

W 351



PHI KAPPA PHI

HONOR SOCIETY

351

T.P.A. 574.77

"B" 580.77

Rock N4280  
E3990

**MICROFILMED**

E. of 5800  
N of 3300

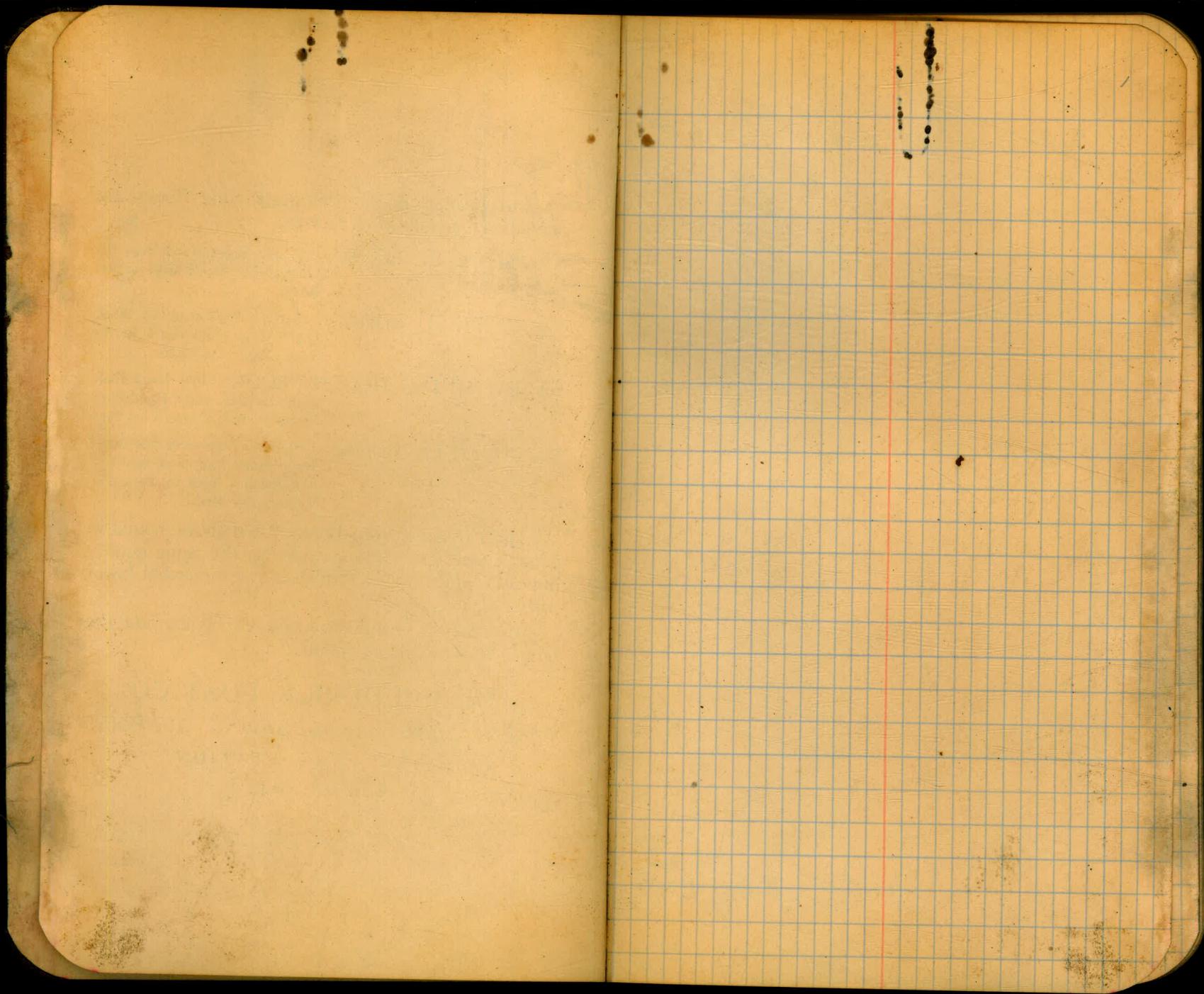
Our Leather Bound Engineers Note Books are carried in the following rulings:

- 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.

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**THE FREDERICK POST CO.**  
*ENGINEERING and DRAFTING SUPPLIES*  
IRVING PARK STATION  
CHICAGO, ILL.



X Sections of Barrow Pit Area N. of  
Exit Portal of Diversion Tunnel &  
W. of Spillway pages 1-14.

X Section of Dumping Area Upstream  
from Upstream Toe Wall. 15-80

N4420	617.81		
E4160		16.7	600.8 ✓
410			
160		15.1	02.4 ✓
400			
160		12.8	04.7 ✓
T.P.		0.37	617.11
	0.53	617.64	
4560			
4140		1.8	15.8 ✓
550			
4140		1.3	16.3 ✓
540			
140		2.4	15.2 ✓
530			
140		3.2	14.4 ✓
520			
140		3.9	13.7 ✓
510			
140		4.6	13.0 ✓
500			
140		5.5	12.1 ✓
490			
140		6.2	11.4 ✓
480			
140		7.4	10.2 ✓
470			
140		8.4	09.2 ✓
460			
140		7.5	08.1 ✓
460			
120		14.0	03.6 ✓
470			
120		12.5	05.1 ✓
480			
120		11.3	06.3 ✓
500			
120		9.1	08.5 ✓
520			
120		7.9	09.7 ✓
540			
120		6.5	11.1 ✓
540			
100		11.0	06.6 ✓
520			
100		13.1	04.5 ✓

Reduced and checked  
6/13/32  
RSL.

4500	617.64		
4100		13.8	603.8 ✓
480		15.7	01.9 ✓
100			
480		18.9	598.7 ✓
085			
490		17.0	600.6 ✓
084			
500		15.8	01.8 ✓
090		19.9	599.7 ✓
500			
080		15.8	01.8 ✓
510		16.3	01.3 ✓
094		16.3	01.3 ✓
520		13.8	03.8 ✓
090		11.89	605.75 ✓
530			
085			
540			
087			
T.P.			

4450	1.29	607.04 ✓	
4120		4.5	02.5 ✓
440		6.3	00.7 ✓
120		7.0	598.0 ✓
430		11.7	95.3 ✓
120		14.3	92.7 ✓
420		15.9	91.1 ✓
120		13.4	93.6 ✓
400		11.1	95.9 ✓
120		10.7	96.8 ✓
390		11.5	95.5 ✓
120		12.8	94.2 ✓
370		13.3	93.7 ✓
120			
370			
110			
380			
110			

Top bank

" "

" "

" "

" "

" "

" "

End May 27-1932

Start May 31-1932

Rock  
N 4457  
E 4125

607.04

✓4420				
4110		13.9	593.1 ✓	
430				
110		11.3	95.7 ✓	
440				
110		9.1	97.9 ✓	
450				
110		7.2	99.8 ✓	
460				
110		5.7	601.3 ✓	
470				
110		4.0	03.0 ✓	
470				
100		7.0	00.0 ✓	
460				
100		8.4	598.6 ✓	
450				
100		9.8	97.2 ✓	
440				
100		11.7	95.3 ✓	
430				
100		14.6	92.4 ✓	
440				
090		15.1	91.9 ✓	
450				
090		12.8	94.2 ✓	
460				
090		11.0	96.0 ✓	
470				
090		9.4	97.6 ✓	
T.P.	0.55	594.58 ✓	13.01	594.03 ✓
410				
110			4.3	90.3 ✓
400				
110			6.2	88.4 ✓
390				
110			2.7	91.9 ✓
410				
100			6.8	87.8 ✓
420				
100			4.2	90.4 ✓
430				
090			5.8	88.8 ✓
420				
090			7.8	86.8 ✓
410				
090			9.6	85.0 ✓

594.58

4410			
4080	13.1	581.5	✓
420			
080	11.9	82.7	✓
430			
080	9.4	85.2	✓
440			
080	7.9	86.7	✓
450			
080	6.6	88.0	✓
460			
080	3.2	91.4	✓
470			
080	10.4	95.0	✓
470			
070	9.2	85.4	✓
460			
070	11.3	83.3	✓
450			
070	13.7	80.9	✓
440			
070	14.1	80.5	✓
430			
070	14.2	80.4	✓
T. P.	12.67	581.91	✓

1.91 583.82 ✓

			Previous	
	9.04	574.78	574.77	Check
420				
070	4.9	78.9		✓
410				
070	4.6	79.2		✓
400				
070	6.2	77.6		✓
410				
060	9.9	73.9		✓
420				
060	8.5	75.3		✓
430				
060	9.2	74.6		✓
440				
060	8.0	75.8		✓
450				
060	10.0	73.8		✓
460				
060	8.4	75.4		✓
470				
060	9.9	73.9		✓

583.82

4480				
4060	9.2	574.6	✓	Bottom Bank
490				" "
060	8.1	75.7	✓	" "
4500				" "
060	11.6	72.2	✓	" "
510				" "
060	11.5	72.3	✓	" "
520				" "
060	10.9	72.9	✓	" "
530				" "
060	11.4	72.4	✓	" "
540				" "
060	10.6	73.2	✓	" "
540				
050	12.4	71.4	✓	
530				
050	12.3	71.5	✓	
520				
050	12.4	71.4	✓	
510				
050	12.2	71.6	✓	
500				
050	12.7	71.1	✓	
490				
050	13.5	70.3	✓	
480				
050	13.9	69.9	✓	
470				
050	13.9	69.9	✓	
460				
050	13.6	70.2	✓	
450				
050	13.9	69.9	✓	
440				
050	14.9	68.9	✓	
430				
050	13.6	70.2	✓	
420				
050	13.0	70.8	✓	
410				
050	13.2	70.6	✓	
410				
040	14.3	69.5	✓	
420				
040	15.4	68.4	✓	
430				
040	12.5	71.3	✓	

583.82

4440			
4040	10.4	573.4	✓
450			
040	10.3	73.5	✓
460			
040	9.8	74.0	✓
470			
040	9.5	74.3	✓
480			
040	10.7	73.1	✓
490			
040	11.4	72.4	✓
500			
040	11.8	72.0	✓
510			
040	12.6	71.2	✓
520			
040	12.4	71.4	✓
530			
040	12.3	71.5	✓
540			
040	12.5	71.3	✓
540			
030	11.2	72.6	✓
530			
030	11.3	72.5	✓
520			
030	11.3	72.5	✓
510			
030	10.5	73.3	✓
500			
030	9.4	74.4	✓
490			
030	9.8	74.0	✓
480			
030	10.3	73.5	✓
470			
030	10.6	73.2	✓
460			
030	10.2	73.6	✓
450			
030	10.5	73.3	✓
440			
030	10.7	73.1	✓
430			
030	10.9	72.9	✓
420			
030	11.1	72.7	✓
410			
030	11.2	72.6	✓

