

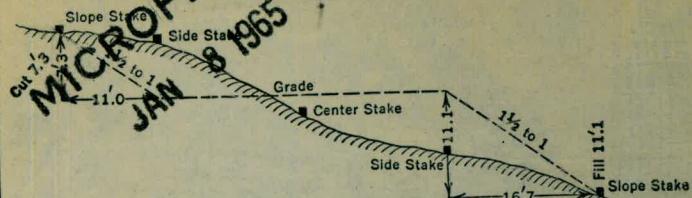
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MISSION BAY

FIELD BOOK

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
 Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite .7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

KEUFFEL & ESSER CO., N. Y.

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PAGES

INDEX

DATE

1- SOUNDINGS MISSION BAY PROJ 64501

NOTE: For additional Soundings

See M. Bay Field Books No's 90-91

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8-13-56

END SECTIONS MISSION BAY

PROJECT N^o 64501 (see B/L Sketch NB90 P.3)

W. 80+00; 0+00 = N/4,000; SOUND NORTH

DIST SOUND ELEV DIST SOUND ELEV

0+00 3.1 0.2 3.2 0.3

9:43 3.2 0.3 (2.9) 3.2 0.3

(2.9) 3.2 0.3 3.2 0.3

3.2 0.3 ~~3+00~~ 3.3 0.4

3.1 0.2 3.1 0.2

50 3.1 0.2 3.4 0.5

3.2 0.3 3.2 0.3

3.3 0.4 3.2 0.3

3.5 0.6 50 3.1 0.2

3.2 0.3 3.2 0.3

1+00 3.2 0.3 3.3 0.4

3.2 0.3 3.3 0.4

3.1 0.2 3.3 0.4

3.1 0.2 ~~3+00~~ 4+00 3.2 0.3

3.2 0.3 3.2

50 3.2 0.3 3.2

3.2 0.3 3.2 0.3

W. 80+00; SOUND NORTH 8-13-56

DIST SOUND ELEV DIST SOUND ELEV

3.2 0.3 (2.9) 3.2 0.3

50 3.2 50 3.2

3.2 3.2

(2.9) 3.2 3.2

3.2 3.2

3.2 3.2

~~4+00~~ 5+00 3.2 ~~6+00~~ 7+00 3.2

3.2 3.2 0.3

3.2 3.3 0.4

3.2 3.3 0.4

3.2 3.3 0.4

50 3.2 50 3.2 0.3

3.2 3.2 0.3

9+00 3.2 3.2 0.3

3.2 3.3 0.4

3.2 3.6 0.7

~~5+00~~ 6+00 3.2 ~~7+00~~ 8+00 3.4 0.5

3.2 3.3 0.4

3.2 3.2 0.3

3.2 0.3 3.2 0.4

W. 80+00; SOUND NORTH 8-13-56
 Dist Sound Elev Dist Sound Elev

W. 80+00; SOUND NORTH
 Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(2.9)	3.5	0.6	(2.9)	3.5	0.4
50	3.5	0.6	50	3.5	0.6
	3.5	0.6		3.5	0.6
	3.6	0.7		3.6	0.7
	3.6			3.5	0.6
	3.6			3.6	0.7
8+00	3.6		10+00	3.6	0.7
9+00	3.6		11+00	3.6	0.7
	3.6			3.6	0.7
	3.6	0.7		3.8	0.9
	3.5	0.6		3.7	0.8
	3.5			3.7	0.8
50	3.5		50	3.8	0.9
	3.5			3.8	0.9
	3.5			4.0	1.1
	3.5			4.1	1.2
	3.5			4.1	1.2
9+00	3.5	0.6	11+00	4.6	1.7
10+00	3.6	0.7	12+00	6.0	3.1
	3.5	0.6		7.1	4.2
	3.5	0.6		7.5	4.6
	3.5	0.6		7.1	4.2
	3.5	0.6		7.2	4.3

Dist	Sound	Elev	Dist	Sound	Elev
(2.9)	7.7	4.8	(2.9)	7.1	3.2
50	7.7	4.8	50	7.0	3.1
	7.7	4.8		9.55	6.6
	7.6	4.7		6.0	3.1
	7.8	4.9		4.9	2.0
	7.7	4.8		4.0	1.1
12+00	7.6	4.7	14+00	3.0	0.1
13+00	7.5	4.6	15+00	1.9	+1.0
	7.5	4.6		1.0	+1.9
	7.6	4.7		0.5	+2.4
	7.6				
50	7.6				
	7.6	4.7			
	7.3	4.4			
	7.2	4.3			
	7.3	4.4			
13+00	7.1	4.2	14+00		
14+00	7.5	4.6			
	7.3	4.4			
	7.2	4.3			

8-13-56
 W. 82+00; 0+00 = N. 14,000 SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.3	0.3	(3.0)	3.5	0.5
10:07	3.3	0.3	2+00	3.4	0.4
(3.0)	3.3	0.3		3.6	0.6
	3.5	0.5		3.6	0.6
	3.5	0.5		3.5	0.5
50	3.6	0.6		3.5	0.5
	3.5	0.5	50	3.6	0.6
	3.5	0.5		3.5	0.5
	3.4	0.4		3.6	0.6
	3.4	0.4		3.6	0.6
1+00	3.3	0.3		3.5	0.5
	3.5	0.5	3+00	3.5	0.5
	3.4	0.4		3.5	0.5
	3.4	0.4		3.4	0.4
	3.4	0.4		3.4	
50	3.5	0.5		3.4	
	3.5		50	3.4	0.4
	3.5			3.5	0.5
	3.5	0.5 ✓		3.5	0.5 ✓

W. 82+00; SOUND NORTH 8-13-56 (3)
 Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(3.0)	3.4	0.4	(3.0)	3.4	0.4
	3.5	0.5		3.3	0.3
4+00	3.5	0.5	6+00	3.4	0.4
	3.5	0.5		3.4	0.4
10:10	3.7	0.7		3.5	0.5
	3.7	0.7		3.5	
	3.5	0.5		3.5	
50	3.4	0.4	50	3.5	0.5
	3.5	0.5		3.6	0.6
	3.4	0.4		3.5	0.5
	3.3	0.3		3.5	0.5
	3.4	0.4		3.5	0.5
5+00	3.5	0.5	7+00	3.6	0.6
	3.6	0.6		3.5	0.5
	3.5	0.5		3.5	
	3.5			3.5	
50	3.5	0.5	50	3.5	
	3.4	0.4		3.5	
	3.4	0.4 ✓		3.5	0.5 ✓

W. 82+00; SOUND NORTH			8-13-56		
DIST	SOUND	ELEV	DIST	SOUND	ELEV
(3.0)	3.5	0.5	(3.0)	4.1	1.1
	3.6	0.6		4.2	1.2
8+00	3.5	0.5	10+00	4.2	
10/13	3.5	0.5		4.2	
10/13	3.5	0.5	10/15	4.2	1.2
	3.7	0.7	10/15	4.3	1.3
	3.8	0.8		4.3	1.3
50	3.8	0.8	50	5.2	2.2
	3.7	0.7		6.5	3.5
	3.8	0.8		7.5	4.5
	3.8			8.0	5.0
	3.8			8.0	5.0
9+00	3.8	0.8	11+00	8.1	5.1
	3.9	0.9		8.1	
	4.0	1.0		8.1	
	4.0	1.0		8.1	5.1
	4.0	1.0		8.2	5.2
50	3.9	0.9	50	8.1	5.1
	4.0	1.0		8.0	5.0
	4.0	1.0		7.8	4.8

W. 82+00; SOUND NORTH			HV		
DIST	SOUND	ELEV	DIST	SOUND	ELEV
(3.0)	7.8	4.8			
	7.2	4.2			
12+00	7.5	4.5	14+00		
	7.6	4.6			
	7.4	4.4			
	7.5	4.5			
	7.3	4.3			
50	7.4	4.4	50		
	7.3	4.3			
	7.1	4.1			
	7.0	4.0			
	6.8	3.8			
13+00	6.3	3.3			
	5.8	2.8			
	4.2	1.2			
10/18	2.8	+0.2			
10/18	2.0	+1.0			
50	1.0	+2.0			
	0.5	+2.5			

8-13-56			W. 84+00; SOUND NORTH			N. 84+00; SOUND NORTH			⑤		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
						(3.0)	4.0	1.0	(3.1)	3.8	0.7
0+00	4.5	1.5	(3.0)	6.0	3.0		3.9	0.9		4.0	0.9
1026	4.7	1.7	2+00	5.0	2.0	4+00	3.9	0.9	6+00	4.0	
5.0	6.0	3.0		4.0	1.0		3.9	0.9		4.0	
(3.0)	5.3	2.3		3.8	0.8		4.0	1.0		4.0	
	3.5	0.5		3.8	0.8		3.8	0.8	1033	4.0	0.9
50	3.4	0.4		3.8	0.8		3.8		1033	4.1	1.0
	3.2	0.2	50	3.7	0.7	50	3.8		50	4.1	1.0
	3.2	0.2		3.8	0.8		3.8	0.8		4.0	0.9
	4.5	1.5		3.9	0.9		3.9	0.9		4.0	0.9
	4.0	1.0	1030	3.9	0.9		4.0	1.0		4.1	1.0
1+00	3.8	0.8	1030	4.0	1.0		4.0	1.0		4.0	0.9
	5.5	2.5	3+00	4.0	1.0	5+00	4.0	1.0	7+00	4.0	
	5.6	2.6		3.9	0.9		3.9	0.9		4.0	
	4.0	1.0		3.8	0.8		4.0	1.0		4.0	0.9
	3.5	0.5		3.9	0.9		3.9	0.9		3.9	0.8
50	3.7	0.7		3.9	0.9		3.9			3.9	
	3.6	0.6	50	3.9	0.9	50	3.9		50	3.9	
	3.8	0.8		4.0	1.0		3.9			3.9	0.8
	5.0	2.0		4.0	1.0		3.9	0.9		4.0	0.9

√ W. 84+00; SOUND NORTH 8-13-56					
DIST	SOUND	Elev	DIST	SOUND	Elev
(3.1)	4.0	0.9			
	4.0	0.9			
8+00	3.9	0.8	10+00		
10-35	3.9	0.8			
$\frac{10-35}{2}$	4.0	0.9			
	4.0				
	4.0				
50	4.0		50		
	4.0				
	4.0	0.9			
	4.1	1.0			
	4.2	1.1			
9+00	4.2	1.1	11+00		
	4.3	1.2			
	4.3	1.2			
	4.5	1.4			
	4.7	1.6			
50	4.7	1.6	50		
	4.6	1.5			
	4.5	1.4 ^v			

√ W. 84+00; SOUND NORTH HV			⑥		
DIST	SOUND	Elev	DIST	SOUND	Elev
(3.1)	4.8	1.7	(3.1)	8.5	5.4
	5.0	1.9		8.7	5.6
10+00	6.5	3.4	12+00	8.2	5.1
	7.2	4.1		8.3	5.2
	8.5	5.4		8.2	5.1
	9.0	5.9		7.8	4.7
	9.0			7.3	4.2
50	9.0		50	6.8	3.7
	9.0			6.0	2.9
1038	9.0			5.0	1.9
	9.0			3.5	0.4
	9.0			2.5	+0.6
11+00	9.0		13+00	1.5	+1.6
	9.0	5.9		1.0	+2.1
	8.8	5.7		0.2	+2.9 ^v
	8.6	5.5			
	8.8	5.7			
50	8.5	5.4			
	8.5	5.4			
	8.4	5.3 ^v			

8-13-56
W. 86+00; 0+00 = N. 14, 000; SOUND NORTH

DIST	SOUND	ELEV	MIST	SOUND	ELEV
0+00	3.8	0.6	(3.2)	4.0	0.8
(3.2)	3.9	0.7	2+00	4.5	1.3
<u>10:50</u>	4.0	0.8		4.2	1.0
<u>2</u>	3.9	0.7		4.2	1.0
	4.0	0.8		4.1	0.9
50	3.9	0.7		5.0	1.8
	3.9	0.7	50	5.8	2.6
	3.9	0.7		6.6	3.4
	4.0	0.8		5.0	1.8
	3.7	0.5		4.1	0.9
1+00	3.8	0.6		3.8	0.6
	3.8	0.6	3+00	4.0	0.8
	3.9	0.7		4.0	
	4.0	0.8		4.0	
	4.0			4.0	0.8
50	4.0			3.9	0.7
	4.0		50	4.0	0.8
	4.0			4.0	0.8
	4.0	0.8		4.0	0.8

W. 86+00; SOUND NORTH
MIST SOUND ELEV DIST SOUND ELEV

MIST	SOUND	ELEV	DIST	SOUND	ELEV
(3.2)	4.0	0.8	(3.2)	4.2	1.0
	3.9	0.7	<u>10:55</u>	4.3	1.1
4+00	4.0	0.8	6+00	4.5	1.3
<u>10:53</u>	5.1	1.9		4.3	1.1
<u>2</u>	5.8	2.6		4.2	1.0
	4.5	1.3		4.1	0.9
	4.2	1.0		4.1	
50	4.0	0.8	50	4.1	
	4.0			4.1	0.9
	4.0			4.0	0.8
	4.0			4.1	0.9
	4.0			4.0	0.8
5+00	4.0		7+00	4.1	0.9
	4.0			4.1	
	4.0			4.1	
	4.0			4.1	
	4.0			4.1	0.9
50	4.0		50	4.2	1.0
	4.0	0.8		4.2	1.0
	4.1	0.9		4.2	1.0

W. 86+00; SOUND NORTH 8-13-56
 Dist Sound Elev

W. 86+00; SOUND NORTH
 Dist Sound Elev

(8)

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
(3.3)	4.2	0.9	(3.3)	9.1	5.8	(3.3)	8.0	4.7
1057	4.3	1.0		9.1	5.8		7.5	4.2
8+00	4.3	1.0	10+00	9.1	5.8	12+00	6.8	3.5
	4.2	0.9		9.2	5.9		6.0	2.7
	4.2	}	11+00	9.2	5.9		4.4	1.1
	4.2			9.0	5.7	1103	3.2	+0.1
	4.2	0.9		9.0	5.7		2.4	+0.9
50	4.5	1.2	50	9.1	5.8	50	1.8	+1.5
	4.7	1.4		9.0	5.7		1.0	+2.3
	4.8	1.5		8.8	5.5		0.3	+3.0 ✓
	4.8	1.5		8.8	}			
	4.8	1.5		8.8				
9+00	5.0	1.7	11+00	8.8		5.5		
	5.0	1.7		8.6	5.3			
	5.1	1.8		8.5	5.2			
	5.1	1.8		8.4	5.1			
	5.8	2.5		8.3	5.0			
50	7.2	3.9	50	8.0	4.7			
	8.0	4.7		8.0	4.7			
	9.0	5.7 ✓		7.9	4.6			

8-14-56

W. 88+00; SOUND NORTH

⑨

W. 88+00; 0+00=N. 14,000; SOUND NORTH

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
			11:11	3.7	0.5	2+00	3.9	0.7
0+00	3.6	0.4	(3.2)	3.8	0.6	4+00	3.9	0.7
			(3.2)	3.8	0.6	5+00	4.0	0.8
				3.8	0.6	6+00	4.1	0.9
				3.9	0.7	7+00	4.2	1.0
				3.9	0.7	8+00	4.2	1.0
50	3.9	0.7		3.9	0.7	9+00	4.3	1.1
				3.9	0.7	10+00	4.3	1.1
				4.0	0.8	11+00	4.7	1.5
				3.9	0.7	12+00	4.8	1.6
				3.9	0.7	13+00	4.6	1.4
1+00	3.8	0.6		4.0	0.8	14+00	4.6	1.4
				4.1	0.9	15+00	4.2	1.0
			3+00	4.0	0.8	16+00	4.3	1.1
				4.0		17+00	4.7	1.5
				3.8		18+00	4.7	1.5
				3.8		19+00	4.7	1.5
50	3.8	0.6		4.0	0.8	20+00	5.0	1.8
				4.1	0.9	21+00	5.1	1.9
			50	3.7	0.5	22+00	5.6	2.4
				3.6	0.4	23+00	6.8	3.6
				3.7	0.5	24+00	6.8	3.6

11:11	3.7	0.5	2+00	3.9	0.7	4+00	3.9	0.7	6+00	6.0	2.8
(3.2)	3.8	0.6		4.0	0.8		4.0	0.8		5.2	2.0
	3.8	0.6		4.0	0.8		4.1	0.9		5.0	1.8
	3.9	0.7		3.9	0.7		4.2	1.0		4.2	1.0
	3.9	0.7		3.9	0.7		4.3	1.1		4.1	0.9
50	3.9	0.7	50	3.9	0.7	50	4.3	1.1	50	4.1	0.9
	4.0	0.8		4.0	0.8		4.7	1.5		4.0	0.8
	3.9	0.7		3.9	0.7		4.8	1.6		4.0	
	3.9	0.7		3.9	0.7		4.6	1.4		4.0	
1+00	3.8	0.6		4.0	0.8		4.6	1.4		4.0	
	3.8		3+00	4.1	0.9	0.95+00	4.2	1.0	7+00	4.0	
	3.8			4.0	0.8		4.3	1.1		4.0	0.8
	3.8			4.0			4.7	1.5		4.1	0.9
	3.8			4.0			4.7	1.5		4.1	0.9
50	3.8	0.6		4.0	0.8		5.0	1.8		4.2	1.0
	3.7	0.5	50	4.1	0.9	50	5.1	1.9	50	4.2	
	3.6	0.4		3.9	0.7		5.6	2.4		4.2	
	3.7	0.5		3.9	0.7		6.8	3.6		4.4	1.0

	4.1	0.9		4.1	0.9		4.1	0.9		4.1	0.9
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.8	1.6		4.8	1.6		4.8	1.6		4.8	1.6
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	5.0	1.8		5.0	1.8		5.0	1.8		5.0	1.8
	5.1	1.9		5.1	1.9		5.1	1.9		5.1	1.9
	5.6	2.4		5.6	2.4		5.6	2.4		5.6	2.4
	6.8	3.6		6.8	3.6		6.8	3.6		6.8	3.6

	4.1	0.9		4.1	0.9		4.1	0.9		4.1	0.9
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.8	1.6		4.8	1.6		4.8	1.6		4.8	1.6
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	5.0	1.8		5.0	1.8		5.0	1.8		5.0	1.8
	5.1	1.9		5.1	1.9		5.1	1.9		5.1	1.9
	5.6	2.4		5.6	2.4		5.6	2.4		5.6	2.4
	6.8	3.6		6.8	3.6		6.8	3.6		6.8	3.6

