1/13/40

MT ROSE Scale

from mt. City R.S.

with tape 12½

add 10 — 10.4

20 — 20.5

30 — 30.2

40 — 40.1

50 — 49.9

with tape 20'

10 — 10.5

20 — 20.5

30 — 30.1

40 — ~~40~~ 40.0

50 — 49.6

12/9/40

My Rose scale from Tanbridge.

with tare 12½

add 10	—	9.6
20	—	19.6
30	—	29.0
40	—	38.6
50	—	48.0

with tare 20

10	—	9.6
20	—	19.2
30	—	29.0
40	—	38.1
50	—	47.5

11/26/40

Mt Rose Scale at Hamoille

With tare 12½ oz

add 10	Read	9.7
20	"	19.5
30	"	29.2
40	"	39.2
50	"	49.2

With tare 20

10	—	9.9
20	—	19.5
30	—	29.1
40	—	39.0
50	—	49.0

Bar 329
at Ely

turn 12½ – 3
add 10 – 13
20 – 23
30 – 33
40 – 43
50 – 53

11/14/40

Mt Rose Scale at Gold Creek

with 12½ tare:

add 10	– 9.8
20	– 19.4
30	– 29.5
40	– 38.8
50	– 48.7

with 20 tare:

10	– 9.8
20	– 19.7
30	29.2
40	– 39.0
50	– 48.9

11/13/40

USGCS 528

Cave Creek

tune 12½ – 4

cold 10 – 13.8

20 23.5

30 – 33.4

40 – 43.1

50 – 52.2

11/13/40
Mr Rose —
ORBE Scale
with 12½ tare

add 10 - 9.6
20 - 19.1
30 - 29.3
40 - 39.2
50 - 49.0

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with 20 tare
10 - 9.8
20 - 19.3
30 - 29.3
40 - 39.1
50 - 49.0

11/12/40

Murphy Scale

Edmond Mt Rose

with 12½ Tare

add 10 - 9.9

20 - 20.0

30 - 30.0

40 - 39.8

50 - 49.7

with 20 Tare

10 - 9.8

20 - 19.7

30 - 29.5

40 - 39.3

50 - 49.1

11/11/40

Mt Rose Sewer #2

Wells.

with 12½ tare.

add		
10	Read	9.2
20		19.4
30		29.2
40		39.1
50		49.2

with 20 tare

10	9.5
20	19.3
30	29.1
40	39.1
50	49.2

11/7/40

#526 BAE

with tare 12½

Read 2½

add 10 Rd - 12½

20 Rd - 22½

30 Rd - 32½

50 Rd - 52½

Purdie V. 11/6/40
Mt Rose
With 12½ tare.

add 10 — Read 9.2
20 — " 19.
30 — 29
40 — 39

Cleaned
them with 12½

10 — 9.8
20 — 19.5
30 — 29.3
50 — 48.9

With 20 tare

10 — 10
20 — 19.6
30 — 29.5
50 — 49.0

Scale 591
U.S.B.A.E. Mt Charleston

With 12½ oz tare = 0

+10 Read 10

+20 Read 20

+30 Read 30

+50 Read 50

Tested 11/5/40
Reno, Nevada
Carl Elgs.

Scale to be used
on Charleston, Nev.

Mt Rose Scale
Marked 2 on upper
flank that holds
ring.

Sent to McGowen
Jan. 1935
for Special 4'2"
Set.

Purchased
Jan 1935

Initial weight = 2.50#

Wt (025)	Scale Reading	Corr. Reading	Error
2.71	2.6	2.7 -	-0.1
5.42	5.2	5.3 -	-0.1
8.13	7.8	8.0 -	-0.2
10.84	10.5	10.6+	-0.1
13.55	13.2	13.3 -	-0.1
16.25	16.0	15.9+	+0.1
39.25	39.0	38.5-	+0.5
60.75	59.7	59.5+	+0.2
82.25	80.7	80.6+	+0.1
106.75	104.5	104.6+	-0.1
130.25	127.8	127.6+	+0.2
154.75	152.0	151.7-	+0.3

Initial wt = 3# 13½ oz.

