

W333

333

333

EX-151011
MICROFILMED
JAN 12 1965

Checked
Plotted.

EEE #

Our Leather Bound Engineers Note Books are carried in the following rulings:

- No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.
- No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.
- No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
- No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

CHICAGO, ILL.

Index.
Field Notes of Coordinate
Cross Sections of El Capitan
Dam Site. 1932.

Feb. 10 to March 9, 1932.

Converse

Elliott

Simpson

Louden

Contd. from Book # 332-A

B.M.	7.18	607.18	600.00	3320 5000 Hub
N 3310				
E 5000		1.1	606.1	✓ ✓
N 3330				
E 5000		10.9	596.3	✓ ✓
N 3330				
E 5010		10.6	596.6	✓ ✓
N 3320				
E 5010		6.3	600.9	✓ ✓
N 3320				
E 5020		6.4	600.8	✓ ✓
N 3330				
E 5020		11.3	595.9	✓ ✓
N 3330				
E 5030		10.7	596.5	✓ ✓
N 3320				
E 5030		5.5	601.7	✓ ✓
N 3310				
E 5040		1.6	605.6	✓ ✓
N 3320				
E 5040		6.1	601.1	✓ ✓
N 3330				
E 5040		10.6	596.6	✓ ✓
N 3340				
E 5040		14.0	593.2	✓ ✓
N 3330				
E 5050		10.6	596.6	✓ ✓
N 3320				
E 5050		6.2	601.0	✓ ✓
N 3310				
E 5050		2.0	605.2	✓ ✓
N 3310				
E 5060		1.7	605.5	✓ ✓
N 3320				
E 5060		6.0	601.2	✓ ✓
N 3330				
E 5060		10.7	596.5	✓ ✓
N 3330				
E 5070		11.0	596.2	✓ ✓
N 3320				
E 5070		7.2	600.0	✓ ✓
N 3310				
E 5070		2.0	605.2	✓ ✓
N 3310				
E 5080		2.7	604.5	✓ ✓
N 3320				
E 5080		8.1	599.1	✓ ✓
N 3330				
E 5080		12.1	595.1	✓ ✓

W.H.S.

Converse Chief Feb 10-32
Elliott Notes Raining
Simpson Level
Louden Rod

2

607.18

3330				
N 3320	11.0	596.2	✓	✓
E 5090	8.1	599.1	✓	✓
N 3310	3.3	603.9	✓	✓
E 5090	3.4	603.8	✓	✓
N 3320	7.3	599.9	✓	✓
E 5100	10.2	597.0	✓	✓
N 3330	9.7	597.5	✓	✓
E 5110	6.3	600.9	✓	✓
N 3310	2.8	604.4	✓	✓
E 5110	2.4	604.8	✓	✓
N 3320	5.3	601.9	✓	✓
E 5120	8.0	599.2	✓	✓
N 3330	10.9	596.3	✓	✓
E 5120	9.7	597.5	✓	✓
N 3340	6.4	600.8	✓	✓
E 5130	3.3	603.9	✓	✓
N 3330	4.8	602.4	✓	✓
E 5130	8.2	599.0	✓	✓
N 3320	11.8	595.4	✓	✓
E 5140	10.7	596.5	✓	✓
N 3340	7.2	600.0	✓	✓
E 5150	4.4	602.8	✓	✓
N 3330	3.4	603.8	✓	✓
E 5160	5.9	601.3	✓	✓
N 3340	9.1	598.1	✓	✓
E 5160				

W.H.S.

602.18

N	3350				
E	5170	10.7	596.5	✓	L
N	3340				
E	5170	6.1	601.1	✓	L
N	3330				
E	5170	3.4	603.8	✓	L
N	3330				
E	5180	4.0	603.2	✓	L
N	3340				
E	5180	7.4	599.8	✓	L
N	3350				
E	5180	12.4	594.8	✓	L
N	3350				
E	5190	12.0	595.2	✓	L
N	3340				
E	5190	8.0	599.2	✓	L
N	3330				
E	5190	4.7	602.5	✓	L
N	3330				
E	5200	5.8	601.4	✓	L
N	3340				
E	5200	8.7	598.5	✓	L
N	3350				
E	5200	10.0	597.2	✓	L
N	3360				
E	5200	10.8	596.4	✓	L
N	3360				
E	5210	8.3	598.9	✓	L
N	3350				
E	5210	6.2	601.0	✓	L
N	3340				
E	5210	5.1	602.1	✓	L
N	3330				
E	5210	2.9	604.3	✓	L
N	3340				
E	5220	1.5	605.7	✓	L
N	3350				
E	5220	4.0	603.2	✓	L
N	3360				
E	5220	6.7	600.5	✓	L
N	3370				
E	5220	9.1	598.1	✓	L
N	3370				
E	5230	7.4	599.8	✓	L
N	3360				
E	5230	5.1	602.1	✓	L
N	3350				
E	5230	2.7	604.5	✓	L
N	3360				
E	5240	3.5	603.4	✓	L

W.H.S.

Feb 10 - Rain

8

607.18

N 3370			6.2	601.0	✓	L
E 5240						
N 3370			4.0	603.2	✓	L
E 5250						
N 3360			1.9	605.3	✓	L
E 5250						
T.P.	12.53	619.65	0.06	607.12		
Check			3.53	616.12		
T.P.	12.44	632.04	0.05	619.60		
N 3340			14.7	17.3	✓	L
E 5270						
N 3330			9.1	22.9	✓	L
E 5270						
N 3320			6.0	26.0	✓	L
E 5270						
N 3320			3.6	28.4	✓	L
E 5280						
N 3330			8.5	23.5	✓	L
E 5280						
N 3340			13.1	18.9	✓	L
E 5280						
N 3340			12.5	19.5	✓	L
E 5290						
N 3330			8.6	23.4	✓	L
E 5290						
N 3320			4.3	27.7	✓	L
E 5290						
N 3320			3.8	28.2	✓	L
E 5300						
N 3330			7.7	24.3	✓	L
E 5300						
N 3340			11.2	20.8	✓	L
E 5300						
N 3340			9.8	22.2	✓	L
E 5310						
N 3330			6.3	25.7	✓	L
E 5310						
N 3320			3.4	28.6	✓	L
E 5310						
N 3320			2.1	29.9	✓	L
E 5320						
N 3330			4.7	27.3	✓	L
E 5320						
N 3340			9.7	22.3	✓	L
E 5320						
N 3350			13.2	618.8	✓	L
E 5320						

W.H.S.

63204

N 3350				
E 5330	12.6	619.4	✓	✓
N 3340				
E 5330	9.0	23.0	✓	✓
N 3330				
E 5330	4.4	27.6	✓	✓
N 3320				
E 5330	1.5	30.5	✓	✓
N 3320				
E 5340	1.0	31.0	✓	✓
N 3330				
E 5340	4.7	27.3	✓	✓
N 3340				
E 5340	8.5	23.5	✓	✓
N 3350				
E 5340	12.6	19.4	✓	✓
N 3350				
E 5350	12.5	19.5	✓	✓
N 3340				
E 5350	8.0	24.0	✓	✓
N 3330				
E 5350	3.6	28.4	✓	✓
N 3320				
E 5350	0.0	32.0	✓	✓
N 3330				
E 5360	3.2	28.8	✓	✓
N 3340				
E 5360	6.7	25.3	✓	✓
N 3350				
E 5360	10.0	22.0	✓	✓
N				
E	14.6			
N 3350				
E 5370	9.8	22.2	✓	✓
N 3340				
E 5370	6.1	25.9	✓	✓
N 3330				
E 5370	2.5	29.5	✓	✓
N 3330				
E 5380	1.9	30.1	✓	✓
N 3340				
E 5380	4.9	27.1	✓	✓
N 3350				
E 5380	9.7	22.3	✓	✓
N 3350				
E 5390	9.3	22.7	✓	✓
N 3340				
E 5390	4.9	27.1	✓	✓
N 3330				
E 5370	0.6	631.4	✓	✓

W.H.S.

632.04

3330				
5400	+0.2	632.2	✓	✓
3340				
5400	3.0	29.0	✓	✓
3350				
5400	8.3	23.7	✓	✓
3350				
5410	8.2	23.8	✓	✓
3340				
5410	2.3	29.7	✓	✓
3330				
5410	+1.1	33.1	✓	✓
3330				
5420	+1.9	33.9	✓	✓
3340				
5420	3.9	28.1	✓	✓
3350				
5420	7.4	24.6	✓	✓
3360				
5420	10.9	21.1	✓	✓
3360				
5430	10.6	21.4	✓	✓
3350				
5430	6.6	25.4	✓	✓
3340				
5430	4.0	28.0	✓	✓
3340				
5440	0.88	631.16	Hub	✓
3330				
5440	+2.5	34.5	✓	✓
3320				
5360	+1.3	33.3	✓	✓
3320				
5370	+2.5	34.5	✓	✓
3320				
5380	+2.4	34.4	✓	✓
3320				
5390	+3.1	35.1	✓	✓
3320				
5400	+4.8	36.8	✓	✓
3320				
5410	+5.7	37.7	✓	✓
3320				
5420	+10.8	42.8	✓	✓
3320				
5430	+10.8	42.8	✓	✓
3330				
5430	Interpolate			✓
3350				
5440	5.3	626.7	✓	✓

W.H.S.

Feb 10-32

8

632.04

N 3360					
E 5440			12.1	619.9 ✓	✓
3360			11.7	20.3 ✓	✓
5450			5.4	26.6 ✓	✓
3350			5.7	26.3 ✓	✓
5460			11.6	20.4 ✓	✓
3360					
5460					
T.P	1.70	620.65	13.09	618.95	
3370			2.7	17.9 ✓	✓
5450			3.4	17.2 ✓	✓
3370			4.5	16.1 ✓	✓
5440			5.6	15.0 ✓	✓
3370			4.7	15.9 ✓	✓
5430			6.4	14.2 ✓	✓
3370			1.5	19.1 ✓	✓
5420			2.5	18.1 ✓	✓
3370			6.2	14.4 ✓	✓
5400			2.0	18.6 ✓	✓
3360			6.2	14.4 ✓	✓
5390			7.5	13.1 ✓	✓
3370			3.5	17.1 ✓	✓
5380			3.2	17.4 ✓	✓
3360			7.8	12.8 ✓	✓
5370			7.3	13.3 ✓	✓
3370			3.1	17.5 ✓	✓
5360			3.6	17.0 ✓	✓
3360			7.1	613.5 ✓	✓
5350					

W. A. S.

62065

3370					
5340			6.8	613.8	✓
3360					
5340			3.8	616.8	✓
3360					
5330			4.0	16.6	✓
3370					
5330			7.3	13.3	✓
3370					
5320			8.3	12.3	✓
3360					
5320			4.7	15.9	✓
3360					
5310			6.2	14.4	✓
3370					
5310			9.1	11.5	✓
3370					
5300			7.4	11.2	✓
3360					
5300			7.7	12.9	✓
3350					
5300			3.6	17.0	✓
3350					
5310			2.9	17.7	✓
3350					
5290			4.6	16.0	✓
3360					
5290			8.9	11.7	✓
3370					
5290			11.3	09.3	✓
3370					
5280			13.3	07.3	✓
3360					
5280			9.9	10.7	✓
3350					
5280			5.9	14.7	✓
3350					
5270			5.2	15.4	✓
3360					
5270			10.2	10.4	✓
3370					
5270			15.3	05.3	✓
3370					
5260			16.5	04.1	✓

T.P. 0.56 609.32 12.89 607.76

T.P. 0.40 597.17 11.55 596.77

W.H.S.

597.17

3370				
5210	1.6	595.6	✓	✓
3370				
5200	2.4	94.8	✓	✓
3360				
5190	4.5	92.7	✓	✓
3370				
5190	6.0	91.2	✓	✓
3370				
5180	8.8	88.4	✓	✓
3360				
5180	6.3	90.9	✓	✓
3360				
5170	6.5	90.7	✓	✓
3370				
5170	9.5	87.7	✓	✓
3370				
5160	7.1	88.1	✓	✓
3360				
5160	5.3	91.9	✓	✓
3360				
5150	4.4	92.8	✓	✓
3370				
5150	8.3	88.9	✓	✓
3370				
5140	8.8	88.4	✓	✓
3360				
5140	5.4	91.8	✓	✓
3350				
5130	2.8	94.4	✓	✓
3360				
5130	6.0	91.2	✓	✓
3370				
5130	9.7	87.5	✓	✓
3370				
5120	10.0	87.2	✓	✓
3360				
5120	7.5	89.7	✓	✓
3350				
5120	4.5	92.7	✓	✓
3340				
5110	3.2	94.0	✓	✓
3350				
5110	5.6	91.6	✓	✓
3360				
5110	8.3	88.9	✓	✓
3370				
5110	12.4	84.8	✓	✓
3370				
5100	13.6	583.6	✓	✓

W.H.S.

