

W341

341

MICROFILMED

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.

Mar. 21 to Mar. 24, 1932.

Converse

Simpson

Louden

Bailey

Contd. from Book #339.

	597.07	(see Book #339)		
3370				
5690		15.9	581.2	✓ ✓
360				
640		14.6	582.5	✓ ✓
350				
640		13.8	583.3	✓ ✓
340				
640		11.8	85.3	✓ ✓
330				
640		9.8	87.3	✓ ✓
320				
640		8.8	88.3	✓ ✓
310				
640		7.7	89.4	✓ ✓
300				
640		7.0	90.1	✓ ✓
290				
640		6.2	90.9	✓ ✓
280				
640		5.3	91.8	✓ ✓
270				
640		3.9	93.2	✓ ✓
260				
640		3.2	93.9	✓ ✓
250				
640		1.9	95.2	✓ ✓
250				
650		2.9	94.2	✓ ✓
260				
650		4.3	92.8	✓ ✓
270				
650		5.6	91.5 92.5	✓ ✓
280				
650		7.0	90.1	✓ ✓
290				
650		8.8	88.3	✓ ✓
300				
650		8.8	88.3	✓ ✓
310				
650		9.7	87.4	✓ ✓
320				
650		10.6	86.5	✓ ✓
330				
650		12.0	85.1	✓ ✓
340	3.51	592.32	8.26	588.81 ✓ ✓
650			8.8	83.5 ✓ ✓
350				
650			10.0	82.3 ✓ ✓

✓ (MOL)

3/21/32. Simpson
Louden
Bailey

592.32

3360					
5650	10.4	581.9	✓	✓	
370					
650	10.8	81.5	✓	✓	
380					
650	11.6	80.7	✓	✓	
390					
650	12.3	80.0	✓	✓	
380					
660	11.8	80.5	✓	✓	
370					
660	11.0	81.3	✓	✓	
360					
660	10.3	82.0	✓	✓	
350					
660	9.6	82.7	✓	✓	
340					
660	9.2	83.1	✓	✓	
330					
660	8.5	83.8	✓	✓	
320					
660	7.2	85.1	✓	✓	
310					
660	6.5	85.8	✓	✓	
300					
660	5.7	86.6	✓	✓	
290					
660	5.2	87.1	✓	✓	
280					
660	4.2	88.1	✓	✓	
270					
660	2.9	89.4	✓	✓	
260					
660	1.3	91.0	✓	✓	
250					
660	+0.1	92.4	✓	✓	
250					
670	2.8	89.5	✓	✓	
260					
670	3.7	88.6	✓	✓	
270					
670	4.6	87.7	✓	✓	
280					
670	5.2	87.1	✓	✓	
290					
670	5.4	86.9	✓	✓	
300					
670	6.3	86.0	✓	✓	
310					
670	7.0	85.3	✓	✓	

r (100)

	592.32				
3320					
5670		7.7	584.6	✓	✓
330					
670		8.5	83.8	✓	✓
340					
670		9.0	83.3	✓	✓
350					
670		9.5	82.8	✓	✓
360					
670		10.2	82.1	✓	✓
370					
670		11.2	81.1	✓	✓
380					
670		12.1	80.2	✓	✓
380					
680		12.2	80.1	✓	✓
370					
680		11.4	80.9	✓	✓
360					
680		10.1	82.2	✓	✓
350					
680		9.4	82.9	✓	✓
340					
680		8.7	83.6	✓	✓
330					
680		8.1	84.2	✓	✓
320					
680		7.8	84.5	✓	✓
310					
680		7.7	84.6	✓	✓
300					
680		7.4	84.9	✓	✓
290					
680		6.1	86.2	✓	✓
280					
680		6.4	85.9	✓	✓
270					
680		5.3	87.0	✓	✓
260					
680		4.8	87.5	✓	✓
250					
680		3.4	88.9	✓	✓
250					
690		5.5	86.8	✓	✓
260					
690		5.3	87.0	✓	✓
270					
690		5.6	86.7	✓	✓
280					
690		6.0	86.3	✓	✓

✓ (9100)

3290	592.32				
5690		6.6	585.7	✓	✓
300					
690		8.6	83.7	✓	✓
310					
690		10.0	82.3	✓	✓
320					
690		9.6	82.7	✓	✓
330					
690		8.3	84.0	✓	✓
340					
690		8.9	83.4	✓	✓
350					
690		9.6	82.7	✓	✓
360					
690		10.2	82.1	✓	✓
370					
690		11.3	81.0	✓	✓
370					
700		12.1	80.2	✓	✓
360					
700		10.3	82.0	✓	✓
350					
700		9.9	82.4	✓	✓
340					
700		11.4	80.9	✓	✓
330					
700		10.9	81.4	✓	✓
320					
700		9.3	83.0	✓	✓
310					
700		7.8	84.5	✓	✓
300					
700		6.5	85.8	✓	✓
290					
700		5.1	87.2	✓	✓
280					
700		4.2	88.1	✓	✓
270					
700		2.5	89.8	✓	✓
260					
700		1.0	91.3	✓	✓
250					
700		+0.2	92.5	✓	✓
270					
710		0.2	92.1	✓	✓
280					
710		2.4	89.9	✓	✓
290					
710		3.5	88.8	✓	✓

r (1130)

←

←

	592.32			
3300				
5710		4.9	587.4	✓ ✓
310				
710		6.2	86.1	✓ ✓
320				
710		7.0	85.3	✓ ✓
330				
710		8.7	83.6	✓ ✓
340				
710		10.2	82.1	✓ ✓
350				
710		12.5	79.8	✓ ✓
360				
710		11.7	80.6	✓ ✓
370				
710		11.8	80.5	✓ ✓
370				
720		13.0	79.3	✓ ✓
360				
720		11.9	80.4	✓ ✓
350				
720		11.4	80.9	✓ ✓
340				
720		8.7	83.6	✓ ✓
330				
720		7.2	85.1	✓ ✓
320				
720		5.9	86.4	✓ ✓
310				
720		4.6	87.7	✓ ✓
300				
720		3.5	88.8	✓ ✓
290				
720		2.2	90.1	✓ ✓
280				
720		0.7	91.6	✓ ✓
280				
730		10.5	92.8	✓ ✓
290				
730		1.1	91.2	✓ ✓
300				
730		2.5	89.8	✓ ✓
310				
730		3.9	88.4	✓ ✓
320				
730		5.3	87.0	✓ ✓
330				
730		6.2	86.1	✓ ✓
340				
730		7.7	84.6	✓ ✓

✓ (710)

592.32

3350					
5730	11.3	581.0	✓	✓	
360					
730	12.0	80.3	✓	✓	
360					
740	11.7	80.6	✓	✓	
350					
740	11.3	81.0	✓	✓	
340					
740	7.3	85.0	✓	✓	
330					
740	6.2	86.1	✓	✓	
320					
740	4.8	87.5	✓	✓	
310					
740	3.4	88.9	✓	✓	
300					
740	2.0	90.3	✓	✓	
290					
740	0.2	92.1	✓	✓	
300					
750	1.4	90.9	✓	✓	
310					
750	3.7	88.6	✓	✓	
320					
750	4.9	87.4	✓	✓	
330					
750	6.2	86.1	✓	✓	
340					
750	7.7	84.6	✓	✓	
350					
750	11.7	80.6	✓	✓	
360					
750	11.4	80.9	✓	✓	
360					
760	10.6	81.7	✓	✓	
350					
760	11.8	80.5	✓	✓	
340					
760	9.3	83.0	✓	✓	
330					
760	6.6	85.7	✓	✓	
320					
760	5.2	87.1	✓	✓	
310					
760	3.9	88.4	✓	✓	
300					
760	2.4	89.9	✓	✓	
290					
770	1.0	91.3	✓	✓	

i (msd)

592.32

3300					
5770	2.8	589.5	✓	✓	
310					
770	4.4	879	✓	✓	
320					
770	5.4	86.9	✓	✓	
330					
770	7.1	85.2	✓	✓	
340					
770	8.8	83.5	✓	✓	
350					
770	11.7	80.6	✓	✓	
360					
770	12.2	80.1	✓	✓	
350					
780	11.1	81.2	✓	✓	
340					
780	11.4	80.9	✓	✓	
330					
780	7.3	85.0	✓	✓	
320					
780	5.9	86.4	✓	✓	
310					
780	4.6	87.7	✓	✓	
300					
780	3.2	89.1	✓	✓	
290					
780	1.3	91.0	✓	✓	
290					
790	1.5	90.8	✓	✓	
300					
790	4.0	88.3	✓	✓	
310					
790	5.3	87.0	✓	✓	
320					
790	6.9	85.4	✓	✓	
330					
790	8.3	84.0	✓	✓	
330					
800	10.5	81.8	✓	✓	
320					
800	7.8	84.5	✓	✓	
310					
800	6.2	86.1	✓	✓	
300					
800	4.9	87.4	✓	✓	
290					
800	2.7	89.6	✓	✓	
280					
800	0.6	91.7	✓	✓	

✓ 7100

	592.32			
3280				
5810				
290	1.0	591.3	✓	✓
810	3.7	88.6	✓	✓
300				
810	5.7	86.6	✓	✓
310				
810	7.4	84.9	✓	✓
320				
810	8.6	83.7	✓	✓
320				
820	10.0	82.3	✓	✓
310				
820	8.0	84.3	✓	✓
300				
820	6.3	86.0	✓	✓
290				
820	4.5	87.8	✓	✓
280				
820	2.4	89.9	✓	✓
170				
830	0.6	91.7	✓	✓
180				
830	3.0	89.3	✓	✓
290				
830	5.7	86.6	✓	✓
300				
830	6.8	85.5	✓	✓
310				
830	8.4	83.9	✓	✓
320				
830	11.5	80.8	✓	✓
310				
840	9.7	82.6	✓	✓
300				
840	7.9	84.4	✓	✓
290				
840	5.9	86.4	✓	✓
280				
840	4.2	88.1	✓	✓
170				
840	1.9	90.4	✓	✓
270				
850	2.2	90.1	✓	✓
280				
850	4.5	87.8	✓	✓
290				
850	6.6	85.7	✓	✓
300				
850	9.1	83.2	✓	✓

✓ (MSD)

3310						
5850		592.32		10.7	581.6	✓ ✓
300						
860				9.4	82.9	✓ ✓
290						
860				7.5	84.8	✓ ✓
280						
860				5.2	87.1	✓ ✓
270						
860				3.2	89.1	✓ ✓
270						
870				4.0	88.3	✓ ✓
280						
870				6.8	85.5	✓ ✓
290						
870				9.2	83.1	✓ ✓
300						
870				11.0	81.3	✓ ✓
290						
880				10.0	82.3	✓ ✓
280						
880				8.0	84.3	✓ ✓
270						
880				5.3	87.0	✓ ✓
270						
890				6.4	85.9	✓ ✓
280						
890				9.1	83.2	✓ ✓
290						
890				11.3	81.0	✓ ✓
280						
900				10.5	81.8	✓ ✓
270						
900				6.5	85.8	✓ ✓
T.P.	12.98	605.21	0.09	592.23		
270						
800				10.9	94.3	✓ ✓
270						
810				11.6	93.6	✓ ✓
270						
790				10.7	94.5	✓ ✓
270						
780				10.5	94.7	✓ ✓
280						
780				12.6	92.6	✓ ✓
280						
770				11.7	93.5	✓ ✓
270						
770				9.8	95.4	✓ ✓

✓ (M)

605.21

2260					
5770	7.8	597.4	✓	✓	
250					
760	6.7	98.5	✓	✓	
260					
760	8.3	96.9	✓	✓	
270					
760	9.8	95.4	✓	✓	
280					
760	10.6	94.6	✓	✓	
290					
750	12.5	92.7	✓	✓	
280					
750	11.3	93.9	✓	✓	
270					
750	9.7	95.5	✓	✓	
260					
750	8.5	96.7	✓	✓	
250					
750	7.1	98.1	✓	✓	
250					
740	7.7	97.5	✓	✓	
260					
740	9.1	96.1	✓	✓	
270					
740	10.4	94.8	✓	✓	
280					
740	11.7	93.5	✓	✓	
290					
740	13.1	92.1	✓	✓	
280					
730	12.6	92.6	✓	✓	
270					
730	11.0	94.2	✓	✓	
260					
730	9.7	95.5	✓	✓	
250					
730	7.7	97.5	✓	✓	
250					
720	8.8	96.4	✓	✓	
260					
720	10.5	94.7	✓	✓	
270					
720	12.0	93.2	✓	✓	
270					
710	13.6	91.6	✓	✓	
260					
710	11.7	93.5	✓	✓	
250					
710	9.4	95.8	✓	✓	

