

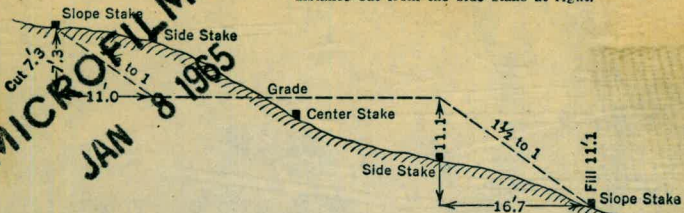
91

MISSION BAY

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

In the figure below: opposite 11 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.

MICROFILMED
 JAN 8 1965



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

MB No. 21

The paper in this book No. 373 A
 is made of 50% high grade rag stock
 with a WATER RESISTING surface sizing.

PAGES

INDEX

DATE NOTE: For additional Sounding Notes See

8-7-56

8-13-56

M. Bay Field Books No 90, 92, 93

1-76 SOUNDINGS MISSION BAY PROJ N° 65401

SOUNDINGS MISSION BAY OLDTOWN

GRID STATIONS W.O. 65401

Sta. N. 97+00 0+00 = ^{Sound East} WB, 000

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.0	+2.7		3.1	+2.6
	2.7	+3.0		3.0	+2.7
^{11:03} 11:06	2.6	+3.1		3.0	+2.7
	2.8	+2.9	2+00	3.1	+2.6
(5.7)	3.1	+2.6		3.0	+2.7
50	3.1	+2.6	(5.7)	3.0	+2.7
	3.0	+2.7		3.1	+2.6
	2.8	+2.9		3.2	+2.5
	2.9	+2.8	50	3.1	+2.6
	3.0	+2.7		3.0	+2.7
1+00	3.0			3.0	+2.7
	3.0			3.0	+2.7
	3.0			2.9	+2.8
	3.0		3+00	3.0	+2.7
	3.0	+2.7		3.0	+2.7
50	3.1	+2.6		3.1	+2.6
	3.0	+2.7		3.1	+2.6

N. 97+00, Sound East 8-7-56. 0

Dist	Sound	Elev	Dist	Sound	Elev
	3.0	+2.7		3.0	+2.7
50	3.0		50	2.9	+2.8
	3.0			2.8	+2.9
	3.0	+2.7		2.8	+2.9
(5.7)	3.1	+2.6	(5.7)	2.7	+3.0
	3.1	+2.6		2.7	+3.0
4+00	3.1	+2.6	6+00	2.5	+3.2
	3.2	+2.5		2.5	+3.2
	3.1	+2.6		2.3	+3.4
	3.1	+2.6	^{11:08}	1.8	+3.9
	3.2	+2.5		1.3	+4.4
50	3.2	+2.5	50	1.0	+4.7
	3.1	+2.6	(cont'd MB 90, Pg. 38)	0.5	+5.5
	3.1	+2.6	Sound West		
	3.0	+2.7	0+00		
	3.0	+2.7	^{11:12}	2.9	+2.8
	3.0	+2.7		2.8	+2.9
5+00	2.9	+2.8		2.8	+2.9
	3.0	+2.7		3.0	+2.7
50	3.0	+2.7	50	2.7	+3.0
	3.0	+2.7		2.8	+2.9

N 97+00 Sound West
 Dist Sound Elev Dist Sound Elev

8-7-56
 N. 98+00; 0+00 = W. 8,000 Sound East

Dist	Sound	Elev	Dist	Sound	Elev
	2.7	+3.0	2+70	2.0	+3.7
	2.8	+2.9	(cont'd MB 93, P 9, 65)		
	2.5	+3.2			
1+00	2.5	+3.2	3+00		
	2.5	+3.2			
(5.7)	2.8	+2.9			
	2.8	+2.9			
	2.6	+3.1			
50	2.3	+3.4			
	2.0	+3.7			
1113	2.3	+3.4			
	2.5	+3.2			
	2.5	+3.2			
2+00	2.0	+3.7			
	2.0	+3.7			
	2.0	+3.7			
	2.5	+3.2			
	2.5	+3.2			
50	2.9	+2.8			
	2.1	+3.6			

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.0	+2.7		3.1	+2.6
	3.0		2+00	3.2	+2.5
1118	3.0		(5.7)	3.2	
	3.0			3.2	
(5.7)	3.0			3.2	
50	3.0			3.2	
	3.0		50	3.2	
	3.0	+2.7		3.2	+2.5
	3.1	+2.6		3.1	+2.6
	3.2	+2.5		3.2	+2.5
1+00	3.2	+2.5		3.2	
	3.2	+2.5	3+00	3.2	
	3.3	+2.4		3.2	
	3.1	+2.6		3.2	
	3.2	+2.5		3.2	
50	3.2	+2.5		3.2	+2.5
	3.1	+2.6	50	3.3	+2.4
	3.1	+2.6		3.2	+2.5
	3.1	+2.6		3.2	+2.5

N 98+00 SOUND East			N. 98+00 SOUND West ^③		
Dist	Sound Elev	Dist	Sound Elev	Dist	Sound Elev
	3.2 +2.5		3.0 +2.7	0+00	2+00 2.6 +3.1
	3.2 +2.5	1122	3.0		2.7 +3.0
4+00	3.1 +2.6	6+00	3.0		2.7 +3.0
	3.1		3.0	1127	3.0 +2.7 2.9 +2.8
(5.7)	3.1	(5.7)	3.0		(5.7) 2.6 +3.1
	3.1		3.0	50	3.0 +2.7 50 2.3 +3.4
	3.1		3.0	(5.7)	3.0 2.8 +2.9
50	3.1	50	3.0 +2.7		3.0 2.3 +3.4
	3.1 +2.6		2.9 +2.8		3.0 +2.7 2.0 +3.7
	3.2 +2.5		2.8 +2.9		2.8 +2.9 2.0 +3.7
	3.2 +2.5		2.8 +2.9	1+00	2.9 +2.8 3+00 2.2 +3.5
	3.2 +2.5		2.7 +3.0		3.0 +2.7 2.2 +3.5
5+00	3.1 +2.6	7+00	2.6 +3.1		2.8 +2.9 2.2 +3.5
	3.1 +2.6		2.3 +3.4		2.9 +2.8 2.0 +3.7
	3.1 +2.6		2.2 +3.5		2.7 +3.0 2.0 +3.7
	3.0 +2.7		1.8 +3.9	50	2.5 +3.2 50 1.8 +3.9
	3.0		1.4 +4.3		2.4 +3.3 1.7 +4.0
50	3.0	50	1.0 +4.7		2.3 +3.4 1.7 +4.0
	3.0		1.0 +4.7		2.5 +3.2 1.5 +4.2
	3.0 +2.7	(cont'd NB 90, Pg. 30)			2.4 +3.3 4400 1.6 +4.1
					1.5 +4.2
					1.6 +4.1

8-7-56 (Contd from MB90, P916)
 N. 99+00; 0+00 = 8.000 W. Sound East

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.0	+2.7		3.2	+2.5
<u>11:36</u>	3.1	+2.6	2+00	3.2	
<u>2</u>	3.2	+2.5	(5.7)	3.2	+2.5
(5.7)	3.2			3.3	+2.4
	3.2			3.2	+2.5
50	3.2			3.2	
	3.2		50	3.2	+2.5
	3.2			3.3	+2.4
	3.2			3.2	+2.5
	3.2			3.3	+2.4
1+00	3.2			3.3	
	3.2		3+00	3.3	
	3.2			3.3	
	3.2			3.2	
	3.2			3.3	
50	3.2			3.3	
	3.2		50	3.3	
	3.2			3.3	
	3.2	+2.5		3.3	+2.4

N. 99+00 SOUND EAST ②
 Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev
	3.2	+2.4	11+00	3.0	+2.6
	3.2			3.0	+2.6
4+00	3.2		6+00	3.0	+2.6
	3.2		(5.6)	3.1	+2.5
(5.6)	3.2			3.2	+2.4
	3.2	+2.4		3.3	+2.3
	3.3	+2.3		3.1	+2.5
50	3.3	+2.3	50	3.3	+2.3
	3.2	+2.4		3.3	+2.3
	3.2	+2.4		3.5	+2.1
	3.3	+2.3		3.3	+2.3
	3.2	+2.4		3.2	+2.4
5+00	3.2	+2.4	7+00	3.2	+2.4
	3.2	+2.4		3.0	+2.6
	3.1	+2.5		3.0	+2.6
	3.1	+2.5		2.9	+2.7
	3.0	+2.6		2.7	+2.9
50	3.0	+2.6	50	2.4	+3.2
	3.0	+2.6		2.5	+3.1
	2.9	+2.7		2.5	+3.1

N. 99+00			8-7-56		
Dist	Sound	Elev	Dist	Sound	Elev
	2.5	+3.1		3.0	+2.5
	2.6	+3.0		3.1	+2.4
8+00	2.5	+3.1		3.0	+2.5
	2.0	+3.6	50	3.1	+2.4
(5.6)	1.7	+3.9		3.0	+2.5
	1.0	+4.6	(5.5)	3.0	+2.5
8+40	1.0	+4.6		3.0	+2.5
Sound West				2.9	+2.6
0+00			2+00	2.8	+2.7
<u>11.47</u>	3.0	+2.6		2.9	+2.6
	3.0	+2.6		2.9	+2.6
	3.1	+2.5		2.8	+2.7
	3.0	+2.6		3.0	+2.5
50	3.2	+2.4	50	2.9	+2.6
	3.1	+2.5		2.8	+2.7
	3.1	+2.5		2.8	+2.7
	3.1	+2.5		2.8	+2.7
	3.0	+2.6		2.7	+2.8
1+00	3.0	+2.6	3+00	2.9	+2.6
	3.0	+2.6		2.6	+2.9

N. 99+00; Sound West (5)					
Dist	Sound	Elev	Dist	Sound	Elev
	2.8	+2.7		2.5	+3.0
	2.7	+2.8		2.4	+3.1
	2.6	+2.9		2.7	+2.8
50	2.5	+3.0	50	2.3	+3.2
	2.6	+2.9		2.6	+2.9
(5.5)	2.7	+2.8	(5.5)	2.5	+3.0
	2.6	+2.9		2.6	+2.9
	2.5	+3.0		2.6	+2.9
1+00	2.5		6+00	2.5	+3.0
	2.5		5+00	2.5	+3.0
	2.5	+3.0		2.4	+3.1
	2.6	+2.9		2.5	+3.0
	2.5	+3.0		2.7	+2.8
50	2.4	+3.1	50	2.7	+2.8
	2.3	+3.2		2.6	+2.9
<u>11.50</u>	2.2	+3.3		2.4	+3.1
	2.5	+3.0		2.4	+3.1
	2.5			2.3	+3.2
5+00	2.5		7+00	2.2	+3.3
	2.5	+3.0		2.0	+3.5

8-7-56 (Contd from MB90, Pg. 17)

N. 99+00: SOUND WEST N. 100+00: 0+00 = W. 8,000 SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
	1.9	+3.6		2.0	+3.4	0+00	3.0	+2.4		3.2	+2.2
	1.8	+3.7	(5.4)	1.8	+3.6	12:02	3.1	+2.3	2+00	3.3	+2.1
	1.7	+3.8		1.8	+3.6		3.2	+2.2		3.2	+2.2
50	1.7	+3.8	11:55	1.8	+3.6	(5.4)	3.2		(5.4)	3.1	+2.3
(5.5)	1.6	+3.9	50	1.7	+3.7		3.2			3.1	+2.3
	1.8	+3.7		1.6	+3.8	50	3.2	+2.2		3.2	+2.2
	1.8			1.5	+3.9		3.1	+2.3	50	3.2	+2.2
	1.8			1.5	+3.9		3.1	+2.3		3.2	+2.2
8+00	1.8			1.4	+4.0		3.1	+2.3		3.1	+2.3
	1.8	+3.7	10+00	1.5	+3.9		3.2	+2.2		3.1	
	1.7	+3.8				1+00	3.3	+2.1		3.1	
	1.8	+3.7					3.3	+2.1	3+00	3.1	
	2.0	+3.5					3.2	+2.2		3.1	
50	1.8	+3.7					3.2			3.1	
	2.0	+3.5					3.2			3.1	
	2.1	+3.4				50	3.2			3.1	+2.3
	2.0	+3.5					3.2		50	3.2	+2.2
	2.0	+3.5					3.2			3.1	+2.3
9+00	2.0	+3.5					3.2	+2.2		3.1	+2.3

N 100+00 SOUND EAST.						N 100+00 8-7-56					
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
	3.2	+2.2		3.0	+2.4		2.6	+2.7	1+00	3.0	+2.2
	3.1	+2.3		3.1	+2.3		2.6	+2.7		3.0	
4+00	3.1		6+00	3.0	+2.4	6+00	2.5	+2.8		3.0	
<u>12:05</u>	3.1			3.0			2.5	+3.0		3.0	
	3.1		(54)	3.0		(53)	2.2	+3.1	(52)	3.0	+2.2
(54)	3.1			3.0	+2.4		2.1	+3.2	50	2.9	+2.3
	3.1			3.1	+2.3		2.0	+3.3		2.9	
50	3.1	+2.3	50	3.0	+2.4	50	1.9	+3.4		2.9	
	3.2	+2.2		3.0		12:08	1.5	+3.8		2.9	
	3.1	+2.3		3.0		<u>Sound West</u> (Plotted Rod 21)				2.9	
	3.2	+2.2		3.0		0+00			2+00	2.9	
	3.1	+2.3		3.0	+2.4	<u>12:13</u>	3.0	+2.3		2.9	
5+00	3.1		7+00	2.9	+2.5		3.1	+2.2	12:15	2.9	+2.3
	3.1			2.9	+2.5		3.0	+2.3		2.8	+2.4
	3.1			2.8	+2.6		3.0	+2.3		2.8	+2.4
	3.1		12:07	2.9	+2.5	50	3.0	+2.3	50	2.9	+2.3
	3.1			2.7	+2.7		3.1	+2.2		2.8	+2.4
50	3.1	+2.3	50	2.7			3.0	+2.3		2.9	+2.3
	3.0	+2.4		2.7			3.0	+2.3		2.9	+2.3
	3.0	+2.4		2.7	+2.7		3.0	+2.3		2.9	+2.3

N.100+00; SOUND WEST 8-7-56						N.100+00; SOUND WEST. (8)					
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
3+00	2.9	+2.3	5+00	2.8	+2.4	7+00	2.4	+2.8	9+00	2.3	+2.9
	2.9	+2.3		2.8	+2.4	12+20	2.7	+2.5		2.2	+3.0
	3.0	+2.2	(52)	2.9	+2.3		2.7	+2.5		2.1	+3.1
(52)	2.9	+2.3	12+18	2.9		(52)	2.7	+2.5	(52)	2.3	+2.9
	3.0	+2.2		2.9			2.4	+2.8		2.0	+3.2
50	3.0	+2.3	50	2.9	+2.3	50	2.4		50	2.0	
	3.0	+2.2		2.8	+2.4		2.4			2.0	
	2.9	+2.3		2.8	+2.4		2.4	+2.8		2.0	
	2.8	+2.4		2.8	+2.4		2.7	+2.5		2.0	+3.2
	2.9	+2.3		2.9	+2.3		2.3	+2.9		2.1	+3.1
4+00	2.9		6+00	2.8	+2.4	8+00	2.3	+2.9	10+00	2.1	+3.1
	2.9			2.9	+2.3		2.2	+3.0		2.0	+3.2
	2.9			2.9	+2.3		2.2	+3.0		1.8	+3.4
	2.9	+2.3		2.9	+2.3		2.0	+3.2		1.8	+3.4
	3.0	+2.2		2.8	+2.4		2.3	+2.9		2.0	+3.2
50	2.9	+2.3	50	2.8	+2.4	50	2.4	+2.8	50	2.0	+3.0
	3.0	+2.2		2.8	+2.4		2.2	+3.0		1.8	+3.4
	2.9	+2.3		2.6	+2.6		2.3	+2.9		1.7	+3.5
	2.9	+2.3		2.4	+2.8		2.0	+3.2		2.0	+3.2
	2.9	+2.3		2.5	+2.7		2.2	+3.0		2.5	+2.7
									11+00	1.5	+3.7

N 120+00; 0+00 = W 8000 SOUND EAST			N 120+00; SOUND EAST			8-7-56						
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev				
0+00	3.0	+0.5	2+00	3.4	+0.1	4+00	3.4	+0.1	6+00	3.2	+0.3	
<u>2:00</u>	3.0	}		3.4	+0.1		3.6	0.1		3.1	+0.4	
	3.0				3.5	0.0		3.3	+0.2		3.2	+0.3
(3.5)	3.0			(3.5)	3.4	+0.1	(3.5)	3.5	0.0	(3.5)	3.1	+0.4
	3.0		+0.5		3.5	0.0		3.3	+0.2		3.0	+0.5
50	3.1	+0.4	50	3.6	0.1	50	3.6	0.1	50	3.1	+0.4	
	3.1	}		3.6	0.1		3.5	0.0		2.9	+0.6	
	3.1				3.6	0.1		3.4	+0.1		3.0	+0.5
	3.1				3.5	0.0		3.5	0.0		3.0	+0.5
	3.1				3.5			3.4	+0.1		3.0	+0.5
1+00	3.1	+0.4	3+00	3.5	}	5+00	3.3	+0.2	7+00	2.9	+0.6	
	3.2	+0.2		3.5				3.3	+0.2		2.9	+0.6
	3.2	}		3.5				3.2	+0.3		3.0	+0.5
	3.2					3.5		<u>2:05</u>	3.2	+0.3		2.9
	3.2	}		3.5	0.0		3.3	+0.2		2.9	+0.6	
50	3.2			50	3.6	0.1	50	3.4	+0.1	50	2.7	+0.8
	3.2		+0.2		3.5	0.0		3.4	+0.1		2.7	+0.8
	3.2		+0.2		3.2	+0.3		3.4	+0.1		2.7	+0.8
	3.3	+0.2		3.6	0.1		3.3	+0.2		2.9	+0.6	
	3.3	+0.2		3.6	0.1		3.2	+0.3		3.0	+0.5	