597.17

3360				
5100	10.8	586.4	✓✓	✓
3350				
5100	8.0	89.2	✓✓	✓
3340				
5100	4.4	92.8	✓✓	✓
3340				
5090	5.5	91.7	✓✓	✓
3350				
5090	9.2	88.0	✓✓	✓
3360				
5090	11.9	85.3	✓✓	✓
3370				
5090	13.6	83.6	✓✓	✓
3370				
5080	14.3	82.9	✓✓	✓
3360				
5080	12.3	84.9	✓✓	✓
3350				
5080	9.3	87.9	✓✓	✓
3340				
5080	5.9	91.3	✓✓	✓
3340				
5070	5.6	91.6	✓✓	✓
3350				
5070	9.5	87.7	✓✓	✓
3360				
5070	12.4	84.8	✓✓	✓
3360				
5060	11.7	85.5	✓✓	✓
3350				
5060	9.2	88.0	✓✓	✓
3340				
5060	5.3	91.9	✓✓	✓
3340				
5050	5.2	92.0	✓✓	✓
3350				
5050	8.7	88.5	✓✓	✓
3360				
5050	12.0	85.2	✓✓	✓
3360				
5040	12.8	84.4	✓✓	✓
3350				
5040	8.0	89.2	✓✓	✓
3340				
5030	4.1	93.1	✓✓	✓
3350				
5030	8.9	88.3	✓✓	✓
3360				
5030	11.5	585.7	✓✓	✓

597.17

3360					
5020			12.5	584.7	✓
3350					
5020			9.5	87.7	✓
3340					
5020			5.1	92.1	✓
3340					
5010			5.7	91.5	✓
3350					
5010			9.9	87.3	✓
3360					
5010			12.7	84.5	✓
3340					
5000			5.09	592.08	✓
3350					
5000			9.5	87.7	✓

B.M.	9.78	601.86		592.08	
3350					
4990			13.8	88.1	✓
3340					
4990			9.7	92.2	✓
3330					
4990			5.4	96.5	✓
3330					
4980			6.3	95.6	✓
3340					
4980			10.3	91.6	✓
3350					
4980			13.9	88.0	✓
3350					
4970			13.6	88.3	✓
3340					
4970			7.4	94.5	✓
3330					
4970			5.9	96.0	✓
3330					
4960			5.7	96.2	✓
3340					
4960			8.5	93.4	✓
3350					
4960			13.8	88.1	✓
3350					
4950			13.7	88.2	✓
3340					
4950			8.8	93.1	✓
3330					
4950			4.0	97.9	✓
3330					
4940			2.7	599.2	✓

W.H.S.

601.86

3340				
4940				
3350	9.1	592.8	✓	✓
4940	13.6	88.3	✓	✓
3350				
4930	13.2	88.7	✓	✓
3340				
4930	8.5	593.4	✓	✓
3330				
4930	1.9	600.0	✓	✓
3330				
4920	2.9	599.0	✓	✓
3340				
4920	8.2	93.7	✓	✓
3350				
4920	12.4	89.5	✓	✓
3350				
4910	12.9	89.0	✓	✓
3340				
4910	9.0	92.9	✓	✓
3330				
4910	3.9	98.0	✓	✓
3330				
4900	4.0	97.9	✓	✓
3340				
4900	9.0	92.9	✓	✓
3350				
4900	13.3	88.6	✓	✓
3350				
4890	13.3	88.6	✓	✓
3340				
4890	8.6	93.3	✓	✓
3330				
4890	3.8	98.1	✓	✓
3330				
4880	4.2	97.7	✓	✓
3340				
4880	8.8	93.1	✓	✓
3350				
4880	11.9	90.0	✓	✓
3350				
4870	12.4	89.5	✓	✓
3340				
4870	8.2	93.7	✓	✓
3330				
4870	4.2	97.7	✓	✓
3330				
4860	2.8	99.1	✓	✓
3340				
4860	7.0	594.9	✓	✓

W.H.S.

	601.86			
3350 4860		12.2	589.7 ^{✓✓}	✓
3350 4850		11.4	70.5 ^{✓✓}	✓
3340 4850		6.6	595.3 ^{✓✓}	✓
3330 4850		1.4	600.5 ^{✓✓}	✓
3340 4840		6.3	595.6 ^{✓✓}	✓
3350 4840		10.6	91.3 ^{✓✓}	✓
3350 4830		8.5	93.4 ^{✓✓}	✓
3340 4830		4.5	97.4 ^{✓✓}	✓
3340 4820		3.0	98.9 ^{✓✓}	✓
3350 4820		8.8	93.1 ^{✓✓}	✓
3350 4810		7.2	94.7 ^{✓✓}	✓
3340 4810		2.3	99.6 ^{✓✓}	✓
3340 4800		2.2	99.7 ^{✓✓}	✓
3350 4800		5.2	96.7 ^{✓✓}	✓
3350 4790		3.5	598.4 ^{✓✓}	✓
3350 4780		1.3	600.6 ^{✓✓}	✓
T.P.	12.23	613.79	0.30	601.56
3310 4830		1.8	12.0 ^{✓✓}	✓
3320 4830		5.5	08.3 ^{✓✓}	✓
3330 4830		9.0	04.8 ^{✓✓}	✓
3330 4820		10.2	03.6 ^{✓✓}	✓
3320 4820		4.2	09.6 ^{✓✓}	✓
3320 4810		4.8	09.0 ^{✓✓}	✓
3330 4810		9.0	04.8 ^{✓✓}	✓
3330 4800		7.9	605.9 ^{✓✓}	✓

613.79

3320				
4800	4.5	609.3	✓	✓
3320				
4790	4.8	09.0	✓	✓
3330				
4790	7.9	05.9	✓	✓
3340				
4790	11.8	02.0	✓	✓
3340				
4780	10.8	03.0	✓	✓
3330				
4780	6.4	07.4	✓	✓
3330				
4770	4.7	09.1	✓	✓
3340				
4770	8.1	05.7	✓	✓
3350				
4770	11.0	02.8	✓	✓
3350				
4760	9.3	04.5	✓	✓
3340				
4760	5.8	08.0	✓	✓
3340				
4750	2.3	11.5	✓	✓
3350				
4750	7.8	06.0	✓	✓
3350				
4740	5.3	08.5	✓	✓
3350				
4730	4.9	08.9	✓	✓
3350				
4720	4.6	09.2	✓	✓
3350				
4710	3.1	10.7	✓	✓
3350				
4690	3.3	10.5	✓	✓
3350				
4680	3.9	09.9	✓	✓
3350				
4670	3.5	10.3	✓	✓
3350				
4660	2.9	10.9	✓	✓
3350				
4650	3.9	09.9	✓	✓
3340				
4650	2.3	11.5	✓	✓
3330				
4650	2.0	611.8	✓	✓

613.79

3330					
4640	2.6	611.2	✓	✓	✓
3340					
4640	3.6	10.2	✓	✓	✓
3350					
4640	5.0	08.8	✓	✓	✓
3350					
4630	6.0	07.8	✓	✓	✓
3340					
4630	5.7	08.1	✓	✓	✓
3330					
4630	5.9	07.9	✓	✓	✓
3330					
4620	7.4	06.4	✓	✓	✓
3340					
4620	7.4	06.4	✓	✓	✓
3350					
4620	7.6	06.2	✓	✓	✓
3340					
4610	10.6	03.2	✓	✓	✓
3350					
4610	10.7	03.1	✓	✓	✓
3330					
4610	8.0	05.8	✓	✓	✓
3330					
4600	9.4	04.4	✓	✓	✓
3340					
4600	13.4	00.4	✓	✓	✓
3350					
4600	12.6	601.2	✓	✓	✓
3350					
4590	14.4	599.4	✓	✓	✓
3340					
4590	14.1	599.7	✓	✓	✓
3330					
4590	10.8	603.0	✓	✓	✓
3330					
4580	8.3	605.5	✓	✓	✓
3340					
4580	12.7	601.1	✓	✓	✓
3350					
4580	16.3	597.5	✓	✓	✓
3350					
4570	15.4	598.4	✓	✓	✓
3340					
4570	11.2	602.6	✓	✓	✓
3330					
4570	7.2	606.6	✓	✓	✓

W.H.S.

613.79

3330					
4560		6.4	607.4	✓	✓
3340					
4560		10.4	603.4	✓	✓
3350					
4560		15.0	598.8	✓	✓
3350					
4550		14.2	599.6	✓	✓
3340					
4550		10.3	603.5	✓	✓
3330					
4550		6.8	07.0	✓	✓
3330					
4540		6.0	07.8	✓	✓
3340					
4540		9.6	04.2	✓	✓
3350					
4540		13.2	00.6	✓	✓
3350					
4530		12.4	014	✓	✓
3340					
4530		8.7	05.1	✓	✓
3330					
4530		4.4	09.4	✓	✓
3330					
4520		4.8	09.0	✓	✓
3340					
4520		7.91	605.88	Hub	✓
3350					
4520		12.1	601.7	✓	✓

T.P.	3.97	606.34	11.42	602.37	
B.M.			8.59	597.75	5-2 597.71

End Feb 10-1932
Start Feb 15-1932

3360					
5000					
B.M.	4.74	588.63		583.89	✓
3370					
5000			7.8	80.8	✓
3380					
5000			12.3	76.3	✓
3380					
4990			10.0	78.6	✓
3370					
4990			8.3	80.3	✓
3360					
4990			4.1	584.5	✓

W.H.S.

Feb 15 - 1932

18

Converse	Chief. Tape
Elliott	Notes
Simpson	Level
Louden	Red

588.63

3360 4980	3.5	585.1	✓	✓	✓
3370 4980	7.3	81.3	✓	✓	✓
3380 4980	8.2	80.4	✓	✓	✓
3390 4980	11.7	76.9	✓	✓	✓
3390 4970	11.7	76.9	✓	✓	✓
3380 4970	7.8	80.8	✓	✓	✓
3370 4970	7.3	81.3	✓	✓	✓
3360 4970	4.7	83.9	✓	✓	✓
3360 4960	3.8	84.8	✓	✓	✓
3370 4960	7.8	80.8	✓	✓	✓
3380 4960	7.5	81.1	✓	✓	✓
3370 4960	11.8	76.8	✓	✓	✓
3380 4950	11.5	77.1	✓	✓	✓
3370 4950	7.7	80.9	✓	✓	✓
3360 4950	3.7	84.9	✓	✓	✓
3360 4940	4.2	84.4	✓	✓	✓
3370 4940	7.4	81.2	✓	✓	✓
3380 4940	11.8	76.8	✓	✓	✓
3380 4930	11.7	76.9	✓	✓	✓
3370 4930	7.5	81.1	✓	✓	✓
3360 4930	3.3	85.3	✓	✓	✓
3360 4920	4.0	84.6	✓	✓	✓
3370 4920	7.6	81.0	✓	✓	✓
3380 4920	11.2	577.4	✓	✓	✓

W.H.S.

588.63

3380 4910			11.3	577.3 [✓]	-	✓
3370 4910			6.5	82.1 [✓]	-	✓
3360 4910			3.7	84.9 [✓]	-	✓
3360 4900			2.5	86.1 [✓]	-	✓
3370 4900			6.9	81.7 [✓]	-	✓
3380 4900			10.7	77.9 [✓]	-	✓
3380 4890			11.2	77.4 [✓]	-	✓
3370 4890			7.2	81.4 [✓]	-	✓
3360 4890			3.5	85.1 [✓]	-	✓
T.P.	9.31	596.94	1.00	587.63		
3360 4880			11.3	85.6 [✓]	-	✓
3370 4880			14.4	82.5 [✓]	-	✓
3370 4870			15.8	81.1 [✓]	-	✓
3360 4870			11.4	85.5 [✓]	-	✓
3360 4860			10.8	86.1 [✓]	-	✓
3360 4850			9.4	87.5 [✓]	-	✓
3360 4840			8.7	88.2 [✓]	-	✓
3360 4830			9.8	87.1 [✓]	-	✓
3360 4820			7.5	89.4 [✓]	-	✓
3370 4820			12.1	84.8 [✓]	-	✓
3370 4810			10.4	86.5 [✓]	-	✓
3360 4810			5.8	91.1 [✓]	-	✓
3360 4800			4.4	92.5 [✓]	-	✓
3370 4800			7.9	89.0 [✓]	-	✓
3380 4800			12.5	584.4 [✓]	-	✓

W. H. S.

596.94

3380					
4790	10.6	586.3	✓	✓	
3370					
4790	7.1	89.8	✓	✓	
3360					
4790	2.3	94.6	✓	✓	
3360					
4780	0.0	96.9	✓	✓	
3370					
4780	5.7	91.2	✓	✓	
3380					
4780	9.8	87.1	✓	✓	
3390					
4780	13.3	83.6	✓	✓	
3400					
4770	11.8	85.1	✓	✓	
3390					
4770	8.8	88.1	✓	✓	
3380					
4770	6.2	90.7	✓	✓	
3370					
4770	1.5	95.4	✓	✓	
3370					
4780	0.4	96.5	✓	✓	
3380					
4760	4.3	92.6	✓	✓	
3390					
4760	7.8	89.1	✓	✓	
3400					
4760	10.5	86.4	✓	✓	
3410					
4760	13.0	83.9	✓	✓	
3410					
4750	11.7	85.2	✓	✓	
3400					
4750	9.3	87.6	✓	✓	
3390					
4750	6.2	90.7	✓	✓	
3380					
4750	1.0	95.9	✓	✓	
3390					
4740	3.6	93.3	✓	✓	
3400					
4740	7.3	89.6	✓	✓	
3410					
4740	9.9	87.0	✓	✓	
3420					
4740	13.8	583.1	✓	✓	

W.H.S.