583.82

4410		
4020	11.7	72.1 ✓
420		
020	11.5	72.3 ✓
430		
020	10.9	72.9 ✓
440		
020	11.0	72.8 ✓
450		
020	10.9	72.9 ✓
460		
020	10.5	73.3 ✓
470		
020	9.6	74.2 ✓
480		
020	10.0	73.8 ✓
490		
020	9.7	74.1 ✓
500		
020	9.3	74.5 ✓
510		
020	9.2	74.6 ✓ x
520		
020	9.0	74.8 ✓
530		
020	9.1	74.7 ✓
540		
020	8.7	75.1 ✓
540		
010	8.0	75.8 ✓
530		
010	8.1	75.7 ✓
520		
010	8.6	75.2 ✓
510		
010	8.9	74.9 ✓
500		
010	8.8	75.0 ✓
490		
010	8.6	75.2 ✓
480		
010	8.2	75.6 ✓
470		
010	8.0	75.8 ✓
460		
010	9.2	74.6 ✓
450		
010	9.3	74.5 ✓
440		
010	9.4	74.4 ✓

583.82

4430			
4010	10.1	73.7 ✓	
420			
010	10.4	73.4 ✓	
410			
010	11.2	72.6 ✓	
410			
000	10.1	73.7 ✓	
420			
000	8.7	75.1 ✓	
430			
000	8.6	75.2 ✓	
440			
000	8.2	75.6 ✓	
450			
000	7.5	76.3 ✓	
460			
000	7.4	76.4 ✓	
470			
000	6.8	77.0 ✓	
480			
000	7.2	76.6 ✓	
490			
000	6.8	77.0 ✓	
500			
000	7.5	76.3 ✓	
510			
000	7.6	76.2 ✓	
520			
000	7.5	76.3 ✓	
530			
000	7.0	76.8 ✓	
4540			
4000	6.7	77.1 ✓	x
4540			
3990	5.0	78.8 ✓	
530			
990	7.9	75.9 ✓	
520			
990	5.3	78.5 ✓	
510			
990	5.5	78.3 ✓	
500			
990	5.1	78.7 ✓	
490			
990	5.1	78.7 ✓	
480			
990	5.5	78.3 ✓	
470			
990	5.5	78.3 ✓	

4460			
3990	5.6	578.2	✓
450			
990	5.7	78.1	✓
440			
990	6.2	77.6	✓
430			
990	6.8	77.0	✓
420			
990	7.1	76.7	✓
410			
990	6.9	76.9	✓
4300			
3980	2.0	81.8	✓
310			
980	2.0	81.8	✓
320			
980	1.8	82.0	✓
330			
980	2.1	81.7	✓
340			
980	1.3	82.5	✓
350			
980	1.7	82.1	✓
360			
980	1.4	82.4	✓
370			
980	0.1	83.7	✓
380			
980	+0.4	84.2	✓
✓390			
980	1.4	82.4	✓
400			
980	2.7	81.1	✓
410			
980	3.9	79.9	✓
420			
980	4.4	79.4	✓
430			
980	4.7	79.1	✓
440			
980	4.5	79.3	✓
450			
980	4.1	79.7	✓
460			
980	4.0	79.8	✓
470			
980	3.9	79.9	✓

582.82

May 31-1932  
 Elliott - Notes  
 Simpson - level  
 Soper - Tred  
 Remmen - Tape

11

583.82

4480		3.4	580.4 ✓
3780			
490		3.3	80.5 ✓
980			
500		3.1	80.7 ✓
980			
510		3.4	80.4 ✓
980			
520		3.5	80.3 ✓
980			
530		7.1	76.7 ✓
980			
540		3.7	80.1 ✓
980			
T.P.		1.41	582.41 ✓

12.14 594.55 ✓

B.M.	9.56	584.99	Set B.M. on large Boulder N 4500 ± E 4000 ± (in Ravine)
540			
970	15.0	79.5 ✓	
530			
970	15.1	79.4 ✓	
520			
970	12.2	82.3 ✓	
510			
970	12.3	82.2 ✓	
500			
970	12.2	82.3 ✓	
490			
970	12.7	81.8 ✓	
480			
970	12.5	82.0 ✓	
470			
970	12.8	81.7 ✓	
460			
970	13.1	81.4 ✓	
450			
970	13.0	81.5 ✓	
440			
970	12.9	81.6 ✓	
430			
970	11.7	82.8 ✓	
420			
970	11.2	83.3 ✓	
410			
970	10.5	84.0 ✓	

594.55

4400			
3970	10.2	584.3 ✓	
390			
↓ 970	9.7	84.8 ✓	
380			
970	9.7	84.8 ✓	
370			
970	10.1	84.4 ✓	
360			
970	10.2	84.3 ✓	
350			
970	10.6	83.9 ✓	
340			
970	10.8	83.7 ✓	
330			
970	11.3	83.2 ✓	↓
320			
970	11.2	83.3 ✓	↓
320			
960	10.7	83.8 ✓	
330			
960	10.4	84.1 ✓	
340			
960	10.1	84.4 ✓	
350			
960	9.6	84.9 ✓	
360			
960	9.8	84.7 ✓	
370			
960	9.3	85.2 ✓	
380			
960	8.9	85.6 ✓	
390			
960	8.3	86.2 ✓	
400			
960	7.9	86.6 ✓	
410			
960	7.8	86.7 ✓	
420			
960	8.1	86.4 ✓	
430			
960	7.9	86.6 ✓	
440			
960	10.4	84.1 ✓	
450			
960	10.7	83.8 ✓	
460			
960	10.7	83.8 ✓	
470			
960	10.5	84.0 ✓	

12.49  
1.24  
13.73

14

4480	594.55		
4960	13.73		
490	580.82	10.1	584.4 ✓
960		9.9	84.6 ✓
500		10.3	84.2 ✓
960		9.7	84.8 ✓
510		9.0	85.5 ✓
960		10.4	84.1 ✓
520		10.3	84.2 ✓
960		1.9	92.6 ✓
530		2.3	92.2 ✓
960		4.0	90.5 ✓
540		4.1	90.4 ✓
960		4.9	89.6 ✓
540		5.3	89.2 ✓
940		5.4	89.1 ✓
520		6.3	88.2 ✓
940		6.3	88.2 ✓
500		7.8	86.7 ✓
940		8.9	85.6 ✓
380		9.4	85.1 ✓
940			
360			
940			
340			
940			
320			
940			

End May 31-1932

June 4 - 1932 Cool - Cloudy  
Elliott - Notes  
Simpson - Level  
Soper - Rod  
Remmen - Tape

15

B.M.	0.22	570.64	570.26
N 3820			
E 5630			
810	0.2	70.4 ✓	
630	4.6	66.0 ✓	
800			
630	8.9	61.7 ✓	
790			
630	11.1	59.5 ✓	
780			
630	11.2	59.4 ✓	
770			
630	12.7	57.9 ✓	
760			
630	12.5	58.1 ✓	
750			
630	12.5	58.1 ✓	
740			
630	12.6	58.0 ✓	
730			
630	12.2	58.4 ✓	
730			
640	12.5	58.1 ✓	
740			
640	12.9	57.7 ✓	
750			
640	12.8	57.8 ✓	
760			
640	12.9	57.7 ✓	
770			
640	12.6	58.0 ✓	
780			
640	11.0	59.6 ✓	
790			
640	11.0	59.6 ✓	
800			
640	7.6	63.0 ✓	
810			
640	3.6	67.0 ✓	
820			
640	10.9	71.5 ✓	
810			
650	2.8	67.8 ✓	
800			
650	5.5	65.1 ✓	
790			
650	8.5	62.1 ✓	
780			
650	10.4	60.2 ✓	

X

570.64

3770			
5650		11.7	558.9 ✓
760			
650		12.8	57.8 ✓
750			
850		12.8	57.8 ✓
740			
650		12.7	57.9 ✓
730			
650		12.4	58.2 ✓
730			
660		12.5	58.1 ✓
740			
660		12.5	58.1 ✓
750			
660		12.6	58.0 ✓
760			
660		12.9	57.7 ✓
770			
660		11.3	59.3 ✓
780			
660		9.0	61.6 ✓
790			
660		7.3	63.3 ✓
800			
660		5.0	65.6 ✓
800			
670		1.3	69.3 ✓
790			
670		6.5	64.1 ✓
T.P.	10.29	580.55	0.38 570.26 ✓
810			
670		5.1	75.4 ✓
820			
670		+ 0.5	81.0 ✓
830			
660		+ 4.4	84.9 ✓
820			
660		1.8	78.7 ✓
810			
660		9.2	71.3 ✓
830			
650		+ 1.3	81.8 ✓
820			
650		6.0	74.5 ✓
820			
680		+ 2.0	82.5 ✓
810			
680		3.5	77.0 ✓

X

3800	580.55		
5680		7.6	572.9✓
3790		15.8	64.7✓
5680			
790			
690		13.8	66.7✓
800			
690		6.6	73.9✓
810			
690		1.1	79.4✓
820			
690		+3.5	84.0✓
820			
700		+6.1	86.6✓
810			
700		0.1	80.4✓
800			
700		6.6	73.9✓
790			
700		12.3	68.2✓
790			
710		9.9	70.6✓
800			
710		6.2	74.3✓
810			
710		0.9	79.6✓
820			
710		+8.0	88.5✓
810			
720		0.1	80.4✓
800			
720		5.4	75.1✓
790			
720		10.6	69.9✓
780			
720		13.9	66.6✓
790			
730		11.2	69.3✓
800			
730		4.6	75.9✓
810			
730		+0.1	80.6✓
810			
740		+1.2	81.7✓
800			
740		5.3	75.2✓
790			
740		9.8	70.7✓
780			
740		14.6	65.9✓

X

580.55

3780			13.0	567.5 ✓
5750				
790			8.6	71.9 ✓
750				
800			4.9	75.6 ✓
750				
810			+1.8	82.3 ✓
750				
810			+2.0	82.5 ✓
760				
800			4.0	76.5 ✓
760				
790			8.2	72.3 ✓
760				
780			12.3	68.2 ✓
760				
780			11.3	69.2 ✓
770				
790			7.9	72.6 ✓
770				
800			1.7	78.8 ✓
770				
810			+4.5	85.0 ✓
770				

T.P.	0.0	570.26	10.29	570.26
780			7.8	62.5 ✓
670				
770			9.9	60.4 ✓
670				
760			12.1	58.2 ✓
670				
750			12.2	58.1 ✓
670				
740			12.0	58.3 ✓
670				
730			12.0	58.3 ✓
670				
730			12.2	58.1 ✓
680				
740			12.3	58.0 ✓
680				
750			12.4	57.9 ✓
680				
760			10.8	59.5 ✓
680				
770			10.0	60.3 ✓
680				
780			8.1	62.2 ✓
680				