✓ (710)

605.21

3250				
5700				
260	12.8	592.7	✓	✓
700	13.9	91.3	✓	✓
250	7.6	97.6	✓	✓
620				
250	3.3	601.9	✓	✓
610				
260	5.7	599.5	✓	✓
610				
270	6.3	98.9	✓	✓
610				
280	8.3	96.9	✓	✓
610				
290	8.7	96.5	✓	✓
610				
300	9.3	95.9	✓	✓
610				
310	9.7	95.5	✓	✓
610				
320	7.2	98.0	✓	✓
600				
310	6.1	99.1	✓	✓
600				
300	5.9	99.3	✓	✓
600				
290	5.5	99.7	✓	✓
600				
280	5.3	99.9	✓	✓
600				
270	3.0	602.2	✓	✓
600				
260	2.2	03.0	✓	✓
600				
250	0.3	04.9	✓	✓
600				
280	0.9	04.3	✓	✓
590				
290	2.3	02.9	✓	✓
590				
300	2.6	02.6	✓	✓
590				
310	2.9	02.3	✓	✓
590				
320	3.7	01.5	✓	✓
590				
330	4.4	00.8	✓	✓
590				
340	6.9	598.3	✓	✓
590				

✓ (MBA)

3360		605.21			
5580			7.9	597.3	✓ ✓
580			4.6	600.6	✓ ✓
340					
580			3.0	02.2	✓ ✓
330					
580			0.7	04.5	✓ ✓
320					
580			0.5	04.7	✓ ✓
T.P.	4.67	609.83	0.05	605.16	
310					
580			4.3	05.5	✓ ✓
300					
580			3.5	06.3	✓ ✓
290					
580			2.5	07.3	✓ ✓
280					
580			1.6	08.2	✓ ✓
270					
590			4.0	05.8	✓ ✓
260					
590			3.5	06.3	✓ ✓
250					
590			1.4	08.4	✓ ✓
300					
570			10.5	10.3	✓ ✓
310					
570			1.2	08.6	✓ ✓
320					
570			1.2	08.6	✓ ✓
330					
570			2.3	07.5	✓ ✓
340					
570			4.2	05.6	✓ ✓
350					
570			5.0	04.8	✓ ✓
360					
570			9.4	600.4	✓ ✓
370					
570			12.8	597.0	✓ ✓
380					
570			16.0	93.8	✓ ✓
390					
560			15.7	94.1	✓ ✓
380					
560			12.2	97.6	✓ ✓
370					
560			8.8	601.0	✓ ✓

✓ (180)

609.83

3360					
5560			5.8	604.0 ^v	✓
350					✓
560			2.4	07.4 ^v	✓
340					✓
560			0.6	09.2 ^v	✓
360					✓
550			3.1	06.7 ^v	✓
370					✓
550			6.7	03.1 ^v	✓
380					✓
550			10.0	99.8 ^v	✓
390					✓
550			13.4	96.4 ^v	✓
400					✓
540			15.3	94.5 ^v	✓
390					✓
540			10.3	99.5 ^v	✓
380					✓
540			8.0	01.8 ^v	✓
370					✓
540			4.1	05.7 ^v	✓
360					✓
540			0.8	09.0 ^v	✓
370					✓
530			1.9	07.9 ^v	✓
380					✓
530			5.4	04.4 ^v	✓
390					✓
530			9.5	00.3 ^v	✓
380					✓
520			3.1	06.7 ^v	✓
T.P.	11.57	621.24	0.16	609.67	
370					✓
470			4.5	16.7 ^v	✓
360					✓
470			2.2	19.0 ^v	✓
360					✓
480			1.3	19.9 ^v	✓
370					✓
480			4.3	16.9 ^v	✓
370					✓
490			4.4	16.8 ^v	✓
360					✓
490			1.0	20.2 ^v	✓
360					✓
500			2.7	18.5 ^v	✓
370					✓
500			6.0	15.2 ^v	✓

✓ (MB)

3380		621.24			
5500			11.8	09.4 ^v	✓ ✓
380			11.1	10.1 ^v	✓ ✓
510			8.0	13.2 ^v	✓ ✓
370			4.9	16.3 ^v	✓ ✓
510			0.5	20.7 ^v	✓ ✓
350			2.2	19.0 ^v	✓ ✓
520			8.0	13.2 ^v	✓ ✓
360			11.0	10.2 ^v	✓ ✓
520			10.3	10.9 ^v	✓ ✓
360			5.7	15.5 ^v	✓ ✓
530			2.0	19.2 ^v	✓ ✓
340					
530					
T.P.	3.84	624.16	0.92	620.32	
330			5.2	19.0 ^v	✓ ✓
530			0.0	24.2 ^v	✓ ✓
320					
530					
280			0.0	24.2 ^v	✓ ✓
540			0.4	23.8 ^v	✓ ✓
290			1.3	22.9 ^v	✓ ✓
540			2.6	21.6 ^v	✓ ✓
300			4.0	20.2 ^v	✓ ✓
540			6.4	17.8 ^v	✓ ✓
310			7.2	17.0 ^v	✓ ✓
540			10.6	13.6 ^v	✓ ✓
320			13.3	10.9 ^v	✓ ✓
540			12.1	12.1 ^v	✓ ✓
330					
540					
340					
550					
340					
550					

✓ (100)

624.16

3330					
5550		10.0	614.2	✓	✓
320					
550		7.5	16.7	✓	✓
310					
550		6.0	18.2	✓	✓
300					
550		5.0	19.2	✓	✓
290					
550		5.0	19.2	✓	✓
280					
550		3.8	20.4	✓	✓
270					
550		2.0	22.2	✓	✓
260					
550		0.4	23.8	✓	✓
250					
560		1.2	23.0	✓	✓
260					
560		3.4	20.8	✓	✓
270					
560		5.4	18.8	✓	✓
280					
560		8.0	16.2	✓	✓
290					
560		9.0	15.2	✓	✓
300					
560		9.3	14.9	✓	✓
310					
560		10.5	13.7	✓	✓
320					
560		12.2	12.0	✓	✓
330					
560		13.1	11.1	✓	✓
290					
570		13.1	11.1	✓	✓
280					
570		12.1	12.1	✓	✓
270					
570		9.4	14.8	✓	✓
260					
570		7.4	16.8	✓	✓
250					
570		5.5	18.7	✓	✓
250					
580		10.0	14.2	✓	✓
260					
580		10.8	13.4	✓	✓
270					
580		14.1	10.1	✓	✓

624.16

T.P	12.44	636.46	0.14	624.02		
3250					9.5	27.0 ✓ ✓
5550						
250					6.6	29.9 ✓ ✓
540						
260					9.1	27.4 ✓ ✓
540						
270					11.0	25.5 ✓ ✓
540						
250					3.2	33.3 ✓ ✓
530						
260					5.8	30.7 ✓ ✓
530						
270					7.3	29.2 ✓ ✓
530						
280					8.1	28.6 ✓ ✓
530						
290					8.2	28.3 ✓ ✓
530						
300					8.0	28.5 ✓ ✓
530						
310					8.3	28.2 ✓ ✓
530						
340					13.9	22.6 ✓ ✓
570						
330					10.0	26.5 ✓ ✓
520						
320					8.9	27.6 ✓ ✓
520						
310					7.1	29.6 ✓ ✓
520						
300					4.2	32.3 ✓ ✓
520						
290					4.8	31.7 ✓ ✓
520						
280					4.3	32.2 ✓ ✓
520						
270					3.7	32.8 ✓ ✓
520						
260					2.5	34.0 ✓ ✓
520						
250					0.6	35.9 ✓ ✓
520						
270					0.8	35.7 ✓ ✓
510						
280					1.1	35.4 ✓ ✓
510						
290					2.2	34.3 ✓ ✓
510						

✓ (MSD)

		636.46			
3300					
5510		2.6	633.9	✓	✓
310					
510		3.2	33.3	✓	✓
320					
510		6.3	30.7	✓	✓
330					
510		7.6	28.9	✓	✓
340					
510		11.8	24.7	✓	✓
350					
500		12.9	23.6	✓	✓
340					
500		8.5	28.0	✓	✓
330					
500		6.0	30.5	✓	✓
320					
500		4.2	32.3	✓	✓
310					
500		2.7	33.8	✓	✓
300					
500		0.9	35.6	✓	✓
310					
490		0.5	36.0	✓	✓
320					
490		2.1	34.4	✓	✓
330					
490		4.5	32.0	✓	✓
340					
490		7.0	29.5	✓	✓
350					
490		12.1	24.4	✓	✓
350					
480		11.1	25.4	✓	✓
340					
480		5.5	31.0	✓	✓
330					
480		2.8	33.7	✓	✓
T.P.	11.98	648.37	0.07	636.39	
250					
516		9.1	39.3	✓	✓
260					
510		10.3	38.1	✓	✓
290					
500		10.3	38.1	✓	✓
280					
500		8.6	39.8	✓	✓
270					
500		8.5	39.9	✓	✓

✓ (1130)

3260	648.37	7.4	641.0	✓	✓
5500					
250		6.0	42.6	✓	✓
500					
250		2.4	46.0	✓	✓
490					
260		4.7	43.7	✓	✓
490					
270		5.4	43.0	✓	✓
490					
280		6.6	41.8	✓	✓
490					
290		8.2	40.2	✓	✓
490					
300		9.7	38.7	✓	✓
490					
320		11.6	36.8	✓	✓
480					
310		9.1	39.3	✓	✓
480					
300		7.6	40.8	✓	✓
480					
290		5.4	43.0	✓	✓
480					
280		4.3	44.1	✓	✓
480					
270		3.2	45.2	✓	✓
480					
260		1.8	46.6	✓	✓
480					
250		0.0	48.4	✓	✓
480					
270		0.7	47.7	✓	✓
470					
280		1.8	46.6	✓	✓
470					
290		3.4	45.0	✓	✓
470					
300		6.2	42.2	✓	✓
470					
310		8.0	40.4	✓	✓
470					
320		10.8	37.6	✓	✓
470					
330		14.3	34.1	✓	✓
470					
340		16.8	31.6	✓	✓
470					
350		20.7	27.7	✓	✓
470					

✓ (MS)

3350		648.37			
5460			21.7	626.7	✓ ✓
340					
460			16.6	31.8	✓ ✓
330					
460			13.0	35.4	✓ ✓
320					
460			9.3	39.1	✓ ✓
310					
460			6.5	41.9	✓ ✓
300					
460			3.7	44.7	✓ ✓
290					
460			1.2	47.2	✓ ✓
280					
460			+0.2	48.6	✓ ✓
300					
450			2.7	45.7	✓ ✓
310					
450			4.0	44.4	✓ ✓
320					
450			8.3	40.1	✓ ✓
330					
450			13.2	35.2	✓ ✓
330					
440			13.6	34.8	✓ ✓
320					
440			8.5	39.9	✓ ✓
310					
440			2.0	46.4	✓ ✓
300					
440			2.0	46.4	✓ ✓
T.P.	12.52	660.16	0.73	647.64	
250					
470			9.8	50.4	✓ ✓
260					
470			11.4	48.8	✓ ✓
270					
460			10.7	49.5	✓ ✓
260					
460			9.5	50.7	✓ ✓
250					
460			7.2	53.0	✓ ✓
250					
450			5.4	54.8	✓ ✓
260					
450			7.8	52.4	✓ ✓
270					
450			9.4	50.8	✓ ✓