2.71	2.8	2.7	+0.1
5.42	5.3	5.3	0
8.13	8.0	8.0	0
10.34	10.2	10.6	-0.4
13.55	13.0	13.3	-0.3
16.25	16.0	15.9	+0.1

Initial wt. on scale = 2.64#

Over

Wt. used lbs.	Scale Reading	Corrected reading for wts
0.2	3.1	3.1+
0.4	6.2	6.3−
0.6	9.5	9.40+
0.8	12.5	12.5+
1.0	15.8	15.7−
2.0	31.8	31.3
3.0	47.6	47.0
4.0	63.0	62.7
5.0	79.1	78.4
6.0	94.5	94.0
7.0	110.3	109.7

Jan. 5TH

Walt Herz

$1\frac{1}{2}$" cyl water wgs. .063808#

$1\frac{1}{2}$" diam = 1.767 □" area

$$\frac{1.767 \times 62.4 \text{ \# p.c.f. water}}{1728 \text{ cu in per cu ft.}} = .063808$$

$$\frac{1}{.063808} = 15.67\text{" depth of water for 1 lb. wt.}$$

over

Data
Snow sampler
tests

No. Of SCALE----U.S.W.B.-1

Initial weight on scale --2.64 pounds

Weight placed on Scale (Pds.)	Reading on Scale	Error
0.2	3.1	0
0.4	6.2	+0.1
0.6	9.5	+0.1
0.8	12.5	0
1.0	15.8	+0.1
2.0	31.8	+0.5
3.0	47.6	+0.6
4.0	63.0	+0.3
5.0	79.1	+0.7
6.0	94.5	+0.5
7.0	110.3	+0.6

Jan 5 1935

Initial Weight 2# 15½ oz

Mt. Rose Scale
Marked 1 on upper
shank that holds
ring.

Sent to McKenzie
Jan 1935
for Lamoille old
set.