	4.1	0.9		4.1	0.9		4.1	0.9		4.1	0.9
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.8	1.6		4.8	1.6		4.8	1.6		4.8	1.6
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	5.0	1.8		5.0	1.8		5.0	1.8		5.0	1.8
	5.1	1.9		5.1	1.9		5.1	1.9		5.1	1.9
	5.6	2.4		5.6	2.4		5.6	2.4		5.6	2.4
	6.8	3.6		6.8	3.6		6.8	3.6		6.8	3.6

	4.1	0.9		4.1	0.9		4.1	0.9		4.1	0.9
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.8	1.6		4.8	1.6		4.8	1.6		4.8	1.6
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	5.0	1.8		5.0	1.8		5.0	1.8		5.0	1.8
	5.1	1.9		5.1	1.9		5.1	1.9		5.1	1.9
	5.6	2.4		5.6	2.4		5.6	2.4		5.6	2.4
	6.8	3.6		6.8	3.6		6.8	3.6		6.8	3.6

	4.1	0.9		4.1	0.9		4.1	0.9		4.1	0.9
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.8	1.6		4.8	1.6		4.8	1.6		4.8	1.6
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.6	1.4		4.6	1.4		4.6	1.4		4.6	1.4
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	4.7	1.5		4.7	1.5		4.7	1.5		4.7	1.5
	5.0	1.8		5.0	1.8		5.0	1.8		5.0	1.8
	5.1	1.9		5.1	1.9		5.1	1.9		5.1	1.9
	5.6	2.4		5.6	2.4		5.6	2.4		5.6	2.4
	6.8	3.6		6.8	3.6		6.8	3.6		6.8	3.6

	4.1	0.9		4.1	0.9		4.1	0.9		4.1	0.9
	4.2	1.0		4.2	1.0		4.2	1.0		4.2	1.0
	4.3	1.1		4.3	1.1		4.3	1.1		4.3	1.1
	4.3	1.1		4.3							

8-14-56						W. 90+00; SOUND NORTH					
W. 90+00; 0+00 = N. 14,000; SOUND NORTH						W. 90+00; SOUND NORTH					
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
						11.32	4.0	0.8	(3.2)	4.1	0.9
(3.2)	3.4	0.2	(3.2)	3.8	0.6	(3.2)	3.9	0.7		4.1	0.9
11.30	3.4	0.2	2+00	3.8	0.6	2+00	3.9	0.7	6+00	4.0	0.8
	3.5	0.3		3.8	0.6		3.9	0.7		4.0	0.8
	3.7	0.5		3.7	0.5		4.0	0.8		4.1	0.9
	3.8	0.6		3.9	0.7		3.9	0.7		4.1	
50	3.8			3.8	0.6		3.9	0.7		4.1	
	3.8		50	3.8	0.6	50	3.9	0.7	50	4.1	
	3.8			3.8	0.6		4.0	0.8	11.33	4.1	0.9
	3.8			3.9	0.7		4.0			4.5	1.3
	3.8			3.9			4.0			4.5	1.3
1+00	3.8			3.9			4.0			4.6	1.4
	3.8	0.6	3+00	3.9		5+00	4.0		7+00	4.6	
	3.9	0.7		3.9	0.7		4.0			4.6	
	3.8	0.6		4.0	0.8		4.0			4.6	1.4
	3.8			4.0	0.8		4.0	0.8		4.7	1.5
50	3.8			3.9	0.7		4.1	0.9		4.7	1.5
	3.8	0.6	50	4.0	0.8	50	4.0	0.8	50	4.7	1.5
	3.7	0.5		4.0	0.8		4.1	0.9		4.8	1.6
	3.7	0.5 ✓		4.0	0.8 ✓		4.1	0.9 ✓		5.0	1.8 ✓

W. 90+00; SOUND NORTH 8-14-56

Dist	Sound	Elev	Dist	Sound	Elev
(3.2)	4.9	1.7	(3.2)	9.9	6.7
	5.1	1.9		9.8	6.6
8+00	5.3	2.1	10+00	9.8	6.6
11.35	5.8	2.6		9.2	6.0
<u>2</u>	6.0	2.8		9.5	6.3
	6.1	2.9		9.2	6.0
	6.6	3.4		9.0	5.8
50	7.4	4.2	50	9.0	5.8
	9.7	6.5		8.8	5.6
	10.6	7.4		8.2	5.0
	10.9	7.7		7.5	4.3
	11.0	7.8		7.0	3.8
9+00	10.8	7.6	11+00	6.3	3.1
	11.0	7.8		5.5	2.3
	10.9	7.7		4.0	0.8
	10.7	7.5		3.0	+0.2
	10.5	7.3		1.8	+1.4
50	10.3	7.1	50	1.0	+2.1
	10.5	7.3		0.6	+2.6
	10.1	6.9		0.0	+3.8

8-13-56 (12)

N. 134+00; 0+00 - W. 8,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	5.0	+0.1	(5.1)	5.3	0.2
2:30	5.0		2+00	5.0	+0.1
(5.1)	5.0			5.1	0.0
	5.0			6.5	+1.4
	5.0			6.5	+1.4
50	5.0	+0.1		7.0	+1.9
	5.1	0.0	50	5.6	+0.5
	5.2	0.1	2:32	5.6	+0.5
	5.5	0.4		5.0	+0.1
	5.2	0.1		5.0	+0.1
1+00	5.0	+0.1		5.0	+0.1
	5.0		3+00	5.5	0.4
	5.0			5.5	0.4
	5.0	+0.1		5.2	0.1
	5.2	0.1		5.2	0.1
50	5.2	0.1		5.7	0.6
	5.2	0.1	50	5.5	0.4
	5.3	0.2		5.3	0.2
	6.3	1.2		5.2	0.1

✓ N. 134+00; SOUND EAST 8-13-56

Dist	Sound	Elev	Dist	Sound	Elev
2:33	5.2	0.1	(5.1)	5.3	0.2
(5.1)	5.5	0.4		5.2	0.1
4+00	5.5	0.4	6+00	5.1	0.0
	5.7	0.6		5.0	+0.1
	5.8	0.7		5.0	+0.1
	5.6	0.5		5.5	0.4
	5.8	0.7		5.3	0.2
50	5.5	0.4	50	5.0	+0.1
	5.2	0.1		5.2	0.1
	5.2	0.1		5.0	+0.1
	5.3	0.2		5.0	+0.1
	5.4	0.3		5.0	+0.1
5+00	5.1	0.0	7+00	5.1	0.0
	5.2	0.1		5.2	0.1
	5.1	0.0		5.2	0.1
	5.1	}		5.1	0.0
	5.1			5.0	+0.1
50	5.1	0.0	50	4.9	+0.2
	5.5	0.4		4.7	+0.4
	5.6	0.5 ✓		4.8	+0.3 ✓

✓ N. 134+00; SOUND EAST (13)

Dist	Sound	Elev	Dist	Sound	Elev
2:35	4.7	+0.4	(5.2)	4.0	+1.2
	4.7	+0.4		4.0	+1.2
8+00	4.7	+0.4	10+00	4.0	+1.2
(5.1)	4.6	+0.5		3.8	+1.4
	4.8	+0.3		3.7	+1.5
	4.8	+0.3		3.6	+1.6
	4.8	+0.3		3.1	+2.1
50	4.6	+0.5	50	3.5	+1.7
	4.8	+0.3		3.7	+1.5
	4.8	+0.3	2:38	3.5	+1.7
	4.5	+0.6		3.3	+1.9
	4.5	+0.6		3.2	+2.0
9+00	4.2	+0.9	11+00	3.5	+1.7
	4.1	+1.0		3.2	+2.0
	4.1	+1.0		3.2	}
	4.5	+0.6		3.2	
	4.2	+0.9		3.2	+2.0
50	4.2	+0.9	50	3.0	+2.2
	4.0	+1.1		3.0	+2.2
	3.8	+1.3 ✓		3.0	+2.2 ✓

JN. 134+00; SOUND EAST ✓ B-13-56
 Dist Sound Elev Dist Sound Elev

(5.2)	3.0	+2.2	(5.2)	1.7	+3.5
	2.9	+2.3		2.0	+3.2
12+00	2.8	+2.4	14+00	1.8	+3.4
	2.7	+2.5		1.8	
	3.0	+2.2		1.8	
	2.8	+2.4		1.8	+3.4
2:40	2.7	+2.5		1.6	+3.6
50	2.6	+2.6	50	1.5	+3.7
	2.6	+2.6	(Cont'd) MB 90, P 945		
	2.8	+2.4			
	2.7	+2.5			
	2.6	+2.6			
13+00	2.5	+2.7	15+00		
	2.3	+2.9			
	2.0	+3.2			
	2.0	+3.2			
	2.2	+3.0			
50	2.0	+3.2	50		
	2.0	+3.2			
	2.0	+3.2			

JN. 134+00; SOUND WEST ✓ 100=W 8000 (2)
 Dist Sound Elev Dist Sound Elev

0+00	5.0		2+00	5.0	+0.3	
	2:52	5.0	+0.2	2:53	5.1	+0.2
	(5.2)	5.1	+0.1	(5.3)	5.2	+0.1
		5.1			5.0	+0.3
		5.1			5.1	+0.3
	50	5.1		50	5.1	+0.2
		5.1	+0.1		5.0	+0.3
		5.2	0.0		5.0	+0.3
		5.3	0.1		5.1	+0.2
		5.5	0.3		5.1	
	1+00	5.8	0.6	3+00	5.1	
		5.6	0.4		5.1	
		5.2	0.0		5.1	
		5.2	0.0		5.1	
	50	5.1	+0.1	50	5.1	
		5.3	0.1		5.1	
		5.1	+0.1		5.1	
		5.1	+0.1		5.1	
		5.2	0.0		5.1	+0.2

✓ JN. 134+00; SOUND WEST 8-13-56

Dist	Sound	Elev	Dist	Sound	Elev
4+00	5.2	+0.1	6+00	5.2	+0.1
(5.3)	5.1	+0.2	(5.3)	5.2	
<u>2.55</u>	5.1			5.2	
	5.1			5.2	
	5.1			5.2	
50	5.1	+0.2	50	5.2	
	5.0	+0.3		5.2	
	5.1	+0.2		5.2	
	5.2	+0.1		5.2	
	5.1	+0.2		5.2	
5+00	5.1	+0.2	7+00	5.2	
	5.2	+0.1		5.2	+0.1
	5.1	+0.2		5.1	+0.2
	5.2	+0.1		5.2	+0.1
	5.2			5.2	
50	5.2		50	5.2	
	5.2	+0.1		5.2	
	5.1	+0.2		5.2	+0.1
	5.2	+0.1		5.1	+0.2
	5.2	+0.1		5.1	+0.1

JN. 134+00; SOUND WEST (15)

Dist	Sound	Elev	Dist	Sound	Elev
8+00	5.1	+0.2	10+00	4.2	+1.1
(5.3)	5.0	+0.3	(5.3)	4.2	+1.1
	5.1	+0.3		4.0	+1.3
	5.1	+0.2		4.1	+1.2
	5.0	+0.3		4.1	+1.2
50	4.9	+0.4	50	3.9	+1.4
	4.9	+0.4		3.9	+1.4
	4.8	+0.5	<u>3.00</u>	3.7	+1.6
<u>3.58</u>	4.8	+0.5		3.6	+1.7
	4.8	+0.5		3.4	+1.9
9+00	5.0	+0.3	11+00	3.1	+2.2
	4.8	+0.5		2.8	+2.5
	4.8	+0.5		2.5	+2.8
	4.7	+0.6		1.6	+3.7
	4.6	+0.7		1.2	+4.1
50	4.7	+0.6	50	1.4	+3.9
	4.6	+0.7		1.3	+4.0
	4.5	+0.8		1.2	+4.1
	4.3	+1.0		1.2	+4.1
	4.2	+1.1		1.3	+4.0

✓ N. 134+00; SOUND WEST 8-13-56

Dist	Sound	Elev	Dist	Sound	Elev
12+00	1.5	+3.8	14+00	5.0	+0.3
(5.3)	1.6	+3.7	303	5.2	+0.1
3102	1.8	+3.5	(5.3)	5.0	+0.3
<u> </u>	2.0	+3.3		5.3	0.0
	2.0	+3.3		5.5	0.2
50	2.5	+2.8	50	5.7	0.4
	2.8	+2.5		5.7	0.4
	2.8	+2.5		5.8	0.5
	2.9	+2.4		6.0	0.7
	2.8	+2.5		5.9	0.6
13+00	3.0	+2.3	15+00	5.8	0.5
	3.4	+1.9		5.8	0.5
	4.0	+1.3		5.8	0.5
	4.0			5.9	0.6
	4.0			5.9	0.6
50	4.0	+1.3	50	6.0	0.7
	4.1	+1.2		6.0	0.7
	4.3	+1.0		6.0	0.7
	4.5	+0.8		5.9	0.6
	4.7	+0.6 ✓		6.0	0.7 ✓

✓ N. 134+00; SOUND WEST (6)

Dist	Sound	Elev	Dist	Sound	Elev
16+00	5.9	0.6	18+00	5.6	0.3
(5.3)	5.9		305	5.7	0.4
	5.9		(5.3)	5.7	0.4
	5.9			5.6	0.3
	5.9			5.7	0.4
50	5.9		50	5.8	0.5
	5.9			5.6	0.3
	5.9			5.7	0.4
	5.9	0.6		5.7	
	6.0	0.7		5.7	
17+00	6.0	0.7	19+00	5.7	0.4
	5.9	0.6		5.8	0.5
	5.8	0.5		5.6	0.3
	5.8	0.5		5.5	0.2
	5.9	0.6		5.6	0.3
50	5.8	0.5	50	5.4	0.1
	5.9	0.6		5.1	+0.2
	5.9	0.6		5.0	+0.3
	5.9	0.6		5.0	+0.3
	5.7	0.4 ✓		5.1	+0.2
			20+00	5.0	+0.3 ✓

(Contd M. B. Fb 93, Pg. 8)

8-14-56

W. 92+00; 0+00 = N. 14,000 Sound North					
Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.3	0.0	(3.3)	3.2	+0.1
11:45	3.4	0.1	2+00	3.3	0.0
(3.3)	3.5	0.2	11:47	3.3	0.0
	3.5	0.2		3.5	0.2
	3.5	0.2		3.5	0.2
50	3.4	0.1		3.4	0.1
	3.4	0.1	50	3.5	0.2
	3.8	0.5		3.4	0.1
	3.7	0.4		3.4	0.1
	3.6	0.3		3.5	0.2
1+00	3.7	0.4		3.6	0.3
	3.8	0.5	3+00	3.6	0.3
	3.8	0.5		3.5	0.2
	3.7	0.4		3.6	0.3
	3.3	0.0		3.6	0.3
50	3.6	0.3		3.7	0.4
	3.5	0.2	50	3.7	0.4
	3.5	0.2		3.8	0.5
	3.5	0.2		3.9	0.6

8-14-56

Dist Sound Elev					
11:48	3.9	0.6	(3.3)	4.1	0.8
(3.3)	4.0	0.7		4.2	0.9
4+00	3.8	0.5	6+00	4.2	0.9
	3.7	0.4		4.3	1.0
	3.9	0.6		4.3	1.0
	3.9	0.6		4.2	0.9
	4.0	0.7		4.1	0.8
50	4.0	0.7	50	4.1	
	4.0	0.7		4.1	
	4.1	0.8		4.1	0.8
	4.1			4.2	0.9
	4.1			4.3	1.0
5+00	4.1		7+00	4.3	1.0
	4.1	0.8		4.6	1.3
	4.2	0.9		4.7	1.4
	4.2	0.9		4.7	1.4
	4.2			4.9	1.6
50	4.2		50	5.1	1.8
	4.2	0.9		5.3	2.0
	4.1	0.8		6.0	2.7

JW. 92+00; SOUND NORTH 8-14-56

JW. 94+00; 0+00-N. 14 000; SOUND NORTH (10)

Dist	Sound	Elev	Dist	Sound	Elev
<u>3.3</u> 11.52	7.0	3.7	<u>3.3</u>	9.3	6.0
	8.5	5.2	<u>11.53</u>	9.2	5.9
8+00	9.5	6.2	<u>10+00</u>	9.0	5.7
	10.1	6.8		8.3	5.0
	10.3	7.0		7.8	4.5
	10.4	7.1		6.9	3.6
	10.5	7.2		5.8	2.5
50	10.4	7.1	50	5.1	1.8
	10.5	7.2		4.0	0.7
	10.4	7.1		3.0	+0.3
	10.2	6.9		2.0	+1.3
	10.3	7.0		1.3	+2.0
9+00	10.1	6.8	<u>11+00</u>	1.0	+2.3
	10.1	6.8	<u>11.55</u>	0.5	+2.8
	10.1	6.8			
	10.0	6.7			
	10.0	6.7			
50	9.9	6.6			
	9.5	6.2			
	9.5	6.2			

Dist	Sound	Elev	Dist	Sound	Elev
<u>3.4</u> 0+00	3.4	0.0	2+00	3.5	0.1
<u>12.03</u>	3.5	0.1	<u>3.4</u>	3.2	+0.2
	3.6	0.2		3.3	+0.1
	3.6	0.2		3.2	+0.2
	3.6	0.2		3.3	+0.1
50	3.5	0.1	50	3.3	+0.1
	3.6	0.2	<u>12.05</u>	3.4	0.0
	3.6	0.2		3.2	+0.2
	3.6	0.2		3.2	+0.2
	3.7	0.3		3.2	+0.2
	3.6	0.2	3+00	3.3	+0.1
	3.7	0.3		3.8	0.4
	3.6	0.2		3.7	0.3
	3.7	0.3		3.8	0.4
	3.7	0.3		3.9	0.5
50	3.6	0.2	50	3.9	0.5
	3.6	0.2		3.9	0.5
	3.6	0.4		4.0	0.6
	4.1	0.7		4.1	0.7
	3.8	0.4		4.1	0.7

W. 94+00; SOUND NORTH 8-14-56

Dist	Sound	Elev	Dist	Sound	Elev
4+00	4.1	0.7	6+00	4.2	0.8
<u>1206</u>	4.2	0.8	(3.4)	4.3	0.9
(3.4)	4.2	0.8		4.2	0.8
	4.2	0.8		4.3	0.9
	4.1	0.7		4.3	0.9
50	4.2	0.8	50	4.3	0.9
	4.3	0.9		4.5	1.1
	4.3	0.9		4.5	1.1
	4.3	0.9		4.5	1.1
	4.2	0.8		4.8	1.4
5+00	4.3	0.9	7+00	5.1	1.7
	4.5	1.1		6.0	2.6
	4.4	1.0		7.0	3.6
	4.5	1.1	<u>1208</u>	8.5	5.1
	4.4	1.0		9.2	5.8
50	4.5	1.1	50	9.8	6.4
	4.4	1.0		10.0	6.6
	4.3	0.9		10.2	6.8
	4.2	0.8		10.5	7.1
	4.3	0.9 ^v		10.3	6.9 ^v