N120+00; SOUND EAST 8-7-56						N120+00 8-7-56						
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	
8+00	2.7	+0.7	10+00	2.1	+1.3	12+00	1.0	+2.3		2.0	+1.3	
	2.6	+0.8		2.0	+1.4		1.0	+2.3		2.0		
(34)	2.7	+0.7		2.1	+1.3	(33)	0.7	+2.6		2.0		
	2.7	+0.7	(30)	2.0	+1.4		1.0	+2.3	(33)	2.0		
<u>2.07</u>	2.7	+0.7		2.0	+1.4		1.0	+2.3	50	2.0	+1.3	
50	2.6	+0.8	50	1.8	+1.6	50	1.0	+2.3		1.9	+1.4	
	2.7	+0.7		1.9	+1.5		0.8	+2.5		2.0	+1.3	
	2.6	+0.8		1.9	+1.5	(Cont'd NB 90, Pp. 40)	2.3	0.7	+2.6		1.7	+1.6
	2.7	+0.7		2.0	+1.4	Sound West					1.8	+1.5
	2.5	+0.9		1.8	+1.6	0+00			2+00	1.8	+1.5	
9+00	2.5	+0.9	11+00	1.7	+1.7		2.9	+0.4		1.8	+1.5	
	2.4	+1.0		1.5	+1.9	223	2.7	+0.6		1.7	+1.6	
	2.4	+1.0		1.6	+1.8		2.7			1.7	+1.6	
	2.4	+1.0		1.7	+1.7		2.7			1.6	+1.7	
	2.5	+0.9	<u>210</u>	1.6	+1.8	50	2.7	+0.6	50	1.6	+1.7	
50	2.4	+1.0	<u>50</u>	1.2	+2.2		2.5	+0.8		1.5	+1.8	
	2.5	+0.9		1.2	+2.2		2.4	+0.9		1.5		
	2.3	+1.1		1.0	+2.4		2.3	+1.0		1.5		
	2.3	+1.1		1.0	+2.4		2.4	+0.9		1.5	+1.8	
	2.1	+1.3		1.0	+2.4	1+00	2.2	+1.1	3+00	1.4	+1.9	

N/120+00; SOUND WEST			8-7-56			N/120+00; SOUND WEST			①		
DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
	1.5	+1.6		3.5	2.4		2.0	+1.1		2.3	+0.8
	1.5	+1.6		4.7	1.6		2.1	+1.0		2.7	+0.4
	1.3	+1.8		3.5	0.4		2.2	+0.9		2.8	+0.3
	1.5	+1.6		3.0	0.1		2.1	+1.0		2.9	+0.2
50	1.3	+1.8	50	2.0	+1.1	50	2.0	+1.1	50	3.1	0.0
(3.1)	1.3	+1.8	(3.1)	1.9	+1.2	(3.1)	2.1	+1.0		3.0	+0.1
	1.5	+1.6		1.8	+1.3		2.2	+0.9	(3.1)	3.0	+0.1
	1.4	+1.7		2.0	+1.1		2.1	+1.0		2.8	+0.3
	1.5	+1.6		2.0	+1.1		2.1	+1.0		2.7	+0.4
4+00	1.5	+1.6	6+00	2.0	+1.1	8+00	2.2	+0.9	10+00	2.8	+0.3
	1.6	+1.5		1.9	+1.2		2.3	+0.8		2.6	+0.5
	1.8	+1.3		2.0	+1.1		2.3	+0.8		2.6	+0.5
	1.9	+1.2		2.0	+1.1	2.28	2.2	+0.9		2.5	+0.6
	2.1	+1.0		2.0	+1.1		2.3	+0.8		2.4	+0.7
50	3.3	0.2	50	1.9	+1.2	50	2.3	+0.8	50	2.3	+0.8
	6.0	2.9		1.9	+1.2		2.2	+0.9	2:30	2.3	+0.8
	6.8	3.7		2.0	+1.1		2.3	+0.8	2.30	2.4	+0.7
2:25	7.5	4.4		2.0			2.2	+0.9		2.6	+0.5
	7.2	4.1		2.0			2.2	+0.9		2.5	+0.6
5+00	6.3	3.2	7+00	2.0	+1.1	9+00	2.3	+0.8	11+00	2.6	+0.5

N. 120+00; SOUND WEST			8-7-56			N. 20+00; SOUND WEST			(12)			
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	
	2.7	+0.4		2.9	+0.1		3.1	0.1		2.6	+0.4	
	2.7	+0.4		2.9	+0.1		3.1	0.1		2.6	+0.4	
	2.8	+0.3		2.9	+0.1		3.1	0.1		2.4	+0.6	
	2.9	+0.2		3.0	0.0		3.0	0.0		2.4	+0.6	
50	2.9	+0.2	50	3.0	0.0	50	3.0	0.0	50	2.4	+0.6	
(3.1)	3.0	+0.1	(3.0)	3.0	0.0	(3.0)	2.8	+0.2		2.3	+0.7	
	3.0	}		3.1	0.1		2.7	+0.3	(3.0)	2.1	+0.9	
	3.0			3.0	0.0		2.7	+0.3		2.1	+0.9	
	3.0			3.1	0.1		2.5	+0.5		2.1	+0.9	
12+00	3.0	}	14+00	3.0	0.0	16+00	2.5	+0.5	18+00	2.0	+1.0	
	3.0		+0.1		3.0	0.0		2.4	+0.6	}	2.0	+1.0
	2.9		+0.2		3.1	0.1		2.4	+0.6		2.1	+0.9
	2.8	+0.3	2:33	3.1	}	2:35	2.4	+0.6		2.5	+0.5	
	2.8	+0.3		3.1				2.3	+0.7		2.9	+0.1
50	2.8	+0.3	50	3.1	0.1	50	2.3	+0.7	50	3.1	0.1	
	2.9	+0.2		3.2	0.2		2.2	+0.8		3.5	0.5	
	2.8	+0.3		3.2	0.2		2.5	+0.5		4.0	1.0	
	2.9	+0.2		3.2	0.2		2.7	+0.3		4.0	1.0	
	2.8	+0.3		3.2	0.2		2.9	+0.1		4.0	1.0	
13+00	2.9	+0.2	15+00	3.1	0.1	17+00	2.8	+0.2	19+00	3.7	0.7	

N 120+00; SOUND WEST
Dist Sound Elev

	3.0	0.0
	3.0	0.0
<u>2:37</u>	2.9	+0.1
	2.7	+0.3
50	2.8	+0.2
(3.0)	2.8	+0.2
	2.8	+0.2
	2.7	+0.3
	2.7	+0.3
20+00	2.5	+0.5

(cont'd MB93, P924)

8-8-56 Cont'd from MB90 P917 (13)

N. 102+00; 0+00 = N. 8,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	+2.0		3.8	+1.7
(5.5)	3.5	+2.0	2+00	3.8	+1.7
<u>10.58</u>	3.5	+2.0		3.8	+1.7
	3.6	+1.9	(55)	3.8	+1.7
	3.6	+1.9		3.8	+1.7
50	3.6	+1.9		3.8	+1.7
	3.7	+1.8	50	4.0	+1.5
	3.8	+1.7		4.0	+1.5
	3.8	+1.7		3.8	+1.7
	3.8	+1.7		3.8	+1.7
1+00	3.8	+1.7		4.0	+1.5
	3.8	+1.7	3+00	3.8	+1.7
	3.8	+1.7		3.8	+1.7
	3.8	+1.7		4.0	+1.5
	4.0	+1.5		3.8	+1.7
50	3.8	+1.7		3.8	+1.7
	3.8	+1.7	50	3.8	+1.7
	3.8	+1.7		4.0	+1.5
	3.8	+1.7		3.8	+1.7

N102+00 SOUND EAST 8-8-56

N102+00 SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	
	3.8	+1.7		3.8	+1.7		3.0	+2.6		3.8	+1.8	
	3.8	+1.7		3.8	+1.7		3.0	+2.6		3.7	+1.9	
4+00	4.0	+1.5	6+00	3.8	+1.7	8+00	2.9	+2.7		3.8	+1.8	
<u>11.20</u>	4.0	+1.5		3.6	+1.9		2.8	+2.8	14+00	3.8	+1.8	
<u>2</u>	3.8	+1.7		3.8	+1.7	(5.6)	2.8	+2.8		3.7	+1.9	
	4.0	+1.5	(5.5)	3.7	+1.8	<u>11.05</u>	2.8	+2.8	(5.6)	3.8	+1.8	
	3.8	+1.7		3.8	+1.7		2.6	+3.0		3.8	+1.8	
50	3.9	+1.6	50	3.9	+1.6	50	2.6	+3.0		3.8	+1.8	
(5.5)	3.9	+1.6		3.7	+1.9		2.3	+3.3	50	3.8	+1.8	
	3.9	+1.6		3.8	+1.7		2.0	+3.6		3.8	+1.8	
	3.9	+1.6		3.8	+1.7		1.0	+4.6		3.8	+1.8	
	3.8	+1.7		3.7	+1.8	(cont'd NB90P917)	0.5	+5.1		3.6	+2.0	
5+00	3.8	+1.7	7+00	3.3	+2.2	SOUND WEST				3.6	+2.0	
	3.8	+1.7		3.4	+2.1	(Plotted Roll 21)	0+00		2+00	3.7	+1.9	
	4.0	+1.5		3.4	+2.1					3.7	+1.9	
	3.8	+1.7	<u>11.03</u>	3.5	+2.0	<u>11.08</u>		3.6	+2.0	3.7	+1.9	
	3.6	+1.9	<u>2</u>	3.3	+2.2			3.6	+2.0	3.8	+1.8	
50	3.8	+1.7	50	3.2	+2.3			3.8	+1.8	3.7	+1.9	
	3.8	+1.7		3.0	+2.5		50	3.8	+1.8	50	3.8	+1.8
	3.6	+1.9		3.0	+2.5			3.8	+1.8	3.7	+1.9	

N102+00; SOUND WEST 8-8-56			N102+00 SOUND WEST			N102+00 SOUND WEST			15		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
	3.8	+1.9		3.9	+1.8		3.9	+1.9		3.8	+2.0
	3.8	+1.9		3.9	+1.8		3.8	+2.0	(5.8)	3.7	+2.1
	3.7	+2.0		4.0	+1.7		3.8	+2.0		3.8	+2.0
3+00	3.8	+1.9	5+00	3.9	+1.8	7+00	3.8	+2.0	9+00	3.6	+2.2
11/12	3.8	+1.9		3.9	+1.8		3.8	+2.0		3.5	+2.3
	3.6	+2.1	(5.7)	3.9	+1.8		3.9	+1.9		3.5	+2.3
(5.7)	3.6	+2.1		3.9	+1.8	11/15	3.8	+2.0		3.5	+2.3
	3.8	+1.9		3.8	+1.9		3.8	+2.0		3.5	+2.3
50	3.6	+2.1	50	3.8	+1.9	50	4.0	+1.8	50	3.6	+2.2
	3.8	+1.9		3.8	+1.9		3.7	+2.1		3.4	+2.4
	3.7	+2.0		3.8	+1.9	(5.8)	3.6	+2.2		3.3	+2.5
	3.8	+1.9		3.8	+1.9		3.6	+2.2		3.3	+2.5
	3.8	+1.9		3.8	+1.9		3.5	+2.3	11/18	3.2	+2.6
4+00	3.8	+1.9	6+00	3.8	+1.9	8+00	3.6	+2.2	10+00	3.3	+2.5
	3.8	+1.9		3.8	+1.9		3.8	+2.0		3.4	+2.4
	3.8	+1.9		4.0	+1.7		3.8	+2.0		3.3	+2.5
	3.8	+1.9		3.9	+1.8		3.8	+2.0		3.3	+2.5
	4.0	+1.7		3.9	+1.8		3.7	+2.1		3.3	+2.5
50	3.8	+1.9	50	3.8	+1.9	50	3.7	+2.1	50	3.0	+2.8
	3.9	+1.8		3.9	+1.8		3.8	+2.0		3.0	+2.8

N. 102+00 SOUND WEST			8-8-56			N 102+00 SOUND WEST			96		
DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV	DIST	SOUND	ELEV
	3.0	+2.8	(5.8)	2.5	+3.3		1.8	+4.0		4.0	+1.8
(5.8)	3.0	+2.8		2.5	+3.3	(5.8)	1.7	+4.1	(5.8)	4.2	+1.6
	3.0	+2.8	11:20	2.2	+3.4		1.5	+4.3		4.7	+1.1
	3.0	+2.8		2.4	+3.4		1.5	+4.3		4.8	+1.0
11+00	2.9	+2.9	13+00	2.5	+3.3	15+00	1.5	+4.3	17+00	5.0	+0.8
	3.0	+2.8		2.5	+3.3		1.5	+4.3		5.0	+0.8
11:18	3.0	+2.8		3.0	+2.8		1.7	+4.1		5.0	+0.8
	3.1	+2.7		2.5	+3.3		1.8	+4.0		5.1	+0.7
	3.0	+2.8		2.0	+3.8		2.0	+3.8		5.1	+0.7
50	3.0	+2.8	50	2.0	+3.8	50	2.3	+3.5	50	5.2	+0.6
	2.8	+3.0		2.5	+3.3		2.0	+3.8		5.3	+0.5
	2.8	+3.0		2.0	+3.8	11:25	2.0	+3.8		5.5	+0.3
	3.0	+2.8		2.0	+3.8		2.5	+3.3		6.0	0.2
	2.7	+3.1		2.0	+3.8		2.8	+3.0		6.0	0.2
12+00	2.7	+3.1	14+00	2.0	+3.8	16+00	3.1	+2.7	18+00	6.1	0.3
	2.5	+3.3		1.8	+4.0		3.4	+2.4		6.5	0.7
	2.7	+3.1		1.7	+4.0		3.5	+2.3		6.8	1.0
	2.6	+3.2		1.8	+4.0		3.8	+2.0		6.8	1.0
	2.8	+3.0		1.8	+4.0		3.8	+2.0		7.0	1.2
50	2.9	+2.9	50	1.7	+4.0	50	4.1	+1.7	50	7.0	1.2

N 102+00 SOUND WEST

Dist Sound Elev

	7.1	1.3
(5.8)	7.3	1.5
	7.5	1.7
	7.3	1.5
19+00	7.6	1.8
	7.7	1.9
	7.5	1.7
11:28	8.0	2.2
	8.0	2.2
56	7.8	2.0
	7.3	1.5
	7.2	1.4
	7.3	1.5
	7.4	1.6
20+00	7.8	2.0

(Contd MB 93, Pg. 45)

8-8-56 (Contd from NB 92, Pg 18) (57)

N 104+00; 0+00 = W. B. 000; SOUND EAST

Dist Sound Elev Dist Sound Elev

0+00	4.1	+1.8		4.5	+1.4
	4.1	+1.8	2+00	4.5	+1.4
11:44	4.2	+1.7		4.4	+1.5
	4.3	+1.6	(5.9)	4.5	+1.4
	4.4	+1.5		4.5	+1.4
50	4.5	+1.4		4.5	+1.4
	4.4	+1.5	50	4.3	+1.6
(5.9)	4.5	+1.4		4.3	+1.6
	4.4	+1.5		4.5	+1.4
	4.3	+1.6		4.4	+1.5
1+00	4.5	+1.4		4.5	+1.4
	4.3	+1.6	2+00	4.6	+1.3
	4.5	+1.4		4.5	+1.4
	4.4	+1.5		4.4	+1.5
	4.5	+1.4		4.3	+1.6
50	4.3	+1.6		4.3	+1.6
	4.5	+1.4	50	4.5	+1.4
	4.5	+1.4		4.4	+1.5
	4.5	+1.4		4.4	+1.3

N. 104+00; SOUND EAST					
Dist	Sound	Elev	Dist	Sound	Elev
	4.3	+1.7		4.0	+2.0
	4.3	+1.7		4.0	+2.0
4+00	4.4	+1.4	6+00	4.0	+2.0
<u>1147</u>	4.5	+1.5		4.1	+1.9
<u>4</u>	4.3	+1.7	(6.0)	4.0	+2.0
(6.0)	4.6	+1.4		4.0	+2.0
	4.5	+1.5		4.0	+2.0
50	4.5	+	50	4.1	+1.9
	4.5	+		3.8	+2.0
	4.5	+1.5		3.9	+2.0
	4.6	+1.4		3.9	+2.0
	4.6	+1.4		3.8	+2.0
5+00	4.4	+1.6	7+00	4.0	+2.0
	4.3	+1.7		3.8	+2.0
	4.3	+1.7		3.8	+2.0
	4.3	+1.7		3.7	+2.0
	4.4	+1.6		3.7	+2.0
50	4.3	+1.7	50	3.6	+2.4
	4.4	+1.6		3.6	+2.4
	4.2	+1.8		3.6	+2.4

N. 104+00 8-8-56			(18)		
Dist	Sound	Elev	Dist	Sound	Elev
	3.5	+2.5		4.5	+1.3
	3.3	+2.7	<u>1157</u>	4.6	+1.4
8+00	3.2	+2.8	<u>4.7</u>	4.7	+1.3
	3.4	+2.6	(6.0)	4.5	+1.5
(6.0)	3.5	+2.5	50	4.7	+1.3
	3.4	+2.6		4.3	+1.7
	3.4	+2.6		4.5	+1.5
50	3.3	+2.7		4.5	+
	3.3	+2.7		4.5	+
<u>1150</u>	3.0	+3.0	1+00	4.5	+1.5
	3.1	+2.9		4.4	+1.6
	3.1	+2.9		4.4	+
9+00	3.0	+3.0	<u>1200</u>	4.4	+
	2.8	+3.2	<u>4.4</u>	4.4	+1.6
	2.3	+3.5	50	4.5	+1.5
	2.5	+3.5		4.5	+1.5
	1.7	+4.3		4.6	+1.4
50	1.0	+5.0		4.3	+1.7
				4.6	+1.4
				4.6	+1.4
0+00			2+00	4.6	+1.4

N. 104+00; SOUND WEST			N. 104+00 SOUND WEST			8-8-56 (19)		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
	4.5	+1.5		4.4	+1.6	1203	4.4	+1.6
1202	4.3	+1.7		4.3	+1.7	1204	4.5	+1.5
	4.4	+1.6	(60)	4.5	+1.5	(60)	4.4	+1.6
(60)	4.4	+1.6		4.3	+1.7		4.0	+2.0
50	4.2	+1.8	50	4.4	+1.6	50	4.4	+1.6
	4.3	+1.7		4.3	+1.7	50	4.5	+1.5
	4.5	+1.5		4.3	+1.7		4.5	+1.5
	4.4	+1.6		4.4	+1.6		4.4	+1.6
	4.2	+1.8		4.5	+1.5		4.3	+1.7
3+00	4.5	+1.5	5+00	4.5	+1.5	7+00	4.2	+1.8
	4.4	+1.6		4.5	+1.5		4.3	+1.7
	4.3	+1.7		4.3	+1.7		4.4	+1.6
	4.5	+1.5		4.5	+1.5		4.2	+1.8
	4.5	+1.5		4.3	+1.7		4.2	+1.8
50	4.5	+1.5	50	4.5	+1.5	50	4.1	+1.9
	4.4	+1.6		4.4	+1.6		4.2	+1.8
	4.5	+1.5		4.3	+1.7		4.0	+2.0
	4.3	+1.5		4.5	+1.5		4.0	+2.0
	4.3	+1.7		4.4	+1.6		4.0	+2.0
4+00	4.4	+1.6	6+00	4.3	+1.7	8+00	4.0	+2.0
						10+00	2.9	+3.1

