



NEW YORK UNIVERSITY

College of Engineering

RESEARCH DIVISION

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Department of Meteorology and Oceanography

Wave Spectra Estimated from Wave Records Obtained by  
the OWS WEATHER EXPLORER and  
the OWS WEATHER REPORTER (I)

By

L. Moskowitz

W. J. Pierson, Jr.

E. Mehr



Technical Report Prepared for  
U. S. Navy Oceanographic Office  
under contract  
N62306-1042

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## Introduction

As a part of the problem of developing numerical wave forecasting procedures for the North Atlantic Ocean, selected sequences of the weather maps for the North Atlantic for which wave data were known to be available were studied in detail for the five year period beginning in April 1955 and ending in March 1960. Certain dates and times of observations were selected for a variety of reasons for study. For these dates and times, the National Institute of Oceanography provided copies of the wave records that were obtained by the OWS Weather Explorer and by the OWS Weather Reporter.

In total, about 800 wave records were provided, and a complete spectral analysis is planned for about 400 of these records.

This report is the first of a series of reports to present in tabular and graphical form the results of these analyses. The total number of spectra given is 114.

## Analysis procedures

The original wave records varied in length, but almost all of this first set were 15 minutes long. The crest to trough heights of the highest waves in a particular record (uncorrected for calibration effects) varied from a few feet to more than 60 feet in the complete set of records. Bounds were set on each record just above the highest wave crest and just below the lowest wave trough, and the records were read to an accuracy of one part in a thousand (nominally) over this range at an interval of 1.5 seconds throughout the record. Thus a 15 minute record was reduced to a time series



of 600 points. Where gaps or irregularities occurred, the records were smoothed by hand as accurately as possible.

The time series of 600 points was then analyzed on the CDC 1604 so as to estimate the energy spectrum of the waves at 60 points over the frequency range from zero to 0.333 cycles per second by means of the procedures given by Tukey (1949) as explained in detail by Blackman and Tukey (1958). The smoothing operation that was used to go from L to U in the equations of Blackman and Tukey was

$$(1) \quad U_h = 0.25L_{h-1} + 0.50L_h + 0.25L_{h+1}$$

with suitable corrections at the ends of the range.

The spectral estimates so obtained still had to be corrected for the response of the shipborne wave recorder (Tucker, 1956) and for the introduction of noise in both the original record and in the digitization procedure. The calibration of the shipborne recorder depends on the ship, and the calibration curves were provided by Mr. D. E. Cartwright for this purpose. The calibration curve for the Weather Explorer is given by Table 1. The calibration curve for the Weather Reporter is given by Table 2.

As in another investigation (Bretschneider, Crutcher, et al (in press)), it was found that the application of the above calibration curves to the spectra that were originally computed resulted first in a decrease and then a rapid increase in the spectra at high frequencies due to the presence of noise and other irregularities (possibly from nonlinear effects in the original wave records) at the high frequency end of the spectrum. To eliminate this effect,



the last part of the spectrum was smoothed by a three point running weighted mean (0.25, 0.50, and 0.25) and then the last ten values were averaged.\* This average was treated as white noise and subtracted from all spectral estimates. When the reduced values were multiplied by the appropriate calibration curves, the usual result was a fairly smooth spectrum that decreased regularly toward zero values at high frequency. By such a procedure some of the spectral values at high frequency will be negative. These values were automatically set equal to zero in the rest of the computations.

Inadvertently, Table 1 was applied where Table 2 ought to have been applied to some of the spectra. The result was exceptionally high values at high frequencies. Thus the calibrations given in these two tables do distinguish between the characteristics of the two ships as, when done correctly, reasonable results were obtained.

Even with these corrections, there were a few spectra that still became exceptionally large for frequencies greater than about 0.25 cycles per second. This behavior was apparently caused by the original quality of the record and not by the digitization procedure. These spectra were further modified by arbitrarily setting the calibration curve equal to one above a certain frequency that was selected by inspection of each spectrum.

The result of such a sequence of computations should yield fairly reliable spectral estimates for frequencies ranging from zero to 0.25 cycles per second, but the values at high frequencies should not be used to decide on any features of the high frequency end.

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\*See p. 6 for details.



### Sample parameter estimates

The spectral estimates that resulted from this sequence of operations were then processed further to obtain some additional useful information. Let  $U_h^*$ , for  $h = 0, 1, 2, \dots, 60$ , represent the spectral estimates (after subtraction of the noise and multiplication by the calibration for the shipborne recorder) in terms of the resolution of the variance of the wave record into frequency intervals. The following quantities were then also computed and tabulated with each spectrum.

$$(2) \quad \text{CORR VAR} = \text{corrected variance} = \sum U_h^*$$

$$(3) \quad \text{SIG HGT} = \bar{H}_{\frac{1}{3}} = 2.83 (2 \sum U_h^*)^{1/2}$$

$$(4) \quad \text{AVER T} = \tilde{T} = [\sum U_h^* / \sum f_h^2 U_h^*]^{1/2}$$

$$(5) \quad \text{TOTAL DF} = \text{Total degrees of freedom} = 10 [\sum U_h^*]^2 / [\sum U_h^2]$$

(for 600 points, 60 lags; i. e., 20 degrees of freedom per spectral estimate)

The confidence intervals on the corrected variance and on the significant height are given by

$$\text{Upper 95\% on CORR VAR} = (10^{+1/\sqrt{\text{TDF}}}) \text{ CORR VAR}$$

(6)

$$\text{Lower 5\% on CORR VAR} = (10^{-1/\sqrt{\text{TDF}}}) \text{ CORR VAR}$$

and by



$$\text{Upper 95\% on } \bar{H}_{\frac{1}{3}} = 10^{+1/2\sqrt{\text{TDF}}} \bar{H}_{\frac{1}{3}}$$

(7)

$$\text{Lower 5\% on } \bar{H}_{\frac{1}{3}} = 10^{-1/2\sqrt{\text{TDF}}} \bar{H}_{\frac{1}{3}}$$

in terms of the total degrees of freedom (TDF) to a high degree of accuracy since the total degrees of freedom are large.

The corrected variance, the significant height, and the total degrees of freedom are relatively insensitive to changes in the noise level and in the high frequency behavior of the spectrum. However, the average period can properly be viewed with caution.

The winds near the ship at the time of observation are also given to the nearest five knots as read directly from weather maps. These values are subject to later correction in terms of the logs of the weather ships.

#### Explanation of tables and graphs

The body of this report consists of supplementary tables, of tables that give the appropriate results for each of the original wave records, and of graphs of each of the estimated spectra along with the confidence intervals on the spectra.

The supplementary tables consist of Tables 1 through 4. Tables 1 and 2 have been described above.

Table 3 gives either the on station position of the ship, A, I, J, or K, or the latitude and longitude of the ship if it is going on or off station. The speed and direction of the ship is given.



Position A corresponds to 62°N, 33°W.

Position I corresponds to 59°N, 19°W.

Position J corresponds to 52.5°N, 20°W.

Position K corresponds to 45°N, 16°W.

If the record was not 15 minutes long, less than 600 points were read. For these records, Table 4 gives the actual number of points used and the corrected total degrees of freedom. A correction to the upper and lower confidence limits, which would be quite small, would also be needed to be exact.

#### Spectral tabulations

A tabulated spectrum can be interpreted as follows:

- 1a) Supplementary data for each spectrum consist of the date, hour, wind speed, total degrees of freedom, average period, significant height, corrected variance, noise level, and record number. Some tables give the confidence limits for the height according to equation (7).
- 1b) In the first column, the spectral lag numbers (H) are given.
- 2) In the second column (FRE) the frequency according to the equation  $f = H/180 \text{ (sec}^{-1}\text{)}$  is given.
- 3) In the third column (UNIT = FT<sup>2</sup>), the spectrum as computed from the original data is given in units of (ft)<sup>2</sup>.
- 4) In the fourth column (FILTERED), a smoothing operator for  $H > 40$  is applied. It is actually
 
$$F_H = 0.25U_{H-1} + 0.50U_H + 0.25F_{H+1}$$
 (where F = Filtered, and U = Unit)
- 5) In the fifth column (LESS NOISE), the noise level shown at the top is subtracted from each estimate.



- 6) In the sixth column (CORR FT 2), the LESS NOISE column is multiplied by the calibration curve for the shipborne record according to either Table 1 or Table 2. If this column agrees with the previous column, at high frequencies, the calibration curve has been arbitrarily set equal to one to avoid extreme values at high frequency.
- 7) In the last two columns, the upper and lower 95% and 5% confidence bounds are shown.

### The graphs of the spectra

The graph that accompanies the spectral tabulation shows the spectrum and the 95% and 5% confidence bounds. The scale is chosen so that the highest 95% confidence value is at the top of the graph and the vertical axis of the coordinate system shows the spectral values for that spectrum in units of (feet)<sup>2</sup>. The scales change with each spectrum and comparisons between spectra by means of the graphs should be made cautiously.

### Acknowledgments

We wish to thank the National Institute of Oceanography of the United Kingdom for providing us with the wave records. Dr. J. Darbyshire sent some of the records to us from South Africa. Mr. D. E. Cartwright and Mr. L. Draper were most helpful in assembling other records at N. I. O. having them copied and forwarding the records to us. The records were digitized at Johns Hopkins University and at Davidson Laboratory of Stevens Institute of Technology.



References

- Blackman, R. B. , and J. W. Tukey (1958): The measurement of power spectra from the point of view of communications engineering, Parts I and II. Bell System Tech. Journ. , Jan. 1958, March 1958.
- Bretschneider, C. L. , H. L. Crutcher, J. Darbyshire, G. Neumann, W. J. Pierson, H. Walden, and B. W. Wilson: Data for high wave conditions observed by the OWS Weather Reporter in December 1959. (To be published in D. H. Z. )
- Tucker, M. J. (1956): A ship-borne wave recorder. Trans. Inst. Naval Arch. , London, 98, 236.
- Tukey, J. W. : The sampling theory of power spectrum estimates. Symposium on Applications of Autocorrelation Analysis to Physical Problems. Woods Hole, Massachusetts, 13-14 June, 1949. pp. 47-67, 1950.



Table 1. Calibration factors for the Weather Explorer.

1.0000						
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.6157
1.3740	1.2452	1.1746	1.1399	1.1291	1.1343	
1.1547	1.1870	1.2304	1.2845	1.3504	1.4277	
1.5193	1.6241	1.7444	1.8828	2.0415	2.2243	
2.4349	2.6765	2.9523	3.2725	3.6414	4.0714	
4.5654	5.1490	5.8190	6.6136	7.5383	8.6336	
9.9169	11.4459	13.2691	15.4245	18.0095	21.1086	
24.8366	29.3522	34.8079	41.4485	49.5464	59.4548	
71.5502	86.5947	105.1503	128.1186	156.7723	192.5202	
237.3987	293.8682	365.1736	455.5306	570.2699	716.8705	

Table 2. Calibration factors for the Weather Reporter.

1.0000						
1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.5755
1.3277	1.1908	1.1099	1.0630	1.0375	1.0257	
1.0260	1.0350	1.0514	1.0633	1.1034	1.1384	
1.1805	1.2280	1.2817	1.3424	1.4105	1.4871	
1.5731	1.6684	1.7736	1.8918	2.0229	2.1704	
2.3321	2.5169	2.7181	2.9479	3.2018	3.4899	
3.8088	4.1715	4.5826	5.0408	5.5616	6.1512	
6.8201	7.5845	8.4517	9.4439	10.5785	11.8784	
13.3689	15.0856	17.0596	19.3530	22.0055	25.0761	
28.6529	32.8206	37.6868	43.3807	50.0432	57.8872	



Table 3. Position and speed of ship for each record.

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
DL 1	I		stopped
2	I		stopped
3	I		stopped
4	I		stopped
5	I		stopped
6	I		stopped
7	I		stopped
8	I		stopped
9	I	345°	1
10	I	360°	2
11	I	360°	1
12	I		stopped
13	I		stopped
14	I		stopped
15	J	280°	1
16	J	280°	1
17	J		stopped
18	J	290°	1
19	J	290°	1/2
20	J		stopped
21	J		stopped
22	J	280°	1
23	J	280°	1
24	J		hove to
25	J		stopped
26	J	260°	1/2
27	J	280°	0
28	J	280°	1/2
29	J		stopped
30	J		stopped



Table 3. (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
DL 31	I		stopped
32	I		stopped
33	I	190°	1
34	I	190°	2
35	I	250°	1
36	I	230°	1
37	I	230°	1
38	I	240°	1/2
39	I	240°	1/2
40	I	240°	1
41	I	250°	1
42	I		stopped
43	A	070°	2
44	A		stopped
45	A		stopped
46	I	250°	1
47	I	250°	1½
48	I	250°	2
49	I	250°	2
50	I	250°	1
51	I	260°	1
52	I	265°	1½
53	I	260°	2
54	I	265°	1
55	I	280°	2
56	I		stopped
57	I	305°	1½
58	I		stopped
59	I		stopped
60	I		stopped



Table 3. (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JH 1	A	040°	1
2	A	090°	2
3	A	050°	2
4	A	040°	1
5	A	040°	1
6	A		stopped
7	A		stopped
8	K		stopped
9	K		stopped
10	K		stopped
11	K	290°	1
12	K	280°	1/2
13	K	275°	1/2
14	K	275°	1
15	K	275°	1½
16	K	270°	1
17	K	275°	1
18	K	275°	1
19	K		stopped
20	A	085°	2
21	A	140°	2
22	A	160°	1½
23	A	240°	1
24	A	200°	2
25	A	200°	2
26	A	220°	2
27	A	250°	1
28	A	240°	2
29	A	235°	1½
30	A	240°	2



Table 3. (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JH 31	A	230°	1½
32	A	190°	2
33	A	190°	2
34	A	180°	2
35	A		stopped
36	A	230°	1½
37	A	240°	2
38	A	230°	1½
39	A	230°	2
40	A	220°	1
41	J	080°	1
42	J	090°	1
43	J	070°	1
44	52°42'N, 19°W	065°	3
45	53°N , 18°W	060°	7
46	52°54'N, 16°54'W	060°	7
47	53°01'N, 16°36'W	050°	4
48	53°06'N, 16°20'W	350°	4
49	53°08'N, 16°15'W	050°	5
50	53°18'N, 16°16'W	340°	1
51	53°18'N, 16°16'W		hove to
52	53°17'N, 15°56'W	120°	11
53	52°48'N, 14°26'W	120°	10
54	52°30'N, 13°35'W	120°	11½



Table 4. Data on short records for which less than 600 points were available.

<u>Record No.</u>	<u>no. of points</u>	<u>Original TDF</u>	<u>Corrected TDF</u>
DL 50	592	144	142
JH 4	561	150	140
JH 16	591	134	132
JH 17	592	101	100
JH 18	590	128	126
JH 19	581	133	129
JH 24	586	151	147
JH 36	585	204	199

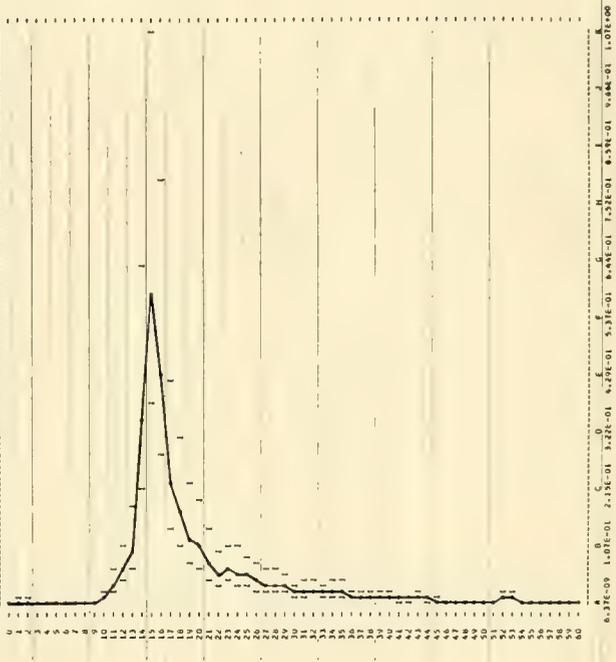


SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/17/59 AV. F# = 8.9 RECORD = DL 44  
 HCUR = 9 SIG.MGT. = 4.8 UPPER MGT. = 7.6  
 TOTAL OF 105 CORR. VAR. = 2.9 LOWER MGT. = 8.1  
 NOISE LEVEL = .0015 WIND SPEED = 15

M	FREQ.	UNIT=FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000	.0044	.0044	.0029	.0029	.0053	.0018
1	.004	.0055	.0055	.0040	.0040	.0074	.0025
2	.011	.0044	.0044	.0044	.0044	.0090	.0031
3	.017	.0039	.0039	.0024	.0024	.0084	.0015
4	.022	.0015	.0015	.0000	.0000	.0001	.0000
5	.028	.0012	.0012	.0000	.0000	.0000	.0000
6	.033	.0008	.0008	.0000	.0000	.0010	.0003
7	.039	.0011	.0011	.0000	.0000	.0000	.0000
8	.044	.0019	.0019	.0004	.0004	.0010	.0003
9	.050	.0029	.0029	.0014	.0015	.0028	.0010
10	.056	.0105	.0105	.0059	.0059	.0177	.0061
11	.061	.0339	.0339	.0324	.0324	.0419	.0214
12	.067	.0596	.0596	.0581	.0581	.0694	.0379
13	.072	.1001	.1001	.0986	.0986	.1184	.0644
14	.078	.3313	.3313	.3298	.3313	.4291	.2173
15	.083	.5555	.5555	.5540	.5525	.1077	.3709
16	.088	.4075	.4075	.4050	.4035	.7957	.2749
17	.094	.2076	.2076	.2060	.2072	.4189	.1447
18	.100	.1407	.1407	.1472	.1475	.3088	.1067
19	.106	.1038	.1038	.1020	.1020	.2220	.0767
20	.111	.0809	.0809	.0854	.0854	.1594	.0498
21	.117	.0404	.0404	.0501	.0517	.1394	.0487
22	.122	.0389	.0389	.0375	.0503	.0927	.0320
23	.128	.0444	.0444	.0429	.0429	.0805	.0385
24	.133	.0409	.0409	.0394	.0394	.0880	.0373
25	.139	.0323	.0323	.0309	.0485	.0495	.0309
26	.144	.0267	.0267	.0252	.0421	.0274	.0288
27	.150	.0210	.0210	.0195	.0340	.0638	.0220
28	.156	.0210	.0210	.0195	.0340	.0638	.0220
29	.161	.0171	.0171	.0156	.0316	.0582	.0201
30	.167	.0095	.0095	.0080	.0174	.0321	.0144
31	.172	.0112	.0112	.0097	.0276	.0417	.0144
32	.178	.0116	.0116	.0101	.0256	.0446	.0162
33	.183	.0083	.0083	.0070	.0200	.0390	.0121
34	.189	.0098	.0098	.0083	.0245	.0452	.0136
35	.194	.0093	.0093	.0078	.0239	.0460	.0139
36	.200	.0055	.0055	.0040	.0141	.0250	.0090
37	.206	.0038	.0038	.0023	.0089	.0163	.0059
38	.211	.0041	.0041	.0026	.0098	.0200	.0070
39	.217	.0043	.0043	.0028	.0130	.0239	.0083
40	.222	.0035	.0035	.0020	.0100	.0180	.0064
41	.228	.0024	.0024	.0013	.0071	.0130	.0045
42	.233	.0028	.0028	.0012	.0078	.0140	.0048
43	.239	.0033	.0033	.0019	.0080	.0185	.0064
44	.244	.0024	.0024	.0010	.0076	.0143	.0048
45	.250	.0017	.0017	.0004	.0033	.0061	.0021
46	.256	.0016	.0016	.0001	.0014	.0026	.0004
47	.261	.0016	.0016	.0001	.0008	.0015	.0005
48	.267	.0015	.0015	.0000	.0000	.0000	.0000
49	.272	.0014	.0014	.0000	.0000	.0000	.0000
50	.278	.0014	.0014	.0000	.0000	.0000	.0000
51	.283	.0016	.0016	.0002	.0028	.0051	.0018
52	.289	.0022	.0020	.0005	.0097	.0180	.0062
53	.294	.0021	.0019	.0004	.0094	.0174	.0061
54	.300	.0011	.0013	.0000	.0000	.0000	.0000
55	.306	.0010	.0010	.0000	.0000	.0000	.0000
56	.311	.0013	.0012	.0000	.0000	.0000	.0000
57	.317	.0017	.0015	.0000	.0015	.0028	.0010
58	.322	.0015	.0015	.0000	.0000	.0000	.0000
59	.328	.0013	.0014	.0000	.0000	.0000	.0000
60	.333	.0014	.0013	.0000	.0000	.0000	.0000

OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY  
 DL 44  
 10/17/59  
 AVERAGE = .0015dBZ  
 6.31E-09 1.07E-01 1.31E-01 1.51E-01 1.71E-01 1.91E-01 2.11E-01 2.31E-01 2.51E-01 2.71E-01 2.91E-01 3.11E-01 3.31E-01 3.51E-01 3.71E-01 3.91E-01 4.11E-01 4.31E-01 4.51E-01 4.71E-01 4.91E-01 5.11E-01 5.31E-01 5.51E-01 5.71E-01 5.91E-01 6.11E-01 6.31E-01 6.51E-01 6.71E-01 6.91E-01 7.11E-01 7.31E-01 7.51E-01 7.71E-01 7.91E-01 8.11E-01 8.31E-01 8.51E-01 8.71E-01 8.91E-01 9.11E-01 9.31E-01 9.51E-01 9.71E-01 9.91E-01 1.01E+00