X

3780	570.26		
5690		5.0	565.3 ✓
770		7.1	63.2 ✓
690			
760		9.6	60.7 ✓
690			
750		12.7	57.6 ✓
690			
740		12.6	57.7 ✓
690			
730		12.6	57.7 ✓
690			
720		12.5	57.8 ✓
690			
720		12.5	57.8 ✓
700			
730		12.6	57.7 ✓
700			
740		12.7	57.6 ✓
700			
750		12.7	57.6 ✓
700			
760		10.9	59.4 ✓
700			
770		7.6	62.7 ✓
700			
780		4.6	65.7 ✓
700			
780		5.1	65.2 ✓
710			
770		8.6	61.7 ✓
710			
760		10.4	59.9 ✓
710			
750		12.3	58.0 ✓
710			
740		12.3	58.0 ✓
710			
730		12.2	58.1 ✓
710			
T.P.		0.00	570.26

1.07 571.33

3770			
5720		9.5	61.8 ✓
760			
720		12.1	59.2 ✓
750			
720		13.6	57.7 ✓

X

571.33

3740		
5720	13.6	557.7 ✓
730		
720	13.5	57.8 ✓
730		
730	13.5	57.8 ✓
740		
730	13.6	57.7 ✓
750		
730	13.4	57.9 ✓
760		
730	13.3	58.0 ✓
770		
730	10.4	60.9 ✓
780		
730	7.2	64.1 ✓
770		
740	9.7	61.6 ✓
760		
740	12.1	59.2 ✓
750		
740	13.3	58.0 ✓
740		
740	13.2	58.1 ✓
730		
740	13.0	58.3 ✓
730		
750	13.2	58.1 ✓
740		
750	13.4	57.9 ✓
750		
750	13.1	58.2 ✓
760		
750	12.3	59.0 ✓
770		
750	9.6	61.7 ✓
770		
760	9.3	62.0 ✓
760		
760	11.1	60.2 ✓
750		
760	13.3	58.0 ✓
740		
760	13.5	57.8 ✓
730		
760	13.5	57.8 ✓
720		
760	13.4	57.9 ✓

X

571.33

3720		
5770	12.9	558.4 ✓
730		
770	13.0	58.3 ✓
740		
770	13.0	58.3 ✓
750		
770	12.9	58.4 ✓
760		
770	10.3	61.0 ✓
770		
770	7.5	63.8 ✓
780		
780	0.7	70.6 ✓
770		
780	7.8	63.5 ✓
760		
780	10.3	61.0 ✓
750		
780	12.3	59.0 ✓
740		
780	13.1	58.2 ✓
730		
780	13.1	58.2 ✓
720		
780	12.9	58.4 ✓
720		
790	13.0	58.3 ✓
730		
790	13.2	58.1 ✓
740		
790	13.2	58.1 ✓
750		
790	11.6	59.7 ✓
760		
790	9.6	61.7 ✓
770		
790	3.9	67.4 ✓
780		
790	2.7	68.6 ✓
780		
800	0.2	71.1 ✓
770		
800	2.6	68.7 ✓
760		
800	8.7	62.6 ✓
750		
800	10.9	60.4 ✓
740		
800	12.4	58.9 ✓

x

June 4-1932

571.33

3730			13.1	558.2✓
5800				
3720			13.5	57.8✓
5800				
720			13.5	57.8✓
810				
730			13.0	58.3✓
810				
740			12.0	59.3✓
810				
750			10.7	60.6✓
810				
760			7.3	64.0✓
810				
770			5.1	66.2✓
810				
T.P.	8.98	572.10	8.21	563.12
770			4.7	67.4✓
820				
760			7.4	64.7✓
820				
750			10.3	61.8✓
820				
740			12.5	59.6✓
820				
730			13.7	58.4✓
820				
720			13.7	58.4✓
820				
710			13.6	58.5✓
820				
700			13.7	58.4✓
820				
690			12.0	60.1✓
820				
680			12.1	60.0✓
830				
690			13.1	59.0✓
830				
700			13.6	58.5✓
830				
710			13.5	58.6✓
830				
720			13.7	58.4✓
830				
730			13.2	58.9✓
830				
740			11.8	60.3✓
830				

X

572.10

3750		
5830	9.5	562.6✓
760		
830	3.4	68.7✓
770		
830	0.8	71.6✓
760		
840	0.8	71.3✓
750		
840	4.0	68.1✓
740		
840	9.9	62.2✓
730		
840	12.1	60.0✓
720		
840	13.5	58.6✓
710		
840	13.5	58.6✓
700		
840	13.7	58.4✓
690		
840	13.7	58.4✓
680		
840	11.8	60.3✓
660		
850	11.5	60.6✓
670		
850	12.0	60.1✓
680		
850	13.5	58.6✓
690		
850	13.7	58.4✓
700		
850	13.5	58.6✓
710		
850	13.6	58.5✓
720		
850	13.0	59.1✓
730		
850	11.0	61.1✓
740		
850	6.9	65.2✓
750		
850	1.3	70.8✓
750		
860	1.0	71.1✓
740		
860	4.8	67.3✓
730		
860	9.5	62.6✓

x

572.10

3720			
5860			
710	11.5	560.6	✓
860	13.5	58.6	✓
700			
860	13.3	58.8	✓
690			
860	13.6	58.5	✓
680			
860	13.6	58.5	✓
670			
860	13.2	58.9	✓
660			
860	11.1	61.0	✓
650			
870	11.5	60.6	✓
660			
870	12.7	59.4	✓
670			
870	13.1	59.0	✓
680			
870	12.9	59.2	✓
690			
870	12.9	59.2	✓
700			
870	13.4	58.7	✓
710			
870	11.9	60.2	✓
720			
870	10.0	62.1	✓
730			
870	4.9	67.2	✓
740			
870	1.4	70.7	✓
740			
880	0.9	71.2	✓
730			
880	4.2	67.9	✓
720			
880	6.0	66.1	✓
710			
880	10.0	62.1	✓
700			
880	12.9	59.2	✓
690			
880	12.9	59.2	✓
680			
880	12.6	59.5	✓
670			
880	12.6	59.5	✓

X

572.10

3660		
5880	13.0	559.1 ✓
650		
880	12.4	59.7 ✓
640		
880	11.9	60.2 ✓
630		
890	11.7	60.4 ✓
640		
890	12.5	59.6 ✓
650		
890	12.8	59.3 ✓
660		
890	12.6	59.5 ✓
670		
890	12.9	59.2 ✓
680		
890	12.8	59.3 ✓
690		
890	13.0	59.1 ✓
700		
890	11.4	60.7 ✓
710		
890	6.3	65.8 ✓
720		
890	2.6	69.5 ✓
730		
890	1.4	70.7 ✓
740		
890	0.3	71.8 ✓
730		
900	0.6	71.5 ✓
720		
900	1.8	70.3 ✓
710		
900	4.0	68.1 ✓
700		
900	11.3	60.8 ✓
690		
900	11.1	61.0 ✓
680		
900	12.4	59.7 ✓
670		
900	12.7	59.4 ✓
660		
900	12.8	59.3 ✓
650		
900	12.7	59.4 ✓
640		
900	12.7	59.4 ✓

x

June 4-1932

572.10

3630			
5900			
620	12.5	559.6	✓
900	11.5	60.6	✓
600			
910	11.0	61.1	✓
610			
910	11.5	60.6	✓
620			
910	12.7	59.4	✓
630			
910	12.9	59.2	✓
640			
910	12.7	59.4	✓
650			
910	12.7	59.4	✓
660			
910	12.7	59.4	✓
670			
910	11.8	60.3	✓
680			
910	9.5	62.6	✓
690			
910	8.1	64.0	✓
700			
910	5.7	66.4	✓
710			
910	2.1	70.0	✓
720			
910	0.9	71.2	✓
710			
920	0.5	71.6	✓
700			
920	1.0	71.1	✓
690			
920	2.3	69.8	✓
680			
920	7.3	64.8	✓
670			
920	9.6	62.5	✓
660			
920	11.9	60.2	✓
650			
920	12.8	59.3	✓
640			
920	12.8	59.3	✓
630			
920	12.7	59.4	✓
620			
920	12.6	59.5	✓

X

	572.10		
3610		12.7	559.4 ✓
5920			
600		11.6	60.5 ✓
920			
T.P.		8.95	563.15 ✓

End June 4-1932

8.50	571.65 ✓		
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Start June 6-1932

680		1.8	69.8 ✓
730			
670		6.5	65.1 ✓
930			
660		9.5	62.1 ✓
730			
650		10.9	60.7 ✓
730			
640		12.4	59.2 ✓
930			
630		12.2	59.4 ✓
730			
620		12.0	59.6 ✓
930			
610		11.8	59.8 ✓
930			
600		11.8	59.8 ✓
930			
590		11.8	59.8 ✓
730			
580		10.5	61.1 ✓
730			
570		10.7	60.9 ✓
940			
580		11.8	59.8 ✓
940			
570		12.1	59.5 ✓
740			
600		11.8	59.8 ✓
740			
610		12.2	59.4 ✓
740			
620		12.1	59.5 ✓
740			
630		12.4	59.2 ✓
940			
640		11.1	60.3 ✓
740			
650		9.1	62.5 ✓
740			
660		7.5	64.1 ✓
740			

x

Elliott - Notes  
Simpson - Level  
Soper - Rod  
Remmen - Tape

571.65

3670			
5940	2.8	568.8✓	
680			
940	0.0	71.6✓	
670			
950	1.5	70.1✓	
660			
950	4.4	67.2✓	
650			
950	7.2	64.4✓	
640			
950	8.5	63.1✓	
630			
950	9.4	62.2✓	
620			
950	11.0	60.6✓	
610			
950	12.2	59.4✓	
600			
950	12.2	59.4✓	
590			
950	12.0	59.6✓	
580			
950	12.1	59.5✓	
570			
950	11.8	59.8✓	
560			
950	11.9	59.7✓	
560			
960	11.8	59.8✓	
570			
960	11.9	59.7✓	
580			
960	11.9	59.7✓	
590			
960	12.3	59.3✓	
600			
960	12.4	59.2✓	
610			
960	12.1	59.5✓	
620			
960	9.6	62.0✓	
630			
960	9.1	62.5✓	
640			
960	7.1	64.5✓	
650			
960	5.1	66.5✓	
660			
960	2.4	69.2✓	