N104+00; SOUND WEST 8-8-56			N104+00 SOUND WEST			N104+00 SOUND WEST ⁽²⁰⁾			
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	
	3.0	+3.0		4.0	+2.0		10.8	4.8	6.5 0.6
	3.0	+3.0		3.5	+2.5		11.0	5.0	12.15 6.7 0.8
<u>12.08</u>	3.5	+2.5		3.5	+2.5	(6.0)	11.0		6.5 0.6
	3.0	+3.0	(6.0)	3.6	+2.4		11.0		(5.9) 6.6 0.7
50	3.0		50	3.8	+2.2	50	11.0		50 6.8 0.9
(6.0)	3.0			4.0	+2.0		11.0	5.0	6.6 0.7
	3.0			4.5	+1.5		10.8	4.8	6.8 0.9
	3.0			5.2	+0.8		10.0	4.0	6.8
	3.0			5.5	+0.5		10.0	4.0	6.8
11+00	3.0		13+00	6.0	0.0	15+00	9.0	3.0	17+00 6.8
	3.0			6.5	0.5		9.2	3.2	6.8 0.9
	3.0	+3.0		7.1	1.1		8.0	2.0	7.0 1.1
	2.8	+3.2		8.5	2.5		7.7	1.7	6.7 0.8
	3.0	+3.0		8.8	2.8		7.2	1.2	6.8 0.9
50	3.0		50	9.0	3.0	50	7.3	1.3	50 7.0 1.1
	3.0			10.0	4.0		7.0	1.0	7.0
	3.0		<u>12.12</u>	10.0	4.0		7.0	1.0	7.0
	3.0			10.7	4.7		7.0	1.0	7.0
	3.0	+3.0		10.5	4.5		6.8	0.8	7.0 1.1
12+00	3.5	+2.5	14+00	10.7	4.7	16+00	6.7	0.7	18+00 7.1 1.2

N104+00; WEST 8-8-56

Dist Sound Elev

7.0 1.1

12:17 7.0 1.1

7.2 1.3

7.1 1.2

12:50 7.0 1.1

7.0 1.1

(5.9) 6.8 0.9

6.3 0.4

6.0 0.1

19+00 6.0 0.1

6.1 0.2

6.0 0.1

6.1 0.2

6.1 0.2

20:50 6.1 0.2

6.0 0.1

6.1 0.2

6.1 0.2

6.2 0.3

20+00 6.1 0.2

(Contd MB93, Pg. 43)

8-9-56 (contd from MB90, Pg 19) (2)

N.106+00; 0+00 = N.8,000; SOUND EAST

Dist Sound Elev Dist Sound Elev

0+00 3.8 +1.4 4.0 +1.2

11:04 3.8 +1.4 2+00 3.9 +1.3

3.8 +1.4 3.9

(5.2) 3.9 +1.3 (5.2) 3.9

3.8 +1.4 3.9 +1.3

50 4.0 +1.2 4.0 +1.2

4.0 +1.2 50 4.0 +1.2

3.9 +1.3 4.0 +1.2

3.8 +1.4 3.9 +1.3

4.2 +1.0 3.8 +1.4

1+00 4.3 +0.9 3.9 +1.3

3.8 +1.4 3+00 3.8 +1.4

4.0 +1.2 3.8 +1.4

3.8 +1.4 4.0 +1.2

3.8 +1.4 3.9 +1.3

50 4.0 +1.2 3.9 +1.3

3.9 +1.3 50 3.9 +1.3

3.8 +1.4 3.8 +1.4

4.2 +1.0 3.9 +1.3

N. 106+00; SOUND EAST

N. 106+00 8-9-56

Dist	Sound	Elev	Dist	Sound	Elev
	3.8	+1.3		3.5	+1.8
	3.9	+1.4		3.6	+1.7
4+00	3.9	+1.4	6+00	3.5	+1.8
	3.8	+1.3		3.5	+1.8
<u>11.07</u>	3.9	+1.4	(5.3)	3.5	+1.8
<u>2</u>	3.9	+1.4		3.5	+1.8
	3.8	+1.3		3.7	+1.6
50	3.8	+1.3	50	3.6	+1.7
(5.3)	3.9	+1.4		3.4	+1.9
	3.7	+1.6		3.3	+2.0
	3.6	+1.7		3.3	+2.0
	3.5	+1.8		3.2	+2.1
5+00	3.6	+1.7	7+00	3.3	+2.0
	3.6	+1.7		3.5	+1.8
	3.8	+1.3		3.4	+1.9
	3.8	+1.3		3.3	+2.0
	3.6	+1.7		3.1	+2.2
50	3.6	+1.7	50	3.2	+2.1
	3.5	+1.8		3.2	+2.1
	3.5	+1.8		3.1	+2.2

Dist	Sound	Elev	Dist	Sound	Elev	
	3.0	+2.3				
	3.1	+2.2				
8+00	3.0	+2.3				
	3.0					
<u>11.17</u>	3.0		(5.4)	4.0	+1.4	
<u>2</u>	3.0	+2.3		4.0	+1.4	
	(5.3)	2.8	+2.5	50	4.1	+1.3
50	2.8			4.0	+1.4	
	2.8			4.0		
	2.8			4.0		
	2.8	+2.5		4.0		
	2.6	+2.7	1+00	4.0	+1.4	
9+00	2.6	+2.7		4.1	+1.3	
	2.8	+2.5		4.1		
	2.7	+2.6		4.1		
	2.4	+2.9		4.1	+1.3	
	2.5	+2.8	50	4.0	+1.4	
50	2.0	+3.3		4.0	+1.4	
	1.0	+4.3		4.1	+1.3	
	0.4	+4.9		4.0	+1.4	

SOUND WEST

0+00 = WB, 000

N. 106+00; SOUND WEST			N. 106+00; SOUND WEST			N. 106+00; SOUND WEST 8-9-56 (23)					
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev			
	3.9	+1.5		4.0	+1.4		4.0	+1.4		3.4	+2.1
2+00	4.0	+1.4	4+00	3.9	+1.5	6+00	4.0		8+00	3.2	+2.3
	4.0	+1.4		4.0	+1.4		4.0			3.1	+2.4
	4.0	+1.4		4.0	+1.4	(54)	4.0	+1.4	(55)	3.0	+2.5
(5.4)	3.9	+1.5	(5.4)	3.9	+1.5		4.1	+1.3		2.8	+2.7
	4.0	+1.4		4.0	+1.4		4.0	+1.4		2.8	+2.7
50	4.0		50	4.0	+1.4	50	4.1	+1.3	50	3.0	+2.5
	4.0		<u>11:20</u>	4.1	+1.3		4.0	+1.4		3.0	+2.5
11:18	4.0			4.0	+1.4		4.0	+1.4		2.7	+2.8
<u>2</u>	4.0			4.1	+1.3		3.9	+1.3		2.8	+2.7
	4.0			4.0	+1.4		3.9	+1.5		2.7	+2.8
3+00	4.0		5+00	4.0		7+00	4.0	+1.4	9+00	2.7	+2.8
	4.0			4.0			4.0	+1.4		2.7	+2.8
	4.0			4.0	+1.4		3.9	+1.3		2.5	+3.0
	4.0			4.2	+1.2		3.9	+1.3		2.6	+2.9
	4.0			4.1	+1.3		3.7	+1.7	<u>11:25</u>	2.3	+3.2
50	4.0		50	4.1	+1.3	50	3.7	+1.7	50	2.5	+3.0
	4.0			4.1	+1.3		3.7	+1.7		2.5	+3.0
	4.0			4.0	+1.4		3.6	+1.8		2.6	+2.9
	4.0	+1.4		4.0	+1.4		3.5	+1.9		2.4	+3.1

N. 106+00; SOUND WEST			N. 106+00; SOUND WEST			N. 106+00; SOUND WEST			8-9-56 (29)		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
	2.5	+3.0		10.6	5.0		4.0	+1.6		2.8	+2.8
10+00	2.5	+3.0	12+00	10.6	5.0	14+00	4.1	+1.5	16+00	2.8	+2.8
	2.6	+2.9		10.4	4.8	(8.6)	4.0	+1.6	(5.6)	2.9	+2.7
(5.5)	2.7	+2.8	(5.6)	9.5	3.9	1130	3.8	+1.8		2.9	+2.7
	2.6	+2.9		9.0	3.4		3.8	+1.8		3.1	+2.5
	2.6	+2.9		8.3	2.7		3.7	+1.9		3.5	+2.1
50	2.7	+2.8	50	7.8	2.2	50	3.2	+2.4	50	4.0	+1.6
	2.8	+2.7		7.2	1.6		3.0	+2.6		4.4	+1.2
	3.2	+2.3		6.6	1.0		2.8	+2.8		4.3	+1.3
	3.5	+2.0		6.3	0.7		2.8	+2.8		4.0	+1.6
	4.2	+1.3		6.0	0.4		2.6	+3.0		3.5	+2.1
11+00	5.0	+0.5	13+00	5.5	+0.1	15+00	2.6	+3.0	17+00	3.1	+2.5
	5.8	0.3		5.0	+0.6		2.5	+3.1		2.8	+2.8
	7.5	2.0		4.7	+0.9		2.5	+3.1		2.8	}
11.27	8.5	3.0		4.5	+1.1		2.6	+3.0		2.8	
	9.6	4.1		5.5	+0.1		2.6	+3.0		2.8	+2.8
50	10.1	4.6	50	5.5	+0.1	50	2.5	+3.1	50	2.7	+2.9
	10.7	5.2		5.0	+0.6		2.6	+3.0		2.8	+2.8
	11.0	5.5		4.5	+1.1		2.5	+3.1		2.7	+2.9
	10.8	5.3		3.8	+1.8		2.8	+2.8		2.5	+3.1

N. 106+00; SOUND WEST 8-9-56

Dist Sound Elev Dist Sound Elev

2.4 +3.3 (5.7) 1.7 +4.0

18+00 2.4 +3.3 20+00 1.6 +4.1

11:33 2.2 +3.5 11:35

2.2 (Cont'd MB 93, P 9, 40)

2.2

2.2

(5.7) 2.2

50 2.2

2.2 +3.5

2.0 +3.7

2.0 +3.7

2.1 +3.6

19+00 2.2 +3.5

2.2 +3.5

2.0 +3.7

1.8 +3.9

2.0 +3.7

50 2.0 +3.7

2.2 +3.5

1.8 +3.9

1.7 +4.0

8-8-56

N. 122+00; 0+00 = W. 8,000; SOUND EAST ⁽²⁵⁾

Dist Sound Elev Dist Sound Elev

0+00 3.7 +0.9 4.5 +0.1

3.7 +0.9 2+00 4.5

(4.6) 3.7 +0.9 4.5

1.48 3.8 +0.8 (4.6) 4.5 +0.1

3.9 +0.7 4.4 +0.2

50 4.1 +0.5 4.4 +0.0

4.2 +0.4 50 4.5 +0.1

4.2 +0.4 4.6 0.0

4.3 +0.3 4.7 0.1

4.3 } 1:50 4.6 0.0

1:00 4.3 } 4.7 0.1

4.3 +0.3 3+00 4.7 0.1

4.2 +0.2 4.8 0.2

4.2 +0.4 4.7 0.1

4.3 +0.3 4.7 0.1

50 4.2 +0.4 Break 4.4 +0.2

4.2 +0.4 50 4.6 0.0

4.3 +0.3 4.8 0.2

4.3 +0.3 4.9 0.3

N. 122+00; SOUND EAST			N. 122+00; SOUND EAST		
Dist	Sound	Elev	Dist	Sound	Elev
	4.8	0.2		4.6	0.0
	4.4	+0.2		4.7	0.1
4+00	4.9	0.3	6+00	4.5	+0.1
	4.9	0.3		4.6	0.0
4+00	4.7	0.1	6+00	4.5	+0.1
(4.6)	5.0	0.4		4.5	+0.1
	5.0		(4.6)	4.4	+0.2
50	5.0		50	4.4	+0.2
	5.0	0.4		4.3	+0.3
50	4.8	0.2	50	4.0	+0.6
	4.6	0.0		4.0	+0.6
<u>1:55</u>	4.5	+0.1		4.1	+0.5
5+00	4.6	0.0	7+00	4.5	+0.1
	4.7	0.1		4.2	+0.4
5+00	4.6	0.0	7+00	4.3	+0.3
	4.5	+0.1		4.3	+0.3
	4.6	0.0		4.3	+0.3
5+00	4.3	+0.3	50	4.0	+0.6
	4.7	0.1		4.0	+0.6
50	4.5	+0.1	50	3.9	+0.7

N. 122+00; SOUND EAST 8-8-56 (26)			N. 122+00; SOUND EAST 8-8-56 (26)		
Dist	Sound	Elev	Dist	Sound	Elev
	4.0	+0.6		3-5	+1.0
	3.9	+0.7		3.3	+1.2
8+00	4.0	+0.6	10+00	3.3	+1.2
	4.0	+0.6	(4.5)	3.4	+1.1
8+00	4.0	+0.6	10+00	3.4	+1.1
(4.6)	3.9	+0.7		3.5	+1.0
	3.8	+0.8	200	3.2	+1.3
50	3.7	+0.9	50	3.1	+1.4
	3.8	+0.8		3.1	+1.4
50	3.8	+0.8	50	3.0	+1.5
	3.5	+1.1		3.0	+1.5
	3.7	+0.9		2.8	+1.7
9+00	3.7	+0.9	11+00	2.9	+1.6
	3.7	+0.9		2.9	+1.6
9+00	3.8	+0.8	11+00	2.8	+1.7
	3.7	+0.9		2.5	+2.0
	3.6	+1.0		2.6	+1.9
50	3.4	+1.2	50	2.3	+2.2
	3.2	+1.4		2.5	+2.0
50	3.3	+1.3	50	2.4	+2.1

N. 122+00; 8-8-56					
Dist	Sound	Elev	Dist	Sound	Elev
	2.3	+2.2		3.1	+1.1
	2.2	+2.3		3.0	+1.2
12+00	2.2	+2.3	50	3.0	+1.2
	2.0	+2.5		3.1	+1.1
12+00	2.1	+2.4	(4.2)	3.0	+1.2
	1.8	+2.7		3.0	+1.2
(4.5)	2.0	+2.5		2.8	+1.4
50	1.5	+3.0	1+00	2.8	+1.4
	1.6	+2.9		3.0	+1.2
<u>2+03</u>	2.0	+2.5		3.0	+1.2
	1.7	+2.8		2.8	+1.4
	1.7	+2.8		2.7	+1.5
13+00	1.8	+2.7	50	2.8	+1.4
	1.5	+3.0		2.8	
	1.4	+3.1		2.8	
13+30	1.3	+3.2		2.8	+1.4
(Cont'd MB93, P940)					
SOUND NEST				2.7	+1.5
0+00			2+00	2.8	+1.4
<u>2+3</u>	3.0	+1.2		2.8	+1.4
(4.2)	3.0	+1.2		2.8	+1.4

N. 122+00, SOUND WEST (27)					
Dist	Sound	Elev	Dist	Sound	Elev
	2.8	+1.4		6.5	2.4
2+15	2.8	+1.4		6.0	1.9
2+15	2.8	+1.4	50	5.0	0.9
	2.6	+1.6		4.0	0.1
(4.2)	2.8	+1.4	(4.1)	3.0	+1.1
	2.8	+1.4		2.8	+1.3
	2.7	+1.5		2.8	+1.3
3+00	2.7		5+00	3.0	+1.1
	2.7		2+8	2.6	+1.5
	2.7	+1.5		2.8	+1.3
	2.8	+1.4		2.8	+1.3
	2.8	+1.4		2.7	+1.4
50	2.8	+1.4	50	2.8	+1.3
	2.9	+1.3		2.8	+1.3
	2.8	+1.4		2.8	+1.3
	4.5	0.3		2.7	+1.4
	5.2	1.0		2.8	+1.3
4+00	6.0	1.8	6+00	2.8	+1.3
	6.5	2.3		2.8	+1.3
	6.7	2.5		2.9	+1.2

N. 122+00, SOUND WEST 8-8 56			N. 122+00, SOUND WEST 8-8 56		
Dist	Sound	Elev	Dist	Sound	Elev
	3.0	+1.1		3.0	+1.1
<u>2:20</u>	3.0			3.1	+1.0
50	3.0		50	3.0	+1.1
(4.1)	3.0		(4.1)	3.0	+1.1
	3.0			3.1	+1.0
	3.0			3.1	+1.0
	3.0			3.2	+0.9
7+00	3.0		9+00	3.1	+1.0
	3.0			3.1	+1.0
	3.0			3.2	+0.9
	3.0			3.1	+1.0
	3.0	+1.1		3.2	+0.9
50	3.1	+1.0	50	3.2	+0.9
	3.2	+0.9		3.1	+1.0
	3.0	+1.1		3.2	+0.9
	3.0			3.1	+1.0
	3.0			3.2	+0.9
8+00	3.0		10+00	3.2	+0.9
	3.0	+1.1		3.3	+0.8
	3.1	+1.0		3.2	+0.9

N. 122+00, SOUND WEST			N. 122+00, SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev
	3.3	+0.7		3.8	+0.2
	3.2	+0.8		3.8	+0.2
50	3.2	+0.8	50	4.0	0.0
(4.0)	4.2	0.2	(4.0)	4.0	0.0
	4.8	0.8		4.1	0.1
	5.3	1.3		4.2	0.2
	5.5	1.5		4.2	0.2
11+00	5.0	1.0	13+00	4.3	0.3
	4.0	0.0		4.1	0.1
	3.2	+0.8		4.2	0.2
	3.0	+1.0		4.1	0.1
	3.2	+0.8		4.2	0.2
50	3.2	+0.8	50	4.3	0.3
<u>2:25</u>	3.2	+0.8		4.5	0.5
	3.3	+0.7		4.6	0.6
	3.4	+0.6		4.4	0.4
	3.5	+0.5		4.2	0.2
12+00	3.6	+0.4	14+00	4.5	0.5
	3.5	+0.5		4.3	0.3
	3.6	+0.4		4.5	0.5

N. 122+00, SOUND WEST 8-8-56

Dist Sound Elev Dist Sound Elev

4.6 0.7 3.4 +0.5

(3.9) 4.3 0.4 (3.9) 3.3 +0.6

50 4.3 0.4 50 3.3 +0.6

2:27 4.6 0.7 3.1 +0.6

4.6 0.7 2:30 3.3 +0.6

4.7 0.8 3.5 +0.6

4.5 0.6 3.6 +0.5

15+00 4.5 0.6 17+00 3.7 +0.6

4.4 0.4 3.8 +0.5

4.2 0.3 4.2 0.3

4.2 } 4.2 0.3

4.2 } 4.6 0.7

50 4.2 } 50 4.2 0.3

4.2 0.3 4.0 0.1

4.3 -0.4 3.8 +0.5

3.8 +0.1 3.3 +0.6

3.8 +0.1 3.2 +0.7

16+00 3.8⁴ +0.5 18+00 3.2 }

3.5 +0.4 3.2 +0.7

3.4 +0.5 3.3 +0.6

N. 122+00 SOUND WEST

Dist Sound Elev Dist Sound Elev

3.6 +0.2

3.8 0.0

50 4.0 0.2

4.5 0.7

(3.8) 4.6 0.8

4.6 0.8

4.2 0.4

19+00 4.2 0.4

3.3 +0.5

3.0 +0.8

3.0 }

3.0 }

50 3.0 +0.8

3.1 +0.7

3.0 +0.8

2:33 3.0 }

3.0 +0.8

20+00 2.7 +1.1

(cont'd NB 93, P 921)

(29)

(Contd from MB 90 Pg. 20)