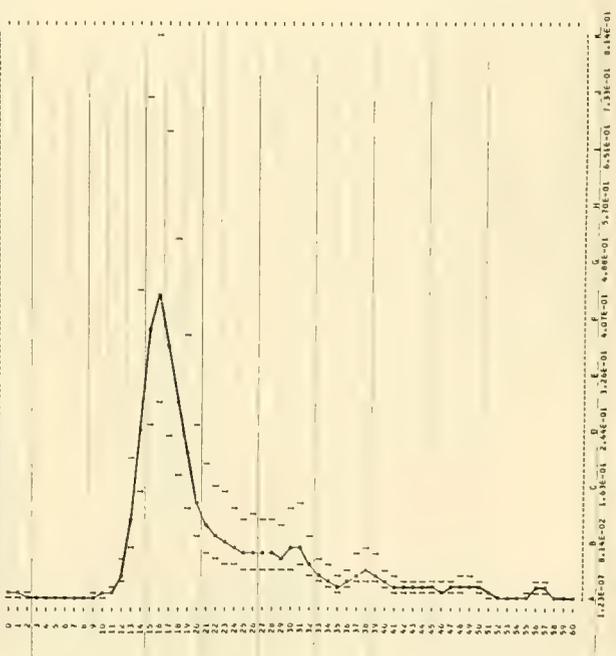


SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/17/59 AV. F# = 7.7 RECORD = DL 45  
 HCUR = 15 SIG.MGT. = 7.5 UPPER MGT. = 8.2  
 TOTAL OF 101 CORR. VAR. = 3.5 LOWER MGT. = 9.9  
 NOISE LEVEL = .0017 WIND SPEED = 25

M	FREQ.	UNIT=FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000	.0049	.0049	.0032	.0032	.0096	.0033
1	.004	.0062	.0062	.0046	.0046	.0084	.0028
2	.011	.0048	.0048	.0032	.0032	.0058	.0020
3	.017	.0034	.0034	.0018	.0018	.0033	.0011
4	.022	.0025	.0025	.0008	.0008	.0015	.0005
5	.028	.0024	.0024	.0008	.0008	.0014	.0005
6	.033	.0024	.0024	.0008	.0008	.0024	.0009
7	.039	.0026	.0026	.0009	.0013	.0023	.0008
8	.044	.0026	.0026	.0009	.0007	.0015	.0005
9	.050	.0044	.0044	.0027	.0030	.0056	.0019
10	.056	.0076	.0076	.0059	.0063	.0116	.0040
11	.061	.0093	.0093	.0077	.0074	.0147	.0051
12	.067	.0337	.0337	.0320	.0329	.0406	.0209
13	.072	.1106	.1106	.1100	.1118	.2061	.0712
14	.078	.2354	.2354	.2338	.2420	.4460	.1541
15	.083	.3739	.3739	.3723	.3814	.7214	.2492
16	.088	.4170	.4170	.4153	.4414	.8140	.2812
17	.094	.3367	.3367	.3350	.3675	.6773	.2340
18	.100	.2518	.2518	.2501	.2847	.5246	.1813
19	.106	.1781	.1781	.1765	.2083	.3840	.1327
20	.111	.1142	.1142	.1126	.1383	.2548	.0880
21	.117	.0857	.0857	.0841	.1078	.1986	.0684
22	.122	.0659	.0659	.0643	.0863	.1500	.0494
23	.128	.0460	.0460	.0444	.0623	.1017	.0344
24	.133	.0301	.0301	.0284	.0420	.1328	.0459
25	.139	.0217	.0217	.0200	.0296	.1172	.0405
26	.144	.0408	.0408	.0391	.0533	.1204	.0416
27	.150	.0321	.0321	.0304	.0424	.1156	.0400
28	.156	.0350	.0350	.0333	.0430	.1161	.0401
29	.161	.0305	.0305	.0288	.0383	.1075	.0371
30	.167	.0337	.0337	.0320	.0405	.1281	.0443
31	.172	.0338	.0338	.0321	.0479	.1380	.0477
32	.178	.0205	.0205	.0188	.0474	.0873	.0302
33	.183	.0134	.0134	.0118	.0320	.0590	.0204
34	.189	.0011	.0011	.0004	.0028	.0513	.0177
35	.194	.0073	.0073	.0057	.0162	.0335	.0116
36	.200	.0082	.0082	.0065	.0228	.0420	.0145
37	.206	.0108	.0108	.0091	.0348	.0642	.0222
38	.211	.0115	.0115	.0098	.0409	.0753	.0260
39	.217	.0091	.0091	.0074	.0342	.0630	.0218
40	.222	.0061	.0061	.0044	.0222	.0481	.0161
41	.228	.0042	.0044	.0029	.0162	.0299	.0103
42	.233	.0036	.0036	.0022	.0137	.0252	.0087
43	.239	.0039	.0038	.0021	.0145	.0267	.0092
44	.244	.0036	.0036	.0024	.0144	.0264	.0092
45	.250	.0034	.0033	.0016	.0138	.0254	.0088
46	.256	.0027	.0029	.0012	.0114	.0212	.0073
47	.261	.0021	.0021	.0014	.0124	.0224	.0076
48	.267	.0035	.0032	.0016	.0185	.0341	.0118
49	.272	.0032	.0031	.0015	.0185	.0361	.0125
50	.278	.0027	.0027	.0010	.0150	.0274	.0095
51	.283	.0020	.0020	.0000	.0061	.0111	.0039
52	.289	.0012	.0012	.0000	.0000	.0000	.0000
53	.294	.0013	.0013	.0000	.0000	.0000	.0000
54	.300	.0016	.0016	.0000	.0000	.0000	.0000
55	.306	.0017	.0018	.0001	.0035	.0064	.0022
56	.311	.0023	.0023	.0001	.0039	.0067	.0027
57	.317	.0021	.0020	.0004	.0139	.0256	.0088
58	.322	.0014	.0016	.0000	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000	.0000
60	.333	.0015	.0014	.0000	.0000	.0000	.0000

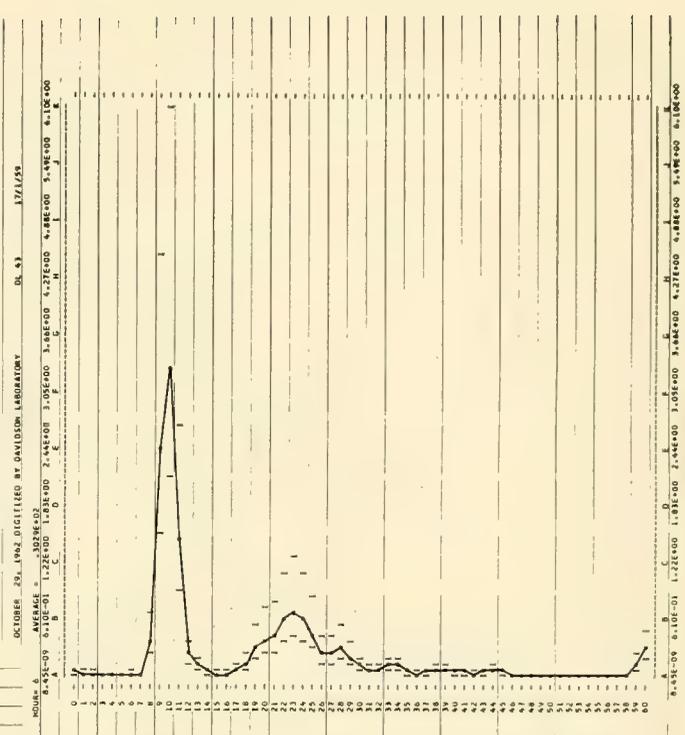
OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY  
 DL 45  
 10/17/59  
 AVERAGE = .0015dBZ  
 1.31E-01 1.51E-01 1.71E-01 1.91E-01 2.11E-01 2.31E-01 2.51E-01 2.71E-01 2.91E-01 3.11E-01 3.31E-01 3.51E-01 3.71E-01 3.91E-01 4.11E-01 4.31E-01 4.51E-01 4.71E-01 4.91E-01 5.11E-01 5.31E-01 5.51E-01 5.71E-01 5.91E-01 6.11E-01 6.31E-01 6.51E-01 6.71E-01 6.91E-01 7.11E-01 7.31E-01 7.51E-01 7.71E-01 7.91E-01 8.11E-01 8.31E-01 8.51E-01 8.71E-01 8.91E-01 9.11E-01 9.31E-01 9.51E-01 9.71E-01 9.91E-01 1.01E+00





SPECTRA HINDCASTING OCTOBER 29, 1942 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/29/42		AV. T. = 8.7		RECORD = DL 43			
HOUR = 8		SIG. MET. = 12.0		UPPER MET. = 16.9			
TOTAL DF = 81		CORR. VAR. = 14.0		LOWER MET. = 13.3			
		NOISE LEVEL = .0274		WIND SPEED = 30			
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.0453	.0453	.0379	.0379	.0489	.0241
1	.001	.0368	.0368	.0294	.0294	.0342	.0187
2	.002	.0282	.0282	.0219	.0219	.0252	.0116
3	.003	.0197	.0197	.0150	.0150	.0172	.0077
4	.004	.0112	.0112	.0085	.0085	.0098	.0042
5	.005	.0027	.0027	.0021	.0021	.0022	.0018
6	.006	.0012	.0012	.0009	.0009	.0009	.0007
7	.007	.0007	.0007	.0005	.0005	.0005	.0004
8	.008	.0002	.0002	.0001	.0001	.0001	.0001
9	.009	2.2090	2.2090	2.2016	2.2016	4.3338	1.3558
10	.010	7.1231	7.1231	7.1128	7.1128	4.1046	1.1087
11	.011	1.4016	1.4016	1.3942	1.3942	2.6641	.9211
12	.012	.2169	.2169	.2095	.2095	.3981	.1368
13	.013	.1188	.1188	.1114	.1114	.2107	.0728
14	.014	.0644	.0644	.0570	.0570	.1246	.0428
15	.015	.0340	.0340	.0266	.0266	.0515	.0178
16	.016	.0265	.0265	.0191	.0191	.0272	.0130
17	.017	.0265	.0265	.0191	.0191	.0272	.0130
18	.018	.1235	.1235	.1161	.1161	.1322	.0842
19	.019	.2467	.2467	.2393	.2393	.2507	.1790
20	.020	.3250	.3250	.3176	.3176	.3300	.2482
21	.021	.3389	.3389	.3316	.3316	.3450	.2708
22	.022	.4419	.4419	.4345	.4345	.4475	.3714
23	.023	.4890	.4890	.4816	.4816	.4946	.4320
24	.024	.4957	.4957	.4883	.4883	.5013	.4387
25	.025	.2944	.2944	.2870	.2870	.3000	.2480
26	.026	.1467	.1467	.1394	.1394	.1425	.1080
27	.027	.1394	.1394	.1321	.1321	.1352	.1011
28	.028	.1635	.1635	.1561	.1561	.1593	.1180
29	.029	.1840	.1840	.1766	.1766	.1798	.1345
30	.030	.0790	.0790	.0716	.0716	.0748	.0513
31	.031	.0790	.0790	.0716	.0716	.0748	.0513
32	.032	.0341	.0341	.0268	.0268	.0299	.0242
33	.033	.0444	.0444	.0370	.0370	.0399	.0341
34	.034	.0444	.0444	.0370	.0370	.0399	.0341
35	.035	.0211	.0211	.0137	.0137	.0166	.0129
36	.036	.0146	.0146	.0072	.0072	.0099	.0084
37	.037	.0196	.0196	.0122	.0122	.0149	.0129
38	.038	.0211	.0211	.0137	.0137	.0166	.0129
39	.039	.0117	.0117	.0043	.0043	.0069	.0054
40	.040	.0167	.0167	.0093	.0093	.0119	.0099
41	.041	.0128	.0128	.0054	.0054	.0079	.0064
42	.042	.0107	.0107	.0045	.0045	.0069	.0054
43	.043	.0142	.0142	.0080	.0080	.0106	.0086
44	.044	.0161	.0161	.0095	.0095	.0121	.0101
45	.045	.0109	.0109	.0042	.0042	.0068	.0053
46	.046	.0071	.0071	.0028	.0028	.0054	.0048
47	.047	.0081	.0081	.0033	.0033	.0059	.0053
48	.048	.0072	.0072	.0028	.0028	.0054	.0048
49	.049	.0064	.0064	.0023	.0023	.0049	.0043
50	.050	.0069	.0069	.0028	.0028	.0054	.0048
51	.051	.0060	.0060	.0023	.0023	.0049	.0043
52	.052	.0048	.0048	.0020	.0020	.0045	.0040
53	.053	.0049	.0049	.0021	.0021	.0046	.0041
54	.054	.0058	.0058	.0028	.0028	.0054	.0048
55	.055	.0049	.0049	.0021	.0021	.0046	.0041
56	.056	.0057	.0057	.0029	.0029	.0055	.0050
57	.057	.0053	.0053	.0025	.0025	.0051	.0046
58	.058	.0053	.0053	.0025	.0025	.0051	.0046
59	.059	.0105	.0105	.0088	.0088	.0120	.0097
60	.060	.0138	.0138	.0121	.0121	.0159	.0126



SPECTRA HINDCASTING OCTOBER 11, 1942 DIGITIZED BY JONES HOPKINS LAB.

DATE = 10/11/42		AV. T. = 8.2		RECORD = JH 2			
HOUR = 9		SIG. MET. = 13.4		UPPER MET. = 16.1			
TOTAL DF = 201		CORR. VAR. = 16.1		LOWER MET. = 13.3			
		NOISE LEVEL = .0501		WIND SPEED = 35			
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.0422	.0422	.0371	.0371	.0484	.0236
1	.001	.0302	.0302	.0258	.0258	.0344	.0164
2	.002	.0206	.0206	.0165	.0165	.0212	.0104
3	.003	.0130	.0130	.0095	.0095	.0124	.0062
4	.004	.0071	.0071	.0056	.0056	.0072	.0037
5	.005	.0040	.0040	.0029	.0029	.0037	.0021
6	.006	.0023	.0023	.0016	.0016	.0021	.0013
7	.007	.0015	.0015	.0010	.0010	.0013	.0008
8	.008	.0011	.0011	.0007	.0007	.0009	.0005
9	.009	.0008	.0008	.0005	.0005	.0007	.0004
10	.010	1.2183	1.2183	1.2130	1.2130	2.3766	.8210
11	.011	1.1751	1.1751	1.1700	1.1700	2.2373	.7700
12	.012	.7490	.7490	.7439	.7439	1.4064	.4936
13	.013	.4315	.4315	.4264	.4264	.8084	.2788
14	.014	.1922	.1922	.1871	.1871	.3884	.1273
15	.015	.1170	.1170	.1120	.1120	.2170	.0750
16	.016	.0644	.0644	.0594	.0594	.1271	.0465
17	.017	.0396	.0396	.0346	.0346	.0773	.0269
18	.018	.0375	.0375	.0324	.0324	.0743	.0252
19	.019	.4837	.4837	.4786	.4786	.9550	.3507
20	.020	.5378	.5378	.5327	.5327	1.0598	.4179
21	.021	.5909	.5909	.5858	.5858	1.1646	.4781
22	.022	.6440	.6440	.6389	.6389	1.2694	.5383
23	.023	.6971	.6971	.6920	.6920	1.3742	.5985
24	.024	.7502	.7502	.7451	.7451	1.4790	.6587
25	.025	.8033	.8033	.7982	.7982	1.5838	.7189
26	.026	.8564	.8564	.8513	.8513	1.6886	.7791
27	.027	.9095	.9095	.9044	.9044	1.7934	.8393
28	.028	.9626	.9626	.9575	.9575	1.8982	.8995
29	.029	1.0157	1.0157	1.0106	1.0106	2.0030	.9597
30	.030	1.0688	1.0688	1.0637	1.0637	2.1078	.1019
31	.031	.0720	.0720	.0670	.0670	.0870	.0430
32	.032	.0720	.0720	.0670	.0670	.0870	.0430
33	.033	.0371	.0371	.0321	.0321	.0421	.0181
34	.034	.0371	.0371	.0321	.0321	.0421	.0181
35	.035	.0176	.0176	.0126	.0126	.0176	.0086
36	.036	.0176	.0176	.0126	.0126	.0176	.0086
37	.037	.0248	.0248	.0198	.0198	.0248	.0128
38	.038	.0248	.0248	.0198	.0198	.0248	.0128
39	.039	.0136	.0136	.0086	.0086	.0136	.0066
40	.040	.0136	.0136	.0086	.0086	.0136	.0066
41	.041	.0287	.0287	.0237	.0237	.0287	.0147
42	.042	.0287	.0287	.0237	.0237	.0287	.0147
43	.043	.0154	.0154	.0104	.0104	.0154	.0074
44	.044	.0154	.0154	.0104	.0104	.0154	.0074
45	.045	.0069	.0069	.0044	.0044	.0069	.0034
46	.046	.0069	.0069	.0044	.0044	.0069	.0034
47	.047	.0069	.0069	.0044	.0044	.0069	.0034
48	.048	.0069	.0069	.0044	.0044	.0069	.0034
49	.049	.0069	.0069	.0044	.0044	.0069	.0034
50	.050	.0069	.0069	.0044	.0044	.0069	.0034
51	.051	.0069	.0069	.0044	.0044	.0069	.0034
52	.052	.0069	.0069	.0044	.0044	.0069	.0034
53	.053	.0069	.0069	.0044	.0044	.0069	.0034
54	.054	.0069	.0069	.0044	.0044	.0069	.0034
55	.055	.0069	.0069	.0044	.0044	.0069	.0034
56	.056	.0069	.0069	.0044	.0044	.0069	.0034
57	.057	.0069	.0069	.0044	.0044	.0069	.0034
58	.058	.0069	.0069	.0044	.0044	.0069	.0034
59	.059	.0069	.0069	.0044	.0044	.0069	.0034
60	.060	.0069	.0069	.0044	.0044	.0069	.0034







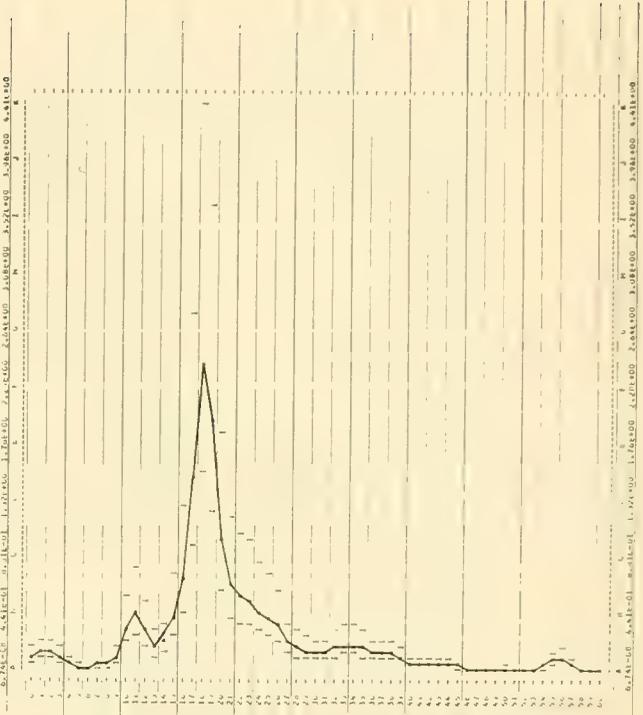


SPECTRA MEASURING OCTUBER 11, 1962 DIGITIZED BY JAMES HOPKINS LAB.