X

571.65

3660		
5970	0.8	570.8 ✓
650		
970	2.6	69.0 ✓
640		
970	5.1	66.5 ✓
630		
970	8.6	63.0 ✓
620		
970	9.2	62.4 ✓
610		
970	9.5	62.1 ✓
600		
970	11.0	60.6 ✓
590		
970	12.5	59.1 ✓
580		
970	12.4	59.2 ✓
570		
970	11.8	59.8 ✓
560		
970	11.8	59.8 ✓
550		
970	12.1	59.5 ✓
540		
980	11.7	59.9 ✓
550		
980	12.0	59.6 ✓
560		
980	12.1	59.5 ✓
570		
980	11.9	59.7 ✓
580		
980	12.0	59.6 ✓
590		
980	10.7	60.9 ✓
600		
980	9.4	62.2 ✓
610		
980	9.2	62.4 ✓
620		
980	8.9	62.7 ✓
630		
980	5.6	66.0 ✓
640		
980	2.2	69.4 ✓
650		
980	0.3	71.3 ✓

x

571.65

3630		
5990	2.0	569.6✓
620		
990	4.7	66.9✓
610		
990	8.5	63.1✓
600		
990	9.0	62.6✓
590		
990	9.5	62.1✓
580		
990	9.9	61.7✓
570		
990	11.5	60.1✓
560		
990	12.3	59.3✓
550		
990	12.3	59.3✓
540		
990	12.4	59.2✓
530		
990	12.4	59.2✓
520		
990	12.4	59.2✓
490		
6000	11.3	60.3✓
500		
6000	11.8	59.8✓
510		
6000	11.6	60.0✓
520		
6000	12.0	59.6✓
530		
6000	12.1	59.5✓
540		
6000	12.3	59.3✓
550		
6000	12.3	59.3✓
560		
6000	10.7	60.9✓
570		
6000	9.4	62.2✓
580		
6000	9.3	62.3✓
590		
6000	8.9	62.7✓
3600		
6000	8.2	63.4✓

X

571.65

3610		
6000	5.3	566.3 ✓
620		
000	1.7	69.9 ✓
620		
010	0.0	71.6 ✓
610		
010	2.0	69.6 ✓
600		
010	5.9	65.7 ✓
590		
010	8.0	63.6 ✓
580		
010	8.5	63.1 ✓
570		
010	9.1	62.5 ✓
560		
010	9.7	61.9 ✓
550		
010	10.5	61.1 ✓
540		
010	12.3	59.3 ✓
530		
010	12.2	59.4 ✓
520		
010	12.0	59.6 ✓
510		
010	11.5	60.1 ✓
500		
010	11.6	60.0 ✓
490		
010	11.7	59.9 ✓
480		
010	11.5	60.1 ✓
470		
010	10.6	61.0 ✓
470		
020	11.5	60.1 ✓
480		
020	11.5	60.1 ✓
490		
020	11.5	60.1 ✓
500		
020	11.5	60.1 ✓
510		
020	11.4	60.2 ✓
520		
020	11.5	60.1 ✓

x

571.65

3530		
6020	11.0	560.6 ✓
540		
020	9.3	62.3 ✓
550		
020	9.0	62.6 ✓
560		
020	8.5	63.1 ✓
570		
020	8.4	63.2 ✓
580		
020	8.4	63.2 ✓
590		
020	5.8	65.8 ✓
600		
020	1.9	69.7 ✓
610		
020	0.3	71.3 ✓
600		
030	1.2	70.4 ✓
590		
030	2.9	68.7 ✓
580		
030	3.7	67.9 ✓
570		
030	7.3	64.3 ✓
560		
030	8.1	63.5 ✓
550		
030	8.5	63.1 ✓
540		
030	8.6	63.0 ✓
530		
030	9.1	62.5 ✓
520		
030	9.2	62.4 ✓
510		
030	11.8	59.8 ✓
500		
030	11.5	60.1 ✓
490		
030	11.4	60.2 ✓
480		
030	11.5	60.1 ✓
470		
030	11.5	60.1 ✓
460		
030	11.6	60.0 ✓
450		
030	11.4	60.2 ✓

x

571.65

3440		
6030		
440	9.7	561.9✓
040	11.5	60.1✓
450		
040	11.1	60.5✓
460		
040	11.3	60.3✓
470		
040	11.6	60.0✓
480		
040	11.6	60.0✓
490		
040	11.5	60.1✓
500		
040	11.3	60.3✓
510		
040	9.6	62.0✓
520		
040	9.3	62.3✓
530		
040	8.9	62.7✓
540		
040	8.3	63.3✓
550		
040	7.8	63.8✓
560		
040	7.1	64.5✓
570		
040	3.3	68.3✓
580		
040	1.8	69.8✓
590		
040	0.9	70.7✓
570		
050	5.6	66.0✓
560		
050	5.0	66.6✓
550		
050	6.6	65.0✓
540		
050	7.7	63.9✓
530		
050	7.9	63.7✓
520		
050	9.1	62.5✓
510		
050	9.4	62.2✓
500		
050	9.2	62.4✓

X

571.65

N.3490  
E.6080480  
050

10.4 561.2✓

11.6 60.0✓

470  
050

11.5 60.1✓

460  
050

11.4 60.2✓

450  
050

11.1 60.5✓

440  
050

11.1 60.5✓

430  
050

10.8 60.8✓

410  
060

10.1 61.5✓

420  
060

10.7 60.9✓

430  
060

11.2 60.4✓

440  
060

11.1 60.5✓

450  
060

11.2 60.4✓

460  
060

11.5 60.1✓

470  
060

11.6 60.0✓

480  
060

10.3 61.3✓

490  
060

9.6 62.0✓

500  
060

9.7 61.9✓

510  
060

8.9 62.7✓

520  
060

8.5 63.1✓

530  
060

6.2 65.4✓

540  
060

6.5 65.1✓

550  
060

5.5 66.1✓

560  
060

4.2 67.4✓

570  
060

3.9 67.7✓

X

571.65

T.P.

1.38

570.27 ✓ check on

B.M. 570.26

570.26

12.53

582.79 ✓

3790

5780

800

780

810

780

810

790

800

790

790

790

800

800

810

800

810

810

810

800

810

790

810

780

810

780

820

790

820

800

820

810

820

810

830

800

830

790

830

780

830

770

840

10.0

572.8 ✓

4.4

78.4 ✓

+0.9

83.7 ✓

+1.5

84.3 ✓

5.5

77.3 ✓

9.7

73.1 ✓

9.3

73.5 ✓

5.9

76.9 ✓

0.0

82.8 ✓

1.0

81.8 ✓

4.8

78.0 ✓

12.8

70.0 ✓

15.8

67.0 ✓

11.6

71.2 ✓

8.7

74.1 ✓

6.3

76.5 ✓

0.4

82.4 ✓

+1.3

84.1 ✓

3.6

79.2 ✓

8.3

74.5 ✓

9.6

73.2 ✓

9.8

73.0 ✓

X

June 6-1932

582.79

3780		
5840	9.0	573.8 ✓
790		
840	8.6	74.2 ✓
800		
840	3.3	79.5 ✓
810		
840	+2.8	85.6 ✓
810		
850	+3.8	86.6 ✓
800		
850	1.0	81.8 ✓
790		
850	6.3	76.5 ✓
780		
850	8.6	74.2 ✓
770		
850	9.7	73.1 ✓
760		
850	10.4	72.4 ✓
760		
860	10.4	72.4 ✓
770		
860	9.3	73.5 ✓
780		
860	8.3	74.5 ✓
790		
860	2.9	77.9 ✓
800		
860	+1.3	84.1 ✓
800		
870	+1.3	84.1 ✓
790		
870	2.5	80.3 ✓
780		
870	5.6	77.2 ✓
770		
870	8.5	74.3 ✓
760		
870	9.8	73.0 ✓
750		
870	11.1	71.7 ✓
750		
880	10.7	72.1 ✓
760		
880	9.5	73.3 ✓
770		
880	8.1	74.7 ✓
780		
880	3.4	79.4 ✓

X

582.79

790		
880	0.0	582.8 ✓
800		
880	+3.3	86.1 ✓
800		
890	+4.8	87.6 ✓
770		
890	+2.0	84.8 ✓
780		
890	2.1	80.7 ✓
770		
890	6.6	76.2 ✓
760		
890	8.6	74.2 ✓
750		
890	10.0	72.8 ✓
740		
900	10.4	72.4 ✓
750		
900	8.7	74.1 ✓
760		
900	7.5	75.3 ✓
770		
900	4.6	78.2 ✓
780		
900	+0.0	82.8 ✓
770		
900	+3.3	86.1 ✓
780		
910	+1.8	84.6 ✓
770		
910	1.3	81.5 ✓
760		
910	6.3	76.5 ✓
750		
910	8.4	74.4 ✓
740		
910	9.3	73.5 ✓
730		
910	10.7	72.1 ✓
720		
920	10.3	72.5 ✓
730		
920	8.8	74.0 ✓
740		
920	8.5	74.3 ✓
750		
720	7.4	75.4 ✓
760		
920	2.5	80.3 ✓

x

582.79

3770			
5920		+1.5	584.3 ✓
770			
930		+1.9	84.7 ✓
760			
930		1.0	81.8 ✓
750			
930		5.0	77.8 ✓
740			
930		8.1	74.7 ✓
730			
930		8.9	73.9 ✓
720			
930		9.3	73.5 ✓
710			
930		9.6	73.2 ✓
700			
930		10.4	72.4 ✓
690			
930		11.6	71.2 ✓
690			
940		10.1	72.7 ✓
700			
940		9.2	73.6 ✓
710			
940		9.1	73.7 ✓
720			
940		9.1	73.7 ✓
730			
940		8.7	74.1 ✓
740			
940		5.3	77.5 ✓
750			
940		2.2	80.6 ✓
760			
940		+0.1	82.9 ✓
770			
940		+3.5	86.3 ✓
T.P.		3.76	579.03 ✓