596.94

N 3420			
E 4730	13.4	583.5	✓ ✓
3410			
4730	9.5	87.4	✓ ✓
3400			
4730	6.6	90.3	✓ ✓
3390			
4730	3.3	93.6	✓ ✓
3390			
4720	2.1	94.8	✓ ✓
3400			
4720	5.7	91.2	✓ ✓
3410			
4720	9.2	87.7	✓ ✓
3420			
4720	12.5	84.4	✓ ✓
3420			
4710	10.3	86.6	✓ ✓
3410			
4710	8.0	88.9	✓ ✓
3400			
4710	5.3	91.6	✓ ✓
3390			
4710	2.2	94.7	✓ ✓
3390			
4700	1.4	95.8	✓ ✓
3400			
4700	3.6	93.3	✓ ✓
3410			
4700	6.3	90.6	✓ ✓
3420			
4700	9.0	87.9	✓ ✓
3430			
4700	11.6	85.3	✓ ✓
3430			
4690	10.1	86.8	✓ ✓
3420			
4690	7.5	89.4	✓ ✓
3410			
4690	5.2	91.7	✓ ✓
3400			
4690	2.3	94.6	✓ ✓
3410			
4680	4.5	92.4	✓ ✓
3420			
4680	6.8	90.1	✓ ✓
3430			
4680	9.6	87.3	✓ ✓
3440			
4680	12.1	584.8	✓ ✓

W.H.S.

596.94

N 3440					
E 4670			12.4	584.5	✓ - ✓
3430			9.0	87.9	✓ - ✓
4670			6.3	90.6	✓ ✓
3420			2.2	94.7	✓ ✓ ✓
4670			2.3	94.6	✓ - ✓
3410			4.8	92.1	✓ - ✓
4660			8.8	88.1	✓ - ✓
3420			13.9	83.0	✓ - ✓
4660			14.3	82.6	✓ - ✓
3430			11.3	85.6	✓ - ✓
4650			7.1	89.8	✓ - ✓
3420					
4650					

T.P.	12.92	609.14	0.72	596.22	
3360			9.6	599.5	✓ - ✓
4770			7.7	601.4	✓ - ✓
3360			7.8	601.3	✓ - ✓
4760			10.8	598.3	✓ - ✓
3360			12.9	596.2	✓ - ✓
4750			8.5	600.6	✓ - ✓
3370			4.5	604.6	✓ - ✓
4750			3.5	605.6	✓ - ✓
3380			7.3	601.8	✓ - ✓
4740			11.8	597.3	✓ - ✓
3370			10.3	598.8	✓ - ✓
4740			6.2	602.9	✓ - ✓
3360			2.8	606.3	✓ - ✓
4740					

W.H.S.

609.14

3360			
4710	2.8	606.3	✓ ✓
3370			
4710	6.6	602.5	✓ ✓
3380			
4710	10.6	598.5	✓ ✓
3380			
4700	10.5	598.6	✓ ✓
3370			
4700	6.3	602.8	✓ ✓
3360			
4700	3.5	605.6	✓ ✓
3360			
4690	1.1	608.0	✓ ✓
3370			
4690	4.1	605.0	✓ ✓
3380			
4690	8.8	600.3	✓ ✓
3390			
4690	11.7	597.4	✓ ✓
3400			
4680	11.6	597.5	✓ ✓
3390			
4680	10.6	598.5	✓ ✓
3380			
4680	5.4	593.7	✓ ✓
3370			
4680	3.0	606.1	✓ ✓
3360			
4680	1.4	607.7	✓ ✓
3360			
4670	0.5	608.6	✓ ✓
3370			
4670	1.5	607.6	✓ ✓
3380			
4670	3.8	605.3	✓ ✓
3390			
4670	7.2	601.9	✓ ✓
3400			
4670	11.4	597.7	✓ ✓
3400			
4660	11.2	597.9	✓ ✓
3390			
4660	6.3	602.8	✓ ✓
3380			
4660	4.7	604.4	✓ ✓
3370			
4660	3.2	605.9	✓ ✓
3360			
4660	0.4	608.7	✓ ✓

W.H.S.

609.14

3360					
4650	0.9	608.2	✓	✓	✓
3370					
4650	3.1	606.0	✓	✓	✓
3380					
4650	4.2	604.9	✓	✓	✓
3390					
4650	8.8	600.3	✓	✓	✓
3400					
4650	13.5	595.6	✓	✓	✓
3400					
4640	14.1	595.0	✓	✓	✓
3390					
4640	10.3	598.8	✓	✓	✓
3380					
4640	7.5	601.6	✓	✓	✓
3370					
4640	3.5	605.6	✓	✓	✓
3360					
4640	1.2	607.9	✓	✓	✓
3360					
4630	2.4	606.7	✓	✓	✓
3370					
4630	4.2	604.9	✓	✓	✓
3380					
4630	7.9	601.2	✓	✓	✓
3390					
4630	10.8	598.3	✓	✓	✓
3390					
4620	11.5	597.6	✓	✓	✓
3380					
4620	7.7	601.4	✓	✓	✓
3370					
4620	3.8	605.3	✓	✓	✓
3360					
4620	3.3	605.8	✓	✓	✓
3360					
4610	4.8	604.3	✓	✓	✓
3370					
4610	8.7	601.4 600.4	✓	✓	✓
3380					
4610	11.5	597.6	✓	✓	✓
3390					
4610	14.2	594.9	✓	✓	✓
3370					
4600	13.9	595.2	✓	✓	✓
3380					
4600	13.1	596.0	✓	✓	✓
3370					
4600	11.2	597.9	✓	✓	✓

W.H.S.

609.14

3360					
4600			9.5	599.6	✓ ✓
3360					
4590			10.2	598.9	✓ ✓
T. P.	2.84	599.70	12.28	596.86	
3410					
4650			6.5	93.2	✓ ✓
3420					
4640			10.4	89.3	✓ ✓
3410					
4640			8.8	90.9	✓ ✓
3400					
4640			4.6	95.1	✓ ✓
3400					
4630			6.7	93.0	✓ ✓
3410					
4630			10.7	89.0	✓ ✓
3420					
4630			12.8	86.9	✓ ✓
3420					
4620			14.1	85.6	✓ ✓
3410					
4620			11.9	87.8	✓ ✓
3400					
4620			8.4	91.3	✓ ✓
3400					
4610			6.6	93.1	✓ ✓
3410					
4610			12.0	87.7	✓ ✓
3410					
4600			12.5	87.2	✓ ✓
3400					
4600			9.2	90.5	✓ ✓
3410					
4590			11.8	87.9	✓ ✓
3400					
4590			9.5	90.2	✓ ✓
3390					
4590			6.4	93.3	✓ ✓
3380					
4590			4.2	95.5	✓ ✓
3370					
4590			2.3	97.4	✓ ✓
3360					
4580			2.6	97.1	✓ ✓
3370					
4580			3.1	96.6	✓ ✓
3380					
4580			5.1	594.6	✓ ✓

W. H. S.

599.70					
3390					
4580		6.9	592.8	✓	✓
3400					
4580		8.9	90.8	✓	✓
3410					
4580		12.6	87.1	✓	✓
3420					
4580		13.8	85.9	✓	✓
3420					
4570		15.1	84.6	✓	✓
3410					
4570		13.7	86.0	✓	✓
3400					
4570		11.9	87.8	✓	✓
3390					
4570		8.8	90.9	✓	✓
3380					
4570		6.6	93.1	✓	✓
3370					
4570		5.3	94.4	✓	✓
3360					
4570		5.3	94.4	✓	✓
3360					
4560		4.3	95.4	✓	✓
3370					
4560		8.6	91.1	✓	✓
3380					
4560		8.5	91.2	✓	✓
3390					
4560		10.3	89.4	✓	✓
3400					
4560		13.5	86.2	✓	✓
3410					
4560		14.3	85.4	✓	✓
3410					
4550		15.1	84.6	✓	✓
3400					
4550		14.4	85.3	✓	✓
3390					
4550		12.9	86.8	✓	✓
3380					
4550		10.5	89.2	✓	✓
3370					
4550		8.4	91.3	✓	✓
3360					
4550		4.0	95.7	✓	✓
3360					
4540		3.2	96.5	✓	✓
3370					
4540		8.2	591.5	✓	✓

W.H.S.

		599.70			
3380					
4540		11.4	588.3	✓	✓
3390					
4540		13.8	85.9	✓	✓
3390					
4530		14.6	85.1	✓	✓
3380					
4530		11.5	88.2	✓	✓
3370					
4530		6.5	93.2	✓	✓
3360					
4530		2.6	97.1	✓	✓
3360					
4520		2.5	97.2	✓	✓
3370					
4520		6.3	93.4	✓	✓
3380					
4520		11.1	88.6	✓	✓
3380					
4510		11.7	88.0	✓	✓
3370					
4510		7.1	92.6	✓	✓
3360					
4510		3.9	95.8	✓	✓
3360					
4500		3.3	96.4	✓	✓
3370					
4500		8.1	91.6	✓	✓
3380					
4500		12.6	87.1	✓	✓
3380					
4490		13.3	86.4	✓	✓
3370					
4490		7.8	91.9	✓	✓
3360					
4490		3.6	96.1	✓	✓
3360					
4480		3.9	95.8	✓	✓
3370					
4480		8.4	91.3	✓	✓
3380					
4480		13.1	86.6	✓	✓
B.M.	1.94	599.65	1.94	597.76	597.71
				#5-2	
T.P.	2.87	589.43	13.09	586.56	

589.43

3390					
4460	5.7	583.7	✓	✓	
3400					
4460	10.0	79.4	✓	✓	
3410					
4460	13.1	76.3	✓	✓	
3410					
4470	14.1	75.3	✓	✓	
3400					
4470	9.4	80.0	✓	✓	
3390					
4470	6.5	82.9	✓	✓	
3390					
4480	7.4	82.0	✓	✓	
3400					
4480	10.2	79.2	✓	✓	
3410					
4480	13.1	76.3	✓	✓	
3410					
4490	13.4	76.0	✓	✓	
3400					
4490	10.6	78.8	✓	✓	
3390					
4490	7.0	82.4	✓	✓	
3390					
4500	6.2	83.2	✓	✓	
3400					
4500	10.3	79.1	✓	✓	
3410					
4500	12.3	77.1	✓	✓	
3420					
4500	13.1	76.3	✓	✓	
3430					
4500	13.4	76.0	✓	✓	
3430					
4510	11.5	77.9	✓	✓	
3420					
4510	10.8	78.6	✓	✓	
3410					
4510	10.7	78.7	✓	✓	
3400					
4510	9.9	79.5	✓	✓	
3390					
4510	5.7	83.7	✓	✓	
3390					
4520	4.7	84.7	✓	✓	
3400					
4520	8.5	80.9	✓	✓	
3410					
4520	7.9	581.5	✓	✓	

W.H.S.

589H3

3420					
4520		9.7	579.7	✓	✓
3430					
4520		11.4	78.0	✓	✓
3440					
4520		12.4	77.0	✓	✓
3440					
4530		11.5	77.9	✓	✓
3430					
4530		10.0	79.4	✓	✓
3420					
4530		9.6	79.8	✓	✓
3410					
4530		7.2	82.2	✓	✓
3400					
4530		5.6	83.8	✓	✓
3390					
4530		4.4	85.0	✓	✓
3400					
4540		4.7	84.7	✓	✓
3410					
4540		6.5	82.9	✓	✓
3420					
4540		8.2	81.2	✓	✓
3430					
4540		9.2	80.2	✓	✓
3440					
4540		12.1	77.3	✓	✓
3440					
4550		12.0	77.4	✓	✓
3430					
4550		8.6	80.8	✓	✓
3420					
4550		6.3	83.1	✓	✓
3420					
4560		4.9	84.5	✓	✓
3430					
4560		8.8	80.6	✓	✓
3440					
4560		11.2	78.2	✓	✓
3440					
4570		10.4	79.0	✓	✓
3430					
4570		8.0	81.4	✓	✓
3430					
4580		7.8	81.6	✓	✓
3440					
4580		9.6	79.8	✓	✓
3450					
4580		11.9	577.5	✓	✓

W.H.S.

3430
4640
3440
4640

580.5

✓

584.5

✓

589.43

3450
4590

12.5

576.9

✓ ✓

3440
4590

8.9

80.5

✓ ✓

3430
4590

7.0

82.4

✓ ✓

3420
4590

5.2

84.2

✓ ✓

3420
4600

5.6

83.8

✓ ✓

3430
4600

7.4

82.0

✓ ✓

3440
4600

8.5

80.9

✓ ✓

3450
4600

11.7

77.7

✓ ✓

3450
4610

11.0

78.4

✓ ✓

3440
4610

8.8

80.6

✓ ✓

3430
4610

6.7

82.7

✓ ✓

3420
4610

4.9

84.5

✓ ✓

3430
4620

6.3

83.1

✓ ✓

3440
4620

9.1

80.3

✓ ✓

3450
4620

12.0

77.4

✓ ✓

3450
4630

13.1

76.3

✓ ✓

3440
4630

9.6

79.8

✓ ✓

3430
4630

4.4

85.0

✓ ✓

3450
4640

11.9

77.5

✓ ✓

3450
4650

10.3

79.1

✓ ✓

3450
4660

8.9

80.5

✓ ✓

3450
4670

8.6

80.8

✓ ✓

3450
4680

8.3

81.1

✓ ✓

3450
4690

7.7

81.7

✓ ✓

3440
4690

5.7

583.7

✓ ✓

W.H.S.

58943

T.P.	2.92	584.01	8.34	581.09		
3440						
4700			1.1	82.9	✓	✓
3450						
4700			5.5	78.5	✓	✓
3450						
4710			5.9	78.1	✓	✓
3440						
4710			4.0	80.0	✓	✓
3430						
4710			0.7	83.3	✓	✓
3430						
4720			2.6	81.4	✓	✓
3440						
4720			6.0	78.0	✓	✓
3450						
4720			9.9	74.1	✓	✓
3450						
4730			11.1	72.9	✓	✓
3440						
4730			5.6	78.4	✓	✓
3430						
4730			2.7	81.3	✓	✓
3430						
4740			3.5	80.5	✓	✓
3440						
4740			7.8	76.2	✓	✓
3440						
4750			9.3	74.7	✓	✓
3430						
4750			5.3	78.7	✓	✓
3420						
4750			2.0	82.0	✓	✓
3420						
4760			4.0	80.0	✓	✓
3430						
4760			7.2	76.8	✓	✓
3440						
4760			11.6	72.4	✓	✓
3430						
4770			8.5	75.5	✓	✓
3420						
4770			5.6	78.4	✓	✓
3410						
4770			2.4	81.6	✓	✓
3400						
4780			3.2	580.8	✓	✓

W.H.S.