91130

660.16

3280				
5450	11.0	649.2	✓	✓
290				
5450	11.3	48.9	✓	✓
290				
440	11.1	49.1	✓	✓
280				
440	9.5	50.7	✓	✓
270				
440	7.9	52.3	✓	✓
260				
440	6.1	54.1	✓	✓
250				
440	4.2	56.0	✓	✓
250				
430	1.4	58.8	✓	✓
260				
430	5.0	55.2	✓	✓
270				
430	7.2	53.0	✓	✓
280				
430	9.1	51.1	✓	✓
290				
430	11.2	49.0	✓	✓
300				
430	13.6	46.6	✓	✓
310				
430	16.0	44.2	✓	✓
320				
430	17.5	42.7	✓	✓
330				
430	interpolate		✓	✓
270				
420	6.9	53.3	✓	✓
260				
420	4.0	56.2	✓	✓
250				
420	+0.7	60.9	✓	✓
250				
410	+1.4	61.6	✓	✓
250				
400	+1.0	61.2	✓	✓
250				
390	+2.6	62.8	✓	✓
260				
410	2.6	57.6	✓	✓
	9.08	651.08	check	

✓ (MS)

N 3280
on Hub F 5420 El. 651.03

End Mar. 21, 1932

March 22, 1932
 Simpson - Notes
 Louden - Rod
 Bailey - Level

21

clear and warm

	2.05	632.74	630.69	on Hub	
3290					
4550		5.0	627.7	✓	✓
300		11.0	21.7	✓	✓
550					
300		11.1	21.6	✓	✓
540					
290		5.0	27.7	✓	✓
540					
290		6.9	25.8	✓	✓
530					
300		11.2	21.5	✓	✓
530					
310		14.6	18.1	✓	✓
520					
300		10.6	22.1	✓	✓
520					
290		4.9	27.8	✓	✓
520					
290		4.6	28.1	✓	✓
510					
300		10.1	22.6	✓	✓
510					
310		14.7	18.0	✓	✓
510					
310		14.8	17.9	✓	✓
500					
300		9.2	23.5	✓	✓
500					
290		3.8	28.9	✓	✓
500					
290		4.5	28.2	✓	✓
490					
300		10.6	22.1	✓	✓
490					
310		15.4	17.3	✓	✓
490					
310		14.4	18.3	✓	✓
480					
300		9.3	23.4	✓	✓
480					
290		4.0	28.7	✓	✓
480					
290		4.0	28.7	✓	✓
470					
300		10.1	22.6	✓	✓
470					
310		13.8	18.9	✓	✓
470					

✓ (118)

632.74

3310					
4460	13.2	619.5	✓	✓	
300					
460	9.8	22.9	✓	✓	
290					
460	4.9	27.8	✓	✓	
290					
450	3.8	28.9	✓	✓	
300					
450	7.7	25.0	✓	✓	
310					
450	14.4	18.3	✓	✓	
310					
440	12.7	20.0	✓	✓	
300					
440	8.2	24.5	✓	✓	
290					
440	3.2	29.5	✓	✓	
290					
430	3.0	29.7	✓	✓	
300					
430	8.4	24.3	✓	✓	
310					
430	13.0	19.7	✓	✓	
310					
420	13.1	19.6	✓	✓	
300					
420	10.0	22.7	✓	✓	
290					
420	3.8	28.9	✓	✓	
290					
410	3.8	28.9	✓	✓	
300					
410	8.7	24.0 25.0	✓	✓	
310					
410	11.8	20.9	✓	✓	
310					
400	13.6	19.1	✓	✓	
300					
400	7.5	25.2	✓	✓	
290					
400	4.4	28.3	✓	✓	
290					
390	5.3	27.4	✓	✓	
300					
390	9.2	23.5	✓	✓	
310					
390	14.0	18.7	✓	✓	
310					
380	14.2	18.5	✓	✓	

✓ (M31)

3300		632.74				
4380			9.1	623.6	✓	✓
360				23.8		
370			8.9	23.3	✓	✓
310						
370			13.0	19.7	✓	✓
310						
360			13.8	18.9	✓	✓
T.P.	1.91	621.72	12.93	619.81		
320						
330			7.8	13.9	✓	✓
330						
340			10.8	10.9	✓	✓
330						
340			14.3	07.4	✓	✓
340						
340			14.0	07.7	✓	✓
330						
340			9.2	12.5	✓	✓
320						
340			6.6	15.1	✓	✓
320						
350			6.5	15.2	✓	✓
330						
350			9.7	12.0	✓	✓
340						
350			13.1	08.6	✓	✓
340						
360			14.7	07.0	✓	✓
330						
360			10.3	11.4	✓	✓
320						
360			7.5	14.2	✓	✓
320						
370			7.6	14.1	✓	✓
330						
370			11.8	09.9	✓	✓
340						
370			16.0	05.7	✓	✓
330						
380			12.0	09.7	✓	✓
320						
380			7.5	14.2	✓	✓
320						
390			6.2	15.5	✓	✓
330						
390			11.7	10.0	✓	✓
340						
400			13.6	08.1	✓	✓

✓ 0182

	621.72				
330					
4400		10.3	611.4	✓	✓
320		7.1	14.6	✓	✓
400					
320		7.0	14.7	✓	✓
410					
330		9.6	12.1	✓	✓
410					
340		13.9	07.8	✓	✓
410					
340		14.7	07.0	✓	✓
420					
330		9.8	11.9	✓	✓
420					
320		6.7	15.0	✓	✓
420					
320		7.0	14.7	✓	✓
430					
330		12.2	09.5	✓	✓
430					
330		12.5	09.2	✓	✓
440					
320		8.8	12.9	✓	✓
440					
320		8.0	13.7	✓	✓
450					
330		12.6	09.1	✓	✓
450					
330		11.8	09.9	✓	✓
460					
320		7.6	14.1	✓	✓
460					
320		8.0	13.7	✓	✓
470					
330		12.4	09.3	✓	✓
470					
330		13.0	08.7	✓	✓
480					
320		8.2	13.5	✓	✓
480					
320		8.1	13.6	✓	✓
490					
330		12.4	09.3	✓	✓
490					
330		12.0	09.7	✓	✓
500					
320		8.9	12.8	✓	✓
500					
320		8.2	13.5	✓	✓
510					

✓ *msd*

3330		621.72			
4510			12.4	609.3	✓ ✓
320					
520			8.5	13.2	✓ ✓
320					
530			9.5	12.2	✓ ✓
310					
530			5.1	16.6	✓ ✓
310					
540			5.2	16.5	✓ ✓
320					
540			9.8	11.9	✓ ✓
320					
550			9.7	12.0	✓ ✓
310					
550			3.7	18.0	✓ ✓

T.P.	0.70	609.67	12.75	608.97	
340					
510			4.0	05.7	✓ ✓
350					
510			8.3	01.4	✓ ✓
350					
500			8.8	00.9	✓ ✓
340					
500			4.1	05.6	✓ ✓
340					
490			5.0	04.7	✓ ✓
350					
490			8.3	01.4	✓ ✓
350					
480			9.4	00.3	✓ ✓
340					
480			4.8	04.9	✓ ✓
340					
470			3.5	06.2	✓ ✓
350					
470			8.5	01.2	✓ ✓
360					
470			12.8	96.9	✓ ✓

11.93 609.64 11.93 597.74 = check on B.M. # 5-2 El. 597.71
597.71

360					
460					
350			12.7	96.9	✓ ✓
460			8.1	01.5	✓ ✓
340					
460			3.5	06.1	✓ ✓

✓ (100)

3340					
4450	609.64	3.6	606.0	✓	✓
350		8.0	01.6	✓	✓
450					
360		13.1	96.5	✓	✓
450					
360		12.4	97.2	✓	✓
440					
350		8.0	01.6	✓	✓
440		4.6	05.0	✓	✓
340					
440		3.1	06.5	✓	✓
340					
430		8.0	01.6	✓	✓
350					
430		12.5	97.1	✓	✓
360					
430		12.3	97.3	✓	✓
360					
420		7.3	02.3	✓	✓
350					
420		7.6	02.0	✓	✓
350					
410		9.8	99.8	✓	✓
360					
410		12.2	97.4	✓	✓
360					
400		6.5	03.1	✓	✓
350					
400		3.9	05.7	✓	✓
340					
390		8.9	00.7	✓	✓
350					
390		13.1	96.5	✓	✓
360					
380		13.3	96.3	✓	✓
350					
380		8.3	01.3	✓	✓
340					
380		4.2	05.4	✓	✓
350					
370		7.4	02.2	✓	✓
360					
370		12.3	97.3	✓	✓
370					
360		15.0	94.6	✓	✓
3360					
4360		10.9	98.7	✓	✓

MSB

	609.64					
3350						
4360		5.8	603.8	✓	✓	
350						
350		5.8	603.8	✓	✓	
360						
350		9.3	600.3	✓	✓	
370						
350		13.3	596.3	✓	✓	
370						
340		13.0	596.6	✓	✓	
360						
340		8.7	600.9	✓	✓	
350						
340		5.4	604.2	✓	✓	
350						
4330		4.0	605.6	✓	✓	
T.P	5.04	608.32	6.36	603.28		
3360						
4330			interpolate	✓	✓	
3330						
4320		10.8	609.1	✓	✓	
3340						
4320		2.0	606.3	✓	✓	
350						
320		5.8	602.5	✓	✓	
360						
320		7.8	600.5	✓	✓	
370						
320		13.4	594.9	✓	✓	
370						
310		14.6	593.7	✓	✓	
360						
310		10.8	597.5	✓	✓	
350						
310		6.8	601.5	✓	✓	
340						
310		3.7	604.6	✓	✓	
3340						
4300		5.4	602.9	✓	✓	
350						
300		9.4	598.9	✓	✓	
360						
300		11.9	596.4	✓	✓	
3370						
4300		15.2	593.1	✓	✓	
370						
290		16.1	592.2	✓	✓	
360						
290		13.0	595.3	✓	✓	

✓ 11.20

608.32

3350					
4290		10.2	698.1 ^v	x	✓
340					
290		7.1	01.2 ^v	x	✓
350					
280		10.0	98.3 ^v	x	✓
360					
280		13.3	95.0 ^v	✓	✓
360					
270		11.6	96.7 ^v	✓	✓
350					
270		9.3	99.0 ^v	✓	✓
3370					
4270		15.1	93.2 ^v	✓	✓
350					
260		8.3	600.0 ^v	✓	✓
360					
260		9.8	98.5 ^v	✓	✓
370					
260		14.5	93.8 ^v	✓	✓
370					
250		14.4	93.9 ^v	✓	✓
360					
250		11.1	97.2 ^v	✓	✓
350					
250		8.5	99.8 ^v	✓	✓
350					
240		8.6	99.7 ^v	✓	✓
360					
240		11.0	97.3 ^v	✓	✓
370					
240		14.7	93.6 ^v	✓	✓
370					
230		14.9	93.4 ^v	✓	✓
360					
230		11.6	96.7 ^v	✓	✓
370					
220		15.8	92.5 ^v	✓	✓
T.P.	0.56	595.90	12.98	595.34	
380					
210		7.4	88.5 ^v	✓	✓
390					
210		11.1	84.8 ^v	✓	✓
400					
210		14.6	81.3 ^v	✓	✓
400					
200		14.8	81.1 ^v	✓	✓
390					
200		11.0	84.9 ^v	✓	✓



	595.90			
3400				
4190		14.6	581.3	✓ ✓
400				
220		13.1	82.8	✓ ✓
390				
220		10.9	85.0	✓ ✓
380				
220		8.0	87.9	✓ ✓
380				
230		7.8	88.1	✓ ✓
390				
230		11.4	84.5	✓ ✓
400				
240		13.5	82.4	✓ ✓
390				
240		10.2	85.7	✓ ✓
380				
240		6.0	89.9	✓ ✓
380				
250		4.5	91.4	✓ ✓
390				
250		10.0	85.9	✓ ✓
400				
250		12.5	83.4	✓ ✓
410				
260		13.9	82.0	✓ ✓
400				
260		11.6	84.3	✓ ✓
390				
260		9.0	86.9	✓ ✓
380				
260		5.0	90.9	✓ ✓
380				
270		6.5	89.4	✓ ✓
390				
270		9.2	86.7	✓ ✓
400				
270		11.6	84.3	✓ ✓
400				
280		12.2	83.7	✓ ✓
390				
280		9.1	86.8	✓ ✓
380				
280		6.3	89.6	✓ ✓
370				
280		3.8	92.1	✓ ✓
380				
290		7.3	88.6	✓ ✓
390				
290		10.0	85.9	✓ ✓

