ft. W. enter swamp.

122.0 " " leave "

265.2 " " Set Hub + tack.

578.7 " " " " " =

Hub A. I turn 90° N 113.5 Ft set

Hub B. and send a man W. of

lake and set Hub C. angle from

A. to C. = $80^{\circ}09'$. dist across

lake = 653.7 Ft. C = 1232.4 W.

1300.0 Ft W enter swamp

1850.0 " " leave "

2144.0 " " Set Hub + tack.

2451.0 " " " " " "

31

140.28

387

2700.0 Ft. W. enter swamp.
 3267.0 " " leave "
 4147.7 " " set Hub & tack.
 4862.0 " " " " "
 5137.7 " " " " "
 5392.5 " " " " "
 5594.3 " " " " "
 5987.6 " " " " "
 6348.1 " " " " "
 7877.5 " " " " "
 8174.2 " " " " "
 42 N. to Greene Line
 43.5 N. Sta. 9,2358, E. of M.C.

= Hub A cause Hub B. to be
 set on line W. of lake. I walk
 to Hub B. backsight on A
 turn 90° Chain N 437.3 Ft. set Hub
 C. angle A. to B. = $74^{\circ} 11'$
 Dist. across lake = 1543.7 Ft.
 C = 9717.9 Ft. W.
 9926.2 Ft. W. set Hub & tack

387

10400.7 Ft. W. Hub + tack

10512.0 " " " " U.S.

M.C. No 63 sets S. $38^{\circ}41'$ W. 71.4 Ft

at sta. 10556.6 W M.C. sets S. 55.7 Ft.

A $2\frac{1}{2} \times 48$ " I.M. for Wit. Cor. sets E. of
M.C. 25.8 Ft.All Gov't corners from $\frac{1}{4}$ cor
W. to above M.C. are obliterated.Note, Roy & Lee, Rose and
Floyd Showalter do not work
Wed July 11th.

7877

10556.6

8.10

7421

3135.6

5.00

4586

7421.0

21.00

14.00

80.00

8174.2

2350

10532.2

25.8

10558.0

387

Thursday, July, 12th, 1917.

Horst, transit + chain.

Ben Clark flag + chain.

Roy Rose axe.

Re chain Random line run N
bet. secs 22 + 23 by Ben Clark.Bogus Cor. made by Kibbey
engineering service Co. setsN $56^{\circ}12'$ E 80.8 Ft from true

Cor. to Secs 22-23-26-27

2. U.S. B.T.s still present.

Chain Non Clarks line

160 Ft N old R.R. grade

696.1 " " Hub

1046.8 angle Hub S of small

lake dist. across lake =

725.8 Ft

1772.6 Ft N. angle Hub N of lake

3751.2 " " Hub on S shore of

Boy lake

387

Kibbey eng. cons line at
Sta. 45.0 N is E 67.1 ft

" 1046.8 N is E. 51.7 ft.

" 1772.6 " " E. 57.7 ft.

" 3751.2 " " E.

These measurements taken from
cut out line as there are no Hubs
or points to check on.

John M. Greene arrives at Longville

E B Most.

Friday July. 13th. 1917

E. B. Horst at Longville
Hotel all day. Computing
Latitudes & departures
on Redell survey

E. B. Horst

{ Greene takes Clark to
Wabedo

{ George Inglehart works
on Twp line S. of Longville

140-28

56

1387

Saturday July 14. 1917

E.B. Horst. transit. + chain

George Inglehart. Chain + flag.

Roy Rose. axe

Lee Rose. "

Begin at Hub 1772.6 N on random
between Sees 22 + 23

Set a Hub 11.13 Ft. W. on true line
a wood stake (Called I.M. on Plat)
being S.E. corner of Redell Plat
sets S $34^{\circ} 16'$ E 62.5 Ft from Hub on true line
and 48 Ft N. of lake.

We run true line N. to lake. Check
on random Hubs for line.

On S. bank of Boy lake 20 Ft
from water I set a $3 \times 3 \times 36"$
Pop post for M.C.

With bearings as follows

B. Ash. 12. S $0^{\circ} 40'$ W. 6.5 Ft.

Popple 5. N $52^{\circ} 30'$ W. 7.3 Ft.

140-28
 Plat ties
 387.

With transit. over M.C.
 I sight to S.E. Cor of Sublot A
 = S $69^{\circ}30'$ W. 136.8 Ft

transit on S.E. Cor Sublot A
 Sight to M.C. N.W. angle =
 $129^{\circ}22'$.

Beginning at M.C. we chain
 S on true line

240.0 leave swamp

485.0 Hub

645.0 ent. swamp

860.0 leave "

1082.7 Hub

1440.8 intersect S line of

Redell Road S.W. angle = $89^{\circ}52'$

N.E. Cor of Block 1. E 37.0 Ft.
 1523.5 Hub

1805.3 "

1968.0 Hub = also Hub

1772.4 N of sec. Cor.

Completed. E.B. Hart.

Time Sheet. Redell Survey.

	6	7	8	9	10	11	12	13	14
1917-July-									
E. B. Horst.	1	1		1	1	1	1	1	1
Ben Clark	1	1		1	1	1	1		
George Ingelhart	1	1		1	1	1	0	0	1
Roy Rose	1	1		1	1	0	1	0	1
Lee Rose	1	1		1	1	0	0	0	1
Floyd Showalter	1	1		1	1	0	0	0	0

Horst's Ford travels 196 miles on this survey

387

29

Redell Survey

387

Course	Distance	cos.	sine
W.	5171	E of A.P.	
S.	1360	S of A.P.	
W.	2429.2	W. from A.P.	
S 54° 58' W.	245.2	.57405	.81882
S. 0° 51' E.	2704.4	.99989	.01483
S 89° 09' W.	722.9	.01483	.99989
S 70° 14' W.	492.2	.33819	.94108
N 52° 57' W.	407.3	.60251	.79811
N 41° 45' W.	357.6	.74606	.66588
N 37° 05' W.	602.4	.79776	.60298
N. 50° 18' W.	490.2	.63877	.76940
N. 59° 35' W.	405.4	.50628	.86237
N. 40° 41' W.	215.2	.75832	.65188
N. 23° 15' W.	237.0	.91879	.39474
N. 4° 38' W.	217.4	.99673	.08078
N. 12° 00' E.	509.1	.97815	.20791
N 1° 02' E.	284.7	.99984	.01803
N 8° 02' W.	1485.7	.99019	.13975
W	10556.6	0.0.	W of

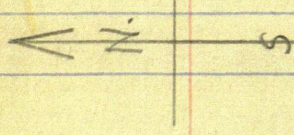
Latitudes + Departures ⁴⁰

387

N.	S.	E.	W.
			5171.0
	1360.0		
			2427.20
	140.76		200.77
	2704.10	40.1	
	10.72		722.82
	166.86		468.20
245.40			825.07
238.12			161.79
480.57			368.24
313.13			377.16
205.25			329.60
163.19			140.28
217.75			93.55
216.69			17.56
497.98		1037.85	
284.65		5.13	
1471.13			207.63
grade.			10556.6
		157.08	21557.67

Pos. of con. to E. & W.
13.554. 45° Ft.

Random



7852.15 W

Line

Pl. 7819.17 W.

57171

13 1/4
24

3751.2 N goes W. 23.576

Boy Lake

true line, Pl. 7852.15 W.

387.

cor = 0062 f 33. W. per. F.N.
Tan-22'

22 23
27 26

Woman on Lake

M.C. #1 to M.C. #63 = 328.38 ch

Total Dis = 21406

/chain U.S. = 65.19 26076

17 + 20 = 3135.64 65.19

16 + 21 = 5215.20 40
260760

15 + 22 = 5215.20

14 + 23 = 5233.50

w. Half

13 + 24 = 2607.6

Total = 21407.1

13554.45

7852.15

21406.6

6527

40

261080

12028 ^{65.27} 7852.15

72168

63535

60140

33950

24056

88940

Tuesday, Feb. 26, 1918.
E.B. Horst working for
Cass County leaves
Walker on 12-37 A.M. train
for Backus. at Backus
Hotel for night + breakfast
charges \$1.25 - P.R. fare .48¢
I hire Bartholomew's livery
to take me to John Hamilton
farm near Pontreia where
we have dinner .75¢.