DATE = 11/17/59 SIGMA = 13.7 RECD = JM 4  
 CURR = 18 COUN. RATE = 13.4  
 TICAL LP = 100 NOISE LEVEL = .0093 WIND SPEED = 35

W	FAC.	UNIT#F1.2	FILTERED	LESS ACISL	LOHR.F1.2	UPPER	LOWER
0	.0000	.0000	.0000	.0000	.0000	.1580	.0566
1	.0000	.1070	.1070	.1070	.1070	.2180	.0753
2	.0011	.1304	.1304	.1271	.1271	.2343	.0810
3	.0017	.1504	.1504	.1422	.1422	.2489	.0867
4	.0022	.1684	.1684	.1591	.1591	.2609	.0916
5	.0028	.1842	.1842	.1733	.1733	.2709	.0959
6	.0033	.1976	.1976	.1852	.1852	.2790	.0997
7	.0039	.2096	.2096	.1942	.1942	.2850	.1030
8	.0044	.2204	.2204	.2073	.2073	.2890	.1058
9	.0048	.2300	.2300	.2163	.2163	.2910	.1084
10	.0052	.2384	.2384	.2232	.2232	.2920	.1108
11	.0056	.2456	.2456	.2292	.2292	.2920	.1128
12	.0060	.2516	.2516	.2342	.2342	.2910	.1144
13	.0064	.2564	.2564	.2382	.2382	.2890	.1158
14	.0068	.2600	.2600	.2412	.2412	.2870	.1170
15	.0072	.2636	.2636	.2432	.2432	.2850	.1180
16	.0076	.2664	.2664	.2442	.2442	.2830	.1188
17	.0080	.2692	.2692	.2442	.2442	.2810	.1194
18	.0084	.2716	.2716	.2432	.2432	.2790	.1198
19	.0088	.2736	.2736	.2412	.2412	.2770	.1200
20	.0092	.2752	.2752	.2382	.2382	.2750	.1200
21	.0096	.2764	.2764	.2342	.2342	.2730	.1198
22	.0100	.2772	.2772	.2292	.2292	.2710	.1194
23	.0104	.2776	.2776	.2232	.2232	.2690	.1188
24	.0108	.2776	.2776	.2162	.2162	.2670	.1180
25	.0112	.2772	.2772	.2082	.2082	.2650	.1170
26	.0116	.2764	.2764	.1992	.1992	.2630	.1158
27	.0120	.2752	.2752	.1892	.1892	.2610	.1144
28	.0124	.2736	.2736	.1782	.1782	.2590	.1128
29	.0128	.2716	.2716	.1662	.1662	.2570	.1110
30	.0132	.2692	.2692	.1532	.1532	.2550	.1090
31	.0136	.2664	.2664	.1392	.1392	.2530	.1068
32	.0140	.2636	.2636	.1242	.1242	.2510	.1044
33	.0144	.2600	.2600	.1082	.1082	.2490	.1018
34	.0148	.2564	.2564	.0912	.0912	.2470	.0990
35	.0152	.2528	.2528	.0732	.0732	.2450	.0960
36	.0156	.2492	.2492	.0542	.0542	.2430	.0930
37	.0160	.2456	.2456	.0342	.0342	.2410	.0898
38	.0164	.2420	.2420	.0132	.0132	.2390	.0864
39	.0168	.2384	.2384	.0000	.0000	.2370	.0828
40	.0172	.2348	.2348	.0000	.0000	.2350	.0790
41	.0176	.2312	.2312	.0000	.0000	.2330	.0750
42	.0180	.2276	.2276	.0000	.0000	.2310	.0708
43	.0184	.2240	.2240	.0000	.0000	.2290	.0664
44	.0188	.2204	.2204	.0000	.0000	.2270	.0618
45	.0192	.2168	.2168	.0000	.0000	.2250	.0570
46	.0196	.2132	.2132	.0000	.0000	.2230	.0520
47	.0200	.2096	.2096	.0000	.0000	.2210	.0468
48	.0204	.2060	.2060	.0000	.0000	.2190	.0414
49	.0208	.2024	.2024	.0000	.0000	.2170	.0358
50	.0212	.1988	.1988	.0000	.0000	.2150	.0298
51	.0216	.1952	.1952	.0000	.0000	.2130	.0236
52	.0220	.1916	.1916	.0000	.0000	.2110	.0172
53	.0224	.1880	.1880	.0000	.0000	.2090	.0106
54	.0228	.1844	.1844	.0000	.0000	.2070	.0038
55	.0232	.1808	.1808	.0000	.0000	.2050	.0000
56	.0236	.1772	.1772	.0000	.0000	.2030	.0000
57	.0240	.1736	.1736	.0000	.0000	.2010	.0000
58	.0244	.1700	.1700	.0000	.0000	.1990	.0000
59	.0248	.1664	.1664	.0000	.0000	.1970	.0000
60	.0252	.1628	.1628	.0000	.0000	.1950	.0000

DATE = 11/17/59 SIGMA = 13.7 RECD = JM 4  
 CURR = 18 COUN. RATE = 13.4  
 TICAL LP = 100 NOISE LEVEL = .0093 WIND SPEED = 35

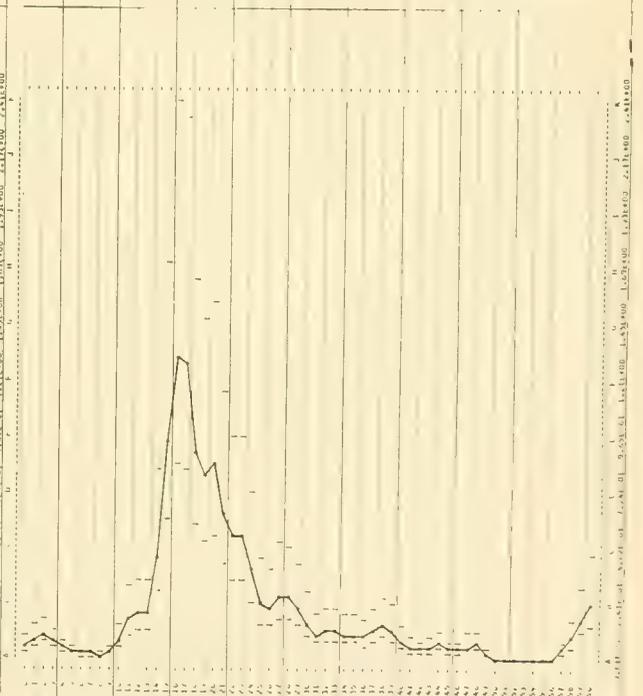


SPECTRA MEASURING OCTUBER 11, 1962 DIGITIZED BY JAMES HOPKINS LAB.

DATE = 11/17/59 SIGMA = 14.5 RECD = JM 5  
 CURR = 18 COUN. RATE = 13.1  
 TICAL LP = 204 NOISE LEVEL = .0102 WIND SPEED = 30

W	FAC.	UNIT#F1.2	FILTERED	LESS ACISL	LOHR.F1.2	UPPER	LOWER
0	.0000	.0000	.0000	.0000	.0000	.1880	.0304
1	.0000	.0000	.0000	.0000	.0000	.1880	.0304
2	.0011	.1062	.1062	.1062	.1062	.2480	.0811
3	.0017	.1272	.1272	.1272	.1272	.2637	.0844
4	.0022	.1452	.1452	.1452	.1452	.2772	.0874
5	.0028	.1608	.1608	.1608	.1608	.2880	.0900
6	.0033	.1740	.1740	.1740	.1740	.2964	.0924
7	.0039	.1848	.1848	.1848	.1848	.3024	.0944
8	.0044	.1932	.1932	.1932	.1932	.3060	.0960
9	.0048	.2004	.2004	.2004	.2004	.3084	.0972
10	.0052	.2064	.2064	.2064	.2064	.3104	.0980
11	.0056	.2112	.2112	.2112	.2112	.3120	.0984
12	.0060	.2156	.2156	.2156	.2156	.3132	.0988
13	.0064	.2196	.2196	.2196	.2196	.3140	.0990
14	.0068	.2232	.2232	.2232	.2232	.3144	.0992
15	.0072	.2264	.2264	.2264	.2264	.3144	.0992
16	.0076	.2292	.2292	.2292	.2292	.3140	.0990
17	.0080	.2316	.2316	.2316	.2316	.3136	.0988
18	.0084	.2336	.2336	.2336	.2336	.3130	.0984
19	.0088	.2352	.2352	.2352	.2352	.3120	.0978
20	.0092	.2364	.2364	.2364	.2364	.3110	.0970
21	.0096	.2372	.2372	.2372	.2372	.3100	.0960
22	.0100	.2376	.2376	.2376	.2376	.3090	.0950
23	.0104	.2376	.2376	.2376	.2376	.3080	.0940
24	.0108	.2372	.2372	.2372	.2372	.3070	.0930
25	.0112	.2364	.2364	.2364	.2364	.3060	.0920
26	.0116	.2352	.2352	.2352	.2352	.3050	.0910
27	.0120	.2336	.2336	.2336	.2336	.3040	.0900
28	.0124	.2316	.2316	.2316	.2316	.3030	.0890
29	.0128	.2292	.2292	.2292	.2292	.3020	.0880
30	.0132	.2264	.2264	.2264	.2264	.3010	.0870
31	.0136	.2236	.2236	.2236	.2236	.3000	.0860
32	.0140	.2208	.2208	.2208	.2208	.2990	.0850
33	.0144	.2180	.2180	.2180	.2180	.2980	.0840
34	.0148	.2152	.2152	.2152	.2152	.2970	.0830
35	.0152	.2124	.2124	.2124	.2124	.2960	.0820
36	.0156	.2096	.2096	.2096	.2096	.2950	.0810
37	.0160	.2068	.2068	.2068	.2068	.2940	.0800
38	.0164	.2040	.2040	.2040	.2040	.2930	.0790
39	.0168	.2012	.2012	.2012	.2012	.2920	.0780
40	.0172	.1984	.1984	.1984	.1984	.2910	.0770
41	.0176	.1956	.1956	.1956	.1956	.2900	.0760
42	.0180	.1928	.1928	.1928	.1928	.2890	.0750
43	.0184	.1900	.1900	.1900	.1900	.2880	.0740
44	.0188	.1872	.1872	.1872	.1872	.2870	.0730
45	.0192	.1844	.1844	.1844	.1844	.2860	.0720
46	.0196	.1816	.1816	.1816	.1816	.2850	.0710
47	.0200	.1788	.1788	.1788	.1788	.2840	.0700
48	.0204	.1760	.1760	.1760	.1760	.2830	.0690
49	.0208	.1732	.1732	.1732	.1732	.2820	.0680
50	.0212	.1704	.1704	.1704	.1704	.2810	.0670
51	.0216	.1676	.1676	.1676	.1676	.2800	.0660
52	.0220	.1648	.1648	.1648	.1648	.2790	.0650
53	.0224	.1620	.1620	.1620	.1620	.2780	.0640
54	.0228	.1592	.1592	.1592	.1592	.2770	.0630
55	.0232	.1564	.1564	.1564	.1564	.2760	.0620
56	.0236	.1536	.1536	.1536	.1536	.2750	.0610
57	.0240	.1508	.1508	.1508	.1508	.2740	.0600
58	.0244	.1480	.1480	.1480	.1480	.2730	.0590
59	.0248	.1452	.1452	.1452	.1452	.2720	.0580
60	.0252	.1424	.1424	.1424	.1424	.2710	.0570

DATE = 11/17/59 SIGMA = 14.5 RECD = JM 5  
 CURR = 18 COUN. RATE = 13.1  
 TICAL LP = 204 NOISE LEVEL = .0102 WIND SPEED = 30

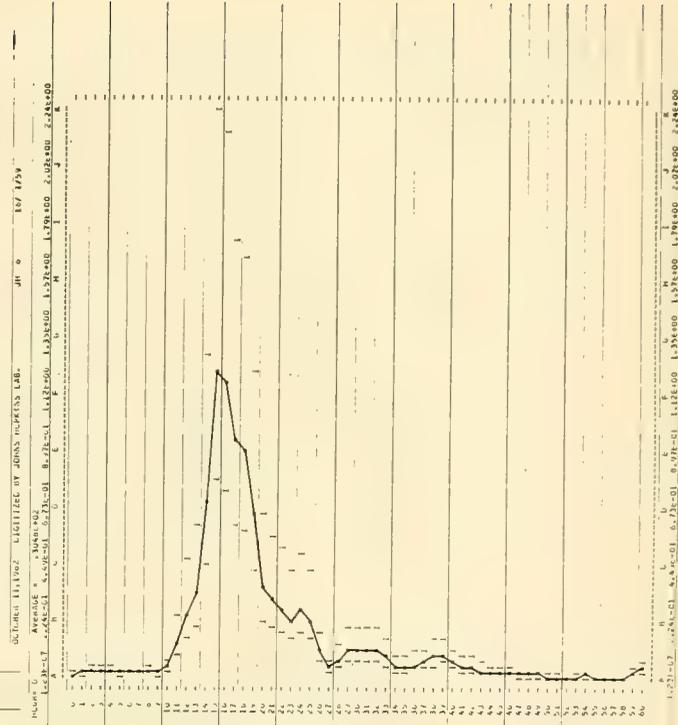




SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 10/11/62 AV. I = 12.5 RECLD = JM 6  
 MUM = 100 SIG.MF. = 0 CURR. VAR. = 9.7 WIND SPEED = 25  
 TOTAL CF = 151 NOISE LEVEL = 0.000

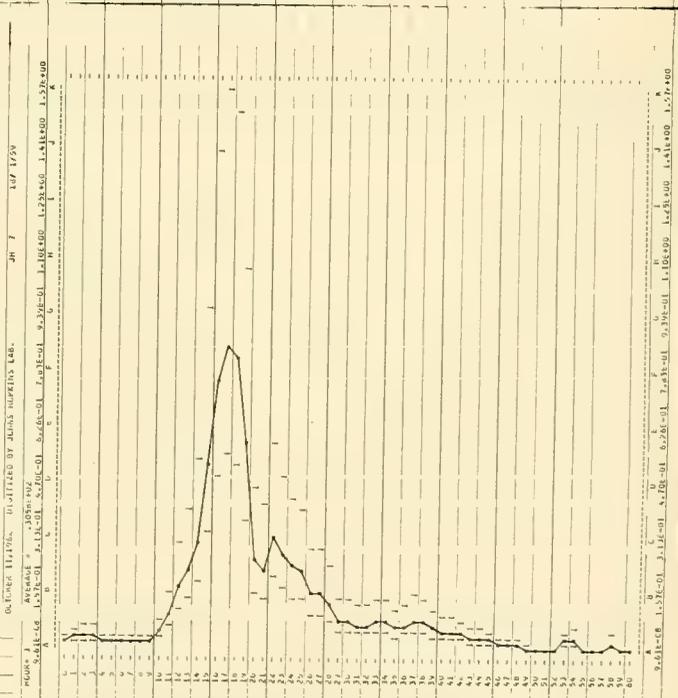
N	FREQ.	UNFITTED	FILTERED	LESS NOISE	LOW-FIT	UPPER	LOWER
0	0.000	0.029	0.029	0.000	0.000	0.050	0.050
1	0.004	0.050	0.050	0.000	0.000	0.070	0.070
2	0.011	0.100	0.100	0.000	0.000	0.150	0.150
3	0.017	0.200	0.200	0.000	0.000	0.300	0.300
4	0.024	0.400	0.400	0.000	0.000	0.600	0.600
5	0.030	0.800	0.800	0.000	0.000	1.200	1.200
6	0.037	1.600	1.600	0.000	0.000	2.400	2.400
7	0.044	3.200	3.200	0.000	0.000	4.800	4.800
8	0.050	6.400	6.400	0.000	0.000	9.600	9.600
9	0.057	12.800	12.800	0.000	0.000	19.200	19.200
10	0.064	25.600	25.600	0.000	0.000	38.400	38.400
11	0.070	51.200	51.200	0.000	0.000	76.800	76.800
12	0.077	102.400	102.400	0.000	0.000	153.600	153.600
13	0.084	204.800	204.800	0.000	0.000	307.200	307.200
14	0.090	409.600	409.600	0.000	0.000	614.400	614.400
15	0.097	819.200	819.200	0.000	0.000	1228.800	1228.800
16	0.104	1638.400	1638.400	0.000	0.000	2457.600	2457.600
17	0.110	3276.800	3276.800	0.000	0.000	4915.200	4915.200
18	0.117	6553.600	6553.600	0.000	0.000	9830.400	9830.400
19	0.124	13107.200	13107.200	0.000	0.000	19660.800	19660.800
20	0.130	26214.400	26214.400	0.000	0.000	39321.600	39321.600
21	0.137	52428.800	52428.800	0.000	0.000	78643.200	78643.200
22	0.144	104857.600	104857.600	0.000	0.000	157286.400	157286.400
23	0.150	209715.200	209715.200	0.000	0.000	314572.800	314572.800
24	0.157	419430.400	419430.400	0.000	0.000	629145.600	629145.600
25	0.164	838860.800	838860.800	0.000	0.000	1258291.200	1258291.200
26	0.170	1677721.600	1677721.600	0.000	0.000	2516582.400	2516582.400
27	0.177	3355443.200	3355443.200	0.000	0.000	5033164.800	5033164.800
28	0.184	6710886.400	6710886.400	0.000	0.000	10066329.600	10066329.600
29	0.190	13421772.800	13421772.800	0.000	0.000	20132659.200	20132659.200
30	0.197	26843545.600	26843545.600	0.000	0.000	40265318.400	40265318.400
31	0.204	53687091.200	53687091.200	0.000	0.000	80530636.800	80530636.800
32	0.210	107374182.400	107374182.400	0.000	0.000	161061273.600	161061273.600
33	0.217	214748364.800	214748364.800	0.000	0.000	322122547.200	322122547.200
34	0.224	429496729.600	429496729.600	0.000	0.000	644245094.400	644245094.400
35	0.230	858993459.200	858993459.200	0.000	0.000	1288490188.800	1288490188.800
36	0.237	1717986918.400	1717986918.400	0.000	0.000	2576980377.600	2576980377.600
37	0.244	3435973836.800	3435973836.800	0.000	0.000	5153960755.200	5153960755.200
38	0.250	6871947673.600	6871947673.600	0.000	0.000	10307921510.400	10307921510.400
39	0.257	13743895347.200	13743895347.200	0.000	0.000	20615843020.800	20615843020.800
40	0.264	27487790694.400	27487790694.400	0.000	0.000	41231686041.600	41231686041.600
41	0.270	54975581388.800	54975581388.800	0.000	0.000	82463372083.200	82463372083.200
42	0.277	109951162777.600	109951162777.600	0.000	0.000	164926744166.400	164926744166.400
43	0.284	219902325555.200	219902325555.200	0.000	0.000	329853488332.800	329853488332.800
44	0.290	439804651110.400	439804651110.400	0.000	0.000	659706976625.600	659706976625.600
45	0.297	879609302220.800	879609302220.800	0.000	0.000	1319413953251.200	1319413953251.200
46	0.304	1759218604441.600	1759218604441.600	0.000	0.000	2638827906502.400	2638827906502.400
47	0.310	3518437208883.200	3518437208883.200	0.000	0.000	5277655813004.800	5277655813004.800
48	0.317	7036874417766.400	7036874417766.400	0.000	0.000	10555311626009.600	10555311626009.600
49	0.324	14073748835532.800	14073748835532.800	0.000	0.000	21110623252019.200	21110623252019.200
50	0.330	28147497671065.600	28147497671065.600	0.000	0.000	42221246504038.400	42221246504038.400



SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 10/11/62 AV. I = 11.6 RECLD = JM 7  
 MUM = 3 SIG.MF. = 11.6 CURR. VAR. = 12.6 WIND SPEED = 20  
 TOTAL CF = 178 NOISE LEVEL = 0.000

N	FREQ.	UNFITTED	FILTERED	LESS NOISE	LOW-FIT	UPPER	LOWER
0	0.000	0.011	0.011	0.000	0.000	0.020	0.020
1	0.006	0.020	0.020	0.000	0.000	0.040	0.040
2	0.011	0.040	0.040	0.000	0.000	0.080	0.080
3	0.017	0.080	0.080	0.000	0.000	0.160	0.160
4	0.024	0.160	0.160	0.000	0.000	0.320	0.320
5	0.030	0.320	0.320	0.000	0.000	0.640	0.640
6	0.037	0.640	0.640	0.000	0.000	1.280	1.280
7	0.044	1.280	1.280	0.000	0.000	2.560	2.560
8	0.050	2.560	2.560	0.000	0.000	5.120	5.120
9	0.057	5.120	5.120	0.000	0.000	10.240	10.240
10	0.064	10.240	10.240	0.000	0.000	20.480	20.480
11	0.070	20.480	20.480	0.000	0.000	40.960	40.960
12	0.077	40.960	40.960	0.000	0.000	81.920	81.920
13	0.084	81.920	81.920	0.000	0.000	163.840	163.840
14	0.090	163.840	163.840	0.000	0.000	327.680	327.680
15	0.097	327.680	327.680	0.000	0.000	655.360	655.360
16	0.104	655.360	655.360	0.000	0.000	1310.720	1310.720
17	0.110	1310.720	1310.720	0.000	0.000	2621.440	2621.440
18	0.117	2621.440	2621.440	0.000	0.000	5242.880	5242.880
19	0.124	5242.880	5242.880	0.000	0.000	10485.760	10485.760
20	0.130	10485.760	10485.760	0.000	0.000	20971.520	20971.520
21	0.137	20971.520	20971.520	0.000	0.000	41943.040	41943.040
22	0.144	41943.040	41943.040	0.000	0.000	83886.080	83886.080
23	0.150	83886.080	83886.080	0.000	0.000	167772.160	167772.160
24	0.157	167772.160	167772.160	0.000	0.000	335544.320	335544.320
25	0.164	335544.320	335544.320	0.000	0.000	671088.640	671088.640
26	0.170	671088.640	671088.640	0.000	0.000	1342177.280	1342177.280
27	0.177	1342177.280	1342177.280	0.000	0.000	2684354.560	2684354.560
28	0.184	2684354.560	2684354.560	0.000	0.000	5368709.120	5368709.120
29	0.190	5368709.120	5368709.120	0.000	0.000	10737418.240	10737418.240
30	0.197	10737418.240	10737418.240	0.000	0.000	21474836.480	21474836.480
31	0.204	21474836.480	21474836.480	0.000	0.000	42949672.960	42949672.960
32	0.210	42949672.960	42949672.960	0.000	0.000	85899345.920	85899345.920
33	0.217	85899345.920	85899345.920	0.000	0.000	171798691.840	171798691.840
34	0.224	171798691.840	171798691.840	0.000	0.000	343597383.680	343597383.680
35	0.230	343597383.680	343597383.680	0.000	0.000	687194767.360	687194767.360
36	0.237	687194767.360	687194767.360	0.000	0.000	1374389534.720	1374389534.720
37	0.244	1374389534.720	1374389534.720	0.000	0.000	2748779069.440	2748779069.440
38	0.250	2748779069.440	2748779069.440	0.000	0.000	5497558138.880	5497558138.880
39	0.257	5497558138.880	5497558138.880	0.000	0.000	10995116277.760	10995116277.760
40	0.264	10995116277.760	10995116277.760	0.000	0.000	21990232555.520	21990232555.520
41	0.270	21990232555.520	21990232555.520	0.000	0.000	43980465111.040	43980465111.040
42	0.277	43980465111.040	43980465111.040	0.000	0.000	87960930222.080	87960930222.080
43	0.284	87960930222.080	87960930222.080	0.000	0.000	175921860444.160	175921860444.160
44	0.290	175921860444.160	175921860444.160	0.000	0.000	351843720888.320	351843720888.320
45	0.297	351843720888.320	351843720888.320	0.000	0.000	703687441776.640	703687441776.640
46	0.304	703687441776.640	703687441776.640	0.000	0.000	1407374883553.280	1407374883553.280
47	0.310	1407374883553.280	1407374883553.280	0.000	0.000	28147497671065.600	28147497671065.600
48	0.317	28147497671065.600	28147497671065.600	0.000	0.000	56294995342131.200	56294995342131.200
49	0.324	56294995342131.200	56294995342131.200	0.000	0.000	112589990684262.400	112589990684262.400
50	0.330	112589990684262.400	112589990684262.400	0.000	0.000	225179981368524.800	225179981368524.800



