



PATENTS PENDING

Stenographic Notes

No. 103P

LI-RITE LICENSE NO. 1

No. ^C ✓ _____

From MAY 11 1942

To MAY 24 1942

10 weather charts placed in folder

Soda Springs May 16, 1942 (Saturday)

Bus. Ran 7:30 am.

Truckee River grey green. Clear.

9:20 am.

Therm. 36.8° F.

Thermog. 37.0°

Traces very faint. Time 8⁺ days.

New snow. Soft and moist. No crust.

Snow in path melting.

The Secretary is Elisha McAray. my pupil.

The waiter is Mimi (Hermine) Schaar (not Schulz)

- Weather Record -

Snow survey notes, "South Yuba River, 5/1/42"
in folder

Small Tablet of pink paper "May 11 -" in folder

Note for May 22, "River rising" in folder

Comparative Snow Meas.

In Triangle Δ .

Water Content (in.)

May 12. { 27.8
Total Core { 28.4
 { 27.5
av. 27.9

May 16 - 28.0
 29.0
 28.0

Between 2 Sticks

New snow { 3.0
 { 2.8
 { 2.7
av. 2.8

New snow melted
Old snow accumulated water.
But old snow protected
from insolation

av. 28.3 Excess 0.4 in.
refic. - 0.3 in.

Old Snow 25.1 May 12
" " " 25.7 May 16

Sounding Stations

No. 6 26.8
No. 7 26.4
No. 8 23.5
av. 25.6

27.1
27.1
27.3
27.2

av. 2.6 Refic. - 0.2 in.
" - 0.9 in.

Recent new snow:
0.7 in.
Prec. in gaps (at least)
0.82 in

Precip. 0.82 in.
May 12-16 26.4 + 2 in.

Excess 0.8 in.
No melting?

Temp. May 12-16
low. See records.
Pigment did not enter old snow and scarcely penetrated new snow.

Snowstake May 16 $4\frac{1}{2}$ 8 in = 56 in.

NB: - Shovel new snow from old to determine ^{relative} melting under similar exposure to sun. Cover the new snow and the old by a screen during storm to prevent addition of new snow.

These measure

No. 1. Snow subject to accumulation

No. 2 New snow protected from further accumulation + blanketing.

No. 3 Old Snow [in pit with new snow shoveled off] protected from further new snow

* Use similar depths for sampling by means of metal plate.

notes, "Soda Springs, May 16, 1942" to folder

MONDAY *Apr 3/44* TUESDAY *Apr 4*

WEDNESDAY *Apr 5*

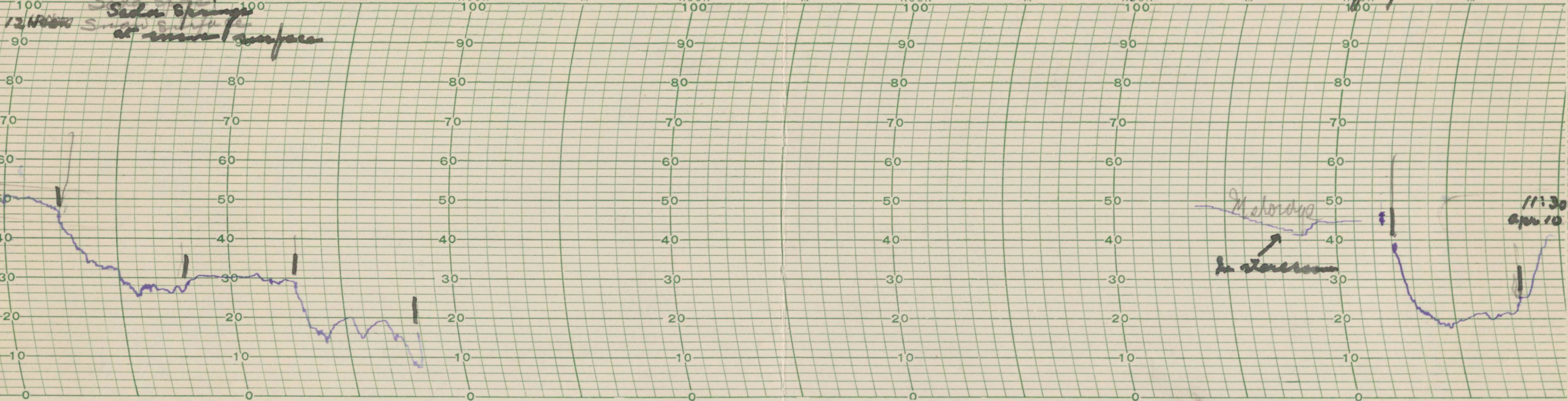
THURSDAY *Apr 6*

FRIDAY *Apr 7*

SATURDAY *Apr 8*

SUNDAY *Apr 9*

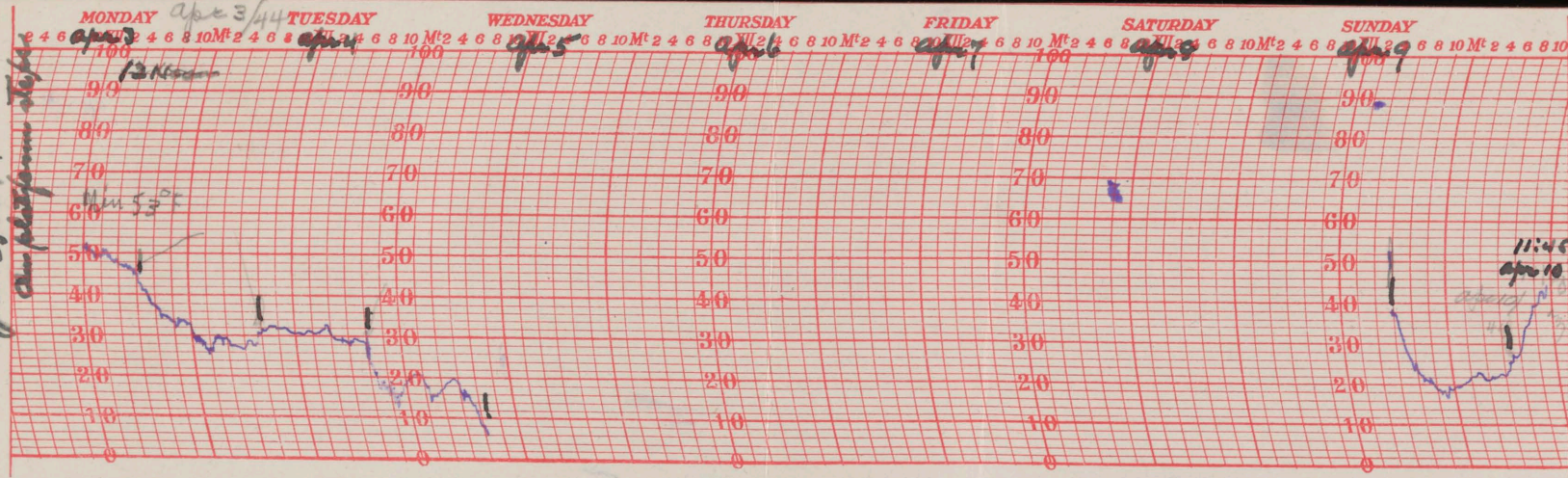
6 8 10 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M