58401

3410				
4780	5.6	578.4	✓	✓
3420				
4780	7.9	76.1	✓	✓
3430				
4780	11.3	72.7	✓	✓
3420				
4790	9.6	74.4	✓	✓
3410				
4790	7.5	76.5	✓	✓
3400				
4790	5.2	78.8	✓	✓
3390				
4790	2.6	81.4	✓	✓
3390				
4800	5.1	78.9	✓	✓
3400				
4800	6.0	78.0	✓	✓
3410				
4800	8.4	75.6	✓	✓
3420				
4800	12.4	71.6	✓	✓
3410				
4810	9.7	74.3	✓	✓
3400				
4810	7.6	76.4	✓	✓
3390				
4810	5.4	78.6	✓	✓
3380				
4810	2.7	81.3	✓	✓
3380				
4820	4.1	79.9	✓	✓
3390				
4820	6.5	77.5	✓	✓
3400				
4820	8.7	75.3	✓	✓
3410				
4820	11.9	72.1	✓	✓
3400				
4830	9.3	74.7	✓	✓
3390				
4830	7.2	76.8	✓	✓
3380				
4830	4.0	80.0	✓	✓
3370				
4830	1.1	82.9	✓	✓
3370				
4840	1.9	82.1	✓	✓
3380				
4840	5.0	579.0	✓	✓

W.H.S.

58401

3390				
4840	7.9	576.1	✓	✓
3400				
4840	11.3	72.7	✓	✓
3400				
4850	12.8	71.2	✓	✓
3390				
4850	7.9	76.1	✓	✓
3380				
4850	6.0	78.0	✓	✓
3370				
4850	2.8	81.2	✓	✓
3370				
4860	2.4	81.6	✓	✓
3380				
4860	6.4	77.6	✓	✓
3390				
4860	9.5	74.5	✓	✓
3390				
4870	9.3	74.7	✓	✓
3380				
4870	6.2	77.8	✓	✓
3380				
4880	6.5	77.5	✓	✓
3390				
4880	11.4	72.6	✓	✓
3390				
5000	8.9	75.1	✓	✓
3400				
5000	9.7	74.3	✓	✓
3410				
5000	11.2	72.8	✓	✓
3400				
4990	9.9	74.1	✓	✓
3390				
4990	9.7	74.3	✓	✓
3400				
4980	10.6	73.4	✓	✓
3400				
4970	10.8	73.2	✓	✓
3400				
4960	11.1	72.9	✓	✓
3400				
4950	11.2	72.8	✓	✓
3390				
4950	9.7	74.3	✓	✓
3390				
4940	11.4	572.6	✓	✓
3400				
4940	11.3	572.7	✓	✓

W.H.S.

584.01

3410				
4940	12.8	571.2	✓	✓
3410				
4930	12.3	571.7	✓	✓
3400				
4930	11.4	572.6	✓	✓
3390				
4930	11.4	72.6	✓	✓
3390				
4920	11.2	72.8	✓	✓
3400				
4920	11.6	72.4	✓	✓
3410				
4920	12.8	71.2	✓	✓
3410				
4910	12.9	71.1	✓	✓
3400				
4910	11.6	72.4	✓	✓
3390				
4910	11.3	72.7	✓	✓
3390				
4900	11.9	72.1	✓	✓
3400				
4900	11.8	72.2	✓	✓
3410				
4900	12.8	71.2	✓	✓
3420				
4900	14.2	69.8	✓	✓
3420				
4890	14.2	69.8	✓	✓
3410				
4890	12.7	71.3	✓	✓
3400				
4890	12.1	71.9	✓	✓
3390				
4890	11.5	72.5	✓	✓
3400				
4880	12.3	71.7	✓	✓
3410				
4880	12.8	71.2	✓	✓
3420				
4880	13.9	70.1	✓	✓
3420				
4870	13.8	70.2	✓	✓
3410				
4870	12.9	71.1	✓	✓
3400				
4870	12.7	571.3	✓	✓

W.H.S.

584.01

3400						
4860			13.1	570.9	✓	✓
3410						
4860			13.1	570.9	✓	✓
BM	7.28	583.61	7.69	576.32	576.33	
3370						
5010			2.9	80.7	✓	✓
3380						
5010			6.9	76.7	✓	✓
3390						
5010			7.4	76.2	✓	✓
3400						
5010			9.4	74.2	✓	✓
3410						
5010			10.7	72.9	✓	✓
3410						
5020			10.5	73.1	✓	✓
3400						
5020			9.6	74.0	✓	✓
3390						
5020			6.8	76.8	✓	✓
3380						
5020			6.8	76.8	✓	✓
3370						
5020			2.9	80.7	✓	✓
3370						
5030			3.7	79.9	✓	✓
3380						
5030			6.3	77.3	✓	✓
3390						
5030			6.4	77.2	✓	✓
3400						
5030			9.5	74.1	✓	✓
3410						
5030			10.2	73.4	✓	✓
3410						
5040			10.2	73.4	✓	✓
3400						
5040			8.8	74.8	✓	✓
3390						
5040			5.7	77.9	✓	✓
3380						
5040			6.2	77.4	✓	✓
3370						
5040			2.3	81.3	✓	✓
3370						
5050			1.9	81.7	✓	✓
3380						
5050			5.5	578.1	✓	✓

W.H.S.

3390	583.61			
5050		6.0	577.6	✓ ✓ ✓
3400				
5050		8.2	75.4	✓ ✓ ✓
3410				
5050		10.8	72.8	✓ ✓ ✓
3420				
5050		10.5	73.1	✓ ✓ ✓
3430				
5060		11.4	72.2	✓ ✓ ✓
3420				
5060		10.4	73.2	✓ ✓ ✓
3410				
5060		9.3	74.3	✓ ✓ ✓
3400				
5060		7.6	76.0	✓ ✓ ✓
3390				
5060		4.6	79.0	✓ ✓ ✓
3380				
5060		4.9	78.7	✓ ✓ ✓
3370				
5060		1.8	82.3	✓ ✓ ✓
3370				
5070		1.4	82.2	✓ ✓ ✓
3380				
5070		4.4	79.2	✓ ✓ ✓
3390				
5070		4.8	78.8	✓ ✓ ✓
3400				
5070		7.3	76.3	✓ ✓ ✓
3410				
5070		8.9	74.7	✓ ✓ ✓
3420				
5070		10.2	73.4	✓ ✓ ✓
3430				
5070		11.2	72.4	✓ ✓ ✓
3440				
5080		11.9	71.7	✓ ✓ ✓
3430				
5080		10.8	72.8	✓ ✓ ✓
3420				
5080		8.7	74.9	✓ ✓ ✓
3410				
5080		8.3	75.3	✓ ✓ ✓
3400				
5080		7.1	76.5	✓ ✓ ✓
3390				
5080		4.1	79.5	✓ ✓ ✓
3380				
5080		3.8	579.8	✓ ✓ ✓

W.H.S.

583.61

3380					
5090	3.6	580.0	✓	✓	✓
3390					
5090	3.5	80.1	✓	✓	✓
3400					
5090	6.6	77.0	✓	✓	✓
3410					
5090	8.2	75.4	✓	✓	✓
3420					
5090	9.8	73.8	✓	✓	✓
3430					
5090	10.7	72.9	✓	✓	✓
3440					
5090	11.8	71.8	✓	✓	✓
3450					
5100	12.9	70.7	✓	✓	✓
3440					
5100	11.4	72.2	✓	✓	✓
3430					
5100	10.4	73.2	✓	✓	✓
3420					
5100	8.9	74.7	✓	✓	✓
3410					
5100	8.2	75.4	✓	✓	✓
3400					
5100	6.1	77.5	✓	✓	✓
3390					
5100	3.0	80.6	✓	✓	✓
3380					
5100	3.5	80.1	✓	✓	✓
3380					
5110	3.5	80.1	✓	✓	✓
3390					
5110	3.0	80.6	✓	✓	✓
3400					
5110	5.8	77.8	✓	✓	✓
3410					
5110	7.4	76.2	✓	✓	✓
3420					
5110	9.1	74.5	✓	✓	✓
3430					
5110	10.2	73.4	✓	✓	✓
3440					
5110	11.2	72.4	✓	✓	✓
3450					
5110	12.6	71.0	✓	✓	✓
3450					
5120	12.1	571.5	✓	✓	✓

W.H.S.

583.61

3440				
5120	11.0	572.6	✓	✓
3430				
5120	9.8	73.8	✓	✓
3420				
5120	8.2	75.4	✓	✓
3410				
5120	6.7	76.9	✓	✓
3400				
5120	3.8	79.8	✓	✓
3390				
5120	3.3	80.3	✓	✓
3380				
5120	3.1	80.5	✓	✓
3380				
5130	10.3	83.9	✓	✓
3370				
5130	3.0	80.6	✓	✓
3400				
5130	3.1	80.5	✓	✓
3410				
5130	6.0	77.6	✓	✓
3420				
5130	7.8	75.8	✓	✓
3430				
5130	9.2	74.4	✓	✓
3440				
5130	10.8	72.8	✓	✓
3450				
5130	11.7	71.9	✓	✓
3450				
5140	11.5	72.1	✓	✓
3440				
5140	10.2	73.4	✓	✓
3430				
5140	8.6	75.0	✓	✓
3420				
5140	7.2	76.4	✓	✓
3410				
5140	5.2	78.4	✓	✓
3400				
5140	3.1	80.5	✓	✓
3390				
5140	2.9	80.7	✓	✓
3390				
5150	2.4	81.2	✓	✓
3400				
5150	2.5	81.1	✓	✓
3410				
5150	4.0	579.6	✓	✓

W.H.S

583.61

3420					
5150	6.3	577.3	✓	✓	✓
3430					
5150	8.0	75.6	✓	✓	✓
3440					
5150	9.7	73.9	✓	✓	✓
3450					
5150	11.2	72.4	✓	✓	✓
3450					
5160	11.0	72.6	✓	✓	✓
3440					
5160	9.3	74.3	✓	✓	✓
3430					
5160	7.3	76.3	✓	✓	✓
3420					
5160	5.3	78.3	✓	✓	✓
3410					
5160	3.4	80.2	✓	✓	✓
3400					
5160	2.2	81.4	✓	✓	✓
3400					
5170	1.2	82.4	✓	✓	✓
3410					
5170	3.3	80.3	✓	✓	✓
3420					
5170	4.4	79.2	✓	✓	✓
3430					
5170	7.2	76.4	✓	✓	✓
3440					
5170	9.2	74.4	✓	✓	✓
3450					
5170	11.0	72.6	✓	✓	✓
3450					
5180	10.5	73.1	✓	✓	✓
3440					
5180	8.5	75.1	✓	✓	✓
3430					
5180	5.7	77.9	✓	✓	✓
3420					
5180	3.5	80.1	✓	✓	✓
3410					
5180	3.5	80.1	✓	✓	✓
3400					
5180	0.5	83.1	✓	✓	✓
3410					
5190	1.4	82.2	✓	✓	✓
3420					
5190	4.1	79.5	✓	✓	✓
3430					
5190	4.8	578.8	✓	✓	✓

W. H. S

583.61

3440				
5190	8.7	575.3	✓	✓
3450				
5190	9.9	73.7	✓	✓
3450				
5200	9.7	73.9	✓	✓
3440				
5200	7.2	76.4	✓	✓
3430				
5200	4.2	79.4	✓	✓
3420				
5200	4.7	78.9	✓	✓
3410				
5200	0.6	83.0	✓	✓
3420				
5210	3.2	80.4	✓	✓
3430				
5210	4.8	78.8	✓	✓
3440				
5210	5.5	78.1	✓	✓
3450				
5210	9.0	74.6	✓	✓
3450				
5220	7.6	76.0	✓	✓
3440				
5220	5.0	78.6	✓	✓
3430				
5220	5.0	78.6	✓	✓
3420				
5220	1.4	82.2	✓	✓
3420				
5230	0.5	83.1	✓	✓
3430				
5230	4.0	79.6	✓	✓
3440				
5230	5.0	78.6	✓	✓
3450				
5230	5.6	78.0	✓	✓
3450				
5240	4.9	78.7	✓	✓
3440				
5240	5.3	78.3	✓	✓
3430				
5240	2.2	81.4	✓	✓
3430				
5250	1.5	82.1	✓	✓
3440				
5250	5.6	78.0	✓	✓
3450				
5250	5.1	578.5	✓	✓

W.H.S.

583.61

3450					
5260		5.7	577.9	✓	✓
3440		4.4	79.2	✓	✓
5260					
3430		0.8	82.8	✓	✓
5260					
3430		0.6	83.0	✓	✓
5270					
3440		4.7	78.9	✓	✓
5270					
3450		6.0	77.6	✓	✓
5270					
3450		6.5	77.1	✓	✓
5280					
3440		2.7	80.9	✓	✓
5280					
3430		0.0	83.6	✓	✓
5280					

J.P	1243	595.43	0.61	583.00		
3380			10.7	84.7	✓	✓
5140						
3380			10.2	85.2	✓	✓
5150						
3380			10.3	85.1	✓	✓
5160						
3390			11.6	83.8	✓	✓
5160						
3390			10.8	84.6	✓	✓
5170						
3380			9.5	85.9	✓	✓
5170						
3380			8.3	87.1	✓	✓
5180						
3390			10.2	85.2	✓	✓
5180						
3400			10.7	84.7	✓	✓
5190						
3390			8.0	87.4	✓	✓
5190						
3380			6.1	89.3	✓	✓
5190						
3380			4.1	91.3	✓	✓
5200						
3390			6.5	88.9	✓	✓
5200						
3400			9.0	86.4	✓	✓
5200						

W.H.S.