5.49

584.52

760			
950		0.3	84.2 ✓
750			
950		3.0	81.5 ✓
740			
950		5.6	78.9 ✓
730			
950		9.3	75.2 ✓

x

584.52

3720		
5950	10.2	574.3 ✓
710		
950	10.3	74.2 ✓
700		
950	10.4	74.1 ✓
690		
950	11.1	73.4 ✓
680		
950	11.9	72.6 ✓
670		
960	14.1	70.4 ✓
680		
960	12.7	71.8 ✓
690		
960	10.6	73.9 ✓
700		
960	10.3	74.2 ✓
710		
960	9.9	74.6 ✓
720		
960	9.7	74.8 ✓
730		
960	7.4	77.1 ✓
740		
960	4.8	79.7 ✓
750		
960	1.9	82.6 ✓
750		
970	1.2	83.3 ✓
740		
970	4.0	80.5 ✓
730		
970	7.2	77.3 ✓
720		
970	9.5	75.0 ✓
710		
970	9.7	74.8 ✓
700		
970	10.3	74.2 ✓
690		
970	10.8	73.7 ✓
680		
970	11.7	72.8 ✓
670		
970	12.1	72.4 ✓
660		
980	12.1	72.4 ✓

x

584.52

3670		
5980	11.8	572.7 ✓
680		
980	11.3	73.2 ✓
690		
980	10.6	73.9 ✓
700		
980	10.2	74.3 ✓
710		
980	9.5	75.0 ✓
720		
980	7.4	77.1 ✓
730		
980	5.1	79.4 ✓
740		
980	3.7	80.8 ✓
750		
980	0.7	83.8 ✓
760		
980	+2.5	87.0 ✓
760		
990	+3.1	87.6 ✓
750		
990	+1.1	85.6 ✓
740		
990	1.0	83.5 ✓
730		
990	2.9	81.6 ✓
720		
990	4.9	79.6 ✓
710		
990	6.3	78.2 ✓
700		
990	9.7	74.8 ✓
690		
990	10.5	74.0 ✓
680		
990	11.2	73.3 ✓
670		
990	11.9	72.6 ✓
660		
990	12.1	72.4 ✓
650		
990	11.7	72.8 ✓
640		
990	12.3	72.2 ✓
630		
6000	12.4	72.1 ✓

3740  
6000 40.9

X

584.52

3640		
6000	11.6	572.9 ✓
650		
000	11.7	72.8 ✓
660		
000	12.1	72.4 ✓
670		
000	12.3	72.2 ✓
680		
000	10.9	73.6 ✓
690		
000	9.8	74.7 ✓
700		
000	7.2	77.3 ✓
710		
000	4.7	79.8 ✓
720		
000	2.8	81.7 ✓
730		
000	0.7	83.8 ✓
740		
000	+0.9	85.4 ✓
750		
010	+0.1	84.6 ✓
720		
010	1.1	83.4 ✓
710		
010	3.5	81.0 ✓
700		
010	5.4	79.1 ✓
690		
010	6.1	78.4 ✓
680		
010	10.5	74.0 ✓
670		
010	11.6	72.9 ✓
660		
010	12.1	72.4 ✓
650		
010	11.8	72.7 ✓
640		
010	11.7	72.8 ✓
630		
010	11.7	72.8 ✓
620		
020	12.1	72.4 ✓
630		
020	11.7	72.8 ✓

x

584.52

3640		
6020	11.7	572.8 ✓
650		
020	11.7	72.8 ✓
660		
020	11.9	72.6 ✓
670		
020	11.1	73.4 ✓
680		
020	9.2	75.3 ✓
690		
020	5.3	79.2 ✓
700		
020	2.9	81.6 ✓
710		
020	0.4	84.1 ✓
700		
030	0.6	83.9 ✓
690		
030	3.0	81.5 ✓
680		
030	7.1	77.4 ✓
670		
030	10.6	73.9 ✓
660		
030	11.7	72.8 ✓
650		
030	11.8	72.7 ✓
640		
030	11.7	72.9 ✓
630		
030	11.8	72.7 ✓
620		
030	12.1	72.4 ✓
610		
030	12.7	71.8 ✓
600		
040	13.0	71.5 ✓
610		
040	12.4	72.1 ✓
620		
040	12.1	72.4 ✓
630		
040	11.7	72.8 ✓
640		
040	11.7	72.8 ✓
650		
040	11.9	72.6 ✓

x

584.52

3660		
6040	10.9	573.6 ✓
670		
040	7.6	76.9 ✓
680		
040	4.0	80.5 ✓
690		
040	1.0	83.5 ✓
680		
050	2.7	81.8 ✓
670		
050	6.5	78.0 ✓
660		
050	9.9	74.6 ✓
650		
050	11.1	73.4 ✓
640		
050	11.4	73.1 ✓
630		
050	11.3	73.2 ✓
620		
050	11.7	72.8 ✓
610		
050	11.9	72.6 ✓
600		
050	12.3	72.2 ✓
590		
050	12.8	71.7 ✓
580		
050	14.6	69.9 ✓
580		
060	14.6	69.9 ✓
590		
060	12.9	71.6 ✓
600		
060	11.6	72.9 ✓
610		
060	11.1	73.4 ✓
620		
060	11.0	73.5 ✓
630		
060	10.8	73.7 ✓
640		
060	11.0	73.5 ✓
650		
060	11.1	73.4 ✓
660		
060	8.3	76.2 ✓

584.52

3670		
6060		
680	4.5	580.0 ✓
660	0.4	84.1 ✓
680		
070	0.5	84.0 ✓
670		
070	4.0	80.5 ✓
660		
070	5.8	78.7 ✓
650		
070	7.6	76.9 ✓
640		
070	9.5	75.0 ✓
630		
070	10.1	74.4 ✓
620		
070	10.0	74.5 ✓
610		
070	10.5	74.0 ✓
600		
070	11.1	73.4 ✓
560		
080	13.5	71.0 ✓
570		
080	14.9	69.6 ✓
580		
080	12.2	72.3 ✓
590		
080	14.0	70.5 ✓
600		
080	15.1	69.4 ✓
610		
080	10.1	74.4 ✓
620		
080	9.4	75.1 ✓
630		
080	9.3	75.2 ✓
640		
080	7.9	76.6 ✓
650		
080	5.4	79.1 ✓
660		
080	3.4	81.1 ✓
670		
080	1.1	83.4 ✓
680		
080	0.2	84.3 ✓

X

584.52

3680		
6090	10.5	585.0 ✓
670		
090	0.4	84.1 ✓
660		
090	1.3	83.2 ✓
650		
090	4.2	80.3 ✓
640		
090	5.7	78.8 ✓
630		
090	8.4	76.1 ✓
620		
090	9.0	75.5 ✓
610		
090	13.0	71.5 ✓
600		
090	13.9	70.6 ✓
590		
090	10.4	74.1 ✓
580		
090	10.9	73.6 ✓
570		
090	12.0	72.5 ✓
560		
090	12.7	71.8 ✓
550		
100	12.0	72.5 ✓
560		
100	11.7	72.8 ✓
570		
100	10.3	74.2 ✓
580		
100	10.1	74.4 ✓
590		
100	9.7	74.8 ✓
600		
100	13.1	71.4 ✓
610		
100	13.8	70.7 ✓
620		
100	8.2	76.3 ✓
630		
100	7.0	77.5 ✓
640		
100	4.8	79.7 ✓
650		
100	1.8	82.7 ✓
660		
100	0.4	84.1 ✓

x

	584.52		
3650		41	583.4 ✓
6110		2.4	82.1 ✓
640		5.1	79.4 ✓
110		7.8	76.7 ✓
630		11.7	72.8 ✓
110		8.5	76.0 ✓
620		9.0	75.5 ✓
110		9.7	74.8 ✓
610		10.6	73.9 ✓
110		10.3	74.2 ✓
600		10.8	73.7 ✓
110		13.4	71.1 ✓
590		13.3	71.2 ✓
110		12.0	72.5 ✓
580		9.14	575.38 ✓
110			
570			
110			
560			
110			
550			
110			
540			
110			
530			
110			
520			
110			
T.P.A.			

End June 6-1932

X

B.M.	6.62	576.88 ✓	570.26 ✓
T.P.A.		1.49	575.39 <sup>Previous</sup> 575.38
	11.26	586.65 ✓	
B.M.		2.32	584.33 ✓
		2.65	584.00 ✓
	4.95	588.85 ✓	
B.M.		3.42	585.43 ✓
T.P.		4.95	584.00 ✓

Start June 8-1932

Check

N 3623  
E 6135 ±

Set B.M. on Boulder

Set B.M. on Oak stump

584.00

1.53

585.53

1.20	584.33	= check	B.M. El. 584.33
10.14	575.39	= check	T.P.A. 575.39
2.0	83.5	✓	
5.3	80.2	✓	
7.2	78.3	✓	
8.7	76.8	✓	
9.4	76.1	✓	
10.0	75.5	✓	
10.5	75.0	✓	
10.8	74.7	✓	
10.9	74.6	✓	
11.0	74.5	✓	
13.5	72.0	✓	
13.9	71.6	✓	
11.7	73.8	✓	
12.2	73.3	✓	
13.9	71.6	✓	
11.1	74.4	✓	
12.8	72.7	✓	
12.4	73.1	✓	
10.4	75.1	✓	
10.2	75.3	✓	

3640  
6120  
630  
120  
620  
120  
610  
120  
600  
120  
590  
120  
580  
120  
570  
120  
560  
120  
550  
120  
540  
120  
530  
120  
3520  
6120  
3500  
6130  
510  
130  
520  
130  
530  
130  
540  
130  
550  
130  
560  
130

X

588.53

3570			
6130	10.4	575.1	✓
580			
130	10.3	75.2	✓
590			
130	9.4	76.1	✓
600			
130	9.0	76.5	✓
610			
130	8.1	77.4	✓
620			
130	7.5	78.0	✓
630			
130	5.0	80.5	✓
3640			
6130	1.0	84.5	✓
3630			
6140	2.0	83.5	✓
620			
140	4.3	81.2	✓
610			
140	6.7	78.8	✓
600			
140	8.4	77.1	✓
590			
140	9.0	76.5	✓
580			
140	9.3	76.2	✓
570			
140	9.5	76.0	✓
560			
140	9.8	75.7	✓
550			
140	10.7	74.8	✓
540			
140	11.1	74.4	✓
530			
140	12.1	73.4	✓
520			
140	10.8	74.7	✓
510			
140	10.8	74.7	✓
500			
140	11.3	74.2	✓
490			
140	12.0	73.5	✓
480			
140	13.0	72.5	✓

x

585.53

3480	
6150	11.7 573.8 ✓
490	
150	11.2 74.3 ✓
500	
150	10.6 74.9 ✓
510	
150	10.5 75.0 ✓
520	
150	10.6 74.9 ✓
530	
150	11.6 73.9 ✓
540	
150	10.1 75.4 ✓
550	
150	10.8 74.7 ✓
560	
150	9.3 76.2 ✓
570	
150	9.2 76.3 ✓
580	
150	8.8 76.7 ✓
590	
150	8.3 77.2 ✓
600	
150	7.1 78.4 ✓
610	
150	4.4 81.1 ✓
3620	
6150	2.4 83.1 ✓
3620	
4160	1.8 83.7 ✓
610	
160	2.2 83.3 ✓
600	
160	4.7 80.8 ✓
590	
160	6.9 78.6 ✓
580	
160	8.1 77.4 ✓
570	
160	8.8 76.7 ✓
560	
160	9.3 76.2 ✓
550	
160	9.8 75.7 ✓
540	
160	10.0 75.5 ✓

