

W353

W353

FIELD BOOK

No. 385

353

MICROFILMED

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

Original X Sections, Continued, of Dumping Area
for Diversion Tunnel & Toe Wall Wastes 1-65

Original X Sections Extended over dumping
area north of river and upstream from
upstream toe wall 67-78

Continued from Book 352

565.63

N3760			
E3610	10.3	555.3	✓
750			
610	10.4	55.2	✓
740			
610	7.8	57.8	✓
730			
610	7.0	58.6	✓
720			
610	7.3	58.3	✓
710			
610	6.8	58.8	✓
700			
610	6.4	59.2	✓
690			
610	7.0	58.6	✓
680			
610	7.0	58.6	✓
670			
610	6.7	58.9	✓
660			
610	6.7	58.9	✓
650			
610	7.5	58.1	✓
640			
610	7.6	58.0	✓
630			
610	8.4	57.2	✓
620			
610	9.2	56.4	✓
610			
610	8.9	56.7	✓
600			
610	11.3	54.3	✓
590			
610	12.7	52.9	✓
760			
600	9.5	56.1	✓
750			
600	10.6	55.0	✓
740			
600	8.4	57.2	✓
730			
600	6.9	58.7	✓
720			
600	7.4	58.2	✓
710			
600	7.2	58.4	✓

X

565.63

3700			
3600			
690		6.6	559.0
600		5.8	59.8
680			
600		6.5	59.1
670			
600		7.2	58.4
660			
600		7.2	58.4
650			
600		7.6	58.0
640			
600		7.6	58.0
630			
600		7.9	57.7
620			
600		8.9	56.7
610			
600		10.4	55.2
600			
600		11.7	53.9
590			
600		12.7	52.9

Set B.M.

6.24 559.39

Coordinate about ^{N3480} E3640

11.57 570.96

End June 14 - 1932

B.M.

7.32 563.64

Record
563.65

Start June 15 - 1932

B.M. 9.58 568.97

559.39

N 3430
E 3850

16.3 52.7

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

420

10.1 58.9

850

410

8.5 60.5

850

400

6.0 63.0

850

390

3.3 65.7

850

380

1.3 67.7

850

370

1.6 67.4

850

360

+2.3 71.3

850

X

568.97

3360		
3840	+2.4	571.4
370		
840	1.6	67.4
380		
840	1.0	68.0
390		
840	3.7	65.3
400		
840	5.7	63.3
410		
840	8.0	61.0
420		
840	9.8	59.2
430		
840	14.4	54.6
430		
830	14.3	54.7
420		
830	9.8	59.2
410		
830	7.9	61.1
400		
830	5.4	63.6
390		
830	4.0	65.0
380		
830	1.1	67.9
370		
830	1.9	67.1
360		
830	+2.9	71.9
360		
820	+2.3	71.3
370		
820	2.1	66.9
380		
820	1.4	67.6
390		
820	3.9	65.1
400		
820	4.8	64.2
410		
820	8.2	60.8
420		
820	10.2	58.8
430		
820	15.7	53.3

X

568.97

17

58

4

3430		
3810	15.4	553.6
420		
810	10.2	58.8
410		
810	8.7	60.3
400		
810	4.8	64.2
390		
810	4.0	65.0
380		
810	1.9	67.1
370		
810	2.1	66.9
360		
810	+2.3	71.3
360		
800	+2.8	71.8
370		
800	2.0	71.0
380		
800	1.7	67.3
390		
800	3.6	65.4
400		
800	4.9	64.1
410		
800	7.9	61.1
420		
800	10.1	58.9
430		
800	15.2	53.8
430		
790	14.2	54.8
420		
790	9.8	59.2
410		
790	7.5	61.5
400		
790	4.8	64.2
390		
790	2.5	66.5
380		
790	1.6	67.4
370		
790	1.8	67.2
360		
790	+3.1	72.1

X

568.97

3360		
3780	+3.1	572.1
370	1.6	67.4
380	1.4	67.6
780	2.2	66.8
390	4.5	64.5
780	7.5	61.5
410	9.5	59.5
420	15.0	54.0
780	14.9	54.1
430	9.5	59.5
770	7.5	61.5
410	4.5	64.5
770	3.9	67.7
400	1.3	67.7
770	0.5	68.5
380	3.6	72.2
770	+3.2	72.2
360	+3.8	72.8
760	+0.2	69.2
370	1.2	67.8
760	1.2	67.8
380	1.6	67.4
760	4.6	64.4
390	7.2	61.8
760	9.5	59.5
420	13.6	55.4
760		
430		
760		

x

568.97

3430		
3750	13.7	555.3
420		
750	8.6	60.4
410		
750	7.3	61.7
400		
750	4.6	64.4
390		
750	0.9	68.1
380		
750	0.9	68.1
370		
750	+1.5	70.5
360		
750	+3.6	72.6
360		
740	+4.0	73.0
370		
740	+1.5	70.5
380		
740	0.6	68.4
390		
740	1.3	67.7
400		
740	4.8	64.2
410		
740	7.0	62.0
420		
740	8.0	61.0
430		
740	13.4	55.6
440		
730	15.3	53.7
430		
730	12.9	56.1
420		
730	7.9	61.1
410		
730	6.9	62.1
400		
730	4.3	64.7
390		
730	0.7	68.3
380		
730	0.6	68.4
370		
730	+1.7	70.7
360		
730	+3.7	72.7

X

568.97

3360			
3720	+3.2	572.2	
370			
720	11.0	70.0	
380			
720	0.4	68.6	
390			
720	1.4	67.6	
400			
720	4.6	64.4	
410			
720	7.4	61.6	
420			
720	10.5	58.5	
430			
720	11.0	58.0	
440			
720	15.7	53.3	
440			
710	14.9	54.1	
430			
710	12.5	56.5	
420			
710	10.6	58.4	
410			
710	8.0	61.0	
400			
710	5.0	64.0	
390			
710	0.9	68.1	
380			
710	0.2	68.8	
370			
710	10.1	69.1	
360			
710	12.2	71.2	
360			
700	12.6	71.6	
370			
700	0.1	68.9	
380			
700	0.4	68.6	
390			
700	0.6	68.4	
400			
700	3.8	65.2	
410			
700	6.9	62.1	
420			
700	10.8	58.2	

X.

568.97

5430		
3700	13.8	555.2
440		
700	14.5	54.5
450		
700	14.3	54.7
450		
690	15.1	53.9
440		
690	14.9	54.1
430		
690	14.5	54.5
420		
670	13.0	56.0
410		
690	8.2	60.8
400		
690	2.9	66.1
390		
690	0.3	68.7
380		
690	0.4	68.6
370		
690	+2.1	71.1
370		
680	15.5	74.5
380		
680	0.2	68.8
390		
680	0.0	69.0
400		
680	6.3	62.7
410		
680	10.7	58.3
420		
680	14.5	54.5
430		
680	15.0	54.0
440		
680	15.2	53.8
450		
680	15.0	54.0
450		
670	16.1	52.9
440		
670	15.8	53.2
430		
670	15.9	53.1
420		
670	15.3	53.7

568.97

3410		
3670	12.1	556.9
400		
670	6.4	62.6
390		
670	+0.3	69.3
380		
670	0.0	69.0
370		
670	+7.0	76.0
370		
660	+4.9	73.9
380		
660	+0.1	69.1
370		
660	+0.5	69.5
400		
660	9.5	59.5
410		
660	16.6	52.4
420		
660	16.1	52.7
430		
660	15.6	53.4
450		
650	13.2	55.8
440		
650	13.0	56.0
430		
650	12.0	57.0
420		
650	16.3	52.7
410		
650	14.2	54.8
400		
650	8.6	60.4
390		
650	+0.2	69.2
380		
650	+0.6	69.6
370		
650	+9.4	78.4
370		
640	+9.8	78.8
380		
640	+0.8	69.8
390		
640	+0.2	69.2