595.43					
3410					
5210	10.9	584.5	✓	✓	✓
3400					
5210	7.9	87.5	✓	✓	✓
3390					
5210	5.0	90.4	✓	✓	✓
3380					
5210	3.0	92.4	✓	✓	✓
3380					
5220	1.6	93.8	✓	✓	✓
3390					
5220	3.9	91.5	✓	✓	✓
3400					
5220	6.5	88.9	✓	✓	✓
3410					
5220	9.7	85.7	✓	✓	✓
3410					
5230	8.3	87.1	✓	✓	✓
3400					
5230	5.5	89.9	✓	✓	✓
3390					
5230	2.5	92.9	✓	✓	✓
3390					
5240	1.1	94.3	✓	✓	✓
3400					
5240	4.7	90.7	✓	✓	✓
3410					
5240	7.8	87.6	✓	✓	✓
3420					
5240	10.8	84.6	✓	✓	✓
3420					
5250	10.1	85.3	✓	✓	✓
3410					
5250	6.9	88.5	✓	✓	✓
3400					
5250	3.7	91.7	✓	✓	✓
3400					
5260	2.4	93.0	✓	✓	✓
3410					
5260	5.9	89.5	✓	✓	✓
3420					
5260	9.3	86.1	✓	✓	✓
3420					
5270	8.4	87.0	✓	✓	✓
3410					
5270	4.3	91.1	✓	✓	✓
3400					
5270	1.3	94.1	✓	✓	✓
3400					
5280	0.2	595.2	✓	✓	✓

W.H.S.

Feb 15-1932
Very Cold - Showers

43

595.43

3410					
5280			2.9	592.5	✓ ✓
3420					
5280			6.1	89.3	✓ ✓
3430					
5290			10.8	84.6	✓ ✓
3420					
5290			4.8	90.6	✓ ✓
3410					
5290			2.3	93.1	✓ ✓

T.P. 12.51 607.77 0.17 595.26

3380					
5290			2.6	605.2	✓ ✓
3390					
5290			8.6	599.2	✓ ✓
3400					
5290			11.4	596.4	✓ ✓
3390					
5220			9.0	598.8	✓ ✓
3380					
5280			4.0	603.8	✓ ✓
3380					
5270			6.3	601.5	✓ ✓
3390					
5270			10.1	597.7	✓ ✓
3390					
5260			8.7	599.1	✓ ✓
3380					
5260			7.0	600.8	✓ ✓
3380					
5250			8.1	599.7	✓ ✓
3390					
5250			10.0	597.8	✓ ✓
3380					
5240			10.4	597.4	✓ ✓
3380					
5230			12.3	595.5	✓ ✓

T.P. 2.78 604.99

W.H.S. Simpson

End Feb 15-1932

3/8/32

Simpson - Notes
Louden Rod
Bailey - Level

605.15 = B.M. 5-9

9.77 614.92

3380					
5300			5.7	609.2	✓ ✓
3390					
5300			13.2	601.7	✓ ✓

614.92

3390					
5310	12.1	602.8	✓	✓	
3380					
5310	6.6	608.3	✓	✓	
3380					
5320	6.7	608.5	✓	✓	
3390					
5320	11.0	603.9	✓	✓	
3400					
5320	14.7	600.2	✓	✓	
3400					
5330	15.3	599.6	✓	✓	
3390					
5330	11.2	603.7	✓	✓	
3380					
5330	4.5	610.4	✓	✓	
3380					
5340	5.4	609.5	✓	✓	
3390					
5340	10.0	604.9	✓	✓	
3400					
5340	14.7	600.2	✓	✓	
3400					
5350	14.6	600.3	✓	✓	
3390					
5350	9.2	605.7	✓	✓	
3380					
5350	5.7	609.2	✓	✓	
3380					
5360	5.5	609.4	✓	✓	
3390					
5360	7.9	607.0	✓	✓	
3400					
5360	15.9	599.0	✓	✓	
3400					
5370	14.9	600.0	✓	✓	
3390					
5370	9.8	605.1	✓	✓	
3380					
5370	4.8	610.1	✓	✓	
3380					
5380	5.6	609.3	✓	✓	
3390					
5380	10.1	604.8	✓	✓	
3400					
5380	14.3	600.6	✓	✓	
3400					
5390	14.5	600.4	✓	✓	
3390					
5390	9.4	605.5	✓	✓	

614.92

3380					
5390		5.0	609.9	✓	✓
3380					
5400		4.8	610.1	✓	✓
3390					
5400		8.5	606.4	✓	✓
3400					
5400		13.3	601.6	✓	✓
3400					
5410		13.3	601.6	✓	✓
3390					
5410		8.2	606.7	✓	✓
3380					
5410		5.1	609.8	✓	✓
3380					
5420		4.9	610.0	✓	✓
3390					
5420		8.1	606.8	✓	✓
3400					
5420		13.7	601.2	✓	✓
3400					
5430		13.3	601.6	✓	✓
3390					
5430		8.4	606.5	✓	✓
3380					
5430		4.3	610.6	✓	✓
3380					
5440		4.2	610.7	✓	✓
3390					
5440		8.7	606.2	✓	✓
3400					
5440		12.3	602.6	✓	✓
3400					
5450		12.6	602.3	✓	✓
3390					
5450		7.6	607.3	✓	✓
3380					
5450		3.4	611.5	✓	✓
3380					
5460		2.7	612.2	✓	✓
3390					
5460		7.3	607.6	✓	✓
3400					
5460		12.1	602.8	✓	✓
3400					
5470		14.4	600.5	✓	✓
3390					
5470		7.9	607.0	✓	✓
3380					
5470		1.8	613.1	✓	✓

3380		614.92				
5480			2.2	612.7	✓	✓
3390			5.7	609.2	✓	✓
5480			14.7	600.2	✓	✓
3400			14.7	600.2	✓	✓
5490			9.2	605.7	✓	✓
3390			5.7	609.2	✓	✓
5490			9.94	604.98	= check	
3380						
5490						
	0.54	605.69		605.15	= B.M. 5-9	
3410			7.5	598.2	✓	✓
5460			13.6	592.1	✓	✓
3420			13.5	592.2	✓	✓
5470			9.7	596.0	✓	✓
3410			9.0	596.7	✓	✓
5480			13.0	592.7	✓	✓
3420			14.5	591.2	✓	✓
5480			8.8	596.9	✓	✓
3420			11.2	594.5	✓	✓
5490			14.6	591.1	✓	✓
3410			15.0	590.7	✓	✓
5500			11.9	593.8	✓	✓
3420			6.5	599.2	✓	✓
5500			5.5	600.2	✓	✓
3420			0.0	605.7	✓	✓
5510			3.0	602.7	✓	✓
3400			4.6	601.1	✓	✓
5500						
3390						
5500						
3390						
5510						
3390						
5520						

on F.P. El. 604.99 (See page 43)

605.69

3400					
5520		8.5	597.2	✓	✓
3410					
5520		11.9	593.8	✓	✓
3420					
5520		16.6	589.1	✓	✓
3410					
5530		13.9	591.8	✓	✓
3400					
5530		9.7	596.0	✓	✓
T.P.		10.92	594.77	✓	

0.85 595.62

3420					
5530		5.8	89.8	✓	✓
3430					
5520		12.8	82.8	✓	✓
3430					
5510		11.2	84.4	✓	✓
3430					
5500		10.3	85.3	✓	✓
3430					
5490		8.9	86.7	✓	✓
3440					
5480		13.0	82.6	✓	✓
3430					
5480		8.7	86.9	✓	✓
3430					
5470		7.2	88.4	✓	✓
3440					
5470		12.1	83.5	✓	✓
3440					
5460		11.2	84.4	✓	✓
3430					
5460		7.3	88.3	✓	✓
3410					
5450		+2.3	97.9	✓	✓
3410					
5440		+2.0	97.6	✓	✓
3410					
5430		+2.2	97.8	✓	✓
3410					
5420		+2.8	98.4	✓	✓
3410					
5410		+3.4	99.0	✓	✓
3410					
5400		+2.0	97.6	✓	✓
3410					
5390		+3.6	99.2	✓	✓

3410	595.62				
5380		+1.0	596.6 [✓]	✓	✓
3420					
5450		2.7	92.9 [✓]	✓	✓
3430					
5450		6.4	89.2 [✓]	✓	✓
3440					
5450		11.0	84.6 [✓]	✓	✓
3450					
5440		13.8	81.8 [✓]	✓	✓
3440					
5440		9.8	85.8 [✓]	✓	✓
3430					
5440		6.6	89.0 [✓]	✓	✓
3420					
5440		2.6	93.0 [✓]	✓	✓
3420					
5430		2.9	92.7 [✓]	✓	✓
3430					
5430		5.9	89.7 [✓]	✓	✓
3440					
5430		10.4	85.2 [✓]	✓	✓
3450					
5430		14.0	81.6 [✓]	✓	✓
3450					
5420		13.5	82.1 [✓]	✓	✓
3440					
5420		10.1	85.5 [✓]	✓	✓
3430					
5420		6.1	89.5 [✓]	✓	✓
3420					
5420		3.0	92.6 [✓]	✓	✓
3420					
5410		2.4	93.2 [✓]	✓	✓
3430					
5410		5.2	90.4 [✓]	✓	✓
3440					
5410		10.5	85.1 [✓]	✓	✓
3450					
5410		13.7	81.9 [✓]	✓	✓
3450					
5400		14.1	81.5 [✓]	✓	✓
3440					
5400		10.7	84.9 [✓]	✓	✓
3430					
5400		7.3	88.3 [✓]	✓	✓
3420					
5400		3.3	92.3 [✓]	✓	✓
3420					
5390		3.9	91.7 [✓]	✓	✓

595.62

3430					
5390	7.8	587.8	✓	✓	
3440					
5390	10.3	85.3	✓	✓	
3450					
5390	14.0	81.6	✓	✓	
3450					
5380	13.7	81.9	✓	✓	
3440					
5380	10.5	85.1	✓	✓	
3430					
5380	7.9	87.7	✓	✓	
3420					
5380	3.9	91.7	✓	✓	
3410					
5370	0.1	95.5	✓	✓	
3420					
5370	4.3	91.3	✓	✓	
3430					
5370	8.0	87.6	✓	✓	
3440					
5370	10.3	85.3	✓	✓	
3450					
5370	13.8	81.8	✓	✓	
3450					
5360	15.5	80.1	✓	✓	
3440					
5360	10.4	85.2	✓	✓	
3430					
5360	8.5	87.1	✓	✓	
3420					
5360	4.5	91.1	✓	✓	
3410					
5360	0.4	95.2	✓	✓	
3410					
5350	0.5	95.1	✓	✓	
3420					
5350	4.0	91.6	✓	✓	
3430					
5350	8.6	87.0	✓	✓	
3440					
5350	12.4	83.2	✓	✓	
3440					
5340	13.3	82.3	✓	✓	
3430					
5340	9.6	86.0	✓	✓	
3420					
5340	5.0	90.6	✓	✓	
3410					
5340	1.1	94.5	✓	✓	

3410		595.62				
5330			0.7	594.9	✓	✓
3420						
5330			4.2	91.4	✓	✓
3430						
5330			10.0	85.6	✓	✓
3440						
5330			13.7	81.9	✓	✓
3440						
5320			14.1	81.5	✓	✓
3430						
5320			9.9	85.7	✓	✓
3420						
5320			6.2	89.4	✓	✓
3410						
5326			1.8	93.8	✓	✓
3400						
5310			+3.3	98.9	✓	✓
3410						
5310			1.3	94.3	✓	✓
3420						
5310			6.4	89.2	✓	✓
3430						
5310			10.4	85.2	✓	✓
3440						
5310			14.7	80.9	✓	✓
3440						
5300			14.8	80.8	✓	✓
3430						
5300			11.2	84.4	✓	✓
3420						
5300			6.2	89.4	✓	✓
3410						
5300			2.3	93.3	✓	✓
3400						
5300			+2.4	98.0	✓	✓
T.P.	2.25	585.65	12.22	583.40	✓	✓
3440						
5290			5.2	80.4	✓	✓
3460						
5280			8.1	77.5	✓	✓
3470						
5280			12.3	73.3	✓	✓
3470						
5290			12.2	73.4	✓	✓
3460						
5290			8.4	77.2	✓	✓
3450						
5290			8.9	76.7	✓	✓

3450	585.65			
5300		9.1	576.5 [✓]	✓
3460		9.0	76.6 [✓]	✓
5300		11.9	73.7 [✓]	✓
3470		14.5	71.1 [✓]	✓
5300		11.5	74.1 [✓]	✓
3470		9.3	76.3 [✓]	✓
5310		7.7	77.9 [✓]	✓
3460		7.0	78.6 [✓]	✓
5320		9.3	76.3 [✓]	✓
3470		11.7	73.9 [✓]	✓
5320		11.3	74.3 [✓]	✓
3470		9.3	76.3 [✓]	✓
5330		6.5	79.1 [✓]	✓
3450		6.2	79.4 [✓]	✓
5330		9.4	76.2 [✓]	✓
3460		10.5	75.1 [✓]	✓
5340		13.9	71.7 [✓]	✓
3470		13.5	72.1 [✓]	✓
5340		9.5	76.1 [✓]	✓
3480		9.7	75.9 [✓]	✓
5350		5.6	80.0 [✓]	✓
3470		9.7	75.9 [✓]	✓
5360		9.9	75.7 [✓]	✓
3460		13.1	72.5 [✓]	✓
5360		12.8	72.8 [✓]	✓
3480				
5370				