x

585.53

3530		
6160	11.2	574.3 ✓
520		
160	11.0	74.5 ✓
510		
160	10.0	75.5 ✓
500		
160	10.5	75.0 ✓
490		
160	10.6	74.9 ✓
480		
160	10.9	74.6 ✓
470		
160	11.2	74.3 ✓
3460		
6160	11.5	74.0 ✓
3450		
6170	11.4	74.1 ✓
460		
170	10.7	74.8 ✓
470		
170	10.6	74.9 ✓
480		
170	10.5	75.0 ✓
490		
170	10.5	75.0 ✓
500		
170	10.4	75.1 ✓
510		
170	10.0	75.5 ✓
520		
170	10.9	74.6 ✓
530		
170	10.1	75.4 ✓
540		
170	10.2	75.3 ✓
550		
170	9.4	76.1 ✓
560		
170	8.7	76.8 ✓
570		
170	7.9	77.6 ✓
580		
170	7.1	78.4 ✓
590		
170	5.7	79.8 ✓
600		
170	2.8	82.7 ✓
610		
170	2.4	83.1 ✓

x

585.53

3610 6180	3.3	582.2 ✓
600 180	2.7	82.8 ✓
590 180	2.9	82.6 ✓
580 180	4.6	80.9 ✓
570 180	6.9	78.6 ✓
560 180	8.0	77.5 ✓
550 180	8.7	76.8 ✓
540 180	8.9	76.6 ✓
530 180	9.2	76.3 ✓
520 180	10.3	75.2 ✓
510 180	9.9	75.6 ✓
500 180	10.3	75.2 ✓
490 180	10.5	75.0 ✓
480 180	10.3	75.2 ✓
470 180	10.3	575.2 ✓
460 180	10.3	75.2 ✓
450 180	10.4	75.1 ✓
440 180	10.8	74.7 ✓
3430 6180	12.0	73.5 ✓
3420 6190	11.2	74.3 ✓
430 190	10.3	75.2 ✓
440 190	10.2	75.3 ✓
450 190	10.2	75.3 ✓
460 190	10.3	75.2 ✓
470 190	10.2	75.3 ✓

X

585.53

3480 6190	10.3	575.2 ✓
490 190	10.3	75.2 ✓
500 190	10.0	75.5 ✓
510 190	9.9	75.6 ✓
520 190	9.3	76.2 ✓
530 190	8.5	77.0 ✓
540 190	7.8	77.7 ✓
550 190	7.2	78.3 ✓
560 190	6.8	78.7 ✓
570 190	5.9	79.6 ✓
580 190	2.6	82.9 ✓
590 190	2.6	82.9 ✓
600 190	2.5	83.0 ✓
3610 6190	2.9	82.6 ✓
3610 6200	1.9	83.6 ✓
600 200	2.9	82.6 ✓
590 200	2.2	83.3 ✓
580 200	2.9	82.6 ✓
570 200	3.0	82.5 ✓
560 200	5.5	80.0 ✓
550 200	6.4	79.1 ✓
540 200	7.4	78.1 ✓
530 200	8.3	77.2 ✓
520 200	8.6	76.9 ✓
510 200	9.4	76.1 ✓

x

585.53

3500			
6200	10.0	575.5	✓
490			
200	10.1	75.4	✓
480			
200	10.2	75.3	✓
470			
200	10.4	75.1	✓
460			
200	10.4	75.1	✓
450			
200	10.2	75.3	✓
440			
200	10.1	75.4	✓
430			
200	10.1	75.4	✓
420			
200	10.4	75.1	✓
410			
200	11.0	74.5	✓
3400			
6200	13.5	72.0	✓
3400			
6210	10.3	75.2	✓
410			
210	10.2	75.3	✓
420			
210	10.1	75.4	✓
430			
210	10.1	75.4	✓
440			
210	10.3	75.2	✓
450			
210	10.4	75.1	✓
460			
210	9.9	75.6	✓
470			
210	9.8	75.7	✓
480			
210	9.7	75.8	✓
490			
210	9.9	75.6	✓
500			
210	9.6	75.9	✓
510			
210	8.9	76.6	✓
520			
210	8.5	77.0	✓
530			
210	8.2	77.3	✓

June 8, 1932  
 Elliott - Notes  
 Simpson-Level  
 Soper - Rod  
 Remmen-Tape

x

585 53

3540		
6210	7.3	57.9.2 ✓
550		
210	6.4	79.1 ✓
560		
210	3.8	81.7 ✓
570		
210	3.2	82.3 ✓
580		
210	2.8	82.7 ✓
590		
210	2.4	83.1 ✓
600		
210	1.5	84.0 ✓
3610		
6210	0.6	84.9 ✓
3390		
6220	10.3	75.2 ✓
400		
220	10.1	75.4 ✓
410		
220	10.1	75.4 ✓
420		
220	10.0	75.5 ✓
430		
220	10.2	75.3 ✓
440		
220	10.3	75.2 ✓
450		
220	9.7	75.8 ✓
460		
220	9.3	76.2 ✓
470		
220	9.3	76.2 ✓
480		
220	9.5	76.0 ✓
490		
220	9.2	76.3 ✓
500		
220	9.0	76.5 ✓
510		
220	8.5	77.0 ✓
520		
220	7.7	77.8 ✓
540		
220	7.0	78.5 ✓
550		
220	4.2	81.3 ✓
560		
220	3.7	81.8 ✓

58553

3570			
6220	2.9	582.6	✓
580			
220	2.7	82.8	✓
590			
220	0.3	85.2	✓
3600			
6220	11.7	87.2	✓
3380			
6230	10.3	75.2	✓
390			
230	10.3	75.2	✓
400			
230	10.1	75.4	✓
410			
230	10.1	75.4	✓
420			
230	10.3	75.2	✓
430			
230	9.7	75.8	✓
440			
230	9.3	76.2	✓
450			
230	9.2	76.3	✓
460			
230	9.2	76.3	✓
470			
230	9.6	75.9	✓
480			
230	9.4	76.1	✓
490			
230	8.8	76.7	✓
500			
230	8.9	76.6	✓
510			
230	8.7	76.8	✓
520			
230	7.9	77.6	✓
530			
230	7.4	78.1	✓
540			
230	4.8	80.7	✓
550			
230	4.3	81.2	✓
560			
230	3.7	81.8	✓
570			
230	2.7	82.8	✓
580			
230	2.3	83.2	✓

X

585.53

3580			
6240	1.0	584.5	✓
570			
240	2.6	82.9	✓
560			
240	3.4	82.1	✓
550			
240	4.3	81.2	✓
540			
240	4.9	80.6	✓
530			
240	5.3	80.2	✓
520			
240	6.8	78.7	✓
510			
240	8.6	76.9	✓
500			
240	8.9	76.6	✓
490			
240	9.0	76.5	✓
480			
240	8.9	76.6	✓
470			
240	9.2	76.3	✓
460			
240	9.3	76.2	✓
450			
240	9.0	76.5	✓
440			
240	8.8	76.7	✓
430			
240	8.7	76.8	✓
420			
240	7.6	75.9	✓
410			
240	10.1	75.4	✓
400			
240	10.1	75.4	✓
390			
240	10.4	75.1	✓
380			
240	10.2	75.3	✓
3370			
6240	10.5	75.0	✓
3360			
6250	7.9	77.6	✓
370			
250	10.2	75.3	✓
380			
250	10.0	75.5	✓

X

585.53

3390			
6250	10.2	575.3	✓
400			
250	10.0	75.5	✓
410			
250	9.2	76.3	✓
420			
250	8.4	77.1	✓
430			
250	8.4	77.1	✓
440			
250	8.9	76.6	✓
450			
250	9.1	76.4	✓
460			
250	8.9	76.6	✓
470			
250	8.8	76.7	✓
480			
250	8.2	77.3	✓
490			
250	8.7	76.6	✓
500			
250	8.7	76.8	✓
510			
250	5.9	79.6	✓
520			
250	5.7	79.8	✓
530			
250	5.2	80.3	✓
540			
250	4.7	80.8	✓
550			
250	4.2	81.3	✓
3560			
6250	2.8	82.7	✓
3560			
6260	0.4	85.1	✓
550			
260	3.1	82.4	✓
540			
260	4.5	81.0	✓
530			
260	5.0	80.5	✓
520			
260	5.5	80.0	✓
510			
260	6.0	79.5	✓
500			
260	6.3	79.2	✓

x

585.53

3490		
6260	8.0	577.5 ✓
480		
260	8.6	76.9 ✓
470		
260	8.4	77.1 ✓
460		
260	8.5	77.0 ✓
450		
260	8.7	76.8 ✓
440		
260	8.8	76.7 ✓
430		
260	8.4	77.1 ✓
420		
260	8.4	77.1 ✓
410		
260	8.6	76.9 ✓
400		
260	9.4	76.1 ✓
390		
260	10.0	75.5 ✓
380		
260	10.0	75.5 ✓
370		
260	10.0	75.5 ✓
360		
260	10.3	75.2 ✓
3350		
6260	11.4	74.1 ✓
3340		
6270	11.4	74.1 ✓
350		
270	10.2	75.3 ✓
360		
270	9.9	75.6 ✓
370		
270	9.8	75.7 ✓
380		
270	9.7	75.8 ✓
390		
270	9.4	76.1 ✓
400		
270	9.2	76.3 ✓
410		
270	8.3	77.2 ✓
420		
270	8.3	77.2 ✓

x

585.53

3430			
6270	8.7	576.8	✓
440			
270	8.6	76.9	✓
450			
270	8.0	77.5	✓
460			
270	7.9	77.6	✓
470			
270	8.0	77.5	✓
480			
270	6.4	79.1	✓
490			
270	6.5	79.0	✓
500			
270	6.1	79.4	✓
510			
270	5.5	80.0	✓
520			
270	4.5	81.0	✓
530			
270	4.7	80.8	✓
540			
270	3.5	82.0	✓
3550			
6270	1.8	83.7	✓
3540			
4280	1.5	84.0	✓
530			
280	3.3	82.2	✓
520			
280	3.4	82.1	✓
510			
280	5.1	80.4	✓
500			
280	5.2	80.3	✓
490			
280	6.0	79.5	✓
480			
280	6.6	78.9	✓
470			
280	6.8	78.7	✓
460			
280	7.4	78.1	✓
450			
280	7.7	77.8	✓
440			
280	7.8	77.7	✓
430			
280	8.5	77.0	✓