N. 108+00; 0+00 - W. 8.000; SOUND EAST

N. 108+00; SOUND EAST 8-9-56 (30)
Dist Sound Elev Dist Sound Elev

Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
				5.0	+0.8		4.5	+1.3
0+00	5.0	+0.8		5.0	+0.8	1153	4.8	+1.0
(5.8)	5.2	+0.6	2+00	4.9	+0.9	1+00	4.8	+1.0
11.50	5.0	+0.8		4.9	+0.9	(5.8)	4.7	+1.1
	5.0	+0.8		4.8	+1.0		4.5	+1.3
	5.0	+0.8	(5.8)	4.7	+1.1		4.6	+1.2
50	4.9	+0.9		4.8	+1.0		4.7	+1.1
	4.8	+1.0	50	4.9	+0.9	50	4.8	+1.0
	5.0	+0.8		4.9	+0.9		4.8	+1.0
	4.9	+0.9		4.7	+1.1		4.7	+1.1
	4.8	+1.0		4.8	+1.0	11.55	4.2	+1.6
1+00	4.8	+1.0		4.9	+1.0		4.1	+1.7
	4.7	+1.1	3+00	4.9	+0.9	5+00	4.8	+1.0
	4.8	+1.0		4.8	+1.0		4.9	+0.9
	5.0	+0.8		4.9	+0.9		4.8	+1.0
	5.0	+0.8		4.8	+1.0		4.7	+1.1
50	5.0	+0.8		4.9	+0.9		4.6	+1.2
	4.9	+0.8	50	5.0	+0.8	50	4.6	+1.2
	4.9	+0.8		4.9	+0.9		4.5	+1.3
	4.9	+0.8		4.9	+0.9		4.5	+1.3

N. 108+00; SOUND EAST 8-9-56			N. 108+00; SOUND WEST 8-9-56		
DIST	Sound	Elev	DIST	Sound	Elev
	4.0	+1.9		3.2	+2.7
	4.1	+1.8		3.1	+2.8
			10+00	3.0	+2.9
8+00	4.1	+1.8	(5.9)	3.0	+2.9
				2.9	+3.0
(5.9)	4.1	+1.8	10+00	2.7	+3.2
				1.5	+4.4
	4.0	+1.9	SOUND WEST		
			0+00		
	4.0		(5.9)	5.1	+0.1
	4.0		1205	5.0	+0.9
50	4.0	+1.9		5.0	+0.9
	3.9	+2.0		4.9	+1.0
11.58	3.8	+2.1	50	5.0	+0.9
	3.9	+2.0		4.9	+1.0
	3.7	+2.2		5.0	+0.9
9+00	3.6	+2.3	11+00	5.0	+0.9
	3.6	+2.3		5.0	+0.9
	3.5	+2.4	1+00	4.9	+1.0
	3.4	+2.5		4.9	
	3.3	+2.6		4.9	
50	3.5	+2.4	50	4.9	+1.0
	3.3	+2.6		5.0	+0.9
	3.2	+2.7	50	5.2	+0.7

N. 108+00; SOUND WEST 8-9-56			N. 108+00; SOUND WEST 8-9-56		
DIST	Sound	Elev	DIST	Sound	Elev
	5.1	+0.8		4.9	+1.0
			(5.9)	4.9	+1.0
				5.0	+0.9
				5.0	+0.9
				5.0	+0.9
			2+00	4.9	+1.0
				5.0	+0.9
				5.1	+0.8
				5.0	+0.9
				5.0	+0.9
			50	4.9	+1.0
				5.0	+0.9
				5.1	+0.8
				5.0	+0.9
			3+00	4.9	+1.0
				5.0	+0.9
				4.9	+1.0
				5.0	+0.9
			50	4.9	+1.0
				5.0	+0.9
			50	5.0	+0.9

N. 108+00; SOUND WEST 8-9-56

N. 108+00; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
	4.4	+1.5		4.0	+1.9
(5.9)	4.0	+1.9		4.0	+1.9
	3.9	+2.0	(5.9)	4.0	+1.9
	4.0	+1.9		3.9	+2.0
6+00	4.0	+1.9	8+00	3.7	+2.2
	4.1	+1.8		3.6	+2.3
	4.1	+1.8		3.5	+2.4
12.12	4.2	+1.7		3.3	+2.6
	4.3	+1.6		3.0	+2.9
50	4.2	+1.7	50	3.0	+2.9
	4.2	+1.7		3.0	+2.9
	4.3	+1.6		2.9	+2.0
	4.2	+1.7		3.0	+2.9
	4.2	+1.7		3.0	
7+00	4.3	+1.6	9+00	3.0	
	4.3	+1.6		3.0	
	4.3	+1.6		3.0	+2.9
	4.4	+1.5		3.1	+2.8
	4.3	+1.6		3.1	+2.8
50	4.2	+1.7	50	3.2	+2.7

Dist	Sound	Elev	Dist	Sound	Elev
	3.1	+2.9		4.0	+2.0
(6.0)	3.2	+2.8	(6.0)	4.0	+2.0
	3.4	+2.6		4.2	+1.8
	5.3	+0.7		4.2	+1.8
10+00	6.7	0.7	12+00	4.4	+1.4
	9.3	3.3		5.0	+1.0
	10.5	4.5		4.9	+1.1
12.5	11.5	5.5		4.0	+2.0
	12.8	6.8		3.7	+2.3
50	12.8	6.8	50	3.7	+2.3
	12.9	6.9		3.6	+2.4
	12.9	6.9		3.6	+2.4
	11.5	5.5		3.5	+2.5
	10.0	4.0		3.5	+2.5
11+00	8.8	2.8	13+00	3.5	+2.5
	7.3	1.3		3.4	+2.6
	6.9	0.9		3.3	+2.7
	5.8	+0.2		3.3	+2.7
	5.0	+1.0		3.2	+2.8
50	4.3	+1.7	50	3.2	+2.8

N. 108+00; SOUND WEST 8-9-56			N. 108+00; SOUND WEST			N. 108+00; SOUND WEST (33)			
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	
	3.2	+2.8		5.3	+0.7		3.9	+2.1	2.8 +3.2
(6.0)	3.2	}	(6.0)	4.6	+1.4	(6.0)	3.8	+2.2	(6.0) 2.6 +2.4
	3.2			3.8	+2.2		3.8		2.3 +2.7
	3.2			3.8	+2.2		3.8		2.2 +3.8
14+00	3.2			16+00	3.8	+2.2	18+00	3.8	20+00 2.1 +3.9
	3.2	}		4.0	+2.0		3.8	+2.2	(Contd MB 93, Pg 39)
	3.2		+2.8		4.0	+2.0		3.9	+2.1
12:20	3.1		+2.9		4.1	+1.9		4.0	+2.0
	3.2	+2.8		4.2	+1.8		4.0		
50	3.3	+2.7	50	4.2		50	4.0		
	3.5	+2.5		4.2			4.0	+2.0	
	3.6	+2.4		4.2	+1.8		3.9	+2.1	
	3.8	+2.2		4.1	+1.9		3.9	+2.1	
	3.8	+2.2		4.0	+2.0		3.8	+2.0	
15+00	3.8	+2.2	17+00	4.1	+1.9	19+00	3.8	+2.2	
	3.9	+2.1		4.0	+2.0		3.8	+2.2	
	4.1	+1.9		4.2	+1.8		3.5	+2.5	
	5.2	+0.8		4.2	+1.8		3.3	+2.7	
	6.0	0.0		4.0	+2.0		3.2	+2.8	
50	6.0	0.0	50	3.9	+2.1	50	3.0	+3.0	

(Contd from MB 90, P 20)

N. 110+00; 0+00 = W. 8,000; SOUND EAST			SOUND EAST		
Dist	Sound	Elev	Dist	Sound	Elev
0+00	4.7	+0.9		4.8	+0.8
	4.7	+0.9	2+00	4.8	+0.8
(5.6)	4.8	+0.8	(5.6)	4.9	+0.7
132	4.6	+1.0		4.7	+0.9
<u>2</u>	4.7	+0.9		4.3	+1.3
.50	4.8	+0.8		4.4	+1.2
	4.8	+0.8	50	4.6	+1.0
	4.7	+0.9		4.5	+1.1
	4.7	+0.9		4.2	+1.4
	4.7	+0.9		4.6	+1.0
1+00	4.8	+0.8		4.5	+1.1
	4.8	+0.8	3+00	4.7	+0.9
	4.6	+1.0		4.7	+0.9
	4.8	+0.8		4.6	+1.0
	4.8	}		4.7	+0.9
50	4.8			4.8	+0.8
	4.8	}	50	4.8	+0.8
	4.8		+0.8		4.7
	4.6	+1.0		4.7	+0.9

N. 110+00 EAST 8-9-56			Elev		
Dist	Sound	Elev	Dist	Sound	Elev
	4.8	+0.8		4.3	+1.2
	4.8	+0.8	135	4.3	+1.2
4+00	4.4	+1.2	6+00	4.4	+1.1
(5.6)	4.5	+1.1	(5.3)	4.3	+1.2
	4.5	+1.1		4.2	+1.3
	4.6	+1.0		4.2	+1.3
	4.5	+1.1		4.0	+1.5
50	4.6	+1.0	50	4.0	}
	4.6	+1.0		4.0	
	4.6	+1.0		4.0	+1.5
	4.4	+1.2		4.1	+1.4
	4.5	+1.1		4.2	+1.3
5+00	4.3	+1.3	7+00	4.2	+1.3
	4.5	+1.1		4.2	+1.3
	4.5	+1.1		4.0	+1.5
	4.4	+1.2		4.0	+1.5
	4.3	+1.3		4.1	+1.4
50	4.2	+1.4	50	4.1	+1.4
	4.4	+1.2		4.1	+1.4
	4.4	+1.2		4.0	+1.5

N. 110+00; 8-9-56					
Dist	Sound	Elev	Dist	Sound	Elev
	3.9	+1.6		3.1	+2.3
	3.9	+1.6		3.0	+2.4
8+00	4.0	+1.5	10+00	3.0	+2.4
	3.8	+1.7		3.0	+2.4
(5.3)	3.8	+1.7	(5.4)	2.8	+2.6
	4.0	+1.5		2.6	+2.8
	3.8	+1.7		2.5	+2.9
50	3.8	+1.7	50	2.5	+2.9
	3.7	+1.8		1.8	+3.6
	3.6	+1.9		1.0	+4.4
	3.9	+1.6	10+80	0.6	+4.8
	3.5	+2.0			
9+00	3.3	+2.2	11+00		
	3.3	+2.2	SOUND WEST		
	3.5	+2.0	0+00		
1:37	3.4	+2.1	1:45	4.7	+0.6
<u>2</u>	3.3	+2.2	<u>2</u>	4.6	+0.7
50	3.3	+2.2	(5.3)	4.8	+0.5
	3.2	+2.3		4.8	+0.5
	3.1	+2.4	50	4.7	+0.6

N. 110+00; SOUND WEST			(35)		
Dist	Sound	Elev	Dist	Sound	Elev
	4.7	+0.6		4.5	+0.7
(5.3)	4.6	+0.7		4.6	+0.6
	4.5	+0.8	(5.2)	4.7	+0.5
	4.3	+1.0		4.6	+0.6
1+00	4.5	+0.8	3+00	4.7	+0.5
	4.6	+0.7		4.5	+0.7
	4.4	+0.9		4.6	+0.6
	4.4	+0.9	1:47	4.6	+0.6
	4.6	+0.7		4.3	+0.9
50	4.7	+0.6	50	4.0	+1.2
	4.8	+0.5		3.8	+1.4
	4.6	+0.7		3.6	+1.6
	4.7	+0.6		3.8	+1.4
	4.7	+0.6		3.8	+1.4
2+00	4.6	+0.7	4+00	4.0	+1.2
	4.7	+0.6		4.6	+0.6
	4.5	+0.8		5.5	+0.7
	4.4	+0.9		6.6	+0.6
	4.4	+0.9		4.6	+0.6
50	4.5	+0.8	50	4.3	+0.9

N. 110+00; SOUND WEST 8-9-56			N. 110+00; SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev
	4.0	+1.2		3.4	+1.8
(5.2)	4.2	+1.0		3.3	+1.9
<u>1.50</u>	4.2	+1.0	(5.2)	3.3	+1.9
	4.2	+1.0		3.2	+2.0
5+00	4.3	+0.9	7+00	3.8	+1.4
	4.2	+0.8		3.5	+1.7
	4.5	+0.7		4.0	+1.2
	4.3	+0.9		4.7	+0.5
	4.3	+0.9		5.2	0.0
50	4.2	+1.0	50	6.5	1.3
	4.2	+1.0		7.5	2.3
	4.3	+0.9		8.5	3.3
	4.2	+1.0		8.0	2.8
	4.0	+1.2		6.5	1.3
6+00	4.0	+1.2	8+00	4.0	+1.2
	4.0	+1.2		3.5	+1.7
	3.8	+1.4		3.5	+1.7
	3.8	+1.4		3.2	+2.0
	3.6	+1.6		3.2	+2.0
50	3.8	+1.4	50	3.2	+2.0

N. 110+00; SOUND WEST. (36)			N. 110+00; SOUND WEST.		
Dist	Sound	Elev	Dist	Sound	Elev
	3.2	+2.0		3.8	+1.4
(5.2)	3.3	+1.9	(5.2)	3.7	+1.5
	3.6	+1.6		3.7	+1.5
	4.7	+0.5		4.0	+1.2
9+00	5.2	0.0	11+00	4.0	+1.2
	6.0	0.8		4.3	+0.9
	6.8	1.6		4.5	+0.7
<u>1.55</u>	8.0	2.8		4.3	+0.9
	8.8	3.6		4.3	+0.9
50	9.0	3.8	50	4.1	+1.1
	9.8	4.6		4.2	+1.0
	10.2	5.0		4.1	+1.1
	10.5	5.3		4.0	+1.2
	10.4	5.2		4.0	
10+00	10.4	5.2	12+00	4.0	
	9.8	4.6		4.0	
	8.7	3.5		4.0	+1.2
	7.0	1.8		3.7	+1.5
	6.0	0.8		3.8	+1.4
50	5.0	+0.2	50	3.7	+1.5

N 110+00; SOUND WEST 8-9-56

Dist	Sound	Elev	Dist	Sound	Elev
	3.8	+1.3	(5.1)	4.0	+1.1
(5.1)	3.6	+1.5	2.00	4.0	
	4.0	+1.1		4.0	
	3.9	+1.2		4.0	
13+00	3.8	+1.3	15+00	4.0	
1.58	3.8	+1.3		4.0	
	3.6	+1.5		4.0	
	3.7	+1.4		4.0	
	3.6	+1.5		4.0	
50	3.8	+1.3	50	4.0	
	3.8	+1.3		4.0	+1.1
	3.8	+1.3		3.8	+1.3
	3.7	+1.4		4.0	+1.1
	3.6	+1.5		3.7	+1.4
14+00	3.8	+1.3	16+00	3.6	+1.5
	3.7	+1.4		3.4	+1.7
	3.6	+1.5		3.5	+1.6
	3.8	+1.3		3.7	+1.4
	3.9	+1.2		3.4	+1.7
50	4.0	+1.1	50	3.5	+1.6

N 110+00; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
	3.6	+1.5		3.7	+1.4
(5.1)	3.8	+1.3	(5.1)	3.5	+1.6
	4.2	+0.9		3.5	+1.6
	4.2	+0.9		3.4	+1.7
17+00	3.5	+1.6	19+00	3.5	+1.6
	3.3	+1.8		3.0	+2.1
	3.2	+1.9		3.0	+2.1
	3.1	+2.0		2.7	+2.4
	3.3	+1.8		2.5	+2.6
50	3.6	+1.5	50	2.0	+3.1
	3.8	+1.3		2.0	
	3.8		2.05	2.0	
	3.8			2.0	+3.1
	3.8	+1.3		1.8	+3.3
18+00	4.0	+1.1	20+00	1.9	+3.2
	4.0				
	4.0				
	4.0				
	4.0	+1.1			
50	3.8	+1.3			

(Contd MB93, Pg. 36)

N 112+00; 0+00 = W. 8, 000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	4.5	+0.4	(4.9)	4.5	+0.4
2:17	4.5		2+00	4.5	
4.5	4.5			4.5	
(4.9)	4.5			4.5	
	4.5			4.5	
50	4.5			4.5	
	4.5		50	4.5	
	4.5			4.5	
	4.5			4.5	
	4.5			4.5	
1+00	4.5			4.5	
	4.5		3+00	4.5	+0.4
	4.5			4.4	+0.5
	4.5			4.4	
	4.5			4.4	
50	4.5			4.4	
	4.5		50	4.4	
	4.5			4.4	+0.5
	4.5	+0.4		4.3	+0.6

N 112+00; SOUND EAST 8-9-56 (35)

Dist	Sound	Elev	Dist	Sound	Elev
	4.3	+0.6		3.8	+1.1
2:20	4.3		(4.9)	3.9	+1.0
4+00	4.3		6+00	3.9	+1.0
(4.9)	4.3			3.9	+1.0
	4.3			3.8	+1.1
	4.3			3.7	+1.2
	4.3	+0.6		3.5	+1.4
50	3.5	+1.4	50	3.5	+1.4
	4.0	+0.9		3.7	+1.2
	3.9	+1.0		3.7	+1.2
	3.9	+1.0		3.8	+1.1
	3.9	+1.0		3.8	
5+00	4.0	+0.9	7+00	3.7	
	4.0			3.8	
	4.0			3.8	
	4.0			3.8	
	4.0			3.8	
50	4.0		50	3.8	+1.1
	4.0			3.7	+1.2
	4.0	+0.9		3.7	+1.2

N. 112+00; SOUND EAST			8-9-56		
Dist	Sound	Elev	Dist	Sound	Elev
	3.6	+1.2		2.9	+1.9
(4.8)	3.5	+1.3	(4.8)	3.0	+1.8
8+00	3.5	+1.3	10+00	2.9	+1.9
	3.6	+1.2		2.5	+2.3
3.23	3.8	+1.0	225	2.6	+2.2
2	3.7	+1.1	2	2.5	+2.3
	3.5	+1.3		2.4	+2.4
50	3.5	+1.3	50	2.3	+2.5
	3.6	+1.2		2.2	+2.6
	3.6	+1.2		2.1	+2.7
	3.5	+1.3		2.0	+2.8
	3.5	+1.3		1.9	+2.9
9+00	3.3	+1.5	11+00	1.9	+2.9
	3.2	+1.6	(Contd MB90 P939)	1.8	+3.0
	3.1	+1.7	11+30	1.4	+3.4
	3.1	+1.7	SOUND WEST	0.5	+4.3
	3.1	+1.7	0+00		
	3.0	+1.8	2:33	4.0	+0.8
50	3.0	+1.8	(4.8)	4.1	+0.7
	3.0	+1.8		4.1	+0.7
	2.9	+1.9		4.2	+0.6