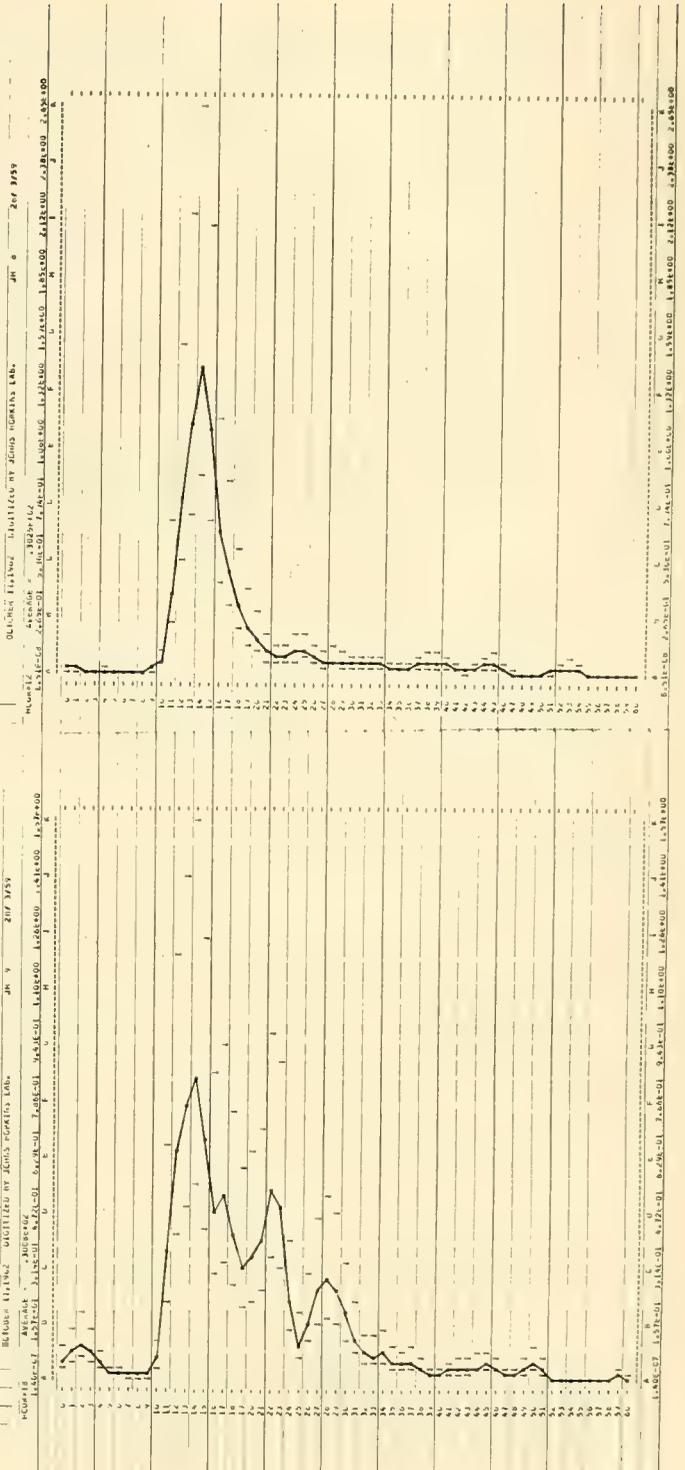


SPECTRA HANDLING OCTUBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/3/59		WAVELENGTH		WAVELENGTH		WAVELENGTH		WAVELENGTH	
MCA # 12		SIGNAL # 116		SIGNAL # 116		SIGNAL # 116		SIGNAL # 116	
TOTAL DT = 100		GAIN VAR. = 8		GAIN VAR. = 8		GAIN VAR. = 8		GAIN VAR. = 8	
N	PAR.	UNIT#1-2	FILTERED	LESS ACISE	CORR.F1-2	UPPER	LOWER		
0	000	0187	0187	0180	0180	0275	0302		
1	006	0160	0160	0133	0133	0244	0265		
2	011	0099	0099	0072	0072	0132	0146		
3	017	0041	0041	0004	0004	0117	0121		
4	022	0099	0099	0072	0072	0132	0146		
5	028	0088	0088	0071	0071	0132	0146		
6	033	0061	0061	0034	0034	0099	0104		
7	039	0063	0063	0036	0036	0099	0104		
8	044	0060	0060	0033	0033	0099	0104		
9	050	0187	0187	0170	0170	0244	0265		
10	056	0086	0086	0059	0059	0117	0121		
11	061	0205	0205	0178	0178	0293	0314		
12	067	0089	0089	0062	0062	0121	0126		
13	072	0180	0180	0163	0163	0244	0265		
14	078	0307	0307	0280	0280	0363	0384		
15	084	0180	0180	0163	0163	0244	0265		
16	089	0146	0146	0119	0119	0205	0219		
17	094	0153	0153	0126	0126	0219	0233		
18	100	0015	0015	0008	0008	0041	0046		
19	105	0186	0186	0169	0169	0244	0265		
20	111	0263	0263	0236	0236	0323	0344		
21	117	0177	0177	0160	0160	0219	0233		
22	122	0178	0178	0161	0161	0219	0233		
23	128	0578	0578	0551	0551	0610	0631		
24	133	0174	0174	0157	0157	0219	0233		
25	139	0497	0497	0470	0470	0529	0550		
26	144	0436	0436	0409	0409	0468	0489		
27	150	0315	0315	0288	0288	0347	0368		
28	156	0375	0375	0348	0348	0407	0428		
29	161	0273	0273	0246	0246	0305	0326		
30	167	0274	0274	0247	0247	0305	0326		
31	172	0279	0279	0252	0252	0310	0331		
32	178	0280	0280	0253	0253	0310	0331		
33	183	0182	0182	0155	0155	0220	0241		
34	189	0180	0180	0153	0153	0219	0240		
35	194	0111	0111	0084	0084	0140	0161		
36	200	0101	0101	0074	0074	0130	0151		
37	206	0182	0182	0165	0165	0230	0251		
38	211	0181	0181	0164	0164	0229	0250		
39	217	0181	0181	0164	0164	0229	0250		
40	222	0112	0112	0085	0085	0141	0162		
41	228	0014	0014	0007	0007	0030	0035		
42	233	0024	0024	0017	0017	0041	0046		
43	239	0057	0057	0030	0030	0089	0110		
44	244	0116	0116	0089	0089	0140	0161		
45	250	0059	0059	0032	0032	0091	0112		
46	256	0051	0051	0024	0024	0081	0102		
47	261	0093	0093	0066	0066	0120	0141		
48	267	0079	0079	0052	0052	0106	0127		
49	272	0077	0077	0050	0050	0104	0125		
50	278	0024	0024	0017	0017	0029	0034		
51	283	0035	0035	0028	0028	0039	0044		
52	289	0049	0049	0041	0041	0062	0083		
53	294	0047	0047	0040	0040	0060	0081		
54	300	0027	0027	0020	0020	0033	0038		
55	306	0079	0079	0071	0071	0120	0141		
56	311	0041	0041	0034	0034	0050	0071		
57	317	0041	0041	0034	0034	0050	0071		
58	322	0014	0014	0007	0007	0029	0034		
59	328	0011	0011	0004	0004	0020	0025		
60	333	0013	0013	0006	0006	0020	0025		

SPECTRA HANDLING OCTUBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/3/59		WAVELENGTH		WAVELENGTH		WAVELENGTH		WAVELENGTH	
MCA # 12		SIGNAL # 124		SIGNAL # 124		SIGNAL # 124		SIGNAL # 124	
TOTAL DT = 210		GAIN VAR. = 8		GAIN VAR. = 8		GAIN VAR. = 8		GAIN VAR. = 8	
N	PAR.	UNIT#1-2	FILTERED	LESS ACISE	CORR.F1-2	UPPER	LOWER		
0	000	0059	0059	0032	0032	0090	0111		
1	006	0110	0110	0083	0083	0149	0170		
2	011	0105	0105	0078	0078	0144	0165		
3	017	0082	0082	0055	0055	0122	0143		
4	022	0468	0468	0441	0441	0500	0521		
5	028	0213	0213	0186	0186	0244	0265		
6	033	0133	0133	0106	0106	0168	0189		
7	039	0182	0182	0155	0155	0219	0240		
8	044	0138	0138	0111	0111	0170	0191		
9	050	0124	0124	0097	0097	0165	0186		
10	056	0013	0013	0006	0006	0021	0026		
11	061	0400	0400	0373	0373	0432	0453		
12	067	0390	0390	0363	0363	0420	0441		
13	072	0482	0482	0455	0455	0514	0535		
14	078	0284	0284	0257	0257	0316	0337		
15	084	0416	0416	0389	0389	0450	0471		
16	089	0490	0490	0463	0463	0521	0542		
17	094	0306	0306	0279	0279	0340	0361		
18	100	0364	0364	0337	0337	0398	0419		
19	105	0272	0272	0245	0245	0305	0326		
20	111	0287	0287	0260	0260	0316	0337		
21	117	0305	0305	0278	0278	0337	0358		
22	122	0409	0409	0382	0382	0440	0461		
23	128	0464	0464	0437	0437	0498	0519		
24	133	0476	0476	0449	0449	0510	0531		
25	139	0076	0076	0049	0049	0106	0127		
26	144	0101	0101	0074	0074	0130	0151		
27	150	0144	0144	0117	0117	0170	0191		
28	156	0152	0152	0125	0125	0181	0202		
29	161	0107	0107	0080	0080	0126	0147		
30	167	0083	0083	0056	0056	0100	0121		
31	172	0041	0041	0014	0014	0046	0067		
32	178	0040	0040	0013	0013	0045	0066		
33	183	0242	0242	0215	0215	0276	0297		
34	189	0300	0300	0273	0273	0334	0355		
35	194	0200	0200	0173	0173	0234	0255		
36	200	0140	0140	0113	0113	0174	0195		
37	206	0119	0119	0092	0092	0158	0179		
38	211	0132	0132	0105	0105	0170	0191		
39	217	0059	0059	0032	0032	0092	0113		
40	222	0085	0085	0058	0058	0114	0135		
41	228	0090	0090	0063	0063	0119	0140		
42	233	0059	0059	0032	0032	0090	0111		
43	239	0091	0091	0064	0064	0121	0142		
44	244	0044	0044	0017	0017	0048	0069		
45	250	0156	0156	0129	0129	0188	0209		
46	256	0084	0084	0057	0057	0109	0130		
47	261	0059	0059	0032	0032	0091	0112		
48	267	0050	0050	0023	0023	0081	0102		
49	272	0075	0075	0048	0048	0103	0124		
50	278	0086	0086	0059	0059	0114	0135		
51	283	0043	0043	0016	0016	0044	0065		
52	289	0039	0039	0012	0012	0041	0062		
53	294	0041	0041	0014	0014	0046	0067		
54	300	0004	0004	0007	0007	0029	0034		
55	306	0006	0006	0009	0009	0034	0039		
56	311	0024	0024	0017	0017	0029	0034		
57	317	0024	0024	0017	0017	0029	0034		
58	322	0045	0045	0018	0018	0050	0071		
59	328	0048	0048	0021	0021	0053	0074		
60	333	0041	0041	0014	0014	0046	0067		

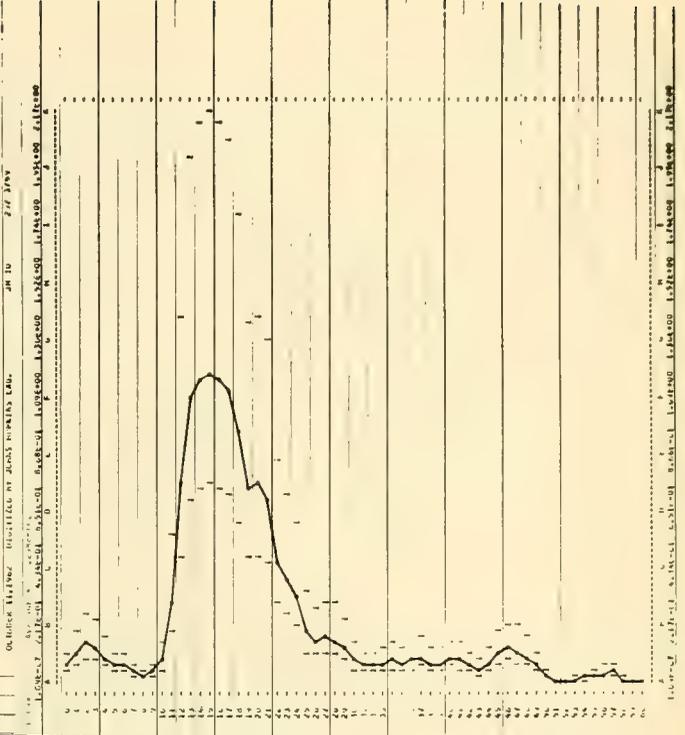




SPECTRA MONITORING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 2/7/52 AV. W. = 13.7 RECORD = JM 10  
 SIG.MET. = 0  
 CORR. VAL. = 13.4  
 NOISE LEVEL = .0000 WIND SPEED = 35

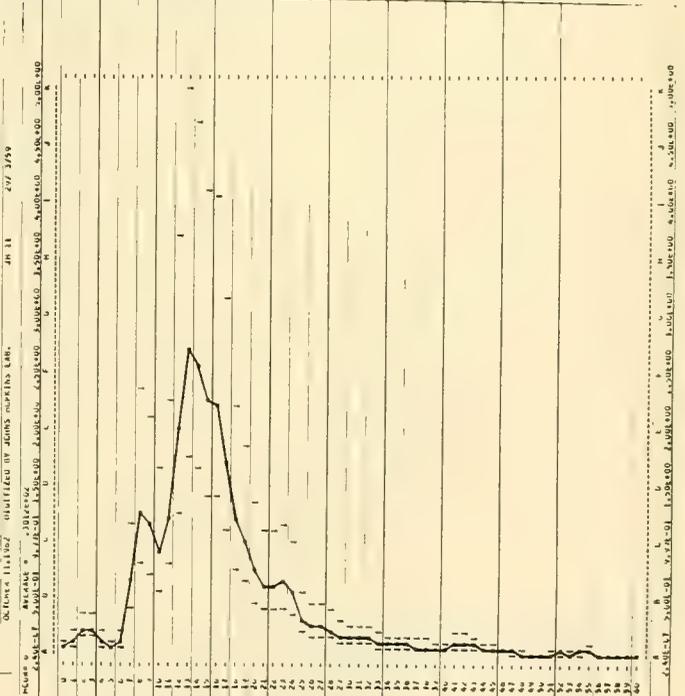
N	FREQ.	UNIT=FT.2	FILTERR	LESS NOISE	LOWR.FT.2	UPPER	LOWR
0	.000	.0451	.0451	.0451	.0451	.1089	.0374
1	.008	.1107	.1107	.1107	.1107	.1750	.0499
2	.011	.1517	.1517	.1517	.1517	.2106	.0574
3	.017	.1307	.1307	.1307	.1307	.2209	.0794
4	.022	.0892	.0892	.0892	.0892	.1719	.0494
5	.028	.0702	.0702	.0702	.0702	.1185	.0409
6	.045	.0445	.0445	.0445	.0445	.0738	.0268
7	.059	.0344	.0344	.0344	.0344	.0701	.0242
8	.066	.0291	.0291	.0292	.0274	.0508	.0174
9	.080	.0287	.0287	.0287	.0281	.0424	.0152
10	.094	.0422	.0422	.0423	.0411	.0494	.0214
11	.098	.3072	.3072	.3072	.3105	.3224	.0877
12	.067	.7433	.7433	.7373	.7363	.13750	.4815
13	.072	1.0208	1.0208	1.0205	1.0782	1.2872	.8865
14	.074	1.1221	1.1221	1.1181	1.1374	2.1292	.7364
15	.083	1.1202	1.1202	1.1202	1.1778	2.1709	.7900
16	.088	1.0001	1.0001	1.0004	1.0328	2.1287	.7303
17	.095	1.0183	1.0183	1.0182	1.1170	2.0588	.7112
18	.100	.8446	.8446	.8446	.9003	1.7700	.6115
19	.106	.8392	.8392	.8322	.7493	1.3755	.4992
20	.111	.6209	.6209	.6149	.7951	1.3018	.4808
21	.117	.5543	.5543	.5484	.7028	1.2095	.4275
22	.122	.3515	.3515	.3455	.4810	.8340	.2853
23	.148	.2853	.2853	.2793	.3580	.7267	.2509
24	.153	.2781	.2781	.2721	.3412	.6811	.2163
25	.159	.1244	.1244	.1184	.1863	.3434	.1184
26	.164	.0884	.0884	.0824	.1225	.2483	.0824
27	.170	.1018	.1018	.0958	.1700	.3134	.1018
28	.174	.0807	.0807	.0747	.1194	.2394	.0807
29	.181	.0488	.0488	.0428	.1211	.2343	.0488
30	.187	.0420	.0420	.0360	.0782	.1441	.0420
31	.192	.0284	.0284	.0224	.0374	.1034	.0284
32	.198	.0288	.0288	.0228	.0374	.1057	.0365
33	.203	.0219	.0219	.0159	.0249	.1294	.0219
34	.209	.0335	.0335	.0275	.0805	.1485	.0335
35	.214	.0274	.0274	.0214	.0703	.1294	.0274
36	.220	.0303	.0303	.0243	.0844	.1544	.0303
37	.226	.0204	.0204	.0144	.0790	.1174	.0204
38	.231	.0222	.0222	.0162	.0474	.1244	.0222
39	.237	.0211	.0211	.0151	.0491	.1273	.0211
40	.242	.0223	.0223	.0163	.0773	.1404	.0223
41	.248	.0204	.0204	.0144	.0772	.1424	.0204
42	.253	.0140	.0140	.0080	.0575	.1000	.0140
43	.259	.0115	.0115	.0055	.0470	.0884	.0115
44	.264	.0153	.0153	.0093	.0492	.1275	.0153
45	.270	.0104	.0104	.0044	.0424	.1092	.0104
46	.276	.0194	.0194	.0134	.1232	.2211	.0194
47	.281	.0117	.0117	.0057	.1132	.2197	.0117
48	.287	.0101	.0101	.0041	.0802	.1754	.0101
49	.292	.0074	.0074	.0014	.0740	.1032	.0074
50	.298	.0072	.0072	.0012	.0515	.0874	.0072
51	.283	.0053	.0053	.0003	.0000	.0000	.0000
52	.289	.0056	.0056	.0006	.0000	.0000	.0000
53	.294	.0085	.0085	.0005	.0000	.0000	.0000
54	.300	.0006	.0006	.0000	.0000	.0295	.0142
55	.306	.0008	.0008	.0000	.0000	.0000	.0000
56	.311	.0007	.0007	.0000	.0000	.0000	.0000
57	.317	.0071	.0071	.0001	.0000	.0000	.0000
58	.322	.0004	.0004	.0000	.0000	.0000	.0000
59	.328	.0004	.0004	.0000	.0000	.0000	.0000
60	.333	.0000	.0000	.0000	.0000	.0000	.0000



SPECTRA MONITORING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 2/7/52 AV. W. = 10.0 RECORD = JM 11  
 SIG.MET. = 21.0  
 CORR. VAL. = 2.64  
 NOISE LEVEL = .0005 WIND SPEED = 35

N	FREQ.	UNIT=FT.2	FILTERR	LESS NOISE	LOWR.FT.2	UPPER	LOWR
0	.000	.0573	.0573	.0578	.0578	.0681	.0304
1	.008	.1134	.1134	.1094	.1094	.1316	.0562
2	.011	.1514	.1514	.1434	.1434	.1744	.0743
3	.017	.1204	.1204	.1194	.1194	.1385	.1273
4	.022	.1083	.1083	.1093	.1093	.1184	.0843
5	.028	.0273	.0273	.0280	.0280	.0385	.0305
6	.033	.0373	.0373	.0378	.0378	.0480	.0400
7	.039	.4978	.4978	.4874	.4874	.11009	.4910
8	.044	1.0483	1.0483	1.0380	1.0380	2.2230	.8024
9	.050	1.0284	1.0284	1.0180	1.0180	2.0884	.7762
10	.054	.8574	.8574	.8470	.8470	1.0013	.5739
11	.061	1.1857	1.1857	1.1762	1.1762	2.4492	.7770
12	.067	1.0975	1.0975	1.0881	1.0881	2.0824	.7270
13	.072	2.0512	2.0512	2.0418	2.0418	4.9058	1.7259
14	.078	2.4374	2.4374	2.4270	2.4270	5.2043	1.8239
15	.083	2.1287	2.1287	2.1172	2.1172	4.1030	1.4874
16	.088	2.0729	2.0729	2.0625	2.0625	4.0441	1.3871
17	.094	1.5594	1.5594	1.5502	1.5502	3.1524	1.0891
18	.100	1.0578	1.0578	1.0483	1.0483	2.1494	.7599
19	.106	.8633	.8633	.8538	1.0080	1.8572	.6414
20	.111	.6010	.6010	.5915	.7204	1.3388	.4625
21	.117	.4800	.4800	.4705	.6091	1.1115	.3840
22	.122	.4578	.4578	.4483	.6010	1.1043	.3832
23	.128	.4533	.4533	.4433	.5807	1.1552	.3991
24	.133	.3481	.3481	.3381	.5332	.9824	.3394
25	.139	.1974	.1974	.1874	.4885	.5314	.1897
26	.144	.1427	.1427	.1327	.4200	.4250	.1464
27	.150	.1400	.1400	.1305	.4272	.4444	.1542
28	.156	.1218	.1218	.1124	.4174	.4104	.1233
29	.161	.0528	.0528	.0523	.1485	.3106	.0528
30	.167	.0482	.0482	.0488	.1274	.2351	.0482
31	.172	.0317	.0317	.0322	.0852	.0925	.0364
32	.178	.0444	.0444	.0454	.1355	.0972	.0489
33	.183	.0470	.0470	.0480	.1046	.1027	.0486
34	.189	.0374	.0374	.0380	.0702	.0730	.0374
35	.194	.0359	.0359	.0365	.0688	.0703	.0360
36	.200	.0283	.0283	.0288	.0486	.0504	.0283
37	.206	.0285	.0285	.0291	.0474	.0494	.0285
38	.211	.0204	.0204	.0210	.0408	.0430	.0211
39	.217	.0197	.0197	.0202	.0469	.0485	.0219
40	.222	.0201	.0201	.0204	.0454	.0484	.0214
41	.228	.0235	.0235	.0238	.0477	.0485	.0235
42	.233	.0295	.0295	.0298	.0437	.0435	.0237
43	.239	.0183	.0183	.0184	.0370	.0372	.0183
44	.244	.0148	.0148	.0149	.0270	.0272	.0148
45	.250	.0142	.0142	.0143	.0253	.0258	.0142
46	.256	.0140	.0140	.0141	.0242	.0245	.0140
47	.261	.0127	.0127	.0128	.0224	.0227	.0126
48	.267	.0107	.0107	.0107	.0214	.0214	.0107
49	.272	.0074	.0074	.0074	.0201	.0207	.0074
50	.278	.0074	.0074	.0074	.0203	.0207	.0074
51	.283	.0109	.0109	.0111	.0195	.0202	.0104
52	.289	.0114	.0114	.0114	.0190	.0204	.0114
53	.294	.0094	.0094	.0094	.0179	.0194	.0094
54	.300	.0108	.0108	.0107	.0173	.0187	.0109
55	.306	.0113	.0113	.0113	.0169	.0183	.0113
56	.311	.0092	.0092	.0092	.0167	.0184	.0094
57	.317	.0074	.0074	.0074	.0160	.0174	.0074
58	.322	.0073	.0073	.0074	.0160	.0174	.0074
59	.328	.0074	.0074	.0074	.0160	.0174	.0074
60	.333	.0000	.0000	.0000	.0160	.0174	.0000