x

585.53

3420		8.8	576.7 ✓
6280			
410		8.3	77.2 ✓
280			
400		8.6	76.9 ✓
280			
390		9.2	76.3 ✓
280			
380		7.5	76.0 ✓
280			
370		9.5	76.0 ✓
280			
360		9.6	75.9 ✓
280			
350		10.0	75.5 ✓
280			
340		9.8	75.7 ✓
280			
330		10.5	75.0 ✓
280			
3320		13.2	72.3 ✓
6280			
3300		12.5	73.0 ✓
6290			
310		10.1	75.4 ✓
290			
320		10.7	74.8 ✓
290			
330		10.4	75.1 ✓
290			
340		9.7	75.8 ✓
290			
350		9.2	76.3 ✓
290			
360		9.4	76.1 ✓
290			
370		9.5	76.0 ✓
290			
380		9.3	76.2 ✓
290			
390		8.8	76.7 ✓
290			
400		8.3	77.2 ✓
290			
410		8.6	76.9 ✓
290			
420		8.6	76.9 ✓
290			
430		8.2	77.3 ✓
290			

x

585.53

3440		
6290	7.8	577.7 ✓
450		
290	7.4	78.1 ✓
460		
290	7.2	78.3 ✓
470		
290	6.8	78.7 ✓
480		
290	6.0	79.5 ✓
490		
290	5.4	80.1 ✓
500		
290	4.4	81.1 ✓
510		
290	4.7	80.8 ✓
520		
290	3.6	81.9 ✓
530		
290	2.3	83.2 ✓
3540		
6290	+ 0.4	85.9 ✓
3530		
6300	1.3	84.2 ✓
520		
300	2.5	83.0 ✓
510		
300	4.1	81.4 ✓
500		
300	3.0	82.5 ✓
490		
300	4.7	80.8 ✓
480		
300	5.7	79.8 ✓
470		
300	6.1	79.4 ✓
460		
300	7.2	78.3 ✓
450		
300	7.5	78.0 ✓
440		
300	7.8	77.7 ✓
430		
300	8.2	77.3 ✓
420		
300	8.4	77.1 ✓
410		
300	8.7	76.8 ✓

X

585.53

3400			
6300	8.5	577.0	✓
390			
300	8.6	76.9	✓
380			
300	8.7	76.8	✓
370			
300	9.3	76.2	✓
360			
300	9.1	76.4	✓
350			
300	9.0	76.5	✓
340			
300	9.3	76.2	✓
330			
300	9.7	75.8	✓
320			
300	10.7	74.8	✓
310			
300	10.6	74.9	✓
300			
300	10.2	75.3	✓
290			
300	9.7	75.8	✓
3280			
6300	10.1	75.4	✓
3280			
6310	9.5	76.0	✓
290			
310	9.6	75.9	✓
300			
310	10.5	75.0	✓
310			
310	11.4	74.1	✓
320			
310	10.7	74.8	✓
330			
310	9.4	76.1	✓
340			
310	9.1	76.4	✓
350			
310	8.9	76.6	✓
360			
310	9.2	76.3	✓
370			
310	9.1	76.4	✓
380			
310	8.4	77.1	✓

X

585.53

3370			
6310	8.5	577.0	✓
400			
310	8.5	77.0	✓
410			
310	8.4	77.1	✓
420			
310	8.1	77.4	✓
430			
310	7.9	77.6	✓
440			
310	7.3	78.2	✓
450			
310	6.8	78.7	✓
460			
310	6.3	79.2	✓
470			
310	5.6	79.9	✓
480			
310	4.9	80.6	✓
490			
310	3.1	82.4	✓
500			
310	1.7	83.8	✓
510			
310	3.8	81.7	✓
520			
310	1.7	83.8	✓
3530			
6310	0.5	85.0	✓
3520			
6320	10.3	85.8	✓
510			
320	0.0	85.5	✓
500			
320	2.3	83.2	✓
490			
320	2.9	82.6	✓
480			
320	4.2	81.3	✓
470			
320	5.3	80.2	✓
460			
320	6.8	78.7	✓
450			
320	6.8	78.7	✓
440			
320	7.1	78.4	✓

x

585.53

3430			
6320	7.5	578.0	✓
420			
320	7.7	77.6	✓
410			
320	8.2	77.3	✓
400			
320	8.3	77.2	✓
390			
320	8.5	77.0	✓
380			
320	8.3	77.2	✓
370			
320	8.4	77.1	✓
360			
320	7.1	76.4	✓
350			
320	9.0	76.5	✓
340			
320	9.1	76.4	✓
330			
320	9.4	76.1	✓
320			
320	11.3	74.2	✓
310			
320	11.4	74.1	✓
300			
320	10.7	74.8	✓
290			
320	9.7	75.8	✓
280			
320	9.6	75.9	✓
270			
320	9.4	76.1	✓
3260			
6320	12.6	72.9	✓
3250			
6330	12.2	73.3	✓
260			
330	9.4	76.1	✓
270			
330	9.6	75.9	✓
280			
330	9.7	75.8	✓
290			
330	10.3	75.2	✓
300			
330	10.7	74.8	✓

x

585.53

3310		
6330	10.9	574.6 ✓
320		
330	10.6	74.9 ✓
330		
330	9.0	76.5 ✓
330		
340	8.8	76.7 ✓
330		
350	9.0	76.5 ✓
330		
360	8.8	76.7 ✓
330		
370	8.5	77.0 ✓
330		
380	8.4	77.1 ✓
330		
390	8.4	77.1 ✓
330		
400	8.2	77.3 ✓
330		
410	7.9	77.6 ✓
330		
420	7.6	77.9 ✓
330		
430	7.5	78.0 ✓
330		
440	6.7	78.8 ✓
330		
450	6.5	79.0 ✓
330		
460	5.9	79.6 ✓
330		
470	4.8	80.7 ✓
330		
480	3.3	82.2 ✓
330		
490	1.8	83.7 ✓
330		
3500		
6330	0.4	85.1 ✓
3490		
6340	0.4	85.1 ✓
480		
340	2.1	83.4 ✓
470		
340	3.4	82.1 ✓
460		
340	4.8	80.7 ✓
450		
340	5.6	79.9 ✓

x

585.53

3440			
6340	6.2	579.3	✓
430	6.7	78.8	✓
340			
420	7.5	78.0	✓
340			
440	7.5	78.0	✓
340			
400	7.8	77.7	✓
340			
390	7.9	77.6	✓
340			
380	8.1	77.4	✓
340			
370	8.3	77.2	✓
340			
360	8.7	76.8	✓
340			
350	8.6	76.9	✓
340			
340	8.3	77.2	✓
340			
330	8.6	76.9	✓
340			
320	9.8	75.7	✓
340			
310	10.7	74.8	✓
340			
300	9.9	75.6	✓
340			
290	10.4	75.1	✓
340			
280	10.3	75.2	✓
340			
270	10.0	75.5	✓
340			
260	9.8	75.7	✓
340			
250	9.4	76.1	✓
340			
3240	9.5	76.0	✓
6340			
3230	9.8	75.7	✓
6350			
240	9.7	75.8	✓
350			
250	10.4	75.1	✓
350			

x

585.53

3260			
6350	10.5	575.0	✓
270			
350	10.4	75.1	✓
280			
350	10.0	75.5	✓
290			
350	9.6	75.9	✓
300			
350	9.9	75.6	✓
310			
350	10.4	75.1	✓
320			
350	9.9	75.6	✓
330			
350	8.5	77.0	✓
340			
350	8.5	77.0	✓
350			
350	8.7	76.8	✓
360			
350	8.3	77.2	✓
370			
350	7.8	77.7	✓
380			
350	7.7	77.8	✓
390			
350	7.7	77.8	✓
400			
350	7.4	78.1	✓
410			
350	7.5	78.0	✓
420			
350	6.7	78.8	✓
430			
350	6.0	79.5	✓
440			
350	5.7	79.8	✓
450			
350	4.8	80.7	✓
460			
350	3.7	81.8	✓
470			
350	2.1	83.4	✓
3480			
6350	0.8	84.7	✓

x

585.53

3480	0.0	585.5 ✓
6360		
470	0.9	84.6 ✓
360		
460	2.1	83.4 ✓
360		
450	3.3	82.2 ✓
360		
440	4.5	81.0 ✓
360		
430	5.1	80.4 ✓
360		
420	5.7	79.8 ✓
360		
410	6.4	79.1 ✓
360		
400	7.4	78.1 ✓
360		
390	7.3	78.2 ✓
360		
380	7.8	77.7 ✓
360		
370	7.8	77.7 ✓
360		
360	7.7	77.8 ✓
360		
350	8.0	77.5 ✓
360		
340	7.8	77.7 ✓
360		
330	8.4	77.1 ✓
360		
320	10.3	75.2 ✓
360		
310	10.1	75.4 ✓
360		
300	9.7	75.8 ✓
360		
290	9.1	76.4 ✓
360		
280	9.1	76.4 ✓
360		
270	9.4	76.1 ✓
360		
260	9.6	75.9 ✓
360		
250	10.0	75.5 ✓
360		

x

585.53

3240		
6360	9.8	575.7 ✓
230		
360	9.5	76.0 ✓
220		
360	9.6	75.9 ✓
3210		
6360	13.0	72.5 ✓
3200		
6370	12.6	72.9 ✓
210		
370	9.7	75.8 ✓
220		
370	9.2	76.3 ✓
230		
370	9.4	76.1 ✓
240		
370	9.7	75.8 ✓
250		
370	9.7	75.8 ✓
260		
370	9.1	76.4 ✓
270		
370	8.4	77.1 ✓
280		
370	8.3	77.2 ✓
290		
370	8.9	76.6 ✓
300		
370	9.6	75.9 ✓
310		
370	9.8	75.7 ✓
320		
370	10.0	75.5 ✓
330		
370	8.2	77.3 ✓
340		
370	7.3	78.2 ✓
350		
370	7.7	77.8 ✓
360		
370	7.8	77.7 ✓
370		
370	7.7	77.8 ✓
380		
370	7.2	78.3 ✓
390		
370	6.8	78.7 ✓

X

585.53

3400				
6370		6.1	579.4	✓
410				
370		5.4	80.1	✓
420				
370		4.6	80.9	✓
430				
370		3.8	81.7	✓
440				
370		2.8	82.7	✓
450				
370		1.7	83.8	✓
3460				
6370		0.8	84.7	✓ x

End June 8

0.64

576.03

575.39 T.P.A.

Start June 9

3590				
6070		7.8	568.2	✓
580				
070		8.4	69.6	✓
570				
070		9.0	67.0	✓
560				
070		9.9	66.1	✓
550				
070		8.7	67.3	✓
540				
070		9.9	66.1	✓
530				
070		8.0	68.0	✓
520				
070		11.2	64.8	✓
510				
070		12.0	64.0	✓
500				
070		12.9	63.1	✓
490				
070		14.2	61.8	✓
T.P.	10.44	573.51	12.96	563.07
480				
070		11.3	62.2	✓
470				
070		12.1	61.4	✓