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 Baltimore, Md., U. S. A.

Station *Sedan Dept*
 Week Ending *Apr 18, 1944*

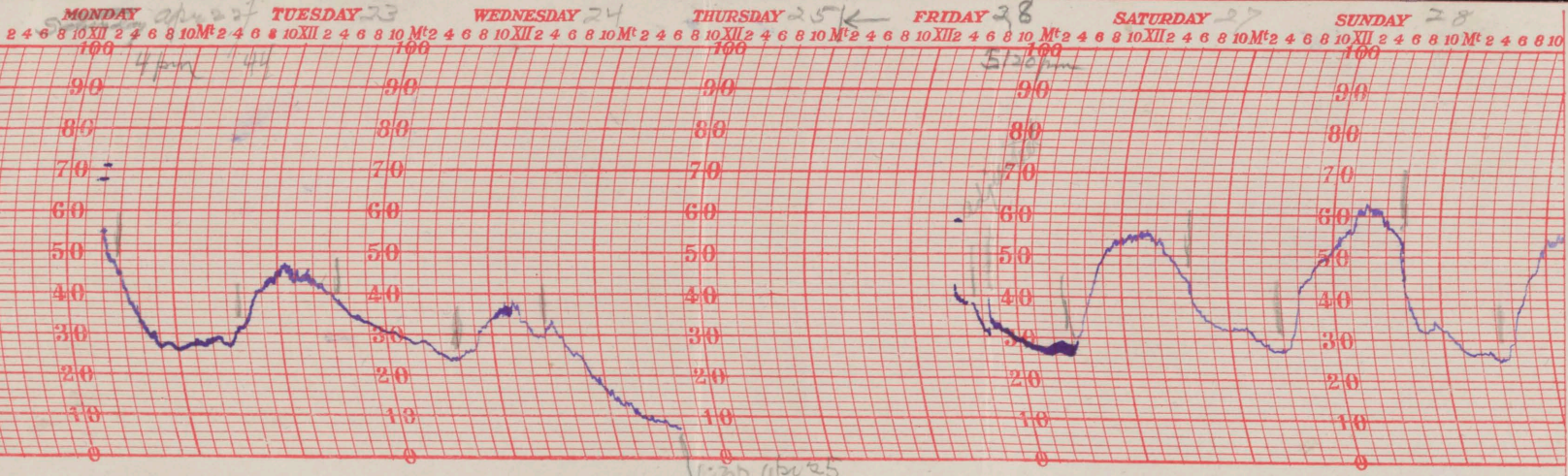
on platform slope



(Place this margin under the brass bar.)

Station... *Sold in Baltimore*

Week Ending... *Saturday Apr 29/14*



(Place this margin under the brass bar.)