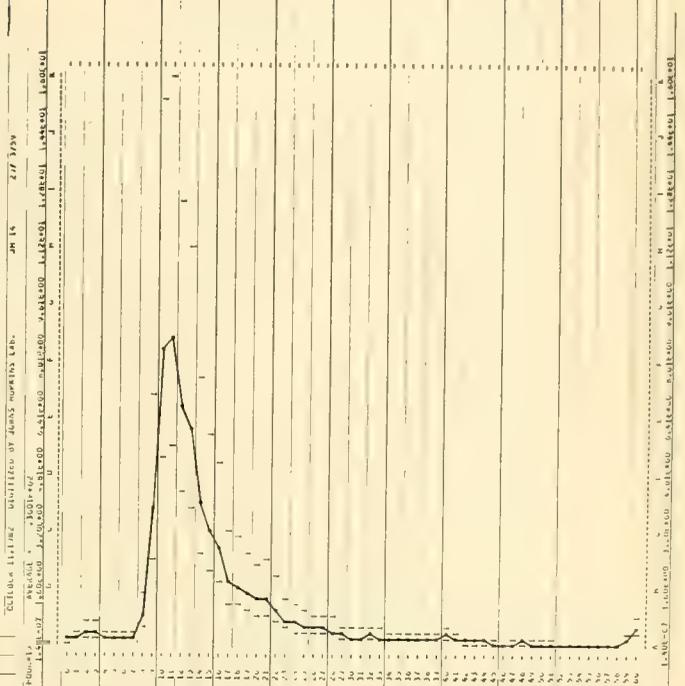




SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 2/7/59      SIG.FCT = 10.3      RECORD = JM 14  
 MLWA = 15      CURR. VOLT = 31.5      WIND SPEED = 30  
 TOTAL WT = 11.0      NOISE LEVEL = -0.018

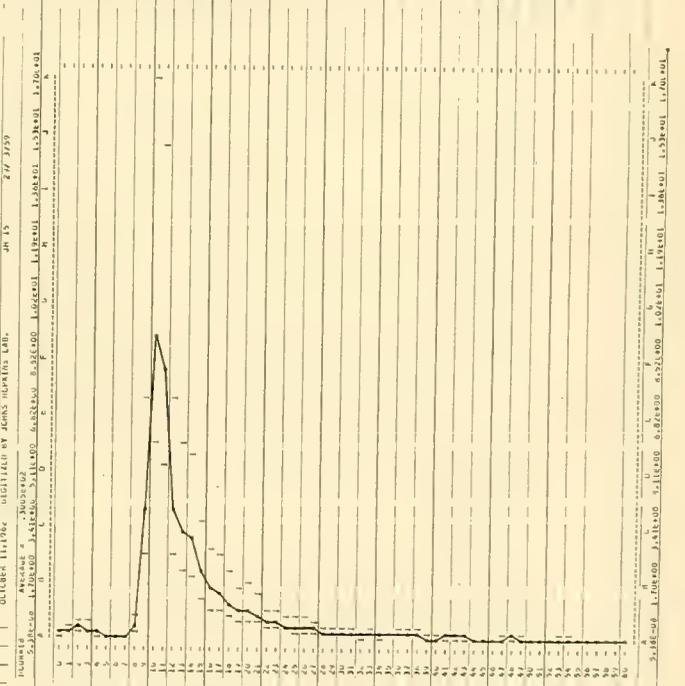
N	FREQ.	UNIT#1 F1.2	FILTERED	LESS NOISE	CORR.F1.2	UPPER	LOWER
0	0.000	-1.091	-1.091	-0.928	-0.928	-1.710	-0.951
1	0.004	-2.236	-2.236	-2.073	-2.073	-3.421	-1.320
2	0.013	-3.572	-3.572	-3.409	-3.409	-5.492	-2.062
3	0.021	-5.018	-5.018	-4.855	-4.855	-8.211	-3.063
4	0.028	-6.577	-6.577	-6.414	-6.414	-11.776	-4.321
5	0.035	-8.250	-8.250	-8.087	-8.087	-16.345	-5.836
6	0.043	-10.037	-10.037	-9.874	-9.874	-22.018	-7.603
7	0.050	-11.938	-11.938	-11.725	-11.725	-28.795	-9.624
8	0.058	-13.953	-13.953	-13.700	-13.700	-36.676	-11.891
9	0.065	-16.082	-16.082	-15.845	-15.845	-45.663	-14.406
10	0.073	-18.325	-18.325	-18.120	-18.120	-55.756	-17.169
11	0.081	-20.682	-20.682	-20.435	-20.435	-67.055	-20.180
12	0.089	-23.153	-23.153	-22.848	-22.848	-79.560	-23.439
13	0.097	-25.738	-25.738	-25.481	-25.481	-93.271	-26.946
14	0.105	-28.437	-28.437	-28.154	-28.154	-108.188	-30.701
15	0.113	-31.250	-31.250	-30.867	-30.867	-124.321	-34.704
16	0.121	-34.177	-34.177	-33.610	-33.610	-141.670	-38.955
17	0.129	-37.218	-37.218	-36.383	-36.383	-160.345	-43.454
18	0.137	-40.373	-40.373	-39.196	-39.196	-180.356	-48.201
19	0.145	-43.642	-43.642	-42.049	-42.049	-201.703	-53.194
20	0.153	-47.025	-47.025	-44.942	-44.942	-224.496	-58.431
21	0.161	-50.522	-50.522	-47.875	-47.875	-248.745	-63.914
22	0.169	-54.133	-54.133	-50.848	-50.848	-274.450	-69.643
23	0.177	-57.858	-57.858	-53.861	-53.861	-301.611	-75.616
24	0.185	-61.697	-61.697	-56.914	-56.914	-330.228	-81.833
25	0.193	-65.650	-65.650	-60.017	-60.017	-360.311	-88.294
26	0.201	-69.717	-69.717	-63.170	-63.170	-391.860	-95.001
27	0.209	-73.900	-73.900	-66.373	-66.373	-424.875	-101.954
28	0.217	-78.199	-78.199	-69.626	-69.626	-459.356	-109.161
29	0.225	-82.614	-82.614	-72.929	-72.929	-495.295	-116.624
30	0.233	-87.145	-87.145	-76.282	-76.282	-532.692	-124.341
31	0.241	-91.792	-91.792	-79.685	-79.685	-571.547	-132.314
32	0.249	-96.555	-96.555	-83.138	-83.138	-611.860	-140.543
33	0.257	-101.434	-101.434	-86.641	-86.641	-653.631	-149.026
34	0.265	-106.429	-106.429	-90.194	-90.194	-696.856	-157.763
35	0.273	-111.540	-111.540	-93.807	-93.807	-741.535	-166.756
36	0.281	-116.767	-116.767	-97.480	-97.480	-787.668	-176.003
37	0.289	-122.110	-122.110	-101.213	-101.213	-835.255	-185.506
38	0.297	-127.569	-127.569	-105.006	-105.006	-884.296	-195.263
39	0.305	-133.144	-133.144	-108.859	-108.859	-934.791	-205.274
40	0.313	-138.835	-138.835	-112.772	-112.772	-986.740	-215.539
41	0.321	-144.642	-144.642	-116.745	-116.745	-1040.143	-226.058
42	0.329	-150.565	-150.565	-120.778	-120.778	-1095.000	-236.831
43	0.337	-156.604	-156.604	-124.871	-124.871	-1151.315	-247.858
44	0.345	-162.759	-162.759	-129.024	-129.024	-1209.088	-259.141
45	0.353	-169.030	-169.030	-133.237	-133.237	-1268.319	-270.674
46	0.361	-175.417	-175.417	-137.510	-137.510	-1329.000	-282.461
47	0.369	-181.920	-181.920	-141.843	-141.843	-1391.131	-294.502
48	0.377	-188.539	-188.539	-146.236	-146.236	-1454.712	-306.803
49	0.385	-195.274	-195.274	-150.689	-150.689	-1520.743	-319.364
50	0.393	-202.125	-202.125	-155.202	-155.202	-1589.224	-332.185



SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 2/7/59      SIG.FCT = 27.2      RECORD = JM 13  
 MLWA = 18      CURR. VOLT = 27.2      WIND SPEED = 30  
 TOTAL WT = 9.9      NOISE LEVEL = -0.018

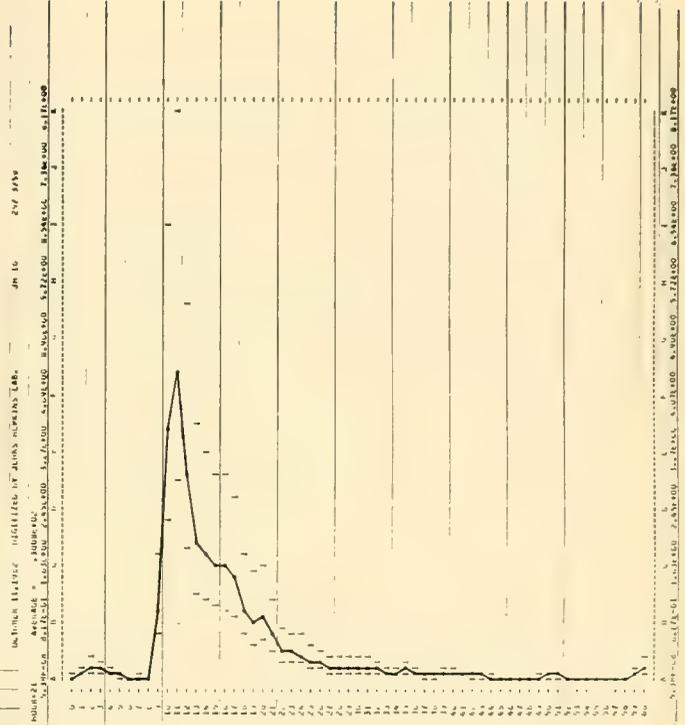
N	FREQ.	UNIT#1 F1.2	FILTERED	LESS NOISE	CORR.F1.2	UPPER	LOWER
0	0.000	-1.079	-1.079	-0.961	-0.961	-1.771	-0.642
1	0.004	-2.261	-2.261	-2.098	-2.098	-3.542	-1.046
2	0.013	-3.647	-3.647	-3.484	-3.484	-5.513	-1.848
3	0.021	-5.162	-5.162	-4.999	-4.999	-8.284	-2.850
4	0.028	-6.807	-6.807	-6.642	-6.642	-12.055	-4.052
5	0.035	-8.582	-8.582	-8.427	-8.427	-16.926	-5.554
6	0.043	-10.487	-10.487	-10.322	-10.322	-22.897	-7.356
7	0.050	-12.522	-12.522	-12.357	-12.357	-29.968	-9.458
8	0.058	-14.687	-14.687	-14.522	-14.522	-38.139	-11.860
9	0.065	-17.082	-17.082	-16.917	-16.917	-47.410	-14.562
10	0.073	-19.707	-19.707	-19.512	-19.512	-57.781	-17.564
11	0.081	-22.562	-22.562	-22.307	-22.307	-69.352	-20.866
12	0.089	-25.647	-25.647	-25.402	-25.402	-82.123	-24.468
13	0.097	-28.962	-28.962	-28.597	-28.597	-96.194	-28.370
14	0.105	-32.507	-32.507	-32.192	-32.192	-111.565	-32.572
15	0.113	-36.282	-36.282	-35.787	-35.787	-128.236	-37.074
16	0.121	-40.287	-40.287	-39.382	-39.382	-146.307	-41.876
17	0.129	-44.522	-44.522	-42.977	-42.977	-165.778	-46.978
18	0.137	-48.987	-48.987	-46.572	-46.572	-186.649	-52.380
19	0.145	-53.682	-53.682	-50.167	-50.167	-208.920	-58.082
20	0.153	-58.607	-58.607	-53.762	-53.762	-232.591	-64.084
21	0.161	-63.762	-63.762	-57.357	-57.357	-257.662	-70.386
22	0.169	-69.147	-69.147	-60.952	-60.952	-284.133	-76.988
23	0.177	-74.762	-74.762	-64.547	-64.547	-312.004	-83.890
24	0.185	-80.607	-80.607	-68.142	-68.142	-341.275	-91.092
25	0.193	-86.682	-86.682	-71.737	-71.737	-371.946	-98.594
26	0.201	-92.987	-92.987	-75.332	-75.332	-404.017	-106.396
27	0.209	-99.522	-99.522	-78.927	-78.927	-437.488	-114.498
28	0.217	-106.287	-106.287	-82.522	-82.522	-472.359	-122.800
29	0.225	-113.282	-113.282	-86.117	-86.117	-508.530	-131.302
30	0.233	-120.507	-120.507	-89.712	-89.712	-546.001	-140.004
31	0.241	-127.962	-127.962	-93.307	-93.307	-584.772	-148.906
32	0.249	-135.647	-135.647	-96.902	-96.902	-624.843	-158.008
33	0.257	-143.562	-143.562	-100.497	-100.497	-666.214	-167.310
34	0.265	-151.707	-151.707	-104.092	-104.092	-708.885	-176.812
35	0.273	-160.092	-160.092	-107.687	-107.687	-752.856	-186.514
36	0.281	-168.717	-168.717	-111.282	-111.282	-798.127	-196.416
37	0.289	-177.582	-177.582	-114.877	-114.877	-844.698	-206.518
38	0.297	-186.687	-186.687	-118.472	-118.472	-892.569	-216.820
39	0.305	-196.032	-196.032	-122.067	-122.067	-941.740	-227.322
40	0.313	-205.617	-205.617	-125.662	-125.662	-992.211	-238.024
41	0.321	-215.442	-215.442	-129.257	-129.257	-1043.982	-248.926
42	0.329	-225.507	-225.507	-132.852	-132.852	-1097.053	-260.028
43	0.337	-235.812	-235.812	-136.447	-136.447	-1151.424	-271.330
44	0.345	-246.357	-246.357	-140.042	-140.042	-1207.095	-282.832
45	0.353	-257.142	-257.142	-143.637	-143.637	-1264.066	-294.534
46	0.361	-268.167	-268.167	-147.232	-147.232	-1322.337	-306.436
47	0.369	-279.432	-279.432	-150.827	-150.827	-1381.908	-318.538
48	0.377	-290.947	-290.947	-154.422	-154.422	-1442.779	-330.840
49	0.385	-302.712	-302.712	-158.017	-158.017	-1504.950	-343.342
50	0.393	-314.727	-314.727	-161.612	-161.612	-1568.421	-356.044





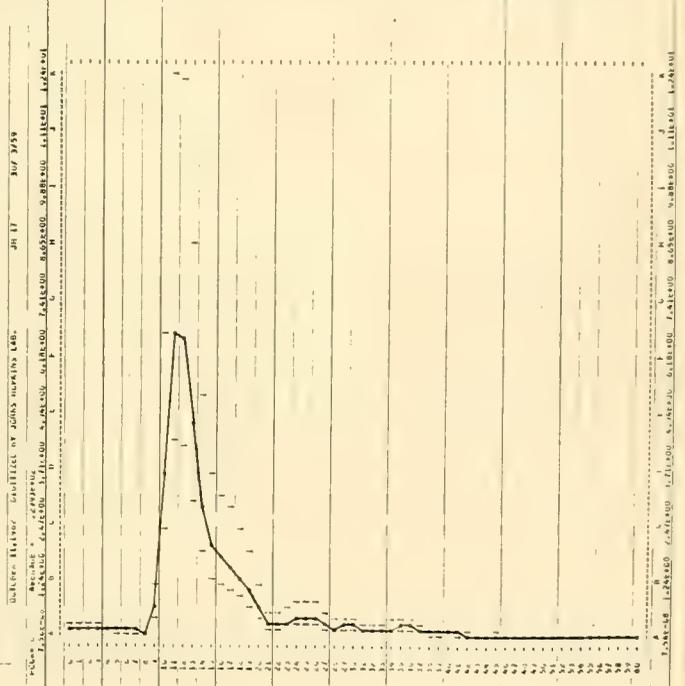
SPECTRA MINUSCULATING OCTOBER 11, 1962 LIGITIZED BY JONAS MCPAIN'S LAB.

DATE = 10/3/52		Ab. In		RECORD =		JM 16	
MCM = 41		SIG. REF. = 21.3		CORR. VARI. =		WIND SPEED = 20	
TOTAL WT = 134		NOISE LEVEL =					
M	FREQ.	UNIT-F1.2	FILTERR	LESS SC13	CORR.F1.2	UPPER	LOWER
0	000	0000	0000	0000	0000	0000	0000
1	004	0104	0104	0104	0104	0104	0104
2	011	0111	0111	0111	0111	0111	0111
3	017	0117	0117	0117	0117	0117	0117
4	024	0124	0124	0124	0124	0124	0124
5	031	0131	0131	0131	0131	0131	0131
6	038	0138	0138	0138	0138	0138	0138
7	045	0145	0145	0145	0145	0145	0145
8	052	0152	0152	0152	0152	0152	0152
9	059	0159	0159	0159	0159	0159	0159
10	066	0166	0166	0166	0166	0166	0166
11	073	0173	0173	0173	0173	0173	0173
12	080	0180	0180	0180	0180	0180	0180
13	087	0187	0187	0187	0187	0187	0187
14	094	0194	0194	0194	0194	0194	0194
15	101	0201	0201	0201	0201	0201	0201
16	108	0208	0208	0208	0208	0208	0208
17	115	0215	0215	0215	0215	0215	0215
18	122	0222	0222	0222	0222	0222	0222
19	129	0229	0229	0229	0229	0229	0229
20	136	0236	0236	0236	0236	0236	0236
21	143	0243	0243	0243	0243	0243	0243
22	150	0250	0250	0250	0250	0250	0250
23	157	0257	0257	0257	0257	0257	0257
24	164	0264	0264	0264	0264	0264	0264
25	171	0271	0271	0271	0271	0271	0271
26	178	0278	0278	0278	0278	0278	0278
27	185	0285	0285	0285	0285	0285	0285
28	192	0292	0292	0292	0292	0292	0292
29	199	0299	0299	0299	0299	0299	0299
30	206	0306	0306	0306	0306	0306	0306
31	213	0313	0313	0313	0313	0313	0313
32	220	0320	0320	0320	0320	0320	0320
33	227	0327	0327	0327	0327	0327	0327
34	234	0334	0334	0334	0334	0334	0334
35	241	0341	0341	0341	0341	0341	0341
36	248	0348	0348	0348	0348	0348	0348
37	255	0355	0355	0355	0355	0355	0355
38	262	0362	0362	0362	0362	0362	0362
39	269	0369	0369	0369	0369	0369	0369
40	276	0376	0376	0376	0376	0376	0376
41	283	0383	0383	0383	0383	0383	0383
42	290	0390	0390	0390	0390	0390	0390
43	297	0397	0397	0397	0397	0397	0397
44	304	0404	0404	0404	0404	0404	0404
45	311	0411	0411	0411	0411	0411	0411
46	318	0418	0418	0418	0418	0418	0418
47	325	0425	0425	0425	0425	0425	0425
48	332	0432	0432	0432	0432	0432	0432
49	339	0439	0439	0439	0439	0439	0439
50	346	0446	0446	0446	0446	0446	0446
51	353	0453	0453	0453	0453	0453	0453
52	360	0460	0460	0460	0460	0460	0460
53	367	0467	0467	0467	0467	0467	0467
54	374	0474	0474	0474	0474	0474	0474
55	381	0481	0481	0481	0481	0481	0481
56	388	0488	0488	0488	0488	0488	0488
57	395	0495	0495	0495	0495	0495	0495
58	402	0502	0502	0502	0502	0502	0502
59	409	0509	0509	0509	0509	0509	0509
60	416	0516	0516	0516	0516	0516	0516



SPECTRA MINUSCULATING OCTOBER 11, 1962 LIGITIZED BY JONAS MCPAIN'S LAB.