- (100) -

3400		595.90			
4290			12.3	583.6	✓ ✓
400					
300			12.8	83.1	✓ ✓
390					
300			9.8	86.1	✓ ✓
380					
300			6.5	89.4	✓ ✓
380					
310			5.7	90.2	✓ ✓
390					
310			9.3	86.6	✓ ✓
400					
310			12.6	83.3	✓ ✓
400					
320			12.6	83.3	✓ ✓
390					
320			8.2	87.7	✓ ✓
380					
320			4.7	91.2	✓ ✓
380					
330			3.5	92.4	✓ ✓
390					
330			7.3	88.6	✓ ✓
400					
330			11.0	84.9	✓ ✓
400					
340			12.2	83.7	✓ ✓
390					
340			6.7	89.2	✓ ✓
T.P.	0.11	595.71	0.30	595.60	
380					
340			2.8	97.9	✓ ✓
370					
330			interpolate		✓ ✓
380					
350			4.3	91.4	✓ ✓
390					
350			8.6	87.1	✓ ✓
400					
350			14.0	81.7	✓ ✓
400					
360			14.7	81.0	✓ ✓
390					
360			10.4	85.3	✓ ✓
380					
360			6.3	89.4	✓ ✓
3370					
4370			1.7	94.0	✓ ✓

(M)

595.71

3380				
4370	6.4	589.3	-	✓
390				
370	10.2	85.5	-	✓
400				
370	15.3	80.4	-	✓
400				
380	15.3	80.4	-	✓
390				
380	11.3	84.4	-	✓
380				
380	7.8	87.9	-	✓
370				
380	3.0	92.7	-	✓
370				
390	2.8	92.9	-	✓
380				
390	7.5	88.2	-	✓
390				
390	11.0	84.7	-	✓
400				
390	15.5	80.2	-	✓
390				
400	10.0	85.7	-	✓
380				
400	5.4	90.3	-	✓
370				
400	2.0	93.7	-	✓
370				
410	1.2	94.5	-	✓
380				
410	5.8	89.9	-	✓
390				
410	10.2	85.5	-	✓
390				
420	11.5	84.2	-	✓
380				
420	8.2	87.5	-	✓
370				
420	3.3	92.4	-	✓
370				
430	2.9	92.8	-	✓
380				
430	7.6	88.1	-	✓
390				
430	12.3	83.4	-	✓
390				
440	11.1	84.6	-	✓
380				
440	4.5	91.2	-	✓

2000

	595.71			
3370				
4440		1.9	593.8	✓
370				
450		2.5	93.2	✓
380				
450		7.0	88.7	✓
390				
450		12.3	83.4	✓
380				
460		7.6	88.1	✓
370				
460		3.0	92.7	✓
370				
470		3.9	91.8	✓
380				
470		8.3	87.4	✓

3430				
4640		10.4	585.3	✓
3440				
4640		14.9	580.8	✓

= Requirement by G.W.C. 3/2/32

T.P.	1.11	584.02	12.80	582.91	
3400					
4450			4.2	79.8	✓
410					
450			7.3	76.7	✓
410					
440			7.5	76.5	✓
400					
440			4.5	79.5	✓
400					
430			3.5	80.5	✓
410					
430			6.5	77.5	✓
420					
430			9.6	74.4	✓
430					
430			11.6	72.4	✓
440					
430			14.4	69.6	✓
450					
430			14.3	69.7	✓
450					
420			14.7	69.3	✓
440					
420			14.5	69.5	✓
430					
420			11.5	72.5	✓

(M)

584.02

3420					
4420	9.2	574.8	✓	✓	
410					
420	7.0	77.0	✓	✓	
400					
420	4.1	79.9	✓	✓	
400					
410	3.8	80.2	✓	✓	
410					
410	7.5	76.5	✓	✓	
420					
410	9.8	74.2	✓	✓	
430					
410	12.3	71.7	✓	✓	
440					
410	14.5	69.5	✓	✓	
440					
400	14.7	69.3	✓	✓	
430					
400	13.7	70.3	✓	✓	
420					
400	10.1	73.9	✓	✓	
410					
400	7.4	76.6	✓	✓	
3400					
4400	3.4	80.6	✓	✓	
410					
390	6.8	77.2	✓	✓	
420					
390	9.5	74.5	✓	✓	
430					
390	14.5	69.5	✓	✓	
440					
390	14.6	69.4	✓	✓	
440					
380	14.4	69.6	✓	✓	
430					
380	14.2	69.8	✓	✓	
420					
380	9.4	74.6	✓	✓	
410					
380	6.1	77.9	✓	✓	
410					
370	6.2	77.8	✓	✓	
420					
370	9.3	74.7	✓	✓	
430					
370	14.6	69.4	✓	✓	
440					
370	14.6	69.4	✓	✓	

(112)

584.02

3440					
4360	14.1	569.9	✓	✓	
430					
360	14.3	69.7	✓	✓	
420					
360	8.4	75.6	✓	✓	
410					
360	5.8	78.2	✓	✓	
410					
350	5.5	78.5	✓	✓	
420					
350	8.8	75.2	✓	✓	
430					
350	14.1	69.9	✓	✓	
440					
350	14.4	69.6	✓	✓	
440					
340	14.2	69.8	✓	✓	
430					
340	14.4	69.6	✓	✓	
420					
340	9.5	74.5	✓	✓	
410					
340	5.0	79.0	✓	✓	
410					
330	4.0	80.0	✓	✓	
420					
330	9.4	74.6	✓	✓	
430					
330	14.3	69.7	✓	✓	
440					
330	13.9	70.1	✓	✓	
440					
320	14.4	69.6	✓	✓	
430					
320	14.2	69.8	✓	✓	
420					
320	9.1	74.9	✓	✓	
410					
320	4.2	79.8	✓	✓	
410					
310	4.1	79.9	✓	✓	
420					
310	9.3	74.7	✓	✓	
430					
310	14.0	70.0	✓	✓	
440					
310	14.4	69.6	✓	✓	
440					
300	13.3	70.7	✓	✓	

(1182)

584.02

3930					
4300	13.3	570.7	✓	✓	
420	8.0	76.0	✓	✓	✓
300	4.0	80.0	✓	✓	✓
410	4.0	80.0	✓	✓	✓
290	6.4	77.6	✓	✓	✓
420	12.2	71.8	✓	✓	✓
290	12.1	71.9	✓	✓	✓
440	11.3	72.7	✓	✓	✓
280	11.9	72.1	✓	✓	✓
430	6.3	77.7	✓	✓	✓
280	3.5	80.5	✓	✓	✓
410	2.4	81.6	✓	✓	✓
270	5.4	78.6	✓	✓	✓
420	11.6	72.4	✓	✓	✓
270	11.2	72.8	✓	✓	✓
440	11.6	72.4	✓	✓	✓
270	11.2	72.8	✓	✓	✓
440	5.7	78.3	✓	✓	✓
260	2.5	81.5	✓	✓	✓
410	6.7	77.3	✓	✓	✓
250	11.3	72.7	✓	✓	✓
430	12.6	71.4	✓	✓	✓
250	12.2	71.8	✓	✓	✓
440	11.3	72.7	✓	✓	✓
240	7.5	76.5	✓	✓	✓
420					
240					

584.02

584.02

3410					
4240	3.6	580.4	✓	✓	✓
100					
230	2.6	81.4	✓	✓	✓
410					
230	5.2	78.8	✓	✓	✓
420					
230	7.4	76.6	✓	✓	✓
430					
230	11.3	72.7	✓	✓	✓
440					
230	13.0	71.0	✓	✓	✓
440					
220	13.0	71.0	✓	✓	✓
430					
220	11.6	72.4	✓	✓	✓
420					
220	8.0	76.0	✓	✓	✓
410					
220	5.2	78.8	✓	✓	✓
410					
210	6.2	77.8	✓	✓	✓
420					
210	9.7	74.3	✓	✓	✓
430					
210	12.0	72.0	✓	✓	✓
440					
210	13.5	70.5	✓	✓	✓
440					
200	14.7	69.3	✓	✓	✓
430					
200	12.7	71.3	✓	✓	✓
420					
200	9.2	74.8	✓	✓	✓
410					
200	5.9	78.1	✓	✓	✓
410					
190	6.1	77.9	✓	✓	✓
420					
190	9.8	74.2	✓	✓	✓
430					
190	13.2	70.8	✓	✓	✓
430					
180	13.7	70.3	✓	✓	✓
420					
180	10.6	73.4	✓	✓	✓
410					
180	6.1	77.9	✓	✓	✓
420					
170	14.6	69.4	✓	✓	✓

(111)

3430		584.02			
4170			14.0	570.0	✓ ✓
430					
160			14.4	69.6	✓ ✓
420					
160			14.7	69.3	✓ ✓
T.P.	3.12	575.01	12.13	571.89	
420					
150			6.2	68.8	✓ ✓
430					
150			7.4	77.6	✓ ✓
430					
140			9.5	65.5	✓ ✓
420					
140			6.4	68.6	✓ ✓
420					
130			6.0	69.0	✓ ✓
430					
130			10.9	64.1	✓ ✓
430					
120			13.5	61.5	✓ ✓
420					
120			7.3	67.7	✓ ✓
420					
110			8.3	66.7	✓ ✓
T.P.	2.50	565.19	12.32	562.69	
430					
100			4.6	60.6	✓ ✓
440					
100			8.3	56.9	✓ ✓
3460					
7080			13.4	51.8	✓ ✓
450					
080			9.6	55.6	✓ ✓
440					
090			7.8	57.4	✓ ✓
450					
090			9.1	56.1	✓ ✓
460					
090			13.6	51.6	✓ ✓
460					
100			13.4	51.8	✓ ✓
450					
100			8.3	56.9	✓ ✓
430					
110			4.2	61.0	✓ ✓
440					
110			8.4	56.8	✓ ✓

(Handwritten mark)

565.19

3450				
4110	8.5	556.7	✓	✓
460	12.9	52.3	✓	✓
110				
460	11.0	54.2	✓	✓
120				
450	8.9	56.3	✓	✓
120				
440	8.1	57.1	✓	✓
120				
440	7.5	57.7	✓	✓
130				
450	7.8	57.4	✓	✓
130				
460	11.9	53.3	✓	✓
130				
460	12.6	52.6	✓	✓
140				
450	8.5	56.7	✓	✓
140				
440	6.0	59.2	✓	✓
140				
440	4.8	60.4	✓	✓
150				
450	7.4	57.8	✓	✓
150				
460	12.3	52.9	✓	✓
150				
460	12.1	53.1	✓	✓
160				
450	6.9	58.3	✓	✓
160				
440	3.0	62.2	✓	✓
160				
440	1.3	63.9	✓	✓
170				
450	7.3	57.9	✓	✓
170				
460	11.8	53.4	✓	✓
170				
460	11.2	54.0	✓	✓
180				
450	6.1	59.1	✓	✓
180				
440	+1.0	66.2	✓	✓
180				
440	+3.2	68.4	✓	✓
190				
450	5.7	59.5	✓	✓
190				

2122

		2				
		565.19				
3460						
4190			10.7	554.5	✓	✓
460						
280			11.0	54.2	✓	✓
450						
200			2.1	63.1	✓	✓
T.P.	10.14	571.31	4.02	561.17		
450						
210			8.5	562.8	✓	✓
460						
210			16.4	54.9	✓	✓
460						
226			15.8	55.5	✓	✓
450						
220			7.2	64.1	✓	✓
450						
230			4.2	67.1	✓	✓
460						
230			14.3	57.0	✓	✓
450						
240			4.3	67.0	✓	✓
460						
240			12.0	59.3	✓	✓
460						
250			11.1	60.2	✓	✓
450						
250			4.5	66.8	✓	✓
450						
260			3.2	68.1	✓	✓
460						
260			7.1	64.2	✓	✓
460						
270			6.5	64.8	✓	✓
450						
270			3.4	67.9	✓	✓
450						
280			5.0	66.3	✓	✓
460						
280			9.1	62.2	✓	✓
460						
290			11.8	59.5	✓	✓
450						
290			3.5	67.8	✓	✓
450						
300			8.0	63.3	✓	✓
460						
300			11.2	60.1	✓	✓
460						
310			11.0	60.3	✓	✓

R.C.