Soda Springs

Hotel

MONDAY *Apr 22*

TUESDAY *23*

WEDNESDAY *24*

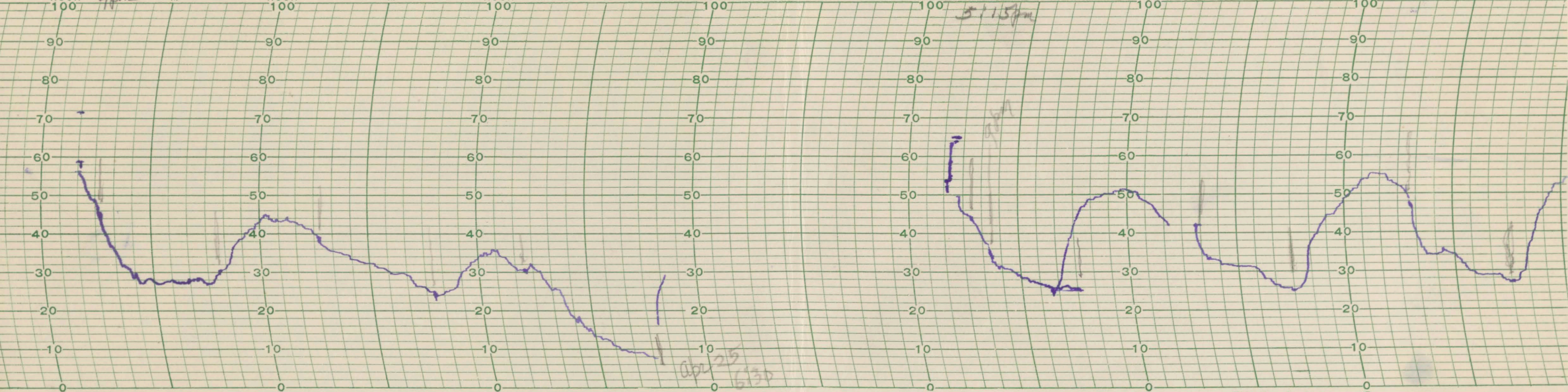
THURSDAY *25*

FRIDAY *Apr 28/44*

SATURDAY *27*

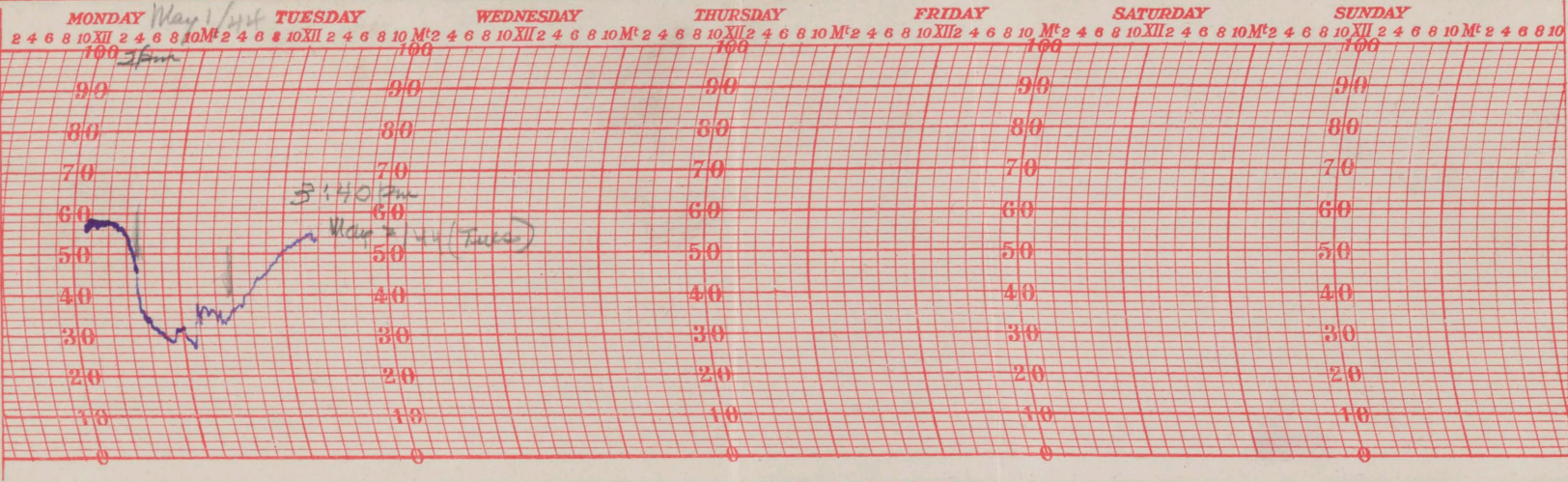
SUNDAY *28*

6 8 10 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M



Sada Springs
Hotel

Station *Soda Spring*
Week Ending



(Place this margin under the brass bar.)

Hotel .

MONDAY *May 1/44* TUESDAY

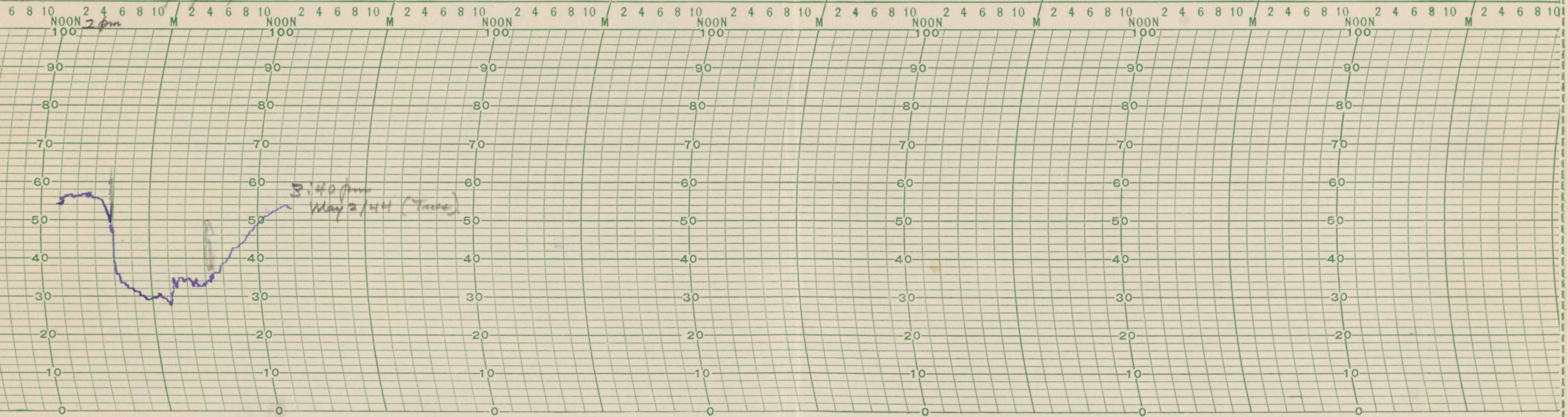
WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