X

568.97

3400		
3640	7.4	561.6
410		
640	14.4	54.6
420		
640	14.7	54.3
430		
640	15.7	53.3
440		
640	15.0	54.0
450		
640	15.7	53.3
450		
630	16.4	52.6
440		
630	16.4	52.6
430		
630	17.3	51.7
420		
630	14.7	54.3
410		
630	10.5	58.5
400		
630	3.4	65.6
390		
630	+0.9	69.9
380		
630	+0.9	69.9
380		
620	+1.7	70.7
390		
620	+1.3	70.3
400		
620	0.4	68.6
410		
620	7.8	61.2
420		
620	11.9	57.1
430		
620	15.0	54.0
440		
620	16.2	52.8
450		
620	15.3	53.7
460		
620	16.2	52.8
460		
610	15.5	53.5
450		
610	15.6	53.4

X

568.97

3840			15.0	554.0
3610				
430			13.2	55.8
610				
420			9.9	59.1
610				
410			5.7	63.3
610				
400			+1.0	70.0
610				
390			+1.3	70.3
610				
390			+2.5	71.5
600				
400			+0.9	69.9
600				
410			+0.4	69.4
600				
420			3.6	65.4
600				
430			8.8	60.2
600				
440			11.5	57.5
600				
450			14.6	54.4
600				
460			15.5	53.5
600				
T.P.	2.32	559.39	11.90	557.07
3430			4.4	55.0
3860				
3440			8.7	50.7
3860				
3440			9.4	50.0
3850				
3440			8.2	51.2
3840				
450			10.3	49.1
840				
460			10.3	49.1
840				
470			10.2	49.2
840				
480			10.4	49.0
840				
490			11.0	48.4
840				
500			11.0	48.4
840				

X

559.39

3510		
3840		
520		
840	10.8	548.6
530	9.7	49.7
840	8.7	50.7
540		
840	9.7	49.7
440		
830	7.9	51.5
450		
830	10.6	48.8
460		
830	10.8	48.6
470		
830	10.3	49.1
480		
830	10.2	49.2
490		
830	10.2	49.2
500		
830	11.1	48.3
510		
830	10.7	48.7
520		
830	10.0	49.4
530		
830	8.9	50.5
540		
830	9.7	49.7
550		
830	9.5	49.9
440		
820	9.2	50.2
450		
820	10.4	49.0
460		
820	10.7	48.7
470		
820	10.4	49.0
480		
820	10.3	49.1
490		
820	10.2	49.2
490		
810	10.3	49.1
480		
810	10.4	49.0
470		
810	10.4	49.0

X

559.39

3460			
3810	10.8	548.6	
450			
810	10.3	49.1	
440			
810	9.4	50.0	
440			
800	9.8	49.6	
450			
800	10.1	49.3	
460			
800	10.8	48.6	
470			
800	10.5	48.9	
480			
800	10.5	48.9	
490			
800	10.4	49.0	
490			
770	10.5	48.9	
480			
790	10.5	48.9	
470			
790	10.6	48.8	
460			
790	10.6	48.8	
450			
790	10.2	49.2	
440			
790	9.6	49.8	
440			
780	9.6	49.8	
450			
780	10.3	49.1	
460			
780	10.8	48.6	
470			
780	10.8	48.6	
480			
780	10.4	49.0	
490			
780	10.5	48.9	
490			
770	10.7	48.7	
480			
770	10.1	49.3	
470			
770	10.9	48.5	
460			
770	10.7	48.7	

X

559.39

3450		
3770	8.7	550.7
440		
770	9.9	49.5
440		
760	9.3	50.1
450		
760	9.9	49.5
460		
760	10.7	48.7
470		
760	10.9	48.5
480		
760	10.1	49.3
490		
760	10.7	48.7
490		
750	10.7	48.7
480		
750	10.2	49.2
470		
750	11.4	48.0
460		
750	11.0	48.4
450		
750	9.7	49.7
440		
750	8.8	50.6
440		
740	7.5	51.9
450		
740	9.3	50.1
460		
740	10.9	48.5
470		
740	11.3	48.1
480		
740	10.7	48.7
490		
740	10.7	48.7
490		
730	10.5	48.9
480		
730	11.0	48.4
470		
730	11.2	48.2
460		
730	10.9	48.5
450		
730	9.6	49.8

X

559.39

3450		
3720	9.7	549.7
460		
720	10.7	48.7
470		
720	11.2	48.2
480		
720	11.2	48.2
490		
720	11.0	48.4
490		
710	10.9	48.5
480		
710	11.4	48.0
490		
710	10.8	48.6
460		
710	9.9	49.5
450		
710	8.4	51.0
460		
700	8.3	51.1
470		
700	10.2	49.2
480		
700	11.1	48.3
490		
700	11.5	47.9
490		
690	11.8	47.6
480		
690	11.0	48.4
470		
690	9.7	49.7
460		
690	8.0	51.4
460		
680	8.0	51.4
470		
680	9.9	49.5
480		
680	10.8	48.6
490		
680	10.6	48.8
460		
670	9.1	50.3
470		
670	10.5	48.9
480		
670	10.2	49.2

X

559.39

3490		
3670	10.9	548.5
500		
670	11.4	48.0
510		
670	11.5	47.9
520		
670	11.2	48.2
530		
670	11.4	48.0
540		
670	11.5	47.9
550		
670	10.8	48.6
560		
670	10.5	48.9
570		
670	9.1	50.3
440		
660	1.3	58.1
450		
660	2.2	57.2
460		
660	7.7	51.7
470		
660	10.6	48.8
480		
660	9.8	49.6
490		
660	10.6	48.8
500		
660	11.5	47.9
510		
660	11.6	47.8
520		
660	11.3	48.1
530		
660	11.5	47.9
540		
660	12.2	47.2
550		
660	10.7	48.7
560		
660	10.5	48.9
570		
660	9.1	50.3
460		
650	8.4	51.0
470		
650	10.2	49.2

X

559.39

3480				
3650			10.7	548.7
470				
650			10.8	48.6
500				
650			11.4	48.0
510				
650			11.7	47.7
520				
650			11.3	48.1
530				
650			11.5	47.9
540				
650			12.1	47.3
550				
650			10.7	48.7
560				
650			10.7	48.7
570				
650			8.7	50.7

B.M. 2.40 561.79 0.00 559.39

3460				
3640			9.8	52.0
470				
640			11.8	50.0
480				
640			12.5	47.3
490				
640			12.9	48.9
500				
640			13.5	48.3
510				
640			14.1	47.7
520				
640			13.7	48.1
530				
640			14.0	47.8
540				
640			14.4	47.4
550				
640			13.3	48.5
560				
640			13.4	48.4
570				
640			11.6	50.2
580				
640			9.9	51.9

B.M. 0.42 559.81 2.40 559.39

Record
 559.39

End June 15-1932

Start June 17-1932

X

559.81			
N3460			
E3630		8.6	55.2
470			
630		10.1	49.7
480			
630		9.2	50.6
490			
630		9.3	50.5
500			
630		11.5	48.3
510			
630		12.1	47.7
520			
630		11.8	48.0
530			
630		12.0	47.8
540			
630		12.3	47.5
550			
630		11.9	47.9
560			
630		11.1	48.7
570			
630		9.9	49.9
580			
630		8.6	51.2
580			
620		8.4	51.4
570			
620		10.7	49.1
560			
620		11.1	48.7
550			
620		12.1	47.7
540			
620		12.4	47.4
530			
620		12.0	47.8
520			
620		11.9	47.9
510			
620		12.1	47.7
500			
620		11.7	48.1
490			
620		9.4	50.4
480			
620		9.1	50.7
470			
620		10.1	49.7

559.81

3470		
3610	9.4	550.4
480		
610	9.4	50.4
490		
610	9.6	50.2
500		
610	10.4	49.4
510		
610	12.3	47.5
520		
610	12.1	47.7
530		
610	11.9	47.9
540		
610	12.4	47.4
550		
610	12.0	47.8
560		
610	11.7	48.1
570		
610	10.5	49.3
580		
610	10.2	49.6
580		
600	10.3	49.5
570		
600	11.1	48.7
560		
600	12.2	47.6
550		
600	12.1	47.7
540		
600	12.4	47.4
530		
600	12.1	47.7
520		
600	12.2	47.6
510		
600	12.2	47.6
500		
600	10.5	49.3
490		
600	10.4	49.4
480		
600	10.0	49.8
470		
600	9.1	50.7
B.M.	0.42	559.39

