1913

Friday 1

Saturday 2

1913

Saturday 2

1899

4 heifer

Minor 100 Grass

PAB 30 G

2 heifer

250 Minor
25 PA Blue

Hard Glass

30	SiO_2	150
10	CaO	50
10	Na_2CO_3	50
150	Flint Bt[illegible]	250
	5 Grms	10
	50 "	100

Blue

Minor

not enough color

added 200 Grams

there was too much lead to stick

1913

Sunday 2

1912

100 R

400 of below
10 $PbSO_4$
4 Borax

150 S
8 P
25 Na N
65 Na V
4 $BaCO_3$
4 Borax
1½ Bro
4½ or CaO

Pomona

	350	
SiO_2	~~300~~	150
Pb_3O_4	50	3
$NaNO_3$	50	25
Na_2CO_3	100	65
$BaCO_3$	8	4
MnO	3	1½
CaO	9	4½
		348

SiO_2	150	Try a Nagel
Pb_3O_4	8	
Na_2CO_3	65	
$NaNO_3$	25	
$BaCO_3$	4	
MnO	1½	
CaO	4	

1913

Monday 263 4

Pomona 213

100 g Batch acid
20 " Hig Bbl

---

too Green
added 20 g H. Bbl

Grew Pomona

260 Grew Called

260. Plant Bch.

1913

Tuesday 5

1813

added to below —

SiO_2	134 =	270
Na_2CO_3	68.4	135.8
$CaCO_3$	23.2	46.4
Al_2O_3	7.50	13.0
Borax	2.0	4.0

+ 200 g MnO_2
30" Bl

Too hard [illegible]
& added. 50 Na_2CO_3
15 $NaNO_3$

Soda Glass

			P.G. %
SiO_2	67.0	70	= 57.50
Na_2CO_3	29.0	35	24.70
$CaCO_3$	9.6	10	8.25
CaF_2	1.6	$1\frac{1}{2}$	1.23
Al_2O_3	8.3	8	6.60
B_2O_3	2.0	2	1.65

Melted in small pot-
11 to 12 1 30

altered added

SiO_2 20
Na_2CO_3 10
$CaCO_3$ 8

1913

Wednesday 6

1915

Hunt with S/ant. Pb_3O_4

SiO_2 · 365

Pb_3O_4 80

Na_2CO_3 ~~117~~ – 120

$NaNO_3$ 20

Borax 4.

Sel. ·60

Co_2O_3 ·10

good color dragladed & melted again with ·60 Sel

Hard to melt properly.

1913

Thursday

See over

7

added as under,
with two extra Color

SiO_2	182½	547½
Pb_3O_4	40	120
Na_2CO_3	90	210
$NaNO_3$	15	35
Boras	2.	6
Sel		Grams 1'10
CoO		" '10
$CaCO_3$	10	10

This makes it as

was a good Color but hard to melt. fine seeds.

Regular Hand-work Sel.

	Lbs.	
SiO_2.	1820	
Pb_3O_4	980	
Na_2CO_3.	600	
$NaNO_3$	100	
Ca_3PO_4	3	
As_2O_3	1	Gram
Sel.		-6.25-
Co_2O_3		.10

Very good color wants a little more say ~~12.25~~ 60.00

1913

Friday

alab. yellow
to match dome lights.

100 alab
5 clay.
2 cyolite
100 UnO. OK.

1913

Saturday

Soda Glass Flux:

SiO_2	61.00	= 305.00
Na_2CO_3	25.50	127.50
$NaNO_3$	5.00	25.00
$CaCO_3$	7.20	36 00
Borax	.75	3.75
As_2O_3	.50	2.75

1913

Sunday 10

1

Btch 90

Iron Scales - 10

2

Btch 90

Iron Scales 10

Cu-04 1

246

Btch	90
FeSO4.	10
Tartar	1
Carbon	1

247

Btch	92.	460.00
Cerum	6.30	31.50
NiO	.04	.20
Fe2O3.	1.60	8.00
Cr2O4	.06	.30

1913

Monday 1 1

[illegible]