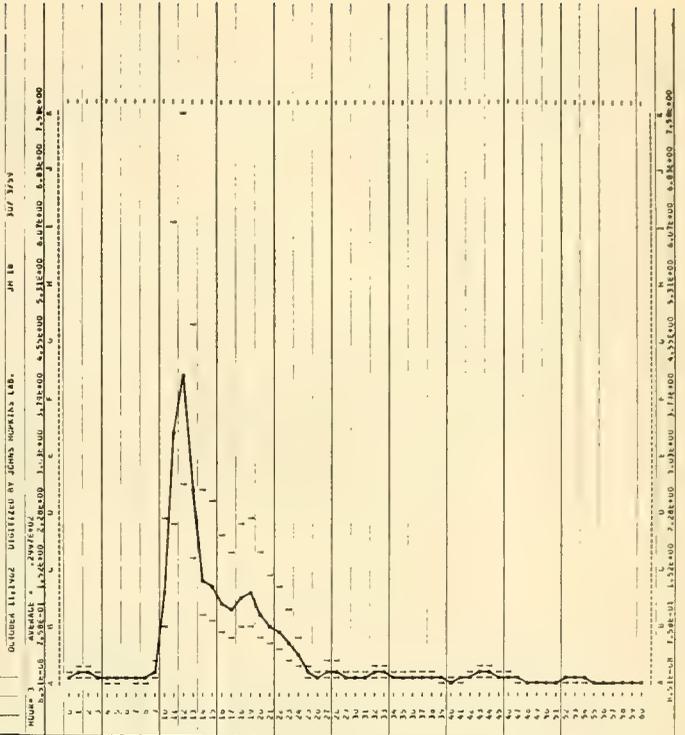
DATE = 10/3/52		Ab. In		RECORD =		JM 17	
MCM = 0		SIG. REF. = 24.8		CORR. VARI. =		WIND SPEED = 30	
TOTAL WT = 101		NOISE LEVEL =					
M	FREQ.	UNIT-F1.2	FILTERR	LESS SC13	CORR.F1.2	UPPER	LOWER
0	000	0000	0000	0000	0000	0000	0000
1	006	0106	0106	0106	0106	0106	0106
2	011	0111	0111	0111	0111	0111	0111
3	017	0117	0117	0117	0117	0117	0117
4	024	0124	0124	0124	0124	0124	0124
5	031	0131	0131	0131	0131	0131	0131
6	038	0138	0138	0138	0138	0138	0138
7	045	0145	0145	0145	0145	0145	0145
8	052	0152	0152	0152	0152	0152	0152
9	059	0159	0159	0159	0159	0159	0159
10	066	0166	0166	0166	0166	0166	0166
11	073	0173	0173	0173	0173	0173	0173
12	080	0180	0180	0180	0180	0180	0180
13	087	0187	0187	0187	0187	0187	0187
14	094	0194	0194	0194	0194	0194	0194
15	101	0201	0201	0201	0201	0201	0201
16	108	0208	0208	0208	0208	0208	0208
17	115	0215	0215	0215	0215	0215	0215
18	122	0222	0222	0222	0222	0222	0222
19	129	0229	0229	0229	0229	0229	0229
20	136	0236	0236	0236	0236	0236	0236
21	143	0243	0243	0243	0243	0243	0243
22	150	0250	0250	0250	0250	0250	0250
23	157	0257	0257	0257	0257	0257	0257
24	164	0264	0264	0264	0264	0264	0264
25	171	0271	0271	0271	0271	0271	0271
26	178	0278	0278	0278	0278	0278	0278
27	185	0285	0285	0285	0285	0285	0285
28	192	0292	0292	0292	0292	0292	0292
29	199	0299	0299	0299	0299	0299	0299
30	206	0306	0306	0306	0306	0306	0306
31	213	0313	0313	0313	0313	0313	0313
32	220	0320	0320	0320	0320	0320	0320
33	227	0327	0327	0327	0327	0327	0327
34	234	0334	0334	0334	0334	0334	0334
35	241	0341	0341	0341	0341	0341	0341
36	248	0348	0348	0348	0348	0348	0348
37	255	0355	0355	0355	0355	0355	0355
38	262	0362	0362	0362	0362	0362	0362
39	269	0369	0369	0369	0369	0369	0369
40	276	0376	0376	0376	0376	0376	0376
41	283	0383	0383	0383	0383	0383	0383
42	290	0390	0390	0390	0390	0390	0390
43	297	0397	0397	0397	0397	0397	0397
44	304	0404	0404	0404	0404	0404	0404
45	311	0411	0411	0411	0411	0411	0411
46	318	0418	0418	0418	0418	0418	0418
47	325	0425	0425	0425	0425	0425	0425
48	332	0432	0432	0432	0432	0432	0432
49	339	0439	0439	0439	0439	0439	0439
50	346	0446	0446	0446	0446	0446	0446
51	353	0453	0453	0453	0453	0453	0453
52	360	0460	0460	0460	0460	0460	0460
53	367	0467	0467	0467	0467	0467	0467
54	374	0474	0474	0474	0474	0474	0474
55	381	0481	0481	0481	0481	0481	0481
56	388	0488	0488	0488	0488	0488	0488
57	395	0495	0495	0495	0495	0495	0495
58	402	0502	0502	0502	0502	0502	0502
59	409	0509	0509	0509	0509	0509	0509
60	416	0516	0516	0516	0516	0516	0516





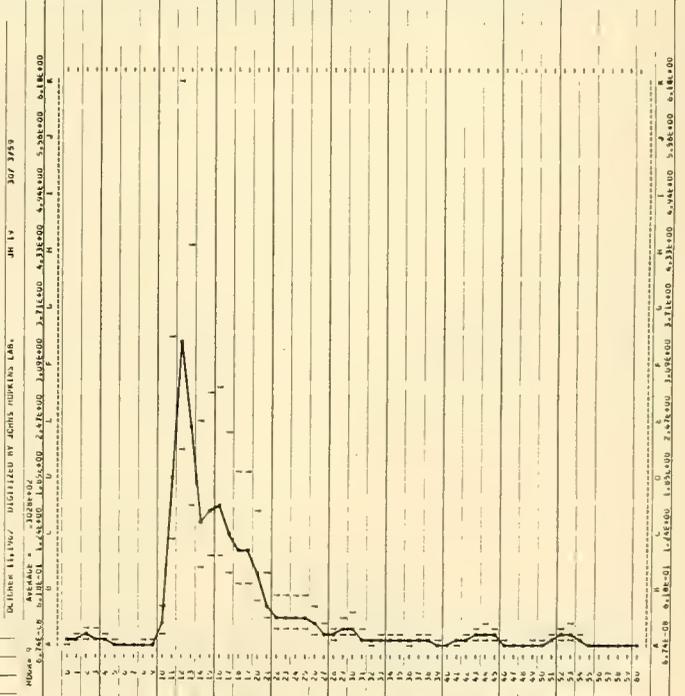
SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 30/ 3/59		SIG. WGT. = 10.0		RECORD = JM 18			
TOTAL LF = 120		CORE. YAN. = 24.7		WIND SPEED = 30			
H	FREQ.	UNIT#1-2	FILTERED	LESS NCISE	LOWR.F1-2	UPPER	LOWR
0	.000	.0845	.0845	.0770	.0770	.1419	.0490
1	.005	.1270	.1270	.1175	.1175	.2202	.0761
2	.011	.1889	.1889	.1764	.1764	.3513	.0875
3	.017	.2617	.2617	.2467	.2467	.5177	.1476
4	.022	.3467	.3467	.3282	.3282	.7079	.2262
5	.028	.4453	.4453	.4230	.4230	.9322	.3156
6	.033	.5589	.5589	.5326	.5326	1.1927	.4350
7	.039	.6887	.6887	.6582	.6582	1.5995	.5964
8	.044	.8353	.8353	.7997	.7997	2.1634	.8094
9	.050	1.0000	1.0000	.9597	.9597	2.9062	1.1000
10	.056	1.1764	1.1764	1.1189	1.1189	3.8494	1.5173
11	.061	1.3650	1.3650	1.2936	1.2936	5.0000	2.1162
12	.067	1.5661	1.5661	1.4811	1.4811	6.4800	2.8603
13	.072	1.7800	1.7800	1.6950	1.6950	8.3125	3.8000
14	.078	2.0075	2.0075	1.9350	1.9350	10.5375	5.0000
15	.083	2.2487	2.2487	2.1600	2.1600	13.2125	6.4800
16	.089	2.5037	2.5037	2.4075	2.4075	16.3875	8.2800
17	.094	2.7725	2.7725	2.6275	2.6275	20.1125	10.4400
18	.100	3.0561	3.0561	2.8200	2.8200	24.5000	13.0000
19	.106	3.3547	3.3547	3.0825	3.0825	29.5625	16.0000
20	.111	3.6683	3.6683	3.3150	3.3150	35.3125	19.4400
21	.117	3.9970	3.9970	3.5175	3.5175	41.7625	23.2800
22	.122	4.3407	4.3407	3.6900	3.6900	48.9125	27.4800
23	.128	4.7000	4.7000	3.8325	3.8325	56.7625	31.9600
24	.133	5.0747	5.0747	3.9450	3.9450	65.3125	36.6400
25	.139	5.4650	5.4650	4.0275	4.0275	74.5625	41.5200
26	.144	5.8707	5.8707	4.0800	4.0800	84.5125	46.6000
27	.150	6.2920	6.2920	4.1025	4.1025	95.1625	51.8800
28	.156	6.7287	6.7287	4.0950	4.0950	106.5125	57.3600
29	.161	7.1800	7.1800	4.0575	4.0575	118.5625	62.9600
30	.167	7.6461	7.6461	3.9900	3.9900	131.3125	68.6800
31	.172	8.1270	8.1270	3.8925	3.8925	144.7625	74.5200
32	.178	8.6227	8.6227	3.7650	3.7650	158.9125	80.4800
33	.183	9.1340	9.1340	3.6075	3.6075	173.7625	86.5600
34	.189	9.6607	9.6607	3.4200	3.4200	189.3125	92.7600
35	.194	1.0200	1.0200	3.2025	3.2025	205.5625	99.0800
36	.200	1.0819	1.0819	2.9550	2.9550	223.5125	105.5200
37	.206	1.1464	1.1464	2.6775	2.6775	243.0625	112.0800
38	.211	1.2135	1.2135	2.3700	2.3700	264.2125	118.7600
39	.217	1.2832	1.2832	2.0325	2.0325	286.9625	125.5600
40	.222	1.3555	1.3555	1.6650	1.6650	311.3125	132.4800
41	.228	1.4304	1.4304	1.2675	1.2675	337.2625	139.5200
42	.233	1.5079	1.5079	8.8125	8.8125	364.8125	146.6800
43	.239	1.5880	1.5880	8.3250	8.3250	393.9625	153.9600
44	.244	1.6707	1.6707	7.7575	7.7575	424.5625	161.3600
45	.250	1.7560	1.7560	7.1100	7.1100	456.7125	168.8800
46	.256	1.8439	1.8439	6.3825	6.3825	490.4125	176.5200
47	.261	1.9344	1.9344	5.5750	5.5750	525.5625	184.2800
48	.267	2.0275	2.0275	4.6875	4.6875	562.2625	192.1600
49	.272	2.1232	2.1232	3.7200	3.7200	600.5125	199.1600
50	.278	2.2215	2.2215	2.6825	2.6825	640.3125	206.2800
51	.283	2.3224	2.3224	1.5750	1.5750	681.6625	213.5200
52	.289	2.4259	2.4259	1.2025	1.2025	724.5625	220.8800
53	.294	2.5320	2.5320	9.6000	9.6000	769.0125	228.3600
54	.300	2.6407	2.6407	8.0125	8.0125	815.0125	235.9600
55	.306	2.7520	2.7520	6.3450	6.3450	862.5625	243.6800
56	.311	2.8659	2.8659	4.6075	4.6075	911.6625	251.5200
57	.317	2.9824	2.9824	2.8000	2.8000	962.3125	259.4800
58	.322	3.1015	3.1015	1.9225	1.9225	1014.5125	267.5600
59	.328	3.2232	3.2232	9.0000	9.0000	1068.2625	275.7600
60	.333	3.3475	3.3475	7.0000	7.0000	1123.5625	284.0800



SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

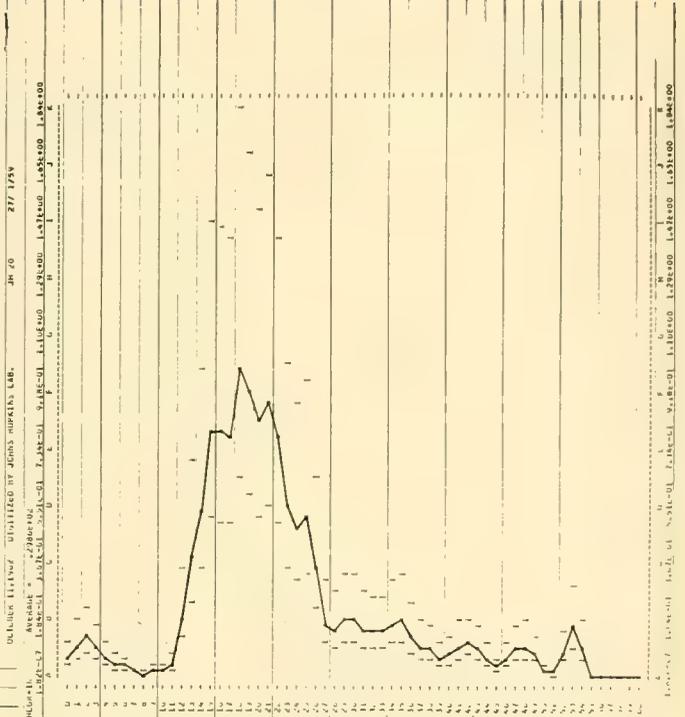
DATE = 30/ 3/59		SIG. WGT. = 10.0		RECORD = JM 19			
TOTAL LF = 113		CORE. YAN. = 20.2		WIND SPEED = 25			
H	FREQ.	UNIT#1-2	FILTERED	LESS NCISE	LOWR.F1-2	UPPER	LOWR
0	.000	.0699	.0699	.0443	.0443	.0817	.0262
1	.005	.0878	.0878	.0622	.0622	.1156	.0356
2	.011	.1217	.1217	.0941	.0941	.1711	.0482
3	.017	.1725	.1725	.1319	.1319	.2454	.0653
4	.022	.2344	.2344	.1859	.1859	.3346	.0875
5	.028	.3090	.3090	.2474	.2474	.4553	.1174
6	.033	.3969	.3969	.3202	.3202	.6146	.1568
7	.039	.4984	.4984	.4067	.4067	.8187	.2080
8	.044	.6149	.6149	.5082	.5082	.1100	.2744
9	.050	.7478	.7478	.6267	.6267	1.4881	.3596
10	.056	.8983	.8983	.7642	.7642	1.9711	.4688
11	.061	1.0670	1.0670	.9227	.9227	2.5700	.6064
12	.067	1.2549	1.2549	1.1032	1.1032	3.4000	.7784
13	.072	1.4620	1.4620	1.3097	1.3097	4.4800	.9912
14	.078	1.6895	1.6895	1.5442	1.5442	5.9375	1.2500
15	.083	1.9374	1.9374	1.8087	1.8087	7.7825	1.5656
16	.089	2.2067	2.2067	2.1052	2.1052	10.1375	1.9400
17	.094	2.4974	2.4974	2.4367	2.4367	13.1125	2.3840
18	.100	2.8105	2.8105	2.8052	2.8052	16.8275	2.9056
19	.106	3.1460	3.1460	3.2147	3.2147	21.3925	3.5144
20	.111	3.5039	3.5039	3.6672	3.6672	26.8275	4.2192
21	.117	3.8848	3.8848	4.1647	4.1647	33.1525	4.9304
22	.122	4.2887	4.2887	4.7072	4.7072	40.3775	5.6480
23	.128	4.7156	4.7156	5.2947	5.2947	48.5125	6.3720
24	.133	5.1655	5.1655	5.9272	5.9272	57.5625	7.1032
25	.139	5.6384	5.6384	6.6047	6.6047	67.5375	7.8416
26	.144	6.1333	6.1333	7.3272	7.3272	78.4425	8.5872
27	.150	6.6502	6.6502	8.0947	8.0947	90.2875	9.3400
28	.156	7.1891	7.1891	8.9072	8.9072	103.0825	10.1000
29	.161	7.7490	7.7490	9.7647	9.7647	116.8375	10.8672
30	.167	8.3299	8.3299	10.6672	10.6672	131.5625	11.6416
31	.172	8.9318	8.9318	11.6147	11.6147	147.2625	12.4232
32	.178	9.5547	9.5547	12.6072	12.6072	163.9375	13.2120
33	.183	1.0198	1.0198	13.6447	13.6447	181.5825	14.0080
34	.189	1.0879	1.0879	14.7272	14.7272	199.2075	14.8112
35	.194	1.1590	1.1590	15.8547	15.8547	216.8125	15.6216
36	.200	1.2331	1.2331	17.0272	17.0272	235.4075	16.4392
37	.206	1.3102	1.3102	18.2447	18.2447	254.9925	17.2632
38	.211	1.3903	1.3903	19.5072	19.5072	275.5775	18.0944
39	.217	1.4734	1.4734	20.8147	20.8147	297.1625	18.9416
40	.222	1.5595	1.5595	22.1672	22.1672	319.7575	19.8048
41	.228	1.6486	1.6486	23.5647	23.5647	343.3625	20.6840
42	.233	1.7407	1.7407	25.0072	25.0072	367.9775	21.5784
43	.239	1.8358	1.8358	26.4947	26.4947	393.6025	22.4880
44	.244	1.9339	1.9339	28.0272	28.0272	419.2475	23.4120
45	.250	2.0350	2.0350	29.6047	29.6047	445.9125	24.3504
46	.256	2.1391	2.1391	31.2272	31.2272	473.5975	25.3032
47	.261	2.2462	2.2462	32.8947	32.8947	502.3025	26.2704
48	.267	2.3563	2.3563	34.6072	34.6072	532.0275	27.2520
49	.272	2.4694	2.4694	36.3647	36.3647	562.7725	28.2480
50	.278	2.5855	2.5855	38.1672	38.1672	594.5375	29.2584
51	.283	2.7046	2.7046	40.0147	40.0147	627.3225	30.2832
52	.289	2.8267	2.8267	41.9072	41.9072	661.1275	31.3232
53	.294	2.9518	2.9518	43.8447	43.8447	695.9525	32.3784
54	.300	3.0799	3.0799	45.8272	45.8272	731.7975	33.4488
55	.306	3.2110	3.2110	47.8547	47.8547	768.6625	34.5336
56	.311	3.3451	3.3451	49.9272	49.9272	806.5475	35.6328
57	.317	3.4822	3.4822	52.0447	52.0447	845.4525	36.7464
58	.322	3.6223	3.6223	54.2072	54.2072	885.3875	37.8744
59	.328	3.7654	3.7654	56.4147	56.4147	926.3525	39.0168
60	.333	3.9115	3.9115	58.6672	58.6672	968.3475	40.1736



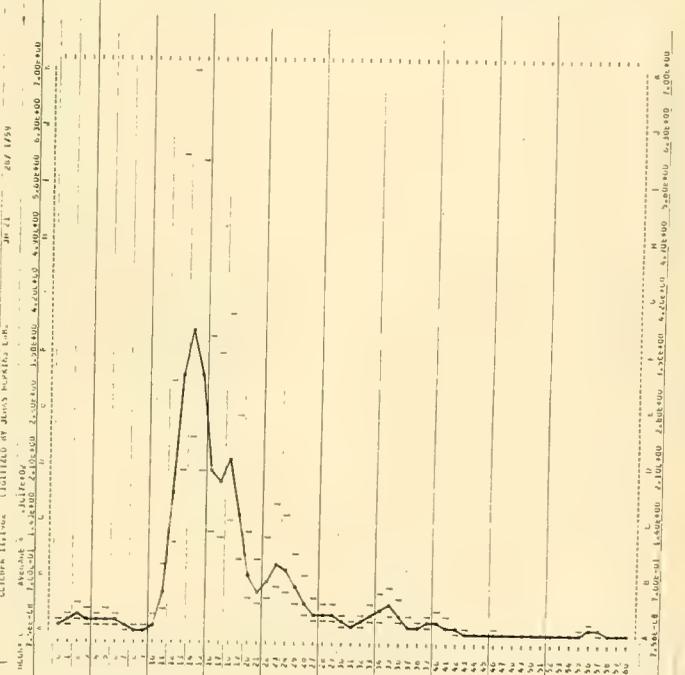


SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 277 1/28		AV. T <sub>0</sub>		T <sub>1</sub>		RECLNG = JM 20	
MNR = 18		SIG. FGT. = 14.6		CORR. FGT. = 13.3		WIND SPEED = 45	
TOTAL CP = 2335		NOISE LEVEL = 0.0100					
M	PRE-	UNIT-F1.2	FILTERREG	LESS NCISE	CORR-F1.2	UPPER	LOWER
0	0.00	0.030	0.070	0.085	0.085	1.030	0.033
1	0.08	0.103	0.103	0.083	0.083	1.013	0.066
2	0.11	0.126	0.126	0.106	0.106	1.222	0.078
3	0.17	0.086	0.086	0.086	0.086	1.087	0.052
4	0.22	0.074	0.074	0.074	0.074	1.150	0.037
5	0.28	0.080	0.080	0.080	0.080	1.088	0.078
6	0.33	0.030	0.030	0.010	0.031	0.000	0.211
7	0.37	0.230	0.230	0.110	0.146	0.209	0.093
8	0.44	0.174	0.174	0.053	0.083	0.118	0.060
9	0.50	0.074	0.074	0.154	0.171	0.314	0.109
10	0.58	0.031	0.031	0.031	0.265	0.452	0.138
11	0.61	0.033	0.033	0.015	0.015	0.793	0.274
12	0.61	0.194	0.194	0.128	0.175	0.255	0.119
13	0.72	0.181	0.181	0.218	0.215	0.032	0.249
14	0.78	0.282	0.282	0.162	0.342	0.847	0.302
15	0.83	0.088	0.088	0.088	0.057	1.000	0.068
16	0.89	0.754	0.754	0.734	0.704	1.450	0.033
17	0.94	0.107	0.107	0.077	0.070	1.410	0.002
18	1.00	0.871	0.871	0.751	0.751	1.781	0.363
19	1.08	0.283	0.283	0.233	0.120	1.026	0.813
20	1.11	0.783	0.783	0.881	0.881	1.076	0.708
21	1.17	0.898	0.898	0.848	0.778	1.178	0.584
22	1.22	0.842	0.842	0.742	0.742	1.200	0.400
23	1.28	0.013	0.013	0.003	0.003	1.010	0.008
24	1.33	0.180	0.180	0.247	0.226	0.894	0.304
25	1.38	0.186	0.186	0.306	0.201	0.988	0.312
26	1.44	0.109	0.109	0.090	0.152	0.362	0.118
27	1.50	0.107	0.107	0.097	0.097	0.308	0.104
28	1.56	0.033	0.033	0.013	0.034	0.234	0.079
29	1.61	0.024	0.024	0.004	0.024	0.170	0.184
30	1.64	0.094	0.094	0.021	0.021	0.289	0.125
31	1.72	0.277	0.277	0.257	0.151	0.282	0.075
32	1.78	0.082	0.082	0.052	0.110	0.081	0.085
33	1.83	0.047	0.047	0.027	0.133	0.242	0.013
34	1.88	0.171	0.171	0.141	0.142	0.210	0.110
35	1.94	0.083	0.083	0.053	0.122	0.359	0.180
36	2.00	0.041	0.041	0.071	0.274	0.185	0.024
37	2.06	0.032	0.032	0.032	0.032	0.176	0.010
38	2.11	0.034	0.034	0.024	0.033	0.174	0.054
39	2.18	0.054	0.054	0.034	0.034	0.128	0.030
40	2.22	0.020	0.020	0.010	0.024	0.128	0.048
41	2.28	0.011	0.020	0.172	0.055	0.160	0.008
42	2.33	0.024	0.024	0.024	0.024	0.188	0.021
43	2.39	0.079	0.079	0.079	0.079	0.047	0.050
44	2.44	0.012	0.012	0.012	0.012	0.047	0.022
45	2.50	0.034	0.034	0.037	0.017	0.084	0.000
46	2.56	0.011	0.011	0.011	0.011	0.059	0.186
47	2.61	0.024	0.024	0.024	0.024	0.129	0.000
48	2.67	0.020	0.023	0.083	0.084	0.183	0.026
49	2.72	0.018	0.018	0.018	0.018	0.121	0.037
50	2.78	0.019	0.018	0.018	0.018	0.135	0.130
51	2.83	0.013	0.017	0.007	0.114	0.210	0.072
52	2.89	0.013	0.017	0.007	0.017	0.150	0.050
53	2.94	0.016	0.019	0.071	0.187	0.288	0.098
54	3.00	0.011	0.011	0.011	0.011	0.129	0.042
55	3.06	0.004	0.003	0.000	0.000	0.000	0.000
56	3.11	0.003	0.000	0.000	0.000	0.000	0.000
57	3.17	0.001	0.001	0.000	0.000	0.000	0.000
58	3.22	0.001	0.000	0.000	0.000	0.000	0.000
59	3.28	0.003	0.000	0.000	0.000	0.000	0.000
60	3.33	0.017	0.015	0.000	0.000	0.000	0.000