I set $\frac{1}{4}$ corner from old B.T.
J. Pine. $5^{\circ} 5.32' W. 98 = 64.68 ft.$
which is still standing and
plainly marked. The N.E.
tree is gone. I drive a 1" x
32" steel shaft at corner.

No trees near for bearings
I return to Glen Smith's
E.B. Horst.

Wed. Feb. 27. 1918.

E.B. Horst. at Glen Smiths.

I begin survey of a county
road to begin at corner of section
17-18-19-20 ¹³⁹⁻²⁹ and run E. $1\frac{1}{2}$ miles

Beginning at corner of 17-18-19-20
established by J. W. Curo
which we locate from his
bearing tree J. P. $6556^{\circ}18'E$ 82.02'

We set an 8 inch bolt for corner
and mark J. Pine $N 73^{\circ}45' W$ 193'

Telephone pole S. $62^{\circ}03' W$ 57.8 ft.

We run E over part of Curo's
random line running N. of it
at 700 ft E

at 200 ft E enter marsh

" 600 " E leave same

" 697.5 E set 6" spike

" 1719.6 E set spike

" 1824.7 M.C. No. 43 established

by J. W. Curo sets N. 20 ft
We continue E across point
of lake

at 2206.0 ft E leave lake

" 2358.5 set spike

" 2628.0 look for $\frac{1}{4}$ corner
and bearing trees all around
and we continue E.

at 3425.4 set spike

" 4485.3 " "

" 4700.0 enter lake

" 5300.0 set spike on lake

30 ft S. of a large fence post

We go N. to 1 M. at $\frac{1}{4}$ cor. bet.
secs 16 & 17 and chain S. on
road

at 685.0 ft S old road leave S.W.

" 1144.0 grade across sluw
bears W.

" 2200.0 S enter bog.

44

" 1070 leave same

11 26 01. a point 20 ft N. of

E. B. Forst.

① $\frac{1}{4}$

17 24 16

5259.2

2641.8 $\frac{1}{4}$

A hand-drawn diagram of a pear-shaped object, possibly a fruit or a piece of wood, with several measurements and labels. The object is oriented vertically. At the top, there is a small loop or stem. The main body is wider at the bottom and tapers towards the top. The following measurements and labels are present:

- Top right: 26
- Top left: 17 1/2
- Top center: 34'
- Left side: 20
- Right side: 21
- Bottom center: 26 4 1/2

1/4

Thursday, Feb. 28, 1918.

EB Horst & Glen Smith.

walk to $\frac{1}{4}$ corner bet. sec's

20 & 21 where we find old

U.S. B.T. ^{smg} still standing on

⁴⁰⁰ J. Pine. S & 16° W 22 lbs also

a J. Pine nearly due W. senes
and green to which I did not
take the distance.

I find a fence post at true $\frac{1}{4}$
corner established by Hicks.

We chain N. at 600 enter lake
at 2638 in line with E & W
fence. True section corner

of 16-17-20-21 sets in lake

at sta. 5239.2 E. 2641.8 W.

2649.5 N. and 2649.5 S.

I mark fence post.

N 89° E 71 ft and fence post

N 30° E 150 ft.

500

at sta 5259.2 true sec corner
sets 17.5 ft N of random line
at sta 4900.0 E of chain
N 17.9 ft and set stake
on true sec line for M.C.
No. 41.

at a point on the true sec.
line between sections 17+20
610.7 ft West of the section
corner of 16-17-20-21 we run
N. $57^{\circ}40'E$ 557 ft thence:

S. $58^{\circ}35'E$ 223 ft thence

S. $24^{\circ}45'E$ 196 ft to a
point 127.3 ft E of the section
corner. This being the centre
line of road around lake
correcting back

at sta 2629.6 ft E. I set stake
for 44 cor. between 17-20 on
true line with following

bearings:

W. Oak S. N. 25° E. 46.5 ft

N. Pine stump. 12. S 45° E. 47.5 ft

at sta 2237.0 set M.C. No. 42.

at sta 1824.8 M.C. 43 set by
Curo.

at sta. 1719.6 and 697.5 E
set road centres on true
sic line.

I hire Glen Smith with
team to take me to Backus
and I return to Walker
R.R. fare 48¢

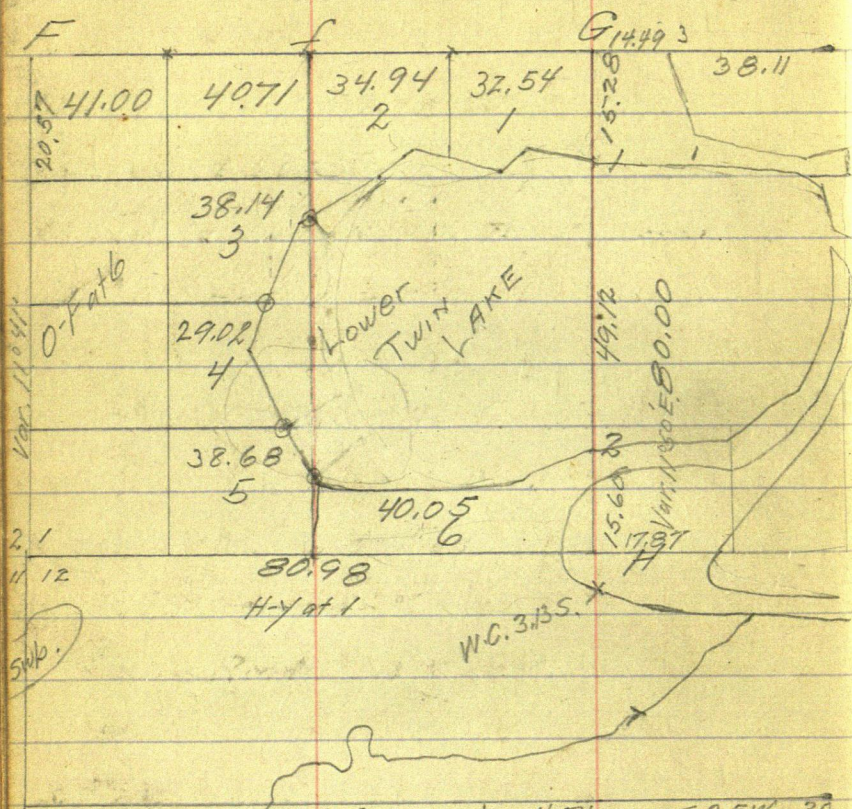
E. B. Horst.

700 words

15

\$ 1.05

Copy of U.S. Plat
138-35 Wadena County



P. Pine 8 S. 56° E 3	
E. " " 8 N. 5° E. 17	
" " 6 N. 32° W. 26	
" " 6 S. 45° W 46	
Pine 12 S. 10° W 47	
E. " 10 N. 45° W 12	
Pine 12 S. 67° W. 11	
F. " 10 S. 86° E. 14	
" 12 N. 79° E. 20	
" 12 N. 16° W 23	
P. Pine 10 S. 59° E. 29	
f. " " 8 N. 53° W. 26	