X

June 20-1932
Elliott - Notes
Simpson-Level
Soper - Rod
Kemen - Tape

20

B.M.	4.76	564.15		559.39
N 3820				
E 3590		64.2	0.6	63.6
810				
590			2.3	61.9
800				
590			3.5	60.7
790				
590			4.7	59.3
780				
590			5.8	58.4
770				
590			6.9	57.3
760				
590			8.3	55.9
750				
590			9.5	54.7
740				
590			9.1	55.1
730				
590			7.0	57.2
720				
590			5.8	58.4
710				
590			6.3	57.9
700				
590			6.3	57.9
690				
590			5.2	59.0
680				
590			4.9	59.3
670				
590			4.9	59.3
660				
590			5.3	58.9
650				
590			5.5	58.7
640				
590			5.9	58.3
630				
590			6.2	58.0
620				
590			7.2	57.0
610				
590			7.2	55.0
600				
590			10.4	53.8

0

X

564.15

3590		
3590	11.7	52.5
590		
580	11.6	52.6
600		
580	10.4	53.8
610		
580	9.4	54.8
620		
580	7.3	56.9
630		
580	6.0	58.2
640		
580	5.8	58.4
650		
580	5.6	58.6
660		
580	5.0	59.2
670		
580	5.0	59.2
680		
580	5.1	59.1
690		
580	5.5	58.7
700		
580	6.1	58.1
710		
580	6.2	58.0
720		
580	6.9	57.3
730		
580	8.6	55.6
740		
580	9.3	54.9
750		
580	7.0	57.2
760		
580	5.1	59.1
770		
580	5.1	59.1
780		
580	4.6	59.6
790		
580	3.8	60.4
800		
580	2.9	61.3
810		
580	1.6	62.6
820		
580	+0.5	64.7

564.15

3810		
3570	0.0	64.2
800		
570	2.3	61.9
790		
570	3.3	60.9
780		
570	3.5	60.7
770		
570	4.3	59.9
760		
570	6.0	58.2
750		
570	5.8	58.4
740		
570	7.7	54.5
730		
570	7.8	54.4
720		
570	9.7	54.5
710		
570	8.0	56.2
700		
570	6.2	58.0
690		
570	5.3	58.9
680		
570	4.7	59.5
670		
570	4.7	59.5
660		
570	5.2	59.0
650		
570	5.5	58.7
640		
570	5.8	58.4
630		
570	6.5	57.7
620		
570	7.8	56.4
610		
570	9.1	55.1
600		
570	10.1	54.1
590		
570	12.3	51.9
590		
560	13.2	51.0
600		
560	9.7	54.5

564.15

610		
3560	9.0	55.2
620		
560	8.2	56.0
630		
560	6.9	57.3
640		
560	5.8	58.4
650		
560	5.2	59.0
660		
560	5.0	59.2
670		
560	4.8	59.4
680		
560	4.6	59.6
690		
560	6.1	58.1
700		
560	7.4	57.8
710		
560	10.2	54.0
720		
560	10.2	54.0
730		
560	10.1	54.1
740		
560	9.2	55.0
750		
560	4.4	59.8
760		
560	3.8	60.4
770		
560	4.2	60.0
780		
560	4.5	59.7
790		
560	2.6	61.6
800		
560	0.8	63.4
800		
550	0.3	63.9
790		
550	1.9	62.3
780		
550	3.6	60.6
770		
550	4.6	59.6
760		
550	4.8	59.4

564.15

3750		
3550	4.2	60.0
740		
550	3.9	60.3
730		
550	5.7	58.5
720		
550	10.1	54.1
710		
550	10.4	53.8
700		
550	10.0	54.2
690		
550	7.5	56.7
680		
550	5.9	58.3
670		
550	4.9	59.3
660		
550	5.1	59.1
650		
550	5.3	58.9
640		
550	6.5	57.7
630		
550	7.2	57.0
620		
550	8.5	55.7
610		
550	9.0	55.2
600		
550	10.1	54.1
590		
550	14.3	49.9
600		
540	11.0	53.2
610		
540	9.1	55.1
620		
540	8.4	55.8
630		
540	7.5	56.7
640		
540	6.8	57.4
650		
540	5.7	58.5
660		
540	5.4	58.8
670		
540	6.1	58.1

564.15

3680		
3540	7.3	56.9
690		
540	10.8	53.4
700		
540	10.3	53.9
710		
540	9.3	54.9
720		
540	6.2	58.0
730		
540	4.3	59.9
740		
540	3.7	60.5
750		
540	4.0	60.2
760		
540	4.6	59.6
770		
540	4.1	60.1
780		
540	2.6	61.6
790		
540	1.1	63.1
800		
540	+0.3	64.5
3790		
3530	0.3	63.9
780		
530	1.2	63.0
770		
530	2.8	61.4
760		
530	4.2	60.0
750		
530	4.6	59.6
740		
530	3.9	60.3
730		
530	4.0	60.2
720		
530	5.4	58.8
710		
530	7.4	56.8
700		
530	10.5	53.7
690		
530	10.9	53.3
680		
530	8.6	55.6

X

564.15

3670		
3530	7.3	56.9
660		
530	6.7	57.5
650		
530	6.8	57.4
640		
530	7.3	56.9
630		
530	7.7	56.5
620		
530	8.0	56.2
610		
530	8.2	56.0
3600		
3530	12.0	52.2
600		
520	12.4	51.8
610		
520	9.0	55.2
620		
520	7.9	56.3
630		
520	7.9	56.3
640		
520	7.8	56.4
650		
520	7.2	57.0
660		
520	8.3	55.9
670		
520	8.6	55.6
680		
520	10.1	54.1
690		
520	11.2	53.0
700		
520	10.6	53.6
710		
520	5.7	58.5
720		
520	4.3	59.9
730		
520	4.5	59.7
740		
520	4.4	59.8
750		
520	4.5	59.7
760		
520	3.7	60.5

X

564.15

3770		
3520	2.7	61.5
780		
520	0.7	63.5
780		
510	0.3	63.9
770		
510	1.4	62.8
760		
510	3.0	61.2
750		
510	3.8	60.4
740		
510	4.8	59.4
730		
510	4.7	59.5
720		
510	4.4	59.8
710		
510	5.7	58.5
700		
510	8.3	55.9
690		
510	11.6	52.6
680		
510	11.6	52.6
670		
510	9.5	54.7
660		
510	8.5	55.7
650		
510	8.5	55.7
640		
510	7.9	56.3
630		
510	7.8	56.4
620		
510	7.5	56.7
610		
510	9.3	54.9
600		
510	13.4	50.8
660		
500	9.4	54.8
670		
500	11.1	53.1
680		
500	11.8	52.4
690		
500	10.9	53.3

564.15

3700		
3500	7.3	56.9
710		
500	5.6	58.6
720		
500	4.9	59.3
730		
500	4.9	59.3
740		
500	4.8	59.4
750		
500	4.0	60.2
760		
500	2.1	62.1
770		
500	1.1	63.1
770		
490	0.5	63.7
760		
490	1.5	62.7
750		
490	3.3	60.9
740		
490	3.5	60.7
730		
490	5.1	59.1
720		
490	5.5	58.7
710		
490	5.5	58.7
700		
490	6.3	57.9
690		
490	8.7	55.5
680		
490	9.7	54.5
670		
490	12.1	52.1
660		
490	11.4	52.8
660		
480	11.6	52.6
670		
480	12.2	52.0
680		
480	9.5	54.7
690		
480	6.7	57.5
700		
480	5.8	58.4

X

564.15

3710		
3480	5.8	58.4
720		
480	5.4	58.8
730		
480	5.0	59.2
740		
480	3.2	61.0
750		
480	2.7	61.5
760		
480	1.1	63.1
760		
470	0.6	63.6
750		
470	2.0	62.2
740		
470	4.2	60.0
730		
470	5.2	59.0
720		
470	5.8	58.4
710		
470	5.7	58.5
700		
470	5.8	58.4
690		
470	6.1	58.1
680		
470	8.6	55.6
670		
470	12.6	51.6
670		
460	12.8	51.4
680		
460	7.4	56.8
690		
460	5.7	58.5
700		
460	5.5	58.7
710		
460	5.9	58.3
720		
460	5.8	58.4
730		
460	5.4	58.8
740		
460	4.4	59.8
750		
460	2.0	62.2