571.31

3450	8.6	62.7	✓	✓
4310				
450	8.0	63.3	✓	✓
320				
460	11.8	59.5	✓	✓
320				
460	10.9	60.4	✓	✓
330				
470	13.9	57.4	✓	✓
330				
450	7.1	64.2	✓	✓
330				
450	7.2	64.1	✓	✓
340				
460	10.9	60.4	✓	✓
340				
470	12.6	58.7	✓	✓
340				
470	12.0	59.3	✓	✓
350				
460	11.0	60.3	✓	✓
350				
450	6.2	65.1	✓	✓
350				
450	6.3	65.0	✓	✓
360				
460	8.7	62.6	✓	✓
360				
470	11.6	59.7	✓	✓
360				
470	11.3	60.0	✓	✓
370				
460	9.2	62.1	✓	✓
370				
450	4.7	66.6	✓	✓
370				
450	4.5	66.8	✓	✓
380				
460	8.8	62.5	✓	✓
380				
470	10.6	60.7	✓	✓
380				
480	13.6	57.7	✓	✓
380				
480	12.0	59.3	✓	✓
390				
470	9.4	61.9	✓	✓
390				
460	8.8	62.5	✓	✓
390				

Rel.

3450		571.31			
4390			5.2	566.1	✓ ✓ ✓
450					
400			6.2	65.1	✓ ✓ ✓
460					
400			8.7	62.6	✓ ✓ ✓
470					
400			9.5	61.8	✓ ✓ ✓
480					
400			11.2	60.1	✓ ✓ ✓
470					
410			9.1	62.2	✓ ✓ ✓
460					
410			7.5	69.8	✓ ✓ ✓
450					
410			3.4	67.9	✓ ✓ ✓
T.P.	0.19	558.92	12.58	558.73	
490					
400			3.2	55.7	✓ ✓ ✓
500					
400			4.1	54.8	✓ ✓ ✓
540					
390			7.2	51.7	✓ ✓ ✓
530					
390			6.2	52.7	✓ ✓ ✓
520					
390			5.9	53.0	✓ ✓ ✓
510					
390			5.8	53.1	✓ ✓ ✓
500					
390			5.1	53.8	✓ ✓ ✓
490					
390			3.2	55.7	✓ ✓ ✓
490					
380			5.4	53.5	✓ ✓ ✓
500					
380			5.8	53.1	✓ ✓ ✓
510					
380			5.7	53.2	✓ ✓ ✓
520					
380			5.7	53.2	✓ ✓ ✓
530					
380			6.0	52.9	✓ ✓ ✓
540					
380			7.3	51.6	✓ ✓ ✓
540					
370			7.7	51.2	✓ ✓ ✓
530					
370			6.0	52.9	✓ ✓ ✓

P.H.

558.92

3520				
4370	5.6	553.3	✓	✓
510				
370	5.7	53.2	✓	✓
500				
370	6.2	52.7	✓	✓
490				
370	4.8	54.1	✓	✓
480				
370	1.8	57.1	✓	✓
480				
360	3.0	55.9	✓	✓
490				
360	5.5	53.4	✓	✓
520				
360	6.2	52.7	✓	✓
510				
360	5.7	53.2	✓	✓
520				
360	5.4	53.5	✓	✓
530				
360	5.3	53.6	✓	✓
540				
360	7.4	51.5	✓	✓
540				
350	7.4	51.5	✓	✓
530				
350	5.9	53.0	✓	✓
520				
350	5.2	53.7	✓	✓
510				
350	5.5	53.4	✓	✓
500				
350	6.2	52.7	✓	✓
490				
350	6.1	52.8	✓	✓
480				
350	3.6	55.3	✓	✓
480				
340	4.3	54.6	✓	✓
490				
340	6.2	52.7	✓	✓
500				
340	6.1	52.8	✓	✓
510				
340	5.5	53.4	✓	✓
520				
340	5.4	53.5	✓	✓
530				
340	6.2	52.7	✓	✓

1896

55892

3540				
4340	7.5	51.4	✓	✓
540				
330	7.7	51.2	✓	✓
530				
330	6.4	52.5	✓	✓
520				
330	5.6	53.3	✓	✓
510				
330	5.3	53.6	✓	✓
500				
330	6.0	52.9	✓	✓
490				
330	6.4	52.5	✓	✓
480				
330	5.2	53.7	✓	✓
470				
320	2.6	56.3	✓	✓
480				
320	5.1	53.8	✓	✓
490				
320	6.5	52.4	✓	✓
500				
320	6.1	52.8	✓	✓
510				
320	5.4	53.5	✓	✓
520				
320	5.7	53.2	✓	✓
530				
320	6.7	52.2	✓	✓
540				
320	8.1	50.8	✓	✓
540				
310	8.0	50.9	✓	✓
530				
310	6.6	52.3	✓	✓
520				
310	5.9	53.0	✓	✓
510				
310	4.7	54.2	✓	✓
500				
310	6.0	52.9	✓	✓
490				
310	6.5	52.4	✓	✓
480				
310	5.5	53.4	✓	✓
470				
310	2.1	56.8	✓	✓
470				
300	3.6	55.3	✓	✓

PCH

558.92

3480				
4300	5.6	53.3	✓	✓
490	6.5	52.4	✓	✓
300				
500				
300	6.1	52.8	✓	✓
510				
300	5.0	53.9	✓	✓
520				
300	6.0	52.9	✓	✓
530				
300	7.8	51.1	✓	✓
3540				
4290	8.2	50.7	✓	✓
530				
290	7.1	51.8	✓	✓
520				
290	5.9	53.0	✓	✓
510				
290	5.5	53.4	✓	✓
500				
290	6.4	52.5	✓	✓
490				
290	5.8	53.1	✓	✓
480				
290	5.8	53.1	✓	✓
470				
290	4.5	54.4	✓	✓
470				
280	5.5	53.4	✓	✓
480				
280	5.8	53.1	✓	✓
490				
280	5.3	53.6	✓	✓
500				
280	6.4	52.5	✓	✓
510				
280	5.6	53.3	✓	✓
520				
280	5.8	53.1	✓	✓
530				
280	8.3	50.6	✓	✓
530				
270	8.0	50.9	✓	✓
520				
270	6.2	52.7	✓	✓
510				
270	5.0	53.9	✓	✓
500				
270	6.4	52.5	✓	✓

PCL

558.92

3490					
4270		6.0	52.9	✓	✓
480					
270		4.9	54.0	✓	✓
470					
270		5.0	53.9	✓	✓
470					
260		6.2	52.7	✓	✓
480					
260		5.2	53.7	✓	✓
490					
260		6.5	52.4	✓	✓
500					
260		6.4	52.5	✓	✓
510					
260		5.8	53.1	✓	✓
520					
260		6.4	52.5	✓	✓
530					
260		8.0	50.9	✓	✓
530					
250		8.3	50.6	✓	✓
520					
250		6.8	52.1	✓	✓
510					
250		6.2	52.7	✓	✓
500					
250		6.5	52.4	✓	✓
490					
250		6.3	52.6	✓	✓
480					
250		5.1	53.8	✓	✓
470					
250		5.6	53.3	✓	✓
470					
240		6.3	52.6	✓	✓
480					
240		6.5	52.4	✓	✓
490					
240		6.5	52.4	✓	✓
500					
240		6.1	52.8	✓	✓
510					
240		6.5	52.4	✓	✓
520					
240		7.1	51.8	✓	✓
530					
240		8.4	50.5	✓	✓
T.P.		4.72	554.20	✓	

N6

End MAR 22, 1932

March, 23, 1932
Simpson - Notes
Louden - Rod
Bailey - Level

clear & warm.

3470	2.93	557.13		554.20			
4230			3.8	53.3	✓	✓	✓
480			4.1	53.0	✓	✓	✓
230							
490			4.7	52.4	✓	✓	✓
230							
500							
230			4.3	52.8	✓	✓	✓
510							
230			5.1	52.0	✓	✓	✓
520							
230			6.2	50.9	✓	✓	✓
520							
220			6.3	50.8	✓	✓	✓
510							
220			4.9	52.2	✓	✓	✓
500							
220			4.4	52.7	✓	✓	✓
490							
220			4.7	52.4	✓	✓	✓
480							
220			4.0	53.1	✓	✓	✓
470							
220		557.1	4.8	52.3	✓	✓	✓
470							
210			4.8	52.3	✓	✓	✓
480							
210			3.7	53.4	✓	✓	✓
490							
210			4.6	52.5	✓	✓	✓
500							
210			4.7	52.4	✓	✓	✓
510							
210			4.9	52.2	✓	✓	✓
520							
210			6.4	50.7	✓	✓	✓
520							
200			6.4	50.7	✓	✓	✓
510							
200			5.5	51.6	✓	✓	✓
500							
200			4.7	52.4	✓	✓	✓
490							
200			4.7	52.4	✓	✓	✓
480							
200			4.3	52.8	✓	✓	✓
470							
200			4.6	52.5	✓	✓	✓

OK

3470
4190

557.13

480
190
490
190
500
190
510
190
520
190
510
180
500
180
490
180
480
180
470
180
470
170
480
170
490
170
500
170
510
170
510
160
500
160
490
160
480
160
470
160
470
150
480
150
490
150
500
150

4.8 552.3 ✓ ✓
3.8 53.9 ✓ ✓
4.8 52.3 ✓ ✓
5.0 52.1 ✓ ✓
5.8 51.3 ✓ ✓
6.7 50.4 ✓ ✓
6.5 50.6 ✓ ✓
5.0 52.1 ✓ ✓
4.6 52.5 ✓ ✓
4.2 52.9 ✓ ✓
4.7 52.4 ✓ ✓
4.7 52.4 ✓ ✓
4.4 52.7 ✓ ✓
4.6 52.5 ✓ ✓
5.3 51.8 ✓ ✓
6.6 50.5 ✓ ✓
6.8 50.3 ✓ ✓
5.7 51.4 ✓ ✓
5.0 52.1 ✓ ✓
5.4 51.7 ✓ ✓
4.9 52.2 ✓ ✓
4.5 52.6 ✓ ✓
5.1 52.0 ✓ ✓
5.6 51.5 ✓ ✓
5.5 51.6 ✓ ✓

RKH

557.1

	557.13				
3510					
4150		6.9	50.2	✓	✓
510					
140		6.7	50.4	✓	✓
500					
140		5.7	51.4	✓	✓
490					
140		5.5	51.6	✓	✓
480					
140		5.0	52.1	✓	✓
470					
140		5.0	52.1	✓	✓
470					
130		4.8	52.3	✓	✓
480					
130		5.2	51.9	✓	✓
490					
130		5.7	51.4	✓	✓
500					
130		6.3	50.8	✓	✓
510					
120		7.1	50.0	✓	✓
500					
120	557.1	6.3	50.8	✓	✓
490					
120		5.7	51.4	✓	✓
480					
120		5.6	51.5	✓	✓
470					
120		4.9	52.2	✓	✓
470					
110		4.9	52.2	✓	✓
480					
110		5.9	51.2	✓	✓
490					
110		6.1	51.0	✓	✓
500					
110		6.3	50.8	✓	✓
510					
110		7.0	50.1	✓	✓
510					
100		7.0	50.1	✓	✓
500					
100		6.2	50.9	✓	✓
490					
100		6.4	50.7	✓	✓
480					
100		5.9	51.2	✓	✓
470					
100		5.4	51.7	✓	✓

REL.

557.13

3470						
4090			5.1	552.0	✓	✓
480						
090			6.1	51.0	✓	✓
490						
090			6.6	50.5	✓	✓
500						
090			6.9	50.2	✓	✓
500						
080			7.0	50.1	✓	✓
490						
080			6.7	50.4	✓	✓
480						
080			6.2	50.9	✓	✓
470						
080			5.3	51.8	✓	✓
460						
070			5.5	51.6	✓	✓
470						
070			5.7	51.4	✓	✓
480						
070			6.2	50.9	✓	✓
490						
070			7.0	50.1	✓	✓
490						
060			7.0	50.1	✓	✓
480						
060			6.2	50.9	✓	✓
470						
060			5.8	51.3	✓	✓
460						
060			5.4	51.7	✓	✓
480						
050			6.5	50.6	✓	✓
470						
050			6.1	51.0	✓	✓

T.P. 12.39 568.91 0.61 556.52 ✓

1.31 567.60 check on T.P. El. 567.58

RBL

March 24, 1932
 Simpson - Notes
 Loudon - Rod
 Bailey - Level

clear & warm.