2448

Btch	94.80
Cem	4.72
Li_2O	.30
Na_2O	.30
$CoSO_4$	.08

1913

Tuesday 12

150

Blck 90

Cem 8·13·

Nickel Sulphate ·07

AnO 1·80

158

Blck 89·75

Cem 8·13·

Fe2O3· 2·03·

Cr2O3· ·09

1913

Wednesday 12

1913

Decolorizer

2 lbs of Sel
1 or 2 Cobalt.

use 4½ oz of above to
1 lb of Charcoal. to
1000 SiO2.

1913

Thursday 1 1

Etching paste

No 1 1½ lb Ammonium flouride
1. H.F.

No 2. 4 oz Gum adragynaeth powder
4" Ammonia Liquid.
4" Water
1/2" Lamp Black -
Mix well in Tin Box
and Boil in water 1/2 hour

---

over

1913

Friday 1 [illegible]

No 3

4 ozs of No 1.

2" Magnesia Carbonate

1" Starch

1/2 No 2.

Mix well. Use on plates for prints.

1913

Saturday 1 6

Polishing

5 lb of H_2SO_4
1 " H_2O.
1/2 HNO_3
4 1/2 H.F.

Frosting Bath.

3. lbs Am. Fluoride
2 " H.F.
let stand 1 Hour
take of Clear Solution.
2 ~~parts~~ parts:
1 ~~pt~~ Soda in lumps washing
2 or. White Lead,

1913

Sunday 17

SiO_2 302

K_2CO_3 50 any by

$PbSO_4$ 193

HNO_3 24

As_2O_3 .500

B_2O_3

1913

Monday 10

Soda Btch.

SiO_2	305.00
Na_2CO_3	127.50
$NaNO_3$	25.00
$CaCO_3$	37.50
Borax	3.75
As_2O_3	2.75

1913

Tuesday 10

1815

360
2
720

360
2
720

260
2
520
110
530

Пиксоз Пипоз

53 = 42.5

160 = 80

Crookes 91B. C.S.N.

SiO_2	366 = 365	
Na_2CO_3	153 - 150	
$NaNO_3$	30	
$CaCO_3$	60 = 50	
$Cr\ Ox$	35	= 1/2 g light col.
Borax	4	1/2 " dark "
As_2O_3	3	
	648.	

Cl Na_2CO_3 100
25 1/2 $NaNO_3$ 73
5
8
5 3/4 =
.662
.5

1913

Wednesday 20

92 ©

SiO_2	360
Na_2CO_3	150
$NaNO_3$	30
$CaCO_3$	45
Borax	5
As_2O_3	2
100	35
CoO	3/4 oz
NiO	13 oz
Li_2O	12 oz

Acid Crucible

Crookes. 91 C.

for Sealing to Flint.

SiO_2	325
Na_2CO_3	115
$NaNO_3$	25
$CaCO_3$	65
Cer Ox	30
Feldspar	28

1913

Thursday 2.1

230

.45

2

90

95

2

190

Fuezal Green

	45 D.	45 C	45 A.
SiO_2	345	345	345
Na_2CO_3	115	115	115
$NaNO_3$	25	25	25
$CaCO_3$	95	95	95
Feldspar	30	30	30
As_2O_3	1	1	1
Rutile	8	8	8
Sodium Chromate	6 oz	10 oz	2 lbs
Na_2O	1 oz	1 oz	4 oz

1913

Friday 22

Golden Amber.

	33F.	33E -	33D.
SiO_2	365	365	365
Na_2CO_3	140	140	140
$CaCO_3$	95	95	95
Rutile	8	8	8
Carbon.	1/2	1/2	1/2

33E

SiO_2	—	345	—
Na_2CO_3	—	135	—
$CaCO_3$	—	95	—
Feldspar	—	30	—
Rutile	—	8	—
Carbon	—	2.	—

1913

Saturday 22

1913

39. T. Nouweld

SiO_2 - 138 No 6 Shade.
Na_2CO_3 30
Boras 50
Fe_2O_3 10
Carbon - 1 1/2.
Sulphr 1 1/2.