DATE = 287 1/54		AV. T <sub>0</sub>		T <sub>1</sub>		RECLNG = JM 21	
MNR = 0		SIG. FGT. = 21.3		CORR. FGT. = 20.3		WIND SPEED = 35	
TOTAL CP = 152		NOISE LEVEL = 0.0154					
M	PRE-	UNIT-F1.2	FILTERREG	LESS NCISE	CORR-F1.2	UPPER	LOWER
0	0.00	0.747	0.747	0.593	0.543	1.043	0.377
1	0.08	1.358	1.358	1.204	1.204	1.218	0.786
2	0.11	0.687	0.687	0.613	0.613	0.327	0.218
3	0.17	1.756	1.756	1.603	1.603	0.254	1.020
4	0.22	1.460	1.460	1.306	1.306	0.207	0.824
5	0.28	0.028	0.027	0.027	0.027	0.276	0.052
6	0.33	0.996	0.996	0.942	1.326	0.245	0.085
7	0.37	0.980	0.980	0.932	0.932	0.059	0.231
8	0.44	0.049	0.049	0.053	0.033	0.559	0.193
9	0.50	0.288	0.288	0.236	0.240	0.440	0.168
10	0.56	0.090	0.090	0.086	0.086	0.833	0.053
11	0.61	0.889	0.889	0.845	0.803	0.895	0.269
12	0.67	1.0935	1.0935	1.0761	1.0213	3.125	1.0960
13	0.72	3.1580	3.1580	3.1406	3.2222	5.3950	2.6517
14	0.78	3.8331	3.8331	3.8277	3.7481	6.9467	2.4111
15	0.83	3.6495	3.6495	3.6441	3.1900	5.8797	2.0312
16	0.89	1.9078	1.9078	1.924	2.0222	3.7088	1.2813
17	0.94	1.3528	1.3528	1.3204	1.4083	3.4988	1.0207
18	1.00	1.9288	1.9288	1.9114	1.759	4.6105	1.8855
19	1.06	1.624	1.624	1.6270	1.4221	2.2133	0.913
20	1.11	0.799	0.799	0.649	0.632	1.4777	0.414
21	1.17	0.662	0.662	0.602	0.610	1.233	0.110
22	1.22	0.826	0.826	0.802	0.825	1.1884	0.002
23	1.28	0.215	0.215	0.21	0.245	1.2577	0.244
24	1.33	0.247	0.247	0.247	0.247	1.0575	0.062
25	1.39	0.806	0.806	0.822	0.831	1.0010	0.340
26	1.44	0.235	0.235	0.201	0.212	0.748	0.238
27	1.50	0.118	0.118	0.104	0.120	0.440	0.141
28	1.56	0.127	0.127	0.129	0.093	0.785	0.167
29	1.61	0.038	0.038	0.038	0.038	0.178	0.055
30	1.67	0.071	0.071	0.067	0.109	0.190	0.077
31	1.72	0.044	0.044	0.041	0.077	0.124	0.041
32	1.78	0.059	0.059	0.055	0.104	0.211	0.047
33	1.83	0.072	0.072	0.078	0.192	0.298	0.124
34	1.88	0.074	0.074	0.070	0.112	0.490	0.147
35	1.94	0.157	0.157	0.105	0.219	0.233	0.200
36	2.00	0.000	0.000	0.000	0.000	0.000	0.000
37	2.06	0.044	0.044	0.040	0.077	0.262	0.137
38	2.11	0.136	0.136	0.098	0.104	0.145	0.049
39	2.17	0.438	0.438	0.284	0.303	0.401	0.030
40	2.22	0.048	0.048	0.035	0.100	0.108	0.104
41	2.28	0.066	0.066	0.058	0.093	0.130	0.042
42	2.33	0.026	0.027	0.005	0.041	0.049	0.029
43	2.39	0.026	0.016	0.002	0.002	0.034	0.004
44	2.44	0.014	0.014	0.015	0.012	0.206	0.021
45	2.50	0.010	0.010	0.008	0.010	0.129	0.005
46	2.56	0.010	0.010	0.002	0.010	0.188	0.014
47	2.61	0.019	0.018	0.014	0.014	0.275	0.005
48	2.67	0.011	0.011	0.005	0.005	0.000	0.000
49	2.72	0.013	0.013	0.000	0.000	0.000	0.000
50	2.78	0.011	0.011	0.000	0.000	0.000	0.000
51	2.83	0.013	0.010	0.000	0.000	0.000	0.000
52	2.89	0.017	0.010	0.000	0.015	0.030	0.074
53	2.94	0.018	0.018	0.000	0.000	0.000	0.000
54	3.00	0.016	0.014	0.000	0.000	0.000	0.000
55	3.06	0.010	0.010	0.000	0.002	0.010	0.018
56	3.11	0.018	0.017	0.023	0.071	0.122	0.041
57	3.17	0.010	0.014	0.010	0.013	0.087	0.071
58	3.22	0.013	0.017	0.000	0.000	0.000	0.000
59	3.28	0.010	0.017	0.000	0.000	0.000	0.000
60	3.33	0.013	0.013	0.000	0.000	0.000	0.000







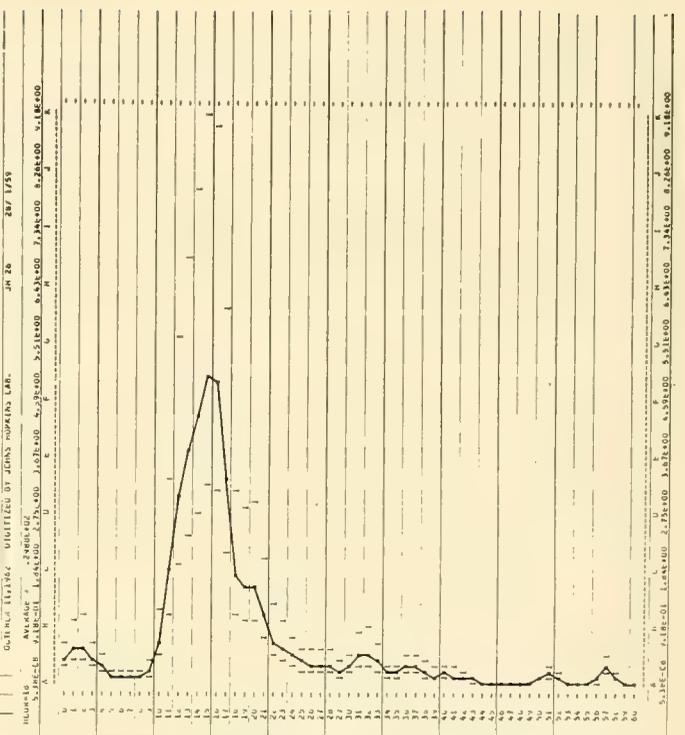






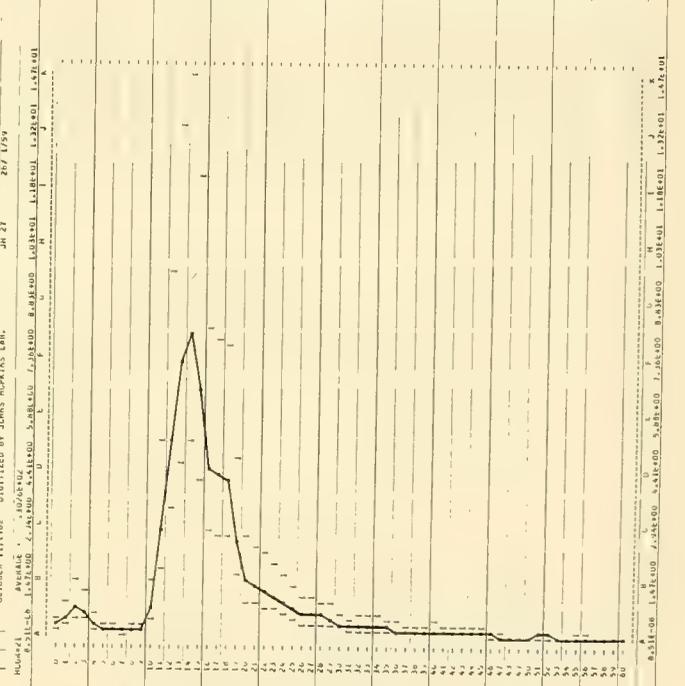
SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 20/ 1/59		AV. I <sub>c</sub> = 9.5		RECORD = JM 26			
HOUR = 18		SIG-MET. = 26.0		CORR. VAR. = 42.3			
TOTAL DE = 152		NOISE LEVEL = .0251		WIND SPEED = 50			
H	PRE.	UNIT-FT.2	FILTERED	LESS NOISE	LOW-F.T.2	UPPER	LOWER
0	.000	3.910	3.910	3.960	4.745	2.330	
1	.006	3.913	3.913	3.962	4.637	2.300	
2	.011	4.012	4.012	3.941	4.051	2.783	
3	.017	3.871	3.871	3.920	4.672	2.305	
4	.022	4.700	4.700	4.556	4.526	1.968	
5	.028	4.177	4.177	4.222	4.222	2.252	
6	.033	4.013	4.013	4.023	4.133	2.008	
7	.039	4.190	4.190	4.089	4.074	1.980	
8	.046	4.048	4.048	4.093	4.080	1.930	
9	.052	4.057	4.057	4.004	4.005	1.976	
10	.058	4.039	4.039	4.088	4.078	1.924	
11	.065	4.757	4.757	4.726	4.704	2.017	
12	.072	4.935	4.935	4.905	4.923	2.071	
13	.079	4.716	4.716	4.845	4.813	2.009	
14	.086	4.190	4.190	4.172	4.272	1.980	
15	.093	4.701	4.701	4.767	4.802	2.173	
16	.100	4.018	4.018	4.038	4.064	2.003	
17	.106	2.921	2.921	2.720	2.720	2.081	
18	.110	4.514	4.514	4.443	4.411	1.932	
19	.116	4.255	4.255	4.304	4.352	2.025	
20	.117	4.302	4.302	4.282	4.273	2.098	
21	.122	4.906	4.906	4.855	4.891	2.063	
22	.128	4.592	4.592	4.512	4.602	1.948	
23	.134	4.238	4.238	4.188	4.228	1.950	
24	.140	4.050	4.050	4.799	4.828	1.972	
25	.146	4.205	4.205	4.254	4.294	1.959	
26	.152	4.148	4.148	4.105	4.093	1.910	
27	.158	4.071	4.071	4.120	4.051	1.942	
28	.164	4.136	4.136	4.101	4.087	1.912	
29	.170	4.284	4.284	4.103	4.090	1.852	
30	.177	4.148	4.148	4.197	4.298	1.954	
31	.183	4.257	4.257	4.208	4.294	1.924	
32	.189	4.209	4.209	4.198	4.428	1.938	
33	.195	4.178	4.178	4.127	4.136	1.848	
34	.201	4.071	4.071	4.021	4.155	1.829	
35	.207	4.041	4.041	4.040	4.281	1.909	
36	.213	4.072	4.072	4.025	4.251	1.892	
37	.219	4.087	4.087	4.046	4.461	1.937	
38	.225	4.111	4.111	4.063	4.133	1.902	
39	.231	4.058	4.058	4.077	4.270	1.884	
40	.237	4.030	4.030	4.074	4.290	1.889	
41	.243	4.057	4.057	4.047	4.314	1.875	
42	.249	4.040	4.040	4.019	4.117	1.847	
43	.255	4.032	4.032	4.051	4.081	1.816	
44	.261	4.034	4.034	4.007	4.052	1.803	
45	.267	4.025	4.025	4.000	4.000	1.800	
46	.273	4.010	4.010	4.000	4.000	1.800	
47	.279	4.018	4.018	4.000	4.000	1.800	
48	.285	4.012	4.012	4.000	4.000	1.800	
49	.291	4.010	4.010	4.000	4.000	1.800	
50	.297	4.023	4.023	4.004	4.178	1.838	
51	.303	4.032	4.032	4.040	4.150	1.828	
52	.309	4.029	4.029	4.045	4.170	1.803	
53	.315	4.042	4.042	4.000	4.000	1.800	
54	.321	4.018	4.018	4.000	4.000	1.800	
55	.327	4.008	4.008	4.000	4.000	1.800	
56	.333	4.026	4.026	4.009	4.121	1.807	
57	.339	4.011	4.011	4.008	4.267	1.848	
58	.345	4.003	4.003	4.024	4.174	1.800	
59	.351	4.020	4.020	4.000	4.000	1.800	
60	.357	4.018	4.018	4.000	4.000	1.800	



SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 20/ 1/59		AV. I <sub>c</sub> = 9.5		RECORD = JM 27			
HOUR = 21		SIG-MET. = 31.4		CORR. VAR. = 61.7			
TOTAL DE = 152		NOISE LEVEL = .0223		WIND SPEED = 50			
H	PRE.	UNIT-FT.2	FILTERED	LESS NOISE	LOW-F.T.2	UPPER	LOWER
0	.000	2.432	2.432	2.209	2.204	1.407	
1	.006	2.517	2.517	2.209	2.274	1.442	
2	.011	4.091	4.091	4.768	4.768	1.450	
3	.017	4.510	4.510	4.287	4.287	1.389	
4	.022	4.398	4.398	4.176	4.176	1.454	
5	.028	4.180	4.180	4.180	4.180	1.406	
6	.033	4.057	4.057	4.128	4.148	1.378	
7	.039	4.072	4.072	4.045	4.127	1.378	
8	.046	4.127	4.127	4.033	4.122	1.371	
9	.052	4.154	4.154	4.131	4.177	1.361	
10	.058	4.070	4.070	4.057	4.026	1.409	
11	.065	4.020	4.020	4.046	4.054	1.363	
12	.072	4.113	4.113	4.084	4.194	1.323	
13	.079	4.106	4.106	4.076	4.177	1.302	
14	.086	4.737	4.737	4.715	4.714	1.470	
15	.093	4.213	4.213	4.120	4.210	1.394	
16	.099	4.163	4.163	4.150	4.147	1.342	
17	.106	4.017	4.017	4.035	4.004	1.295	
18	.110	4.016	4.016	4.033	4.002	1.294	
19	.116	4.128	4.128	4.140	4.249	1.400	
20	.117	4.124	4.124	4.142	4.174	1.410	
21	.122	4.128	4.128	4.101	4.202	1.404	
22	.128	4.930	4.930	4.917	4.924	1.785	
23	.134	4.715	4.715	4.693	4.689	1.679	
24	.140	4.034	4.034	4.032	4.021	1.628	
25	.146	4.055	4.055	4.032	4.130	1.614	
26	.152	4.044	4.044	4.018	4.052	1.618	
27	.158	4.044	4.044	4.018	4.041	1.579	
28	.164	4.048	4.048	4.046	4.132	1.605	
29	.170	4.226	4.226	4.223	4.457	1.624	
30	.177	4.193	4.193	4.190	4.382	1.602	
31	.183	4.174	4.174	4.151	4.487	1.649	
32	.189	4.190	4.190	4.161	4.438	1.671	
33	.195	4.178	4.178	4.155	4.446	1.684	
34	.201	4.170	4.170	4.057	4.420	1.694	
35	.207	4.068	4.068	4.065	4.649	1.659	
36	.213	4.081	4.081	4.029	4.495	1.699	
37	.219	4.011	4.011	4.011	4.488	1.628	
38	.225	4.064	4.064	4.042	4.643	1.697	
39	.231	4.063	4.063	4.040	4.183	1.667	
40	.237	4.061	4.061	4.038	4.164	1.678	
41	.243	4.059	4.059	4.032	4.149	1.677	
42	.249	4.042	4.042	4.028	4.191	1.693	
43	.255	4.045	4.045	4.019	4.158	1.649	
44	.261	4.078	4.078	4.046	4.226	1.681	
45	.267	4.078	4.078	4.046	4.216	1.676	
46	.273	4.016	4.016	4.011	4.357	1.669	
47	.279	4.021	4.021	4.025	4.405	1.681	
48	.285	4.018	4.018	4.008	4.094	1.674	
49	.291	4.018	4.018	4.000	4.000	1.600	
50	.297	4.045	4.045	4.008	4.117	1.626	
51	.303	4.026	4.026	4.052	4.113	1.627	
52	.309	4.026	4.026	4.041	4.141	1.659	
53	.315	4.028	4.028	4.013	4.285	1.692	
54	.321	4.008	4.008	4.015	4.215	1.686	
55	.327	4.059	4.059	4.023	4.197	1.644	
56	.333	4.011	4.011	4.011	4.011	1.600	
57	.339	4.011	4.011	4.000	4.000	1.600	
58	.345	4.017	4.017	4.000	4.000	1.600	
59	.351	4.017	4.017	4.000	4.000	1.600	
60	.357	4.012	4.012	4.000	4.000	1.600	





SPECTRA MEASURING OCTOBER 11, 1962 DIGITIZED BY JONES HOPKINS LAB.