Purchased
Jan 1935

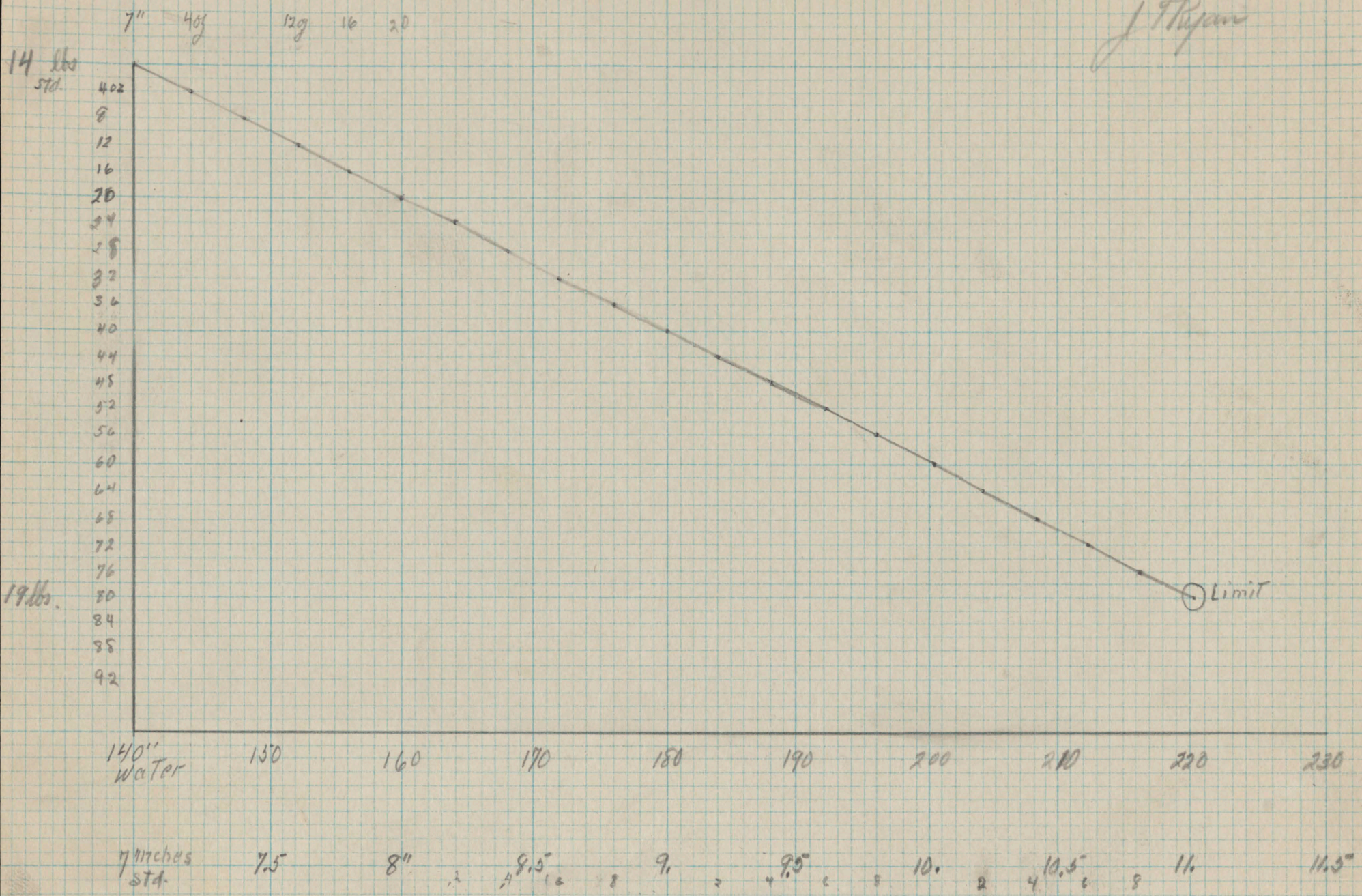
Wt ADDED	Scale Reading	Correct	Error
4 oz	3.9	3.9	0
8 oz	7.8	7.8	0
12 oz	11.5	11.8	-0.3
16 oz	15.1	15.7	-0.6
24 oz	22.3	23.5	-1.2
32 oz	30.1	31.3	-1.2
40 oz	37.9	39.1	-1.2
48 oz	45.7	47.0	-1.3
56 oz	53.7	54.8	-1.1
64 oz	61.5	61.4	+0.1
72 oz	69.4	69.2	+0.2
80 oz	77.6	77.1	+0.5
88 oz	85.7	84.9	+0.8
96 oz	94.0	92.8	+1.2
104 oz	101.8	100.6	+1.2
112 oz	109.8	108.5	+1.3
120 oz	117.5	116.3	+1.2
128 oz	125.2	124.2	+1.0
134 oz	133.1	132.0	+1.1
142 oz	140.6	139.9	+0.7