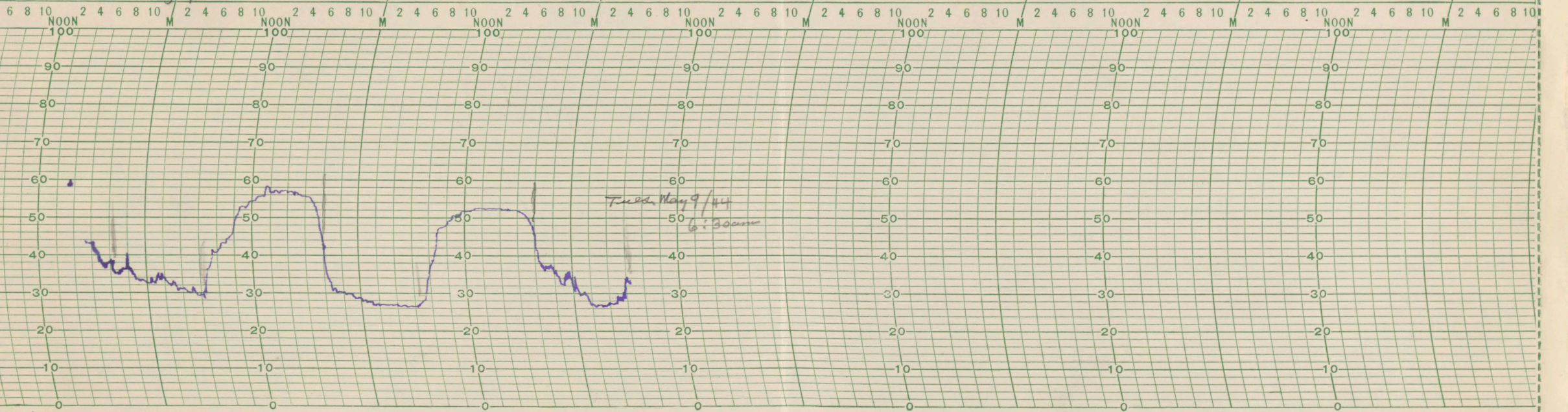
SUNDAY



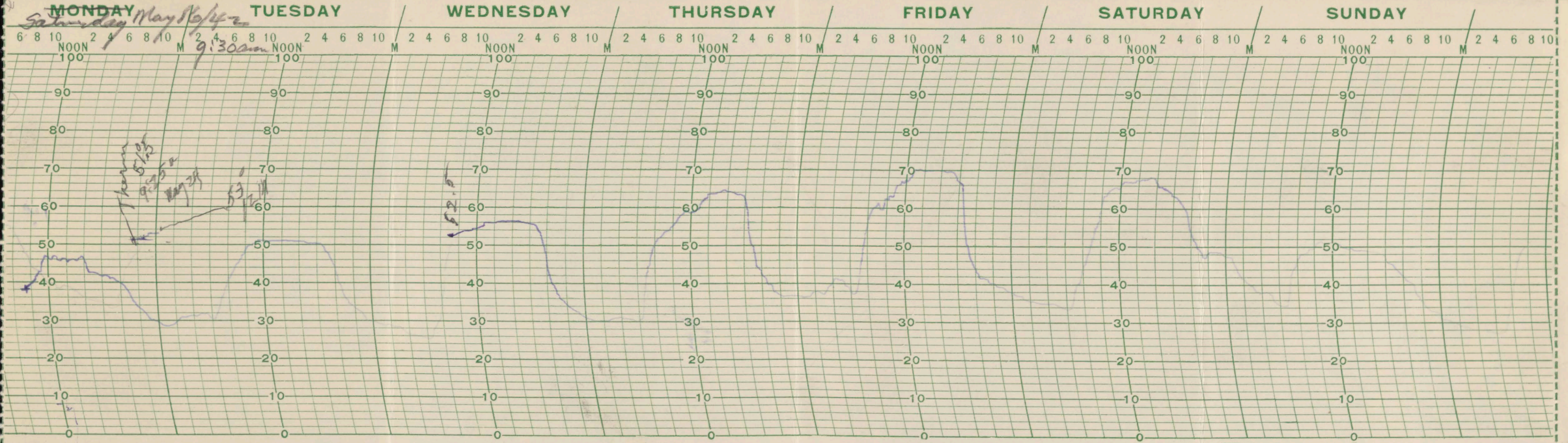
Soda Springs
Hotel

In Pasture

SATURDAY May 6/44 TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY SUNDAY



In Pasture



MONDAY
Sunday May 24/42

TUESDAY

WEDNESDAY

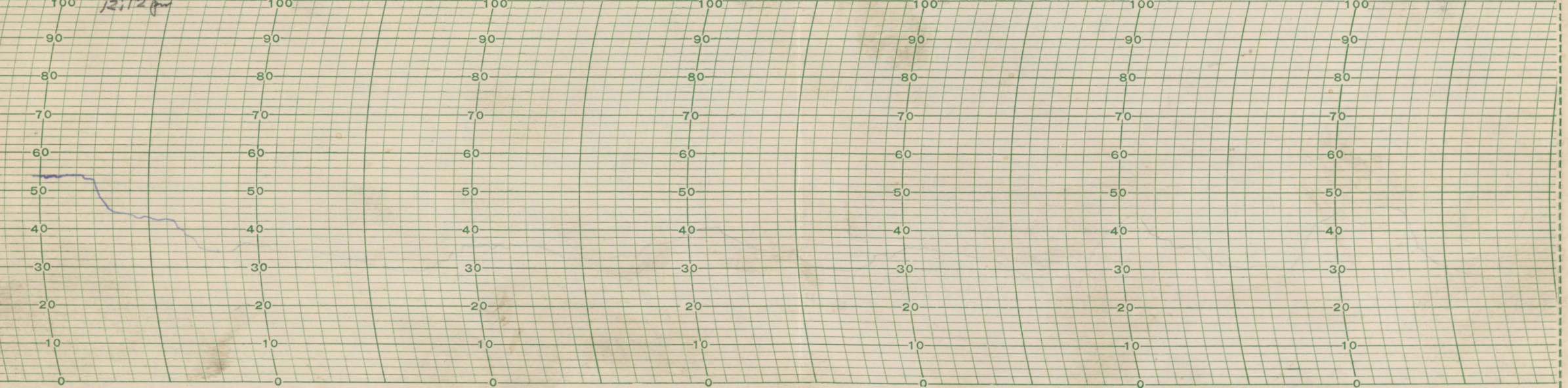
THURSDAY

FRIDAY

SATURDAY

SUNDAY

6 8 10 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M 2 4 6 8 10 M



MONDAY

TUESDAY

WEDNESDAY

THURSDAY

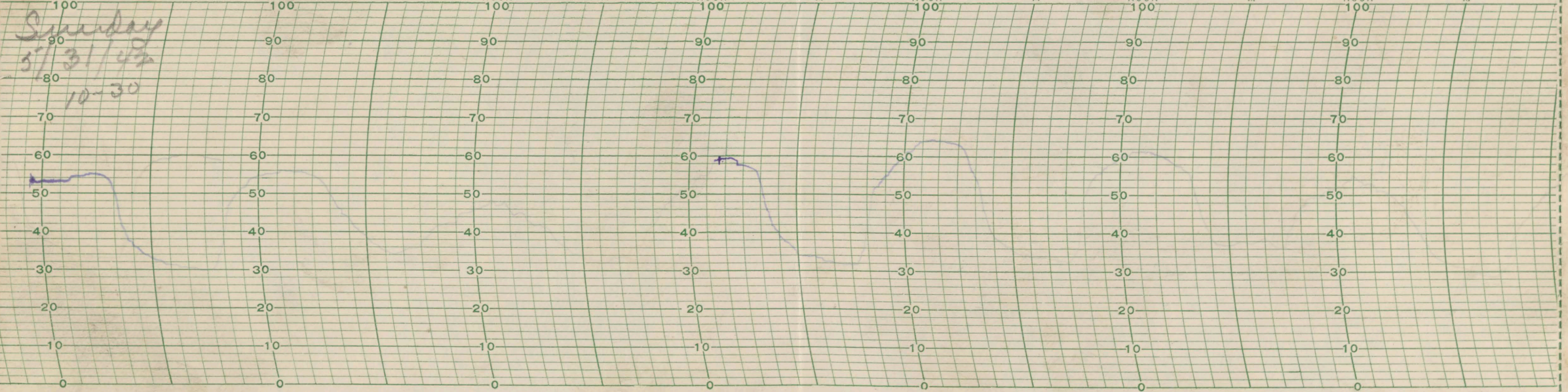
FRIDAY

SATURDAY

SUNDAY

6 8 10 2 4 6 8 10 M NOON 100

Sunday
5/31/48
10-30



Soda Springs Hotel

Weather Charts

Apr. 3rd 1943

Apr. 10th

Apr. 22nd

May 1st

May 6th

May 24th

May 31st

in Quant. 75 in

Can O. Haver 2nd
660

May 11 - 1 - 8 am
Thermog. 24° F
Thermom 25° F

Weather May 8 - 12

May 8.	59	25	Class	On Ed
				58
9.	57	29	"	55
10.	47	22	Pt Clly	60
			Precip. 0.59	Wet snow 7
11.	39	20	Pt Clly	74
			Precip. 1.03	Wet snow 16

12. 29 20 0.47 in

recorder
Sheet sent in last evening.

Therm. min 24.9
Thermog. 25° F

9 am therm 29.5 Clear
Thermog 27.5 fresh

May 12 - - 2

at 6:30

Call at 6:30, from
Mr. Nelson of QM, Dept
Washington

Cann. on Chinata.

Steffanson, Byrd,
Hildebrand, head of
Rubber Co. I have been
highly recommended,
Would I join? Helicopter

Broke
~~From~~ track & snow
stake 6ft 1 in. = 73 in.
Snow very soft.

10 am

Wind for night

Therm. 24.9
Thermog 25.0

Pres temp.

Therm. 29.5
Thermog 27.5

Clear & fresh breeze

Snow [^] 2 in. deep &
thin ice ^{and a small} on thermometer
Does this lower the
temp?

Precip. yesterday.

Standard gage 0.47 ¹/₄ in.

Recorder 0.45 in.

Earlier record sent
in last evening.

Snow clouds blow
from top of Beacon Hill.
Snow dry yesterday and
today - 5 in drift.

Some snow & ice from
Bridge up yesterday.
Snow slides effaced
completely. New snow
above ^{ice} - Paths being
stoveled. Unusual for
May 12

Ground same. Snow
at bottom already
melting and warmer
than dusk.

On roofs, snow already
creeping, and where
roofs are black is
sliding off -

Cornices building up
on Beacon Hill -

Snow slides quite
possible below cornices,

May 12th

5

Finding pigment
south of Snow Lake

Started 2 feet to far
south, shovelled and
undercut 10 ft square
then backtracked
Next time a tall marker
or exact location by
feet & compass or guide
point.

Skiers returning and
snowpusher cat for
Frozen Lakes. Skiers
went to upper corner
house or higher by