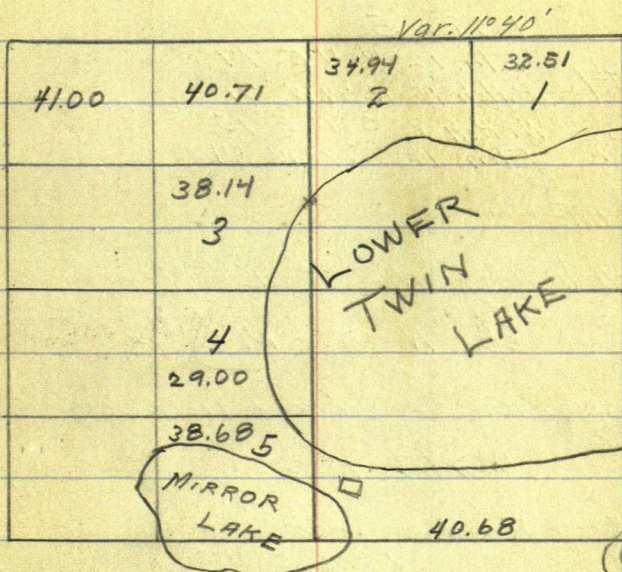
N. Pine 14 S. 25° W. 30	
G. P. " 10 N. 74° W. 10	
P. " 6 N. 17° E. 43	
P. " 8 S. 60° E 97	
g. Lake	
Wit. Cor. South 3.13	
H. Elm. 14 S. 9° W. 26	
W. Oak 12 S. 60° E. 33	

Robert Malchow

4 Lots 1-2 & N.E. 1/4 - N.W. 1/4

5.35

Sec. 1 - 138-35



P. Pine 7 N. 25° E. 47

H-Y at 1 " " 8 S. 75° E. 71

P. Pine 9 S. 20° E. 201

1-2-11-12 " " 11 S. 28° E. 62

" " 10 S. 68° W. 80

" " 8 N. 60° E. 267

P. Pine 12 S. 30° W. 10

O-F at 6 " " 8 N. 55° E. 39

" " 22 N. 15° E. 117

" " 13 S. 47° E. 20

" " 13 S. 47° E. 20

204
204
224

77
46
46
50.8

71
6
426
426
46.8

3.13
6
1878
1878
2065.8

138-34

M.C.#3 Post

M.C.#4 Oak 3 S. 78° W 88

138-35

M.C.#1 Elm 12 N. 77 E 77 50.8
B. Ash 10 N. 79 W. 71 Correct 46.9
W. Ash 8 S. 86 E 15 9.9
M.C.#2 Elm 12 S. 88 W. 34 22.4

New B.Ts

Ash 10" N. E 47 ft.

Oak 8" N. W. 23 ft.

Sta. 0 = M.C. on East line

0+18' Iron pipe 1"

5+15 Road center

1008.5 U.S.

10+7.8' Town Cor. 8" X 8" Conc.

M.C.
x 831.5

x S.W. 89° 11'

1/4 Line - North

O = Sta 0

4+15 1" Oak Hub

7+18 Road Center

2201 picket

2577 " S. of Road

2621.5' 1/4 S

15.28
976.68
 1000.48

2621.5

54

Surveyors Record B

Sec. 2-138-35

* Well Point

2611'

Sec. 2

* Iron Pipe & Cedar Post

2688
 2723

5411

Sec. 1

2674.3
 2733.5
5407.8

actual
 2733.5

Survey by Dean

1389

* Cedar Post

1325

* Well Point

67.2
 4

2688

67.12

40.57

46984

33560

268480

2723.0584

2690
 2714
5404.5

actual
 2674.3

2638

2690

* Well Point

67.12

* Well point

80.57

5407.8

48342

57360

56399

9610

8057

15530

13424

Dis 80.98 = 5344" 624.6

Sta. 0 South Line running East

6+60.6 Hub. W.C. to Sec. Cor = 0

7+79.5 " N. $70^{\circ}31'$ W.
 $20^{\circ}33'$

9+35 " 91 04

13+43.2 " S. $88^{\circ}56'$ W. R. Line
 $51^{\circ}58'$
14 0°54

3321.615 + 14" Hub. N. of R. Line

3025.0

2697 21+40.5 "

3321.6 2140.5
2697 1518
624.6 626.5

21+42 Long pole 9'

2243.2 Hub set by Miller

26+40 Hub set by us

2172.5 26 66.5 Wire fence

0 1940 End of field.

W.C. to Sec. Cor. is wooden stake.

Oak B.T. Lying down, Elm gone

2 new B.T.s but not scribed, and
wood stake.

North Line running west.

Sta. 0 = Town Cor.

1320 Hub

2640 " 2624 1/4 5 - Jack Pine

3960 " 3936 1/16 5. Hub. not lined.

5248. Sec. Cor. 32 ft. Short

Walker to Park Rapids

Park Rapids to Menahga

Menahga to Wadena Mileage 10⁰⁰Wadena to Menahga Time 30⁰⁰Menahga to Walker Total 40⁰⁰

Traverse

3338

519

30042

3338

16690

173242

206.6

33.4

N. 70° 31' W. 518.8'

N. 39° 06' W. 486.5'

N. 2° 50' W. 232.4'

N. 11° 24' E. 239.1'

N. 34° 55' E. 145.05'

N. 74° 44' E. 380.1' 100' to ditch

N. 84° 47' E. 311.0'

N. 5° 16' E to M.C. #1

N. 0° 04' W. Sec. Line to M.C. #1

N. 65° 37' W. to N. Post at Cent.

3321.6

1514.0

489.3

5324.9 = Length of South Line

643' N. 1° 22' E. to Pole on Mirror Lake

2662.45 = 1/4 S

N. 65° 37' W. South

N. 4° 07' E.

S. 64° 39' E. North

0° 58' = Diff.

East Line

S. $0^{\circ}49'W.$ 1007.8'

S. $1^{\circ}00'W$ across Lake M.C.#1 to M.C.#2

S. $1^{\circ}00'W$ 1047.6' to S.E. Cor.

2621.5

172.2

2793.7

02327

195559

55874

83811

55874

65,009399

65,

54

11 from Hub

2621.5

567.6

3189.1-4

02327-6

223237

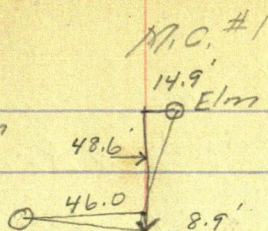
63782

95673

63782

74210357

West Line

2674.3 to ^{Iron Pin} Hvb

Set temp hubs E+W. of 1345'

S.E. $\times$ at W. $\frac{1}{4}$ = $90^{\circ}32'$ = N $1^{\circ}40'$ E.1336.5 I.P. on $\frac{1}{4}$ Line R.

1322.9

S. $88^{\circ}52'$ E

172.2'

N. $18^{\circ}18'$ E. to N. & S. $\frac{1}{4}$ LineN. & S. $\frac{1}{4}$ Line computedN. $1^{\circ}22'$ E. Cor. N. $12.4'$

88°52'

0

N. & S. 1/4 Line Random
continued for Bill Kraft.

Sta. O = 3" J.P. post & Left $10^{\circ}05'$
S. $10^{\circ}05'E$.

Sta. A.
Sta. 1+22.3 Hub. 10' from shore-bank

N. $56^{\circ}07'E$ to M.C. #1

S. $58^{\circ}12'E$ to M.C. #2.

Sta. B.
Sta. 5+76.7 Hub. on beach 7' from bank

N. $48^{\circ}57'E$ to M.C. #1

S. $65^{\circ}24'E$ to M.C. #2.

Sta. B. to post

80.6 N. $36^{\circ}42'W$ to N. post entrance

Sta. B. - Sta. C. S. $8^{\circ}52'E$ 252.9'

Ent. Post to M.C. #2 S. $64^{\circ}39'E$

Sta. C. - Sta. D. S. $28^{\circ}19'E$ 286.1'

N. $45^{\circ}24'E$ to M.C. #1

D-E. S. $34^{\circ}57'E$ 269.6'

E-F S. $49^{\circ}05'E$ 223.7' check
239.7'
120' to Cabin 182 Hub.