B.M.	12.40	573.28		560.88	- B.M.	N-1
	12.30	585.53	0.05	573.23		
3880						
440			9.0	576.5	✓	✓
890						
440			8.7	76.8	✓	✓
900						
440			8.2	77.3	✓	✓
910						
440			7.7	77.8	✓	✓
920						
440			7.7	77.8	✓	✓
930						
440			9.5	76.0	✓	✓
940						
440			7.0	78.5	✓	✓
950						
440			5.0	80.5	✓	✓
960						
440			2.9	82.6	✓	✓
970						
440			1.8	83.7	✓	✓
980						
440			0.0	85.5	✓	✓
4060						
450		585.5	2.2	83.3	✓	✓
990						
450			3.7	81.8	✓	✓
980						
450			4.8	80.7	✓	✓
970						
450			6.3	79.2	✓	✓
960						
450			8.0	77.5	✓	✓
950						
450			10.3	75.2	✓	✓
940						
450			8.7	76.8	✓	✓
930						
450			7.6	77.9	✓	✓
920						
450			5.4	80.1	✓	✓
910						
450			6.0	79.5	✓	✓
900						
450			6.8	78.7	✓	✓
890						
450			7.6	77.9	✓	✓

898

3880	585.53				
1450		8.3	577.2	✓	✓
880					
460		8.2	77.3	✓	✓
890					
460		6.7	78.8	✓	✓
900					
460		5.6	79.9	✓	✓
910					
460		4.8	80.7	✓	✓
920					
460		4.2	81.3	✓	✓
930					
460		3.7	81.8	✓	✓
940					
460		7.5	78.0	✓	✓
950					
460		6.7	78.8	✓	✓
960					
460		4.9	80.6	✓	✓
970					
460		7.5	78.0	✓	✓
980					
460	585.5	8.4	77.1	✓	✓
990					
460		7.6	77.9	✓	✓
1000					
460		7.0	78.5	✓	✓
1010					
460		3.4	82.1	✓	✓
010					
470		4.7	80.8	✓	✓
1000					
470		+1.7	87.2	✓	✓
3990					
470		+1.0	86.5	✓	✓
980					
470		0.1	85.4	✓	✓
970					
470		0.3	85.2	✓	✓
960					
470		1.1	84.4	✓	✓
950					
470		1.9	83.6	✓	✓
940					
470		2.0	83.5	✓	✓
930					
470		2.7	82.8	✓	✓
920					
470		3.4	82.1	✓	✓

REL

3910		585.53			
4470			4.3	581.2	✓ ✓ ✓
400					
470			5.2	80.3	✓ ✓ ✓
890					
470			6.6	78.9	✓ ✓ ✓
880					
470			7.7	77.8	✓ ✓ ✓
880					
480			7.3	78.2	✓ ✓ ✓
890					
480			5.7	79.8	✓ ✓ ✓
900					
480			4.8	80.7	✓ ✓ ✓
910					
480			3.8	81.7	✓ ✓ ✓
920					
480			2.6	82.9	✓ ✓ ✓
930					
480			1.7	83.8	✓ ✓ ✓
940					
480			0.8	84.7	✓ ✓ ✓
930					
490			0.6	84.9	✓ ✓ ✓
920					
490			1.8	83.7	✓ ✓ ✓
910					
490			2.7	82.8	✓ ✓ ✓
900					
490			3.9	81.6	✓ ✓ ✓
900					
500			2.9	82.6	✓ ✓ ✓
910					
500			1.5	84.0	✓ ✓ ✓
920					
500			0.7	84.8	✓ ✓ ✓
T.P.	12.95	598.21	0.27	585.26	
990					
440			12.6	85.6	✓ ✓ ✓
4000					
440			9.4	88.8	✓ ✓ ✓
010					
440			8.1	90.1	✓ ✓ ✓
020					
440			7.4	90.8	✓ ✓ ✓
030					
440			6.1	92.1	✓ ✓ ✓
040					
440			4.7	93.5	✓ ✓ ✓

888

	598.21				
4050					
4440		3.6	594.6	✓	✓
060					
440		2.4	95.8	✓	✓
070					
440		1.2	97.0	✓	✓
080					
450		0.4	97.8	✓	✓
070					
450		1.5	96.7	✓	✓
060					
450		2.6	95.6	✓	✓
050					
450		3.9	94.3	✓	✓
040					
450		5.3	92.9	✓	✓
030					
450		6.0	92.2	✓	✓
020					
450		2.5	89.7	✓	✓
010					
450		10.4	87.8	✓	✓
020					
460		10.0	88.2	✓	✓
030	598.2				
460		6.8	91.4	✓	✓
040					
460		5.1	93.1	✓	✓
050					
460		4.1	94.1	✓	✓
060					
460		2.8	95.4	✓	✓
070					
460		1.8	96.4	✓	✓
080					
460		0.7	97.5	✓	✓
080					
470		0.7	97.5	✓	✓
070					
470		2.0	96.2	✓	✓
060					
470		3.2	95.0	✓	✓
050					
470		4.1	94.1	✓	✓
040					
470		9.7	88.5	✓	✓
030					
470		8.4	89.8	✓	✓
020					
470		14.5	83.7	✓	✓

RER

598.21

3950					
4480		12.9	585.3	✓	✓
960					
480		12.1	86.1	✓	✓
970					
480		11.3	86.9	✓	✓
980					
480		10.5	87.7	✓	✓
990					
480		9.9	88.3	✓	✓
4000					
480		9.4	88.8	✓	✓
010					
480		8.7	89.5	✓	✓
020					
480		11.3	86.9	✓	✓
030					
480		12.7	85.5	✓	✓
040					
480		7.9	90.3	✓	✓
050					
480		6.5	91.7	✓	✓
060					
480	598.22	4.8	93.4	✓	✓
070					
480		2.7	95.5	✓	✓
080					
480		1.1	97.1	✓	✓
090					
480		0.3	97.9	✓	✓
7110					
4490		2.0	96.2	✓	✓
4100					
4490		3.2	95.0	✓	✓
4090					
4490		1.4	96.8	✓	✓
080					
490		2.8	95.4	✓	✓
070					
490		6.2	92.0	✓	✓
060					
490		4.8	93.4	✓	✓
050					
490		6.8	91.4	✓	✓
040					
490		12.7	85.5	✓	✓
030					
490		6.8	91.4	✓	✓
020					
490		6.8	91.4	✓	✓

188

	598.21			
4010		7.1	591.1 ✓	✓
4490			90.7 ✓	✓
000		7.5	91.7 ✓	✓
470				
3990		8.0	90.2 ✓	✓
470				
980		8.9	89.3 ✓	✓
470				
970		9.7	88.5 ✓	✓
470				
960		10.4	87.8 ✓	✓
470				
950		11.5	86.7 ✓	✓
470				
940		12.3	85.9 ✓	✓
470				
3920		13.3	84.9 ✓	✓
4500				
930		11.9	86.3 ✓	✓
500				
940		10.8	87.4 ✓	✓
500				
950	598.2	9.7	88.5 ✓	✓
500				
960		8.9	89.3 ✓	✓
500				
970		8.1	90.1 ✓	✓
500				
980		6.7	91.5 ✓	✓
500				
990		6.1	92.1 ✓	✓
500				
4000		5.3	92.9 ✓	✓
4500				
010		4.8	93.4 ✓	✓
500				
020		4.5	93.7 ✓	✓
500				
030		3.8	94.4 ✓	✓
500				
040		3.5	94.7 ✓	✓
500				
050		6.4	91.8 ✓	✓
500				
060		5.8	92.4 ✓	✓
500				
070		2.0	96.2 ✓	✓
500				
080		3.3	94.9 ✓	✓
500				

862

	598.21			
4090		4.7	593.5 ✓ ✓	✓
4500				
4100		1.1	97.1 ✓ ✓	✓
4500				
4060		0.0	98.2 ✓ ✓	✓
4510				
050		0.2	98.0 ✓ ✓	✓
510				
040		0.6	97.6 ✓ ✓	✓
510				
030		1.6	96.6 ✓ ✓	✓
510				
020		1.6	96.6 ✓ ✓	✓
510				
010		1.7	96.5 ✓ ✓	✓
510				
7000		3.1	95.1 ✓ ✓	✓
4510				
3990		3.8	94.4 ✓ ✓	✓
4510				
980		4.1	94.1 ✓ ✓	✓
510				
970		5.1	93.1 ✓ ✓	✓
510	598.2			
960		6.5	91.7 ✓ ✓	✓
510				
950		7.9	90.3 ✓ ✓	✓
510				
940		8.4	89.8 ✓ ✓	✓
510				
930		9.7	88.5 ✓ ✓	✓
510				
920		11.2	87.0 ✓ ✓	✓
510				
910		12.7	85.5 ✓ ✓	✓
510				
900		14.1	84.1 ✓ ✓	✓
510				
890		13.3	84.9 ✓ ✓	✓
520				
900		11.8	86.4 ✓ ✓	✓
520				
910		10.4	87.8 ✓ ✓	✓
520				
920		8.8	89.4 ✓ ✓	✓
520				
930		7.0	91.2 ✓ ✓	✓
520				
940		5.5	92.7 ✓ ✓	✓
520				

REL

598.21

3950			4.7	593.5	✓	✓
4520						
960			3.8	94.4	✓	✓
520						
970			2.9	95.3	✓	✓
520						
980			2.0	96.2	✓	✓
520						
990			1.1	97.1	✓	✓
520						
4000			0.4	97.8	✓	✓
520						
3960			1.5	96.7	✓	✓
530						
950			2.1	96.1	✓	✓
530						
940			2.8	95.4	✓	✓
530						
930			4.4	93.8	✓	✓
530						
920			6.0	92.2	✓	✓
530						
910			7.4	90.8	✓	✓
530						
900			9.3	88.9	✓	✓
530						
900			6.4	91.8	✓	✓
540						
910			5.1	93.1	✓	✓
540						
920			3.0	95.2	✓	✓
540						
930			2.0	96.2	✓	✓
540						
940			1.0	97.2	✓	✓
540						
900			3.3	94.9	✓	✓
550						
T.P.	12.40	609.42	1.19	597.02		
4090			10.8	598.6	✓	✓
4460			9.7	99.7	✓	✓
+1000						
460			8.5	600.9	✓	✓
110						
460			7.4	02.0	✓	✓
120						
460			6.3	03.1	✓	✓
130						
460						

RSH

4140	609.42				
4460		5.5	60.39	✓	✓
150					
460		4.2	05.2	✓	✓
160					
460		3.0	06.4	✓	✓
170					
460		1.7	07.7	✓	✓
180					
460		0.9	08.5	✓	✓
180					
470		1.7	07.7	✓	✓
170					
470		2.9	06.5	✓	✓
160					
470		3.9	05.5	✓	✓
150					
470		5.4	04.0	✓	✓
140					
470		6.4	03.0	✓	✓
130					
470		7.3	02.1	✓	✓
120					
470		8.2	01.2	✓	✓
110					
470	609.4	9.1	00.3	✓	✓
100					
470		10.1	599.3	✓	✓
090					
470		11.0	98.4	✓	✓
100					
480		10.9	98.5	✓	✓
110					
480		10.1	99.3	✓	✓
120					
480		9.2	600.2	✓	✓
130					
480		8.3	01.1	✓	✓
140					
480		7.0	02.4	✓	✓
150					
480		6.0	03.4	✓	✓
160					
480		5.1	04.3	✓	✓
170					
480		3.9	05.5	✓	✓
180					
480		6.8	02.6	✓	✓
190					
480		5.1	04.3	✓	✓

609.42

4200				
4480	2.4	607.0	✓	✓
210				
480	+0.2	09.6	✓	✓
200				
490	0.8	08.6	✓	✓
190				
490	2.6	06.8 05.8	✓	✓
180				
490	4.5	04.9	✓	✓
170				
490	8.1	01.3	✓	✓
160				
490	9.7	599.7	✓	✓
150				
490	11.4	98.0	✓	✓
140				
490	10.1	99.3	✓	✓
130				
490	12.7	96.7	✓	✓
120				
490	12.6	96.8	✓	✓
110				
500	10.9	98.5	✓	✓
120				
500	609.4	9.1	600.3	✓
130				
500	8.3	01.1	✓	✓
140				
500	7.6	01.8	✓	✓
150				
500	6.7	02.7	✓	✓
160				
500	6.5	02.9	✓	✓
170				
500	8.4	01.0	✓	✓
180				
500	4.6	04.8	✓	✓
190				
500	3.2	06.2	✓	✓
200				
500	1.5	07.9	✓	✓
140				
510	4.0	05.4	✓	✓
130				
510	5.2	04.2	✓	✓
120				
510	7.0	02.4	✓	✓
110				
510	7.5	01.9	✓	✓

REB.