signs of tracks. a
splendid stunt - 1 x many
an oldish man &
Eddie Shutz "guide".

- 6 -

11:30

Temp. on snow
exposed $+14^{\circ}\text{C}$
under film $\frac{1}{2}$ in $+13^{\circ}\text{C}$
Thin clouds

Bottom of new snow
depth $19\frac{3}{4}$ in. 0.2°C
Bottom old snow $+0.1^{\circ}\text{C}$

~~12 Noon~~

Old snow - bottom of core
met.

New snow dry & fluffy
this morning, but
top moist now. Some
surface hoar this morning.
Crust tonight if temp. falls
below freezing (35°F).

Core old snow is
fully ripe or overripe.
12 Noon - on surface open
1-in deep 11.0°C 23.2°F

-7-

New snow packs readily
and if maddled in hands
and compacted soon
drifts & becomes
"water core"

In former meas. prob.
included new snow on
former old snow.

So revised meas. 17 1/4

Took rain gauge core
?

Temp. bottom of old snow
+0.1°C.

Placed pigment on new
snow 52 in. east of
snow stake toward
live tree near dam

Car without sled
just came in from
Sugar Bowl,
3 in cab. Snow
came up to body of
tractor. Tractor
racks back & forth.
Too unsteady for sled
& load - might pitch
on its head.

Pigment S_1 of snow stake
(at distance)
descended only from
surface (present 47 in.)
to 37 in. above bottom
of snow - Snow at this
point merely moist -
Snow stopped melting
soon after I placed
pigment?

- 9 -

Temp bottom green
snow 17 in. deep
 $+0.2^{\circ}\text{C}$

Temp. at 37 in. above
bottom where dye stopped

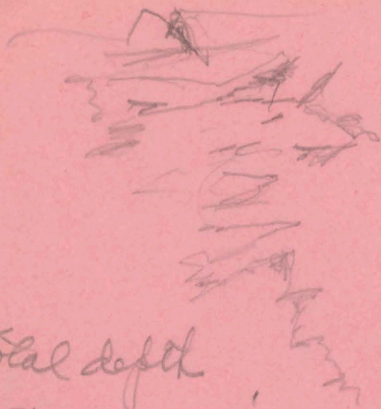
N.B. When shadow came
over snow it ~~was~~
congealed immediately,
but when sun returned
snow was soft again

1 pm. Temp on snow
open 23.2°C

1 in deep $+15.3^{\circ}\text{C}$
(large air spaces)

at 37 in. ~~above~~ ^{dye} bottom $+0.6^{\circ}\text{C}$

Color spreads wild three
rows snow - even a
stain of it.



Total depth
11 to 1 ft. 8 in -
breadth 7 in.

Inner snow.

A1 B - old snow
exposed became
wet under foot &
hard for use,

Snow Stake now 5 ft 10 in.
Snow ~~settled~~ 3 in in 4 hrs.

- 11 -

Snow cover

Water content

U.S.W.B. tube

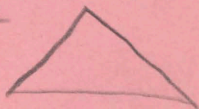
Precip. gage 2.13 in

Depth 17 in = 2.09 in

Shrinking constantly = 12.5%
down

Avalanches on roofs -

1/5 of south + east slope
broken in large



Sliding also over eaves,
on black roofs.

In trail bottom is
already slush + water.

1.03
1.59
47 Today
<hr/>
2.09 in
Since Sat

Observe —

New snow can become
ripe without crystals
if melting continuous?
Night freezing will
create coarse crystals?