No 12 Shade double Color
" 3 " 1/2 Color.

1913

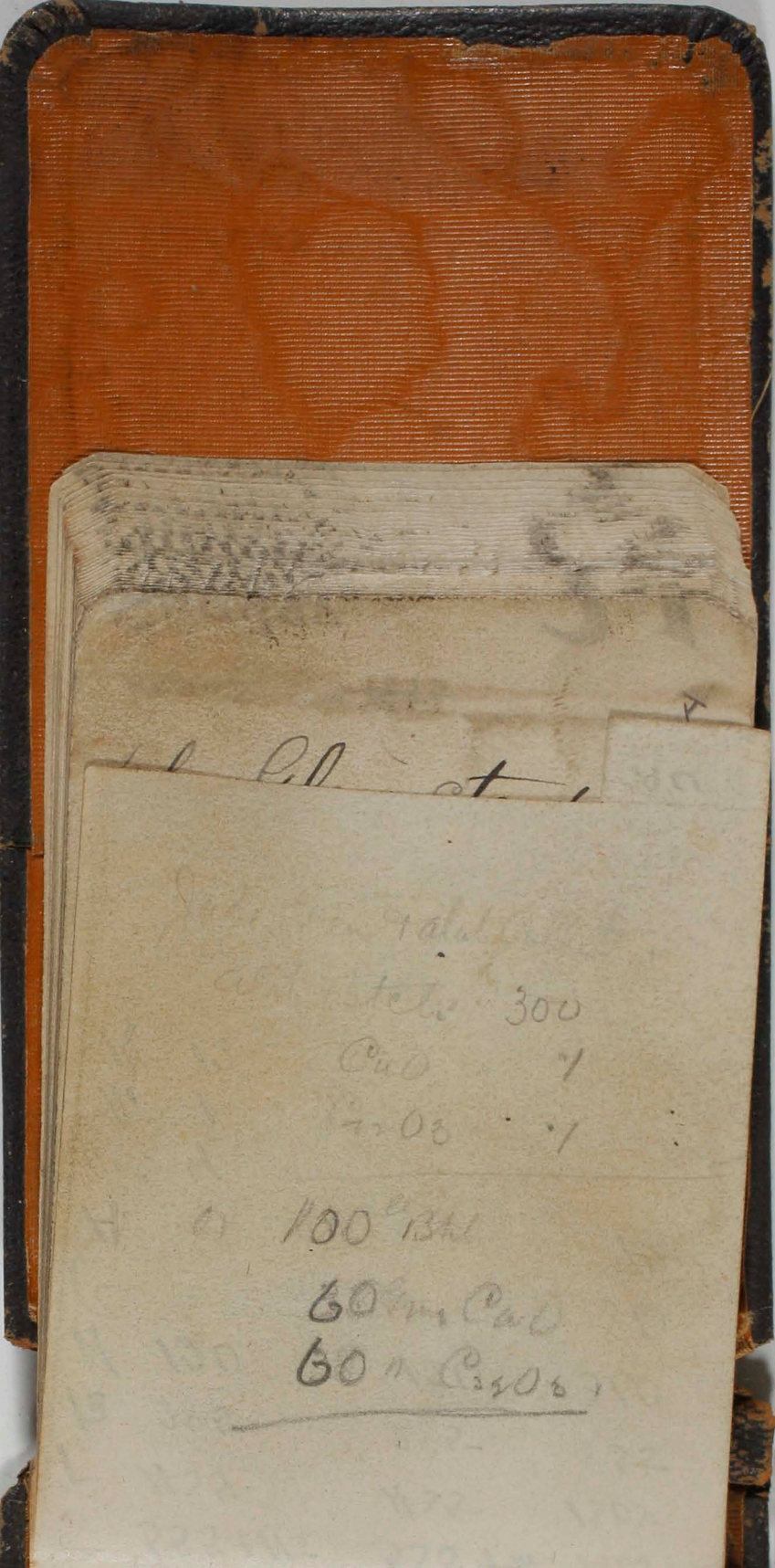
Sunday 2 4

When Glass stands
Out & no In
add K_2CO_3
or $NaCO_3$

When In & not out
add SiO_2

S	555+115	335+60	1965+20
P	435	435	1305
B	285	285	855
N	120	120	360
C	—		80
A	—		42
ag.	9		
Ni	1		— 100
K	12		