585.65

3470					
5370	9.6	576.0	✓	✓	
3460					
5370	9.5	76.1	✓	✓	
3460					
5380	9.8	75.8	✓	✓	
3470					
5380	9.7	75.9	✓	✓	
3480					
5380	12.6	73.0	✓	✓	
3480					
5390	12.5	73.1	✓	✓	
3470					
5390	9.7	75.9	✓	✓	
3460					
5390	9.5	76.1	✓	✓	
3460					
5400	9.2	76.4	✓	✓	
3470					
5400	9.7	75.9	✓	✓	
3480					
5400	12.6	73.0	✓	✓	
3480					
5410	12.4	73.2	✓	✓	
3470					
5410	10.1	75.5	✓	✓	
3460					
5410	9.0	76.6	✓	✓	
3460					
5420	7.2	78.4	✓	✓	
3470					
5420	10.3	75.3	✓	✓	
3480					
5420	12.6	73.0	✓	✓	
3480					
5430	12.2	73.4	✓	✓	
3470					
5430	10.0	75.6	✓	✓	
3460					
5430	8.8	76.8	✓	✓	
3460					
5440	8.9	76.7	✓	✓	
3470					
5440	9.8	75.8	✓	✓	
3480					
5440	12.8	72.8	✓	✓	
3480					
5450	11.2	74.4	✓	✓	
3470					
5450	9.6	76.0	✓	✓	

585.65

3460				
5450				
3450	7.5	576.1	✓	✓
5450	7.5	78.1	✓	✓
3450				
5460	9.0	76.6	✓	✓
3460	9.8	75.8	✓	✓
5460	9.9	75.7	✓	✓
3470				
5460	12.1	73.5	✓	✓
3480				
5470	13.2	72.4	✓	✓
3470				
5470	11.0	74.6	✓	✓
3460				
5470	10.3	75.3	✓	✓
3450				
5470	6.5	79.1	✓	✓
3450				
5480	7.5	78.1	✓	✓
3460				
5480	10.9	74.7	✓	✓
3470				
5480	11.9	73.7	✓	✓
3480				
5480	13.4	72.2	✓	✓
3480				
5490	13.0	72.6	✓	✓
3470				
5490	11.8	73.8	✓	✓
3460				
5490	11.1	74.5	✓	✓
3450				
5490	8.9	76.7	✓	✓
3440				
5490	3.7	81.9	✓	✓
3440				
5500	5.5	80.1	✓	✓
3450				
5500	10.7	74.9	✓	✓
3460				
5500	11.1	74.5	✓	✓
3470				
5500	12.1	73.5	✓	✓
3480				
5500	12.7	72.9	✓	✓
3480				
5510	12.7	72.9	✓	✓

585.65

3470					
5510		12.0	573.6	✓	✓
3460					
5510		10.9	74.7	✓	✓
3450					
5510		10.7	74.9	✓	✓
3440					
5510		6.4	79.2	✓	✓
3440					
5520		7.5	78.1	✓	✓
3450					
5520		10.5	75.1	✓	✓
3460					
5520		10.9	74.7	✓	✓
3470					
5520		11.9	73.7	✓	✓
3480					
5520		12.4	73.2	✓	✓
3480					
5530		12.5	73.1	✓	✓
3470					
5530		11.7	73.9	✓	✓
3460					
5530		10.9	74.7	✓	✓
3450					
5530		10.6	75.0	✓	✓
3440					
5530		9.5	76.1	✓	✓
3430					
5530		4.8	80.8	✓	✓
3430					
5540		8.0	77.6	✓	✓
3440					
5540		10.5	75.1	✓	✓
3450					
5540		10.5	75.1	✓	✓
3460					
5540		11.2	74.4	✓	✓
3470					
5540		12.0	73.6	✓	✓
3480					
5540		12.5	73.1	✓	✓
T.P.	0.86	574.64	11.87	573.78	3480 on 5540
3490					
5540		1.5	73.1	✓	✓
3500					
5540		6.4	68.2	✓	✓
3500					
5550		6.4	68.2	✓	✓

		574.64			
3490			1.4	573.2	✓ ✓
5550					
3480			1.0	73.6	✓ ✓
5550					
T.P.	4.70	578.48	0.86	573.72	
3470					
5550			4.7	73.8	✓ ✓
3460					
5550			4.3	74.2	✓ ✓
3450					
5550			3.3	75.2	✓ ✓
3440					
5550			3.1	75.4	✓ ✓
3430					
5550			0.5	78.0	✓ ✓
3430					
5560			1.1	77.4	✓ ✓
3440					
5560			2.9	75.6	✓ ✓
3450					
5560			3.0	75.5	✓ ✓
3460					
5560			4.0	74.5	✓ ✓
3470					
5560			4.6	73.9	✓ ✓
3480					
5560			4.9	73.6	✓ ✓
3490					
5560			4.9	73.6	✓ ✓
3500					
5560			9.7	68.8	✓ ✓
3500					
5570			11.9	66.6	✓ ✓
3490					
5570			4.8	73.7	✓ ✓
3480					
5570			4.6	73.9	✓ ✓
3470					
5570			4.4	74.1	✓ ✓
3460					
5570			3.8	74.7	✓ ✓
3450					
5570			3.0	75.5	✓ ✓
3440					
5570			2.9	75.6	✓ ✓
3430					
5570			1.9	76.6	✓ ✓
3430					
5580			2.4	76.1	✓ ✓

3440	578.48			
5580		2.7	575.8 [✓]	✓ ✓
3450		3.0	75.5 [✓]	✓ ✓
5580		3.6	74.9 [✓]	✓ ✓
3460		4.3	74.2 [✓]	✓ ✓
5580		4.3	74.2 [✓]	✓ ✓
3470		4.7	73.8 [✓]	✓ ✓
5580		11.1	67.4 [✓]	✓ ✓
3480		12.8	65.7 [✓]	✓ ✓
5580		4.7	73.8 [✓]	✓ ✓
3490		4.4	74.1 [✓]	✓ ✓
5580		4.2	74.3 [✓]	✓ ✓
3460		3.6	74.9 [✓]	✓ ✓
5590		2.9	75.6 [✓]	✓ ✓
3440		2.4	76.1 [✓]	✓ ✓
5590		2.5	76.0 [✓]	✓ ✓
3430		2.1	76.4 [✓]	✓ ✓
5590		2.3	76.2 [✓]	✓ ✓
3450		2.8	75.7 [✓]	✓ ✓
5600		3.5	75.0 [✓]	✓ ✓
3460		3.9	74.6 [✓]	✓ ✓
5600		4.2	74.3 [✓]	✓ ✓
3470		6.3	72.2 [✓]	✓ ✓
5600		4.3	74.2 [✓]	✓ ✓
3480		3.8	74.7 [✓]	✓ ✓
5610		3.7	74.8 [✓]	✓ ✓
3470				
5610				

578.48

3460					
5610					
3450		3.4	575.1	✓	✓
5610		2.2	76.3	✓	✓
3440					
5610		2.1	76.4	✓	✓
3430					
5610		1.6	76.9	✓	✓
3430					
5620		1.3	77.2	✓	✓
3440					
5620		1.9	76.6	✓	✓
3450					
5620		2.2	76.3	✓	✓
3460					
5620		3.2	75.3	✓	✓
3470					
5620		3.5	75.0	✓	✓
3480					
5620		3.9	74.6	✓	✓
3490					
5620		7.4	71.1	✓	✓
3490					
5630		8.2	70.3	✓	✓
3480					
5630		3.8	74.7	✓	✓
3470					
5630		3.4	75.1	✓	✓
3460					
5630		2.8	75.7	✓	✓
3450					
5630		2.1	76.4	✓	✓
3440					
5630		1.1	77.4	✓	✓
3430					
5630		0.9	77.6	✓	✓
3490					
5530		5.8	72.7	✓	✓
3500					
5530		10.2	68.3	✓	✓
3500					
5520		10.2	68.3	✓	✓
3490					
5520		6.2	72.3	✓	✓
3490					
5510		6.6	71.9	✓	✓
3500					
5510		10.3	68.2	✓	✓
3500					
5500		11.0	67.5	✓	✓

3490	578.48			
5500		6.4	572.1	✓ ✓ ✓
3490				
5490		6.6	71.9	✓ ✓ ✓
3500				
5490		10.7	67.8	✓ ✓ ✓
3500				
5480		11.1	67.4	✓ ✓ ✓
3490				
5480		6.8	71.7	✓ ✓ ✓
3490				
5470		7.1	71.4	✓ ✓ ✓
3500				
5470		11.2	67.3	✓ ✓ ✓
3500				
5460		11.4	67.1	✓ ✓ ✓
3490				
5460		7.5	71.0	✓ ✓ ✓
3490				
5450		7.4	71.1	✓ ✓ ✓
3500				
5450		11.5	67.0	✓ ✓ ✓
3500				
5440		11.6	66.9	✓ ✓ ✓
3490				
5440		7.9	70.6	✓ ✓ ✓
3490				
5430		7.5	71.0	✓ ✓ ✓
3500				
5430		11.6	66.9	✓ ✓ ✓
3500				
5420		10.7	67.8	✓ ✓ ✓
3490				
5420		7.8	70.7	✓ ✓ ✓
3490				
5410		7.5	71.0	✓ ✓ ✓
3500				
5410		12.5	66.0	✓ ✓ ✓
3500				
5400		12.2	66.3	✓ ✓ ✓
3490				
5400		7.7	70.8	✓ ✓ ✓
3490				
5390		6.9	71.6	✓ ✓ ✓
3500				
5390		12.9	65.6	✓ ✓ ✓
3500				
5380		13.1	65.4	✓ ✓ ✓
3490				
5380		7.4	71.1	✓ ✓ ✓

3490	578.48				
5370		7.5	571.0	✓	✓
3490					
5360		10.1	68.4	✓	✓
3490					
5350		11.2	67.3	✓	✓
3490					
5340		13.5	65.0	✓	✓
3480					
5330		8.4	70.1	✓	✓
3480					
5320		9.0	69.5	✓	✓
3480					
5310		10.4	68.1	✓	✓
3480					
5290		10.9	67.6	✓	✓
3480					
5280		13.9	64.6	✓	✓
3480					
5270		13.1	65.4	✓	✓
3470					
5270		5.9	72.6	✓	✓
3460					
5270		3.6	74.9	✓	✓
3460					
5260		2.6	75.9	✓	✓
3470					
5260		6.1	72.4	✓	✓
3480					
5260		10.5	68.0	✓	✓
3480					
5250		10.7	67.8	✓	✓
3470					
5250		5.9	72.6	✓	✓
3460					
5250		3.1	75.4	✓	✓
3460					
5240		4.0	74.5	✓	✓
3470					
5240		6.0	72.5	✓	✓
3480					
5240		11.6	66.9	✓	✓
3480					
5230		11.7	66.8	✓	✓
3470					
5230		6.3	72.2	✓	✓
3460					
5230		4.6	73.9	✓	✓
T.P.		4.44	574.04		

	6.90	580.94	574.04		
3460					
5220			8.0	572.9	✓ ✓
3470			9.3	71.6	✓ ✓
5220					
3470			12.8	68.1	✓ ✓
5210					
3460			8.1	72.8	✓ ✓
5210					
3460			8.5	72.4	✓ ✓
5200					
3470			9.7	71.2	✓ ✓
5200					
3470			10.5	70.4	✓ ✓
5190					
3460			8.8	72.1	✓ ✓
5190					
3460			9.0	71.9	✓ ✓
5180					
3470			10.2	70.7	✓ ✓
5180					
3470			14.7	66.2	✓ ✓
5170					
3460			9.3	71.6	✓ ✓
5170					
3460			9.6	71.3	✓ ✓
5160					
3460			15.8	65.1	✓ ✓
5150					

	1.11	575.16	6.89	574.05 = check	
3420					
4860			5.3	69.9	✓ ✓
3430					
4860			10.6	64.6	✓ ✓
3430					
4850			10.6	64.6	✓ ✓
3420					
4850			5.0	70.2	✓ ✓
3410					
4850			4.6	70.6	✓ ✓
3410					
4840			4.9	70.3	✓ ✓
3420					
4840			5.0	70.2	✓ ✓
3430					
4840			6.1	69.1	✓ ✓
3430					
4830			6.1	69.1	✓ ✓

on 3400 5000 E1. 574.03

575.16

3420					
4830	5.3	569.9	✓	✓	
3410					
4830	5.3	69.9	✓	✓	
3420	5.4	69.8	✓	✓	
4820	6.2	69.0	✓	✓	
3430					
4820	6.0	69.2	✓	✓	
3430					
4810	5.5	69.7	✓	✓	
3420					
4810	5.7	69.5	✓	✓	
3430					
4800	8.8	66.4	✓	✓	
3440					
4800	13.4	61.8	✓	✓	
3450					
4790	5.9	69.3	✓	✓	
3440					
4790	5.9	69.3	✓	✓	
3430					
4790					
3440	6.0	69.2	✓	✓	
4780					
3450	7.5	67.7	✓	✓	
4780					
3450	6.2	69.0	✓	✓	
4770					
3440	6.3	68.9	✓	✓	
4770					
3460	12.0	63.2	✓	✓	
4770					
3460	6.4	68.8	✓	✓	
4760					
3450	6.6	68.6	✓	✓	
4760					
3450	6.8	68.4	✓	✓	
4750					
3460	6.2	69.0	✓	✓	
4750					
3470	11.3	63.9	✓	✓	
4750					
3480	12.8	62.4	✓	✓	
4740					
3470					
4740	7.5	67.7	✓	✓	
3460					
4740	6.9	68.3	✓	✓	
3450					
4740	7.1	68.1	✓	✓	