N. 112+00; SOUND WEST			(39)		
Dist	Sound	Elev	Dist	Sound	Elev
	4.3	+0.4	50	4.0	+0.7
(4.7)	4.3	+0.4	(4.7)	4.0	+0.7
	4.3	+0.4		4.1	+0.6
	4.2	+0.6		4.0	+0.7
	4.1	+0.7		3.9	+0.8
1+00	4.0	+0.7	3+00	3.7	1.0
2:35	4.1	+0.6		3.7	1.0
2	4.1	+0.6		5.0	0.3
	4.1	+0.6		5.0	0.3
	4.2	+0.5		4.0	+0.7
50	4.0	+0.7	50	4.0	+0.7
	4.1	+0.6		3.7	+1.0
	4.0	+0.7		4.0	+0.7
	4.1	+0.6		3.9	+0.8
	4.1	+0.6		4.0	+0.7
2+00	4.0	+0.7	4+00	4.0	+0.7
	4.0	+0.7		3.9	+0.8
	4.1	+0.6		3.7	+1.0
	4.0	+0.7		3.8	+0.9
	4.0	+0.7		3.7	+1.0

N. 112+00; SOUND WEST 8-9-56

Dist	Sound	Elev	Dist	Sound	Elev
50	3.7	+0.9	50	2.2	+2.4
(4.6)	3.7	+0.9	(4.6)	2.0	+2.6
	3.7	+0.9		2.0	+2.6
<u>2:37</u>	3.8	+0.8		2.0	+2.6
	3.6	+1.0		2.1	+2.5
5+00	3.5	+1.1	7+00	2.5	+2.3
	3.4	+1.2		2.1	+2.5
	3.3	+1.3	<u>2:40</u>	2.1	+2.5
	3.3	+1.3		2.1	+2.5
	3.2	+1.4		2.2	+2.4
50	3.1	+1.5	50	2.2	+2.4
	3.0	+1.6		2.2	+2.4
	2.9	+1.7		2.3	+2.3
	2.7	+1.9		2.3	+2.3
	2.7	+1.9		2.2	+2.4
6+00	2.6	+2.0	8+00	2.3	+2.3
	2.6	+2.0		2.3	+2.3
	2.6	+2.0		2.5	+2.1
	2.5	+2.1		2.6	+2.0
	2.3	+2.3		3.0	+1.6

N. 112+00; SOUND WEST ⁽¹⁰⁾

Dist	Sound	Elev	Dist	Sound	Elev
50	3.2	+1.4	50	3.2	+1.3
(4.6)	3.6	+1.0	<u>2:45</u>	3.1	+1.4
	4.0	+0.6		3.0	+1.5
	5.2	0.6	(4.3)	3.0	+1.5
	6.3	1.7		3.2	+1.3
9+00	7.1	2.5	11+00	3.0	+1.5
<u>2:43</u>	8.1	3.5		3.0	+1.5
	8.5	3.9		3.1	+1.4
	8.8	4.2		3.1	+1.4
	9.2	4.6		3.2	+1.3
50	9.8	5.2	50	3.2	+1.3
	9.8	5.2		3.3	+1.2
	8.5	3.9		3.2	+1.3
	7.0	2.4		3.1	+1.4
	5.5	0.9		3.1	+1.4
10+00	4.8	0.2	12+00	3.0	+1.5
	3.8	+0.8		3.1	+1.4
	3.7	+0.9		3.2	+1.3
	3.5	+1.1		3.2	+1.3
	3.4	+1.2		3.2	+1.3

N 112+00; SOUND WEST 8-9-56

DIST	SOUND	ELEV	DIST	SOUND	ELEV
50	3.1	+1.3	50	3.5	+0.9
(4.4)	3.2	+1.2	(4.4)	3.6	+0.8
	3.2			3.7	+0.7
<u>2.47</u>	3.2			3.7	+0.7
	3.2	+1.2		3.8	+0.6
13+00	3.3	+1.1	15+00	3.0	+1.4
	3.2	+1.2		3.9	+0.5
	3.2	+1.2		3.8	+0.6
	3.3	+1.1		3.7	+0.7
	3.2	+1.2		3.7	+0.7
50	3.2	+1.2	50	3.6	+0.8
	3.1	+1.3		3.5	+0.9
	3.0	+1.4		3.5	+0.9
	3.0	+1.4		3.6	+0.8
	3.1	+1.3		3.6	+0.8
14+00	3.1	+1.3	16+00	3.7	+0.7
	3.1	+1.3		3.6	+0.8
	3.2	+1.2		3.5	+0.9
	3.3	+1.1		3.5	+0.9
	3.4	+1.0		3.5	+0.9

N 112+00; SOUND WEST (4)

DIST	SOUND	ELEV	DIST	SOUND	ELEV
50	3.5	+0.9	50	3.8	+0.6
(4.4)	3.5		(4.4)	3.7	+0.7
	3.5			3.8	+0.6
	3.5			3.8	+0.6
	3.5			3.8	+0.6
17+00	3.5	+0.9	19+00	3.9	+0.5
	3.6	+0.8		3.9	+0.5
	3.6	+0.8		3.9	+0.5
<u>2.50</u>	3.5	+0.9		3.8	+0.6
	3.5	+0.9		3.7	+0.7
50	3.5	+0.9	50	3.4	+1.0
	3.6	+0.8		3.3	+1.1
	3.6	+0.8		3.2	+1.2
	3.5	+0.9	<u>2.52</u>	3.1	+1.3
	3.6	+0.8		3.0	+1.4
18+00	3.6	+0.8	20+00	2.9	+1.5
	3.7	+0.7	(Contd MB 93, Pg. 34)		
	3.8	+0.6			
	3.8	+0.6			
	3.8	+0.6			

8-10-56
N. 114+00; 0+00 = W. 8,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	2.5	+0.9	(3.4)	2.6	+0.8
(3.4)	2.7	+0.7	2+00	2.6	+0.8
<u>9:58</u>	2.7	+0.7		2.8	+0.6
<u> </u>	2.6	+0.8		2.7	+0.7
	2.5	+0.9		2.6	+0.8
50	2.6	+0.8		2.6	
	2.6	+0.8	50	2.6	
	2.5	+0.9		2.6	+0.8
	2.7	+0.7		2.7	+0.7
	2.6	+0.8	<u>1000</u>	2.6	+0.8
1+00	2.6	+0.8		2.6	
	2.6	+0.8	3+00	2.6	
	2.5	+0.9		2.6	+0.8
	2.5			2.7	+0.7
	2.5			2.6	+0.8
50	2.5	+0.9		2.5	+0.9
	2.6	+0.8	50	2.4	+1.0
	2.5	+0.9		2.7	+0.7
	2.5	+0.9		2.7	+0.7

N. 114+00; SOUND EAST
DIST SOUND Elev DIST SOUND Elev

	2.7	+0.7	(3.4)	2.2	+1.2
	2.6	+0.8	<u>1002</u>	2.2	+1.2
	2.6	+0.8	<u> </u>		
4+00	2.6	+0.8	6+00	2.3	+1.1
(3.4)	2.5	+0.9		2.2	+1.2
	2.4	+1.0		2.0	+1.4
	2.4	+1.0		2.0	+1.4
	2.4	+1.0		2.1	+1.3
50	2.6	+0.8	50	2.1	+1.3
	2.5	+0.9		2.0	+1.4
	2.5			2.0	+1.4
	2.5			2.1	+1.3
	2.5			2.0	+1.4
5+00	2.5		7+00	2.0	+1.4
	2.5	+0.9		1.8	+1.6
	2.4	+1.0		2.0	+1.4
	2.4	+1.0		2.0	+1.4
	2.2	+1.2		1.8	+1.6
50	2.3	+1.1	50	1.8	+1.6
	2.2	+1.2		2.0	+1.4
	2.0	+1.4		2.0	+1.4

N.114+00; SOUND EAST			8-10-56		
Dist	Sound	Elev	Dist	Sound	Elev
(3.5)	2.0	+1.5		1.4	+2.1
	2.0	+1.5	(3.5)	1.3	+2.2
8+00	1.8	+1.7	10+00	1.4	+2.1
	2.0	+1.5		1.1	+2.4
<u>10.04</u>	2.0	+1.5		1.2	+2.3
	1.8	+1.7		0.8	+2.7
	1.9	+1.6		0.8	+2.7
50	2.0	+1.5	50	0.9	+2.6
	1.8	+1.7		0.9	+2.6
	2.0	+1.5	<u>1007</u>	0.8	+2.7
	1.8	+1.7		0.8	+2.7
	1.6	+1.9		0.7	+2.8
9+00	1.7	+1.8	11+00	0.4	+3.1
	1.5	+2.0	(Cont'd MB 90, Pg. 39)		
	1.7	+1.8			
	1.5	+2.0			
	1.8	+1.7			
50	1.5	+2.0	50		
	1.5	+2.0			
	1.4	+2.1			

N.114+00; SOUND WEST			(43)		
Dist	Sound	Elev	Dist	Sound	Elev
0+00			2+00	3.0	+0.6
(3.6)	2.8	+0.8	(3.6)	3.0	+0.6
<u>10.13</u>	2.8	+0.8	<u>10.15</u>	2.9	+0.7
	2.9	+0.7		2.8	+0.6
	2.8	+0.8		2.8	+0.6
50	3.1	+0.5	50	2.9	+0.7
	3.0	+0.6		2.8	+0.8
	3.0	+0.6		2.8	
	3.0	+0.6		2.8	
	3.1	+0.5		2.8	
1+00	3.0	+0.6	3+00	2.8	+0.8
	3.0			2.9	+0.7
	3.0			2.9	+0.7
	3.0			2.8	+0.8
	3.0			2.8	
50	3.0		50	2.8	
	3.0			2.8	
	3.0			2.8	+0.8
	3.0			2.7	+0.9
	3.0	+0.6		2.7	+0.9

N. 114+00 - SOUND WEST 8-10-56

Dist	Sound	Elev	Dist	Sound	Elev
4+00	2.8	+0.8	6+00	1.0	+2.7
(3.6)	2.6	+1.0	(3.7)	1.0	
	2.4	+1.2		1.0	
	2.2	+1.4		1.0	
	2.0	+1.8		1.0	
50	2.0		50	1.0	+2.7
	2.0		<u>1020</u>	1.2	+2.5
	2.0	+1.6		1.2	
	1.8	+1.8		1.2	
	1.6	+2.0		1.2	
5+00	1.6	+2.0	7+00	1.2	+2.5
	1.6	+2.0		1.4	+2.3
	1.5	+2.1		1.3	+2.4
	1.4	+2.2		1.3	+2.4
	1.3	+2.3		1.3	+2.4
50	1.2	+2.4	50	1.4	+2.3
	1.2	+2.4		1.4	+2.3
<u>1018</u>	1.0	+2.6		1.4	+2.3
	1.0	+2.6		1.6	+2.1
	1.0	+2.6		1.6	+2.1

N. 114+00, SOUND WEST 8-10-56

Dist	Sound	Elev	Dist	Sound	Elev
8+00	1.6	+2.2	10+00	2.3	+1.5
(3.8)	1.6	+2.2	(3.8)	1.8	+2.0
	1.7	+2.1	1025	1.8	+2.0
	2.0	+1.8		1.6	+2.2
	3.0	+0.8		1.5	+2.3
50	4.0	0.2	50	1.5	+2.3
	5.0	1.2		1.6	+2.2
	5.7	1.9		1.6	+2.2
<u>1023</u>	6.0	2.2		1.5	+2.3
	6.5	2.7		1.7	+2.1
9+00	7.4	3.6	11+00	1.8	+2.0
	7.6	3.8		1.8	+2.0
	8.0	4.2		1.9	+1.9
	7.3	3.5		2.0	+1.8
	5.5	1.7		1.8	+2.0
50	4.5	0.7	50	2.0	+1.8
	3.3	+0.5		2.0	
	3.0	+0.8		2.0	
	3.1	+0.7		2.0	
	2.6	+1.2		2.0	+1.8

N. 114+00; SOUND WEST 8-10-56

Dist	Sound	Elev	Dist	Sound	Elev
12+00	2.0	+1.9	14+00	2.8	+1.1
(3.9)	2.1	+1.8	(3.9)	2.8	+1.1
<u>10:27</u>	2.3	+1.6		2.6	+1.3
<u>2</u>	2.4	+1.5		2.4	+1.5
	2.4	+1.5		2.4	+1.5
50	2.5	+1.4	50	2.4	+1.5
	2.5	+2.4		2.3	+1.6
	2.6	+2.3		2.6	+1.3
	2.8	+2.1		2.9	+1.0
	2.8	+2.1		3.2	+0.7
13+00	3.0	+0.9	15+00	3.5	+0.4
	2.8	+1.1		4.2	0.3
	2.6	+1.3	<u>10:30</u>	5.0	1.1
	2.5	+1.4	<u>2</u>	5.0	1.1
	2.5	+1.4		5.8	1.9
50	2.8	+1.1	50	6.7	2.8
	2.5	+1.4		6.8	2.9
	2.6	+1.3		5.8	1.9
	2.8	+1.1		4.8	0.9
	2.9	+1.0		3.7	+0.2

N. 114+00; SOUND WEST (45)

Dist	Sound	Elev	Dist	Sound	Elev
16+00	2.3	+1.6	18+00	3.0	+0.9
(3.9)	2.5	+1.4	(3.9)	2.8	+1.1
	2.5	+1.4		2.9	+1.0
	2.3	+1.6	<u>10:32</u>	2.9	+1.0
	2.7	+1.2	<u>2</u>	3.0	+0.9
50	2.6	+1.3	50	3.0	+0.9
	2.7	+1.2		3.1	+0.8
	2.8	+1.1		3.2	+0.7
	2.8	+1.1		3.2	+0.7
	2.9	+1.0		3.1	+0.8
17+00	2.8	+1.1	19+00	3.2	+0.7
	2.8	+1.1		3.2	+0.7
	2.8	+1.1		3.2	+0.7
	2.9	+1.0		3.1	+0.8
	2.8	+1.1		3.1	+0.8
50	2.9	+1.0	50	3.0	+0.9
	2.9	+1.0		3.0	+0.9
	2.8	+1.1		3.0	+0.9
	2.8	+1.1	<u>10:33</u>	2.9	+1.0
	2.8	+1.1	<u>2</u>	2.8	+1.1
				2.8	+1.1

(Cont'd MB 93, Pg. 31)

→ 20+00

8-10-56 (Plotted Roll 18)
 N. 116+00; 0+00 = W. 8,000; SOUND EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	4.2	0.0	(4.2)	4.0	+0.2
10.45	3.7	+0.5	2+00	4.0	
(4.2)	3.7	+0.5		4.0	
	3.7	+0.5		4.0	+0.2
	3.8	+0.4		4.1	+0.1
50	3.8			4.3	0.1
	3.8		50	4.4	0.2
	3.8	+0.4		4.0	+0.2
	3.9	+0.3		4.0	
	3.9	+0.3		4.0	
1+00	3.9	+0.3		4.0	
	3.8	+0.4	3+00	4.0	
	3.9	+0.3		4.0	
	3.9	+0.3		4.0	
	4.0	+0.2		4.0	+0.2
50	4.0			3.9	+0.3
	4.0		50	3.9	+0.3
	4.0			4.0	+0.2
	4.0	+0.2		4.0	+0.2

N. 116+00; SOUND EAST Plotted Roll 18 (46)

DIST	SOUND	ELEV	DIST	SOUND	ELEV
	3.9	+0.4	(A3)	3.8	+0.5
(4.3)	3.9	+0.4	10.50	3.7	+0.6
1+00	3.9	+0.2	6+00	3.8	+0.5
10.48	4.0	+0.3		3.7	+0.6
	4.1	+0.2		3.7	
	4.1	+0.2		3.7	
	4.0	+0.3		3.7	
50	4.0	+0.3	50	3.7	
	4.0	+0.3		3.7	+0.6
	4.1	+0.2		3.6	+0.7
	4.0	+0.3		3.6	+0.7
	4.0	+0.3		3.5	+0.8
5+00	3.9	+0.4	7+00	3.5	+0.8
	3.9	+0.4		3.5	+0.8
	3.9	+0.4		3.4	+0.9
	4.0	+0.3		3.3	+1.0
	3.9	+0.4		3.2	+1.1
50	3.9	+0.4	50	3.3	+1.0
	3.8	+0.5		3.3	+1.0
	3.8	+0.5		3.4	+0.9

N 116+00; SOUND EAST 8-10-56

Dist	Sound	Elev	Dist	Sound	Elev
(4.3)	3.2	+1.1	(4.4)	2.8	+1.6
	3.2	+1.1		2.8	+1.6
8+00	3.2	+1.1	10+00	2.7	+1.7
Plotted Rolls	3.1	+1.2		2.7	+1.7
	3.1			2.6	+1.8
	3.1			2.6	+1.8
	3.1	+1.2		2.4	+2.0
	50	3.0	+1.3	50	2.3
	3.0			2.2	+2.2
10:52	3.0			2.0	+2.4
	3.0	+1.3		1.9	+2.6
	2.9	+1.4		1.9	
9+00	3.0	+1.3	11+00	1.9	
	2.9	+1.4		1.9	
	3.0	+1.3	<u>10:55</u>	1.9	
	3.0			1.8	+2.6
	3.0			1.7	+2.7
50	3.0	+1.3	50	1.7	+2.7
	2.9	+1.4		1.6	+2.8
	2.9	+1.4		1.5	+2.9
	2.9	+1.4		1.4	+3.0
(Cont'd NB 90, Pg. 39)				1.3	+3.1
			12+00	1.0	+3.4

N 116+00; SOUND WEST 87

Dist	Sound	Elev	Dist	Sound	Elev
0+00			2+00	3.9	+0.7
11:02	4.0	+0.5	(4.6)	3.9	
	4.0			3.9	
(4.5)	4.0			3.9	
	4.0			3.9	
50	4.0		50	3.9	+0.7
	4.0			3.8	+0.8
	4.0			3.8	
	4.0			3.8	
	4.0			3.8	
1+00	4.0		3+00	3.8	
	4.0			3.8	+0.8
	4.0			3.7	+0.9
	4.0		11:05	3.6	+1.0
	4.0			3.6	+1.0
50	4.0	+0.5	50	3.4	+1.2
	3.9	+0.6		3.4	
	3.9			3.4	
	3.9			3.4	+1.2
	3.9	+0.6		3.2	+1.4

N. 116+00; SOUND WEST 8-10-56
 DIST SOUND Elev DIST SOUND Elev

4+00	3.1	+1.5	6+00	2.9	+1.8
(4.6)	3.0	+1.6	11.07	2.9	
	3.0	+1.6	<u>2.9</u>	2.9	
	3.0	+1.6	(4.7)	2.9	
	2.9	+1.7	2.9		
50	2.9		50	2.9	+1.8
	2.9			3.0	+1.7
	2.9			3.0	+1.7
	2.9			3.0	+1.7
	2.9			3.2	+1.5
5+00	2.9		7+00	3.4	+1.3
	2.9			3.6	+1.1
	2.9	+1.7		4.1	+0.6
	2.8	+1.8		4.3	+0.4
	2.8			4.6	+0.1
50	2.8		50	5.0	0.3
	2.8			5.1	0.4
	2.8			5.3	0.6
	2.8			5.7	1.0
	2.8	+1.8		6.4	1.7