R T W P G B AU



ALB. for the [illegible]

SiO_2	345·8	172·9	86·45
Pb_3O_4	56·8	28·4	14·2
Na_2CO_3	86·4	43·2	21·6
Cyolite	~~20·16~~	~~10~~ 7.50	~~5~~ 3.75
Al_2O_3	60·	30·	15
$NaNO_3$	32·	16	8
Borax	8	4	2
$CaSO_4$.	5	2½	1¼

12 hrs melt.

yellow [illegible]

R T W P G B A

Yellow · alabaster

150 alb Batch

4 Ur.O.

495.Y.

" Yellow alb.—

to match dome lights.

100 alab Batch	100	
5 China clay.	10	10
2 Cyclite	2 1/2	4
1/2 CaSO4	1/2	1
1 or Ur.O.	1 or	2 or

SiO_2 218.

Pb_3O_4 145–

Borax 90

$NaNO_3$ 40

Ca_3PO_4 4

As_2O_3 3

Yellow opal one

200 g above Blch

½ Un_2O.

R T W P G B

Au 1 & 1 Brown A 41

S. 63
P 36
B. 24
$NaNO_3$ 10
Na_2CO_3 1 + 4
Fe_2O_3 7
MnO_2 5

was too hard added 4 Na_2CO_3
made it. O.K

R T W P G B

All Blue for Casing -
200 of Antwhite Called
200 Grms of CoO.

Celeste Blue / 201X1

F Btch 260

$CuO + \frac{1}{5}\frac{1}{2}\ Na_2CO_3$

Dorg. Blue for Hard.

SiO_2	54½
Pb.	36½
$NaNO_3$	19.
CaO	½
Na_2CO_3	8¼
Ca_3PO_4	8
As_2O_3	1½

R T W P G

Black

260 Siftings
50 Btel
6 MnO2

Flint Brown or Amber

F Batch 260

22 Fe_2O_3 4

21 MnO_2 1½

+3 Na_2CO_3

~~7 SiO_2~~

pale Blue to work with above.

F Batch 100

~~SiO_2 10~~

24 Co.O. 20 Grms.

10 Batch + 5 Na_2CO_3 7 [illegible]

+10 Na_2CO_3

R T W P G

200 Btd
10 Gm CoD
10 NarCos

100 Btd
20 CoD
5 NarCos

Brown for Hut. (F3)

SiO_2	63 3/4
Chrom	15 —
Na_2CO_3	18 + 5
$NaNO_3$	5 —
Borax	4
MnO_2	4 1/2
Fe_2O_3	16 1/2

did not stand added 6 Na$_2$CO$_3$

R T W P G

Blue & work with this

100 Blue Cullet
30 Batch
250 grams CoO
5 Na_2CO_3

1 G.

added 5 Na_2CO_3
5 Batch
this was worse
added 5 Batch
10 SiO_2 & 25 Gr CoO

F Batch 260
F Cullet. 32
Cr_2O_3 2.
CuO. 3.
Na_2CO_3. 8
SiO_2 5

Olive Green light from ~~at~~ No 7
3 weights of 260 above Cullet.
1 " " F Cullet

R T W P G

4 G No 7.

SiO_2	200
Pb_3O_4	85
Na_2CO_3	75
$NaHO_3$	15
CuO	10 or
Cr_2O_3	6 or
$BaCO_3$	6 el
Borax	5 "

Air Green.