S. $16^{\circ}13'W$.

2243.2

60

489.3

2732.5

2662.4

70.1

576.7 - 7.3

17508.3

98455

122556

105048

122556

87540

100968636

S. 10°05' E. 576.7

S. 8°52' E. 252.9

S. 28°19' E. 286.1

S. 34°57' E. 269.6

223.7

S. 49°05' E. 233.7

S. 16°13' W. 700.0

630.0 to Hub

S. 53°47' W. (511.2 to point computed)

S. 5°07' W. to 1/4 S. Random Cor. 294.9

Exactly 1°00' Diff. with bearings

assumed on S. Line S. R. Line S. 89°56' W

S. 88°56' W - S. 4°07' W

4°07

X 84°49

5°07

89°56

16

S. 89°40' W = T. L.

Boffset S - 290' to Mirror Lake

C. - West 120' Mirror Lake G-Drift

East 65' Twin Lake 12' Road

D - West 40' Mirror Lake

East 60' Twin Lake 5' Road
45° slope

E - West 60' Mirror Lake

Level 10' 45° slope

East 60' Twin Lake 5' Road

F - East 50' Steep bank

West 170' Bisector.

F → 120' cabin

G → 120' west to Mirror.

Sta O - 65 East to Twin Lake

53.32
32
2

Corr. 0032'

Aug. 8-1932

62

John M. Greene
Robert Malchow

Traverse Sta. A. to M.C. #1

Setup at A.

S. 58°12'E ✓

S. M.C.

250' N. 18°43'E.

N. 56°08'E.

N. M.C.

27°27'

166.7' N. 26°55'E

576.5' S. 10°05'E

to B

+ 505 sq. ft. L.S. 15 out

371.6' N. 53°34'E.

96.4' S. 63°41'W

to hub E. & W

S. 44°10'E to S.M.C.
N. 61°28'E " N.M.C.

1/4 Random

L.S. 10' in.

S. 38°48'E S.M.C. B

280.6' N. 57°41'E.

408.5' N. 62°45'E.

S. 30°52'E S.M.C.

N. 61°50'E N.M.C.

468.2' N. 60°23'E

S. 21°40'E S.M.C.

N. 62°23'E N.M.C.

201.2' N. 51°20'E

N. 65°28'E N.M.C.

S. 17°59'E S.M.C.

237.6' N. 59°10'E

S. 13°09'E S.M.C.

N. 66°0'E S.M.C.

521' N. 57°37'E.

200 ft. land, 300 out 15

400 out 20, 500 edge Sand.

N. 79°40'E to N.M.C.

150. Out 2' from sand edge

160. " 3' " " "

260. " 4' " " "

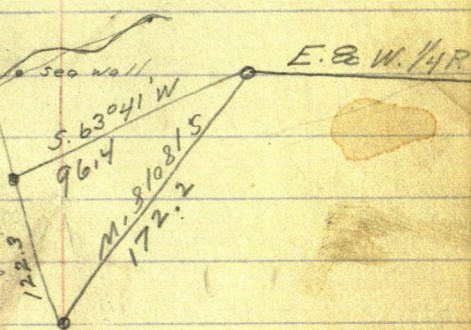
312 to N.M.C.

S. 5°05'E to S.M.C.

S. 0°20'W. to S.M.C.

N. 0°15'E.

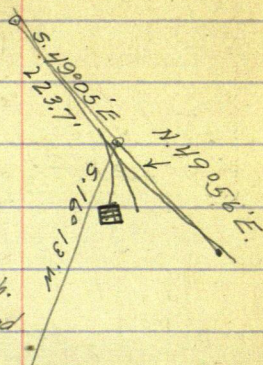
N. & S. 1/4 Ran.



Aug. 9 - 1932

Traverse S.E. from
Goodman's old cabin to S.M.C.

S. 49° 56' E	125.3'
Past old Ice House	
S. 80° 15' E	214.7'
Past dug out	
S. 67° 23' E or 24	165.3'
Past 4 big Norways	
S. 75° 07' E	242.1'
157.9 Hub 44.7 to hub.	
S. 71° 25' E.	to point on old road
180.1'	
N. 88° 48' E	to point on old road.
N. 75° 49' E	385.1'
N. 85° 53' E	311.0' to S.M.C.

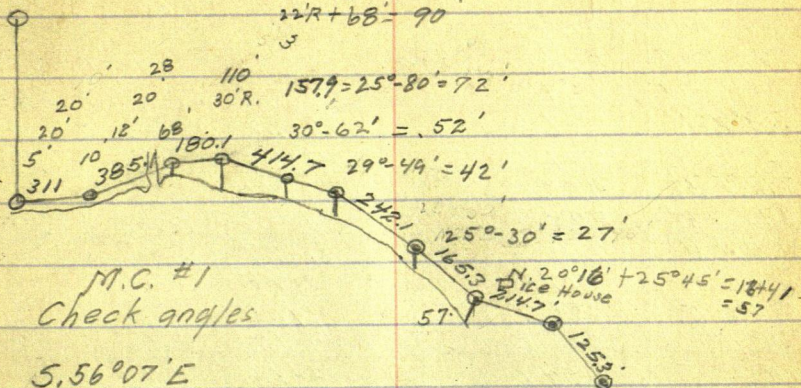


Robert Malchow
1501 Sargent Ave.

64

M.C.

$$\begin{aligned} 22' + \cos 76' \\ 25' - 76' \\ 22'R + 68' = 90' \\ 3 \end{aligned}$$



M.C. #1
Check angles

S. 56°07'E

S. 48°56'E

S. 0°56'W

N. 0°54'E

S. 80°16'E

N. 85°53'E

$$\begin{array}{r} 84^{\circ}47' \\ \hline 1006 \end{array}$$

$$\begin{array}{r} 1006 \\ N. 0^{\circ}04'W \\ \hline S. 0^{\circ}02'E \end{array}$$

Traverse N.E. Cor. to W.C. S.E. Cor. 1000.00

		N	S	E	W.
S. 0°54'W	1007.8				15.8
S. 80°12'W	312.0		53.1		307.5
S. 58°09'W	521.0		274.9		445.7
S. 59°42'W.	237.6		119.8		205.1
S. 51°52'W	201.2		124.2		158.3
S. 60°55'W.	468.2		227.6		409.2
S. 63°17'W	408.5		183.6		364.8
S. 58°13'W	280.6		147.7		238.5
S. 54°06'W	371.6		217.8		301.0
S. 27°27'W	166.7		147.8		76.9
S. 18°43'W	250.0		236.8		80.2
S. 10°05'E	454.2		447.2	79.5	
S. 8°52'E.	252.9		249.9	38.9	
S. 28°19'E.	286.1		251.9	135.6	
S. 34°57'E	269.6		221.0	154.5	
S. 49°05'E.	223.7		146.5	169.0	
S. 49°56'E.	125.3		80.7	95.8	
S. 80°15'E	214.7		36.4	211.6	
S. 67°23'E.	165.3		63.6	152.9	
S. 75°07'E.	242.1		62.2	234.0	
S. 71°25'E	414.7		132.2	393.1	
N. 88°48'E.	180.1	3.7		180.1	
N. 75°49'E	385.1	94.3		373.4	
N. 85°53'E.	311.0	22.3		310.2	
S. 85°40'W	311.0		22.3		310.2
S. 75°37'W	380.1		92.4		368.2
S. 35°48'W	145.1		117.7		84.8
S. 12°17'W	239.1		233.6		50.8
S. 1°57'E	232.4		232.4	7.9	
S. 38°13'E	486.5		382.3	301.0	
S. 69°38'E	518.0		180.6	486.5	
N. 0°51'E	206.6	206.6		3.0	
N. 0°51'E	1054.7	1054.7		15.5	

00 + 0.0 of Co-ordinates = S.W. Cor. 66

N	E	
6407.8	5405.5	N.E. Cor.
5400.0	5389.7	N.M.C.
5346.9	5082.2	
5072.0	4636.5	
4952.2	4431.4	
4828.0	4273.1	
4600.4	3863.9	
4416.8	3499.1	
4269.1	3260.6	
4051.3	2959.6	
3903.5	2882.7	
3666.7	2802.5	Sta. A.
3219.5	2882.0	B
2969.6	2920.9	C
2717.7	3056.5	D
2496.7	3211.0	E
2350.2	3380.0	F
2269.5	3475.8	
2233.1	3687.4	
2169.5	3840.3	
2107.3	4074.3	
1975.1	4467.4	
1978.8	4647.5	
2073.1	5020.9	
2095.4	5331.1	Temp. S.M.C.
2073.1	5020.9	
1980.7	4652.7	
1863.0	4567.9	
1629.4	4517.1	
1397.0	4525.0	
1014.7	4826.0	Sta 48135
834.1	5312.5	W.C.S.E. Cor.
1040.7	5315.5	S.E. Cor.
2095.4	5331.0	T.S.M.C.