N. 116+00; SOUND WEST
 DIST SOUND Elev DIST SOUND Elev

8+00	7.0	2.3	10+00	2.6	+2.1
(4.7)	7.6	2.9	(4.7)	2.6	+2.1
	8.0	3.3		2.5	+2.2
	8.1	3.4	11+00	2.6	+2.1
	8.0	3.3	<u>2.7</u>	2.7	+2.0
50	7.3	2.6	50	2.9	+1.8
	5.8	1.1		2.9	
	5.0	0.3		2.9	
	3.4	+1.3		2.9	
	2.8	+1.9		2.9	+1.8
7+00	2.5	+2.2	11+00	3.0	+1.7
	2.6	+2.1		3.0	
	2.6			3.0	
	2.6			3.0	
	2.6	+2.1		3.0	
50	2.7	+2.0	50	3.0	
	2.7			3.0	
	2.7			3.0	
	2.7	+2.0		3.0	+1.7
	2.6	+2.1		3.1	+1.6

N. 116+00; SOUND WEST 8-10-56

Dist	Sound	Elev	Dist	Sound	Elev	
12+00	3.2	+1.6	14+00	3.2	+1.6	
(4.8)	3.2	}	(4.0)	3.3	+1.5	
	3.2				3.4	+1.4
	3.2	+1.6		4.0	+0.8	
	3.3	+1.5		4.5	+0.3	
50	3.3	}	50	4.3	+0.5	
	3.3				3.7	+1.1
	3.3				3.4	+1.4
	3.3				3.2	+1.6
	3.3	+1.5		3.1	+1.7	
13+00	3.4	+1.4	15+00	3.2	+1.6	
	3.4	+1.4		3.2	}	
	3.3	+1.5		3.2		
	3.2	+1.6		3.2	+1.6	
11.13	3.2	+1.6		3.3	+1.5	
50	3.1	+1.7	50	4.0	+0.8	
	3.1	}		4.3	+0.5	
	3.1				4.7	+0.1
	3.1				4.7	+0.1
	3.1		+1.7		4.3	+0.5

N. 116+00; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
16+00	4.0	+0.8	18+00	3.4	+1.5
11.15	3.8	+1.0	(4.0)	3.7	+1.2
	3.4	+1.4		3.9	+1.0
(4.0)	3.2	+1.6		4.0	+0.9
	3.2	+1.6		4.0	}
50	3.3	+1.5	50	4.0	
	3.3	+1.5		4.0	+0.9
	3.3	+1.5		4.3	+0.6
	3.6	+1.2		4.2	+0.7
	4.5	+0.3		4.1	+0.8
17+00	5.3	0.5	19+00	4.2	+0.7
	6.0	1.2		4.3	+0.6
	6.6	1.8		4.5	+0.4
	7.2	2.4	11.18	4.7	+0.2
	6.2	1.4		4.5	+0.4
50	5.0	0.2	50	4.2	+0.7
	3.8	+1.0		4.1	+0.8
	3.3	+1.5		4.0	+0.9
	3.2	+1.6		4.0	+0.9
	3.3	+1.5		3.8	+1.1
	3.3	+1.5		3.9	+1.0

(cont'd NB 93, pg. 29) → 20+00

8-10-56 (Plotted Roll 18)
 N. 118+00; 0+00 = W. 8,000; SOUND EAST

Dist	Sound	Elev.	Dist	Sound	Elev.
0+00	4.4	+0.6	(5.0)	4.7	+0.3
11:32	4.3	+0.7	2+00	4.8	+0.2
(5.0)	4.5	+0.5		4.6	+0.4
	4.5	+0.5		4.8	+0.2
	4.7	+0.3		4.8	
50	4.6	+0.4		4.8	
	4.7	+0.3	50	4.8	+0.2
	4.8	+0.2		4.7	+0.3
	4.7	+0.3		4.8	+0.2
	4.8	+0.2		4.8	+0.2
1+00	4.8	+0.2		4.7	+0.3
	4.7	+0.3	3+00	4.8	+0.2
	4.8	+0.2		4.8	+0.2
	4.8	+0.2		4.8	+0.2
	4.8	+0.2		4.7	+0.3
50	4.7	+0.3		4.7	+0.3
	4.8	+0.2	50	4.8	+0.2
	4.7	+0.3		4.8	+0.2
	4.8	+0.2		4.8	+0.2

N. 118+00; SOUND EAST (Plotted Roll 18) ②
 Dist Sound Elev. Dist Sound Elev.

Dist	Sound	Elev.	Dist	Sound	Elev.
(5.1)	4.8	+0.3	(5.1)	4.6	+0.5
11:35	4.8			4.6	+0.5
1+00	4.8		6+00	4.6	+0.5
	4.8			4.8	+0.3
	4.8			4.6	+0.5
	4.8	+0.3		4.5	+0.6
	4.7	+0.4		4.6	+0.5
50	4.8	+0.3	50	4.4	+0.7
	4.8	+0.3		4.3	+0.8
	4.9	+0.2		4.2	+0.9
	4.8	+0.3		4.5	+0.6
	4.7	+0.4		4.4	+0.7
	4.7	+0.4	5+00	4.7	+0.4
	4.6	+0.5	7+00	4.0	+1.1
	4.7	+0.4		4.2	+0.9
	4.8	+0.3		4.1	+1.0
	4.8	+0.3		4.2	+0.9
	4.8	+0.3		4.0	+1.1
50	4.8	+0.3	50	4.8	+0.3
	4.6	+0.5		4.0	
	4.8	+0.3		4.0	+1.1

N. 1/8 +00; SOUND			EAST 8-10-56		
Dist	Sound	Elev	Dist	Sound	Elev
(5.1)	4.1	+1.0	(5.1)	3.8	+1.3
11:37	4.0	+1.1		3.8	+1.3
8+00	4.2	+0.9	10+00	3.3	+1.6
	4.0	+1.1		3.5	+1.6
(Plotted Roll 18)	4.0	+1.1		3.5	+1.6
	3.7	+1.4		3.6	+1.5
	3.8	+1.3		3.6	+1.5
50	4.0	+1.1	50	3.3	+1.8
	4.0	+1.1		3.2	+1.9
	4.0	+1.1	11:20	3.2	+1.9
	3.9	+1.2		3.1	+2.0
	3.8	+1.3		3.0	+2.1
9+00	3.9	+1.2	11+00	3.0	
	3.9	+1.2		3.0	
	4.0	+1.1		3.0	+2.1
	3.9	+1.2		2.8	+2.3
	3.8	+1.3		3.0	+2.1
50	3.8	+1.3	50	3.0	+2.1
	3.6	+1.5		2.8	+2.3
	3.5	+1.6		2.7	+2.4

N. 1/8 +00; EAST			(Plotted Roll 18)		
Dist	Sound	Elev	Dist	Sound	Elev
(5.2)	2.8	+2.4	(5.3)	4.7	+0.6
	2.6	+2.6		4.6	+0.7
12+00	2.5	+2.7		4.6	
	2.5			4.6	
	2.5		50	4.6	+0.7
	2.5	+2.7		4.4	+0.9
	2.0	+3.2		4.2	+1.1
50	1.1	+4.1		4.0	+1.3
	(cont'd NB 90, Pg 20)				
12+00	0.0	+5.2		4.2	+1.1
SOUND WEST			(Plotted Roll 18)	4.1	+1.2
1+00			2+00		
11:47	4.8	+0.5		4.1	+1.2
	4.8			4.0	+1.3
(5.3)	4.8			3.8	+1.5
	4.8			3.8	+1.5
50	4.8	+0.5	50	3.9	+1.4
	0.7	+0.6		3.8	+1.5
	4.7	+0.6		3.7	+1.6
	4.8	+0.5	11:50	3.6	+1.7
	4.8	+0.5		3.8	+1.5
1+00	4.8	+0.5	3+00	3.6	+1.7

N. 118+00; SOUND WEST 8-10-56

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(5.3)	3.5	+1.8	(5.3)	3.6	+1.7
	3.4	+1.9	11.52	3.6	+1.7
Plotted Roll 18	3.5	+1.8		3.6	+1.7
	3.6	+1.7		4.0	+1.3
50	3.7	+1.6	50	5.0	+0.3
	3.5	+1.8		6.5	1.2
	3.4	+1.9		7.0	1.7
	3.5	+1.8		7.0	
	3.5	+1.8		7.0	
4+00	3.6	+1.7	6+00	7.0	1.7
	3.2	+2.1		6.8	1.5
	3.2	+2.1		6.8	1.5
	3.2	+2.1		7.0	1.7
	3.3	+2.0		7.0	1.7
50	3.3	+2.0	50	7.2	1.9
	3.4	+1.9		7.5	2.2
	3.2	+2.1		7.8	2.5
	3.5	+1.8		7.5	2.2
	3.4	+1.9		7.0	1.7
5+00	3.4	+1.9	7+00	5.3	0.2

N. 118+00; SOUND WEST (Plotted Roll 18) 52

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(5.4)	4.5	+0.9	(5.4)	3.8	+1.6
	3.2	+2.2		4.0	+1.4
	3.3	+2.1		4.0	
	3.4	+2.0		4.0	
50	3.5	+1.9	50	4.0	
	3.6	+1.8		4.0	+1.4
	3.5	+1.9		4.1	+1.3
	3.5			4.2	+1.2
	3.5			4.3	+1.1
8+00	3.5	+1.9	10+00	4.5	+0.9
	3.6	+1.8		4.4	+1.0
	3.8	+1.6		4.6	+0.8
11.55	3.7	+1.7		4.6	
	3.6	+1.8		4.6	
50	3.8	+1.6	50	4.6	
	3.8	+1.6		4.6	+0.8
	3.8	+1.6		4.8	+0.6
	3.9	+1.5		4.8	+0.6
	4.0	+1.4		4.7	+0.7
9+00	3.9	+1.5	11+00	4.8	+0.6

N. 118+00; SOUND WEST			8-10-56		
Dist	Sound	Elev	Dist	Sound	Elev
(55)	4.8	+0.7	(55)	4.7	+0.8
<u>1157</u>	4.8	+0.7		4.8	+0.7
	4.8	+0.7		4.8	+0.7
Plotted	4.7	+0.8		4.8	+0.7
Roll 18	4.9	+0.6	50	5.0	+0.5
50	4.8	+0.7		4.7	+0.8
	4.7	+0.8		4.7	+0.8
	4.8	+0.7		4.6	+0.9
	4.8	+0.7		4.7	+0.8
12+00	4.9	+0.6	14+00	4.8	+0.7
	4.8	+0.7		4.6	+0.9
	4.8 5.0	+0.5		4.7	+0.8
	5.0	+0.5		4.7	+0.8
	5.0	+0.5		4.8	+0.7
50	4.8	+0.7	50	4.8	+0.7
	4.9	+0.6		4.8	+0.7
	4.8	+0.7		4.9	+0.6
	4.5	+1.0		4.7	+0.8
	4.6	+0.9		4.9	+0.6
13+00	4.6	+0.9	15+00	4.9	+0.6

N. 118+00; SOUND WEST			Plotted Roll (18) (53)		
Dist	Sound	Elev	Dist	Sound	Elev
(55)	4.9	+0.6	(55)	4.5	+1.0
	5.0	+0.5		4.2	+1.3
1200	5.0	+0.5		4.2	+1.3
	4.6	+0.9		4.2	+1.3
50	4.6	+0.9	50	4.1	+1.4
	4.6	+0.9		4.1	+1.4
	4.5	+1.0		3.9	+1.6
	4.4	+1.1		4.2	+1.3
	4.3	+1.2		5.0	+0.5
16+00	4.2	+1.3	18+00	5.1	+0.4
	4.2			6.0	0.5
	4.2			6.5	1.0
	4.2	+1.3	1203	7.0	1.5
	4.5	+1.0		7.0	1.5
50	5.0	+0.5	50	6.2	0.7
	5.5	0.0		5.5	0.0
	5.3	0.2		4.5	+1.0
	4.8	+0.7		4.3	+1.2
	4.7	+0.8		4.3	+1.2
	4.7	+0.8		4.3	+1.2
17+00	4.5	+1.0	19+00	4.5	+1.0

N. 118+00; SOUND WEST 8-10-56

DIST SOUND ELEV (Plotted Roll 18)

DIST	SOUND	ELEV
(5.5)	5.0	+0.5
	5.0	
	5.0	
	5.0	
50	5.0	+0.5
1205	4.9	+0.6
	4.8	+0.7
	4.7	+0.8
	4.5	+1.0
20+00	4.2	+1.3

(Cont'd in MB 93, Pg 26)

8-10-56 (Plotted Roll 23) 59

N. 124+00; 0+00 = W. B. 000; SOUND EAST

DIST	SOUND	ELEV	DIST	SOUND	ELEV
0+00	4.7	+1.3	(6.0)	5.4	+0.6
(6.0)	4.7	+1.3	2+00	5.4	+0.6
1105	4.8	+1.2		5.7	+0.3
	5.0	+1.0		5.6	+0.4
	4.9	+1.1		5.6	
50	5.0	+1.0		5.6	
	5.0		50	5.6	
	5.0			5.6	+0.4
	5.0	+1.0		5.7	+0.3
	5.1	+0.9		5.7	+0.3
1+00	5.3	+0.7		6.0	0.0
	5.3	+0.7	3+00	6.0	0.0
	5.3	+0.7		6.1	0.1
	5.4	+0.6		5.8	+0.0
	5.5	+0.5		6.1	0.1
50	5.5	+0.5		6.3	0.3
	5.6	+0.4	50	6.2	0.2
	5.5	+0.5		6.0	0.0
	5.3	+0.7		6.1	0.1

N. 124+00; SOUND EAST 8-10-56

DIST	Sound	Elev	DIST	Sound	Elev
(6.0)	6.1	0.1	(6.0)	6.2	0.2
(Plotted Roll 23)	6.1	0.1		6.2	0.2
4+00	6.2	0.2	6+00	6.4	0.4
	6.2	0.3		6.3	0.3
	6.3	0.3		6.5	0.5
<u>110</u>	6.4	0.4		6.4	0.4
<u>50</u>	6.4	0.4		6.3	0.3
	6.4	0.4	50	6.5	0.5
	6.3	0.3		6.3	0.3
	6.3	0.3		6.7	0.7
	6.5	0.5		6.5	0.5
	6.5	0.5		6.0	0.0
5+00	6.5	0.5	7+00	6.2	0.2
	6.3	0.3		6.0	0.0
	6.2	0.2		6.2	0.2
	6.1	0.1		6.0	0.0
	6.1	0.1		6.0	0.0
50	6.1	0.1	50	5.8	+0.2
	6.2	0.2		5.9	+0.1
	6.1	0.1		5.8	+0.2

N. 124+00; SOUND EAST (Plotted Roll 23) (53)

DIST	Sound	Elev	DIST	Sound	Elev
(6.0)	6.0	0.0	(6.0)	4.9	+1.1
	5.9	+0.1		4.8	+1.2
8+00	5.9	+0.1	10+00	4.7	+1.3
	5.8	+0.2		4.8	+1.2
<u>113</u>	5.8	+0.2	<u>115</u>	4.8	+1.2
<u>50</u>	5.8	+0.2	<u>50</u>	4.8	+1.2
	5.6	+0.4		4.7	+1.3
50	5.3	+0.7	50	4.8	+1.2
	5.5	+0.5		4.9	+1.1
	5.5	+0.5		4.8	+1.2
	5.0	+1.0		4.7	+1.3
	5.2	+0.8		4.3	+1.7
9+00	5.3	+0.7	11+00	4.4	+1.6
	5.2	+0.8		4.3	+1.7
	5.1	+0.9		4.4	+1.6
	5.0	+1.0		4.0	+2.0
	5.0			4.1	+1.9
50	5.0		50	4.0	+2.0
	5.0			4.0	+2.0
	5.0	+1.0		3.7	+2.3

N. 124+00; 8-10-56			N. 124+00; SOUND WEST			N. 124+00; SOUND WEST ⁽⁵⁸⁾		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
(6.0)	4.0	+2.0	SOUND WEST			(6.0)	4.5	+1.5
	4.0	+2.0	0+00	Plotted Roll		2+00	4.5	
12+00	3.7	+2.3	1.27	4.6	+1.4		4.5	
	3.9	+2.1		4.7	+1.3		4.5	
<u>117</u>	3.7	+2.3	(6.0)	4.7	+1.3		4.5	
	3.8	+2.2		4.7	+1.3		4.5	
	3.7	+2.3	50	4.6	+1.4	50	4.5	+1.5
50	3.7	+2.3		4.7	+1.3		4.6	+1.4
	3.5	+2.5		4.7			4.6	+1.4
	3.5	+2.5		4.7			4.7	+1.3
	3.3	+2.7		4.7	+1.3		4.7	+1.3
	3.2	+2.8	1+00	4.5	+1.5	3+00	4.8	+1.2
13+00	3.1	+2.9		4.3	+1.7		5.0	+1.0
	3.1	+2.9		4.2	+1.8	<u>1.50</u>	5.3	+0.7
	3.1	+2.9		4.2	+1.8		6.8	0.8
	3.3	+2.7		4.3	+1.7		8.2	2.2
	3.0	+3.0	50	4.5	+1.5	50	8.4	2.4
50	3.2	+2.8		4.6	+1.4		8.3	2.3
	3.0	+3.0		4.5	+1.5		7.3	1.3
	2.8	+3.2		4.5	+1.5		6.8	0.8
	2.7	+3.3		4.5	+1.5			
13+96	1.0	+5.0						

C Cont'd NB 90, P 9 A1

Plotted Roll 23

N. 124+00; SOUND WEST			8-10-56			N. 124+00; SOUND WEST			(57)		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
(6.0)	5.4	+0.4	(6.0)	5.8	+0.2	(6.0)	5.6	+0.4	(6.0)	5.2	+0.8
6+00	5.4	+0.4	8+00	5.7	+0.3	10+00	5.5	+0.5	12+00	5.3	+0.7
<u>1.33</u>	5.3	+0.7	<u>1.35</u>	5.7	+0.3		5.4	+0.6	<u>1.37</u>	5.4	+0.6
	5.3	+0.7		5.7	+0.3		5.3	+0.7		5.3	+0.7
	5.2	+0.8		5.8	+0.2		5.2	+0.8		5.3	+0.7
	5.1	+0.9		5.9	+0.1		5.2	+0.8		5.2	+0.8
50	5.2	+0.8	50	5.9	+0.1	50	5.3	+0.7	50	5.2	
	5.3	+0.7		5.9	+0.1		5.2	+0.8		5.2	
	5.3	+0.7		5.8	+0.2		5.2	+0.8		5.2	+0.8
	5.3			5.8	+0.2		5.3	+0.7		5.3	+0.7
	5.3			5.7	+0.3		5.2	+0.8		5.4	+0.6
7+00	5.3		9+00	5.6	+0.4	11+00	5.2	+0.8	13+00	5.5	+0.5
	5.3			5.7	+0.3		5.1	+0.9		5.6	+0.4
	5.3	+0.7		5.7	+0.3		5.1	+0.9		5.8	+0.2
	5.4	+0.6		5.7	+0.3		5.1	+0.9		5.9	+0.1
	5.5	+0.5		5.8	+0.2		5.2	+0.8		5.9	+0.1
50	5.6	+0.4	50	5.8	+0.2	50	5.3	+0.7	50	5.9	+0.1
	5.6	+0.4		5.7	+0.3		5.2	+0.8		6.0	0.0
	5.7	+0.3		5.7	+0.3		5.2	+0.8		6.1	0.1
	5.7	+0.3		5.7	+0.3		5.2	+0.8		6.3	0.3