564.15

3760				
3460			0.2	64.0
740				
450			2.6	61.6
730				
450			4.7	59.5
720				
450			6.0	58.2
710				
450			5.6	58.6
700				
450			5.5	58.7
690				
450			5.5	58.7
680				
450			6.3	57.9
T.F.	182	562.22	3.75	560.40
730				
440			2.8	59.4
720				
440			3.9	58.3
710				
440			3.6	58.6
700				
440			3.7	58.5
690				
440			3.5	58.7
680				
440			4.4	57.8
670				
440			7.7	54.5
660				
440			11.4	50.8
650				
440			10.1	52.1
640				
440			9.9	52.3
630				
440			9.9	52.3
620				
440			10.7	51.5
610				
440			13.6	48.6
610				
430			14.3	47.9
620				
430			10.3	51.9
630				
430			10.1	52.1

562.22

3640		
3430	10.0	52.2
650		
430	11.3	50.9
660		
430	11.1	51.1
670		
430	7.7	54.5
680		
430	4.4	57.8
690		
430	3.7	58.5
700		
430	3.8	58.4
710		
430	4.3	57.9
720		
430	4.2	58.0
730		
430	2.1	60.1
730		
420	2.1	60.1
720		
420	3.4	58.8
710		
420	4.5	57.7
700		
420	3.7	58.5
690		
420	3.9	58.3
680		
420	4.2	58.0
670		
420	7.3	54.9
660		
420	10.3	51.9
650		
420	12.0	50.2
640		
420	10.4	51.8
630		
420	9.5	52.7
620		
420	11.2	51.0
610		
420	14.7	57.5
620		
410	11.1	51.1
630		
410	7.6	54.6

3640	562.22		
3410		11.4	50.8
650			
410		12.2	50.0
660			
410		10.1	52.1
670			
410		5.8	56.4
680			
410		4.5	57.7
690			
410		4.1	58.1
700			
410		3.7	58.5
710			
410		4.0	58.2
720			
410		3.1	59.1
730			
410		1.7	60.5
720			
400		2.6	59.6
710			
400		3.5	58.7
700			
400		4.1	58.1
690			
400		4.3	57.9
680			
400		4.6	57.6
670			
400		6.1	56.1
660			
400		9.3	52.9
650			
400		12.5	49.7
640			
400		11.9	50.3
630			
400		7.8	54.4
620			
400		11.7	50.5
620			
390		11.7	50.5
630			
390		11.6	50.6
640			
390		12.8	49.4
650			
390		12.5	49.7

562.22

3660		
3390	10.1	52.1
670		
390	6.0	56.2
680		
390	5.0	57.2
690		
390	4.2	58.0
700		
390	4.2	58.0
710		
390	3.4	58.8
720		
390	1.8	60.4
710		
380	2.9	59.3
700		
380	3.8	58.4
690		
380	4.7	57.5
680		
380	5.5	56.7
670		
380	6.0	56.2
660		
380	8.0	54.2
650		
380	12.6	49.6
640		
380	12.2	50.0
630		
380	13.3	48.9
620		
380	13.0	49.2
620		
370	12.9	49.3
630		
370	12.4	49.8
640		
370	12.8	49.4
650		
370	12.5	49.7
660		
370	7.9	54.3
670		
370	6.1	56.1
680		
370	5.5	56.7
690		
370	4.6	57.6

X

June 20-1932

34

562.22

3700		
3370	3.8	58.4
710		
370	2.9	59.3
710		
360	2.6	59.6
700		
360	3.9	58.3
690		
360	4.8	57.4
680		
360	5.4	56.8
670		
360	6.1	56.1
660		
360	7.2	55.0
650		
360	9.7	52.5
640		
360	11.2	51.0
630		
360	8.6	53.6
3620		
3360	12.9	49.3
3610		
3450	12.1	50.1
620		
450	8.5	53.7
630		
450	9.3	52.9
640		
450	10.0	52.2
650		
450	9.7	52.5
660		
450	10.3	51.9
670		
450	10.9	51.3
660		
460	9.5	52.7
650		
460	9.9	52.3
640		
460	9.7	52.5
630		
460	7.4	54.8
620		
460	8.1	54.1
610		
460	10.7	51.5

X

562.22

3600		
<u>3460</u>		
600	15.0	47.2
470	14.7	47.5
610		
470	10.9	51.3
620		
470	7.0	55.2
630		
470	5.7	56.5
640		
470	9.7	52.5
650		
470	9.6	52.6
<u>660</u>		
470	9.6	52.6
650		
480	9.5	52.7
640		
480	8.5	53.7
630		
480	5.0	57.2
620		
480	6.1	56.1
610		
480	10.8	51.4
600		
<u>480</u>	14.2	48.0
600		
490	14.4	47.8
610		
490	10.5	51.7
620		
490	5.6	56.6
630		
490	5.2	57.0
640		
490	6.6	55.6
650		
<u>490</u>	9.3	52.9
650		
500	7.0	55.2
640		
500	6.1	56.1
630		
500	6.3	55.9
620		
500	5.4	56.8
610		
<u>500</u>	8.2	54.0

X

3600
3500

562.22

12.9 49.3

B.M.

282 559.40 ^{Record} 559.39

0.54 559.93

3440

3590

450

590

460

590

470

590

480

590

490

590

500

590

510

590

520

590

530

590

540

590

550

590

560

590

570

590

580

590

580

580

570

580

560

580

550

580

540

580

530

580

520

580

X

1.7 58.2

2.8 57.1

5.4 54.5

7.8 52.1

8.9 51.0

9.7 50.2

10.6 49.3

12.2 47.7

12.4 47.5

12.4 47.5

12.4 47.5

12.3 47.6

12.2 47.7

11.5 48.4

10.9 49.0

10.9 49.0

12.1 47.8

12.2 47.7

12.4 47.5

12.4 47.5

12.8 47.1

12.2 47.7

559.93

3510		
3580	11.7	48.2
500		
580	10.3	49.6
490		
580	9.5	50.4
480		
580	9.9	50.0
470		
580	7.2	52.7
460		
580	3.8	56.1
450		
580	2.5	57.4
440		
580	0.3	59.6
450		
570	2.0	57.9
460		
570	3.4	56.5
470		
570	6.1	53.8
480		
570	9.7	50.2
490		
570	9.3	50.6
500		
570	10.2	49.7
510		
570	11.7	48.2
520		
570	12.2	47.7
530		
570	12.7	47.2
540		
570	12.6	47.3
550		
570	12.3	47.6
560		
570	12.3	47.6
570		
570	12.5	47.4
580		
570	10.9	49.0
580		
560	11.7	48.2
570		
560	12.3	47.6
560		
560	12.5	47.4

559.93

3550		
3560	12.4	47.5
540		
560	12.6	47.3
530		
560	12.7	47.2
520		
560	12.4	47.5
510		
560	11.1	48.8
500		
560	10.1	49.8
490		
560	9.3	50.6
480		
560	8.9	51.0
470		
560	5.7	54.2
460		
560	2.9	57.0
450		
560	0.9	59.0
450		
550	0.7	59.2
460		
550	2.6	57.0
470		
550	5.3	54.6
480		
550	7.0	50.9
490		
550	9.4	50.5
500		
550	9.8	50.1
510		
550	10.9	49.0
520		
550	12.2	47.7
530		
550	12.8	47.1
540		
550	12.6	47.3
550		
550	12.5	47.4
560		
550	12.5	47.4
570		
550	12.4	47.5
580		
550	12.0	47.9