W. 94+00; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
8+00	10.2	6.8	10+00	3.2	+0.2
(3.4)	10.5	7.1	(3.4)	2.8	+0.6
	10.3	6.9		2.2	+1.2
<u>1210</u>	10.4	7.0		1.8	+1.6
	10.3	6.9		1.3	+2.1
50	10.4	7.0	50	1.0	+2.4
	10.3	6.9		0.6	+2.8
	10.0	6.6		0.0	+3.4 ^v
	10.0	6.6			
	9.7	6.3			
9+00	9.2	5.8			
	9.1	5.7			
	9.0	5.6			
	9.1	5.7			
	9.0	5.6			
50	8.6	5.2			
	8.1	4.7			
	7.2	3.8			
	5.2	1.8			
	4.0	0.6 ^v			

(9)

8-14-56

W. 96+00; 0+00 = N. 14, 000 SOUND NORTH

DIST	SOUND	Elev	DIST	SOUND	Elev
0+00	3.4	+0.3	(3.7)	4.0	0.3
1.08	3.4		2+00	3.9	0.3
(3.7)	3.4		1.0	4.1	0.4
	3.4	+0.3		4.0	0.3
	3.3	+0.4		4.1	0.4
50	3.5	+0.2		4.2	0.5
	3.6	+0.1	50	4.1	0.4
	3.8	0.1		4.1	0.4
	3.9	0.2		4.2	0.5
	3.9	0.2		4.3	0.6
1+00	3.8	0.1		4.3	0.6
	3.6	+0.1	3+00	4.4	0.7
	3.6	+0.1		4.3	0.6
	3.9	0.2		4.3	0.6
	3.8	0.1		4.5	0.8
50	3.8	0.1		4.5	0.8
	3.9	0.2	50	4.5	0.8
	4.0	0.3		4.9	1.2
	3.9	0.2		4.9	1.2

W. 96+00; SOUND NORTH

(20)

DIST	SOUND	Elev	DIST	SOUND	Elev
(3.7)	4.7	1.0	(3.8)	4.0	0.2
	4.9	1.2		4.0	
1+00	4.9		6+00	4.0	
	4.9			4.0	0.2
	4.9	1.2		4.5	0.7
	4.8	1.1		4.5	0.7
	4.9	1.2		4.9	1.1
50	4.8	1.1	50	5.3	1.5
	4.9	1.2		6.2	2.4
	4.8	1.1	113	7.1	3.3
	4.7	1.0		8.2	4.4
	4.7	1.0		9.8	6.0
5+00	4.6	0.9	7+00	10.0	6.2
	4.5	0.8		10.3	6.5
	4.3	0.6		10.5	6.7
	4.2	0.5		10.8	7.0
	4.0	0.3		10.8	7.0
50	4.1	0.4	50	11.0	7.2
	4.1	0.4		11.0	7.2
	4.1	0.4		10.9	7.1

SW. 96+00; SOUND NORTH 8-14-56 ✓

Dist	Sound	Elev	Dist	Sound	Elev
(3.8)	10.8	7.0	(3.8)	1.7	+2.1
	10.8	7.0		1.9	+1.9
8+00	10.8	7.0	10+00	2.0	+1.8
	10.8	7.0		1.5	+2.3
	10.5	6.7		1.8	+2.0
<u>1:15</u>	10.2	6.4		1.5	+2.3
<u>50</u>	10.1	6.3		1.5	+2.3
50	10.0	6.2	50	1.4	+2.4
	9.8	6.0		1.2	+2.6
	9.4	5.6		1.0	+2.8
	9.0	5.2	<u>11.8</u>	0.8	+3.0
	8.5	4.7		0.6	+3.2
9+00	7.1	3.3	11+00	0.0	+3.8 ✓
	6.1	2.3			
	4.0	0.2			
	3.0	+0.8			
	2.1	+1.7			
50	2.0	+1.8			
	1.7	+2.1			
	1.8	+2.0			

B-14-56

W. 98+00; 0+00 = N. 14, 000; SOUND NORTH (2)

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.3	+0.6	(3.9)	4.8	0.9
<u>1:27</u>	3.4	+0.5	2+00	4.8	
(3.9)	3.5	+0.4		4.8	
	3.5	+0.4		4.8	0.9
	3.4	+0.5	<u>1:30</u>	4.9	1.0
50	3.4	+0.5	<u>50</u>	4.9	1.0
	3.4	+0.5	50	5.0	1.1
	3.5	+0.4		5.0	1.1
	3.5	+0.4		5.1	1.2
	3.6	+0.3		5.1	1.2
1+00	3.5	+0.4		5.2	1.3
	3.5	+0.4	3+00	5.3	1.4
	3.6	+0.3		5.4	1.5
	4.0	0.1		5.4	1.5
	4.1	0.2		5.4	1.5
50	4.2	0.3		5.2	1.3
	4.3	0.4	50	5.2	1.3
	4.5	0.6		5.1	1.2
	4.8	0.9 ✓		5.1	1.2 ✓

W. 98+00; SOUND NORTH 8-14-56

Dist Sound Elev Dist Sound Elev

(3.9)	5.1	1.2	(3.9)	5.8	1.9
	5.1	1.2		5.7	1.8
4+00	5.0	1.1	6+00	5.9	2.0
<u>1.32</u>	5.0	}	<u>1.33</u>	6.8	2.9
<u>5.0</u>	5.0		<u>8.0</u>	4.1	
	5.0	1.1		9.9	6.0
	4.9	1.0		10.8	6.9
50	4.9	1.0	50	11.2	7.3
	4.8	0.9		11.1	7.2
	4.7	0.8		11.4	7.5
	4.7	0.8		11.6	7.7
	4.4	0.5		11.0	7.1
5+00	4.2	0.3	7+00	11.0	7.1
	4.1	0.2		10.4	6.5
	4.0	0.1		10.0	6.1
	4.0	}		7.0	3.1
	4.0			6.0	2.1
50	4.0	0.1	50	6.2	2.3
	4.1	0.2		6.0	2.1
	4.7	0.8 ^v		6.0	2.1 ^v

W. 96+00; SOUND NORTH

(22)

Dist Sound Elev Dist Sound Elev

(3.9)	6.1	2.2	(4.0)	1.2	+2.8
	5.9	2.0		0.9	+3.1
8+00	5.2	1.3	10+00	0.9	+3.1
	5.0	1.1		1.0	+3.0
	4.8	0.9		1.0	+3.0
<u>1.35</u>	4.0	0.1	<u>1.38</u>	1.1	+2.9
<u>3.2</u>	+0.7		<u>1.0</u>	+3.0	
50	2.9	+1.0	50	1.3	+2.7
	3.1	+0.8		1.2	+2.8
	3.2	+0.7		1.0	+3.0
	2.9	+1.0		1.1	+2.9
	2.3	+1.6		1.0	+3.0
9+00	1.8	+2.1	11+00	1.0	+3.0
	1.5	+2.4		1.0	+3.0
	1.5	+2.4		0.7	+3.3
	1.6	+2.3	<u>1.40</u>	0.3	+3.7 ^v
	1.7	+2.2			
50	1.8	+2.1			
	1.5	+2.4			
	1.3	+2.6 ^v			

8-14-56						W 100+00; SOUND NORTH ✓					
W. 100+00; 0+00=N. 14,000; SOUND NORTH						Dist Sound Elev Dist Sound Elev					
						(4.0)	4.5	0.5	(4.1)	8.6	4.5
0+00	4.2	0.2	(4.0)	5.0	1.0		4.4	0.4		11.1	7.0
1.47	4.6	0.6	2+00	5.1	1.1	4+00	4.5	0.5	6+00	10.8	6.7
(4.0)	4.9	0.9		5.2	1.2		4.5	0.5		11.0	6.9
	4.9	0.9		5.2	1.2		4.6	0.6		11.0	6.9
	4.8	0.8		5.3	1.3		4.5	0.5		11.0	6.9
50	4.8	0.8		5.2	1.2		4.4	0.4		10.8	6.7
	4.8	0.8	50	5.5	1.5	50	4.5	0.5	50	10.7	6.6
	4.7	0.7		5.5	1.5		4.5	0.5	1.53	10.5	6.4
	4.7	0.7		5.3	1.3		4.6	0.6		10.0	5.9
	4.8	0.8	1:50	5.5	1.5		4.8	0.8		9.5	5.4
1+00	4.7	0.7		5.4	1.4		4.9	0.9		9.2	5.1
	4.8	0.8	3+00	5.2	1.2	5+00	5.0	1.0	7+00	8.8	4.7
	4.8			5.1	1.1		5.2	1.2		8.0	3.9
	4.8			5.1	1.1		5.3	1.3		7.3	3.2
	4.8			5.1	1.1		5.5	1.5		6.5	0.4
50	4.8	0.8		5.0	1.0		5.7	1.7		5.5	0.4
	4.9	0.9	50	5.0	1.0	50	6.0	2.0	50	4.5	0.4
	5.0	1.0		4.9	0.9		7.0	3.0		4.0	+0.1
	5.0	1.0 ✓		4.7	0.7 ✓		8.1	4.1 ✓		3.0	+1.1 ✓

W. 100+00; SOUND NORTH V. 8-14-56

Dist	Sound	Elev	Dist	Sound	Elev
(4.1)	2.5	+1.6	(4.1)	2.2	+1.9
	2.4	+1.7		2.3	+1.8
8+00	2.5	+1.6	10+00	2.5	+1.6
	2.3	+1.8		2.7	+1.4
	2.2	+1.9		2.7	+1.4
1:55	2.1	+2.0		2.7	+1.4
	2.1	+2.0		2.9	+1.2
50	2.2	+1.9	50	2.8	+1.3
	2.1	+2.0		3.0	+1.1
	2.0	+2.1		3.6	+0.5
				3.6	+0.5
				3.3	+0.8
			11+00	3.2	+0.9
				3.1	+1.0
				3.1	+1.0
				2.8	+1.3
				2.0	+2.1
9+00	2.0		50	1.3	+2.8
	2.0			0.8	+3.3
	2.0	+2.1		0.8	+3.3
	2.1	+2.0		0.9	+3.2
	3.2	+0.9		0.8	+3.3
50	3.1	+1.0	12+00	1.0	+3.1
	2.5	+1.6		0.7	+3.4
	2.2	+1.9	1:58	0.6	+3.5
				0.5	+3.6
			12+00	0.0	+4.0

8-14-56 W. 136+00; 0+00 = W. 8,000; SOUND EAST (24)

Dist	Sound	Elev	Dist	Sound	Elev
0+00	4.3	0.1	(4.3)	5.5	1.2
2:10	4.3	0.1	2+00	5.4	0.8
(4.2)	4.2	0.0	2:13	5.0	0.7
	5.0	0.8		4.4	0.1
	5.1	0.9		4.8	0.5
50	5.8	1.6		4.5	0.2
	6.0	1.8	50	4.5	0.2
	5.6	1.6		4.5	0.2
	5.8	1.6		4.8	0.5
	7.2	3.0		4.6	0.3
1+00	4.5	0.3		4.6	0.3
	4.7	0.5	3+00	4.7	0.4
	4.4	0.2		4.8	0.5
	4.7	0.5		4.8	
	5.0	0.8		4.8	
50	5.8	1.6		4.8	0.5
	6.0	1.8	50	4.4	0.1
	6.1	1.9		4.6	0.3
	6.2	2.0		4.6	0.3

N. 136+00; SOUND EAST 8-12-56

N. 136+00; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
(4.3)	4.8	0.5	(4.4)	4.5	0.1
<u>2.5</u>	4.8	0.5		4.4	0.0
4+00	4.8	0.5	6+00	4.3	+0.1
	4.7	0.4		4.3	+0.1
	4.8	0.5		4.3	
	4.7	0.4		4.3	
	4.6	0.3		4.3	
50	4.6	0.3	50	4.3	
	4.5	0.2		4.3	
	4.6	0.3		4.3	+0.1
	4.6			4.5	0.1
	4.6			4.3	+0.1
5+00	4.6		7+00	4.3	+0.1
	4.6			4.4	0.0
	4.6			4.0	+0.1
	4.6			4.0	+0.1
	4.6	0.3	<u>2.8</u>	4.0	+0.4
50	4.3	0.0	50	4.1	+0.5
	4.3	0.0		3.8	+0.6
	4.4	0.1		3.8	+0.6

Dist	Sound	Elev	Dist	Sound	Elev
(4.4)	3.9	+0.5	(4.4)	3.0	+1.4
	3.9	+0.5		3.1	+1.3
8+00	3.9	+0.5	10+00	3.1	
	4.0	+0.4		3.1	
	3.8	+0.6		3.1	
	3.8	+0.6		3.1	+1.3
	3.6	+0.8		2.9	+1.5
50	4.0	+0.4	50	3.0	+1.4
	3.7	+0.7		2.8	+1.6
	3.7	+0.7		3.0	+1.4
	3.6	+0.8		3.0	+1.4
<u>2.2</u>	3.6	+0.8		2.7	+1.7
9+00	3.8	+0.6	11+00	2.7	+1.7
	3.5	+0.9		3.0	+1.4
	3.5	+0.9		2.8	+1.6
	3.3	+1.1		2.8	+1.6
	3.3	+1.1		2.8	+1.6
50	3.2	+1.2	50	2.3	+2.1
	3.2	+1.2		2.8	+1.6
	3.2	+1.2		2.7	+1.7

N. 136+00; SOUND WEST 8-14-56

Dist	Sound	Elev	Dist	Sound	Elev
2+35	4.7	0.2	(4.5)	4.8	0.3
2+00	4.8	0.3	4+00	4.9	0.4
(4.3)	4.8	0.3	<u>2+37</u>	4.9	0.4
	4.8	0.3		5.0	0.5
	4.7	0.2		4.9	0.4
	4.9	0.4		4.9	0.4
50	4.9	0.4	50	4.9	0.4
	4.9	0.4		5.0	0.5
	4.8	0.3		4.9	0.4
	4.9	0.4		4.8	0.3
	5.0	0.5		4.9	0.4
3+00	4.8	0.3	5+00	4.9	0.4
	4.8	0.3		5.0	0.5
	4.9	0.4		4.9	0.4
	4.9			4.9	0.4
	4.9			4.8	0.3
50	4.9	0.4	50	4.9	0.4
	5.0	0.5		4.8	0.3
	4.9	0.4		4.8	0.3
	4.8	0.3		4.8	0.3

N. 136+00; SOUND WEST ✓

Dist	Sound	Elev	Dist	Sound	Elev
(4.3)	4.7	0.2	(4.5)	4.8	0.3
6+00	5.0	0.5	8+00	4.8	0.3
	4.9	0.4		4.7	0.2
	4.9	0.4		4.3	+0.2
	4.9	0.4		4.5	0.0
	4.8	0.3		4.5	0.0
50	4.9	0.4	50	4.9	0.4
	4.9	0.4		4.6	0.1
	4.9	0.4		4.5	0.0
	4.8	0.3		4.6	0.1
	4.9	0.4		4.5	0.0
7+00	4.9		9+00	4.5	0.0
	4.9			4.4	+0.1
	4.9			4.3	+0.2
	4.9			4.3	+0.2
	4.9			4.2	+0.3
50	4.9	0.4	50	4.9	0.4
	4.8	0.3		4.2	+0.3
	4.8	0.3		4.1	+0.4
	4.8	0.3		4.1	+0.4

W 136+00; SOUND WEST ✓ 8-14-56

Dist	Sound	Elev	Dist	Sound	Elev
(4.5)	4.1	+0.4	(4.6)	3.0	+1.6
10+00	4.1	+0.4	12+00	3.1	+1.5
	3.9	+0.6		3.1	+1.5
	4.0	+0.5		3.1	+1.5
242	4.0	+0.5		3.5	+1.1
<u>2</u>	3.8	+0.7		3.1	+1.5
50	4.0	+0.5	50	3.1	+1.5
	4.0	+0.5		3.2	+1.4
	4.0	+0.5		3.5	+1.1
	3.8	+0.7		3.2	+1.4
	3.8			3.5	+1.1
11+00	3.8		13+00	3.5	+1.1
	3.8	+0.7		3.4	+1.2
	3.5	+1.0	245	3.6	+1.0
	3.5	+1.0	<u>2</u>	3.5	+1.1
	3.3	+1.2		4.0	+0.6
50	3.2	+1.3	50	4.0	+0.6
	3.2	+1.3		4.1	+0.5
	3.4	+1.1		4.4	+0.2
	3.4	+1.1		4.3	+0.3

W 136+00; SOUND WEST ✓ (28)

Dist	Sound	Elev	Dist	Sound	Elev
(4.6)	4.5	+0.1	247	4.9	0.3
14+00	4.5	+0.1	16+00	4.8	0.2
	4.7	0.1	(4.6)	5.0	0.4
	4.8	0.2		5.0	0.4
	4.7			4.9	0.3
	4.8			5.0	0.4
50	4.8		50	5.0	0.4
	4.8			4.9	0.3
	4.8			4.9	0.3
	4.8			4.8	0.2
	4.8			4.9	0.3
15+00	4.8		17+00	4.9	0.3
	4.8	0.2		4.9	0.3
	4.9	0.3		5.0	0.4
	4.8	0.2		4.9	0.3
	5.0	0.4		4.8	0.2
50	5.0		50	4.9	0.3
	5.0			4.9	0.3
	5.0			5.0	0.4
	5.0	0.4		5.0	0.4

WN. 136+00; SOUND WEST 8-14-56

DIST SOUND Elev DIST SOUND Elev

DIST	SOUND	Elev	DIST	SOUND	Elev
(4.7)	4.8	0.1		4.6	+0.1
18+00	4.8	0.1	20+00	4.4	+0.3
2.49	4.8	0.1	(cont'd MB93, P96)		
2.0	4.7	0.0			
2.0	4.8	0.1			
2.0	4.8	0.1			
50	4.7	0.0			
2.0	4.7				
2.0	4.7				
2.0	4.7				
2.0	4.7	0.0			
19+00	4.6	+0.1			
2.0	4.4	+0.3			
2.0	4.5	+0.2			
2.0	4.5	+0.2			
2.0	4.2	+0.5			
50	4.4	+0.3			
2.50	4.6	+0.1			
2.0	4.5	+0.2			
2.0	4.6	+0.1			