		N.	S	E	W
N. 10°05'W	122.3	120.5			21.4
North	2621.5	2621.5			
East	2624.0			2624.0	
N. 10°05'W	122.3	120.5			21.4
S. 18°18'W	172.2		163.5		54.0
N. 88°52'W	2659.4	52.5			2659.4
N. 10°40'E	2733.5	2733.5		79.6	
East	2634			2634.0	
S. 1°40'W	2674.3		2674.3		77.7
N. 89°51'E	2662.4	7.0		2662.4	
N. 5°07'E	294.9	293.7		26.2	
N. 53°47'E	630.0	372.2		508.3	
N. 16°13'E	700.0	672.1		195.5	
S. 89°51'W	2173.1		5.7		2173.1
N. 89°35'E	2662.4		19.4	2662.4	
N. 89°35'E	2173.1		15.8	2173.1	
N. 89°35'E	489.5		3.6	489.5	

N E

3666.7	2802.5	Sta. A
3787.2	2781.1	
6408.7	2781.1	N. 1/4 Cor.
6408.7	5405.1	N.E. Cor.
6407.8	5405.5	See p. 66
3666.7	2802.5	Sta. A
3787.2	2781.1	
3623.7	2727.1	
3676.2	67.7	W. 1/4 C.
6409.7	147.3	N.W. Cor.
6409.7	2781.3	N. 1/4 Cor.
3676.2	67.7	W. 1/4 Cor.
1001.9	-10.0	S.W. C.
1008.9	2652.4	R.S. 1/4 C.
1302.6	2678.6	H
1679.8	3186.9	G
2346.9	3382.4	F
1014.7	4826.0	Sta 4835
1009.0	2652.9	R.S. 1/4 C.
1021.3	2652.4	T.S. 1/4 C.
1037.1	4826.0	T 4835
1040.7	5315.5	S.E. Cor.

		N	S	E	W
North	1029.6	1029.6			
S. 60 W	726.0		363.0		628.7
S. 80 W	990.0		171.8		974.9
N. 76 W	1056.0	255.5			1024.6
N. 20 W	1485.0	1395.5			507.9
N. 15 E	1155.0	1115.6		298.9	
N. 40 E	726.0	556.1		466.8	
N. 52 E	825.0	507.9		650.1	
S. 70 E	858.0		293.4	806.2	
N. 51 E	462.0	290.8		359.1	
East	495.0			495.0	
North	1008.5	1008.5			
		6159.5	828.2	3076.1	3136.1
		828.2	5331.3	60.0	3076.1
S. 0° 38' W		5331.3			60.0

N. 0° 10' E

West

S. 0° 0' W

S. 89° 34' E

N S E W

North	15.6	15.60		
S. 60° W	11.0		5.50	9.53
S. 80° W	15.0		2.60	14.78
N. 76° W	16.0	3.87		15.52
N. 20° W	22.5	21.14		7.70
N. 15° E	17.5	16.90		4.53
N. 40° E	11.0	8.43		7.07
N. 52° E	12.5	7.70		9.85
S. 70° E	13.0		4.45	12.22
N. 51° E	7.0	4.41		5.44
East	7.5			7.50
North	15.28	15.28		
		93.33	12.55	46.61
		12.55		47.52
		80.78		46.61
				0.91
89° 53' W	80.00			80.00
5.0° 03' W	40.57		40.57	
5.0° 03' W	40.00		40.00	
East	40.49			40.49
East	40.49			40.49
		80.78	80.57	80.98
				80.91

E.B. Millers Notes

10/16/28

E.B. Miller T
V. Evans - Flag, chain, Axe
R.J. Hiit - Axe
W.C. Craft - Axe
H.E. Seibert - chain

S.

2676.9 R.E. to $\frac{1}{4}$ Cor. Missed 25.3 Ran. North

2601.4

2142.8

1813.1

1516.1

1345.2

1150.4

935.9

780.4

661.6

506.0

247.7

0 Var. 9006 S.W. Cor. Sec. 1

2674.7 $\frac{1}{4}$ hit on head

2650.0

2600

1400.1

1337.35 $\frac{1}{16}$ Cor.

1300.2

244.2

0 Var 7020' S.W. Cor. Sec. 1

2734 R.L.s to Sec. Cor. missed 12.5 to West

2282.6

1900

1348.1 $\frac{1}{16}$ Goes 6.1" East

1000

0 V. 8010' W. $\frac{1}{4}$ Cor. Sec. 1 Ran.

5248.3 Hit Sec. Cor. on head N.W. Cor. Sec. 1

3936.22 $\frac{1}{16}$ Cor

2624.15 $\frac{1}{4}$ Cor

0 Var. 9010' N.E. Cor. Sec. 1

2761.0 Waters edge

2655.9 P.O.T

2260.4

2019.5

1338.45 $\frac{1}{16}$ Cor 14" J.P. East 6.4

1300.6 P.O.T 11" J.P. South 32.0

0 V. 8030 W. $\frac{1}{4}$ Cor. Sec. 1

6" J.P. 118.4"
S. 66° 50' E
4" J.P. 3.44° 15' E
110.0"
5" J.P. 5"
8" J.P. 35° E
4" J.P. 442
S. 80° E.

138-35

14" J.P. Old marked tree
S. 53° 45' E 29.2

0 = W. $\frac{1}{16}$ Cor N.W. $\frac{1}{4}$ Sec. 1

1324.3 P.O.T. $\frac{1}{16}$ Cor.

4364 Waters edge Iron Mon.

0 Var. 8025' N. $\frac{1}{16}$ Cor. N.W. $\frac{1}{4}$ Sec. 1.

800

1117.5

1398.5 $\frac{1}{16}$ Cor. Goes 1912' West 8" J.P.S.E. 17

2759 R&S to $\frac{1}{16}$ Cor. Missed 38' Ran. East 5" J.P. N.E 12.3

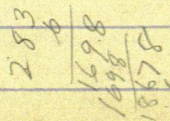
0 Var. 8030' E. $\frac{1}{16}$ Cor S.W. $\frac{1}{4}$ Sec. 1 Iron Mon.

400

2032 stake Iron Mon.

2044 Waters edge

Hubbard County - Crow Wing Twp
N. $\frac{1}{2}$ - N. E. $\frac{1}{4}$ Sec. 28 - 139-33