X

573.51

3460			
6070	13.5	560.0	✓
450			
070	13.6	599	✓
440			
070	12.9	60.6	✓
430			
070	13.0	60.5	✓
420			
070	13.4	60.1	✓
410			
070	12.9	60.6	✓
3400			
6070	11.8	61.7	✓
3550			
6080	4.9	68.6	✓
540			
080	6.1	67.4	✓
530			
080	4.7	68.8	✓
520			
080	4.7	68.8	✓
510			
080	8.3	65.2	✓
500			
080	9.3	64.2	✓
490			
080	11.4	62.1	✓
480			
080	11.6	61.9	✓
470			
080	11.0	62.5	✓
460			
080	10.9	62.6	✓
450			
080	13.3	60.2	✓
440			
080	13.1	60.4	✓
430			
080	12.9	60.6	✓
420			
080	12.9	60.6	✓
410			
080	13.1	60.4	✓
400			
080	13.1	60.4	✓
390			
080	12.2	61.3	✓
380			
080	11.2	62.3	✓

X

573.51

3370 6090			10.5	563.0 ✓
380 090			12.2	61.3 ✓
370 090			13.0	60.5 ✓
400 090			13.1	60.4 ✓
410 090			12.7	60.8 ✓
420 090			13.0	60.5 ✓
430 090			13.2	60.3 ✓
440 090			13.4	60.1 ✓
450 090			11.6	61.9 ✓
460 090			11.0	62.5 ✓
470 090			11.4	62.1 ✓
480 090			11.1	62.4 ✓
490 090			9.2	64.3 ✓
500 090			8.5	65.0 ✓
510 090			5.2	68.3 ✓
520 090			4.7	68.8 ✓
530 090			4.0	69.5 ✓
540 090			5.0	68.5 ✓
3550 6090			3.8	69.7 ✓
T.P.	0.58	573.09	1.00	572.51
3540 6100			3.1	70.0 ✓
530 100			2.2	70.9 ✓
520 100			2.5	70.6 ✓
510 100			3.6	69.5 ✓
500 100			6.1	67.0 ✓

X

June 9-1932

Elliott - Notes

Simpson - Level

Soper - Rad

Temmen - Tape

573.09

3490			
6100	6.9	566.2	✓
480			
100	9.7	63.4	✓
470			
100	10.6	62.5	✓
460			
100	10.6	62.5	✓
450			
100	10.2	62.9	✓
440			
100	11.3	61.8	✓
430			
100	12.9	60.2	✓
420			
100	12.7	60.4	✓
410			
100	12.3	60.8	✓
400			
100	12.3	60.8	✓
390			
100	12.4	60.7	✓
380			
100	12.4	60.7	✓
370			
100	12.5	60.6	✓
3360			
6100	11.0	62.1	✓
3510			
6110	4.3	68.8	✓
300			
110	5.6	67.5	✓
490			
110	5.7	67.4	✓
480			
110	8.0	65.1	✓
470			
110	9.4	63.7	✓
460			
110	10.6	62.5	✓
450			
110	10.4	62.7	✓
440			
110	10.5	62.6	✓
430			
110	11.1	62.0	✓
420			
110	12.7	60.4	✓
410			
110	12.8	60.3	✓

X

573.09

3400			
6110	12.4	560.7	✓
390			
110	12.3	60.8	✓
380			
110	12.4	60.7	✓
370			
110	12.3	60.8	✓
360			
110	12.3	60.8	✓
3350			
6110	10.4	62.7	✓
3510			
6120	4.0	69.1	✓
500			
120	2.0	71.1	✓
490			
120	3.0	70.1	✓
480			
120	4.5	68.6	✓
470			
120	8.7	64.4	✓
460			
120	9.5	63.6	✓
450			
120	10.2	62.9	✓
440			
120	10.5	62.6	✓
430			
120	11.4	61.7	✓
420			
120	9.7	63.4	✓
410			
120	12.2	60.9	✓
400			
120	12.8	60.3	✓
390			
120	12.6	60.5	✓
380			
120	12.1	61.0	✓
370			
120	12.1	61.0	✓
360			
120	12.3	60.8	✓
350			
120	12.3	60.8	✓
340			
120	12.1	61.0	✓
330			
120	10.5	62.6	✓

X

573.09

3490		0.2	572.9	✓
6130				
480		3.7	69.4	✓
130				
470		4.1	69.0	✓
130				
460		7.4	65.7	✓
130				
450		9.6	63.5	✓
130				
440		9.9	63.2	✓
130				
430		10.7	62.4	✓
130				
420		11.1	62.0	✓
130				
410		10.8	62.3	✓
130				
400		11.7	61.4	✓
130				
390		12.6	60.5	✓
130				
380		12.1	61.0	✓
130				
370		12.1	61.0	✓
130				
360		12.4	60.7	✓
130				
350		12.4	60.7	✓
130				
340		12.3	60.8	✓
130				
330		11.0	62.1	✓
130				
320		12.3	560.8	✓
130				
3310		10.9	62.2	✓
6130				
3290		9.6	63.5	✓
6140				
300		10.7	62.4	✓
140				
310		11.0	62.1	✓
140				
320		10.5	62.6	✓
140				
330		11.3	61.8	✓
140				
340		12.3	60.8	✓
140				

Flow Line of 24" Dia. Pipe

X

573.09

3350			
6140	12.0	561.1	✓
360			
140	12.0	61.1	✓
370			
140	12.2	60.9	✓
380			
140	12.5	60.6	✓
390			
140	11.4	61.7	✓
400			
140	10.8	62.3	✓
410			
140	11.0	62.1	✓
420			
140	10.6	62.5	✓
430			
140	9.7	63.4	✓
440			
140	8.7	64.4	✓
450			
140	5.8	67.3	✓
460			
140	3.3	69.8	✓
3470			
6140	1.9	71.2	✓
3470			
6150	+0.5	73.6	✓
460			
150	1.6	71.5	✓
450			
150	3.7	69.4	✓
440			
150	6.0	67.1	✓
430			
150	8.2	64.9	✓
420			
150	9.9	63.2	✓
410			
150	11.1	62.0	✓
400			
150	10.4	62.7	✓
390			
150	11.3	61.8	✓
380			
150	11.0	62.1	✓
370			
150	11.5	61.6	✓
360			
150	12.2	60.9	✓

x

573.09

3350			
6150	12.1	561.0	✓
340			
150	12.1	61.0	✓
330			
150	12.2	60.9	✓
320			
150	11.2	61.9	✓
310			
150	10.4	62.7	✓
300			
150	12.1	61.0	✓
3290			
6150	12.0	61.1	✓
3280			
6160	11.7	61.4	✓
290			
160	11.8	61.3	✓
300			
160	11.1	62.0	✓
310			
160	10.6	62.5	✓
320			
160	11.9	61.2	✓
330			
160	12.3	60.8	✓
340			
160	12.0	61.1	✓
350			
160	12.5	60.6	✓
360			
160	11.2	61.9	✓
370			
160	11.5	61.6	✓
380			
160	11.4	61.7	✓
390			
160	10.8	62.3	✓
400			
160	10.9	62.2	✓
410			
160	10.6	62.5	✓
420			
160	6.3	66.8	✓
430			
160	5.2	67.9	✓
440			
160	3.1	70.0	✓
450			
160	1.7	71.4	✓

X

573.09.

3440			
6170	1.5	5	71.6 ✓
430			
170	2.5		70.6 ✓
420			
170	4.0		69.1 ✓
410			
170	5.8		67.3 ✓
400			
170	8.8		64.3 ✓
390			
170	10.5		62.6 ✓
380			
170	11.0		62.1 ✓
370			
170	10.8		62.3 ✓
360			
170	11.4		61.7 ✓
350			
170	10.6		62.5 ✓
340			
170	11.8		61.3 ✓
330			
170	12.1		61.0 ✓
320			
170	12.0		61.1 ✓
310			
170	11.2		61.9 ✓
300			
170	10.8		62.3 ✓
290			
170	11.1		62.0 ✓
280			
170	11.9		61.2 ✓
3270			
6170	11.8		61.3 ✓
3260			
6180	11.9		61.2 ✓
270			
180	11.7		61.4 ✓
280			
180	11.8		61.3 ✓
290			
180	10.7		62.4 ✓
300			
180	10.8		62.3 ✓
310			
180	12.2		60.9 ✓
320			
180	11.9		61.2 ✓

x

573.09

2330			
6180			
340	11.2	561.9	✓
180	10.5	62.6	✓
350			
180	11.1	62.0	✓
360			
180	11.0	62.1	✓
370			
180	10.5	62.6	✓
380			
180	10.7	62.4	✓
390			
180	8.6	64.5	✓
400			
180	5.8	67.3	✓
410			
180	4.0	69.1	✓
3420			
6180	2.3	70.8	✓
3410			
6190	2.1	71.0	✓
400			
190	4.0	69.1	✓
390			
190	6.6	66.5	✓
380			
190	8.5	64.6	✓
370			
190	11.3	61.8	✓
360			
190	11.0	62.1	✓
350			
190	11.0	62.1	✓
340			
190	10.9	62.2	✓
330			
190	10.6	62.5	✓
320			
190	11.5	61.6	✓
310			
190	12.0	61.1	✓
300			
190	12.0	61.1	✓
290			
190	10.9	62.2	✓
280			
190	10.7	62.4	✓
270			
190	11.8	61.3	✓

x

573.09

3260			
6190	11.7	561.4	✓
250			
190	11.9	61.2	✓
3230			
6200	10.8	62.3	✓
240			
200	11.8	61.3	✓
250			
200	11.8	61.3	✓
260			
200	11.8	61.3	✓
270			
200	11.7	61.4	✓
280			
200	10.8	62.3	✓
290			
200	11.8	61.3	✓
300			
200	12.0	61.1	✓
310			
200	11.9	61.2	✓
320			
200	10.6	62.5	✓
330			
200	10.4	62.7	✓

1.19

573.70

572.51

340			
200	11.5	62.2	✓
350			
200	11.5	62.2	✓
360			
200	11.2	62.5	✓
370			
200	8.0	65.7	✓
380			
200	5.0	68.7	✓
3390			
6200	3.0	70.7	✓
3390			
6210	1.7	72.0	✓
380			
210	3.0	70.7	✓
370			
210	5.3	68.4	✓
360			
210	6.6	67.1	✓

Continued in Book 352

x

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder  
stake for any width roadway, slope 1 1/2 to 1.  
If ground is nearly level, the cut or fill at side  
stake is located by the double entry method in  
the column and top row. The number in both

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IMPROVED TABLES

AND

INFORMATION

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TABLE No. 2.

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.  
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.  
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.