8-15-56

N. 138+00; 0+00 = W. 8,000; SOUND EAST

(29)

DIST	SOUND	Elev	DIST	SOUND	Elev
0+00	3.9	0.3	(3.6)	3.8	0.2
2.49	4.8	1.2	2+00	4.0	0.4
2.45	4.8	1.2		4.0	0.4
2.0	5.0	1.4		3.9	0.3
(3.6)	4.2	0.6		4.0	0.4
50	4.0	0.4		3.9	0.3
	3.8	0.2	50	4.0	0.4
	4.0	0.4		3.8	0.3
	3.9	0.3	2.47	4.0	0.4
	4.0	0.4		4.0	0.4
1+00	4.0			3.9	0.3
	4.0		3+00	3.9	0.3
	4.0			3.9	0.3
	4.0			3.8	0.2
	4.0	0.4		3.9	0.3
50	4.5	0.0		3.8	0.2
	4.2	0.6	50	3.8	0.2
	4.0	0.4		3.7	0.1
	4.0	0.4		3.2	+0.4

√N. 138+00; SOUND EAST ✓ 8-15-56

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(3.6)	3.5	+0.1		3.5	+0.1
	3.5	+0.1		3.4	+0.2
4+00	3.6	0.0	6+00	3.5	+0.1
	3.7	0.1		3.5	+0.1
	3.7	0.1		3.5	+0.1
	3.6	0.0		3.5	+0.1
	3.7	0.1		3.5	+0.1
50	3.7	0.1	50	3.5	+0.1
	3.8	0.2		3.5	+0.1
	3.8	0.2		3.6	0.0
	3.5	+0.1	9.50	3.4	+0.2
	3.6	0.0	(3.6)	3.5	+0.1
5+00	3.7	0.1	7+00	3.5	+0.1
	3.5	+0.1		3.5	+0.1
	3.5	+0.1		3.4	+0.2
	3.7	0.1		3.4	+0.2
	3.5	+0.1		3.3	+0.3
50	3.7	0.1	50	3.3	+0.3
	3.8	0.2		3.2	+0.4
	3.7	0.1 ✓		3.1	+0.5

√N. 138+00; SOUND EAST ✓ (30)

DIST	SOUND	ELEV	DIST	SOUND	ELEV
	3.1	+0.5		2.4	+1.2
	3.1	+0.5		2.3	+1.3
8+00	3.1	+0.5	10+00	2.3	+1.3
	3.1	+0.5		2.3	+1.3
	3.1	+0.5	9.52	2.3	+1.3
	3.0	+0.6	(3.6)	2.2	+1.4
	2.9	+0.7		2.1	+1.5
50	2.9	+0.7	50	2.0	+1.6 ¹⁰
	2.9	+0.7		1.9	+1.7 ¹²
	2.9	+0.7		1.9	+1.7
	2.8	+0.8		1.9	+1.7
	2.6	+1.0		1.8	+1.8
9+00	2.6	+1.0	11+00	1.8	+1.8
	2.6	+1.0		1.8	+1.8
	2.6	+1.0		1.7	+1.9 ¹⁵
	2.4	+1.2		1.5	+2.1 ¹¹
	2.5	+1.1		1.4	+2.2
50	2.5	+1.1	50	1.4	+2.2
	2.3	+1.3		1.3	+2.3
	2.2	+1.4 ✓		1.2	+2.4 ✓

√ N. 138+00; SOUND EAST 8-15-56

Dist Sound Elev Dist Sound Elev

	1.2	+2.4			
<u>9.53</u>	1.2	+2.4			
<u>36</u> 12+00	1.2	+2.4	14+00		
	1.1	+2.5			
	1.1	+2.5			
	1.0	+2.6			
	1.0	+2.6			
50	1.0	+2.6	50		
	0.8	+2.8			
	0.7	+2.9			
	0.9	2.7			
	0.8	+2.8			
13+00	0.8	+2.8	15+00		
	0.6	+3.0			
13+20	0.5	+3.1 ✓			

(Cont'd MB 90, Pg 46)

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√ N. 138+00; SOUND WEST ✓

Dist Sound Elev Dist Sound Elev

0+00			2+00	3.9	0.4
<u>10.10</u>	3.8	0.3	<u>10.12</u>	3.8	0.3
<u>3.5</u>	4.8	1.3	<u>3.5</u>	5.0	1.5
	4.2	0.7		5.2	1.7
	6.0	2.5		4.9	1.4
50	6.0	2.5	50	4.9	1.4
	5.7	2.2		4.8	1.3
	4.0	0.5		4.2	0.7
	4.1	0.6		3.8	0.3
	3.9	0.4		4.0	0.5
1+00	4.1	0.6	3+00	3.8	0.3
	3.8	0.3		3.8	0.3
	3.8	0.3		3.9	0.4
	5.5	2.0	<u>10.13</u>	3.8	0.3
	5.0	1.5	<u>3.5</u>	3.9	0.4
50	5.4	1.9	50	4.1	0.6
	4.2	0.7		4.1	0.6
	4.8	1.3		4.0	0.5
	3.8	0.3		4.0	0.5
	3.8	0.3 ✓		4.0	0.5 ✓

✓ N. 138+00; SOUND WEST ✓ 8-15-56

✓ N. 138+00; SOUND WEST ✓

(32)

N. 138+00; SOUND WEST ✓ 8-15-56			N. 138+00; SOUND WEST ✓			N. 138+00; SOUND WEST ✓			(32)		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
4+00	3.9	0.4	6+00	4.0	0.5	8+00	3.7	0.2	10+00	3.8	0.3
	4.0	0.5		4.0	0.5	10+17	3.6	0.1		3.8	0.3
	4.0	0.5		4.0	0.5	(3.5)	3.6	0.1		3.6	0.1
	4.0	0.5		4.0	0.5		3.6	0.1	10+18	3.6	0.1
	4.1	0.6		4.0	0.5		3.6	0.1	(3.5)	3.5	0.0
50	4.0	0.5	50	4.0	0.5	50	3.7	0.2	50	3.4	+0.1
	4.1	0.6		4.0	0.5		3.7	0.2		3.4	+0.1
	4.1	0.6		3.8	0.3		3.7	0.2		3.4	+0.1
	4.0	0.5		4.0	0.5		3.6	0.1		3.3	+0.2
	4.1	0.6		4.0	0.5		3.5	0.0		3.4	+0.1
5+00	4.2	0.7	7+00	3.9	0.4	9+00	3.5	0.0	11+00	3.4	+0.1
	4.1	0.6		3.9	0.4		3.5	0.0		3.3	+0.2
	4.2	0.7		3.8	0.3		3.5	0.0		3.3	+0.2
10+15	4.1	0.6		3.7	0.2		3.6	0.1		3.3	+0.2
	4.0	0.5		3.8	0.3		3.6	0.1		3.3	+0.2
50	3.9	0.4	50	3.8	0.3	50	3.6	0.1	50	3.3	+0.2
(3.5)	3.9	0.4		3.9	0.4		3.7	0.2		3.3	+0.2
	4.0	0.5		3.9	0.4		3.6	0.1		3.3	+0.2
	3.8	0.3		3.9	0.4		3.8	0.3		3.4	+0.1
	3.8	0.3		3.8	0.3		3.8	0.3 ✓		3.3	+0.2 ✓

N. 138+00; SOUND WEST 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
12+00	3.4	+0.1	14+00	4.0	0.5
	3.4	+0.1		4.0	0.5
	3.4	+0.1		4.0	0.5
	3.3	+0.2		4.0	0.5
	3.4	+0.1		4.0	0.5
50	3.3	+0.2	50	4.0	0.5
1020	3.3	+0.2		4.0	0.5
<u>3.5</u>	3.3	+0.2		3.9	0.4
	3.5	0.0		3.9	0.4
	3.4	+0.1		3.9	0.4
13+00	3.5	0.0	15+00	3.8	0.3
	3.6	0.1		4.0	0.5
	3.7	0.2		3.9	0.4
	3.7	0.2		3.7	0.2
	3.8	0.3		3.7	0.2
50	3.9	0.4	50	3.7	0.2
	3.8	0.3		3.7	0.2
	3.9	0.4		3.6	0.1
	3.9	0.4		3.6	0.1
	4.0	0.5		3.5	0.0

N. 138+00; SOUND WEST ✓

Dist	Sound	Elev	Dist	Sound	Elev
16+00	3.5	0.0	18+00	3.0	+0.5
	3.6	0.1		3.0	+0.5
	3.6	0.1		3.0	+0.5
	3.6	0.1		3.0	+0.5
	3.5	0.0		2.9	+0.6
50	3.5	0.0	50	2.8	+0.7
	3.4	+0.1		2.9	+0.6
	3.4	+0.1		3.0	+0.5
	3.3	+0.2		2.8	+0.7
	3.3	+0.2		2.8	+0.7
17+00	3.3	+0.2	19+00	2.8	+0.7
	3.3	+0.2		3.0	+0.5
<u>3.5</u>	3.1	+0.4		2.9	+0.6
	3.2	+0.3	1025	3.0	+0.4
	3.1	+0.4	<u>3.4</u>	2.8	+0.6
50	3.1	+0.4	50	2.7	+0.7
	3.1	+0.4		2.8	+0.6
	3.0	+0.5		2.8	+0.6
	3.0	+0.5		2.8	+0.6
	2.8	+0.7 ✓		2.7	+0.7 ✓
			20+00	3.0	+0.4 ✓

(Contd MBFB 93, Pg. 3)

8-15-56

N. 140+00; 0+00 = W. 8,000; SOUND EAST

N. 140+00; SOUND EAST

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Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
							4.0	0.6		3.6	0.2
0+00	3.6	0.2		3.9	0.5	<u>16:37</u>	4.0	0.6		3.5	0.1
<u>10:35</u>	3.7	0.3	2+00	3.8	0.4	<u>4+00</u>	4.0	0.6	6+00	3.5	0.1
<u>(3.4)</u>	4.1	0.7		3.9	0.5	(3.7)	4.0	0.6		3.4	0.0
	4.2	0.8		3.9	0.5		4.0	0.6		3.4	0.0
	4.3	0.9		3.8	0.4		4.0	0.6		3.5	0.1
50	4.3	0.9		3.9	0.5		3.8	0.4		3.7	0.3
	4.3	0.9	50	3.9	0.5	50	3.8	0.4	50	3.5	0.1
	4.1	0.7		4.0	0.6		3.8	0.4		3.5	0.1
	3.8	0.4		3.9	0.5		3.7	0.3		3.5	0.1
	3.8	0.4		4.0	0.6		3.8	0.4		3.4	0.0
1+00	3.8	0.4		3.9	0.5		4.0	0.6		3.3	+0.1
	3.8	0.4	3+00	3.9	0.5	5+00	4.0	0.6	7+00	3.3	+0.1
	3.8	0.4		3.9	0.5		4.0	0.6		3.5	0.1
	4.0	0.6		4.0	0.6		3.9	0.5		3.5	0.1
	4.1	0.7		4.0	0.6		3.8	0.4		3.5	0.1
50	3.9	0.5		3.9	0.5		3.8	0.4		3.3	+0.1
	3.9	0.5	50	4.0	0.6	50	3.8	0.4	50	3.4	0.0
	3.9	0.5		4.1	0.7		3.8	0.4		3.3	+0.1
	3.9	0.5		4.0	0.6		3.7	0.3 ✓		3.4	0.0 ✓

SN. 140+00; SOUND EAST V 8-15-56

DIST SOUND Elev DIST SOUND Elev

3.4 0.0 2.0 +1.4

1040 3.5 0.1 2.0 +1.4

8+00 3.4 0.0 10+00 1.9 +1.5

(3.4) 3.2 +0.2 1.7 +1.7

3.0 +0.4 1.5 +1.9

3.1 +0.3 1.6 +1.8

3.0 +0.4 1.2 +2.2

50 3.0 +0.4 50 1.2 +2.2

2.9 +0.5 1.1 +2.3

2.8 +0.6 1.0 +2.4

2.7 +0.7 1043 0.9 +2.5

2.7 +0.7 0.8 +2.6

9+00 2.6 +0.8 11+00 0.8 +2.6

2.7 +0.7 0.8 +2.6

2.6 +0.8 0.6 +2.8

2.4 +1.0 0.5 +2.9

2.2 +1.2 0.4 +3.0

50 2.1 +1.3 50 50 50

2.3 +1.1 (Contd MB 90, P 947)

2.0 +1.4

N. 140+00; SOUND EAST

DIST SOUND Elev DIST SOUND Elev

(35)

12+00 14+00

50 50

13+00 15+00

50 50

N. 140+00; SOUND WEST V 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
0+00			2+00	3.9	0.6
10.52	4.0	0.7		4.0	0.7
3.3	3.9	0.6		3.9	0.6
(3.3)	4.0	0.7		3.8	0.5
	4.1	0.8		4.1	0.6
50	4.0	0.7	50	4.2	0.7
	4.0	0.7		4.1	0.8
	4.0	0.7	1055	3.9	0.6
	4.0	0.7	3.3	4.0	0.7
	4.0	0.7	(3.3)	5.0	1.7
1+00	3.9	0.6	3+00	5.2	1.7
	4.3	1.0		4.3	1.0
	4.2	0.9		4.4	1.1
	4.3	1.0		5.0	1.7
	3.9	0.6		5.7	2.4
50	4.0	0.7	50	5.4	2.1
	4.3	1.0		5.7	2.4
	4.4	1.1		5.6	2.3
	4.0	0.7		5.0	1.7
	4.0	0.7 ^v		4.9	1.6 ^v

N. 140+00; SOUND WEST V

(36)

Dist	Sound	Elev	Dist	Sound	Elev
4+00	5.6	2.3	6+00	4.1	0.8
	4.0	0.7		4.2	0.9
	4.1	0.8	1058	4.2	0.9
	4.0	0.7	3.3	4.2	0.9
	4.1	0.8		4.2	0.9
50	4.1	0.8	50	4.3	1.0
	4.0	0.7		4.2	0.9
	4.0	0.7		4.3	1.0
	4.0	0.7		4.3	1.0
	4.3	1.0		4.2	0.9
5+00	4.3	1.0	7+00	4.0	0.7
	4.0	0.7		4.0	0.9
	4.1	0.8		4.0	0.7
	3.9	0.6		4.1	0.8
	4.0	0.7		4.1	0.8
50	4.0	0.7	50	4.1	0.8
	4.2	0.9		4.1	0.8
	4.3	1.0		4.0	0.7
	4.0	0.7		4.0	0.7
	4.0	0.7 ^v		4.0	0.7 ^v

N. 140+00; SOUND WEST 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
8+00	4.1	0.8	10+00	3.8	0.5
	4.0	0.7		3.9	0.6
	4.1	0.8		3.9	0.6
1100	4.1	0.8		4.0	0.7
<u>(3.3)</u>	4.0	0.7		3.9	0.6
50	4.0	0.7	50	3.9	0.6
	4.0	0.7		3.9	0.6
	4.0	0.7		3.9	0.6
	4.0	0.7		4.0	0.7
	4.0	0.7		4.1	0.8
9+00	4.0	0.7	11+00	3.9	0.6
	4.0	0.7		3.7	0.4
	4.1	0.8		3.9	0.6
	4.1	0.8		4.0	0.7
	4.1	0.8		3.9	0.6
50	4.0	0.7	50	3.9	0.6
	4.0	0.7		3.9	0.6
	3.8	0.5		3.9	0.6
	3.9	0.6		3.9	0.6
	3.9	0.6 ✓		3.9	0.6

N. 140+00; SOUND WEST ✓

Dist	Sound	Elev	Dist	Sound	Elev
12+00	3.9	0.6	14+00	3.8	0.5
	3.9	0.6		3.8	0.5
	3.9	0.6		4.0	0.7
	3.9	0.6		3.8	0.5
	3.9	0.6		3.7	0.4
50	3.9	0.6	50	3.9	0.6
	3.9	0.6		3.7	0.4
	3.9	0.6		3.6	0.3
	4.0	0.7		3.3	0.0
	3.9	0.6		3.2	+0.1
13+00	4.0	0.7	15+00	3.1	+0.2
	4.0	0.7		3.1	+0.2
	4.0	0.7		3.2	+0.1
1103	3.9	0.6		3.2	+0.1
<u>(3.3)</u>	4.0	0.7		3.2	+0.1
50	3.9	0.6	50	3.2	+0.1
	3.9	0.6		3.2	+0.1
	3.9	0.6		3.2	+0.1
	3.9	0.6		3.1	+0.2
	3.9	0.6 ✓		3.0	+0.3 ✓

JN. 140+00; SOUND WEST 8-15-56
 DIST SOUND ELEV DIST SOUND ELEV

DIST	SOUND	ELEV	DIST	SOUND	ELEV
16+00	3.0	+0.3	18+00	3.0	+0.3
	3.0	+0.3		3.0	+0.3
	3.0	+0.3		3.0	+0.3
	3.0	+0.3		2.9	+0.4
	3.0	+0.3		2.9	+0.4
50	3.0	+0.3	50	2.9	+0.4
	3.0	+0.3		2.9	+0.4
1105	3.0	+0.3		2.9	+0.4
<u>3.3</u>	3.0	+0.3		2.9	+0.4
	3.0			2.9	+0.4
17+00	3.0		19+00	2.9	+0.4
	3.0			2.9	+0.4
	3.0			2.9	+0.4
	3.0	+0.3		2.8	+0.5
	3.0			2.9	+0.4
50	3.0		50	3.1	+0.2
	3.0			3.7	0.4
(N. 142+00) P. 40	3.0		1107	3.9	0.6
	3.0		<u>3.3</u>	4.0	0.7
	3.0	+0.3		3.9	0.6
(Contd MBFB93, Pg. 1) →			20+00	4.0	0.7

8-16-56
 W. 102+00; 0+00; = N. 14,000 SOUND NORTH V(30)

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	3.9	0.6	120	4.0	0.7
118	3.9	0.6	2+00	3.7	0.4
<u>3.3</u>	3.9	0.6	<u>3.3</u>	3.9	0.6
	3.9	0.6		3.9	0.6
	3.9	0.6		3.7	0.4
50	3.9	0.6		3.7	0.4
	4.0	0.7	50	3.7	0.4
	4.0	0.7		3.8	0.5
	4.0	0.7		3.7	0.4
	4.0	0.7		3.8	0.5
1+00	4.0	0.7		3.7	0.4
	3.9	0.6	3+00	3.7	0.4
	3.9	0.6		3.5	0.2
	3.9	0.6		3.4	0.1
	3.8	0.5		3.5	0.2
50	3.8	0.5		3.4	0.1
	3.8	0.5	50	3.3	0.0
	3.8	0.5		3.5	0.2
	3.8	0.5		3.5	0.2