Cor. 20-21-28-29

B. Pine 6 S. 10 1/2 E 60

B. Pine 6 S. 68 W. 84

B. Pine 5 N. 49 W. 6

B. Pine 5 N. 59 E 28

W. Oak 7 N. 46 E 8

Cor. 21-22-27-28

Elm 18 S. 10 1/2 E 8

Linden 10 S. 44 W 37

B. Ash 9 S. 67 W. 15

B. Pine 10 N. 4 E 60

Cor. 27-28-33-34

B. Pine 9 N. 31 W. 68

B. Pine 10 S. 31 E 36

B. Pine 12 S. 76 W. 61

N. Pine 22 S. 55 W 160

Cor 28-29-32-33

B. Pine 10 S. 48 E 95

B. Pine 8 N. 40 1/2 E 83

Nor. Pine 24 N. 72 W 206

165 ft
S. 1/4 Cor W. Cor. 2.50 W.
M-U @ 4

Nor. Pine 12" S 77 W 67

N. 1/4 Cor.
L-V @ 4

Tarn. 9 S. 28 W. 20 13, 2

Tarn. 10 N. 47 E. 36 23, 76

E. 1/4 Cor = M.C. #5
R-C @ 2

B. Pine 10 N. 87 1/2 W 29

Nor. Pine 24 S 43 E 29

W. 1/4 Cor.
Q-D @ 2
M.C. #6

B. Pine 4 N. 79 E 44

B. Pine 14 N. 44 W. 35

M.C. #7

Q-D @ 2
E 1/4 Cor Sec. 21

Balsam 10 N 17 1/2 W 29

Nor. Pine 14 N. 42 1/2 E. 31

21-22-27

75 Greene - Lindbergh

Sec. 28, 139-33

June 2, 1933 Mag. Var $9^{\circ}\pm$

S.E. Cor, Sec. 28 North to A.P.#1 2707.3

A.P.#1 = A

2462.4[✓] A.P.#2 N. $0^{\circ}29'W$

2245.7[✓] A.P.#3 N. $7^{\circ}18'W$

2649.8[✓] A.P.#4 N. $34^{\circ}38'W$

1786 A.P.#5 N. $37^{\circ}43'W$

411.1 B S. $87^{\circ}27'W$

Blaze on Elm tree N. $0^{\circ}42'W$

A+B A.P.#2 N. $8^{\circ}56'E$

A.P. 3 N. $3^{\circ}12'E$

A.P.#3 B S. $3^{\circ}12'W$

1147 A.P.#5 S. $44^{\circ}44'W$

1221.5 A.P.#4 S. $87^{\circ}47'W$

A.P.#2 A.P.#1 S. $0^{\circ}29'E$

B S. $8^{\circ}56'W$

Blaze on Elm Tree N. $60^{\circ}32'W$

A.P.#5 A.P.#1 S. $37^{\circ}43'E$

1147 A.P.#3 N. $44^{\circ}44'E$

872 A.P.#4 N. $28^{\circ}18'W$

Sat June 10⁹ - 5 L 5.50 76
 Fri " 2 2 DSL 10.00
 Sat. 3 3 B.D.S.L 4.00
 Mon " 3- 4 B.D.S.L 5.07
 Tues " 6 5 B.D.S.L
 6 B.D.

1/2 day
 notes
 + comb.

Setup at A.P.#4 S. 34°38'E A.P.#1
 872.0 S. 28°19'E A.P.#5
 1221.5[✓] N. 87°47'E A.P.#3

A.P.#4 - A.P.#6 N. 28°19'W 84.9
 A.P.#6 - A.P.#7 S. 79°02'W 536.4'
 7 8 S. 72°00'W 238.3
 8 9 S. 48°47'W. 386.8'
 9 10 S. 75°01'W

		N	S	E	W
		4887.6	4000.0		1505.9
N. 28°19'W	84.9	74.8			40.3
		4962.4	40		1546.2
S. 79°02'W	536.4		102.0		526.7
		4860.4			2072.9
S. 72°00'W	238.3		73.7		226.6
		4786.7			2299.5
S. 48°47'W	386.8		254.9		291.0
		4531.8			2590.5
S. 75°01'W	51.2		13.2		49.5
		4518.6			2640.0
North	761.4	761.4			
		(5280.0)			
North	67.6	67.6	(5347.6)		
N 87°40'W	808.6	32.9	(5380.5)		808.6
N. 88°26'W	642.0	17.6	(5398.1)		642.0
N 88°48'W	1149.5	24.1	(5422.2)		1149.5
S. 74°51'W	131.8	(5387.8)	344		127.2

	N	W	
A.P.1	2707.3	00.0	
A.P.2	5169.7	20.8	
A.P.3	4934.8	285.3	2227.5
A.P.4	4887.6 ✓	1505.9 ✓	2180.3 ✓
A.P.5	4120.1	1092.6	1412.8

A.P. 1 N. 0° 29' W 3050 S. ^{23° 29'} ~~21° 29'~~ W A.P. 4 ^{131.8} 1149.5
 642.0
 1923.3
 808.6
 2731.9

Temp. Sec Cor.

16° 21' 131.8' 1149.5' 642' R. 0° 22' R. 0° 46'

B. Pine N. 71° 30' E 26 25.8 True
 B. Pine S. 22° 12' E 52.3 48.6 127.2
 B. Pine N. 86° 11' W 23.3 25.5 1149.5
 B. Pine N. 28° 15' W 27 30.6 642.0
 808.6
 2727.3

2707.3
 4268.8
 308.2
 912.7
 8197.0
 2462.4
 10659.4

5280
 10560

N. 87° 40' W

0° 46

88° 26

0° 22

88° 48

16° 21

105° 09

74 51

04071 - 3

8086 - 4

24426

32568

325680

32918106

5280

67.6

5347.6

32.9

5380.5

17.6

5398.1

24.1

5422.2

34.4

5387.8

5289.0

5169.7

110.3

5387.8

5169.7

218.1

2640

808.6

3448.6

642.0

4090.6

1149.5

5240.1

127.2

5367.3

20.8

5346.5

5280

66.5

808.6

149

4268.8
3875.0
393.8

393.8
308.2
702.0

3875.0
692.9
4567.9

80

26135.8 96524.8
1318.4 1318.4
209080 772192
26135 96524
78405 289572
26135 96524
34445930127.218632

02734 -7-3
642 -3
5468
10936
16404
7755228

11495 -2
02094 -6
45980
103455
229900
24070530

70°55'
72°27'
143°22'
36°37'

$\sin 36^\circ 37' : 190.5 : \sin 70^\circ 55' : X$

91°40
72°27
164°07
15°53

94504 -4
1905 -6-6
472520
8505360
94504

308.2

59646 18003.0120
178938
109212
59646
495660
474168
184920

$\sin 15^\circ 53' : 190.5 : \sin 70^\circ 55' : X$

59646
178938
19056.7

00369
 44.6
 2214
 11476

+ N. 89°06' W. 4 31.7' W of Hub.

N. 89°06' W

N. 32°54' E
 116
 31.7

N. 0°29' W 3050

44.6 N. 89°05' W
 N. 87°40' W
 2014

" 825

" 393.8

" 308.2

" 912.7

N. 32°54' E 116

True Line (Guess) S. 89°51' W.

5367.3
 2.0
 5369.3
 2684.6

5387.8
 5378.4

Prop

5367.3
 2
 2 | 5365.2
 2682.6

From A.P. #2

True Line N. 89°54' W

Prop. 1/4 Cor

From N. 1/4 R.

check

A.P. #2 to a

S. 35°50' W.
 S. 48°05' W.

139.3
 117.0

b to A.P. #3

S. 65°17' W.
 S. 44°44' W to A.P. #5

105.5

1344.6

R. Sec. Cor 5378.4

5378.4

5378.4

True Cor 90° East

N.

82
22.5
2.0
20.5
W.

N.	S.	E.	W.		
5169.7				5169.7	20.8
3050			Sec. Cor.	5378.4	2.0
			25.7	8219.7	46.5'

825 (3875)

9044.7

393.8 (4268.8)

9438.5

308.2 (4577) (4570.7)

9746.7

912.7 (5489.7)

20.6

10659.4

67.1

99.4 (5587.1)

63.0

10756.8

10756.8

Sec. Cor. 15-16-21-22

10756.8

4.1

21-22-27-28

5378.4

2.0

5169.7

North 208.7 East 10.8

208.7

Sec. Cor. 20-21-28-29

5387.8

5367.3

21

28

5367.3 + 2

2

5383.1

2684.6

Int North 35.5 W. 44.6'

5347.6

2640.0

N

S

E

W

5169.7

20.8

235.2

264.5

112.9

81.6

78.2

87.1

44.1

95.8

235.2

264.5

4934.5

285.3

Bearing line N. 0° 02' W

Book B, page 178

N.W. Cor. Sec. 21 Var. 9°

South 5452.9 to $\odot$, Sec. Cor. 53' west

B.Ts. 28-29-31-32

8" J.P.N.E. 25.8

7" J.P.N.W. 30.6'

6" J.P.S.E. 48.6'

J.P.S.W. 25.5

Var. $8^{\circ}06'$

N.W. Cor. running East 5264.7' to $\odot$

99.1' South of true Cor.