SiO_2	60	100R 235
Pb_3O_4	36	of Blch & Calbet.
B.	24	& added 2 Na_2CO_3
$Na \cdot NO_3$	10	OK on or out.
Na_2CO_3 K_2CO_3	~~2~~ 6	
CaO	3	
Cr_2O_3.	1	

136

did not stand on Feb 7th 1917

added 2 Na_2CO_3 to above

R T W P

G 401 BE C.G.W.

SiO_2	342	171 — 171	1
Na_2CO_3	150	75 — 75	6
$NaNO_3$	30	15 — 15	7
$CaCO_3$	70	35 — 35	13
CuO	5	2½ — 2½	43
K_2CrO_4	4.	1 Cr_2O_3 — 2	33

MnO 15 Gram

Rutile 2 Ch.

R T W P

Hoyle Purple.

234 X

4 weights of 260. F Seftings
1 " 260 " Blch
12 MnO2.

R T W P

Pomona. Green

SiO_2	250 lb	300
Na_2CO_3	130	130
$NaNO_3$	50	50
Pb_3O_4	6	10
$BaCO_3$	8	10
Cr_2O_3	3	3
CuO	9 oz	9 oz

R T W

N. White / 420 x 11

S.	700	— 350	700
P.	200	— ~~100~~ 50	~~100~~ 90
N	170	— 85	170
	40	20	40
NO_3			6
B	6	— 3	
CaF_2	85	42½	100
Zel	85	42½	100
MnO_2	1½	— ¾	.1
Cyolite	3	1½	3

R T W

F. W. 260

Aug 1918. 40 [illegible]

F White [F 260]

F Btch 300

20. Ca_3PO_4 20

28. As_2O_3. 10

6. Na_2CO_3 - 28. +5 ~~+5~~ 35

1. SiO_2 71

429

Stood out not in added

5 Na_2CO_3 made O.K

Nov 1916

did not stand in Feb 7th

added 5 Na_2CO_3 to

445 gallon O.K

R T

730
80
650
190
750

4

Topar.. (44)

820 Blch 4 1/4 hr O.

410 — 2 l.

260 — 1 ll

R T

dark Topaz

260 Hm 1 Btch

$2\frac{1}{2}$ WO

$\frac{1}{2}$ MnO_2

---

for Schmidt

---

trial for Golden Topaz
as E.A. Co sample.

100 lbs of Topaz Btch
1/2 " " UrO (44)
1 1/2 " Fe2O3 (22)
1/2 MnO2 (21)

N.G. 100 much like
amber with a dark caste
try Cd.S.

R

April 1919

Stood out not in 189

added 108

+ 10 cl NaCO3 220 OK

30

6

4 1/2

1 1/2

30 9 an. 3/4

410 3/4

73

Au. Ruby.

1	SiO_2	63
3	Pb_3O_4	36
9	Borax	24
5	KNO_3	10
4	K_2CO_3	2
42	Reg Ant	1 1/2
31	Sn_2O_3	1/2
21	MnO_2	1/4
37.	Au	10 Grams

Did not stand with Calcite
added 20 SiO_2 OK

R

395
40
355

Ruby for Flint

SiO_2	95-
Pb_3O_4	85-
K_2CO_3	45- or
Rg Ant.	3·2
Sn_2O_2	1-0-16
MnO_2	13·8
Au	28 Grains

Sel Ruby S.R.20

SiO_2	106	54
Na_2CO_3	46	26
ZnO	10	6
Cryolite	4	
CdS	24 or	
Sel	6 or	

This turned fine transcendent
Red made vases
Stood well

— 24 — A

SiO2	108	54
Na2CO3	52	26
BaCO3	20	10
[illegible]	5	2½
CaS	3	1½
SiS	.30	.26

244 Cd S. yellow

		A	B
SiO_2	54	108	[illegible]
Na_2CO_3	26	52	7[illegible]
$BaCO_3$	10	20	30
[illegible]	3	3	3
Cd S	1.5	1.5	1.5
	Yellow	[illegible]	[illegible]

Added 1½ [illegible]

[illegible] A.B.