J.W. 102+00; SOUND NORTH ✓
 DIST SOUND Elev DIST SOUND Elev

12+00

8-15-56 (40)
 N. 142+00; 0+00 = W. 8,000; SOUND EAST ✓

DIST SOUND Elev DIST SOUND Elev

0+00	3.7	0.4		3.8	0.5
11.8	3.7	0.4	2+00	4.1	0.8
<u>3.3</u>	3.8	0.5	1120	4.0	0.7
	3.8	0.5	<u>3.3</u>	3.7	0.4
	3.9	0.6		3.8	0.5
50	4.0	0.7		3.9	0.6
	4.0	0.7	50	3.9	0.6
	3.7	0.4		3.6	0.3
	3.6	0.3		3.7	0.4
	3.5	0.2		3.7	0.4
1+00	3.7	0.4		3.8	0.5
	4.0	0.7	3+00	3.6	0.3
	3.8	0.5		3.4	0.1
	4.0	0.7		3.5	0.2
	3.6	0.3		3.3	0.0
50	3.8	0.5		3.3	0.0
	3.9	0.6	50	3.5	0.2
	4.0	0.7		3.2	+0.1
	3.9	0.6 ✓		3.2	+0.1 ✓

✓ N. 142+00; SOUND EAST ✓ 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
	3.2	+0.1		3.2	+0.1
	3.2	+0.1		3.2	+0.1
4+00	3.3	0.0	6+00	3.4	0.1
1122	3.4	0.1		3.4	0.1
<u>3.3</u>	3.4	0.1		3.3	0.0
	3.4	0.1		3.2	+0.1
	3.7	0.4		3.3	0.0
50	3.5	0.2	50	3.3	0.0
	3.5	0.2		3.5	0.2
	3.6	0.3		3.6	0.3
	3.3	0.0		3.6	0.3
	3.2	+0.1		3.3	0.0
5+00	3.4	0.1	7+00	3.1	+0.2
	3.5	0.2		3.0	+0.3
	3.5	0.2		3.0	
	3.5	0.2		3.0	
	3.6	0.3		3.0	+0.3
50	3.4	0.1	50	2.9	+0.4
	3.3	0.0		3.0	+0.3
	3.2	+0.1		3.0	+0.3

✓ N. 142+00; SOUND EAST ✓ (41)

Dist	Sound	Elev	Dist	Sound	Elev
	1125	2.9		1.7	+1.6
	<u>3.3</u>	2.9		1.6	+1.7
8+00	2.9		10+00	1.5	+1.8
	2.9	+0.4		1.4	+1.9
	2.7	+0.6		1.4	+1.9
	2.8	+0.3		1.3	+2.0
	2.8			1.2	+2.1
50	2.8		50	1.1	+2.2
	2.8	+0.5		1.0	+2.3
	2.6	+0.7		1.0	+2.3
	2.5	+0.8		0.7	+2.6
	2.4	+0.9		0.8	+2.5
9+00	2.1	+1.2	11+00	0.7	+2.6
	2.1	+1.2		0.7	+2.6
	2.3	+1.0	1127	0.8	+2.5
	2.4	+0.9	<u>3.3</u>	0.6	+2.7
	1.9	+1.4		0.6	+2.7
50	2.0	+1.3	50	0.5	+2.8
	1.9	+1.4		0.5	+2.8
	1.7	+1.6	11+70	0.3	+3.0

(Cont'd MB 90, P 947)

√ N. 142+00; SOUND EAST ✓ 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
	3.2	+0.1		3.2	+0.1
	3.2	+0.1		3.2	+0.1
4+00	3.3	0.0	6+00	3.4	0.1
<u>1122</u>	3.4	0.1		3.4	0.1
<u>3.3</u>	3.4	0.1		3.3	0.0
	3.4	0.1		3.2	+0.1
	3.7	0.4		3.3	0.0
50	3.5	0.2	50	3.3	0.0
	3.5	0.2		3.5	0.2
	3.6	0.3		3.6	0.3
	3.3	0.0		3.6	0.3
	3.2	+0.1		3.3	0.0
5+00	3.4	0.1	7+00	3.1	+0.2
	3.5	0.2		3.0	+0.3
	3.5	0.2		3.0	
	3.5	0.2		3.0	
	3.6	0.3		3.0	+0.3
50	3.4	0.1	50	2.9	+0.4
	3.3	0.0		3.0	+0.3
	3.2	+0.1		3.0	+0.3

√ N. 142+00; SOUND EAST ✓ (4)

Dist	Sound	Elev	Dist	Sound	Elev
<u>1125</u>	2.9	+0.4		1.7	+1.6
<u>3.3</u>	2.9			1.6	+1.7
8+00	2.9		10+00	1.5	+1.8
	2.9	+0.4		1.4	+1.9
	2.7	+0.6		1.4	+1.9
	2.8	+0.3		1.3	+2.0
	2.8			1.2	+2.1
50	2.8		50	1.1	+2.2
	2.8	+0.5		1.0	+2.3
	2.6	+0.7		1.0	+2.3
	2.5	+0.8		0.7	+2.6
	2.4	+0.9		0.8	+2.5
9+00	2.1	+1.2	11+00	0.7	+2.6
	2.1	+1.2		0.7	+2.6
	2.3	+1.0	1127	0.8	+2.5
	2.4	+0.9	<u>3.3</u>	0.6	+2.7
	1.9	+1.4		0.6	+2.7
50	2.0	+1.3	50	0.5	+2.8
	1.9	+1.4		0.5	+2.8
	1.7	+1.6	11+70	0.3	+3.0 ✓

(Contd MB 90, P 947)

√ N. 142+00; SOUND EAST 8-15-56
Dist Sound Elev Dist Sound Elev

12+00

50

13+00

8-15-56 (42)
√ N. 144+00; 0+00 = N. 8,000; SOUND EAST ✓

Dist Sound Elev Dist Sound Elev

0+00 3.5 0.3 3.1 +0.1

11.40 3.4 0.2 2+00 3.3 0.1

(3.2) 3.3 0.1 3.2 0.0

3.2 0.0 3.2 0.0

3.5 0.3 3.3 0.1

50 3.5 0.3 3.3 0.1

3.4 0.0 50 3.3 0.1

3.2 0.0 3.1 +0.1

3.4 0.2 3.1 +0.1

3.1 +0.1 3.2 0.0

1+00 3.3 0.1 3.2

3.3 0.1 3+00 3.2

3.3 0.1 3.2

3.4 0.2 3.2

3.3 0.1 3.2

50 3.4 0.2 3.2 0.0

3.5 0.3 50 3.1 +0.1

3.5 0.3 3.0 +0.2

3.3 0.1 ✓ 3.2 0.0 ✓

✓ N. 144+00; SOUND EAST ✓ 8-15-56

DIST SOUND Elev DIST SOUND Elev

1143 3.2 0.0 2.9 +0.3

(3.2) 3.3 0.1 3.0 +0.2

4+00 3.2 0.0 6+00 3.0 +0.2

3.1 +0.1 3.0 +0.2

3.1 +0.1 1145 2.8 +0.4

3.1 +0.1 (3.2) 3.0 +0.2

3.2 0.0 3.0 +0.2

50 3.1 +0.1 50 2.8 +0.4

3.2 0.0 2.8 +0.4

3.1 +0.1 2.9 +0.3

3.1 +0.1 2.8 +0.4

3.1 +0.1 2.8 +0.4

5+00 3.0 +0.2 7+00 2.9 +0.3

3.0 2.7 +0.5

3.0 2.8 +0.4

3.0 +0.2 2.8

3.1 +0.1 2.8

50 3.1 50 2.8 +0.4

3.1 2.6 +0.6

3.1 +0.1 ✓ 2.7 +0.5 ✓

✓ N. 144+00; SOUND EAST ✓

DIST SOUND Elev DIST SOUND Elev

2.7 +0.5 1.8 +1.4

2.6 +0.6 1.6 +1.6

8+00 2.7 +0.5 10+00 2.0 +1.2

1147 2.6 +0.6 1.8 +1.4

(3.2) 2.7 +0.5 2.0 +1.2

2.6 +0.6 1.6 +1.6

2.4 +0.8 1.4 +1.8

50 2.4 +0.8 50 1.5 +1.7

2.3 +0.9 1.4 +1.8

2.3 +0.9 1.7 +1.5

2.3 +0.9 1.6 +1.6

2.2 +1.0 1.6 +1.6

9+00 2.2 +1.0 11+00 1.6 +1.6

2.0 +1.2 1.5 +1.7

2.0 +1.2 1.4 +1.8

1.8 +1.4 1.2 +2.0

2.0 +1.2 1150 1.2 +2.0

50 1.9 +1.3 50 1.0 +2.2

1.8 +1.4 (3.2) 1.0 +2.2

1.9 +1.3 ✓ 0.6 +2.6 ✓

(23)

✓ N. 144+00; SOUND EAST ✓
 Dist Sound Elev Dist Sound Elev

(3.2)	0.6	+2.6			
	0.7	+2.5			
12+00	0.6	+2.6			
	0.5	+2.7			
	0.5	+2.7			
12+30	0.5	+2.7 ✓			

(Contd MB 90, Pg. 48)

8-15-56 (44)
 N. 146+00; 0+00 - W. B. 000; SOUND EAST ✓

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	0.3		3.2	0.0
1203	3.3	0.1	2+00	3.5	0.3
(3.2)	3.5	0.3	1205	3.3	0.1
	3.5		(3.2)	3.4	0.2
	3.5			3.4	0.2
50	3.5			3.3	0.1
	3.5		50	3.3	0.1
	3.5			3.2	0.0
	3.5			3.3	0.1
	3.5	0.3		3.2	0.0
1+00	3.6	0.4		3.2	0.0
	3.6	0.4	3+00	3.3	0.1
	3.5	0.3		3.3	0.1
	3.5	0.3		3.2	0.0
	3.4	0.2		3.2	
50	3.5	0.3		3.2	
	3.3	0.1	50	3.2	0.0
	3.3	0.1		3.3	0.1
	3.3	0.1 ✓		3.1	+0.1 ✓

N. 146+00; SOUND EAST ✓ 8-15-56

Dist Sound Elev Dist Sound Elev

3.1 +0.1 3.0 +0.2

1207

3.1 3.0

4+00

3.1 6+00 3.0

(3.2)

3.1 3.0

3.1 3.0

3.1 3.0

3.1 +0.1 3.0

50 3.2 0.0 50 3.0 +0.2

3.2 0.0 2.9 +0.3

3.1 +0.1 2.8 +0.4

3.2 0.0 2.8 +0.4

3.1 +0.1 2.7 +0.5

5+00 3.1 7+00 2.6 +0.6

3.1 2.8 +0.4

3.1 +0.1 2.9 +0.3

3.2 0.0 2.8 +0.4

3.1 +0.1 2.8

50 3.1 +0.1 50 2.8

3.1 +0.1 2.8

3.0 +0.2 ✓ 2.8 +0.4 ✓

N. 146+00; SOUND EAST ✓

Dist Sound Elev Dist Sound Elev

2.7 +0.5 (3.2) 1.7 +1.5

2.5 +0.7 1.8 +1.4

8+00 2.6 +0.6 10+00 1.7 +1.5

2.5 +0.7 1.7 +1.5

2.5 +0.7 1.6 +1.6

1210

2.4 +0.8 1.3 +1.9

(3.2)

2.4 +0.8 1.4 +1.8

50 2.1 +1.1 50 1.4 +1.8

2.2 +1.0 1.6 +1.6

2.0 +1.2 1.5 +1.7

2.0 +1.2 1.4 +1.8

1.9 +1.3 1.4 +1.8

9+00 1.9 +1.3 11+00 1.3 +1.9

2.0 +1.2 1.2 +2.0

1.8 +1.4 1.2 +2.0

1.9 +1.3 1.0 +2.2

1.8 +1.4 1.0

50 1.8 +1.4 50 1.0

1.8 +1.4 1.0 +2.2

1.7 +1.5 ✓ 0.8 +2.4 ✓

✓ VN. 146+00; SOUND EAST 8-15-56

Dist Sound Elev

(3.2) 0.9 +2.3

0.9 +2.3

12+00 0.8 +2.4

0.7 +2.5

0.6 +2.6

0.6

0.6

50 0.6

0.6

0.6

0.6 +2.6

0.5 +2.7

13+00 0.5 +2.7 ✓ (N148+00 P. 53)

(cont'd MB 90, P 48)

8-15-56

✓ W. 78+00; 0+00 = N 15,000 SOUND NORTH ✓ (46)

Dist Sound Elev Dist Sound Elev

0+00 3.6 0.2 (3.4) 8.0 4.6

11.15 3.6 0.2 2+00 7.9 4.5

(3.4) 3.8 0.4 11.17 7.8 4.4

3.8 0.4 7.7 4.3

3.8 0.4 7.5 4.1

50 4.0 0.6 8.1 4.7

3.9 0.5 50 8.0 4.6

3.8 0.4 7.9 4.5

3.8 0.4 7.9 4.5

4.0 0.6 8.0 4.6

1+00 4.0 0.6 7.9 4.5

4.0 0.6 3+00 8.0 4.6

4.1 0.7 8.0 4.6

4.0 0.6 8.1 4.7

4.2 0.8 8.1 4.7

50 5.0 1.6 8.1 4.7

6.0 2.6 50 8.2 4.8

7.1 3.7 8.2 4.8

8.8 4.6 ✓ 8.2 4.8 ✓

W. 78+00; SOUND NORTH 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
(34)	8.5	5.1		0.5	+2.9'
<u>118</u>	8.7	5.3			
4+00	9.0	5.6	6+00		
	9.0	5.6			
	9.0	5.6			
	9.1	5.7			
	9.1	5.7			
50	9.1	5.7	50		
	8.7	5.3			
	8.2	4.8			
	7.5	4.1			
	6.8	3.4			
5+00	6.0	2.6			
	5.1	1.7			
	4.2	0.8			
	3.6	0.2			
<u>1120</u>	2.9	+0.7			
50	2.3	+1.1			
	1.7	+1.7			
	0.8	+2.8			

8-15-56

W. 76+00; 0+00 = N. 15,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	0.1	(34)	4.1	0.7
<u>1128</u>	3.5	0.1	2+00	4.3	0.9
	3.3	+0.1		5.0	1.6
(34)	3.2	+0.2		6.2	2.8
	3.4	0.0		7.4	4.0
50	3.3	+0.1		8.0	4.6
	3.4	0.0	50	8.4	5.0
	3.3	+0.1		8.2	4.8
	3.5	0.1	<u>130</u>	8.1	4.7
	3.6	0.2		8.2	4.8
1+00	3.6	0.2		8.3	4.9
	3.5	0.1	3+00	8.3	
	3.6	0.2		8.3	
	3.5	0.1		8.3	4.9
	3.7	0.3		8.4	5.0
50	3.8	0.4		8.5	5.1
	4.0	0.6	50	8.7	5.3
	4.0	0.6		9.0	5.6
	4.0	0.6		9.0	5.6

W. 76+00; SOUND NORTH V 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
(3.4)	9.1	5.7	(3.5)	10.1	6.6
	9.1	5.7		10.0	6.5
4+00	9.1	5.7	6+00	10.1	6.6
	9.2	5.8		10.0	6.5
	9.3	5.9		10.0	
<u>1.32</u>	9.3	4		10.0	
	9.3			10.0	
50	9.3		50	10.0	
	9.3	5.9		10.0	6.5
	9.4	6.0		10.1	6.6
	9.6	6.2		10.1	6.6
	9.8	6.4		10.2	6.7
5+00	9.8	6.4	7+00	10.2	6.7
	9.8	6.4		10.1	6.6
	9.8	6.4		10.1	6.6
	9.9	6.5		10.1	6.6
	9.9	6.5		10.2	6.7
50	10.0	6.6	50	10.2	6.7
	10.0	6.6		10.3	6.8
	10.0	6.6 ✓		10.3	6.8 ✓

W. 76+00; SOUND NORTH V

Dist	Sound	Elev	Dist	Sound	Elev
(3.5)	10.2	6.7	(3.5)	11.0	7.5
	10.2	6.7		10.9	7.4
8+00	10.3	6.8	10+00	11.0	7.5
	10.2	6.7		11.0	7.5
	10.2	6.7		10.9	7.4
	10.2	6.7		10.9	7.4
	10.3	6.8		11.0	7.5
50	10.3	6.8	50	10.9	7.4
	10.4	6.9		11.0	7.5
	10.8	7.3		11.0	7.5
	10.8			11.0	7.5
	10.8			10.8	7.3
9+00	10.8	7.3	11+00	10.9	7.4
	11.0	7.5		11.0	7.5
	11.0	7.5		10.9	7.4
	10.9	7.4	1138	11.0	7.5
	10.9	7.4		11.0	7.5
50	10.9	7.4	50	11.0	7.5
	11.0	7.5		11.1	7.6
	10.9	7.4 ✓		11.3	7.8 ✓

W. 76+00; SOUND NORTH 8-15-51

DIST	Sound	Elev	DIST	Sound	Elev
(3.5)	11.3	7.8	(3.5)	10.9	7.4
	11.4	7.9		10.8	7.3
12+00	11.3	7.8	14+00	10.8	7.3
	11.3			10.8	7.3
	11.3			10.9	7.4
	11.3			10.9	7.4
	11.3	7.8		10.8	7.3
50	11.2	7.7	50	10.8	7.3
	11.2			11.0	7.5
	11.2			11.0	
11+40	11.2			11.0	
11+20	11.2			11.0	7.5
13+00	11.2		15+00	11.1	7.6
	11.2	7.7		11.0	7.5
	11.0	7.5		10.9	7.4
	11.0	7.5	142	10.8	7.3
	11.0	7.5		10.8	7.3
50	10.9	7.4	50	10.7	7.2
	10.9	7.4		10.8	7.3
	10.8	7.3 ✓		10.6	7.1 ✓

W. 76+00; SOUND NORTH V

DIST	Sound	Elev	DIST	Sound	Elev
(3.5)	10.7	7.2	(3.5)	2.7	+0.8
	10.9	7.4	145	1.8	+1.7
16+00	10.9	7.4	18+00	1.0	+2.5
	10.9	7.4		0.5	+3.0 ✓
	10.5	7.0			
	10.3	6.8			
	10.2	6.7			
50	10.0	6.5			
	10.0	6.5			
	10.0	6.5			
	9.8	6.3			
	9.3	5.8			
17+00	8.8	5.3			
	8.5	5.0			
	8.0	4.5			
	7.2	3.7			
	6.7	3.2			
50	5.0	1.5			
	4.0	0.5 ✓			
	3.2	+0.3			