3460	575.16				
4730		6.9	568.3	✓	✓
3470					
4730		6.4	68.8	✓	✓
3480					
4730		12.7	62.5	✓	✓
3490					
4720		13.2	62.0	✓	✓
3480					
4720		12.3	62.9	✓	✓
3470					
4720		6.2	69.0	✓	✓
3460					
4720		6.9	68.3	✓	✓
3460					
4710		6.4	68.8	✓	✓
3470					
4710		6.3	68.9	✓	✓
3480					
4710		11.2	64.0	✓	✓
3490					
4710		14.1	61.1	✓	✓
3490					
4700		12.6	62.6	✓	✓
3480					
4700		7.6	67.6	✓	✓
3470					
4700		6.2	69.0	✓	✓
3460					
4700		3.5	71.7	✓	✓
3460					
4690		2.3	72.9	✓	✓
3470					
4690		5.7	69.5	✓	✓
3480					
4690		6.3	68.9	✓	✓
3490					
4690		12.6	62.6	✓	✓
3490					
4680		11.2	64.0	✓	✓
3480					
4680		5.6	69.6	✓	✓
3470					
4680		4.8	70.4	✓	✓
3460					
4680		0.0	75.2	✓	✓
T.P.		2.94	572.22	✓	✓

8.47

580.69

580.69

3460				
4670	5.7	575.0	✓	✓
3470				
4670	9.4	71.3	✓	✓
3480				
4670	9.9	70.8	✓	✓
3480				
4660	10.5	70.2	✓	✓
3470				
4660	8.6	72.1	✓	✓
3460				
4660	5.4	75.3	✓	✓
3460				
4650	6.2	74.5	✓	✓
3470				
4650	7.5	73.2	✓	✓
3480				
4650	11.7	69.0	✓	✓
3480				
4640	10.4	70.3	✓	✓
3470				
4640	7.4	73.3	✓	✓
3460				
4640	7.0	73.7	✓	✓
3460				
4630	5.8	74.9	✓	✓
3470				
4630	5.7	75.0	✓	✓
3480				
4630	9.6	71.1	✓	✓
3490				
4630	14.5	66.2	✓	✓
3490				
4620	13.0	67.7	✓	✓
3480				
4620	5.9	74.8	✓	✓
3470				
4620	4.8	75.9	✓	✓
3460				
4620	5.6	75.1	✓	✓
3460				
4610	4.7	76.0	✓	✓
3470				
4610	3.7	77.0	✓	✓
3480				
4610	8.3	72.4	✓	✓
3490				
4610	12.5	68.2	✓	✓
3490				
4600	13.4	67.3	✓	✓

580.69

3480					
4600					
3470	8.1	572.6	✓	✓	
4600	4.3	76.4	✓	✓	
3460					
4600	4.2	76.5	✓	✓	
3460					
4590	4.2	76.5	✓	✓	
3470					
4590	4.2	76.5	✓	✓	
3480					
4590	7.5	73.2	✓	✓	
3490					
4590	14.3	66.4	✓	✓	
3490					
4580	14.3	66.4	✓	✓	
3480					
4580	10.3	70.4	✓	✓	
3470					
4580	6.1	74.6	✓	✓	
3460					
4580	4.6	76.1	✓	✓	
3450					
4570	4.6	76.1	✓		
3460					
4570	5.1	75.6	✓		
3470					
4570	6.0	74.7	✓		
3480					
4570	9.8	70.9	✓		
3490					
4570	15.0	65.7	✓		
3490					
4560	16.3	64.4	✓		
3480					
4560	11.3	69.4	✓		
3470					
4560	8.2	72.5	✓		
3460					
4560	6.0	74.7	✓		
3450					
4560	5.2	75.5	✓		
3450					
4550	6.0	74.7	✓		
3460					
4550	6.2	74.5	✓		
3470					
4550	6.7	74.0	✓		
3480					
4550	11.3	69.4	✓		

580.69

3480					
4540					
3470		11.6	569.1	✓	✓
4540		8.8	71.9	✓	✓
3460		6.9	73.8	✓	✓
4540		6.4	74.3	✓	✓
3450		7.0	73.7	✓	✓
4530		7.2	73.5	✓	✓
3460		8.8	71.9	✓	✓
4530		12.3	68.4	✓	✓
3470		13.3	67.4	✓	✓
4530		8.4	72.3	✓	✓
3470		7.6	73.1	✓	✓
4520		7.5	73.2	✓	✓
3450		4.7	76.0	✓	✓
4520		7.9	72.8	✓	✓
3440		8.5	72.2	✓	✓
4510		10.4	70.3	✓	✓
3470		15.5	65.2	✓	✓
4510		16.3	64.4	✓	✓
3480		10.1	70.6	✓	✓
4500		8.7	72.0	✓	✓
3460		8.5	72.2	✓	✓
4500		6.2	74.5	✓	✓
3450		5.2	75.5	✓	✓
4500		6.2	74.5	✓	✓
3440		5.2	75.5	✓	✓
4490					
3430					
4490					
3440					
4490					

580.69

3450					
4490	9.0	571.7	✓		
3460					
4490	9.0	71.7	✓		
3470					
4490	12.9	67.8	✓		
3480					
4490	17.0	63.7	✓		
3480					
4480	15.7	65.0	✓		
3470					
4480	12.5	68.2	✓	✓	
3460					
4480	9.4	71.3	✓	✓	
3450					
4480	9.5	71.2	✓	✓	
3440					
4480	7.7	73.0	✓	✓	
3430					
4480	7.2	73.5	✓	✓	
3420					
4480	7.4	73.3	✓	✓	
3420					
4470	8.2	72.5	✓	✓	
3430					
4470	9.0	71.7	✓	✓	
3440					
4470	9.7	71.0	✓	✓	
3450					
4470	10.1	70.6	✓	✓	
3460					
4470	10.6	70.1	✓	✓	
3470					
4470	14.3	66.4	✓	✓	
3470					
4460	15.0	65.7	✓	✓	
3460					
4460	12.7	68.0	✓	✓	
3450					
4460	10.7	70.0	✓	✓	
3440					
4460	10.0	70.7	✓	✓	
3430					
4460	10.6	70.1	✓	✓	
3420					
4460	7.0	73.7	✓	✓	
3420					
4450	6.5	74.2	✓	✓	
3430					
4450	8.8	71.9	✓	✓	

580.69

3440					
4450		10.5	570.2	✓	
3450					
4450		14.0	66.7	✓	✓
3450					
4440		10.8	69.9	✓	✓
3440					
4440		10.6	70.1	✓	
3430					
4440		8.0	72.7	✓	
3420					
4440		6.1	74.6	✓	✓

2.76 577.93 = check

on B.M. S-1 E1 577.89

End Mar 8, 1932

T.P. 1.78

569.36

13.02 567.58 = nail in

oak stump ³⁴⁸⁴ 4560

Mar. 9, 1932
Simpson - notes
Louden - Rod
Bailey - Level.

3460					
4440		5.7	63.7	✓	✓
3470					
4440		7.5	61.9	✓	✓
3480					
4440		7.8	61.6	✓	✓
3490					
4440		10.7	58.7	✓	✓
3500					
4440		14.9	54.5	✓	✓
3510					
4440		15.2	54.2	✓	✓
3520					
4440		16.0	53.4	✓	✓
3530					
4440		16.4	53.0	✓	✓
3540					
4440		16.8	52.6	✓	✓
3540					
4430		17.0	52.4	✓	✓
3530					
4430		16.4	53.0	✓	
3520					
4430		16.6	52.8	✓	
3510					
4430		14.5	54.9	✓	
3500					
4430		14.4	55.0	✓	
3490					
4430		12.3	57.1	✓	
3480					
4430		10.2	59.2	✓	
3470					
4430		7.6	61.8	✓	

569.36

3460					
4430	4.4	565.0	✓	✓	
3460					
4420	5.0	64.4	✓	✓	
3470					
4420	7.9	61.5	✓	✓	
3480					
4420	9.5	59.9	✓	✓	
3490					
4420	12.8	56.6	✓	✓	
3500					
4420	14.1	55.3	✓	✓	
3510					
4420	14.9	54.5	✓	✓	
3520					
4420	16.8	52.6	✓	✓	
3530					
4420	16.4	53.0	✓	✓	
3540					
4420	17.3	52.1	✓	✓	
3540					
4410	17.5	51.9	✓	✓	
3530					
4410	16.5	52.9	✓	✓	
3520					
4410	16.7	52.7	✓	✓	✓
3510					
4410	15.0	54.4	✓	✓	✓
3500					
4410	14.3	55.1	✓	✓	✓
3490					
4410	13.5	55.9	✓	✓	✓
3480					
4410	8.9	60.5	✓	✓	✓
3510					
4400	16.3	53.1	✓	✓	✓
3520					
4400	16.3	53.1	✓	✓	✓
3530					
4400	16.4	53.0	✓	✓	✓
3540					
4450	17.2	52.2	✓	✓	✓
3530					
4450	16.7	52.7	✓	✓	✓
3520					
4450	15.4	54.0	✓	✓	✓
3510					
4450	15.2	54.2	✓	✓	✓
3500					
4450	15.5	53.9	✓	✓	✓

569.36

3490				
4450	9.8	559.6	✓	✓
3480				
4450	7.5	61.9	✓	✓
3470				
4450	5.4	64.0	✓	✓
3460				
4450	5.3	64.1	✓	✓
3480				
4460	7.4	62.0	✓	✓
3490				
4460	9.7	59.7	✓	✓
3500				
4460	14.3	55.1	✓	✓
3510				
4460	14.8	54.6	✓	✓
3520				
4460	15.3	54.1	✓	✓
3530				
4460	16.4	53.0	✓	✓
3540				
4460	16.8	52.6	✓	✓
3530				
4470	16.5	52.9	✓	✓
3520				
4470	15.5	53.9	✓	✓
3510				
4470	14.0	55.4	✓	✓
3500				
4470	13.5	55.9	✓	✓
3490				
4470	9.8	59.6	✓	✓
3480				
4470	7.0	62.4	✓	✓
3490				
4480	8.6	60.8	✓	✓
3500				
4480	11.4	58.0	✓	✓
3510				
4480	13.1	56.3	✓	✓
3520				
4480	15.4	54.0	✓	✓
3530				
4480	16.0	53.4	✓	✓
3530				
4490	16.2	53.2	✓	✓
3520				
4490	15.9	53.5	✓	✓
3510				
4490	13.0	56.4	✓	✓

569.36

3500		557.7	✓	✓
4490	11.7	558.7	✓	✓
3490				
4490	8.0	614	✓	✓
3490				
4500	8.9	60.5	✓	✓
3500				
4500	10.7	58.7	✓	✓
3510				
4500	14.5	54.9	✓	✓
3520				
4500	15.5	53.9	✓	✓
3530				
4500	16.8	52.6	✓	✓
3530				
4510	16.4	53.0	✓	✓
3520				
4510	15.2	54.2	✓	✓
3510				
4510	14.0	55.4	✓	✓
3500				
4510	10.2	59.2	✓	✓
3490				
4510	7.0	62.4	✓	✓
3490				
4520	7.2	62.2	✓	✓
3500				
4520	9.1	60.3	✓	✓
3510				
4520	13.5	55.9	✓	✓
3520				
4520	14.9	54.5	✓	✓
3530				
4520	16.4	53.0	✓	✓
3530				
4530	15.6	53.8	✓	✓
3520				
4530	15.0	54.4	✓	✓
3510				
4530	13.2	56.2	✓	✓
3500				
4530	8.0	61.4	✓	✓
3490				
4530	6.5	62.9	✓	✓
3490				
4540	6.4	63.0	✓	✓
3500				
4540	8.9	60.5	✓	✓
3510				
4540	12.7	56.7	✓	✓

569.36

3520				
4540	15.5	53.9	✓	✓
3530				
4540	15.3	54.1	✓	✓
3530				
4550	14.8	54.6	✓	✓
3520				
4550	15.3	54.1	✓	✓
3510				
4550	12.6	56.8	✓	✓
3500				
4550	9.3	60.1	✓	✓
3490				
4550	5.1	64.3	✓	✓
3500				
4560	9.3	60.1	✓	
3510				
4560	12.1	57.3	✓	
3520				
4560	14.6	54.8	✓	
3530				
4560	14.9	54.5	✓	
3530				
4570	15.9	53.5	✓	
3520				
4570	14.8	54.6	✓	
3510				
4570	11.5	57.9	✓	
3500				
4570	10.1	59.3	✓	
3500				
4580	8.0	61.4	✓	
3510				
4580	11.3	58.1	✓	
3520				
4580	14.7	54.7	✓	
3530				
4580	16.0	53.4	✓	
3530				
4590	16.0	53.4	✓	
3520				
4590	13.1	56.3	✓	
3510				
4590	11.0	58.4	✓	
3500				
4590	7.3	62.1	✓	
3500				
4600	4.9	64.5	✓	
3510				
4600	9.7	59.7	✓	