To Fleming

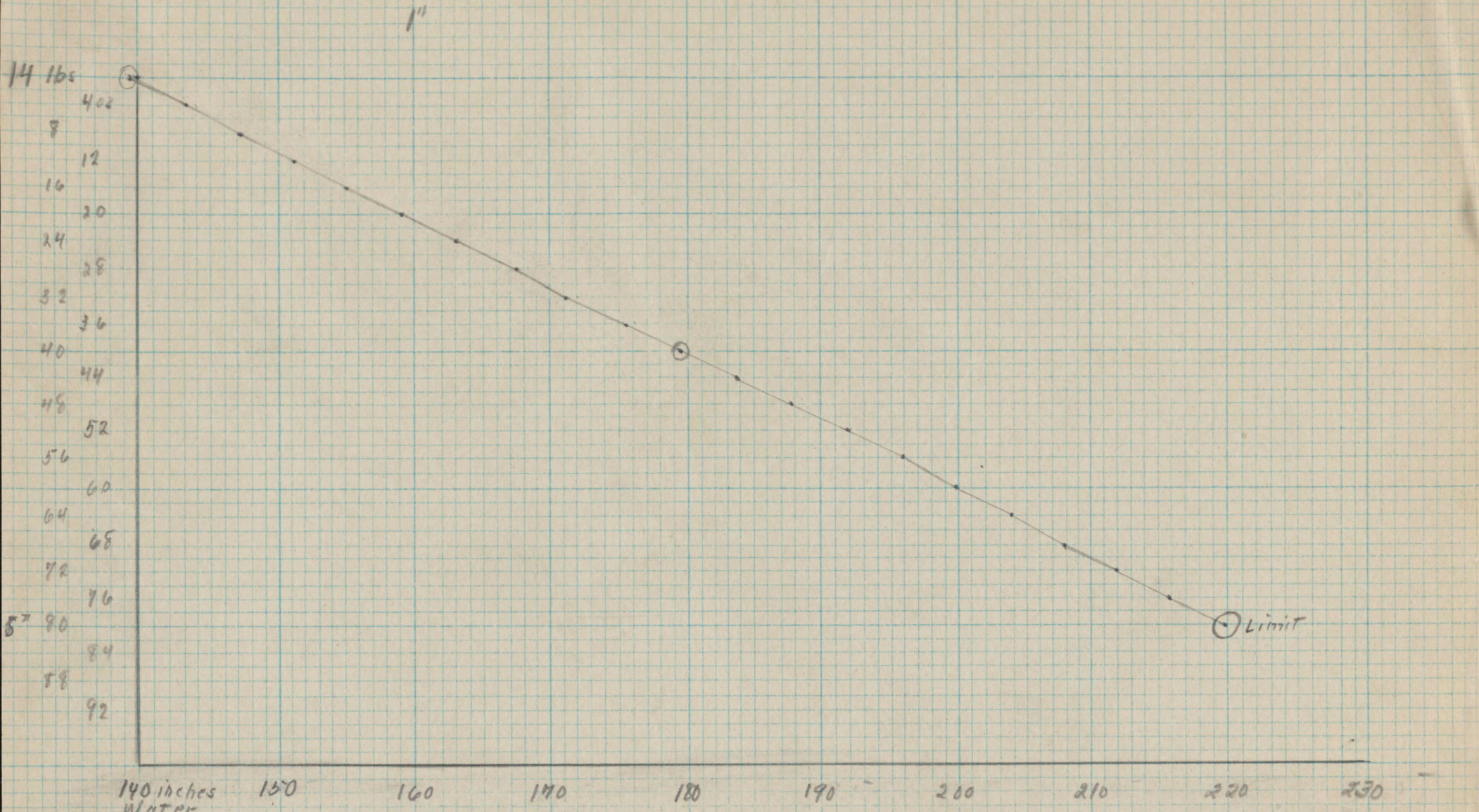
Scale No 383

Elongation curve of spring from
14 lbs to 19 lbs March 22 1939

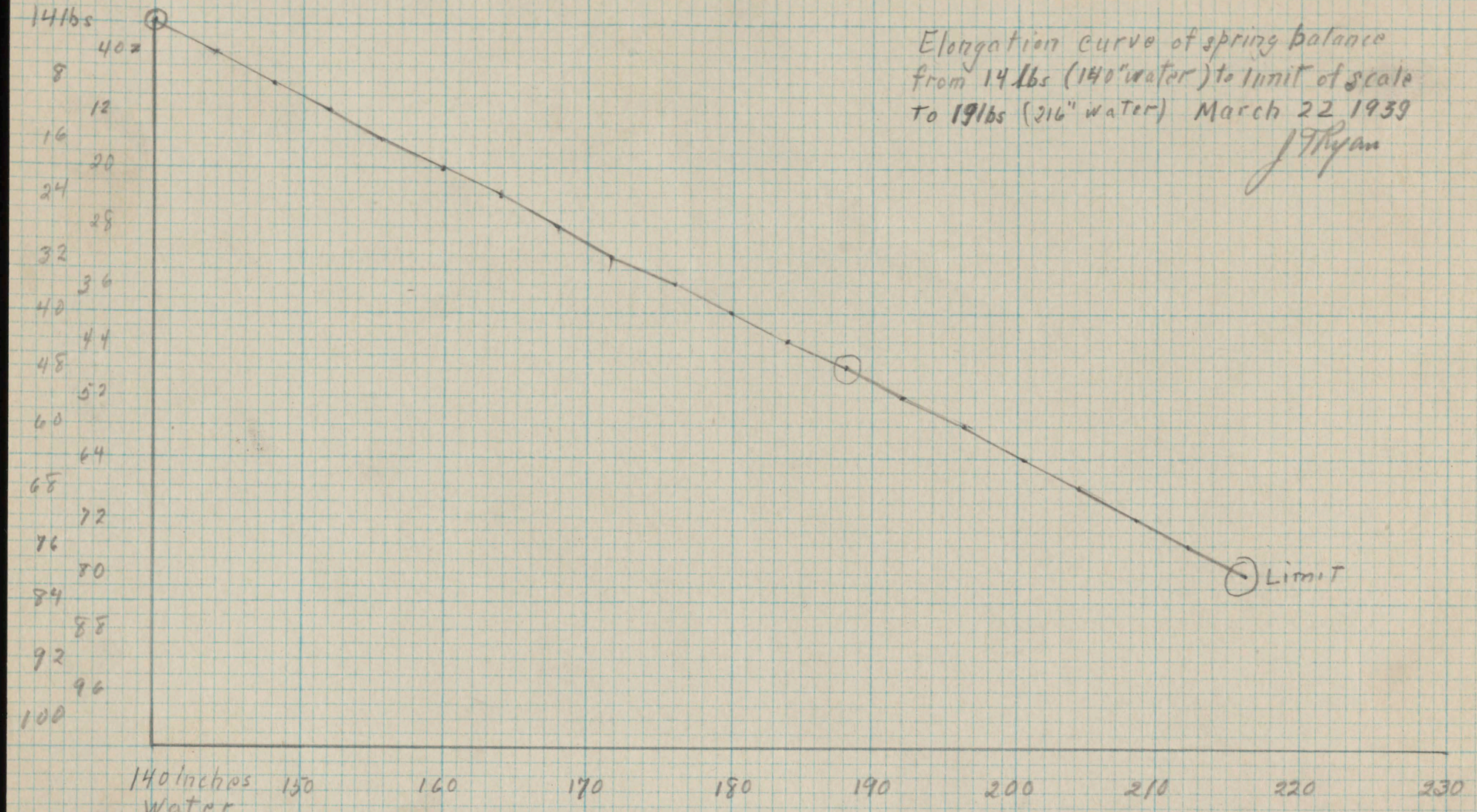
J T Ryan



Scale No. 385


1"
14 lbs
4 oz
8
12
16
20
24
28
32
36
40
44
48
52
56
60
64
68
72
76
5" 80
84
88
92
Limit
140 inches Water
150
160
170
180
190
200
210
220
230
0
.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5

Scale No 386



Elongation curve of spring balance from 14 lbs (140" water) to limit of scale To 19lbs (216" water) March 22 1939