8-15-56

W. 74+00; 0+00: N. 15,000; SOUND NORTH						N. 14+00; SOUND NORTH					
Dist		Sound		Elev		Dist		Sound		Elev	
						(3.6)	9.0	5.4	2.00	10.1	6.5
0+00	3.0	+0.6	(3.6)	3.1	+0.3	157	9.1	5.5	(3.6)	10.1	6.5
1+55	2.9	+0.7	2+00	3.1	+0.5	4+00	9.2	5.6	6+00	10.0	6.4
(3.6)	3.0	+0.6		3.2	+0.4		9.2	5.6		10.2	6.6
	3.0			3.2	+0.4		9.3	5.7		10.3	6.7
	3.0			3.2	+0.4		9.5	5.9		10.3	6.7
50	3.0			3.3	+0.3		9.7	6.1		10.2	6.6
	3.0	+0.6	50	3.6	0.0	50	9.8	6.2	50	10.3	6.7
	3.1	+0.5		4.0	0.4		9.9	6.3		10.3	
	3.1	+0.5		5.1	1.5		10.0	6.4		10.3	
	3.0	+0.6		6.8	3.2		9.9	6.3		10.3	6.7
1+00	3.0			7.5	3.9		10.0	6.4		10.2	6.6
	3.0		3+00	8.1	4.5	5+00	10.0		7+00	10.2	6.6
	3.0			8.3	4.7		10.0			10.2	6.6
	3.0			8.5	4.9		10.0	6.4		10.3	6.7
	3.0			8.7	5.1		10.1	6.5		10.3	
50	3.0			8.8	5.2		10.0	6.4		10.3	
	3.0		50	8.7	5.1	50	9.9	6.6	50	10.3	
	3.0	+0.6		9.0	5.4		10.0	6.4		10.3	6.7
	3.1	+0.5 ^v		9.0	5.4		10.1	6.5 ^v		10.4	6.8 ^v

N. 74+00; SOUND NORTH 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
(3.6)	10.6	7.0	2:03	10.9	7.2
	10.8	7.2	(3.7)	10.7	7.0
8+00	10.7	7.1	10+00	10.6	6.9
<u>2:02</u>	10.8	7.2		10.6	
	10.7	7.1		10.6	
	10.3	6.7		10.6	6.9
	10.5	6.9		10.5	6.8
50	10.3	6.7	50	10.4	6.7
	10.4	6.8		10.3	6.6
	10.5	6.9		10.2	6.5
	10.4	6.8		10.2	
	10.4	6.8		10.2	
9+00	10.3	6.7	11+00	10.2	
	10.3	6.7		10.2	
	10.3	6.7		10.2	
	10.5	6.9		10.2	6.5
	10.7	7.1		10.3	6.6
50	11.0	7.4	50	10.3	6.6
	10.8	7.2		10.4	6.7
	11.0	7.4		10.4	6.7

N. 74+00; SOUND NORTH

(57)

Dist	Sound	Elev	Dist	Sound	Elev
	10.4	6.7			
(3.7)	10.5	6.8			
12+00	10.3	6.6			
	10.1	6.4			
<u>2:05</u>	10.1				
	10.1				
	10.1	6.4			
50	10.2	6.5			
	10.2	6.5			
	10.0	6.3			
	9.8	6.1			
	9.5	5.8			
	9.3	5.6			

8-15-56

W. 72+00; 0+00 = N. 15,000; SOUND NORTH

W. 72+00; SOUND NORTH ✓

(52)

Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.5	+1.2	2.15	2.0	+1.7
2.13	2.4	+1.3	2+00	2.0	
(3.7)	2.2	+1.5	(3.7)	2.0	
	2.3	+1.4		2.0	+1.7
	2.3	+1.4		1.8	+1.9
50	2.2	+1.5		2.2	+1.5
	2.2	+1.5	50	1.9	+1.8
	2.2	+1.5		1.9	+1.8
	2.3	+1.4		2.0	+1.7
	2.0	+1.7		2.1	+1.6
1+00	2.1	+1.6		2.1	+1.6
	2.1	+1.6	3+00	1.9	+1.8
	2.0	+1.7		2.0	+1.7
	2.0			2.1	+1.6
	2.0			3.0	+0.7
50	2.0			3.8	0.1
	2.0		50	4.2	0.5
	2.0			4.9	1.2
	2.0	+1.7 ✓		5.8	2.1 ✓

Dist	Sound	Elev	Dist	Sound	Elev
(3.7)	5.8	2.1		7.4	3.7
	6.0	2.3		7.2	3.5
4+00	6.2	2.5	6+00	7.2	3.5 ✓
	6.9	3.2			
	7.1	3.4			
	7.3	3.6			
	7.6	3.9			
50	8.0	4.3	50		
	7.9	4.2			
	8.0	4.3			
	8.0	4.3			
	8.1	4.4			
	8.1	4.4	5+00	8.1	4.4
	8.0	4.3		7+00	
	8.0				
	8.0				
	8.0	4.3			
50	7.9	4.2	50		
	7.8	4.1			
	7.8	4.1 ✓			

8-15-56

N. 148+00; 0+00 = W. 8.000; SOUND EAST

N. 148+00; SOUND EAST ✓

(53)

DIST SOUND ELEV DIST SOUND ELEV

DIST	SOUND	ELEV	DIST	SOUND	ELEV	(3.8)	4.1	0.3	(3.8)	3.7	+0.1	
0+00	4.3	0.5		4.1	0.3		4.0	0.2		3.5	+0.3	
<u>2:25</u>	4.2	0.4	2+00	4.1	0.3		4+00	4.0		6+00	3.5	
	4.2	0.4	2:27	4.0	0.2			4.0			3.5	
(3.8)	4.5	0.7		4.0				4.0	0.2		3.5	+0.3
	4.2	0.4	(3.8)	4.0				3.9	0.1		3.4	+0.4
50	4.3	0.3		4.0	0.2			3.9	0.1		3.4	+0.4
	4.2	0.4	50	4.1	0.3		50	3.9	0.1	50	3.4	+0.4
	4.2			4.1	0.3			4.0	0.2		3.5	+0.3
	4.2			4.1	0.3		2:30	3.9	0.1		3.3	+0.5
	4.2			4.0	0.2			3.9		2:32	3.3	+0.5
1+00	4.2			4.0				3.9			3.3	+0.6
	4.2		3+00	4.0			5+00	3.9	0.1	7+00	3.0	+0.8
	4.2			4.0	0.2			3.8	0.0		3.2	+0.6
	4.2	0.4		3.9	0.1			3.6	+0.2		3.0	+0.8
	4.1	0.3		4.0	0.2			3.7	+0.1		3.0	
50	4.1	0.3		3.9	0.1			3.7	+0.1		3.0	
	4.2	0.4	50	3.8	0.0		50	3.7	+0.1	50	3.0	
	4.2	0.4		4.0	0.2			3.6	+0.2		3.0	+0.8
	4.2	0.4 ✓		4.0	0.2 ✓			3.6	+0.2 ✓		2.9	+0.9 ✓

JN 148+00; SOUND EAST V 8-15-56

Dist	Sound	Elev	Dist	Sound	Elev
(39)	2.8	+1.1	(39)	2.0	+1.9
	2.8	+1.1		2.0	+1.9
8+00	2.9	+1.0	10+00	2.0	+1.9
	2.8	+1.1		1.9	+2.0
	2.5	+1.4		2.0	+1.9
	2.7	+1.2		1.9	+2.0
	2.7	+1.2		2.0	+1.9
50	2.5	+1.4	50	1.9	+2.0
2:33	2.5	+1.4		1.8	+2.1
<u>2:33</u>	2.5	+1.4		1.9	+2.0
	2.6	+1.3		1.8	+2.1
	2.3	+1.6		1.8	+2.1
9+00	2.3	+1.6	11+00	1.7	+2.2
	2.2	+1.7	2:35	1.8	+2.1
	2.1	+1.8	2:35	1.7	+2.2
	2.0	+1.9		1.6	+2.3
	2.1	+1.8		1.5	+2.4
50	1.9	+2.0	50	1.5	+2.4
	2.1	+1.8		1.6	+2.3
	1.9	+2.0		1.5	+2.4

VN 148+00; SOUND EAST V (59)

Dist	Sound	Elev	Dist	Sound	Elev
(39)	1.5	+2.4			
	1.7	+2.2			
12+00	1.4	+2.5	14+00		
	1.3	+2.6			
	1.4	+2.5			
	1.3	+2.6			
	1.2	+2.7			
50	1.1	+2.8	50		
	1.1	+2.8			
	1.0	+2.9			
	1.0	+2.9			
	0.9	+3.0			
13+00	0.9	+3.0	15+00		
	1.0	+2.9			
	0.9	+3.0			
	0.9	+3.0			
2:38	0.9	+3.0			
50	0.8	+3.1			
	0.8	+3.1			
13+70	0.8	+3.1			

(cont'd MB 90, Pg 49)

8-15-56

N. 150+00; 0+00 = W. 8,000; SOUND EAST ✓

Dist	Sound	Elev	Dist	Sound	Elev
0+00	4.5	0.5	(40)	4.2	0.2
<u>2+47</u>	4.4	0.4	2+00	4.2	
(4.0)	4.3	0.3		4.2	
	4.4	0.4		4.2	0.2
	4.5	0.5		4.4	0.4
50	4.4	0.4		4.2	0.2
	4.4	0.4	50	4.2	0.2
	4.4	0.4		4.4	0.4
	4.3	0.3		4.3	0.3
	4.2	0.2		4.6	0.6
1+00	4.3	0.3		4.8	0.8
	4.2	0.2	3+00	4.5	0.5
	4.2			4.5	0.5
	4.2		<u>2+50</u>	4.5	0.5
	4.2			4.2	0.2
50	4.2	0.2		4.1	0.1
	4.1	0.1	50	4.1	0.1
	4.2	0.2		4.0	0.0
	4.2	0.2 ✓		4.0	0.0 ✓

N. 150+00; SOUND EAST ✓

DIST SOUND Elev DIST SOUND Elev (55)

DIST	SOUND	Elev	DIST	SOUND	Elev
(20)	4.1	0.1	<u>2+53</u>	3.5	+0.6
	4.0	0.0	(4.1)	3.2	+0.9
4+00	4.0	0.0	6+00	3.4	+0.7
	4.2	0.2		3.2	+0.9
	4.0	0.0		3.2	+0.9
	4.1	0.1		3.2	+0.9
	3.9	+0.1		3.1	+1.0
50	4.0	0.0	50	3.1	+1.0
	3.9	+0.1		3.0	+1.1
	3.8	+0.2		3.1	+1.0
	3.6	+0.4		3.1	+1.0
	3.8	+0.2		2.9	+1.2
5+00	3.6	+0.4	7+00	3.0	+1.1
	3.8	+0.2		3.0	+1.1
	3.7	+0.3		2.9	+1.2
	3.6	+0.4		2.8	+1.3
	3.7	+0.3		2.9	+1.2
50	3.6	+0.4	50	2.8	+1.3
	3.5	+0.5		2.9	+1.2
	3.7	+0.3 ✓		2.9	+1.2 ✓

8-16-56 8-22-56
 N.151+00; 0+00=W6880 ; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	1.4	+3.8	(52)	3.0	+2.2
(5.2)	1.7	+3.5	2+00	3.0	+2.2
10.20	1.8	+3.4		3.1	+2.1
	1.9	+3.3		3.2	+2.0
	1.9			3.2	+2.0
50	1.9			3.1	+2.1
	1.9	+3.3	50	3.2	+2.0
	2.1	+3.1		3.3	+1.9
	2.1	+3.1		3.4	+1.8
	2.1	+3.1		3.4	+1.8
1+00	2.3	+2.9		3.5	+1.7
	2.4	+2.8	3+00	3.5	+1.7
	2.5	+2.7		3.5	+1.7
	2.5	+2.7		3.6	+1.6
	2.8	+2.4		3.6	+1.6
50	2.8	+2.4		3.8	+1.4
	2.9	+2.3	50	3.8	+1.4
	2.9	+2.3		3.8	+1.4
	2.9	+2.3		4.0	+1.2

N.151+00; SOUND WEST ✓ (57)
 Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
(5.2)	4.0	+1.2			
	4.0	+1.2			
4+00	4.0	+1.2			
	4.1	+1.1			
	4.0	+1.2			
	4.0	+1.2			
	4.1	+1.1			
50	4.1	+1.1			
	4.2	+1.0			
	4.3	+0.7			
	4.4	+0.8			
	4.5	+0.7			
5+00	4.6	+0.6			
	4.6	+0.6			
20	4.6	+0.6			

8-22-56

N. 152+00; 0+00 = W. 6900 ; SOUND WEST

N. 152+00; SOUND WEST

(38)

Dist Sound Elev Dist Sound Elev

Dist Sound Elev Dist Sound Elev

3.9 +1.2

0+00 0.3 +4.8 2.8 +2.3

4.0 +1.1

(5.1) 0.5 +4.6 2+00 2.9 +2.2

4+00 4.0 +1.1

1007
+0.5 0.6 +4.5 3.0 +2.1

4.0 +1.1

1.1 +4.0 2.9 +2.2

4.1 +1.0

1.0 +4.1 3.0 +2.1

4.0 +1.1

50 1.1 +4.0 3.1 +2.0

4.0 +1.1

1.3 +3.8 50 3.1 +2.0

50 4.2 +0.9

1.3 +3.8 3.1 +2.0

(5.1) 4.3 +0.8

1.2 +3.9 3.2 +1.9

1012 4.4 +0.7

1.2 +3.9 3.1 +2.0

4.6 +0.5

1+00 1.6 +3.5 3.2 +1.9

4.8 +0.3

1.9 +3.2 3+00 3.3 +1.8

5+00 4.9 +0.2 ✓

1.8 +3.3 (5.1) 3.3 +1.6

2.0 +3.1 1010 3.2 +1.7

2.2 +2.9 3.5 +1.6

50 2.2 +2.9 3.5 +1.6

2.2 +2.9 50 3.6 +1.5

2.5 +2.6 3.8 +1.3

2.6 +2.5 3.9 +1.2

8-22-56

N. 153+00; 0+00 = W 7.00; SOUND WEST

N. 153+00; SOUND WEST ✓

DIST SOUND ELEV

(59)

DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
				(5.0)			8.3	3.3
0+00	0.8	+4.1	(5.0)	3.2	+1.8		8.6	3.6
<u>9.52</u>	0.9	+4.0	2+00	3.5	+1.5	4+00	9.0	4.0
(4.9)	1.0	+3.9		3.4	+1.6		9.2	4.2
	1.2	+3.7		3.5	+1.5		9.5	4.5
	1.5	+3.4		3.4	+1.6		9.8	4.8
<u>50</u>	1.6	+3.4		3.6	+1.4		9.9	4.9
<u>9.54</u>	1.5	+3.5	50	3.7	+1.3	50	9.9	4.9
(5.0)	1.9	+3.1		3.5	+1.5		10.0	5.1
	2.1	+2.9		3.9	+1.1		10.1	5.1
	2.1	+2.9		4.0	+1.0		10.0	5.0
1+00	2.2	+2.8		4.4	+0.6		10.0	5.0
	2.8	+2.2	3+00	5.0	0.0	5+00	10.0	5.0
	2.8			5.3	0.3			
	2.8			5.9	0.9			
	2.8		<u>9.57</u>	6.3	1.3			
50	2.8		<u>50</u>	7.0	2.0			
	2.8	+2.2	50	7.8	2.8			
	3.0	+2.0		7.9	2.9			
	3.1	+1.9 ✓		8.2	3.2 ✓			

8-16-56

N. 154+00; 0+00 = W. 1,000; SOUND WEST ✓

N. 154+00; SOUND WEST ✓

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
0+00		(?)		5.3	2.0		8.6	5.3
			2+00	5.8	2.5	4+00	8.5	5.2
				6.0	2.1		8.5	5.2
				6.5	3.2		8.5	
0+45	0.0	+3.3		6.8	3.5		8.5	
50	0.2	+3.1		6.8	3.5		8.5	
12:55	0.4	+2.9	50	7.0	3.7	50	8.5	
<u>3.3</u>	0.8	+2.5		7.1	3.8		8.5	
	1.0	+2.3		7.0	3.7	12:58	8.6	5.3
	1.5	+1.8		7.1	3.8	<u>3.3</u>	8.6	5.3
1+00	2.0	+1.3		7.2	3.9		8.5	5.2
	2.2	+1.1	3+00	7.3	4.0	5+00	8.6	5.3 ✓
	2.7	+0.6		7.4	4.1			
	3.0	+0.3		7.6	4.3			
	3.3	0.0		7.9	4.6			
50	3.7	0.4		8.0	4.7			
	4.2	0.9	50	8.3	5.0			
	4.7	1.4		8.5	5.2			
	4.8	1.5 ✓		8.8	5.5 ✓			

8-16-56
 N155+00; 0+00 = W, 7,000; SOUND WEST

DIST SOUND ELEV DIST SOUND ELEV

0+00 (7) 7.2 3.9

2+00 7.3 4.0

7.5 4.2

7.8 4.5

8.0 4.7

50

1245 8.1 4.8

0+62 0.0 +3.3

50 8.2 4.9

12.42 0.3 +3.0

(3.3) 8.2 4.9

(3.3) 0.9 +2.4

8.4 5.1

1.1 +2.2

8.5 5.2

1+00 1.6 +1.7

8.5 5.2

2.1 +1.2

3+00 8.5

3.0 +0.3

8.5

3.3 0.0

8.6 5.3

4.2 0.9

8.8 5.5

50 5.5 2.2

8.8 5.5

6.0 2.7

50 8.9 5.6

6.5 3.2

9.0 5.7

7.1 3.8 ✓

9.1 5.8 ✓

W, 155+00; SOUND WEST ✓

(31)