569.36

3520				
4600	15.0	554.4	✓	✓
3530				
4600	15.6	53.8	✓	✓
3530				
4610	15.7	53.7	✓	✓
3520				
4610	14.8	54.6	✓	✓
3510				
4610	10.7	58.7	✓	✓
3500				
4610	6.0	63.4	✓	✓
3500				
4620	7.2	62.2	✓	✓
3510				
4620	10.6	58.8	✓	✓
3520				
4620	13.7	55.7	✓	✓
3530				
4620	16.1	53.3	✓	✓
3530				
4630	16.3	53.1	✓	✓
3520				
4630	14.4	55.0	✓	✓
3510				
4630	8.8	60.6	✓	✓
3500				
4630	8.0	61.4	✓	✓
3490				
4640	3.6	65.8	✓	✓
3500				
4640	8.0	61.4	✓	✓
3510				
4640	12.2	57.2	✓	✓
3520				
4640	14.4	55.0	✓	✓
3530				
4640	16.0	53.4	✓	✓
3530				
4650	16.3	53.1	✓	✓
3520				
4650	15.0	54.4	✓	✓
3510				
4650	7.9	61.5	✓	✓
3500				
4650	8.4	61.0	✓	✓
3490				
4650	4.0	65.4	✓	✓
3490				
4660	5.9	63.5	✓	✓

569.36

3500 4660	9.0	56.4	✓	✓
3510 4660	13.1	56.3	✓	✓
3520 4660	15.2	54.2	✓	✓
3530 4660	16.8	52.6	✓	✓
3520 4670	14.8	54.6	✓	✓
3510 4670	12.1	57.3	✓	✓
3500 4670	8.7	60.7	✓	✓
3490 4670	6.7	62.7	✓	✓
3500 4680	8.6	60.8	✓	✓
3510 4680	12.5	56.9	✓	✓
3520 4680	14.3	55.1	✓	✓
3520 4690	14.5	54.9	✓	✓
3510 4690	12.8	56.6	✓	✓
3500 4690	9.3	60.1	✓	✓
3500 4700	10.0	59.4	✓	✓
3510 4700	11.1	58.3	✓	✓
3520 4700	14.9	54.5	✓	✓
3520 4710	14.5	54.9	✓	✓
3510 4710	11.4	58.0	✓	✓
3500 4710	10.1	59.3	✓	✓
3500 4720	12.1	57.3	✓	✓
3510 4720	13.1	56.3	✓	✓
3520 4720	14.4	55.0	✓	✓
3530 4720	15.7	53.7	✓	✓
3530 4730	15.5	53.9	✓	✓

569.36

3520						
4730			14.1	555.3	✓	
3510						
4730			13.1	56.3	✓	
3500						
4730			13.0	56.4	✓	
3490						
4730			9.2	60.2	✓	
3490						
4740			12.3	57.1	✓	
T.P.	7.61	566.14	10.83	558.53	✓	
3500						
4740			10.2	55.9	✓	
3510						
4740			10.6	55.5	✓	
3520						
4740			11.4	54.7	✓	
3530						
4740			12.3	53.8	✓	✓
3530						
4750			12.4	53.7	✓	✓
3520						
4750			11.3	54.8	✓	✓
3510						
4750			11.3	54.8	✓	✓
3500						
4750			10.9	55.2	✓	✓
3490						
4750			8.8	57.3	✓	✓
3480						
4750			8.7	57.4	✓	✓
3470						
4760			6.7	59.4	✓	✓
3480						
4760			9.0	57.1	✓	✓
3490						
4760			9.7	56.4	✓	
3500						
4760			10.8	55.3	✓	
3510						
4760			11.3	54.8	✓	
3520						
4760			10.9	55.2	✓	
3530						
4760			11.3	54.8	✓	
3540						
4760			12.3	53.8	✓	
3540						
4770			12.2	53.9	✓	

566.14

3530					
4770					
3520	11.6	554.5	✓	✓	
4770	8.1	58.0	✓	✓	
3510					
4770	11.2	54.9	✓	✓	
3500					
4770	11.6	54.5	✓	✓	
3490					
4770	9.8	56.3	✓	✓	
3480					
4770	9.8	56.3	✓	✓	
3470					
4770	8.7	57.4	✓	✓	
3460					
4780	6.4	59.7	✓	✓	
3470					
4780	9.0	57.1	✓	✓	
3480					
4780	9.9	56.2	✓	✓	
3490					
4780	10.5	55.6	✓	✓	
3500					
4780	11.1	55.0	✓	✓	
3510					
4780	6.1	60.0	✓	✓	
3520					
4780	5.4	60.7	✓	✓	
3530					
4780	9.0	57.1	✓	✓	
3540					
4780	11.8	54.3	✓	✓	
3550					
4780	12.1	54.0	✓	✓	
3550					
4790	12.0	54.1	✓	✓	
3540					
4790	11.3	54.8	✓	✓	
3530					
4790	8.1	58.0	✓	✓	
3520					
4790	5.4	60.7	✓	✓	
3510					
4790	5.1	61.0	✓	✓	
3500					
4790	6.4	59.7	✓	✓	
3490					
4790	11.1	55.0	✓	✓	
3480					
4790	11.2	54.9	✓	✓	

566.14

3470					
4790					
3460					
4790	10.3	555.8	✓	✓	
3450					
4800	8.5	57.6	✓	✓	
3460					
4800	6.3	59.8	✓	✓	
3470					
4800	7.0	59.1	✓	✓	
3480					
4800	6.2	59.9	✓	✓	
3480					
4800	7.6	58.5	✓	✓	
3490					
4800	9.0	57.1	✓	✓	
3500					
4800	5.4	60.7	✓	✓	
3510					
4800	5.2	60.9	✓	✓	
3520					
4800	5.3	60.8	✓	✓	
3530					
4800	7.3	58.8	✓	✓	
3540					
4800	10.7	55.4	✓	✓	
3550					
4800	12.1	54.0	✓	✓	
3550					
4810	12.1	54.0	✓	✓	
3540					
4810	9.8	56.3	✓	✓	
3530					
4810	6.0	60.1	✓	✓	
3520					
4810	5.3	60.8	✓	✓	
3510					
4810	5.1	61.0	✓	✓	
3500					
4810	5.1	61.0	✓	✓	
3490					
4810	7.6	58.5	✓	✓	
3480					
4810	9.1	57.0	✓	✓	
3470					
4810	6.4	59.7	✓	✓	
3460					
4810	6.6	59.5	✓	✓	
3450					
4810	6.2	59.9	✓	✓	
3440					
4810	6.5	59.6	✓	✓	

566.14

3440					
4820	6.4	559.7	✓	✓	
3450					
4820	6.6	59.5	✓	✓	
3460					
4820	6.6	59.5	✓	✓	
3470					
4820	6.4	59.7	✓	✓	
3480					
4820	8.1	57.4	✓	✓	
3490					
4820	6.5	59.6	✓	✓	
3500					
4820	5.0	61.1	✓	✓	
3510					
4820	5.1	61.0	✓	✓	
3520					
4820	5.2	60.9	✓	✓	
3530					
4820	5.7	60.4	✓	✓	
3540					
4820	8.7	57.4	✓	✓	
3550					
4820	11.2	54.9	✓	✓	
3560					
4820	12.0	54.1	✓	✓	
3570					
4830	12.2	53.9	✓	✓	
3560					
4830	11.8	54.3	✓	✓	
3550					
4830	10.3	55.8	✓	✓	
3540					
4830	7.3	58.8	✓	✓	
3530					
4830	6.2	59.9	✓	✓	
3520					
4830	5.3	60.8	✓	✓	
3510					
4830	5.0	61.1	✓	✓	
3500					
4830	5.0	61.1	✓	✓	
3490					
4830	5.0	61.1	✓	✓	
3480					
4830	7.9	58.2	✓	✓	
3470					
4830	6.6	59.5	✓	✓	
3460					
4830	6.5	59.6	✓	✓	

566.14

3450					
4830	6.3	559.8	✓	✓	
3440					
4830	6.4	59.7	✓	✓	
3440					
4840	6.1	60.0	✓	✓	
3450					
4840	6.1	60.0	✓	✓	
3460					
4840	6.2	59.9	✓	✓	
3470					
4840	8.0	58.1	✓	✓	
3480					
4840	6.5	59.6	✓	✓	
3490					
4840	5.0	61.1	✓	✓	
3500					
4840	4.8	61.3	✓	✓	
3510					
4840	5.0	61.1	✓	✓	
3520					
4840	5.4	60.7	✓	✓	
3530					
4840	5.6	60.5	✓	✓	
3540					
4840	5.8	60.3	✓	✓	
3550					
4840	9.6	56.5	✓	✓	
3560					
4840	10.2	55.9	✓	✓	
3570					
4840	12.1	54.0	✓	✓	
3570					
4850	11.7	54.4	✓	✓	
3560					
4850	9.7	56.4	✓	✓	
3550					
4850	8.5	57.6	✓	✓	
3540					
4850	6.3	59.8	✓	✓	
3530					
4850	5.3	60.8	✓	✓	
3520					
4850	5.1	61.0	✓	✓	
3510					
4850	5.0	61.1	✓	✓	
3500					
4850	4.8	61.3	✓	✓	
3490					
4850	4.9	61.2	✓	✓	

566.14

3480				
4850	5.2	560.9	✓	✓
3470				
4850	9.0	57.1	✓	✓
3460				
4850	7.0	59.1	✓	✓
3450				
4850	6.0	60.1	✓	✓
3440				
4850	5.8	60.3	✓	✓
3440				
4860	8.2	57.9	✓	✓
3450				
4860	9.7	56.4	✓	✓
3460				
4860	9.2	56.9	✓	✓
3470				
4860	7.4	58.7	✓	✓
3480				
4860	5.0	61.1	✓	✓
3490				
4860	4.9	61.2	✓	✓
3500				
4860	4.9	61.2	✓	✓
3510				
4860	5.0	61.1	✓	✓
3520				
4860	5.0	61.1	✓	✓
3530				
4860	5.6	60.5	✓	✓
3540				
4860	6.3	59.8	✓	✓
3550				
4860	7.0	59.1	✓	✓
3560				
4860	9.2	56.9	✓	✓
3570				
4860	10.1	56.0	✓	✓
3580				
4860	12.3	53.8	✓	✓
3580				
4870	12.3	53.8	✓	✓
3570				
4870	10.6	55.5	✓	✓
3560				
4870	8.8	57.3	✓	✓
3550				
4870	7.0	59.1	✓	✓
3540				
4870	5.6	60.5	✓	✓

566.14

3530					
4870	5.4	60.7	✓	✓	
3520					
4870	4.9	61.2	✓	✓	
3510					
4870	5.0	61.1	✓	✓	
3500					
4870	4.9	61.2	✓	✓	
3490					
4870	4.8	61.3	✓	✓	
3480					
4870	5.0	61.1	✓	✓	
3470					
4870	7.2	58.9	✓	✓	
3460					
4870	8.7	57.4	✓	✓	
3450					
4870	10.0	56.1	✓	✓	
3440					
4870	8.6	57.5	✓	✓	
3430					
4870	3.9	62.2	✓	✓	
3430					
4880	6.0	60.1	✓	✓	
3440					
4880	8.8	57.3	✓	✓	
3450					
4880	9.7	56.9	✓	✓	
3460					
4880	8.5	57.6	✓	✓	
3470					
4880	5.7	60.4	✓	✓	
3480					
4880	5.0	61.1	✓	✓	
3490					
4880	4.8	61.3	✓	✓	
3500					
4880	5.0	61.1	✓	✓	
3510					
4880	5.0	61.1	✓	✓	
3520					
4880	5.1	61.0	✓	✓	
3530					
4880	5.4	60.7	✓	✓	
3540					
4880	5.7	60.4	✓	✓	
3550					
4880	6.4	59.7	✓	✓	
3560					
4880	8.1	58.0	✓	✓	

566.14

3570					
4880	9.2	56.9	✓	✓	
3580					
4880	7.7	58.4	✓	✓	
3590					
4880	12.3	53.8	✓	✓	
3590					
4890	12.2	53.9	✓	✓	
3580					
4890	10.7	55.4	✓	✓	
3570					
4890	8.6	57.5	✓	✓	
3560					
4890	8.5	57.6	✓	✓	
3550					
4890	6.3	59.8	✓	✓	
3540					
4890	5.5	60.6	✓	✓	
3530					
4890	5.3	60.8	✓	✓	
3520					
4890	4.9	61.2	✓	✓	
3510					
4890	4.9	61.2	✓	✓	
3500					
4890	5.0	61.1	✓	✓	
3490					
4890	4.9	61.2	✓	✓	
3480					
4890	5.0	61.1	✓	✓	
3470					
4890	5.3	60.8	✓	✓	
3460					
4890	7.9	58.2	✓	✓	
3450					
4890	9.0	57.1	✓	✓	
3440					
4890	9.9	56.2	✓	✓	
3430					
4890	6.1	60.0	✓	✓	

Contd. in Book #334.

Mar. 9th 10:00 A.M.Page 44-31 checked and
plotted by G.W.G.

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder
stake for any width roadway, slope 1% to 1.
If ground is nearly level, the cut or fill at side
stake is located by the double entry method in
left column and top row. The number in both

of table in same row and column gives distance

from side stake to slope stake.

the side stake and slope stake or tangent by the

amount if cut, always add this amount

to cut or fill and find distance in table.

rod at

target.

necessary.

IMPROVED TABLES
AND
INFORMATION

TABLE No. 2.

To find Tangent and External for curve of
any other degree, divide by degree of curve and
add correction found in column of correction.

Degree of curve with a given T may be found
by dividing tangent (or external), opposite T by
given tangent (or external).

The distance from a point on the tangent to
the curve is very nearly the square of the tangent
length divided by twice the radius.