J Ryan

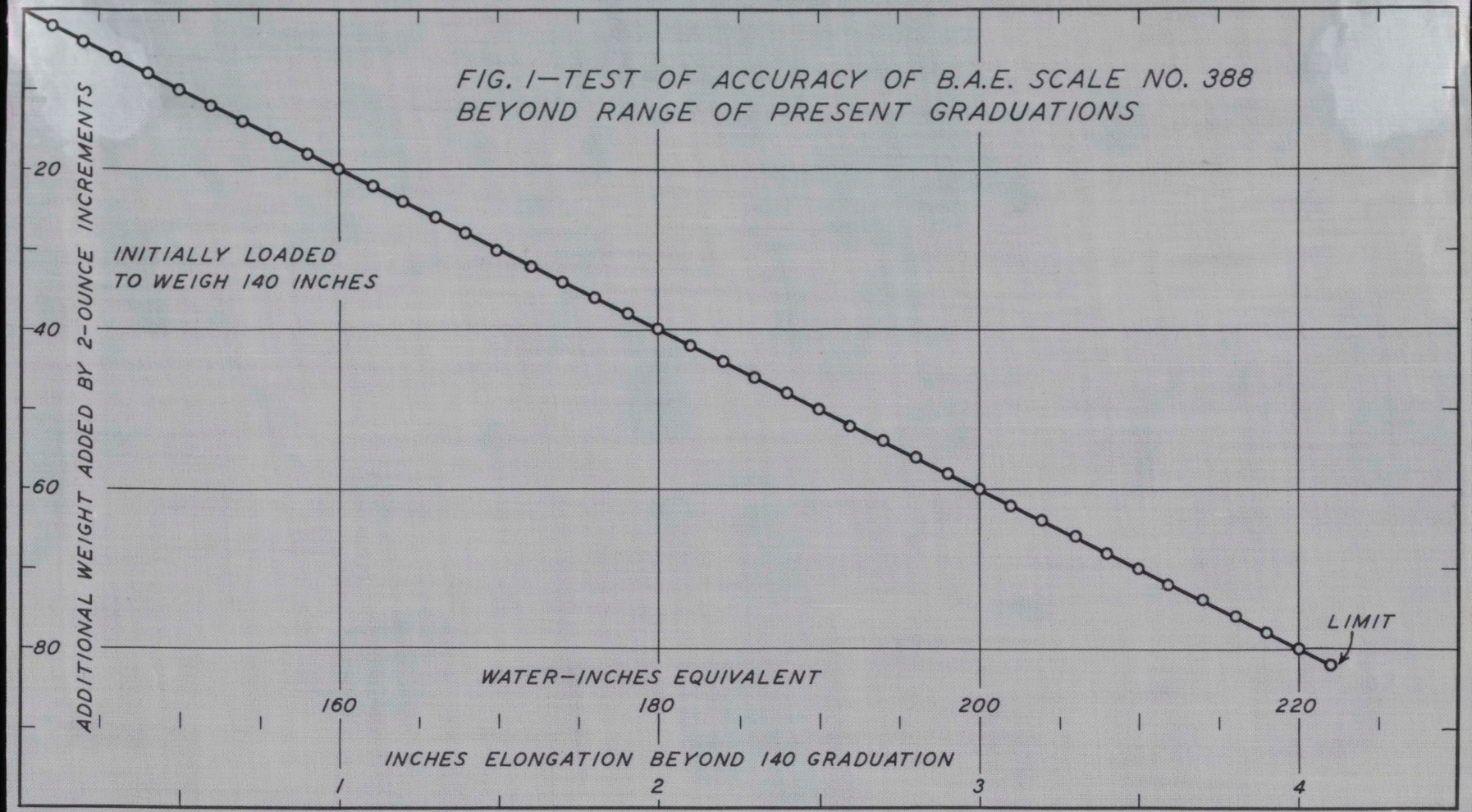


FIG. 1—TEST OF ACCURACY OF B.A.E. SCALE NO. 388
BEYOND RANGE OF PRESENT GRADUATIONS
ADDITIONAL WEIGHT ADDED BY 2-OUNCE INCREMENTS
20
40
60
80
INITIALLY LOADED
TO WEIGH 140 INCHES
LIMIT
WATER—INCHES EQUIVALENT
160
180
200
220
INCHES ELONGATION BEYOND 140 GRADUATION
1
2
3
4

MT. ROSE SPRING BALANCE
SCALE MARKED 10 SENT TO FRANK ORBE DECEMBER 14, 1939

INITIAL WEIGHT - 2 pounds 2 ounces.

Weight added	Reading	Correct Reading	Deviation of Actual from correct
2.18 oz	2	2.14	ok
2.18	4	4.28	ok
2.18	6.2	6.42	ok
2.18	8.5	8.56	ok
2.18	10.8	10.70	ok
2.18	13.0	12.84	ok
2.18	15.1	14.98	ok
2.18	17.2	17.12	ok
2.18	19.2	19.26	ok
2.18	21.5	21.40	ok
2.18	24.0	23.54	plus .46
2.18	26.3	25.68	plus .62
2.18	28.6	27.82	plus .78
2.18	30.8	29.96	plus .84
2.18	32.8	32.10	plus .70
2.18	35.0	34.24	plus . 76
2.18	37.2	36.38	plus .82
2.18	39.8	38.52	plus 1.28
2.18	42.0	40.66	plus 1.34
2.18	44.2	42.80	plus 1.40
2.18	46.4	44.94	plus 1.46
2.18	48.7	47.08	plus 1.62
2.18	51.0	49.22	plus 1.78