609.42

4100					
4510		7.4	600.0	✓	✓
090					
510		9.0	00.4	✓	✓
080					
510		9.1	00.3	✓	✓
070					
510		9.5	599.9	✓	✓
010					
520		11.0	98.4	✓	✓
020					
520		10.2	99.2	✓	✓
030					
520		9.7	99. ⁷ / ₅	✓	✓
040					
520		9.0	600.4	✓	✓
050					
520		8.4	01.0	✓	✓
060					
520		7.6	01.8	✓	✓
070					
520		6.8	02.6	✓	✓
080					
520		6.0	03.4	✓	✓
090					
520	609.4	6.0	03.4	✓	✓
100					
520		6.3	03.1	✓	✓
110					
520		5.0	04.4	✓	✓
120					
520		3.9	05.5	✓	✓
130					
520		2.0	07.4	✓	✓
140					
520		1.0	08.4	✓	✓
150					
520		0.8	08.6	✓	✓
120					
530		1.1	08.3	✓	✓
110					
530		2.6	06.8	✓	✓
100					
530		3.6	05.8	✓	✓
090					
530		4.0	05.4	✓	✓
080					
530		3.8	05.6	✓	✓
070					
530		4.5	04.9	✓	✓

P.S.

4060	609.42	5.2	604.2	✓	✓	✓
4530						
050		57	09.7	✓	✓	✓
530						
040		6.6	02.8	✓	✓	✓
530						
030		7.1	02.3	✓	✓	✓
530						
020		6.8	02.6	✓	✓	✓
530						
010		7.6	01.8	✓	✓	✓
530						
4000		9.3	00.1	✓	✓	✓
530						
3990		10.2	599.2	✓	✓	✓
530						
980		10.8	98.6	✓	✓	✓
530						
970		11.8	97.6	✓	✓	✓
530						
940		12.2	97.2	✓	✓	✓
540						
950	609.4	11.1	98.1	✓	✓	✓
540						
960		10.5	98.9	✓	✓	✓
540						
970		9.2	600.2	✓	✓	✓
540						
980		8.3	01.1	✓	✓	✓
540						
990		7.3	02.1	✓	✓	✓
540						
4000		6.7	02.7	✓	✓	✓
540						
010		5.5	03.9	✓	✓	✓
540						
020		4.6	04.8	✓	✓	✓
540						
030		4.0	05.4	✓	✓	✓
540						
040		3.7	05.7	✓	✓	✓
540						
050		3.1	06.3	✓	✓	✓
540						
060		2.8	06.6	✓	✓	✓
540						
070		2.1	07.3	✓	✓	✓
540						
080		1.8	07.6	✓	✓	✓
540						

over

4090	609.42			
4540		1.4	608.0	✓ ✓ ✓
100				
540		0.8	08.6	✓ ✓ ✓
050				
550		0.2	09.2	✓ ✓ ✓
040				
550		0.9	08.5	✓ ✓ ✓
030				
550		1.4	08.0	✓ ✓ ✓
020				
550		2.1	07.3	✓ ✓ ✓
010				
550		2.8	06.6	✓ ✓ ✓
4000				
550		3.4	06.0	✓ ✓ ✓
3990				
550		4.1	05.3	✓ ✓ ✓
980				
550		5.4	04.0	✓ ✓ ✓
970				
550		6.4	03.0	✓ ✓ ✓
960				
550	609.4	7.7	01.7	✓ ✓ ✓
950				
550		8.4	01.0	✓ ✓ ✓
940				
550		8.7	00.7	✓ ✓ ✓
930				
550		10.0	599.4	✓ ✓ ✓
920				
550		11.4	98.0	✓ ✓ ✓
910				
550		13.8	95.6	✓ ✓ ✓
910				
560		10.0	99.4	✓ ✓ ✓
920				
560		9.4	600.0	✓ ✓ ✓
930				
560		7.1	02.3	✓ ✓ ✓
940				
560		5.1	04.3	✓ ✓ ✓
950				
560		4.6	04.8	✓ ✓ ✓
960				
560		4.7	04.7	✓ ✓ ✓
970				
560		3.6	05.8	✓ ✓ ✓
980				
560		2.5	06.9	✓ ✓ ✓

REL

3990		609.42			
4560			1.2	608.2	✓ ✓
4000					
560			0.3	09.1	✓ ✓
3960					
570			1.5	07.9	✓ ✓
950					
570			2.5	06.9	✓ ✓
940					
570			3.6	05.8	✓ ✓
930					
570			4.3	05.1	✓ ✓
920					
570			5.1	04.3	✓ ✓
T.P.	12.87	621.03	1.26	608.16	✓
4190					
4460			11.3	09.7	✓ ✓
4200					
460			10.4	10.6	✓ ✓
210					
460			9.4	11.6	✓ ✓
220					
460			8.8	12.2	✓ ✓
230					
460			7.9	13.1	✓ ✓
240					
460			6.3	14.7	✓ ✓
250					
460			5.0	16.0	✓ ✓
260					
460			4.6	16.4	✓ ✓
270					
460			6.5	14.5	✓ ✓
280					
460			1.5	19.5	✓ ✓
280					
470			2.0	19.0	✓ ✓
270					
470			7.5	13.5	✓ ✓
260					
470			6.7	14.3	✓ ✓
250					
470			9.8	11.2	✓ ✓
240					
470			8.7	12.3	✓ ✓
230					
470			11.1	09.9	✓ ✓
220					
470			10.6	10.4	✓ ✓

REL

		621.03			
4210		15.0	606.0	✓	✓
4470					
200		11.6	09.4	✓	✓
470					
190		11.4	09.6	✓	✓
470					
220		9.8	11.2	✓	✓
480					
230		8.8	12.2	✓	✓
480					
240		7.1	13.9	✓	✓
480					
250		4.8	16.2	✓	✓
480					
260		3.4	17.6	✓	✓
480					
270		2.0	19.0	✓	✓
480					
250		1.8	19.2	✓	✓
490					
240		4.2	16.8	✓	✓
490					
230		6.3	14.7	✓	✓
490	621.0				
220		8.2	12.8	✓	✓
490					
210		10.2	10.8	✓	✓
490					
210		10.3	10.7	✓	✓
500					
220		7.7	13.3	✓	✓
500					
230		5.7	15.3	✓	✓
500					
240		3.2	17.8	✓	✓
500					
250		0.9	20.1	✓	✓
500					
240		2.8	18.2	✓	✓
510					
230		4.9	16.1	✓	✓
510					
220		7.8	13.2	✓	✓
510					
210		11.4	09.6	✓	✓
510					
200		13.8	07.2	✓	✓
510					
190		15.7	05.3	✓	✓
510					

REL

621.03

4180				
4510				
170	16.8	60.42	✓	✓
510	15.3	05.76	✓	✓
160				
510	15.6	05.4	✓	✓
150				
510	15.0	06.0	✓	✓
150				
520	12.4	08.6	✓	✓
160				
520	12.5	08.5	✓	✓
170				
520	12.4	08.6	✓	✓
180				
520	12.6	08.4	✓	✓
190				
520	13.0	08.0	✓	✓
200				
520	14.3	06.7	✓	✓
210				
520	11.3	09.7	✓	✓
220				
520	7.8	13.2	✓	✓
230				
520	4.0	17.0	✓	✓
240				
520	0.8	20.2	✓	✓
240				
530	1.8	19.2	✓	✓
230				
530	4.9	16.1	✓	✓
220				
530	7.9	13.1	✓	✓
210				
530	11.0	10.0	✓	✓
200				
530	10.8	10.2	✓	✓
190				
530	8.7	12.3	✓	✓
180				
530	8.8	12.2	✓	✓
170				
530	8.6	12.4	✓	✓
160				
530	9.4	11.6	✓	✓
150				
530	9.1	11.9	✓	✓
140				
530	9.9	11.1	✓	✓

REL

621.03

4130		12.0	609.0	✓	✓
4530					
110		11.8	09.2	✓	✓
540					
120		10.4	10.6	✓	✓
540					
130		9.1	11.9	✓	✓
540					
140		7.3	13.7	✓	✓
540					
150		7.1	13.9	✓	✓
540					
160		5.4	15.6	✓	✓
540					
170		5.0	16.0	✓	✓
540					
180		5.1	15.9	✓	✓
540					
190		5.7	15.3	✓	✓
540					
200		8.3	12.7	✓	✓
540					
210	621.0	12.8	08.2	✓	✓
540					
220		6.8	14.2	✓	✓
540					
230		4.0	17.0	✓	✓
540					
240		0.8	20.2	✓	✓
540					
180		1.9	19.1	✓	✓
550					
170		2.2	18.8	✓	✓
550					
160		2.8	18.2	✓	✓
550					
150		3.8	17.2	✓	✓
550					
140		5.1	15.9	✓	✓
550					
130		7.0	14.0	✓	✓
550					
120		8.2	12.8	✓	✓
550					
110		9.4	11.6	✓	✓
550					
100		9.4	11.6	✓	✓
550					
090		9.8	11.2	✓	✓
550					

621.03

621.03

4080		9.9	611.1	✓	✓
4550					
070		10.5	10.5	✓	✓
550					
060		10.3	10.7	✓	✓
550					
010		11.0	10.0	✓	✓
560					
020		10.2	10.8	✓	✓
560					
030		9.6	11.4	✓	✓
560					
040		7.0	12.0	✓	✓
560					
050		8.6	12.4	✓	✓
560					
060		7.8	13.2	✓	✓
560					
070		6.8	14.2	✓	✓
560					
080	621.0	6.4	14.6	✓	✓
560					
090		6.5	14.5	✓	✓
560					
100		6.3	14.7	✓	✓
560					
110		5.6	15.4	✓	✓
560					
120		4.8	16.2	✓	✓
560					
130		3.2	17.8	✓	✓
560					
140		1.6	19.4	✓	✓
560					
150		0.9	20.1	✓	✓
560					
120		1.4	19.6	✓	✓
570					
110		2.5	18.5	✓	✓
570					
100		3.1	17.9	✓	✓
570					
090		3.4	17.6	✓	✓
570					
080		3.4	17.6	✓	✓
570					
070		3.4	17.6	✓	✓
570					
060		4.2	16.8	✓	✓
570					

2102

4050					
4570		5.0	616.0	✓	✓
040					
570		6.2	14.8	✓	✓
030					
570		6.5	14.5	✓	✓
020					
570		7.0	14.0	✓	✓
010					
570		7.6	13.4	✓	✓
000					
570		8.0	13.0	✓	✓
3990					
570		9.1	11.9	✓	✓
980					
570		9.6	11.4	✓	✓
970					
570		12.0	9.0	✓	✓
930					
580		11.8	9.2	✓	✓
940					
580		11.4	09.6	✓	✓
950					
580	621.0	11.1	09.9	✓	✓
960					
580		9.8	11.2	✓	✓
970					
580		8.6	12.4	✓	✓
980					
580		7.1	13.9	✓	✓
990					
580		6.5	14.5	✓	✓
4000					
580		5.4	15.6	✓	✓
010					
580		4.5	16.5	✓	✓
020					
580		3.6	17.4	✓	✓
030					
580		2.8	18.2	✓	✓
040					
580		2.2	18.8	✓	✓
050					
580		1.2	19.8	✓	✓
060					
580		0.4	20.6	✓	✓
020					
590		0.0	21.0	✓	✓
010					
590		0.0	21.0	✓	✓

(702)