New B.Ts to Cor, 21-22-27-28

Elm 18 S. 30 E 3.2'

Elm 12' S. 35 W 26.0'

Elm 8" N. 25 W 28.3'

Twin Elm 7" N. 60° E. 16.0'

$$\begin{array}{r}
 91040' \\
 15053 \\
 72027 \\
 \hline
 180000 - 88020 \\
 91040
 \end{array}$$

$$\begin{array}{r}
 15053 \\
 72027 \\
 \hline
 87027
 \end{array}
 \quad
 \begin{array}{r}
 16022 \quad 84 \\
 0029 \\
 \hline
 1553
 \end{array}$$

$$\begin{array}{r}
 71058' \\
 0029 \\
 \hline
 72027
 \end{array}$$

$$\begin{array}{r}
 58543-7 \\
 139.3-7 \\
 \hline
 775629
 \end{array}$$

$$\begin{array}{r}
 16022 \\
 71058 \\
 \hline
 88020
 \end{array}$$

$$\begin{array}{r}
 526887 \\
 175629 \\
 \hline
 58543 \quad \checkmark \\
 81550399
 \end{array}$$

$$\begin{array}{r}
 81072 \\
 139.3-7 \\
 \hline
 243216 \\
 729648 \\
 243216 \\
 \hline
 81072 \\
 112933296 \quad \checkmark
 \end{array}$$

$$\begin{array}{r}
 66805 \\
 117 \\
 \hline
 467635 \\
 66805 \\
 66805 \\
 \hline
 7816185 \quad \checkmark
 \end{array}$$

$$\begin{array}{r}
 74412 \\
 117 \\
 \hline
 520884 \\
 74412 \\
 74412 \\
 \hline
 8706204 \quad \checkmark
 \end{array}$$

$$\begin{array}{r}
 41813-8-1 \\
 1055-2 \\
 \hline
 209065 \\
 209065 \\
 \hline
 418130 \\
 44112715 \quad \checkmark
 \end{array}$$

$$\begin{array}{r}
 90839-2-1 \\
 1055-2 \\
 \hline
 454195 \\
 454195 \\
 \hline
 908390 \\
 95835145
 \end{array}$$

$$\begin{array}{r}
 00844-7 \\
 3050-8-2 \\
 \hline
 4220 \\
 25320 \\
 \hline
 257420
 \end{array}
 \quad
 \begin{array}{r}
 71058 \\
 29 \\
 \hline
 72027
 \end{array}$$

4518.6

2640

S. 75° 01' W 46.2

S

W

25854 .966

11.9

44.6

$$\begin{array}{r}
 46.2 \\
 .966 \overline{) 4460} \\
 \underline{3864} \\
 5960 \\
 \underline{5796} \\
 1640
 \end{array}$$

$$\begin{array}{r}
 1344.6 \\
 876.4 \checkmark \\
 \underline{468.2}
 \end{array}$$

$$\begin{array}{r}
 761.4 \\
 67.6 \\
 \underline{35.5} \\
 864.5 \\
 11.9 \\
 \underline{876.4}
 \end{array}$$

$$\begin{array}{r}
 25854 \\
 \underline{46.2} \\
 51708 \\
 155124 \\
 103416 \\
 \underline{11944548}
 \end{array}$$

$$\begin{array}{r}
 7.5 \\
 5.5 \\
 \hline
 37.5 \\
 37.5 \\
 \hline
 41.25
 \end{array}$$

$$\begin{array}{r}
 4518.6 \\
 11.9 \\
 \hline
 4506.7
 \end{array}
 \qquad
 \begin{array}{r}
 2640 \\
 44.6 \\
 \hline
 2684.6
 \end{array}$$

$$\begin{array}{r}
 5383.1 \\
 4506.7 \\
 \hline
 876.4
 \end{array}$$

Time Sec. 28-133-39

Minnesota Light & Power

Little Falls, Minn

N. L. Lindberg

A. N. Taylor.

Hubbard, Minn Route 1

5.5 days @ 7.50 41.25

Material 1.00

Car. 85 miles 4.25

Greene \$46.50 6.50 23.25

Noble Lodging 5.50 ✓

Labor 10.00 ✓

Hendrickson & Roepke 4.00 ✓

2166.00

33.00

Credit 15.50

N. L. L. \$17.50

Labor Credit 33.00

M. L. & P. \$29.00

81

July 3, 1933 Norbert Bergerding
 Lo + 188 John Greene.
 Sec. 18-142-35

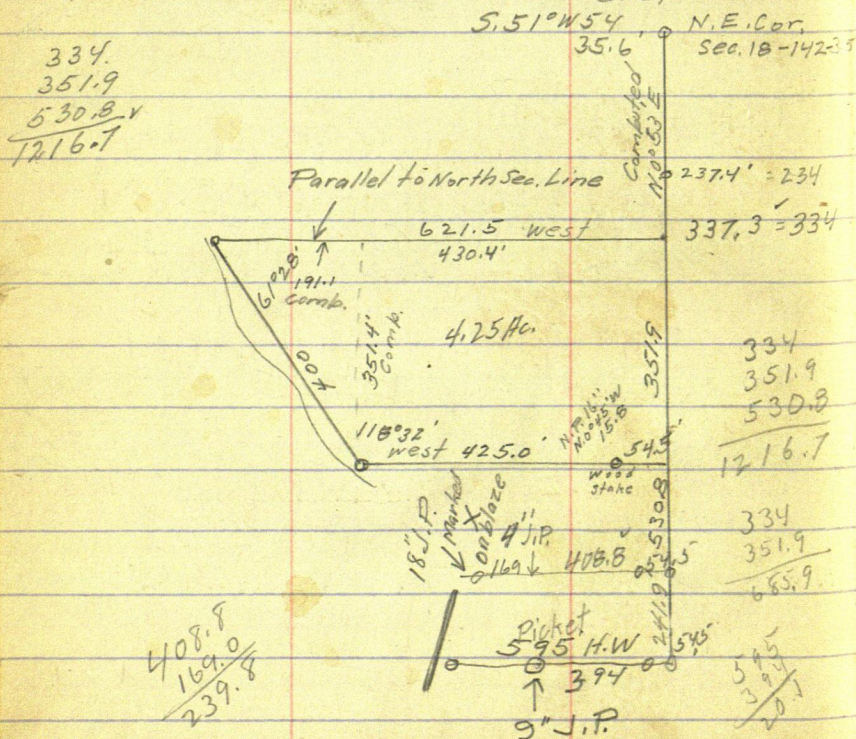
Copy of Plot by V. P. Szusztzky

Field notes of a metes + bounds

survey in Sec. 18-142-35.

Starting at N.E. Cor. Sec. 18-142-35, said cor.
 set by me from the S.W. Gov't. B.T. run south
 along section line between sections 17 & 18-142-35
 to a point 334' south of said cor., said point
 to be known as point of beginning.

Starting at point designated as Point of
 Beginning in the above, run due west parallel the
 section line bet. 7 & 18 a distance of 621.5 to
 E. shore of Little Mantrap Lake etc.



54
324
324
356.4

324
324
356.4

Book B - 145 Miller 80

Lot 5 - Sec. 26 - 142 - 34

New B.T.s
16" W. Pine south east 91.2'
16" " " south 79.1'

14" N.P. N.E. 20.2'
16" " " North 13.9'
14" " " N.W. 62.0'

M.C. #20 #3 #4 1042.9' 26 25
18" Spruce S.E. 141' 35 36
12" " N.E. 31.8

O = I.M. 25-26-35-36

356.4 Hub 1.6 south
603.1 Hub 2.8
667.0 Hub 3.1
1042.9 Δ A 4.8
1542.4 Δ B
1660.9 Hub

2427.2 "
2520.6 "
2762.4 " 13.2' North of M.C. #20

M.C. #4 goes to 1144, 5.5' south
M.C. #3 " " 1623.5 7.8' "

26.40

45

43560

12.30

15.48

7.20

17.20

80.20

True

Mag.