Snow on Thermog.
There must have been
a biggish Sunday
night mild said Bus
Driver of Monday 6 pm
bus

(The Swiss)
Tore: Emile, slyly
suggests that sun-caps
(fedoras) on the sun
dance the sun-caps
in the snow. as I
corrected him, he laughed

and ran away,

Query: How much precip. Sat-Sunday-Monday at Reno - proportional to normal precip. as compared with Soda Spgs?

Sampling easy today - No frozen strata? at least moist even if there are thin embryonic strata!

Snow slides -

Traced route of skiers up Beacon Hill. Trail deep and ~~and~~ over and over cushions

beneath high cornices
trail mainly horizontal
or diagonal -

Snow rollers started
in various spots from
trail but did not go
far. "Eddie" remarked
to his group that the
avalanche would
at least be slow.

Like those Flanrances
I started on Mt Shasta?

Cohesion with old
snow not yet established
but new snow still has
considerable cohesion
in its own crystals -
One cleavage between
strata of its own two
storms was pronounced
this morning espec,
when the new snow

-15-

was deeply undercut
by a shovel.

When met and
slip plane (in place of
present dry friction
plane) is established
slides may be easy -

2130 - Max. temp for
day.

Therm., 43.4

Thermog. 39° v for moment

Gres Temp. 39.4° F

Therm. 37.0° F

Thermog.

Snow on floor of shelter
has gone. Wind very fresh.
Water dripping from
woodwork of shelter.

Love word to Geo Siles
to phone me when ^{new} snow

was 2 in deep. Then
I will measure all
old holes.

Melting out -

Yes, crystals tho small
are actually and
richly (without magnifying
glass) forming a
snow ripens.

In fact capillarity is

← so high →

but water is accumulating
on ground + does
not permit free drainage
from the snow.

This is Hutton's maximum
height.

Top of new snow
becoming tiny pitted
by breaking down of
crystals by melting.

Soon the "surf" texture
In fact the incipient
surf is now beginning
to freeze into ice -

But surface as
a whole is still
moist.

Query: Does drag, caused
the projecting fins (fully
exposed to air currents
around them) to freeze?
Possibly, here the
explanation of crust
at 35 or higher.

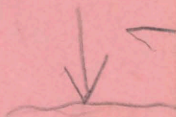
18

Water below
so do

In ~~path~~
gravel path

behind hotel

Extreme capillarity



3:15 pm - 19 -

Snow stake 5 ft 5 in =
65 in

Temp at 37 in. above
bottom +0.1°C

Depth of new snow 16 in.

Temp. on snow (open), 19.0°C

" 1 in. under (assuming wet surface) 8.8°C

Depth of snow (new + old) 64 in.

Core at bottom moist (damp)
Temp. +0.2°C

Temp at bottom of new snow
+0.1°C. (16 in.)

New snow shoveled over
in pit this morning
now ~~badly~~ considerably weathered -

Bye

Bye on new snow this
noon has spread down
grade 4 1/2 ft to snow stake
and descended 30 in. into
coarse crystal old snow.

New snow 16 in. deep
at stake but dye followed
snow down stake to
depth 50 in. the farther
from stake it only
to bottom of new snow
where it spread out
and intensified.

Dye spread fan shape
horizontally down grade
30° - but practically
none up grade tho
grade was slight.

Max. uphill spread 20 in
depth of pit of accelerated
melting 3 in.

Now overcast

- 21 -

Sampling in triangle

65.0 59 66.2 94 27.8

Loss of $\frac{4}{10}$ in core at top

65.5 59 94.6 / 28.4

Loss of $\frac{4}{10}$ core at bottom

65.0 60^{approx.} 66.2 93.7 27.5

New snow

16 in 10.8 66.2 68.9 2.7
69.2 3.0
~~69.~~

15.5 69.0 2.8

16.4 10.0 66.2 68 1.8

16.0 10.0 68.9 2.7

Marked by 2 sticks

6-10 in round + square
~~5~~ 6 ft next line of sticks

depth of old snow 50 in.

Water content of old

snow - w/c. 91.2

50 core 45.3

$\frac{66.2}{25.0}$

50 49 $\frac{66.2}{93.0} = 26.8$
Loss $4\frac{1}{10}$ in.
Coherence of snow +

old snow complete

Frozen together.

5:00 pm

Crust on new snow -
practically dry -

Overcast.

On surface (open) $+5.0^{\circ}\text{C}$

1 in deep

(under crust $+3.4^{\circ}\text{C}$)

at bottom of new snow $+0.1^{\circ}\text{C}$

at bottom of old snow

64 in. deep. 0°C or

better $+0.05^{\circ}\text{C}$ 0.1°C

Sampling harder
now. Crystals in
care sandy and
friable -

Crust now $\frac{1}{4}$ in thick

Course laid out on
line from haydoor of barn
to post, No. 1 at stick in
drift approx. 35 ft from barn
No. 6 door (center)

63.2 56.5 66.2 93.0 / 26.8

Bottom of core waterladen
but not drifting now.

No 7

63.0 49.0

92.6 26.4

One freezing in Tube

No 8 61.0 32

89.9 23.5

Core packed & frozen in

- 24 Feb

Duraluminum frozen snow
to it - difficult to
break core up with
spatulae & screw driver.
Cleaner needed.

Brought samples to
hotel to show it out
Water in trail has
a scum of ice on it.
Overcast. Snow falling.
Bottom of core has
water & ice crystals.
Bad situation for
duraluminum. Fails
badly.

7pm.

Thermom. 30.2°F .

Thermop. 31.5°F .

Snow cap on table
quite symmetrical
this morning, but
already recasting on our
side.

Remcas

No. 8

61.0 53.5 66.2 ~~93.0 27.9~~
26.8

Crust 1 in. thick

Temp.

On surface (open) 0°C

1 in under crust 0.25°C

Bottom of snow 0°C

Snow stakes 5 ft 1 in.

but snow disturbed

Snow frozen to therm. tubes + metal plate.

Sticky, fuzzy, - snow where tramped is stone hard + slippery. Slog in trail under snow

— 26 —

Snow still spitting
but scantily. Only a
bit caught by canvas

Snow covers over

canvas have
melted but little,
frozen hard now.

"Antarctica" wet
& stiff -

Trees still loaded
with snow.

Old man + young woman
climbed Si up pass
and to pass east
of Beacon Hill. Good
reports.