4000					
4590		621.03	1.8	19.2	✓ ✓
3990			2.6	18.4	✓ ✓
590			3.5	17.5	✓ ✓
980			5.2	15.8	✓ ✓
590			6.4	14.6	✓ ✓
970			7.5	13.5	✓ ✓
590			8.8	12.2	✓ ✓
960			8.9	12.1	✓ ✓
590			10.4	10.6	✓ ✓
920			6.6	14.4	✓ ✓
600			5.6	15.4	✓ ✓
930			4.5	16.5	✓ ✓
600			3.5	17.5	✓ ✓
940			2.5	18.5	✓ ✓
600			1.2	19.8	✓ ✓
950			1.1	19.9	✓
600			2.0	19.0	✓
960					
600	T.P.	12.99	0.01	621.02	
970			11.1	622.9	✓ ✓
460			9.7	24.3	✓ ✓
4300			8.0	26.0	✓ ✓
460			6.6	27.4	✓ ✓
310			4.4	29.6	✓ ✓
460			3.3	30.7	✓ ✓
320			1.2	32.8	✓ ✓
460					
330					
460					
340					
460					
350					
460					

(100)

634.01

4340					
4470	1.4	632.6	✓	✓	
330					
470	3.8	30.2	✓	✓	
320					
470	6.0	28.0	✓	✓	
310					
470	8.2	25.8	✓	✓	
300					
470	10.2	23.8	✓	✓	
290					
470	12.6	21.4	✓	✓	
280					
480	13.9	20.1	✓	✓	
290					
480	12.9	21.1	✓	✓	
300					
480	13.7	20.3	✓	✓	
310					
480	10.1	23.9	✓	✓	
320					
480	7.0	27.0	✓	✓	
330					
480	3.3	30.7	✓	✓	
340					
480	0.2	33.8	✓	✓	
340					
490	0.0	34.0	✓	✓	
330					
490	4.3	29.7	✓	✓	
320					
490	9.8	24.2	✓	✓	
310					
490	9.6	24.4	✓	✓	
300					
490	8.8	25.2	✓	✓	
290					
490	9.6	24.4	✓	✓	
280					
490	11.2	22.8	✓	✓	
270					
490	12.1	21.9	✓	✓	
260					
490	14.0	20.0	✓	✓	
260					
500	11.7	22.3	✓	✓	
270					
500	9.6	24.4	✓	✓	
280					
500	8.1	25.9	✓	✓	

(10)

63401

4290				
4500	6.7	627.3	✓	✓
300				
500	5.9	28.1	✓	✓
310				
500	5.6	28.4	✓	✓
320				
500	5.5	28.5	✓	✓
330				
500	5.6	28.4	✓	✓
310				
510	2.4	31.6	✓	✓
300				
510	3.5	30.5	✓	✓
290				
510	4.4	29.6	✓	✓
280				
510	6.3	27.7	✓	✓
270				
510	7.7	26.3	✓	✓
260				
510	10.2	23.8	✓	✓
250				
510	12.6	21.4	✓	✓
250				
520	11.9	22.1	✓	✓
260				
520	8.8	25.2	✓	✓
270				
520	6.4	27.6	✓	✓
280				
520	4.2	29.8	✓	✓
290				
520	2.5	31.5	✓	✓
300				
520	0.5	33.5	✓	✓
280				
530	2.7	31.3	✓	✓
270				
530	5.1	28.9	✓	✓
260				
530	7.7	26.3	✓	✓
250				
530	10.9	23.1	✓	✓
250				
540	9.5	24.5	✓	✓
260				
540	5.8	28.2	✓	✓
270				
540	3.8	30.2	✓	✓

1130

634.01

4280					
4540	0.3	633.7	✓	✓	
270					
550	1.6	32.4	✓	✓	
260					
550	5.2	28.8	✓	✓	
250					
550	7.5	26.5	✓	✓	
240					
550	12.4	21.6	✓	✓	
230					
550	16.8	17.2	✓	✓	
220					
550	20.8	13.2	✓	✓	
210					
550	20.1	13.9	✓	✓	
200					
550	17.3	16.7	✓	✓	
190					
550	14.6	19.4	✓	✓	
150					
560	14.0	20.0	✓	✓	
160					
560	12.3	21.7	✓	✓	
170					
560	12.3	21.7	✓	✓	
180					
560	12.0	22.0	✓	✓	
190					
560	12.6	21.4	✓	✓	
200					
560	14.3	19.7	✓	✓	
210					
560	16.4	17.6	✓	✓	
220					
560	20.0	14.0	✓	✓	
230					
560	15.8	18.2	✓	✓	
240					
560	11.5	22.5	✓	✓	
250					
560	6.8	27.2	✓	✓	
260					
560	3.9	30.1	✓	✓	
260					
570	2.8	31.2	✓	✓	
250					
570	6.8	27.2	✓	✓	
240					
570					

interpolate

(m)

634.01

4230				
4570				
220	15.3	618.7	✓	✓
570	15.5	18.5	✓	✓
210				
570	11.3	22.7	✓	✓
200				
570	9.9	24.1	✓	✓
190				
570	9.7	24.3	✓	✓
180				
570	9.7	24.3	✓	✓
170				
570	10.1	23.9	✓	✓
160				
570	10.7	23.9	✓	✓
150				
570	11.2	22.8	✓	✓
140				
570	12.2	21.8	✓	✓
130				
570	12.2	21.8	✓	✓
070				
580	12.2	21.8	✓	✓
080				
580	13.2	20.8	✓	✓
090				
580	13.0	21.0	✓	✓
100				
580	12.5	21.5	✓	✓
110				
580	12.1	21.9	✓	✓
120				
580	11.5	22.5	✓	✓
130				
580	10.7	23.3	✓	✓
140				
580	10.0	24.0	✓	✓
150				
580	9.0	25.0	✓	✓
160				
580	8.1	25.9	✓	✓
170				
580	7.1	26.9	✓	✓
180				
580	6.5	27.5	✓	✓
190				
580	6.4	27.6	✓	✓
200				
580	6.6	27.4	✓	✓

(2132)

634.01

4210 4580	7.9	626.1	✓	✓
220 580	9.3	24.7	✓	✓
230 580	11.4	22.6	✓	✓
240 580	9.5	24.5	✓	✓
250 580	6.0	28.0	✓	✓
260 580	2.2	31.8	✓	✓
260 590	2.9	31.1	✓	✓
250 590	6.8	27.2	✓	✓
240 590	5.0	29.0	✓	✓
230 590	5.6	28.4	✓	✓
220 590	4.2	29.8	✓	✓
210 590	3.5	30.5	✓	✓
200 590	2.7	31.3	✓	✓
190 590	2.9	31.1	✓	✓
180 590	2.9	31.1	✓	✓
170 590	3.7	30.3	✓	✓
160 590	5.4	28.6	✓	✓
150 590	6.2	27.8	✓	✓
140 590	6.4	27.6	✓	✓
130 590	7.6	26.4	✓	✓
120 590	8.0	26.0	✓	✓
110 590	8.6	25.4	✓	✓
100 590	8.2	25.8	✓	✓
090 590	7.5	26.5	✓	✓
080 590	8.5	25.5	✓	✓

(712)

634.01

4070					
7590	8.4	625.6	✓	✓	
060					
590	8.4	25.6	✓	✓	
050					
590	9.5	24.5	✓	✓	
040					
590	11.4	22.6	✓	✓	
030					
590	12.1	21.9	✓	✓	
3970					
600	14.4	19.6	✓	✓	
980					
600	12.6	21.4	✓	✓	
990					
600	11.1	22.9	✓	✓	
4000					
600	10.9	23.1	✓	✓	
010					
600	9.9	24.1	✓	✓	
020					
600	9.0	25.0	✓	✓	
030					
600	7.8	26.2	✓	✓	
040					
600	6.9	27.1	✓	✓	
050					
600	5.1	28.9	✓	✓	
060					
600	4.7	29.3	✓	✓	
070					
600	3.7	30.3	✓	✓	
080					
600	2.0	32.0	✓	✓	
090					
600	2.8	31.2	✓	✓	
4100					
600	4.0	30.0	✓	✓	
110					
600	4.1	29.9	✓	✓	
120					
600	3.7	30.9	✓	✓	
130					
600	3.5	30.5	✓	✓	
140					
600	3.0	31.0	✓	✓	
150					
600	2.3	31.7	✓	✓	
T.P.	4.41	629.60	✓	✓	

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	6.80	636.40	629.60		
4080					
4610			2.1	34.3	✓
070					✓
610			2.1	34.3	✓
060					✓
610			2.2	34.2	✓
050					✓
610			2.9	33.5	✓
040					✓
610			3.2	33.2	✓
030					✓
610			5.8	30.6	✓
020					✓
610			7.2	29.2	✓
010					✓
610			8.1	28.3	✓
000					✓
610			8.8	27.6	✓
3990					✓
610			10.2	26.2	✓
180					✓
610			11.6	24.8	✓
970					✓
610			13.3	23.1	✓
960					✓
610			15.0	21.4	✓
950					✓
610			15.4	21.0	✓
940					✓
620			12.6	23.8	✓
950					✓
620			11.1	25.3	✓
960					✓
620			10.3	26.1	✓
970					✓
620			8.4	28.0	✓
980					✓
620			7.0	29.4	✓
990					✓
620			5.5	30.9	✓
4000					✓
620			4.0	32.4	✓
010					✓
620			2.9	33.5	✓
020					✓
620			1.3	35.1	✓
030					✓
620			0.5	35.9	✓

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3990		636.40			
4630			0.5	635.9	✓
980					✓
630			2.4	34.0	✓
970					✓
630			3.3	33.1	✓
960					✓
630			6.7	29.7	✓
950					✓
630			8.3	28.1	✓
940					✓
630			9.3	27.1	✓
950					✓
640			4.0	32.4	✓
960					✓
640			1.9	34.5	✓
T.P.	12.59	647.55	1.44	634.96	✓
4040					✓
4620			10.2	37.4	✓
040					✓
630			3.2	44.4	✓
030					✓
630			4.7	42.9	✓
020					✓
630			7.0	40.6	✓
010					✓
630			7.9	39.7	✓
000					✓
630			10.5	37.1	✓
3970					✓
640			10.5	37.1	✓
980					✓
640			8.9	38.7	✓
990					✓
640			7.2	40.4	✓
4000					✓
640			5.5	42.1	✓
010					✓
640			2.7	44.9	✓
020					✓
640			1.3	46.3	✓
4000					✓
650			0.5	47.1	✓
3990					✓
650			2.7	44.9	✓
980					✓
650			4.5	43.1	✓
970					✓
650			5.1	42.5	✓

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		6			
		647.55			
3960			8.3	639.3	✓ ✓
4650					
950			10.3	37.3	✓ ✓
650					
960			4.4	43.2	✓ ✓
660					
970			2.3	45.3	✓ ✓
660					
960			1.7	45.9	✓ ✓
670					
T.P.	9.45	7 ✓ 648.65	8.35	639.20	
4360					
4460			14.1	34.6	✓ ✓
370					
460			11.8	36.9	✓ ✓
380					
460			9.5	39.2	✓ ✓
390					
460			7.0	41.7	✓ ✓
400					
460			3.0	45.7	✓ ✓
390					
470			2.9	45.8	✓ ✓
380					
470			5.9	42.8	✓ ✓
370					
470			9.0	39.7	✓ ✓
360					
470			10.6	38.1	✓ ✓
350					
470			13.8	34.9	✓ ✓
350					
480			10.4	38.3	✓ ✓
360					
480			9.0	39.7	✓ ✓
370					
480			5.8	42.9	✓ ✓
380					
480			3.5	45.2	✓ ✓
390					
480			0.6	48.1	✓ ✓
380					
490			0.8	47.9	✓ ✓
370					
490			3.6	45.1	✓ ✓
360					
490			7.5	41.2	✓ ✓
350					
490			11.1	37.6	✓ ✓

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7
648.65

4340					
4500					
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500					
360					
500					
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310					
540					

Contd. in Book #342.

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DIRECTIONS FOR USE OF TABLES

TABLE I.

Distance of slope stake from side of road
slope for any width roadway, slope 1 to 1
If grade is more level, the cut or fill at side
is located by the double entry method.
All chains and tapes used. The number in bold

IMPROVED TABLES

AND

INFORMATION

To find the width of a road or driveway in curve of
any other degree divide by degree of curve and
add constant found in column of constants.
Degree of curve with a given width is found
by dividing constant by constant of curve.
The distance from a point on the tangent to
the curve is very nearly the same as the tangent
length divided by twice the curve.