N. 27° 30' W

N. 38° W.

Across bay

N. 28° 38' W N. 58° 57' W 271.4' N. 69° W

131'

N. 20° 47' W

131

N. 31° W.

174.0

175.0

57.3

232.4

N. 2° 05' E

232.4'

N. 8° W.

N. 2° 05' E. 232.4'

N. 79° 34' W. to Cedar post
Fire Prevention sign.

Setup on Road in line with fence on south Sec. Line
Run N. 27° 30' W 271.4'; thence N. 58° 57' W
thence N. 20° 47' W 131'; T

Q = 7.5' West of fence Cor. Cem. of road = 6.5 W. of point
 320 N. 27°30' W. 271.4'

271.4 N. 58°57' W. 131.0 130.5

130.5 N. 20°47' W. 174.0

57.5 0 57.3 to point on S. Line Pop. tree 7" 3
 Pine stake 46' W. Pine tree 18.7' + 36' 1.1 M 18

232.4 N. 2°05' E. 232.4

① 2' West of stake (M.C. # stake) N. 13°09' E 78.1

76.1
 116.2
 128.7
 273.5
 594.5
 188.3
 782.8
 311.8
 1094.6
 1320.6
 225.4

N. 5°56' W. 116.8

N. 13°56' E. 132.6

N. 19°02' E 289.3

X South line of Lot bears N. 88°17' E

N. 7°20' W. 189.9

X North line of Lot

N. 7°21' W.

N. 80°05' W.

North line bears

N. 79°36' W.

76.1

324.5 N. 16°05' E.

68

70

52

From M.C. #20

West 2'

N.

S.

E. W.
 N. 12°15' E.

N. 13°09' E 78.1 76.1

17.7

2.0

N. 5°56' W. 116.8 116.2

12.0

N. 13°56' E 132.6 128.7

31.9

N. 19°02' E. 289.3 273.5

94.3

N. 7°20' W. 189.9 188.4

24.2

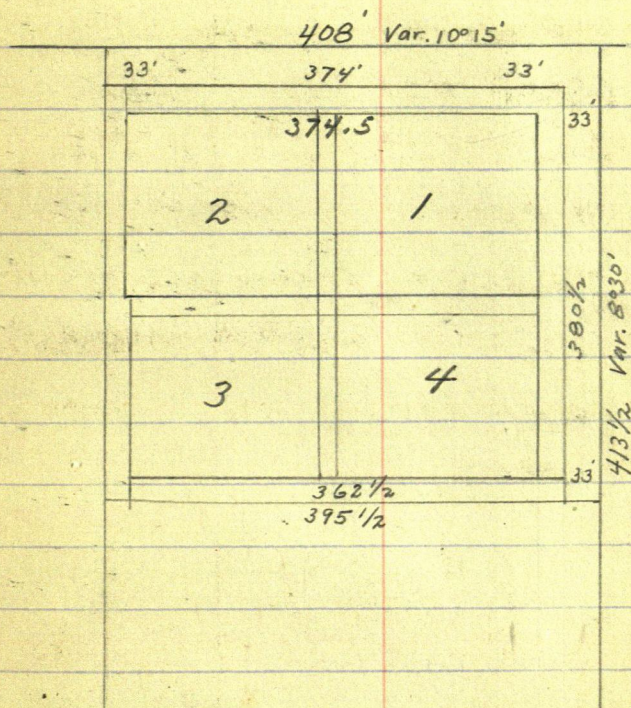
Beginning at N.E. Cor. of the
N.W. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$ of Sec. 21,
running west on $\frac{1}{4}$ Sec. Line
Var. $10^{\circ}15'$ 408 feet, thence
south at right $\angle$ s 413 feet;
thence east at right $\angle$ s $395\frac{1}{2}$ feet
to $\frac{1}{16}$ Sec. Line, thence north
on $\frac{1}{16}$ Sec. Line Var. $8^{\circ}30'$, $413\frac{1}{2}$ feet
to place of beginning, containing
 $3\frac{8}{100}$ acres.

Akeley Cemetery

Committeeman N.W. $\frac{1}{4}$ - S.E. $\frac{1}{4}$ Sec. 27-141-32

J. M. Malerich, Akeley, Minn

N.W. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ Sec. 27-141-32



$$\begin{array}{r}
 2640 \\
 808.6 \\
 \hline
 3448.6 \\
 642.0 \\
 \hline
 4090.6 \\
 1149.5 \\
 \hline
 5240.1 \\
 127.2 \\
 \hline
 5367.3
 \end{array}$$

$$\begin{array}{r}
 5280 \\
 67.6 \\
 \hline
 5347.6 \\
 32.9 \\
 \hline
 5380.5 \\
 17.6 \\
 \hline
 5398.1 \\
 24.1 \\
 \hline
 5422.2 \\
 34.4 \\
 \hline
 5387.8
 \end{array}$$

5169.7

3050.0

8219.7

825.0

9044.7

393.8

9438.5

308.2

9746.7

912.7

10659.4

97.4

10756.8

2642.3

4.3

2638.0

222.4

2415.6

1322.3

3737.9

87.9

3825.8

1186.4

2639.4

2642.3	9.2
<u>4.3</u>	<u>51.8</u>
2638.0	<u>61.0</u>
<u>222.4</u>	2657.1
2415.6	<u>2718.1</u>
<u>1322.3</u>	45
3737.9	<u>2763.1</u>
<u>87.9</u>	2675.7
3825.8	<u>87.4</u>
<u>1186.4</u>	27.6
2649.4	<u>59.8</u>

$$\begin{array}{r}
 113.3 \overline{) 116.7} \quad 1.03 \\
 \underline{1133} \\
 3400 \\
 \underline{3399}
 \end{array}$$

47.4 1.2
3 · 47.4 12

2673 46.5 1.7
1.6 13.0 12
 1.6 1.9
 11
 61.2

2663.5 08339-5 08339
 2696-5-7 22
 50034 16678
68.8 75051 16678
20.4 50034 1.83458
2.0 16678
11 22481944
91.3

2642.3 99652
224.8 2696-5
2417.5

597912
896868
597912
199304
268661792

2705.8
22
2727.8

2417.5
18
24157

9.2
2705.8

5085.3

2397.8

2687.5

2687.5 -1

01513 -1

80625

26875

134375

26875

10661875

25977 -3 -6

08339 -5

233793

77931

77931

207816

216622203

2758.8

2717.9

41.9

2758.8

40.7

2718.1

99652

2642.3

216.6

2325.7

267

02327 -5

16289

13962

4654

621309

2641.8 - 3.1

02123.8

79.254

52836

26418

52836

56085

2650

30.3

9.1

17

40.1

2600

98.3

29.5

127.8

54.~
00204

2168

10840

110568

00145

5305

26525

21210

5305

14270

1997.6

599.3

2596.9

85013
89003
426
87013

0052'2654.4

2597.7

98.3

24.6

4.4

13

127.6

2525.6

53.2

2654.4

30.8

9.2

1.8

11

40.9

60.1

34/2609.9

2604

590

252

2525.6

127.6

2398.0

1997.6

499.4

97.7

2594.7

122.5

1717.2

2654.4

256.6

2397.8

2677

140.9

2717.9

1500'	MALchow	-1050.0
1450		1015.0 ²⁰⁶⁵
1200'	Seibert	960
1400'	Seibert	980
600'	Kraft	420
2700'	Goodman	1890
8850'	Government	66850.

$$\begin{array}{r}
 885 \overline{) 6000} \\
 \underline{6000} \\
 0
 \end{array}$$

$$\begin{array}{r}
 95 \\
 47 \\
 \hline
 48 \\
 48 \\
 \hline
 960 \\
 7 \\
 \hline
 6.72 \\
 \hline
 \hline
 \end{array}$$

15

$$\begin{array}{r}
 20 \\
 6.72 \\
 \hline
 26.72 \\
 \hline
 \hline
 \end{array}$$