Notebook 1c, May 16, 1992

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
401 PUBLIC WORKS BUILDING
SACRAMENTO

CALIFORNIA COOPERATIVE SNOW SURVEYS
SNOW SURVEY NOTES

Drainage Basin South Yuba River
Snow Course B. Eddy + E. Aspley
Party Sada Springs
Date 5/1/42

*Description or Number of Course (1)	Sam- ple Num- ber (2)	§Distance Between Samples (3)	Depth of Snow Inches (4)	Length of Core Inches (5)	Water Content Inches (6)	Dens- ity 100 x (6)/(4) (7)	Remarks
	1	<u>25'</u>	<u>69</u>	<u>65</u>	<u>28</u>		<u>Dirt</u>
	2		<u>74</u>	<u>66</u>	<u>33</u>		<u>✓</u>
	3		<u>72</u>	<u>61</u>	<u>28.5</u>		<u>Ice (wet)</u>
	4		<u>61</u>	<u>55</u>	<u>23</u>		<u>Dirt</u>
	5		<u>74</u>	<u>73</u>	<u>31.5</u>		<u>Both Ice</u>
	6		<u>76</u>	<u>72</u>	<u>33.5</u>		<u>Grass</u>
	7		<u>74</u>	<u>71</u>	<u>31.5</u>		<u>✓</u>
	8		<u>74</u>	<u>68</u>	<u>32.5</u>		<u>Ice</u>
	9		<u>71</u>	<u>64</u>	<u>30</u>		<u>Dirt</u>
	10		<u>77</u>	<u>72</u>	<u>33.5</u>		<u>Dead Grass</u>
<u>Average</u>			<u>72.2</u>		<u>30.5</u>	<u>42.2%</u>	
<u>From notebook 1c, May 16, 1942</u>							

*Show number or description as given on sketch map, i.e., "Course No. 1," or "Major Course," or "N 5° E," etc.

§Always start measurements for sampling from the *initial* point as shown by the sketch map of the course and follow the spacing for samples as indicated by the circles. Particular care should be taken to note any *irregular* spacing between samples.

No. of sheets. Comp. by checked by

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
401 PUBLIC WORKS BUILDING
SACRAMENTO

CALIFORNIA COOPERATIVE SNOW SURVEYS
SNOW SURVEY NOTES

Drainage Basin South Yuba River

Snow Course Summit

Party B. Eddy & Ed. Aspley

Date 5-11-42

*Description or Number of Course (1)	Sam- ple Num- ber (2)	§Distance Between Samples (3)	Depth of Snow Inches (4)	Length of Core Inches (5)	Water Content Inches (6)	Den- sity 100 x (6)/(4) (7)	Remarks
	1	—	69	63	29		Dirt
Key	2		76	70	35		✓
	3		78	74	34.5		✓
Course	4		83	78	39		✓
	5		80	77	38		Rock
	6		86	82	41.5		Dirt
	7		84	82	39		✓
	8		86	84	42		✓
	9		82	77	37		✓
	10		81	77	38		✓
	11		79	75	40		Dead Grass
	12		80	77	37		Dirt
	13		86	76	40		✓
	14		80	77	36.5		✓
Average			80.0		37.6	47%	

*Show number or description as given on sketch map, i.e., "Course No. 1," or "Major Course," or "N 5° E," etc.

§Always start measurements for sampling from the *initial* point as shown by the sketch map of the course and follow the spacing for samples as indicated by the circles. Particular care should be taken to note any *irregular* spacing between samples.

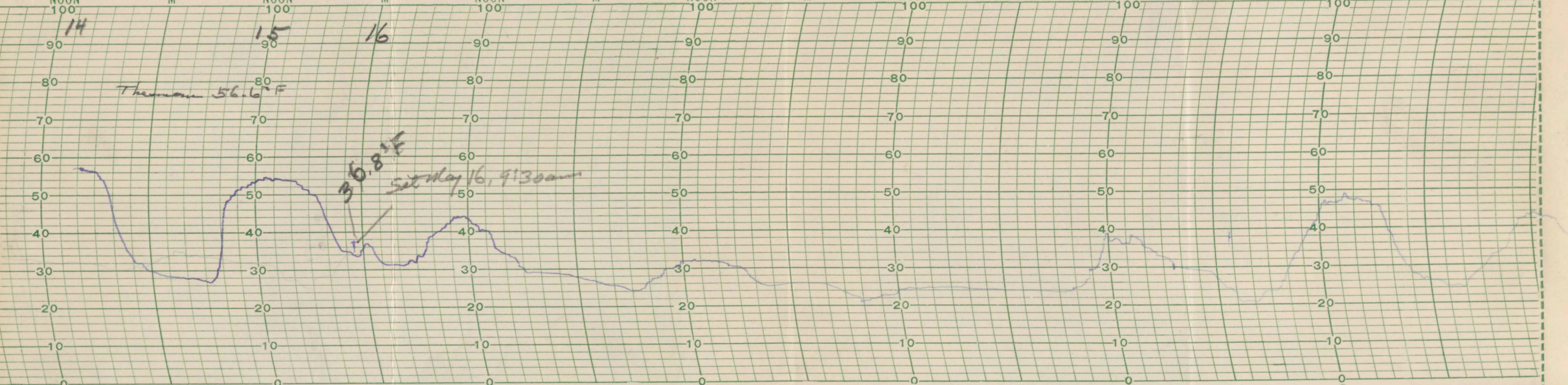
No. of sheets. Comp. by checked by

Thompson
74

MONDAY *Day 7/42* **TUESDAY** **WEDNESDAY** **THURSDAY** **FRIDAY** **SATURDAY** **SUNDAY**

6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10 2 4 6 8 10

NOON 100 M NOON 100 M NOON 100 M NOON 100 M NOON 100 M NOON 100 M NOON 100 M



May 22 -

River rising - muddy
Hot weather. Most
came from snow.
Observe on trip up.

Soda Springs

Temperature

May 16 9:20 a.m.

Therm 36.8 °F

Thermog. 37 °F

Elisha McArroy

Weather

Day	High °F	Low °F	Precip. in.	Humidity %	Wind
May 12	29	20	0.47	8	Clear
13	50	18			Partly cloudy
14	51	22			Partly cloudy
15	47	28	0.73	8	Partly cloudy
16	40	22	0.09	8	Partly cloudy

Precip. 0.82 May 13-16.

Fridge Records 50 in.?