X

559.93

3590		
3540	10.9	49.0 ✓
580		
540	12.1	47.8
570		
540	12.4	47.5
560		
540	12.6	47.3
550		
540	12.4	47.5
540		
540	12.4	47.5
530		
540	13.0	46.9
520		
540	12.1	47.8
510		
540	10.4	49.5
500		
540	9.8	50.1
490		
540	9.7	50.2
480		
540	8.6	51.3
470		
540	6.0	53.9
460		
540	2.5	57.4
450		
540	0.8	59.1
450		
530	0.7	59.2
460		
530	2.0	57.9
470		
530	6.0	53.9
480		
530	7.7	52.2
490		
530	9.4	50.5
500		
530	9.9	50.0
510		
530	10.1	49.8
520		
530	12.1	47.8
530		
530	13.0	46.9
540		
530	12.6	47.3

X

559.93

3550		
3530		
560	12.5	47.4
530		
570	12.6	47.3
530		
580	12.6	47.3
530		
590	12.4	47.5
530		
590	10.8	49.1
520		
580	11.2	48.7
520		
570	12.7	47.2
520		
560	12.5	47.4
520		
550	12.5	47.4
520		
540	12.6	47.3
520		
530	12.5	47.4
520		
520	13.1	46.8
520		
510	11.3	48.6
520		
500	10.4	49.5
520		
490	10.0	49.9
520		
480	9.8	50.1
520		
470	7.6	52.3
520		
460	5.9	54.0
520		
450	2.0	57.9
520		
450	0.5	59.4
510		
460	0.5	59.4
510		
470	2.0	57.9
510		
480	6.0	53.9
510		
490	7.6	52.3
510		
490	9.7	50.2
510		

X

559.73

3500		
3510	9.8	50.1
510		
510	10.1	49.8
520		
510	11.5	48.4
530		
510	12.9	47.0
540		
510	12.5	47.4
550		
510	12.6	47.3
560		
510	12.7	47.2
570		
510	12.8	47.1
580		
510	12.8	47.1
590		
510	11.9	48.0
570		
500	11.9	48.0
580		
500	12.9	47.0
570		
500	12.8	47.1
560		
500	12.6	47.3
550		
500	12.6	47.3
540		
500	13.1	46.8
530		
500	12.9	47.0
520		
500	11.3	48.6
510		
500	10.0	49.9
500		
500	10.2	49.7
490		
500	9.7	50.2
480		
500	7.6	52.3
470		
500	5.4	54.5
460		
500	2.3	57.6
450		
500	0.2	59.7



559.93

3450		
3490		
460	0.8	59.1
490	2.3	57.6
470		
490	4.3	55.6
480		
490	7.3	52.6
490		
490	10.2	49.7
500		
490	10.2	49.7
510		
490	10.3	49.6
520		
490	10.8	49.1
530		
490	12.2	47.7
540		
490	13.0	46.9
550		
490	12.6	47.3
560		
490	12.6	47.3
570		
490	12.6	47.3
580		
490	12.8	47.1
590		
490	11.9	48.0
590		
480	12.5	47.4
580		
480	12.8	47.1
570		
480	12.6	47.3
560		
480	12.7	47.2
550		
480	12.7	47.2
540		
480	12.9	47.0
530		
480	12.1	47.8
520		
480	10.0	49.9
510		
480	10.2	49.7
500		
480	10.3	49.6

559.93

3490		
3480		
480	10.3	49.6
480	2.1	52.8
470		
480	4.2	55.7
460		
480	2.6	57.3
460		
470	+0.1	60.0
470		
480	5.0	54.9
470		
490	7.3	52.6
470		
500	10.0	49.9
470		
510	10.0	49.9
470		
520	10.1	49.8
470		
530	9.6	50.3
470		
540	11.6	48.3
470		
550	13.1	46.8
470		
560	12.8	47.1
470		
570	12.8	47.1
470		
580	12.7	47.2
470		
590	12.7	47.2
470		
590	13.0	46.9
460		
580	12.9	47.0
460		
570	13.0	46.9
460		
560	12.6	47.3
460		
550	13.0	46.9
460		
540	12.8	47.1
460		
530	13.3	46.6
460		
530	10.7	49.2
460		

X

559.93

3520		
3460	10.2	49.7
510		
460	10.1	49.8
500		
460	9.7	50.2
490		
460	10.5	49.4
480		
460	7.4	52.5
470		
460	5.4	54.5
470		
450	5.6	54.3
480		
450	7.4	52.5
490		
450	10.3	49.6
500		
450.	10.2	49.7
510		
450	10.2	49.7
520		
450	10.0	49.9
530		
450	10.8	49.1
540		
450	13.0	46.9
550		
450	13.1	46.8
560		
450	13.0	46.9
570		
450	12.9	47.0
580		
450	12.8	47.1
590		
450	12.8	47.1
600		
450	12.7	47.2
600		
440	12.7	47.2
590		
440	12.9	47.0
580		
440	13.1	46.8
570		
440	12.9	47.0
560		
440	12.8	47.1

X

559.93

3550		
3440	13.4	46.5
540		
440	13.1	46.8
530		
440	10.2	49.7
520		
440	10.0	49.9
510		
440	9.9	50.0
500		
440	10.5	49.4
490		
440	9.2	50.7
480		
440	7.3	52.6
470		
440	6.1	53.8
460		
440	3.2	56.7
460		
430	2.4	57.5
470		
430	5.8	54.1
480		
430	7.4	52.5
490		
430	9.4	50.5
500		
430	10.5	49.4
510		
430	10.3	49.6
520		
430	9.5	50.4
530		
430	9.8	50.1
540		
430	12.7	47.2
550		
430	13.2	46.7
560		
430	13.3	46.6
570		
430	13.2	46.7
580		
430	13.0	46.9
590		
430	12.8	47.1
600		
430	12.8	47.1

X

	559.93	
3600		
3420		
590	12.9	47.0
420		
580	12.8	47.1
420		
570	13.0	46.9
420		
560	13.1	46.8
420		
550	13.3	46.6
420		
540	13.1	46.8
420		
530	12.7	47.2
420		
520	10.1	49.8
420		
510	10.0	49.9
420		
500	10.4	49.5
420		
490	10.6	49.3
420		
480	9.0	50.9
420		
470	7.1	52.8
420		
460	6.0	53.9
420		
460	3.1	56.8
410		
470	4.0	55.9
410		
480	6.7	53.2
410		
490	7.4	52.5
410		
500	8.9	51.0
410		
510	11.0	48.9
410		
520	10.2	49.7
410		
530	10.4	49.5
410		
540	10.8	49.1
410		
550	12.8	47.1
410		
	12.8	47.1

559.93

3560			
3410		13.3	46.6
570			
410		13.4	46.5
580			
410		12.9	47.0
590			
410		12.7	47.2
600			
410		12.8	47.1
610			
410		12.4	47.5

B.M. 0.15 559.54 0.54 559.39 Check

3450			
3400		0.0	59.5
460			
400		4.6	54.9
470			
400		5.9	53.6
480			
400		6.9	52.6
490			
400		8.6	50.9
500			
400		10.1	49.4
510			
400		9.8	49.7
520			
400		9.5	50.0
530			
400		9.7	49.8
540			
400		12.3	47.2
550			
400		12.5	47.0
560			
400		12.8	46.7
570			
400		13.1	46.4
580			
400		12.7	46.8
590			
400		12.4	47.1
600			
400		12.5	47.0
610			
400		12.5	47.0

X

End June 20-1932

Start June 27-1932 Same Crew

557,54

3610		
3390	12.5	47.0
600		
390	12.4	47.1
590		
390	12.5	47.0
580		
390	12.7	46.8
570		
390	13.1	46.4
560		
390	12.8	46.7
550		
390	12.3	47.2
540		
390	12.2	47.3
530		
390	10.0	49.5
520		
390	9.1	50.4
510		
390	9.8	49.7
500		
390	10.3	49.2
490		
390	8.7	50.8
480		
390	6.8	52.7
470		
390	5.2	54.3
460		
390	4.4	55.1
3450		
3390	+ 1.1	60.6
3450		
3380	+ 1.5	61.0
460		
380	3.3	56.2
470		
380	5.3	54.2
480		
380	6.9	52.6
490		
380	8.8	50.7
500		
380	10.5	49.0
510		
380	9.8	49.7
520		
380	9.2	50.3