DIST SOUND ELEV DIST SOUND ELEV

9.2 5.9

9.3 6.0

4+00 9.4 6.1

9.2 5.9

9.2

9.2

9.3 6.0

50 9.3

9.3

9.3

9.5 6.2

9.5

5+00 9.5 ✓

8-16-56

W. 104+00; 0+00 = N. 14,000. SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.8	0.4		3.6	0.2
2:35	3.8	0.4	2+00	3.8	0.4
<u>3.4</u>	3.7	0.3		3.5	0.1
	3.7	0.3		3.5	0.1
	3.7	0.3		3.6	0.2
50	3.8	0.4		3.6	0.2
	3.9	0.5	50	3.7	0.3
	3.9	0.5	2:37	3.7	0.3
	3.8	0.4		3.7	0.3
	3.8	0.4		3.6	0.2
1+00	3.8	0.4		3.6	0.2
	3.8	0.4	3+00	3.5	0.1
	3.7	0.3		3.5	0.1
	3.7			3.5	
	3.7			3.5	
50	3.8	0.4		3.7	0.3
	3.8	0.4	50	3.8	0.4
	3.7	0.3		2.8	0.4
	3.8	0.4		3.8	0.4

W. 104+00; SOUND NORTH

(62)

Dist	Sound	Elev	Dist	Sound	Elev
	3.9	0.5	2+00	10.0	6.6
	3.8	0.4	<u>3.4</u>	10.1	6.7
4+00	3.9	0.5	6+00	10.3	6.9
	3.9			10.2	6.9
	3.9			10.3	6.9
	4.1	0.7		10.3	6.9
	4.6	1.2		10.2	6.9
50	5.0	1.6	50	10.1	6.7
	6.0	2.6		10.1	6.7
	8.0	4.6		9.9	6.5
	9.1	5.7		9.4	6.0
	9.8	6.4		8.2	4.8
5+00	9.9	6.5	7+00	6.0	2.6
	10.0	6.6		3.8	0.4
	10.2	6.8		2.8	+0.6
	10.5	7.1		2.2	+1.2
				1.8	+1.6
			50	2.0	+1.4
	10.6	7.2		1.6	+1.8
				1.4	+2.0
50	10.8	7.4	50	1.2	+2.2
				1.2	+2.2
	10.6	7.2	8+00	1.1	+2.3
	10.2	6.8			

8-16-56
W. 106+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.3	+0.2		3.5	0.0
250	3.3	+0.2	2+00	3.2	+0.3
<u>3.5</u>	3.2	+0.3		3.3	+0.2
	3.3	+0.2		3.3	+0.2
	3.2	+0.3		3.2	+0.3
50	3.3	+0.2		3.3	+0.2
	3.2	+0.3	50	3.3	+0.2
	3.2			3.2	+0.3
	3.2			3.3	+0.2
	3.3	+0.2		3.4	+0.1
1+00	3.4	+0.1		3.4	
	3.3	+0.2	3+00	3.4	
	3.4	+0.1		3.3	+0.2
	3.3	+0.2		3.4	+0.1
	3.2	+0.3		3.5	0.0
50	3.4	+0.1		3.5	0.0
	3.3	+0.2	50	3.6	0.1
	3.3	+0.2		3.6	0.1
	3.5	0.0		3.8	0.3

W. 106+00; SOUND NORTH ✓ (63)

Dist	Sound	Elev	Dist	Sound	Elev
	3.8	0.3	2:55	2.1	7.6
	4.5	1.0	<u>3.5</u>	11.2	7.7
4+00	5.2	1.7	6+00	11.2	7.7
253	7.7	3.2		11.1	7.6
<u>3.5</u>	9.0	5.5		11.1	7.6
	10.0	6.5		10.8	7.3
	10.2	6.7		8.6	5.1
50	10.1	6.6	50	7.0	3.5
	10.3	6.8		4.9	1.4
	10.2	6.7		3.8	0.3
	10.3	6.8		3.0	+0.5
	10.8	7.3		2.8	+0.7
5+00	10.9	7.4	7+00	2.6	+0.9
	10.9	7.4		2.3	+1.2
	11.0	7.5		2.4	+1.1
	11.1	7.6		2.4	
	11.1	7.6		2.4	
50	11.0	7.5	50	2.0	+1.3
	11.1	7.6		1.9	+1.6
	11.1	7.6 ✓		2.0	+1.3 ✓

JW. 106+00; SOUND NORTH 8-16-56

Dist Sound Elev

	2.0	+1.3
	2.0	+1.3
	1.7	+1.8
8+00	2.0	+1.3
	1.7	+1.8
	1.7	
2.57	1.7	
(3.5)	1.6	+1.9
50	1.5	+2.0
	1.5	+2.0
	1.4	+2.1
	1.3	+2.2
	1.3	+2.2
9+00	1.6	+1.9
	1.5	+2.0
	1.4	+2.1
	1.2	+2.3
	1.2	
50	1.2	+2.3 ✓

8-17-56

W. 108+00; 0+00 = N. 14,000; SOUND NORTH

Dist Sound Elev Dist Sound Elev

0+00	3.7	+0.6		3.8	+0.5
9.43	3.7		2+00	3.8	+0.5
(4.3)	3.7		9.45	3.9	+0.4
	3.7		(4.3)	3.9	+0.4
	3.7	+0.6	(4.3)	3.8	+0.5
50	3.8	+0.5		3.7	+0.6
	3.8		50	3.8	+0.5
	3.8			3.9	+0.4
	3.8			4.0	+0.3
	3.8	+0.3		3.9	+0.4
1+00	3.7	+0.6		4.0	+0.3
	3.8	+0.5	3+00	4.0	
	3.8			4.0	+0.3
	3.8			4.1	+0.2
	3.8			4.1	+0.2
50	3.8	+0.5		5.0	0.7
	3.7	+0.6	50	7.3	3.0
	3.8	+0.5		8.8	4.5
	3.8	+0.5 ✓		9.7	5.4 ✓

JW. 108+00; SOUND NORTH B-17-56

Dist	Sound	Elev	Dist	Sound	Elev
	10.5	6.3		11.1	6.9
	10.4	6.2		9.8	5.6
4+00	10.6	6.4	6+00	8.0	3.8
	10.8	6.6	9.48	6.1	1.9
9.47	11.1	6.9	4.2	6.1	1.9
4.2	11.0	6.8		5.9	1.7
	11.0	6.8		5.0	0.8
50	11.1	6.9	50	4.5	0.3
	11.2	7.0		4.3	0.0
	11.5	7.3		4.1	+0.1
	11.7	7.5		4.1	+0.1
	11.8	7.6		4.0	+0.2
5+00	12.0	7.8	7+00	4.0	+0.2
	12.1	7.9		3.9	+0.3
	12.1	7.9		3.8	+0.4
	12.1	7.9		3.8	+0.4
	12.1	7.9		3.8	+0.4
50	12.1	7.9	50	3.9	+0.3
	12.0	7.8		3.8	+0.4
	11.9	7.7		3.8	+0.4

W. 108+00; SOUND NORTH (65)

Dist	Sound	Elev	Dist	Sound	Elev	
	9.50	3.6	+0.6	4.2	1.8	+2.4
	4.2	3.4	+0.8		1.7	+2.5
8+00	3.3	+0.9	10+00	1.6	+2.6	
	3.3	+0.9		1.8	+2.4	
	3.3	+0.9		1.7	+2.5	
	3.1	+1.1		1.4	+2.8	
	2.8	+1.4		1.4		
50	2.9	+1.3	50	1.4		
	2.7	+1.5		1.4		
	2.5	+1.7		1.4	+2.8	
	2.6	+1.6		1.3	+2.9	
	2.4	+1.8		1.3		
9+00	2.3	+1.9	11+00	1.3		
	2.1	+2.1		1.3	+2.9	
	2.1	+2.1		1.2	+3.0	
	2.1	+2.1		1.0	+3.2	
	2.0	+2.2		1.1	+3.1	
50	2.1	+2.1	50	0.8	+3.4	
	1.8	+2.4		0.6	+3.6	
	1.6	+2.6		0.5	+3.7	
				0.6	+3.6	
				0.9	+3.3	
			12+00	1.0	+3.2	

8-17-56

W. 110+00; 0+00 = N. 14, 000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
			(4.2)	3.2	+1.0
0+00	3.1	+1.1			
10+00	3.1		2+00	3.3	+0.9
(4.2)	3.1	+		3.3	+0.9
	3.1	+1.1		3.2	+1.0
	3.2	+1.0		3.0	+1.2
50	3.2			2.8	+1.4
	3.2		50	2.9	+1.3
	3.2	+1.0		3.3	+0.9
	3.1	+1.1		3.3	+0.9
	3.2	+1.0		3.7	+0.5
1+00	3.2			4.5	0.3
	3.2		3+00	6.5	2.3
	3.2		1003	8.6	4.4
	3.2	+1.0	(4.2)	9.2	5.0
	3.1	+1.1		9.5	5.3
50	3.2	+1.0		10.0	5.8
	3.1	+1.1	50	10.0	5.8
	3.3	+0.9		10.1	5.9
	3.3	+0.9		10.6	6.4

W. 110+00; SOUND NORTH

(66)

Dist	Sound	Elev	Dist	Sound	Elev
(4.2)	10.6	6.4	(4.2)	6.0	1.8
	10.7	6.5		5.9	1.7
4+00	10.7	6.5	6+00	5.8	1.6
	11.0	6.8		5.3	1.1
	11.0	6.8		5.1	0.9
	11.1	6.9		5.1	0.9
	11.2	7.0		4.5	0.3
50	11.5	7.3	50	4.4	0.2
	11.8	7.6		4.3	0.1
	12.0	7.8		4.2	0.0
	12.3	8.1		4.1	+0.1
	12.7	8.5		4.1	
5+00	12.7	8.5	7+00	4.1	
	12.3	8.1		4.1	
1005	11.8	7.6		4.1	
	10.4	6.2		4.1	
	8.8	4.6		4.1	
50	7.6	3.4	50	4.1	
	6.7	2.5		4.1	+0.1
	6.2	2.0		4.0	+0.2

W. 110+00; SOUND NORTH 8-17-56

Dist	Sound	Elev	Dist	Sound	Elev
1007	4.0	+0.1		1.9	+2.2
<u>4.1</u>	4.0	+0.1		1.9	
8+00	3.9	+0.2	10+00	1.9	
	4.0	+0.1		1.9	
	3.9	+0.2		1.9	+2.2
	3.9			1.6	+2.5
	3.9			1.5	+2.6
50	3.9	+0.2	50	1.6	+2.5
	3.8	+0.3		1.5	+2.6
	3.6	+0.5		1.5	+2.6
	3.2	+0.9		1.5	+2.6
	3.1	+1.0		1.4	+2.7
9+00	3.0	+1.1	11+00	1.4	+2.7
	2.9	+1.2	10/10	1.3	+2.8
	2.8	+1.3	<u>9.1</u>	1.4	+2.7
	2.5	+1.6		1.4	+2.7
	2.3	+1.8		1.4	+2.7
50	2.1	+2.0	50	1.3	+2.8
	2.0	+2.1		1.3	+2.8
	2.0	+2.1		1.3	+2.8

W. 110+00; SOUND NORTH ✓

Dist	Sound	Elev	Dist	Sound	Elev
	1.2	+2.9		1.0	+3.1
	1.0	+3.1	1015	1.0	+3.1
	1.0		14+00	1.2	+2.9
	1.0		<u>4.1</u>	1.3	+2.8
	1.0	+3.1		1.1	+3.0
	1.1	+3.0		1.1	
1013	1.1	+3.0		1.1	
50	1.0	+3.1	50	1.1	+3.0
<u>4.1</u>	1.0	+3.1		1.2	+2.9
	1.1	+3.0		1.3	+2.8
	1.0	+3.1		1.1	+3.0
	1.0	+3.1		1.2	+2.9
13+00	1.1	+3.0	15+00	1.1	+3.0
	1.1	+3.0		1.2	+2.9
	1.0	+3.1		1.2	+2.9
	1.0			1.1	+3.0
	1.0		50	1.0	+3.1
	1.0			0.9	+3.2
50	1.0	+3.1		0.9	+3.2
	1.1	+3.0		0.8	+3.3
	1.0	+3.1		0.9	+3.2
	1.0	+3.1	16+00	0.8	+3.3 ✓
	1.0	+3.1 ✓			

(67)

8-17-56.

W. 112+00; 0+00 - N. 14,000; SOUND NORTH

W. 112+00; SOUND NORTH ✓

(68)

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
						1033	10.9	6.9	1035	8.0	4.0
0+00	2.8	+1.2	(4.0)	2.9	+1.2	(4.0)	11.0	7.0	(4.0)	8.0	
1030	2.9	+1.1	2+00	2.8	+1.2	4+00	11.2	7.2	6+00	8.0	
(4.0)	2.8	+1.2		2.8	+1.2		11.2	7.2		8.0	
	2.8	+1.2		2.9	+1.1		11.3	7.3		8.0	
	2.7	+1.3		3.8	+0.2		11.2	7.2		8.0	
50	2.8	+1.2		4.8	0.8		11.2			8.0	
	2.9	+1.1	50	8.0	4.0	50	11.2		50	8.0	4.0
	2.7	+1.3		9.0	5.0		11.2	7.2		8.1	4.1
	2.7	+1.3		9.5	5.5		11.3	7.3		8.1	
	2.8	+1.2		9.5	5.5		11.5	7.5		8.1	
1+00	2.8	+1.2		9.5	5.5		11.3	7.3		8.1	
	2.9	+1.1	3+00	9.7	5.7	5+00	11.2	7.2	7+00	8.1	
	2.8	+1.2		9.9	5.9		11.2	7.2		8.1	
	2.8			10.1	6.1		11.0	7.0		8.1	
	2.8			10.1	6.1		10.5	6.5		8.1	4.1
50	2.8			10.2	6.2		10.1	6.1		8.2	4.2
	2.8		50	10.6	6.6	50	9.1	5.1	50	8.3	4.3
	2.8	+1.2		10.7	6.7		8.5	4.5		8.2	4.2
	2.9	+1.1 ✓		10.6	6.6 ✓		8.1	4.1 ✓		8.2	4.2 ✓

JW, 112+00; SOUND NORTH B-17-56					
Dist	Sound	Elev	Dist	Sound	Elev
10.37	8.3	4.4	(3.9)	2.9	+1.0
(39)	8.4	4.5		2.6	+1.3
8+00	8.5	4.6	10+00	2.7	+1.2
	8.5	4.6		2.7	+1.2
	8.4	4.5		2.4	+1.5
	8.6	4.7		2.7	+1.2
	8.3	4.4		2.3	+1.6
50	8.2	4.3	50	2.0	+1.9
	8.3	4.4		2.0	+1.9
	8.5	4.6		2.3	+1.6
	8.2	4.3		2.0	+1.9
	8.1	4.2		2.1	+1.8
9+00	8.1		11+00	2.0	+1.9
	8.1			1.8	+2.1
	8.1	4.2		1.9	+2.0
	8.0	4.1		1.9	+2.0
	7.5	3.6	1040	1.8	+2.1
50	5.6	1.7	50	1.8	+2.1
	3.9	0.0	(4.1)	1.8	+2.1
	3.1	+0.8		1.9	+2.0

JW, 112+00; SOUND NORTH (69)					
Dist	Sound	Elev	Dist	Sound	Elev
(3.9)	1.9	+2.0		1.6	+2.3
	2.1	+1.8		1.7	+2.2
12+00	1.9	+2.0	14+00	1.7	+2.2
	2.0	+1.9		1.7	+2.2
	1.9	+2.0	10.42	1.4	+2.5
	1.9	+2.0	(3.9)	1.3	+2.6
	1.9	+2.0		1.2	+2.7
50	1.6	+2.3	50	1.5	+2.4
	1.6	+2.3		1.4	+2.5
	1.6	+2.3		1.2	+2.7
	1.5	+2.4		1.2	
	1.6	+2.3		1.2	
13+00	1.5	+2.4	15+00	1.2	
	1.7	+2.2		1.2	
	1.7			1.2	
	1.7			1.2	+2.7
	1.7			1.0	+2.9
50	1.7	+2.2	50	1.0	
	1.6	+2.3		1.0	+2.9
	1.6	+2.3		1.1	+2.8
	1.6	+2.3		1.0	+2.9
			16+00	0.9	+2.0

8-17-56
W. 114+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.7	+1.1	10:58	5.5	1.7
10:57	2.7	+1.1	2+00	8.1	4.3
(3.8)	2.7	+1.1	(3.8)	9.2	5.4
	2.8	+1.0		9.9	6.1
	2.8	+1.0		10.2	6.4
50	2.8	+1.0		10.7	6.9
	2.7	+1.1	50	10.8	7.0
	2.8	+1.0		10.9	7.1
	2.7	+1.1		11.0	7.2
	2.6	+1.2		11.2	7.4
1+00	2.6	+1.2		11.2	
	2.7	+1.1	3+00	11.2	
	2.7	+1.1		11.2	
	2.7	+1.1		11.2	7.4
	2.8	+1.0		11.5	7.7
50	2.8	+1.0		11.5	7.7
	2.8	+1.0	50	11.6	7.8
	3.0	+0.8		11.8	8.0
	4.0	0.2		11.9	8.1

W. 114+00; SOUND NORTH ✓ (70)

Dist	Sound	Elev	Dist	Sound	Elev
11:00	12.0	8.2	11:02	8.1	4.3
(3.8)	12.0	8.2	(3.8)	8.1	
4+00	12.0	8.2	6+00	8.1	
	11.6	7.8		8.1	4.3
	10.0	6.2		8.2	4.4
	8.7	4.9		8.1	4.3
	7.0	3.2		8.2	4.4
50	6.8	3.0	50	8.2	4.4
	6.8	3.0		8.1	4.3
	6.7	2.9		8.1	4.3
	7.0	3.2		8.1	4.3
	7.1	3.3		7.9	4.1
5+00	7.4	4.4	7+00	8.0	4.2
	8.0	4.2		7.8	4.0
	7.9	4.1		7.8	4.0
	8.0	4.2		7.7	3.9
	7.8	4.0		7.9	4.1
50	7.8	4.0	50	8.0	4.2
	7.9	4.1		7.9	4.1
	8.0	4.2		7.9	4.1

SW. 1/4 +00; SOUND			NORTH 8.17 56		
Dist	Sound	Elev	Dist	Sound	Elev
1103	7.8	4.1	1105	3.0	+0.7
<u>2</u>	7.3	3.6	(3.7)	2.9	+0.8
8+00	7.5	3.8	10+00	2.8	+0.9
(3.7)	7.3	3.6		2.8	+0.9
	7.3			3.0	+0.7
	7.3			2.9	+0.8
	7.3	3.6		2.9	+0.8
50	7.2	3.5	50	2.8	+0.9
	7.2	3.5		2.8	
	7.1	3.4		2.8	
	6.9	3.2		2.8	
	5.9	2.2		2.8	
9+00	4.6	0.9	11+00	2.8	+0.9
	3.8	0.1		2.6	+1.1
	3.5	+0.2		2.8	+0.9
	3.8	0.1		2.8	+0.9
	3.6	+0.1		2.7	+1.0
50	3.2	+0.5	50	2.5	+1.2
	3.1	+0.6		2.4	+1.3
	3.0	+0.7		2.1	+1.6