N. 124+00; SOUND WEST 8-10-56
 DIST SOUND Elev DIST SOUND Elev

(5.9)	6.2	0.3	(5.9)	5.8	+0.1
14+00	6.3	0.4	16+00	5.7	+0.2
<u>1.40</u>	6.2	0.3		5.7	
	6.1	0.2		5.7	
	6.2	0.3		5.7	
	6.3	0.3		5.7	
50	6.4	0.5	50	5.7	
	6.4	0.5		5.7	+0.2
	6.5	0.6		5.8	+0.1
	6.7	0.8	<u>1.42</u>	5.8	
	6.8	0.9		5.8	
15+00	6.8	0.9	17+00	5.8	+0.1
	6.7	0.8		5.9	0.0
	6.6	0.7		5.8	+0.1
	6.6	0.7		5.8	+0.1
	6.5	0.6		5.6	+0.3
50	6.5	0.6	50	5.4	+0.5
	6.4	0.5		5.3	+0.6
	6.2	0.3		5.3	+0.6
	6.0	0.1		5.3	+0.6

N. 124+00; SOUND WEST (58)
 DIST SOUND Elev DIST SOUND Elev

(5.9)	5.2	+0.7	<u>1.45</u>	5.7	+0.2
18+00	5.2		20+00	5.6	+0.3
	5.2		(cont'd MB93, Pg 19)		
	5.2	+0.7			
	5.3	+0.6			
	5.3	+0.6			
50	5.5	+0.4			
	5.7	+0.2			
	5.8	+0.1			
	6.0	0.1			
	5.9	0.0			
19+00	5.9	0.0			
	5.8	+0.1			
	5.8	+0.1			
	5.9	0.0			
	5.8	+0.1			
50	5.8	+0.1			
	5.8	+0.1			
	5.7	+0.2			
	5.6	+0.3			

8-10-56 (Plotted Roll 20)
 N. 126+00; 0+00 = W. 8.000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00	4.5	+1.3	(5.8)	5.0	+0.8
<u>11.55</u>	4.5	+1.3	2+00	5.0	+0.8
<u>2</u>	4.4	+1.4		5.1	+0.7
(5.8)	4.4	+1.4		5.0	+0.8
	4.5	+1.3		5.0	+0.8
5.0	4.5	+1.3		5.1	+0.7
	4.5	+1.3	5.0	5.0	+0.8
	4.7	+1.1		5.2	+0.6
	4.8	+1.0		5.3	+0.5
	4.8	+1.0		5.3	+0.5
1+00	4.8	+1.0		5.2	+0.6
	4.7	+1.1	3+00	5.3	+0.5
	4.8	+1.0		5.4	+0.4
	4.9	+0.9		5.6	+0.2
	4.9			5.7	+0.1
5.0	4.9			5.7	+0.1
	4.9		5.0	5.8	+0.0
	4.9	+0.9		5.7	+0.1
	5.0	+0.8		5.8	+0.0

N. 126+00; SOUND EAST (Plotted Roll 21)

Dist	Sound	Elev	Dist	Sound	Elev
(5.7)	6.0	0.3	(5.7)	6.0	0.3
	5.8	0.1		6.0	
4+00	6.0	0.3	6+00	6.0	
	6.0	0.3		6.0	
	6.0	0.3		6.0	0.3
	6.3	0.6		6.1	0.4
	6.0	0.3		5.6	+0.1
5.0	6.0	0.3	5.0	5.6	+0.1
	6.5	0.8		6.0	0.3
	6.2	0.5		5.8	0.1
	6.0	0.3		5.7	0.0
	6.0			6.0	0.3
5+00	6.0		7+00	5.8	0.1
	6.0	0.3		5.7	0.0
2+00	5.8	0.1		5.6	+0.1
<u>2</u>	5.8	0.1		5.7	0.0
	5.8	0.1		5.7	0.0
5.0	6.0	0.3	5.0	6.0	0.3
	6.0	0.3		5.7	0.0
	6.0	0.3		5.8	0.1

N. 126+00; SOUND EAST 8-10-56			N. 126+00; EAST (Plotted Roll 23)		
Dist	Sound	Elev	Dist	Sound	Elev
(5.7)	5.4	+0.3	(5.7)	4.8	+0.9
(Plotted Roll 23)	5.5	+0.2		4.8	+0.9
8+00	5.0	+0.7	10+00	4.8	+0.9
	5.1	+0.6		4.7	+1.0
	5.1	+0.6		4.7	+1.0
	5.2	+0.5		4.0	+1.7
	5.0	+0.7		4.2	+1.5
50	5.2	+0.5	50	4.0	+1.7
	5.0	+0.7		4.1	+1.6
	5.0	+0.7		4.1	+1.6
203	5.0	+0.7		4.2	+1.5
<u>203</u>	5.1	+0.6		4.0	+1.7
9+00	5.0	+0.7	11+00	4.0	+1.7
	4.9	+0.8		3.9	+1.8
	4.8	+0.9		4.0	+1.7
	4.7	+1.0		3.9	+1.8
	4.9	+0.8		4.0	+1.7
50	5.0	+0.7	50	4.0	+1.7
	4.7	+1.0		3.5	+2.2
	4.8	+0.9		3.5	+2.2

N. 126+00; EAST (Plotted Roll 23)			SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev
(5.7)	3.6	+2.1	0+00	(Plotted Roll 23)	
	3.6	+2.1			
12+00	3.5	+2.2	217	4.1	+1.4
	3.4	+2.3	<u>217</u>	4.0	+1.5
	3.5	+2.2	(5.5)	4.1	+1.4
	3.5	+2.2		4.0	+1.5
<u>205</u>	3.4	+2.3	50	4.0	
50	3.2	+2.5		4.0	
	3.2	+2.5		4.0	
	3.1	+2.6		4.0	
	3.2	+2.5		4.0	+1.5
	3.2	+2.5	1+00	4.1	+1.4
13+00	3.2	+2.5		4.0	+1.5
	2.8	+2.9		4.0	
	3.0	+2.7		4.0	
	2.8	+2.9		4.0	
	3.0	+2.7		4.0	
50	2.9	+2.8		4.0	
	2.5	+3.2		4.0	
	2.8	+2.9	50	4.0	
	2.3	+3.4		4.0	
	2.4	+3.3		4.0	
14+00	2.5	+3.2		4.0	
	2.5	+3.2		4.0	
	2.3	+3.2		4.0	
14430	1.1	+4.6		4.0	+1.5
(Cont'd NB 96, Pg 41)					

N. 126+00; SOUND WEST 8-10-56			N. 126+00; SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev
(5.3)	4.0	+1.5	(5.5)	8.0	2.5
2+00	4.0	+1.5	4+00	7.3	1.8
Plotted Roll 23	4.1	+1.4		6.6	1.1
	4.1	+1.4		6.2	0.7
	4.0	+1.5	<u>2:20</u>	5.7	0.2
	<u>2:18</u>	4.0		5.0	+0.5
50	4.0	+1.3	50	4.8	+0.7
	4.1	+1.4		4.8	+0.7
	4.0	+1.5		4.7	+0.8
	4.0	+1.5		4.8	+0.7
	4.1	+1.4		4.7	+0.8
3+00	4.1	+1.4	5+00	4.8	+0.7
	4.2	+1.3		4.7	+0.8
	4.6	+0.9		4.9	+0.6
	4.7	+0.8		4.9	+0.6
	5.0	+0.5		4.8	+0.7
50	5.3	+0.2	50	5.0	+0.5
	7.0	1.5		5.0	+0.5
	8.0	2.5		5.1	+0.4
	8.2	2.7		5.2	+0.3

N. 126+00; SOUND WEST			Plotted Roll 23 (6)		
Dist	Sound	Elev	Dist	Sound	Elev
(5.5)	5.0	+0.5	(5.4)	5.5	0.1
6+00	5.0	+0.5	8+00	5.5	0.1
	5.1	+0.4	<u>2:23</u>	5.5	0.1
	5.2	+0.3	<u>2</u>	5.8	0.4
	5.5	0.0		5.8	0.4
	5.5	0.0		5.7	0.3
50	5.3	+0.2	50	5.8	0.4
	5.4	+0.1		5.6	0.2
	5.2	+0.3		5.5	0.1
	5.3	+0.2		5.7	0.3
	5.3	+0.2		5.6	0.2
7+00	5.3	+0.2	9+00	5.6	0.2
	5.4	+0.1		5.6	0.2
	5.3	+0.2		5.7	0.3
	5.6	0.1		5.7	0.3
	6.0	0.5		5.8	0.4
50	6.0	0.5	50	5.9	0.4
	6.0	0.5		5.8	0.4
	5.8	0.4		5.7	0.3
	5.4	+0.1		5.8	0.4

N. 126+00; SOUND WEST 8-10-56

Dist Sound Elev Dist Sound Elev

(5.4)	5.9	0.5	(5.4)	5.8	0.4
10+00	5.9	0.5	12+00	5.8	
Plotted Roll 23	5.8	0.4		5.8	
2:25	5.9	0.5		5.8	0.4
	5.8	0.4		5.7	0.3
	6.0	0.6		5.8	0.4
50	6.0		50	5.8	0.4
	6.0			6.0	0.6
	6.0			5.8	0.4
	6.0			5.8	0.4
	6.0			5.7	0.3
11+00	6.0	0.6	13+00	5.8	0.4
	5.8	0.4		5.8	0.4
	5.7	0.3		5.8	0.4
	5.7	0.3		5.7	0.3
	5.9	0.5		5.9	0.5
50	6.0	0.6	50	5.8	0.4
	6.0			5.8	
	6.0			5.8	
	6.0	0.6		5.8	0.4

N. 126+00; SOUND WEST (Plotted Roll 23)

Dist Sound Elev Dist Sound Elev

(5.4)	6.0	0.6	(5.4)	5.6	0.2
14+00	6.0		16+00	5.8	0.4
	6.0			6.0	0.6
2:28	6.0			5.8	0.4
	6.0			5.8	0.4
	6.0			5.7	0.3
50	6.0		50	5.6	0.2
	6.0			5.5	0.1
	6.0			5.4	0.0
	6.0		2:30	5.3	+0.1
	6.0			5.3	+0.1
15+00	6.0		17+00	5.2	+0.2
	6.0			5.2	+0.2
	6.0			5.1	+0.3
	6.0			5.2	+0.2
	6.0			5.1	+0.3
50	6.0		50	5.1	+0.3
	6.0	0.6		5.0	+0.4
	5.8	0.4		5.0	+0.4
	5.7	0.3		5.1	+0.3

N. 126+00; SOUND WEST 8-10-56
 DIST SOUND Elev DIST SOUND Elev

(5.4)	4.9	+0.5		5.5	0.1
18+00	5.0	+0.4	20+00	5.4	0.0
	5.0		(Cont'd MB93 P917)		
	5.0		(Plotted Roll 23)		
	5.0	+0.4			
	4.9	+0.5			
50	4.9	+0.5			
	5.0	+0.4			
2.32	5.0				
	5.0				
	5.0	+0.4			
19+00	5.1	+0.3			
	5.2	+0.2			
	5.3	+0.1			
	5.3	+0.1			
	5.5	0.1			
50	5.6	0.2			
	5.7	0.3			
	5.8	0.4			
	5.9	0.5			

8-13-56
 N. 128+00; 2+00 = W.B. 000; SOUND EAST

	DIST	SOUND	Elev	DIST	SOUND	Elev
	0+00	2.0	+1.4	(3.4)	2.9	+0.5
	11.15	2.0	+1.4	2+00	2.9	+0.5
	(3.4)	2.0	+1.4		3.0	+0.4
		2.1	+1.3		3.0	
		2.0	+1.4		3.0	
50	2.0	+1.4			3.0	
	2.2	+1.2	50	3.0	+0.4	
	2.2	+1.2		3.1	+0.3	
	2.3	+1.1		3.2	+0.2	
	2.2	+1.2		3.2	+0.2	
1+00	2.3	+1.1		3.3	+0.1	
	2.2	+1.2	3+00	3.4	0.0	
	2.3	+1.1		3.4	0.0	
	2.4	+1.0		3.4	0.0	
	2.5	+0.9		3.5	0.1	
50	2.6	+0.8		3.6	0.2	
	2.6	+0.8	50	3.6	0.2	
	2.7	+0.7		3.9	0.5	
	2.8	+0.6		4.0	0.6	

N. 128+00; SOUND EAST 8-13-56
 DIST SOUND Elev DIST SOUND Elev

(3.4)	4.0	0.6	(3.4)	3.9	0.5
	4.0	7		4.1	0.7
4+00	4.0		6+00	4.2	0.8
11/18	4.0	0.6		4.0	0.6
4	4.1	0.7		4.0	0.6
	4.2	0.8		3.8	0.4
	4.3	0.9		3.8	0.4
50	4.0	0.6	50	3.8	0.4
	4.1	0.7		3.9	0.5
	4.0	0.6		4.0	0.6
	3.9	0.5	1120	4.0	0.6
	3.8	0.4	1120	4.0	0.6
5+00	3.9	0.5	7+00	3.8	0.4
	3.9	0.5		3.8	0.4
	4.0	0.6		3.8	0.4
	4.0	7		3.7	0.3
	4.0	7		3.7	7
50	4.0	0.6	50	3.7	7
	4.1	0.7		3.7	0.3
	4.0	0.6		3.5	0.1

N. 128+00; SOUND EAST (64)
 DIST SOUND Elev DIST SOUND Elev

(3.4)	3.3	+0.1	(3.5)	2.2	+1.3
	3.3	+0.1		2.0	+1.5
8+00	3.2	+0.2	10+00	1.8	+1.7
	3.1	+0.3		1.8	+1.7
	3.0	+0.4	11:23	1.6	+1.9
	3.0	7	11:23	1.6	+1.9
	3.0	7		1.5	+2.0
50	3.0	+0.4	50	1.5	+2.0
	2.9	+0.5		1.6	+1.9
	2.8	+0.6		1.4	+2.1
	2.8	+0.6		1.7	+1.8
	2.7	+0.7		1.5	+2.0
9+00	2.8	+0.6	11+00	1.5	+2.0
	2.7	+0.7		1.4	+2.1
	2.5	+0.9	11:25	1.2	+2.3
	2.5	+0.9	11:25	1.1	+2.4
	2.1	+1.3		1.0	+2.5
50	2.5	+0.9	50	1.0	7
	2.0	+1.4		1.0	
	2.1	+1.3		1.0	+2.5

N. 128+00; SOUND EAST 8-13-56
 Dist Sound Elev Dist Sound Elev

(3.3)	0.8	+2.7			
	0.7	+2.8			
12+00	0.7	+2.8	14+00		
	0.7	+2.8			
<u>11.28</u>	0.8	+2.7			
<u>2</u>	0.7	+2.8			
	0.7	+2.8			
50	0.6	+2.9	50		

(Contd MB 90, Pg. 41)

13+00			SOUND WEST		
			0+00		
			<u>11.37</u>	2.0	+1.6
			<u>2</u>	2.0	+1.6
				2.2	+1.4
50				2.2	+1.4
			50	2.3	+1.3
				2.3	+1.3

N. 128+00; SOUND WEST (65)
 Dist Sound Elev Dist Sound Elev

(3.6)	2.3	+1.3	(3.6)	2.1	+1.5
	2.2	+1.4		2.2	+1.4
	2.1	+1.5		2.2	+1.4
1+00	2.0	+1.6	3+00	2.2	+1.4
	2.0			2.1	+1.5
	2.0			2.2	+1.4
	2.0			2.3	+1.3
	2.0	+1.6		2.2	+1.4
50	2.1	+1.5	50	2.3	+1.3
	2.1			2.2	+1.4
11+00	2.1			2.3	+1.3
<u>2</u>	2.1			2.3	
	2.1			2.3	
	2.1			2.3	
2+00	2.1		4+00	2.3	+1.3
	2.1	+1.5		2.1	+1.5
	2.2	+1.4		2.1	
	2.3	+1.3		2.1	
	2.3	+1.3		2.1	+1.5
50	2.3	+1.3	50	2.2	+1.4
	2.2	+1.4		2.2	+1.4

N. 128+00; SOUND WEST 8-13-56.

DIST	Sound	Elev	DIST	Sound	Elev
(3.6)	2.3	+1.3	(3.6)	2.7	+0.9
	2.2	+1.4		2.8	+0.8
	2.3	+1.3		2.8	
5+00	2.3		7+00	2.8	
	2.3			2.8	
	2.3			2.8	
11.43	2.3			2.8	+0.8
2.	2.3			3.0	+0.6
50	2.3		50	2.9	+0.7
	2.3	+1.3		2.9	+0.7
	2.4	+1.2		2.8	+0.8
	3.0	+0.6		3.0	+0.6
	2.7	+0.9		3.0	+0.6
6+00	2.8	+0.8	8+00	3.1	+0.5
	2.8			3.1	
	2.8			3.1	
	2.8	+0.8		3.1	
	2.7	+0.9		3.1	
50	2.6	+1.0	50	3.1	+0.5
	2.6	+1.0		2.9	+0.7

N. 128+00; SOUND WEST (66)

DIST	Sound	Elev	DIST	Sound	Elev
(3.6)	2.8	+0.8	(3.6)	3.4	+0.2
	2.8	+0.8		3.4	+0.2
11.45	2.8	+0.8		3.3	+0.3
9+00	2.9	+0.7	11+00	3.5	+0.1
	3.0	+0.6		3.5	+0.1
	2.9	+0.7		3.7	0.1
	2.9			3.8	0.2
	2.9			3.8	0.2
50	2.9	+0.7	50	3.8	0.2
	3.0	+0.6		3.9	0.3
	3.0	+0.6		4.0	0.4
	3.1	+0.5		4.0	0.4
	3.0	+0.6		4.2	0.6
10+00	3.1	+0.5	12+00	4.2	0.6
	3.1	+0.5		4.2	0.6
	3.0	+0.6		4.3	0.7
	3.1	+0.5		4.5	0.9
	3.2	+0.4		4.5	0.9
50	3.2	+0.4	50	4.5	0.9
	3.3	+0.3		4.6	1.0

N. 128+00; SOUND WEST 8-13-56

Dist	Sound	Elev	Dist	Sound	Elev
(3.7)	4.7	1.0	(3.7)	3.9	0.2
	4.7	1.0		3.8	0.1
	4.8	1.1		4.0	0.3
13+00	4.9	1.2	15+00	4.5	0.8
1148	4.8	1.1		5.5	1.8
1148	4.7	1.0		6.0	2.3
	4.7	1.0		5.5	1.8
	4.8	1.1		4.6	0.9
50	4.7	1.0	50	4.3	0.6
	4.7	1.0		4.2	0.5
	4.8	1.1		4.1	0.4
	4.8	1.1	1150	4.0	0.3
	4.7	1.0	1150	3.6	+0.1
14+00	4.6	0.9	16+00	3.5	+0.2
	4.6	0.9		3.3	+0.4
	4.5	0.8		3.2	+0.5
	4.4	0.7		3.1	+0.6
	4.3	0.6		3.2	+0.5
50	4.1	0.4	50	3.2	+0.5
	4.0	0.3		3.1	+0.6