X

559.54

3530		
3380	9.9	49.6
540		
380	12.2	47.3
550		
380	12.4	47.1
560		
380	12.8	46.7
570		
380	12.9	46.6
580		
380	13.1	46.4
590		
380	12.5	47.0
600		
380	12.4	47.1
3610		
3380	12.6	46.9
3610		
3370	12.6	46.9
600		
370	12.8	46.7
590		
370	12.5	47.0
580		
370	13.3	46.2
570		
370	12.9	46.6
560		
370	12.8	46.7
550		
370	12.6	46.9
540		
370	12.4	47.1
530		
370	11.5	48.0
520		
370	9.5	50.0
510		
370	10.6	48.9
500		
370	10.3	49.2
490		
370	8.5	51.0
480		
370	7.1	52.4
470		
370	5.4	54.1

X

559.54

3460		
3370	2.2	57.3
3450		
3370	+1.6	61.1
3450		
3360	+1.0	60.5
460		
360	2.7	56.8
470		
360	5.5	54.0
480		
360	7.6	51.9
490		
360	9.1	50.4
500		
360	10.3	49.2
510		
360	10.0	49.5
520		
360	9.8	49.7
530		
360	11.5	48.0
540		
360	12.3	47.2
550		
360	12.5	47.0
560		
360	12.9	46.6
570		
360	13.0	46.5
580		
360	13.2	46.3
590		
360	12.6	46.9
600		
360	12.7	46.8
610		
360	12.7	46.8

T.P.B.M. 0.15 559.39 Check

12.81 572.20

3430		
3590	10.1	62.1
420		
590	4.4	67.8

572.20

3410		
3590		
400	2.5	69.7
590	2.4	69.8
390		
590	+4.6	76.8
390		
580	+5.6	77.8
400		
580	+0.3	72.5
410		
580	2.8	69.4
420		
580	3.5	68.7
430		
580	8.7	63.5
440		
570	12.0	60.2
430		
570	9.1	63.1
420		
570	3.3	68.9
410		
570	3.2	69.0
400		
570	+3.1	75.3
400		
560	+4.3	76.5
410		
560	3.7	68.5
420		
560	3.8	68.4
430		
560	7.2	65.0
440		
560	11.2	61.0
440		
550	11.3	60.9
430		
550	6.0	66.2
420		
550	4.3	67.9
410		
550	1.6	70.6
410		
540	0.9	71.3
420		
540	4.4	67.8
430		
540	4.6	67.6

X

June 27-1932

52

572.20

3440			
3540		10.9	61.3
440			
530		9.9	62.3
430			
530		4.6	67.6
420			
530		4.3	67.9
410			
530		+2.3	74.5
410			
520		+3.0	75.2
420			
520		3.7	68.5
430			
520		4.7	67.5
440			
520		9.2	63.0
T. P.	2.58	570.21	4.57
440			
510		6.4	63.8
430			
510		2.7	63.5
420			
510		0.3	69.9
420			
500		+3.0	73.2
430			
500		3.1	67.1
440			
500		2.7	67.5
440			
490		3.7	66.5
430			
490		2.6	67.6
430			
480		0.5	69.7
440			
480		4.0	66.2
450			
480		5.6	64.6
450			
470		4.1	66.1
440			
470		4.5	65.7

X

570.21

3460		
3460		
450	9.5	60.7
460		
440	4.2	66.0
460		
430	4.8	65.4
460	10.6	70.8
460		
450	11.7	58.5
450		
440	4.1	66.1
450		
430	5.0	65.2
450		
430	1.6	68.6
440		
440	2.6	67.6
440		
450	5.2	65.0
440		
450	7.0	63.2
430		
440	8.6	61.6
430		
430	5.4	64.8
430		
420	5.2	65.0
420		
430	0.0	70.2
420		
440	5.1	65.1
420		
450	5.2	65.0
420		
450	8.9	61.3
410		
440	11.0	59.2
410		
430	5.3	64.9
410		
420	5.1	65.1
410		
420	1.8	68.4
400		
430	4.3	65.9
400		
440	4.9	65.3
400		
	4.8	65.4

X

	570.21		
3440		5.1	65.1
3390			
430		4.7	65.5
390			
420		4.2	66.0
390			
410		1.3	68.9
380			
420		4.7	65.5
380			
430		4.5	65.7
380			
440		5.0	65.2
380			
440		4.1	66.1
370			
430		4.4	65.8
370			
420		4.5	65.7
370			
410		1.4	68.8
370			
410		2.2	68.0
360			
420		4.5	65.7
360			
430		4.8	65.7
360			
440		6.1	64.1
360			
T.P		3.43	566.78

5.04 571.82

B.M,

12.44

559.38

Record
559.39

X

B.M.			599.87	
	0.27	600.14		
T.P.			12.98	587.16
	0.71	587.87		
T.P.			8.13	579.74
	2.39	582.13		
T.P.			9.68	572.45
	4.65	577.10		
N 3950				
E 3970			14.6	62.5 ✓
960				
970			14.6	62.5 ✓
950				
960			14.7	62.4 ✓
960				
970			13.4	63.7 ✓
960				
950			7.1	70.0 ✓
950				
960			14.5	62.6 ✓
950				
970			12.4	64.7 ✓
950				
950			7.5	69.6 ✓
940				
960			13.7	63.4 ✓
940				
970			11.4	65.7 ✓
940				
950			7.8	69.3 ✓
930				
960			12.5	64.6 ✓
930				
970			10.2	66.9 ✓
930				
950			7.9	69.2 ✓
920				
960			12.0	65.1 ✓
920				
970			10.7	66.4 ✓
920				
970			8.4	68.7 ✓
920				

577.10

3980			
3920			
950		6.5	70.6 ✓
910			
960		11.0	66.1 ✓
910			
970		10.6	66.5 ✓
910			
980		8.9	68.2 ✓
910			
950		6.5	70.6 ✓
920	00		
960		9.6	67.5 ✓ ?
920	00		
970		9.8	67.3 ✓
920	00		
980		9.1	68.0 ✓
920	00		
950		7.0	70.1 ✓
910	990		
960		9.6	67.5 ✓
910	890		
970		8.3	68.8 ✓
910	890		
980		8.7	68.4 ✓
910	890		
950		7.3	69.8 ✓
880			
960		9.2	67.9 ✓
880			
970		8.2	68.9 ✓
880			
980		7.6	69.5 ✓
880			
950		7.3	69.8 ✓
870			
960		8.9	68.2 ✓
870			
950		8.3	68.8 ✓
860			
960		9.0	68.1 ✓
860			
950		8.0	69.1 ✓
850			
960		8.9	68.2 ✓
850			
		7.7	69.4 ✓

X

577.10

3950			
3840		8.7	68.4
960			
840		7.5	69.6
750			
830		8.5	68.6
960			
830		6.5	70.6
950			
820		6.2	70.9
960			
820		6.5	70.6
950			
810		7.2	69.9
960			
810		6.4	70.7
950			
800		7.5	69.6
960			
800		6.1	71.0
T.P.		3.70	573.40

3.61 577.01

950			
790		6.5	70.5
960			
790		5.8	71.2
950			
780		6.9	70.1
960			
780		5.8	71.2
950			
770		10.7	66.3
960			
770		6.1	70.9
950			
760		7.2	69.8
960			
760		6.9	70.1
930			
750		7.8	69.2
940			
750		7.2	69.8
950			
750		6.4	70.6

X

577.01

3930			
3740			
740		7.7	69.3
740			
950		6.6	70.9
740			
910		5.8	71.2
730			
920		8.4	68.6
730			
930		8.1	68.9
730			
910		7.4	69.6
720			
920		8.4	68.6
720			
930		7.7	69.3
720			
900		6.8	70.2
710		9.0	68.0
910			
710		8.2	68.8
920			
710		7.2	69.8
930			
710		6.4	70.6
890			
700		9.0	68.0
900			
700		8.9	68.1
910			
700		7.9	69.1
T.P.		7.43	569.58