But should add some for 1 in. for May 11-12 (2 pm - 2 pm)

~~up 21~~

May 12 - In triangle -

27.8

28.4

27.5

New snow

Two stories

3.0

2.8

2.7

Total 27.82

Precip

May 12

May 16

Precip

No. 6

26.8 0.82

28.4

No. 7

26.4

No. 8

23.5

27.6 1/2

~~Snow stake~~ 4 ft 8 in = 56 ⁴/₅

~~57~~
~~79 55.5 80.0 107.1~~

No 6

57.0 55.5 80.0 107.1 / 27.3

No 7 - Core bottom - 1 in capill. / 27.1
Ready to drip

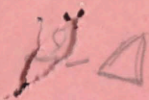
56.2 52.8 80.0 107.1 / 27.1

No. 8

55.2 52.3 80.0 107.3 / 27.3

Core moist at bottom.
3 1/2 in from bottom to clear-
ice stratum. But not readily.

No. 6 - Bottom of core moist
but does not pack pieces
loosely until moulded by hand



59.0 56.2 80 108.0 28.0

all cores complete to end of cutter teeth.

Capillarity at bottom 1/2 in. Moist, soft. Ready to melt.

59.8 57.3 109.0 29.0

Wet - 1/2 in.

59.0 56.0 108.8 28.8

Between 2 sticks -

New Sun Sun dot.

9.0 8.5 80 82.4 2.4

8.5 8.0 82.9 2.9

8.8 8.7 82.6 2.6

Recent newsun

4.3 3.2 80 80.7 0.7

newsun above orange pigment.

4.5 4.5 80 81 1.0

above orange pigment
5 → 4.5 4.5 80 21

Temp. ^{57 in} - Bottom of old snow
0°C

6 1/2 in. below surface
at bottom of recent new
snow + 1.0°C ^{12:30} + 1.0°C

10 in. at bottom of earlier
new snow + top of old
+ 0.2°C ^{12:30}

On snow 1 pm
Open - Sealed ^{19.0°C} ^{24.8°C}
~~20.7°C~~
Unsealed 15.4°C (21.8°C)

2 1/2 in. under snow ^{New melting snow} 5.6°C

13. But ~~marked~~ ^{marked} hastily.
Expect experiment.

Pigment did not enter
old snow at all +
scarcely penetrated the
new. Cold weather until
May 16?

Depth recent new 4 in
Old new and new new 6 1/2 in.

Pigment crawled up in new new snow

More pigment ^{old} on snow,
in pit 1 1/2 ft N. of pigment
stick & E of snow stake

Precip. in Trig Recorder
Sect May 11, 2pm - May 16
First day 1 in - ^{th.}
Entire period 1.5 in.

Snow in trees on
shaded slope ^{on} trees on
shaded slope.
Cold wet?

Should now snow from
old trees which melts
faster under ^{direct} similar
exposure to sun.
Ice seen over both
during stormy ^{part} of

Hennime

Mimi Schaar

Best regards and
much love!!

- 1 -

Seda Springs
Sunday May 24, 1912
11

Trucee not so roily as
last week but still
discolored.

Color fairly yellow-gray to
Joe Gray Creek, then only
half so to Trucee.

No flow from Little Trucee,
Water coming from Martin's
Creek. Snow about half way
up slope. Water in
meadow east of Trucee
clear. No subsion. Grass

River bank full but
no higher, a few willows
in water.

At Domes and on
grade water comes
from granite sand
bed is clean.

But at next crest of
Domes Summit

- 2 -
water in heavy rivulet
is cloudy -

Norden: - Only tiny
remnant of snow on
north slope of roof of
snow sheds.

Stream meanders
then snow into lake -
Patches of ice show
then snow on surface
of lake, lower beds
laid at at Soda Spgs.

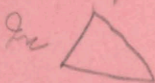
9:25 am, 51.5° F,
} Anceast, snow looks
old,

Water running thru
Soda Spgs ground flows
strong and clear

- 3 -

Snow stake 3ft 4in = 40¹/₄

Wt of sampler 79.6 lbs.



31.8 30 96.2

32 31.5 96.1
-0.5

32.5 31.5 95.9

Care camp.

Between 2 sticks

30.2 29.2 96.2

Care Camp

Care water guy at bottom
2 in. water ready to drip.
Water squeezes out, ^{max. capillarity}
But snow difficult to penetrate
with sampler midway -

- 4 -

Mid snow frozen but
ready to soften.

Top snow soft

net 1 in deep. Temp.
last night?

* Very coarse granular.
Measure mesh size

^{again}
Δ 32.5 31.5 97
- 0.5

Between 2 sticks ^{again}

31.2 30.5 96.2
- 0.5

No. 6.

30 29.3 96

Care comp.

Between two sets of No 6 Stations,

No. 7 - In midst of 3 No 7 Stations

31.5 Care 96.2
- 0.8 Comp.

Net grass

Capillary bottom 1 in. Ready to melt.

- 5 -

Sampling now easier
Name

No. 8. Between 2 No. 8 sets
7 feet apart,
29.4 29 95

- 0.5

Core camp. Grass & soil
drifting.

Temp - bottom of snow 0°C
5 in deep

" " can out +2.4°F C

" " sealed +3.8°F C

No 6 - 4 ft apart

7 - 6 ft apart

8 - 7 "

Temp - 20 in deep +1.2°F C

- 6 -

Pigment left in
pit on hard surface
cannot be found.

Some tiny traces
of pigment near
road but only
surface deep.

Shall we seek
another pigment,
but not liquid?

For home 12:45 pm

Meet at lunch a
↓ Mr. Robinson; deep bed
Scotchman, who

- 7 -

quoted vividly from
Bernie Buer Bush
and Burns.

Could have listed of
until tomorrow
Florence & I were
there.

— Weather —

Day	High	Low	Wind	Temp
May 16	40	22	09 in	71
			Pt cloudy	
17	51	26	Clear	66
18	54	23	"	60
19	59	28	"	54
20	66	34	"	48
21	72	32	"	44
22	69	33	"	40
23	54	25	"	38
24	58	31	"	36

Sampler 32 in

Snow stake 3ft 4in.

← Sample



State for
in green in
snow. For snow

are used

NOTEBOOK 12, May 16, 1942

$$\begin{array}{r} 12 \overline{) 414} \\ \underline{36} \\ 54 \\ \underline{48} \\ 60 \end{array}$$

$$\overline{) 345}$$