SW. 1/4 +00; SOUND			NORTH 8.17 56		
Dist	Sound	Elev	Dist	Sound	Elev
1107	2.3	+1.5	(3.7)	1.5	+2.2
<u>2</u>	2.2	+1.5	(3.7)	1.4	+2.3
12+00	2.3	+1.4	14+00	1.4	+2.3
	2.4	+1.3		1.3	+2.4
	2.0	+1.7		1.6	+2.1
	2.0	+1.7		1.5	+2.2
	2.1	+1.6		1.7	+2.0
50	1.9	+1.8	50	1.5	+2.2
	1.8	+1.9		1.3	+2.4
	2.0	+1.7		1.2	+2.5
	1.8	+1.9	11+00	1.1	+2.6
	1.8	+1.9	<u>2</u>	1.1	+2.6
13+00	1.8	+1.9	15+00	1.6	+2.6
	1.9	+1.8		1.2	+2.5
	1.8	+1.9		1.1	+2.6
	1.7	+2.0		1.1	+2.6
	1.7	+2.0		1.0	+2.7
50	1.8	+1.9	50	1.0	+2.7
	1.7	+2.0		0.9	+2.8
	1.7	+2.0		1.0	+2.7
	1.7	+2.0		1.0	+2.7
	1.7	+2.0		1.1	+2.6
			16+00	1.0	+2.7

8-17-56

W. 116+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.1	+0.5	(36)	11.3	7.7
11:22	2.9	+0.7	2+00	11.4	7.8
(36)	3.0	+0.6		11.5	7.9
	3.0		11:24	11.7	8.1
	3.0			11.8	8.2
50	3.0			11.7	8.1
	3.0		50	11.6	8.0
	3.0			11.6	8.0
	3.0			11.8	8.2
	3.0			11.7	8.1
1+00	3.0			11.9	8.3
	3.0	+0.6	3+00	12.0	8.4
	3.5	+0.1		12.1	8.5
	5.1	1.5		12.0	8.4
	7.8	4.2		12.0	8.4
50	10.2	6.6		12.0	8.4
	11.0	7.4	50	11.9	8.3
	11.2	7.6		11.1	7.5
	11.4	7.8		9.5	5.9

W. 116+00; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
11:25	7.8	4.3	11:27	5.0	1.5
(35)	6.8	3.3	(35)	5.0	1.5
4+00	6.6	3.1	6+00	4.9	1.4
	6.1	2.6		4.7	1.2
	6.0	2.5		4.6	1.1
	6.0	2.5		4.6	1.1
	6.0	2.5		4.5	1.0
50	5.9	2.4	50	4.4	0.9
	5.9	2.4		4.3	0.8
	5.8	2.3		4.0	0.5
	5.8	2.3		4.0	0.5
	5.7	2.2		4.0	0.5
5+00	5.4	1.9	7+00	3.9	0.4
	5.4	1.9		3.8	0.3
	5.3	1.8		3.7	0.2
	5.2	1.7		3.6	0.1
	5.1	1.6		3.4	+0.1
50	5.1	1.6	50	3.3	+0.2
	5.1	1.6		3.2	+0.3
	5.0	1.5		3.1	+0.4

W. 116+00; SOUND NORTH 8-17-56

Dist	Sound	Elev	Dist	Sound	Elev
1128	3.1	+0.4	1130	2.7	+0.8
(35)	3.0	+0.5	(35)	2.8	+0.7
8+00	3.0		10+00	2.8	+0.7
	3.0			2.7	+1.1
	3.0			2.3	+1.2
	3.0			2.3	+1.2
	3.0			2.2	+1.3
50	3.0	+0.5	50	2.4	+1.1
	2.9	+0.6		2.4	+1.1
	2.8	+0.7		2.3	+1.2
	2.8	+0.7		2.4	+1.1
	2.8	+0.7		2.2	+1.3
9+00	2.6	+0.9	11+00	2.1	+1.4
	2.5	+1.0		2.1	
	2.3	+1.2		2.1	
	2.1	+1.4		2.1	+1.4
	2.1	+1.4		1.8	+1.7
50	2.1	+1.4	50	2.0	+1.5
	2.8	+0.7		1.8	+1.7
	2.8	+0.7		1.9	+1.6

W. 116+00; SOUND NORTH (73)

Dist	Sound	Elev	Dist	Sound	Elev
77	1.7	+1.8	1133	1.4	+2.1
(3.5)	1.8	+1.7	(3.5)	1.1	+2.9
12+00	1.9	+1.6	14+00	1.2	+2.3
	1.8	+1.7		1.3	+2.2
	1.9	+1.6		1.1	+2.4
	1.6	+1.9		1.2	+2.3
	1.8	+1.7		1.2	
50	1.4	+2.1	50	1.2	
	1.4	+2.1		1.2	
	1.5	+2.0		1.2	+2.3
1132	1.5			0.9	+2.6
	1.5			1.0	+2.5
13+00	1.5		15+00	1.1	+2.4
	1.5	+2.0		1.0	+2.5
	1.4	+2.1		0.8	+2.7
	1.2	+2.3		0.8	+2.7
	1.2	+2.3		0.8	+2.7
50	1.3	+2.2	50	0.9	+2.6
	1.3	+2.2		0.9	+2.6
	1.3	+2.2		0.7	+2.8
	1.3	+2.2		0.6	+2.9
				0.7	+2.8
			16+00	0.7	+2.8

8-17-56

W. 118+00; 0+00 = N. 14,000; SOUND NORTH

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	0.1	11.47	12.7	9.3
11.45	3.6	0.2	2+00	12.8	9.4
(3.4)	3.8	0.4	(3.4)	12.8	9.4
	4.1	0.7		13.0	9.6
	4.1	0.7		13.0	9.6
50	4.3	0.9		13.1	9.7
	5.8	2.4	50	13.3	9.9
	6.3	2.9		13.2	9.8
	7.9	4.5		13.0	9.6
	10.2	6.8		12.8	9.4
1+00	12.1	8.7		12.5	9.1
	12.8	9.4	3+00	11.5	8.1
	12.8	9.4		10.4	7.0
	12.9	9.5		8.0	4.6
	12.8	9.4		6.5	3.1
50	12.8	9.4		6.1	2.7
	12.9	9.5	50	6.1	2.7
	13.0	9.6		6.0	2.6
	12.8	9.4		5.9	2.5

W. 118+00; SOUND NORTH

(74)

Dist	Sound	Elev	Dist	Sound	Elev
11.50	5.5	2.1	(3.3)	4.3	1.0
(3.4)	5.5	2.1	11.52	4.5	1.2
4+00	5.3	1.9	6+00	4.3	1.0
	5.3	1.9		4.2	0.9
	5.3	1.9		4.1	0.8
	5.2	1.8		4.0	0.7
	5.1	1.7		4.0	0.7
50	5.1	1.7	50	3.8	0.5
	5.2	1.8		3.7	0.4
	5.2	1.8		3.8	0.5
	5.1	1.7		3.7	0.4
	5.1	1.7		3.7	0.4
5+00	5.0	1.6	7+00	3.5	0.2
	5.0	1.6		3.4	0.1
	5.1	1.7		3.3	0.0
	4.8	1.4		3.4	0.1
	4.8	1.4		3.3	0.0
50	4.8	1.4	50	3.3	0.0
	4.7	1.3		3.3	0.0
	4.6	1.2		3.2	+0.1

JW. 118+00; SOUND NORTH 8-17-56

JW. 118+00; SOUND NORTH ✓

(75)

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
1153	3.1	+0.2	(3.3)	2.8	+0.5	(3.3)	2.0	+1.3	1157	1.3	+2.0
(3.3)	3.1	+0.2		2.6	+0.7		1.8	+1.5	(3.3)	1.4	+1.9
8+00	3.0	+0.3	10+00	2.6	+0.7	12+00	1.7	+1.6	14+00	1.4	+1.9
	3.0	+0.3		2.6	+0.7		1.8	+1.5		1.5	+1.8
	3.1	+0.2		2.7	+0.6		2.0	+1.3		1.0	+2.3
	3.1	+0.2		2.6	+0.7		2.0	+1.3		1.0	+2.3
	3.0	+0.3		2.5	+0.8		1.9	+1.4		1.1	+2.2
50	3.0	+0.3	50	2.5		50	1.8	+1.5	50	1.1	+2.2
	3.0	+0.3		2.5			1.7	+1.6		1.0	+2.3
	2.9	+0.4		2.5			1.8	+1.5		1.0	
	2.7	+0.6	1155	2.5	+0.8		1.6	+1.7		1.0	
	2.9	+0.4		2.3	+1.0		1.5	+1.8		1.0	
9+00	2.8	+0.5	11+00	2.3		13+00	1.4	+1.9	15+00	1.0	+2.3
	2.8			2.3			1.8	+1.5		0.8	+2.5
	2.8			2.3	+1.0		1.8	+1.5		0.9	+2.4
	2.8	+0.5		2.2	+1.1		1.7	+1.6		0.7	+2.6
	2.9	+0.4		2.2	+1.1		1.6	+1.7		0.8	+2.5
50	2.8	+0.5	50	2.1	+1.2	50	1.6	+1.7	50	0.8	+2.5
	2.8	+0.5		2.2	+1.1		1.5	+1.8		0.8	+2.5
	2.6	+0.7		2.0	+1.3		1.5	+1.8		0.9	+2.4
										0.8	+2.5
									16+00	0.8	+2.5

8-17-56

W. 120+00; 0+00=N. 14,000; SOUND NORTH

DIST	Sound	Elev.	DIST	Sound	Elev.
0+00	6.1	2.9	(3.1)	12.8	9.7
<u>12/08</u>	6.2	3.0	2+00	12.8	9.7
(3.2)	7.1	3.9		13.1	10.0
	10.0	6.8		13.9	10.8
	12.5	9.3	<u>12/13</u>	13.6	10.5
50	12.8	9.6		12.8	9.7
	12.8	9.6	50	10.5	7.4
	12.9	9.7		7.0	3.9
	12.8	9.6		3.8	0.7
	12.9	9.7		3.0	+0.1
1+00	13.0	9.8		3.0	+0.1
	13.0	9.8	3+00	2.1	+1.0
	13.0	9.8		2.3	+0.8
	13.1	9.9		2.1	+1.0
	13.4	10.2		2.2	+0.9
50	13.4	10.2		2.2	+0.9
	13.1	9.9	50	2.2	+0.9
	13.2	10.0		2.2	+0.9
	13.2	10.0		2.3	+0.8

W. 120+00; SOUND NORTH

(16)

DIST	Sound	Elev.	DIST	Sound	Elev.
(3.1)	2.3	+0.8	(3.1)	2.2	+0.9
	2.3	+0.8		2.9	+0.2
4+00	2.2	+0.9	6+00	3.0	+0.1
	2.2			3.0	
	2.2			3.0	
	2.2	+0.9		3.0	
	2.1	+1.0		3.0	
50	2.1	+1.0	50	3.0	
12/15	2.2	+0.9		3.0	+0.1
	2.2	+0.9		3.1	0.0
	2.2	+0.9	12/17	3.1	0.0
	2.3	+0.8		3.0	+0.1
5+00	2.2	+0.9	7+00	3.0	
	2.2	+0.9		3.0	
	2.3	+0.8		2.0	+0.1
	2.5	+0.6		2.9	+0.2
	2.7	+0.4		2.9	+0.2
50	2.8	+0.3	50	2.8	+0.3
	2.8	+0.3		2.8	+0.3
	2.2	+0.9		2.6	+0.5

W. 120+00; SOUND NORTH; 8-17-56

Dist	Sound	Elev	Dist	Sound	Elev
(3.1)	2.5	+0.6	(3.1)	2.5	+0.6
	2.6	+0.5		2.5	+0.6
8+00	2.8	+0.3	10+00	2.5	+0.6
	2.8	+0.3		2.4	+0.7
	2.8	+0.3		2.4	+0.7
	2.9	+0.2		2.3	+0.8
	2.8	+0.3		2.3	+0.8
50	3.0	+0.1	50	2.2	+0.9
	2.8	+0.3		2.1	+1.0
	2.8	+0.3		2.1	+1.0
	2.7	+0.2		2.0	+1.1
	2.7		<u>12:20</u>	2.0	+1.1
9+00	2.7		<u>14+00</u>	2.0	+1.1
<u>12:18</u>	2.7			2.2	+0.9
	2.7	+0.2		2.2	+0.9
	2.5	+0.6		2.1	+1.0
	2.7	+0.4		1.9	+1.2
50	2.6	+0.5	50	1.9	+1.2
	2.5	+0.6		2.0	+1.1
	2.5	+0.6 ✓		2.0	+1.1 ✓

W. 120+00; SOUND NORTH; 8-17-56

Dist	Sound	Elev	Dist	Sound	Elev
(3.1)	1.9	+1.2	(3.1)	1.2	+1.9
	1.8	+1.3		1.3	+1.8
12+00	1.8	+1.3	14+00	1.3	+1.8
	1.8	+1.3		1.2	+1.9
	1.9	+1.2		1.1	+2.0
	1.8	+1.3		1.1	
	1.8	+1.3		1.1	
50	1.8	+1.3	50	1.1	
	1.7	+1.4		1.1	+2.0
	1.7			1.2	+1.9
	1.7		<u>12:23</u>	1.2	+1.9
	1.7	+1.4		1.1	+2.0
13+00	1.6	+1.5	15+00	1.0	+2.1
	1.5	+1.6		0.9	+2.2
	1.6	+1.5		1.0	+2.1
<u>12:22</u>	1.4	+1.7		1.0	+2.1
	1.3	+1.8		0.9	+2.2
50	1.3	+1.8	50	0.9	+2.2
	1.3	+1.8		0.8	+2.3 ✓
	1.2	+1.9 ✓		0.8	+2.3 ✓

JW. 120+00; SOUND NORTH; 8-17-56

Dist Sound Elev

(3.0)	0.9	+2.1
	0.8	+2.2
16+00	0.7	+2.3 ✓

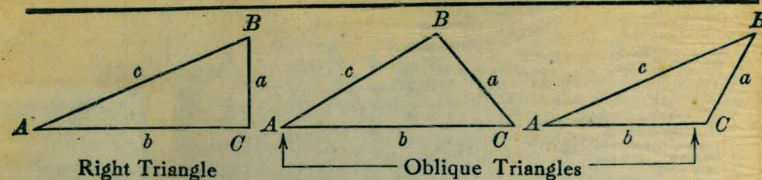
Section compiled and used, from
lines indicated.

W 70+00 ✓ 0+00 = N 150+00 X-sec. NORTH

100' EAST ON N 15000 = 0+00	Elev.	+2.1 ✓
120' WEST ON N 15100 = 1+00		+2.7 ✓
100' WEST ON N 15200 = 2+00		+3.5 ✓
0+00 ON N 15300 = 3+00		+4.1 ✓
4+00		+3.3 ✓
10 5+00		+3.3 ✓

(78)
B.E. J. 11-16-56

TRIGONOMETRIC FORMULÆ



Right Triangle

Oblique Triangles

Solution of Right Triangles

For Angle A. $\sin = \frac{a}{c}$, $\cos = \frac{b}{c}$, $\tan = \frac{a}{b}$, $\cot = \frac{b}{a}$, $\sec = \frac{c}{b}$, $\operatorname{cosec} = \frac{c}{a}$

Given	Required	Formulas
a, b	A, B, c	$\tan A = \frac{a}{b} = \cot B$, $c = \sqrt{a^2 + b^2} = a \sqrt{1 + \frac{b^2}{a^2}}$
a, c	A, B, b	$\sin A = \frac{a}{c} = \cos B$, $b = \sqrt{(c+a)(c-a)} = c \sqrt{1 - \frac{a^2}{c^2}}$
A, a	B, b, c	$B = 90^\circ - A$, $b = a \cot A$, $c = \frac{a}{\sin A}$
A, b	B, a, c	$B = 90^\circ - A$, $a = b \tan A$, $c = \frac{b}{\cos A}$
A, c	B, a, b	$B = 90^\circ - A$, $a = c \sin A$, $b = c \cos A$

Solution of Oblique Triangles

Given	Required	Formulas
A, B, a	b, c, C	$b = \frac{a \sin B}{\sin A}$, $C = 180^\circ - (A + B)$, $c = \frac{a \sin C}{\sin A}$
A, a, b	B, c, C	$\sin B = \frac{b \sin A}{a}$, $C = 180^\circ - (A + B)$, $c = \frac{a \sin C}{\sin A}$
a, b, C	A, B, c	$A + B = 180^\circ - C$, $\tan \frac{1}{2}(A - B) = \frac{(a - b) \tan \frac{1}{2}(A + B)}{a + b}$ $c = \frac{a \sin C}{\sin A}$
a, b, c	A, B, C	$s = \frac{a + b + c}{2}$, $\sin \frac{1}{2}A = \sqrt{\frac{(s - b)(s - c)}{bc}}$ $\sin \frac{1}{2}B = \sqrt{\frac{(s - a)(s - c)}{ac}}$, $C = 180^\circ - (A + B)$
a, b, c	Area	$s = \frac{a + b + c}{2}$, $\text{area} = \sqrt{s(s - a)(s - b)(s - c)}$
A, b, c	Area	$\text{area} = \frac{bc \sin A}{2}$
A, B, C, a	Area	$\text{area} = \frac{a^2 \sin B \sin C}{2 \sin A}$

REDUCTION TO HORIZONTAL

Horizontal distance = Slope distance multiplied by the cosine of the vertical angle. Thus: slope distance = 319.4 ft. Vert. angle = $5^\circ 10'$. From Table, Page IX. $\cos 5^\circ 10' = .9959$. Horizontal distance = $319.4 \times .9959 = 318.09$ ft.
Horizontal distance also = Slope distance minus slope distance times (1 - cosine of vertical angle) With the same figures as in the preceding example, the following result is obtained. $\cos 5^\circ 10' = .9959$. $1 - .9959 = .0041$. $319.4 \times .0041 = 1.31$. $319.4 - 1.31 = 318.09$ ft.
When the rise is known, the horizontal distance is approximately:—the slope distance less the square of the rise divided by twice the slope distance. Thus: rise = 14 ft., slope distance = 302.6 ft. Horizontal distance = $302.6 - \frac{14 \times 14}{2 \times 302.6} = 302.6 - 0.32 = 302.28$ ft.