5.03 574.61

890			
690		6.9	67.7
900			
690		6.0	68.6
910			
690		5.3	67.3
880			
680		7.1	67.5
890			
680		6.9	67.7
900			
680		5.8	68.8
910			
680		4.9	69.7

Nail in Power Pole

End June 27 - 1932

Start June 28 - 1932

574.61

3880		
3670	7.3	567.3
890		
670	6.4	68.2
900		
670	5.6	69.0
910		
670	4.6	70.0
880		
660	7.2	67.4
890		
660	6.3	68.3
900		
660	5.4	69.2
910		
660	4.3	70.3
880		
650	6.8	67.8
890		
650	6.0	68.6
900		
650	4.6	70.0
870		
640	7.1	67.5
880		
640	6.2	68.4
890		
640	4.9	69.7
900		
640	4.0	70.6
860		
630	7.8	66.8
870		
630	6.6	68.0
880		
630	5.6	69.0
890		
630	4.4	70.2
860		
620	7.1	67.5
870		
620	6.1	68.5
880		
620	4.9	69.7
890		
620	3.5	71.1

X

A

860	574.61		
610		6.8	567.8
870			
610		5.4	69.2
880			
610		3.9	70.7
850			
600		7.3	67.3
860			
600		6.2	68.4
870			
600		4.8	69.8
880			
600		3.4	71.2
830			
590		9.2	65.4
840			
590		7.5	67.1
850			
590		6.4	68.2
860			
590		5.1	69.5
870			
590		4.0	70.6
830			
580		7.6	67.0
840			
580		7.1	69.5
850			
580		5.6	69.0
860			
580		4.4	70.2
870			
580		3.5	71.1
820			
570		9.0	65.6
830			
570		8.0	66.6
840			
570		6.4	68.2
850			
570		4.9	69.7
860			
570		3.8	70.8
810			
560		10.0	64.6
820			
560		8.1	66.5

574.61

3830		
3560	7.2	567.4
840		
560	5.8	68.8
850		
560	4.5	70.1
810		
550	9.8	64.8
820		
550	8.3	66.3
830		
550	6.8	67.8
840		
550	5.4	69.2
850		
550	4.3	70.3
810		
540	8.1	66.5
820		
540	7.5	67.1
830		
540	6.3	68.3
840		
540	5.0	69.6
850		
540	4.0	70.6
800		
530	8.9	65.7
810		
530	7.8	66.8
820		
530	6.7	67.9
830		
530	5.5	69.1
840		
530	4.3	70.3
790		
520	9.3	65.3
800		
520	7.5	67.1
810		
520	7.3	67.3
820		
520	6.2	68.4
830		
520	4.8	69.8
790		
510	8.5	66.1
800		
510	7.0	67.6

X

3770		574.61		
3460			7.6	567.0
780				
460			6.4	68.2
790				
460			5.1	69.5
800				
460			4.2	70.4
750				
450			13.0	61.6
760				
450			11.3	63.3
770				
450			9.1	65.5
780				
450			6.9	67.7
790				
450			5.7	68.9
800				
450			4.9	69.7
740				
440			13.0	61.6
750				
440			11.0	63.6
760				
440			7.7	66.9
770				
440			6.8	69.8
780				
440			5.6	69.0
T.P.	2.61	571.95	5.27	569.34
740				
430			9.7	62.2
750				
430			6.3	65.6
760				
430		1	4.1	67.8
770				
430			3.6	68.3
780				
430			2.5	69.4
740				
420			8.8	63.1
750				
420			5.6	66.3
760				
420			3.8	68.1

571.95

3770			
3420		2.9	569.0
740			
410		8.3	63.6
750			
410		5.0	66.9
760			
410		3.5	68.4
770			
410		2.8	69.1
730			
400		10.5	61.4
740			
400		6.8	65.1
750			
400		4.2	67.7
760			
400		3.3	68.6
730			
390		9.0	62.9
740			
390		6.5	65.4
750			
390		4.5	67.4
760			
390		3.4	68.5
720			
380		10.2	61.7
730			
380		7.3	64.6
740			
380		5.1	66.8
750			
380		4.2	67.7
760			
380		3.4	68.5
720			
370		10.0	61.9
730			
370		7.3	64.6
740			
370		5.2	66.7
750			
370		4.0	67.9
760			
370		3.1	68.8

X

571.95

3720			
3360		9.5	562.4
730		7.1	64.8
360		4.9	67.0
740			
360		3.3	68.6
750			
360		2.2	69.7
760			
360	1		

T.P. 2.56 569.39

3.48 572.87

T.P. 10.23 562.64

8.83 571.47

B.M. 12.03 559.44 Record 559.39

X

B.M.	0.56	597.25		596.69
T.P.			12.84	584.41
	0.19	584.60		
T.P.			12.76	571.84
	1.25	573.07		
B.M.			6.62	566.47
	8.46	574.93		
T.P.			0.54	574.39
	10.90	585.29		
T.P.			0.14	585.15
	13.11	598.26		
B.M.			1.56 1/2	596.69 1/2
				Record 596.69

Set B.M. Spike in Stump about Middle of Upstream
Toe Wall at Upstream Top of Cut

June 29-1932

67

Elliott-Notes
Simpson-Level
Soper-Trip
Kemper-Tape

B.M.	13.07	597.40		584.33
			3.50	593.90
	6.61	600.51		
N 3780				
E 5440			11.0	89.5
790				
740			7.0	93.5
800				
940			2.7	97.8
770				
950			12.2	87.3
780				
950			9.1	91.4
790				
950			5.3	95.2
800				
950			1.1	99.4
800				
960			10.7	601.2
790				
960			3.8	596.7
780				
960			7.8	92.7
770				
960			11.0	89.5
760				
960			14.5	86.0
760				
970			14.2	86.3
770				
970			11.0	89.5
780				
970			6.9	93.6
790				
970			2.7	97.8
790				
980			1.7	98.8
780				
980			5.9	94.6
770				
980			10.4	90.1
770				
990			9.4	91.1
780				
990			4.9	95.6
790				
990			0.8	99.7

†

3790	600.51		
6000		+0.9	601.4
3780			
6000		3.4	97.1
3770			
6000		7.0	93.5
3760			
6000		10.6	89.9
3750			
6000		12.7	87.8
740			
010		12.0	88.5
750			
010		9.6	90.9
760			
010		6.8	93.7
770			
010		3.7	96.8
780			
010		1.5	99.0
780			
020		+2.3	602.8
770			
020		1.1	599.4
760			
020		4.9	95.6
750			
020		7.1	92.4
740			
020		10.1	90.4
730			
020		13.3	87.2
720			
020		15.0	85.5
710			
030		14.2	86.3
720			
030		12.3	88.2
730			
030		10.4	90.1
740			
030		8.3	92.2
750			
030		5.5	95.0
760			
030		2.0	98.5
770			
030		+1.9	602.4

X

770	600.51		
040		+36	604.1
760			
040		0.1	00.4
750			
040		3.3	597.2
740			
040		5.8	94.7
730			
040		8.4	92.1
720			
040		9.9	90.6
710			
040		12.2	87.3
700			
040		14.0	86.5
690			
050		16.3	84.2
700			
050		12.2	88.3
710			
050		10.2	90.3
720			
050		7.6	92.9
730			
050		5.1	95.4
740			
050		2.0	98.5
750			
050		0.3	600.2
760			
050		+3.2	03.8
770			
050		+5.5	06.0
770			
060		+8.3	08.8
760			
060		7.0	592.5
750			
060		+3.9	604.4
740			
060		+0.4	05.9
T.P.	7.71	601.61	6.61
730			593.90
060		2.7	98.9
720			
060		5.2	96.4

X

710	601.61		
060		8.4	593.2
700			
060		10.0	91.6
690			
060		12.0	89.6
690			
070		12.1	89.5
700			
070		8.7	92.9
710			
070		4.1	97.5
720			
070		2.1	99.5
730			
070		+0.5	602.1
740			
070		+3.3	604.9
750			
070		+5.6	07.2
740			
080		+7.0	08.6
730			
080		+4.1	05.7
720			
080		+0.9	02.5
710			
080		4.0	597.6
700			
080		7.9	93.7
690			
080		12.4	89.2
690			
090		12.9	88.7
700			
090		6.3	95.3
710			
090		3.0	98.6
720			
090		+1.1	602.6
730			
090		+5.5	07.1
740			
090		+9.7	11.3
740			
100		+10.0	11.6
730			
100		+5.3	06.9
720			
100		+1.0	02.6