N. 128+00; SOUND WEST

Dist	Sound	Elev	Dist	Sound	Elev
(3.7)	3.1	+0.6	(3.7)	4.0	0.3
	3.1	+0.6		4.0	0.3
	3.1	+0.6		3.7	0.0
17+00	3.2	+0.5	19+00	3.8	0.1
	3.1	+0.6		3.7	0.0
	3.0	+0.7		3.4	+0.3
	2.9	+0.6		3.3	+0.4
	2.9	+0.6		3.3	+0.4
50	2.9	+0.6	50	3.3	+0.4
	2.8	+0.9		3.2	+0.5
	2.8	}	11.53	3.2	+0.5
	2.8		11.53	3.2	+0.5
	2.8			3.0	+0.7
	2.8			2.8	+0.9
18+00	2.8		20+00	2.8	+0.9
	2.8	+0.9	(Contd MBFB 93, Pg. 15)		
	2.7	+1.0			
	2.8	+0.9			
	3.0	+0.7			
50	3.2	+0.5			
	3.7	0.0			

8-13-56

N. 130+00; 0+00 = W. 8,000; SOUND EAST

Dist	Sound	Elev	Dist	Sound	Elev
0+00			(4.3)	4.1	+0.4
1:17	3.7	+0.8	2+00	4.2	+0.3
(4.5)	3.8	+0.7		4.0	+0.5
	3.8	+0.7		4.1	+0.4
	3.7	+0.8		4.1	+0.4
50	3.9	+0.6		4.2	+0.3
	4.0	+0.5	50	4.3	+0.2
	3.9	+0.6		4.7	0.2
	3.9	+0.6	1:20	4.6	0.1
	3.9	+0.6		4.5	0.0
1+00	4.0	+0.5		4.5	0.0
	4.0		3+00	4.5	0.0
	4.0			4.9	0.4
	4.0			5.1	0.6
	4.0			5.0	0.5
50	4.0			4.9	0.4
	4.0		50	4.8	0.3
	4.0			4.9	0.4
	4.0			5.0	0.5
	4.0			4.9	0.4
	4.0		50	5.1	0.6
	4.0			5.0	0.5
	4.0	+0.5		5.0	0.5

N. 130+00; SOUND EAST

DIST SOUND ELEV DIST SOUND ELEV (68)

DIST	SOUND	ELEV	DIST	SOUND	ELEV
(4.5)	4.9	0.4	(4.5)	5.0	0.5
	4.9	0.4		5.0	
4+00	4.9	0.4	6+00	5.0	
	4.8	0.3		5.0	0.5
	4.7	0.2		4.8	0.3
	4.8	0.3		4.9	0.4
	4.9	0.4		4.9	0.4
50	5.2	0.7	50	4.7	0.2
1:22	4.9	0.4		4.9	0.4
	4.9	0.4		4.7	0.2
	4.9	0.4		4.8	0.3
	5.0	0.5		4.6	0.1
5+00	4.8	0.3	7+00	4.8	0.3
	4.9	0.4		4.5	0.0
	4.8	0.3		4.4	+0.1
	5.0	0.5		4.5	0.0
	4.9	0.4		4.5	0.0
50	5.1	0.6	50	4.2	+0.3
	5.0	0.5		4.5	0.0
	5.0	0.5		4.3	0.0

N. 130+00; SOUND EAST 8-13-56

DIST	Sound	Elev	DIST	Sound	Elev
1:25	4.3	+0.2	1:27	3.1	+1.4
2.3	4.0	+0.5	4.5	2.8	+1.7
8+00	4.1	+0.4	10+00	3.0	+1.5
	4.0	+0.5		2.8	+1.7
	4.0	}		2.8	+1.7
	4.0			2.6	+1.9
	4.0	+0.5		2.5	+2.0
50	3.8	+0.7	50	2.2	+2.3
	4.0	+0.5		2.3	+2.2
	3.8	+0.7		2.2	+2.3
	3.8	+0.7		2.4	+2.1
	3.6	+0.9		2.2	+2.3
9+00	3.5	+1.0	11+00	2.1	+2.4
	3.4	+1.1		2.1	+2.4
	3.5	+1.0		2.0	+2.5
	3.2	+1.3		1.8	+2.7
	3.4	+1.1		1.8	+2.7
50	3.4	+1.1	50	1.7	+2.8
	3.5	+1.0		1.8	+2.8
	3.0	+1.5		1.5	+3.0

N. 130+00; SOUND EAST

DIST	Sound	Elev	DIST	Sound	Elev
4.5	1.2	+2.3			
	1.2	+2.3			
12+00	0.8	+3.7	14+00		
(Cont'd MB90, P942)					
50			50		

N. 130+00; SOUND WEST			8-13-56		
Dist	Sound	Elev	Dist	Sound	Elev
0+00	3.5	+0.7	2+00	3.5	+0.8
(4.2)			(4.3)		
1250	3.5	+0.7		3.5	+0.8
	3.4	+0.8		3.5	+0.8
	3.4	+0.8		3.8	+0.5
	3.5	+0.7		3.6	+0.7
50	3.5	+0.7	50	3.5	+0.8
	3.3	+0.9		3.5	+0.8
	3.3	+0.9	1253	3.4	+0.9
	3.4	+0.8		3.4	+0.9
	3.5	+0.7		3.3	+1.0
1+00	3.5	+0.7	3+00	3.5	+0.8
	3.4	+0.8		3.5	+0.8
	3.4	+0.8		3.6	+0.7
	3.3	+0.9		3.6	+0.7
	3.4	+0.8		3.8	+0.5
50	3.5	+0.7	50	3.7	+0.6
	3.4	+0.8		3.5	+0.8
	3.4	+0.8		3.7	+0.6
	3.6	+0.6		3.8	+0.5
	3.5	+0.7		3.7	+0.6

N. 130+00; SOUND WEST			(20)		
Dist	Sound	Elev	Dist	Sound	Elev
4+00	3.7	+0.6	6+00	3.8	+0.5
(4.3)			(4.3)		
1255	3.7	+0.6		3.7	+0.6
	3.5	+0.8		3.8	+0.5
	3.5			3.6	+0.7
	3.5			3.7	+0.6
50	3.5	+0.8	50	3.7	
	3.4	+0.9		3.7	
	3.4	+0.9		3.7	
	3.5	+0.8		3.7	+0.6
	3.8	+0.5		3.8	+0.5
5+00	3.6	+0.7	7+00	3.8	+0.5
	3.6	+0.7		4.0	+0.3
	3.7	+0.6		3.9	+0.4
	3.8	+0.5		3.9	
	3.6	+0.7		3.9	
50	3.6	+0.7	50	3.9	
	3.4	+0.9		3.9	+0.4
	3.6	+0.7		4.0	+0.3
	3.7	+0.6		4.0	+0.3
	3.6	+0.7		4.0	+0.3

N. 130+00; SOUND. WEST 8-13-56			N. 130+00; SOUND. WEST		
Dist	Sound	Elev	Dist	Sound	Elev
8+00	3.9	+0.5	10+00	4.0	+0.4
12.58	3.9	+0.5	(4.4)	4.0	
	3.8	+0.6	1.00	4.0	
(4.4)	4.0	+0.4		4.0	+0.4
	4.1	+0.3		4.1	+0.3
50	4.0	+0.4	50	4.0	+0.4
	4.0			4.0	+0.4
	4.0			4.0	+0.4
	4.0			4.1	+0.3
	4.0			4.0	+0.4
9+00	4.0		11+00	4.2	+0.2
	4.0			4.2	
	4.0			4.2	
	4.0			4.2	+0.2
	4.0			4.5	0.1
50	4.0		50	4.5	0.1
	4.0			4.5	0.1
	4.0			4.6	0.2
	4.0			4.6	0.2
	4.0	+0.4		4.7	0.3

N. 130+00; SOUND. WEST			N. 130+00; SOUND. WEST		
Dist	Sound	Elev	Dist	Sound	Elev
12+00	4.8	0.4	14+00	4.9	0.5
(4.4)	4.7	0.3	(4.4)	4.9	
1.00	4.7			4.9	
	4.7			4.9	0.5
	4.7			4.8	0.4
50	4.7	0.3	50	4.8	0.4
	5.0	0.6		4.9	0.5
	4.8	0.2		4.9	0.5
	4.9	0.5		5.0	0.6
	4.9	0.5		4.9	0.5
13+00	5.0	0.6	15+00	4.9	
	4.9	0.5		4.9	
	5.0	0.6		4.9	0.5
	5.0			4.8	0.4
	5.0			4.9	0.5
50	5.0	0.6	50	4.9	0.5
	4.9	0.5		4.7	0.3
	4.9			4.8	0.4
	4.9			4.7	0.3
	4.9	0.5		4.8	0.4

8-13-56

N. 130+00; 0+00 = W. B. 000; SOUND WEST

N. 130+00; 0+00 = W. B. 000; SOUND WEST (2)

DIST			SOUND			ELEV			DIST			SOUND			ELEV		
									0+00	4.3	+0.3	2+00	4.7	0.1			
16+00	4.7	0.3	<u>4.4</u>	4.4	0.0	1.38	4.6	0.0	<u>1.40</u>	4.8	0.2						
<u>1.05</u>	4.6	0.2	18+00	4.5	0.1	<u>4.6</u>	4.5	+0.1	<u>4.6</u>	4.8							
<u>4.4</u>	4.6	0.2		4.5	0.1		4.5	+0.1		4.8							
	4.7	0.3		4.4	0.0		4.5	+0.1		4.8	0.2						
	4.7	0.3		4.7	0.3	50	4.6	0.0	50	4.7	0.1						
50	4.9	0.5		4.6	0.2		4.7	0.1		4.7	0.1						
	4.7	0.3	50	4.8	0.4		4.8	0.2		4.8	0.2						
	4.6	0.2		4.8	0.4		4.7	0.1		4.8	0.2						
	4.8	0.4		4.8	0.4		4.8	0.2		4.7	0.1						
	4.8	0.4		4.6	0.2	1+00	4.9	0.3	3+00	4.8	0.2						
17+00	4.7	0.3		4.5	0.1		4.9	0.3		4.8							
	4.6	0.2	19+00	4.5	0.1		4.8	0.2		4.8							
	4.7	0.3		4.4	0.0		4.8	0.2		4.8	0.2						
	4.8	0.4		4.4			4.8	0.2		4.9	0.3						
	4.7	0.3	<u>1.08</u>	4.4		50	4.7	0.1	50	4.8	0.2						
50	4.8	0.4	50	4.4			4.7			4.6	0.0						
	4.6	0.2	50	4.4			4.7			4.5	+0.1						
	4.3	0.1		4.3	0.0		4.7			4.5	+0.1						
	4.3	0.1		4.0	+0.4		4.7	0.1		4.5	+0.1						
				3.9	+0.5												
				3.7	+0.7												

(Contd MB F693, Pg 13)

20+00

N. 132+00; SOUND WEST 8-13-56

Dist	Sound	Elev	Dist	Sound	Elev
4+00	4.4	+0.2	6+00	4.9	0.3
(4.6)	4.5	+0.1	(4.6)	4.9	0.3
	4.6	0.0	10+00	5.0	0.4
	4.6	0.0		5.0	0.4
	4.7	0.1		4.9	0.3
50	4.7	0.1	50	4.9	0.3
	4.6	0.0		4.9	0.3
142	4.7	0.1	50	5.0	0.4
	4.7	0.1		5.0	0.4
	4.7	0.1		4.9	0.3
5+00	4.5	+0.1	7+00	5.0	0.4
	4.5	+0.1		5.0	
	4.6	0.0	11+00	5.0	
	4.6	0.0		5.0	
	4.7	0.1		5.0	0.4
50	4.8	0.2	50	5.1	0.5
	4.9	0.3		5.1	0.5
	4.9		50	5.0	0.4
	4.9			4.9	0.3
	4.9	0.3		4.9	0.3

N. 132+00; SOUND WEST ⑬

Dist	Sound	Elev	Dist	Sound	Elev
8+00	5.0	0.3	10+00	5.1	0.4
145	5.0		(4.7)	5.0	0.3
	5.0			4.9	0.2
(4.7)	5.0	0.3		4.9	0.2
	4.9	0.2		4.9	0.2
50	4.7	0.0	50	5.0	0.3
	4.7	0.0		4.9	0.2
	4.8	0.1		4.8	0.1
	4.8			4.8	0.1
	4.8			4.8	0.1
9+00	4.8		11+00	4.9	0.2
	4.8	0.1		4.9	0.2
	4.9	0.2		4.8	0.1
	4.9	0.2		4.9	0.2
	5.0	0.3		4.9	0.2
50	4.9	0.2	50	4.8	0.1
	4.8	0.1		4.7	0.0
	4.8	0.1		4.7	
	4.8	0.1		4.7	
	4.9	0.2		4.7	0.0

N. 132+00; SOUND WEST 8-13-56			N. 132+00; SOUND WEST			N. 132+00; SOUND WEST			N. 132+00; SOUND WEST		
Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev	Dist	Sound	Elev
12+00	4.7	0.0	14+00	5.2	0.5	16+00	5.7	1.0	18+00	5.5	0.7
11.48	4.8	0.1	11.50	5.2	0.5	(4.7)	5.8	1.1	(4.8)	5.4	0.6
(4.7)	4.8	0.1	(4.7)	5.2	0.5		5.8	1.1	1:53	5.4	0.6
	4.9	0.2		5.3	0.6		5.7	1.0		5.4	0.6
	4.9			5.3	0.6		5.7	1.0		5.5	0.8
50	4.9		50	5.3	0.6	50	5.5	0.8	50	5.5	0.7
	4.9	0.2		5.4	0.7		5.4	0.7		5.5	0.7
	5.0	0.3		5.5	0.8		5.4	0.7		5.4	0.6
	4.9	0.2		5.3	0.6		5.3	0.6		5.3	0.5
	4.9	0.2		5.4	0.7		5.2	0.5		5.2	0.4
13+00	4.9	0.2	15+00	5.4	0.7	17+00	5.2		19+00	5.0	0.2
	5.0	0.3		5.5	0.8		5.2			5.0	
	5.1	0.4		5.5	0.8		5.2	0.5		5.0	
	5.1	0.4		5.4	0.7		5.1	0.4		5.0	0.2
	5.1	0.4		5.4			5.2	0.5		5.1	0.3
50	5.2	0.5	50	5.4		50	5.3	0.6	50	5.0	0.2
	5.2	0.5		5.4	0.7		5.4	0.7		5.0	0.2
	5.2	0.5		5.5	0.8		5.3	0.6		5.0	0.2
	5.1	0.4		5.5	0.8		5.4	0.7	1:55	4.9	0.1
	5.2	0.5		5.6	0.9		5.5	0.8		4.9	0.1
										4.8	0.0

(Cont'd MBFB 93, Pg. 1)

N. 132+00; SOUND EAST 8-13-56

Dist	Sound	Elev	Dist	Sound	Elev
0+00			2+00	5.1	0.2
<u>203</u>	4.6	+0.3	205	5.1	
<u>4.9</u>	4.7	+0.2	<u>4.9</u>	5.1	
	4.8	+0.1		5.1	
	5.0	0.1		5.1	
50	4.7	+0.2	50	5.1	
	4.8	+0.1		5.1	
	4.8	+0.1		5.1	0.2
	4.9	0.0		5.2	0.3
	5.0	0.1		5.2	0.3
4+00	4.9	0.0	3+00	5.2	0.3
	5.0	0.1		4.9	0.0
	5.1	0.2		5.0	0.1
	5.1	0.2		5.1	0.2
	5.0	0.1		5.0	0.1
50	5.0	0.1	50	5.1	0.2
	5.0	0.1		5.2	0.3
	5.5	0.6		5.2	
	5.3	0.4		5.2	
	5.3	0.4		5.2	0.3

N. 132+00; SOUND EAST (75)

Dist	Sound	Elev	Dist	Sound	Elev
4+00	5.2	0.3	6+00	5.7	0.8
207	5.3	0.4	<u>4.9</u>	5.8	0.9
<u>4.9</u>	5.3	0.4		5.8	
	5.4	0.5		5.8	
	5.5	0.6		5.8	0.9
50	5.6	0.7	50	5.7	0.8
	5.8	0.9		5.4	0.5
	5.9	1.0		5.3	0.4
	6.0	1.1		5.3	0.4
	5.9	1.0		5.2	0.3
5+00	5.8	0.9	7+00	5.2	0.3
	5.8	0.9		5.1	0.2
	5.8	0.9		5.1	0.2
	5.7	0.8		5.0	0.1
	5.6	0.7		5.0	
50	5.6	0.7	50	5.0	
	5.7	0.8		5.0	
	5.8	0.9		5.0	0.1
	5.8	0.9		4.9	0.0
	5.8	0.9		4.9	0.0

N. 132+00; SOUND EAST 8-13-56

Dist Sound Elev Dist Sound Elev

8+00 4.9 0.0 10+00 3.4 +1.5

2:10 4.7 +0.2 (4.0) 3.2 +1.7

(4.0) 4.7 +0.2 2:12 3.1 +1.8

4.6 +0.3 3.1 +1.8

4.5 +0.4 3.2 +1.7

50 4.5 +0.4 50 2.9 +2.0

4.6 +0.3 2.7 +2.2

4.6 +0.3 2.6 +2.3

4.4 +0.5 2.4 +2.5

4.3 +0.6 2.4 +2.5

9+00 4.3 +0.6 11+00 2.3 +2.6

4.1 +0.8 2.1 +2.8

4.0 +0.9 2.1 +2.8

3.8 +1.1 2.0 +2.9

3.8 +1.1 1.7 +3.2

50 3.6 +1.3 50 1.7 +3.2

3.3 +1.6 1.2 +3.7

3.3 +1.6 1.2 +3.7

3.4 +1.5 1.0 +3.9

3.5 +1.4 0.9 +4.0

N. 132+00; SOUND EAST

Dist Sound Elev Dist Sound Elev (76)

12+00 0.9 +4.1 14+00

(5.0) 0.7 +4.3

2:15 0.5 +4.5

0.3 +4.7

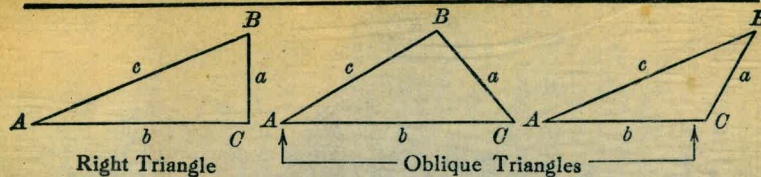
(Cont'd MB 90, Pg 45)

50 50

13+00 15+00

50 50

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.