X

60161

3710		
6100	3.2	598.4
700		
100	2.0	94.6
690		
100	13.2	88.4
680		
100	17.1	84.5
670		
100	17.3	84.3
660		
110	17.2	84.4
670		
110	17.8	83.8
680		
110	17.1	84.5
690		
110	14.3	87.3
700		
110	7.6	94.0
710		
110	3.3	98.3
720		
110	+0.6	602.2
730		
110	+4.8	06.4
740		
110	+9.7	11.3
740		
120	+9.7	11.3
730		
120	+4.5	06.1
720		
120	+0.1	01.7
710		
120	5.6	596.0
700		
120	10.2	91.4
690		
120	15.4	86.2
680		
120	19.5	82.1
670		
120	17.6	84.0
660		
120	16.9	84.7
650		
120	17.1	84.5

+

3650	60.61	
6130		17.2
660		584.4
130		16.4
670		85.2
130		17.6
680		84.0
130		16.6
690		85.0
130		16.3
700		85.3
130		12.4
710		89.2
130		7.9
720		93.7
130		2.8
730		98.8
130		+2.9
740		604.5
130		+6.1
740		07.7
140		+3.9
730		05.5
140		3.7
720		597.9
140		5.2
710		96.4
140		7.1
700		94.5
140		10.3
690		91.3
140		11.6
680		90.0
140		12.4
670		89.2
140		17.5
660		84.1
140		16.0
650		85.6
140		14.2
640		87.4
140		16.0
630		85.6
150		17.2
640		84.4
150		14.3
650		87.3
150		12.8
660		89.8
150		11.1
		90.5

x

601.61

3670		
6150		
680	16.6	585.0
150	13.2	88.4
690		
150	8.5	93.1
700		
150	6.1	95.5
710		
150	4.0	97.6
720		
150	0.9	600.7
730		
150	+1.9	03.5
740		
150	+2.4	04.0
710		
160	1.4	00.2
700		
160	4.1	597.5
690		
160	9.0	92.6
680		
160	13.1	88.5
670		
160	15.6	86.0
660		
160	9.7	91.9
650		
160	11.9	89.7
640		
160	14.3	87.3
630		
160	16.3	85.3
620		
170	18.1	83.5
630		
170	15.8	85.8
640		
170	13.6	88.0
650		
170	11.8	89.8
660		
170	13.7	87.9
670		
170	13.1	87.5
680		
170	10.5	91.1

X

601.61

3690		
6170	7.8	593.8
700		
170	2.5	99.1
690		
180	0.4	601.2
680		
180	3.5	598.1
670		
180	6.8	94.8
660		
180	10.5	91.1
650		
180	12.3	89.3
640		
180	13.6	87.0
630		
180	14.9	86.7
620		
180	17.1	84.5
620		
190	17.9	83.7
630		
190	12.6	89.0
640		
190	12.1	89.5
650		
190	10.9	90.7
660		
190	8.0	93.6
670		
190	4.5	97.1
680		
190	1.5	600.1
670		
200	4.2	597.4
660		
200	8.1	93.5
650		
200	10.7	90.9
640		
200	10.8	90.8
630		
200	13.6	88.0
620		
200	15.3	86.3

x

3620				
6210		601.61	17.1	584.5
630			14.1	87.5
210				
640			12.1	89.5
210				
650			9.9	91.7
210				
660			7.9	93.7
210				
670			4.0	97.6
210				
680			0.8	600.8
210				
T. F.	1.98	599.49	4.10	597.51
680			+2.1	601.6
220				
670			1.5	598.0
220				
660			4.2	95.3
220				
650			6.8	92.7
220				
640			9.4	90.1
220				
630			12.9	86.6
220				
620			11.9	87.6
220				
610			11.6	87.9
220				
590			13.8	85.7
230				
600			11.9	87.6
230				
610			10.3	89.2
230				
620			9.5	90.0
230				
630			10.6	88.9
230				
640			12.1	87.4
230				
650			10.3	88.2
230				
660			7.9	91.6
230				
670			5.0	94.5
230				

X

3670	599.49		
6240			
660		0.0	599.5
240			
650		5.6	93.9
240			
640		5.9	93.6
240			
630		6.6	92.9
240			
620		6.8	92.7
240			
610		7.4	92.1
240			
600		8.0	91.5
240			
590		10.8	88.7
240			
570		12.7	86.8
250			
580		13.6	85.9
250			
590		11.5	88.0
250			
600		9.7	89.8
250			
610		7.4	92.1
250			
620		5.5	94.0
250			
630		5.2	94.3
250			
640		4.3	95.2
250			
650		3.0	96.5
250			
660		2.3	97.2
250			
660		1.7	97.8
260			
650		+1.7	601.2
260			
640		70.7	600.2
260			
630		0.4	599.1
260			
620		0.5	99.0
260			
610		2.2	97.3
260			
		2.2	97.3

x

		599.49		
3600				
6260			4.1	595.4
590				
260			6.7	92.8
580				
260			8.1	91.4
570				
260			10.9	88.6
T.P.	5.79	600.14	5.14	594.35
560				
270			12.5	87.6
570				
270			9.3	90.8
580				
270			6.7	93.4
590				
270			3.7	96.4
600				
270			1.4	98.7
610				
270			0.6	99.5
600				
280			11.0	601.1
590				
280			1.2	598.9
580				
280			2.7	97.4
570				
280			7.5	92.6
560				
280			10.6	89.5
550				
280			13.8	86.3
550				
290			11.8	88.3
560				
290			8.8	91.3
570				
290			3.6	96.5
580				
290			1.0	99.1
580				
300			10.2	600.3
570				
300			2.9	597.2
560				
300			5.9	94.2

	600.14	
3550		
6300	10.5	589.6
540		
300	12.7	87.4
540		
310	11.3	88.8
550		
310	9.1	91.0
560		
310	5.4	94.7
570		
310	2.3	97.8
570		
320	1.3	98.8
560		
320	4.7	95.4
550		
320	7.9	92.2
540		
320	9.6	90.5
530		
320	13.8	86.3
510		
330	13.6	86.5
520		
330	12.5	87.6
530		
330	11.8	88.3
540		
330	9.6	90.5
550		
330	7.2	92.9
560		
330	4.4	95.7
570		
330	0.9	99.2
570		
340	1.4	98.7
560		
340	4.5	95.6
550		
340	6.6	93.5
540		
340	7.7	92.4
530		
340	9.3	90.8
520		
340	10.8	89.3

	600.14		
3510			
6340			
500		12.2	587.9
340		13.6	86.5
490			
350		14.0	86.1
500			
350		12.3	87.8
510			
350		10.9	89.2
520			
350		9.7	90.4
530			
350		7.9	92.2
540			
350		6.5	93.6
550			
350		4.9	95.2
560			
350		3.8	96.3
570			
350		2.0	98.1
570			
360		0.0	600.1
560			
360		1.7	598.4
550			
360		3.6	96.5
540			
360		5.4	94.7
530			
360		7.0	93.1
520			
360		7.5	92.6
510			
360		9.4	90.7
500			
360		11.2	88.9
490			
360		13.1	87.0
470			
370		14.6	85.5
480			
370		13.3	86.8
470			
370		10.9	89.2

Continued in Book #357

X

DIRECTIONS FOR USE OF TABLES

TABLE No. 1

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

IMPROVED TABLES AND INFORMATION

TABLE No. 2

To find Tangent and External for curve of
 any other degree, divide by degree of curve and
 add correction listed in column of corrections.
 Degree of curve with 4 given 1 may be found
 by dividing tangent (or external), opposite 1 by
 given tangent (or external).
 The distance from a point on the tangent to
 the curve is very nearly the square of the tangent
 length divided by twice the radius.

10
24/400
24
160

66.78
559.39
~~13.04~~
7.39
8.7