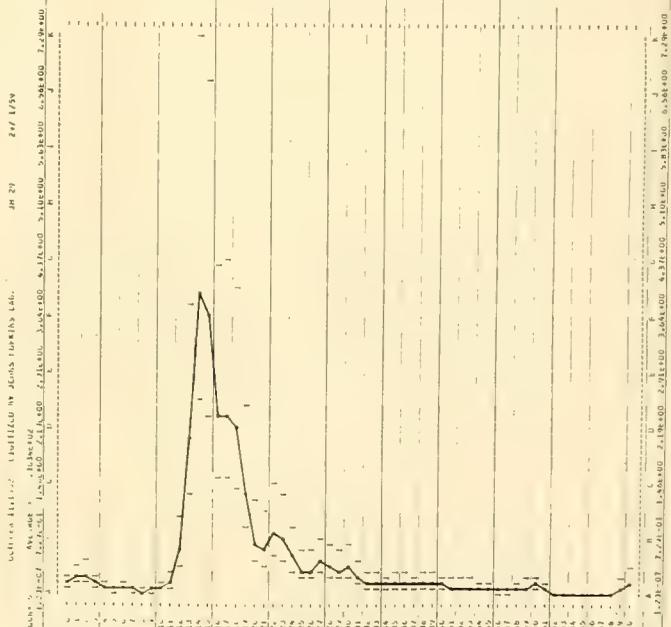
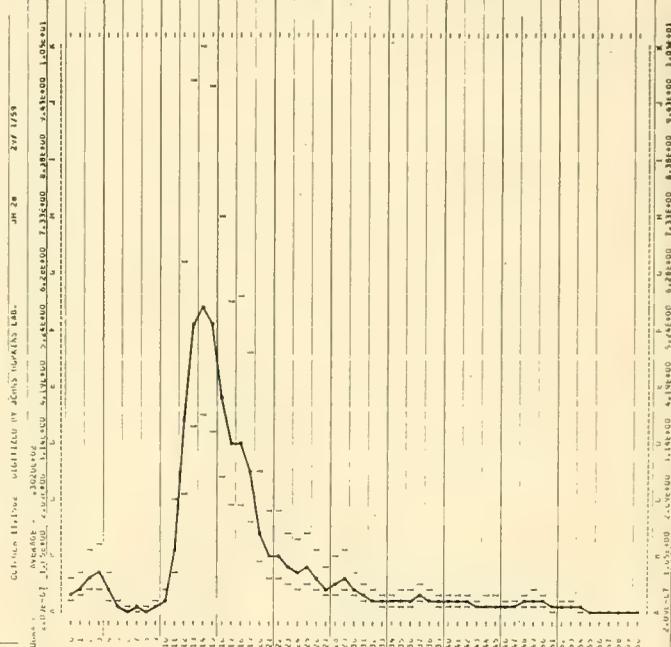
DATE = 2/27/73 Av. In = 3.0 RECLUS = JM 28  
 CURR = 0 SIG.MGT. = 2+2  
 TOTAL SP. = 129 CURR. VOLT. = 45+0  
 NOISE LEVEL = -0219 MINU SPEC = 40

M	Freq.	UNINT.F-2	FILTERED	LESS NOISE	LOW.F-1-2	UPPER	LOWER
0	0.00	0.000	0.000	0.000	0.000	0.000	0.000
1	0.01	0.000	0.000	0.000	0.000	0.000	0.000
2	0.02	0.000	0.000	0.000	0.000	0.000	0.000
3	0.03	0.000	0.000	0.000	0.000	0.000	0.000
4	0.04	0.000	0.000	0.000	0.000	0.000	0.000
5	0.05	0.000	0.000	0.000	0.000	0.000	0.000
6	0.06	0.000	0.000	0.000	0.000	0.000	0.000
7	0.07	0.000	0.000	0.000	0.000	0.000	0.000
8	0.08	0.000	0.000	0.000	0.000	0.000	0.000
9	0.09	0.000	0.000	0.000	0.000	0.000	0.000
10	0.10	0.000	0.000	0.000	0.000	0.000	0.000
11	0.11	0.000	0.000	0.000	0.000	0.000	0.000
12	0.12	0.000	0.000	0.000	0.000	0.000	0.000
13	0.13	0.000	0.000	0.000	0.000	0.000	0.000
14	0.14	0.000	0.000	0.000	0.000	0.000	0.000
15	0.15	0.000	0.000	0.000	0.000	0.000	0.000
16	0.16	0.000	0.000	0.000	0.000	0.000	0.000
17	0.17	0.000	0.000	0.000	0.000	0.000	0.000
18	0.18	0.000	0.000	0.000	0.000	0.000	0.000
19	0.19	0.000	0.000	0.000	0.000	0.000	0.000
20	0.20	0.000	0.000	0.000	0.000	0.000	0.000
21	0.21	0.000	0.000	0.000	0.000	0.000	0.000
22	0.22	0.000	0.000	0.000	0.000	0.000	0.000
23	0.23	0.000	0.000	0.000	0.000	0.000	0.000
24	0.24	0.000	0.000	0.000	0.000	0.000	0.000
25	0.25	0.000	0.000	0.000	0.000	0.000	0.000
26	0.26	0.000	0.000	0.000	0.000	0.000	0.000
27	0.27	0.000	0.000	0.000	0.000	0.000	0.000
28	0.28	0.000	0.000	0.000	0.000	0.000	0.000
29	0.29	0.000	0.000	0.000	0.000	0.000	0.000
30	0.30	0.000	0.000	0.000	0.000	0.000	0.000
31	0.31	0.000	0.000	0.000	0.000	0.000	0.000
32	0.32	0.000	0.000	0.000	0.000	0.000	0.000
33	0.33	0.000	0.000	0.000	0.000	0.000	0.000

SPECTRA MEASURING OCTOBER 11, 1962 DIGITIZED BY JONES HOPKINS LAB.

DATE = 2/27/73 Av. In = 3.0 RECLUS = JM 29  
 CURR = 0 SIG.MGT. = 2+2  
 TOTAL SP. = 140 CURR. VOLT. = 45+0  
 NOISE LEVEL = -0166 MINU SPEC = 35

M	Freq.	UNINT.F-2	FILTERED	LESS NOISE	LOW.F-1-2	UPPER	LOWER
0	0.00	0.000	0.000	0.000	0.000	0.000	0.000
1	0.01	0.000	0.000	0.000	0.000	0.000	0.000
2	0.02	0.000	0.000	0.000	0.000	0.000	0.000
3	0.03	0.000	0.000	0.000	0.000	0.000	0.000
4	0.04	0.000	0.000	0.000	0.000	0.000	0.000
5	0.05	0.000	0.000	0.000	0.000	0.000	0.000
6	0.06	0.000	0.000	0.000	0.000	0.000	0.000
7	0.07	0.000	0.000	0.000	0.000	0.000	0.000
8	0.08	0.000	0.000	0.000	0.000	0.000	0.000
9	0.09	0.000	0.000	0.000	0.000	0.000	0.000
10	0.10	0.000	0.000	0.000	0.000	0.000	0.000
11	0.11	0.000	0.000	0.000	0.000	0.000	0.000
12	0.12	0.000	0.000	0.000	0.000	0.000	0.000
13	0.13	0.000	0.000	0.000	0.000	0.000	0.000
14	0.14	0.000	0.000	0.000	0.000	0.000	0.000
15	0.15	0.000	0.000	0.000	0.000	0.000	0.000
16	0.16	0.000	0.000	0.000	0.000	0.000	0.000
17	0.17	0.000	0.000	0.000	0.000	0.000	0.000
18	0.18	0.000	0.000	0.000	0.000	0.000	0.000
19	0.19	0.000	0.000	0.000	0.000	0.000	0.000
20	0.20	0.000	0.000	0.000	0.000	0.000	0.000
21	0.21	0.000	0.000	0.000	0.000	0.000	0.000
22	0.22	0.000	0.000	0.000	0.000	0.000	0.000
23	0.23	0.000	0.000	0.000	0.000	0.000	0.000
24	0.24	0.000	0.000	0.000	0.000	0.000	0.000
25	0.25	0.000	0.000	0.000	0.000	0.000	0.000
26	0.26	0.000	0.000	0.000	0.000	0.000	0.000
27	0.27	0.000	0.000	0.000	0.000	0.000	0.000
28	0.28	0.000	0.000	0.000	0.000	0.000	0.000
29	0.29	0.000	0.000	0.000	0.000	0.000	0.000
30	0.30	0.000	0.000	0.000	0.000	0.000	0.000
31	0.31	0.000	0.000	0.000	0.000	0.000	0.000
32	0.32	0.000	0.000	0.000	0.000	0.000	0.000
33	0.33	0.000	0.000	0.000	0.000	0.000	0.000



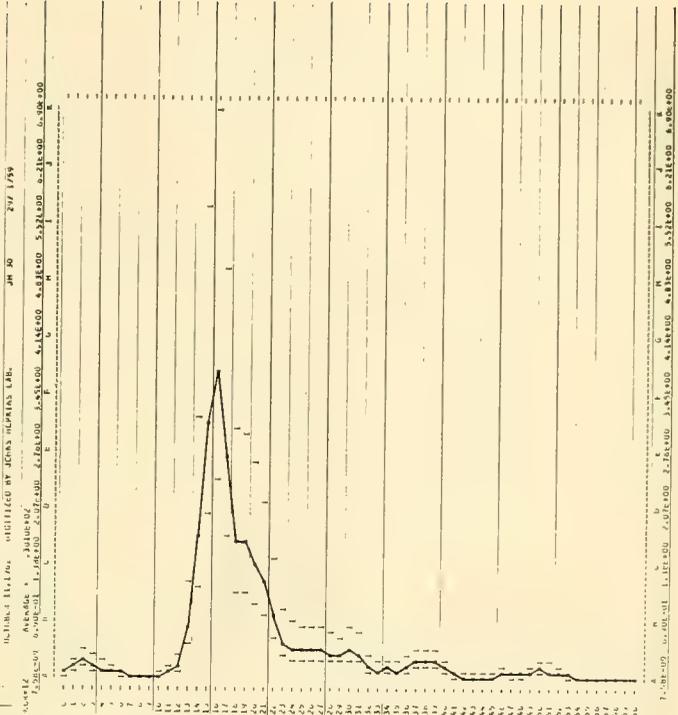


SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHN HOPKINS LAB.

DATE = 20 / 1/59  
 SIG. MEAS. = 18.5  
 CURR. VAR. = 17.0  
 NOISE LEVEL = .0086  
 WIND SPEED = 35

REC'D = JM 30

N	FREQ.	UNIT FT. 2	FILTERED	LESS NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0487	.0487	.0357	.0357	.0459	.0228
1	.004	.1170	.1170	.1069	.1069	.1224	.0868
2	.011	.1508	.1508	.1408	.1408	.1513	.1113
3	.017	.1859	.1859	.1718	.1718	.1829	.1407
4	.022	.1944	.1944	.1811	.1811	.1909	.1486
5	.028	.0772	.0772	.0643	.0643	.0708	.0410
6	.033	.0154	.0154	.0264	.0264	.0708	.0245
7	.044	.0127	.0127	.0103	.0103	.0158	.0035
8	.050	.0235	.0235	.0103	.0103	.0000	.0000
10	.056	.0343	.0343	.0213	.0213	.0216	.0074
11	.061	.0108	.0108	.0078	.0078	.0127	.0048
12	.067	.1672	.1672	.1541	.1541	.1614	.1207
13	.072	.1624	.1624	.1494	.1494	.1514	.1047
14	.078	1.0827	1.0827	1.0096	1.0096	1.1851	1.1063
15	.083	2.9501	2.9501	2.9471	1.0286	3.2112	1.5720
16	.088	3.7362	3.7362	3.5232	2.7462	3.9044	1.3854
17	.094	2.4610	2.4610	2.4480	2.2012	3.0768	1.3190
18	.100	1.4710	1.4710	1.4586	1.0604	1.0004	1.0573
19	.105	1.3921	1.3921	1.3791	1.0208	1.0007	1.0306
20	.111	1.1835	1.1835	1.1505	1.1120	1.0041	1.0306
21	.117	.9214	.9214	.8984	1.1882	2.1459	.7613
22	.122	.5925	.5925	.5785	.7779	1.1318	.6593
23	.128	.3652	.3652	.3125	.4460	.8124	.4807
24	.133	.2450	.2450	.2322	.3750	.6912	.4093
25	.139	.2380	.2380	.2250	.3539	.6523	.3780
26	.144	.2235	.2235	.2105	.3409	.6272	.3525
27	.150	.2048	.2048	.1919	.3403	.6272	.3525
28	.156	.1815	.1815	.1686	.3098	.5711	.3074
30	.167	.1428	.1428	.1408	.2511	.3993	.2070
32	.172	.1300	.1300	.1280	.2514	.2514	.1871
33	.178	.0762	.0762	.0722	.1440	.1440	.1011
34	.184	.0519	.0519	.0499	.0989	.1122	.0649
35	.190	.0481	.0481	.0461	.0975	.1114	.0634
36	.196	.0282	.0282	.0262	.0707	.0707	.0433
37	.202	.0585	.0585	.0455	.1734	.1490	.0880
38	.211	.0395	.0395	.0375	.1739	.1490	.1129
39	.217	.0508	.0508	.0378	.1739	.1490	.1129
40	.222	.0353	.0353	.0223	.1125	.0274	.0717
41	.228	.0177	.0177	.0000	.0000	.0000	.0000
42	.233	.0168	.0168	.0046	.0248	.0450	.0311
43	.239	.0181	.0181	.0049	.0078	.0078	.0118
44	.244	.0153	.0153	.0036	.0036	.0036	.0066
45	.250	.0180	.0180	.0041	.0041	.0041	.0066
46	.256	.0210	.0210	.0049	.0049	.0049	.0066
47	.261	.0170	.0170	.0049	.0519	.0450	.0330
48	.267	.0127	.0127	.0031	.0031	.0031	.0046
49	.272	.0221	.0221	.0069	.0921	.0671	.0532
50	.278	.0187	.0187	.0086	.1494	.1284	.0824
51	.283	.0174	.0174	.0086	.0975	.1197	.0824
52	.289	.0166	.0166	.0036	.0463	.1222	.0462
53	.294	.0146	.0146	.0016	.0016	.0016	.0025
54	.300	.0131	.0131	.0000	.0000	.0000	.0000
55	.306	.0114	.0114	.0000	.0000	.0000	.0000
56	.311	.0076	.0076	.0000	.0000	.0000	.0000
57	.317	.0119	.0114	.0000	.0000	.0000	.0000
58	.322	.0122	.0114	.0000	.0000	.0000	.0000
59	.328	.0111	.0114	.0000	.0000	.0000	.0000
60	.333	.0099	.0103	.0000	.0000	.0000	.0000

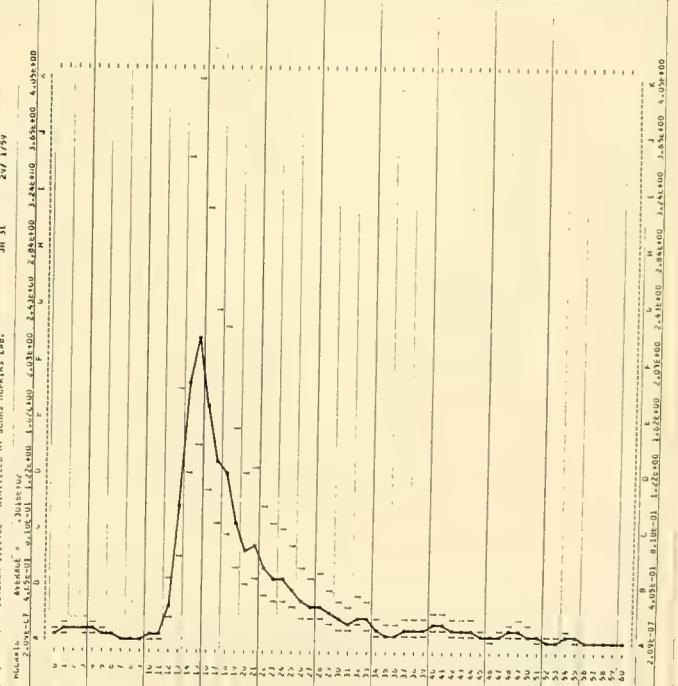


SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHN HOPKINS LAB.

DATE = 20 / 1/59  
 SIG. MEAS. = 18.5  
 CURR. VAR. = 17.0  
 NOISE LEVEL = .0086  
 WIND SPEED = 40

REC'D = JM 33

N	FREQ.	UNIT FT. 2	FILTERED	LESS NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0620	.0620	.0535	.0535	.0480	.0346
1	.006	.0845	.0845	.0759	.0759	.1400	.0444
2	.011	.1098	.1098	.0993	.0993	.1011	.0664
3	.017	.0936	.0936	.0891	.0891	.1580	.0542
4	.022	.1817	.1817	.1716	.1716	.1158	.0482
5	.028	.0607	.0607	.0521	.0521	.0601	.0332
6	.033	.0283	.0283	.0208	.0208	.0208	.0166
7	.039	.0154	.0144	.0208	.0327	.0003	.0208
8	.044	.0151	.0151	.0074	.0074	.0144	.0050
9	.050	.0160	.0160	.0000	.0078	.0144	.0050
10	.056	.0346	.0346	.0262	.0262	.0513	.0177
11	.061	.0360	.0360	.0255	.0255	.0467	.0168
12	.067	.2463	.2463	.2376	.2376	.2463	.1553
13	.072	.0928	.0928	.8613	.8613	1.1179	.0260
14	.078	1.0604	1.0604	1.0150	1.0150	2.4078	1.1900
15	.083	2.5944	2.5944	2.5008	2.1983	4.0518	1.3977
16	.088	1.9588	1.9588	1.9053	1.8028	3.1127	1.0773
17	.094	1.0919	1.0919	1.1533	1.057	2.0006	.8316
18	.100	1.0805	1.0805	1.0720	1.2253	2.4462	.7770
19	.105	.7244	.7244	.7168	.8462	1.2506	.3188
20	.111	.5377	.5377	.5292	.6438	1.1378	.4138
21	.117	.3269	.3269	.3184	.3760	1.4234	.2766
22	.122	.2965	.2965	.2880	.3239	.6049	.3333
23	.128	.3321	.3321	.3246	.3824	.0962	.2951
24	.133	.3073	.3073	.2998	.3564	.0962	.2951
25	.139	.2861	.2861	.2786	.3074	.1104	.2670
26	.144	.1787	.1787	.1701	.2036	.2231	.1867
27	.150	.1461	.1461	.1376	.1733	.4301	.1486
28	.156	.1441	.1441	.1355	.1644	.4720	.1463
29	.161	.1104	.1104	.1018	.1260	.3787	.1312
30	.167	.0759	.0759	.0672	.1459	.0888	.0929
31	.172	.0623	.0623	.0537	.1352	.1466	.0827
32	.178	.0758	.0758	.0672	.1092	.1119	.1077
33	.183	.0870	.0870	.0784	.1088	.1248	.1011
34	.189	.0399	.0399	.0313	.0588	.1701	.0588
35	.194	.0270	.0270	.0184	.0280	.1008	.0376
36	.200	.0246	.0246	.0160	.0260	.1032	.0358
37	.206	.0301	.0301	.0216	.0262	.1510	.0524
38	.211	.0264	.0264	.0180	.0268	.1600	.0533
39	.217	.0258	.0258	.0172	.0788	.1453	.0542
40	.222	.0267	.0267	.0171	.1085	.1463	.0578
41	.228	.0294	.0279	.0145	.1076	.1463	.0578
42	.233	.0211	.0231	.0145	.0895	.1849	.0570
43	.239	.0207	.0208	.0119	.0810	.1493	.0456
44	.244	.0206	.0191	.0105	.0750	.1468	.0507
45	.250	.0127	.0127	.0077	.0673	.0888	.0367
46	.256	.0098	.0110	.0025	.0225	.0433	.0194
47	.261	.0110	.0110	.0025	.0025	.0849	.0224
48	.267	.0158	.0147	.0031	.0352	.1247	.0484
49	.272	.0180	.0159	.0020	.0271	.1247	.0484
50	.278	.0264	.0216	.0000	.0000	.1723	.0595
51	.283	.0297	.0216	.0000	.0000	.1109	.0349
52	.289	.0297	.0161	.0015	.0257	.0473	.0183
53	.294	.0059	.0045	.0000	.0000	.0283	.0084
54	.300	.0183	.0092	.0000	.0141	.0760	.0090
55	.306	.0095	.0095	.0013	.0033	.0614	.0212
56	.311	.0084	.0084	.0000	.0000	.0774	.0080
57	.317	.0076	.0076	.0000	.0000	.0000	.0000
58	.322	.0059	.0066	.0000	.0000	.0000	.0000
59	.328	.0081	.0081	.0000	.0000	.0000	.0000
60	.333	.0088	.0080	.0000	.0000	.0000	.0000

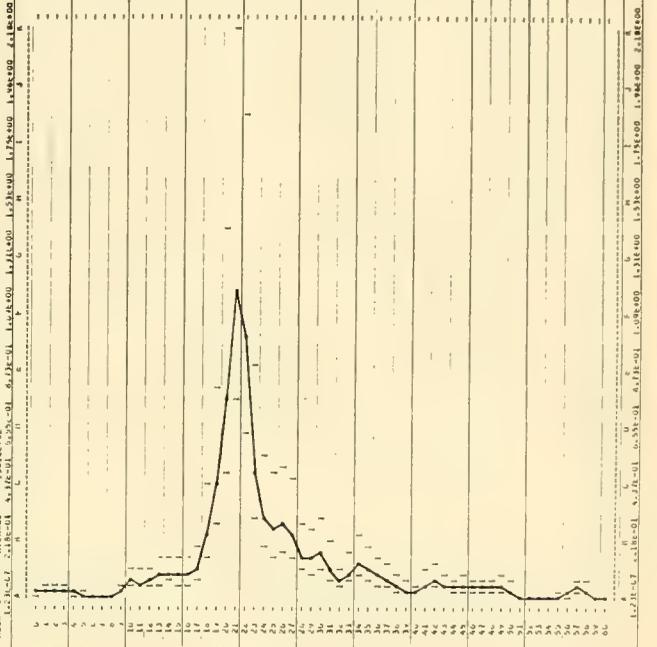




SPECTRA MINICASTING OCTUBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 24 / 1/59		REV. IN = 7.0		RECNO = JM 32			
MCLR = 0		SIG.MGT = 11.1		CORR. VAR. = 7.2			
TOTAL CP = 159		NOISE LEVEL = .0049		WIND SPEED = 35			
M	FREQ.	UNIT+FFT.Z	FILENO	LESS AC136	LOWR.FT.Z	UPPER	LOWR
0	.000	.0179	.0179	.0140	.0140	.0239	.0063
1	.004	.0208	.0208	.0213	.0213	.0298	.0137
2	.011	.0319	.0319	.0370	.0370	.0497	.0182
3	.017	.0272	.0272	.0223	.0223	.0311	.0147
4	.024	.0415	.0415	.0485	.0485	.0604	.0205
5	.030	.0519	.0519	.0567	.0567	.0673	.0263
6	.033	.0508	.0508	.0508	.0508	.0508	.0218
7	.037	.0583	.0583	.0534	.0534	.0588	.0250
8	.044	.0692	.0692	.0632	.0632	.0670	.0284
9	.050	.0820	.0820	.0701	.0701	.0711	.0312
10	.054	.0963	.0963	.0814	.0814	.0806	.0338
11	.062	.0975	.0975	.0825	.0825	.0808	.0347
12	.067	.0843	.0843	.0744	.0744	.0723	.0330
13	.072	.0870	.0870	.0781	.0781	.0756	.0338
14	.078	.0880	.0880	.0831	.0831	.0805	.0348
15	.083	.0841	.0841	.0792	.0792	.0756	.0330
16	.088	.0845	.0845	.0795	.0795	.0758	.0338
17	.094	.1011	.1011	.0924	.0924	.0875	.0375
18	.100	.1105	.1105	.1018	.1018	.0967	.0404
19	.108	.1319	.1319	.1270	.1270	.1245	.0430
20	.111	.0804	.0804	.0755	.0755	.0720	.0381
21	.113	.1289	.1289	.1239	.1239	.1214	.0407
22	.162	.1522	.1522	.1473	.1473	.1448	.0388
23	.168	.1505	.1505	.1456	.1456	.1431	.0379
24	.183	.1643	.1643	.1594	.1594	.1569	.0387
25	.187	.1673	.1673	.1624	.1624	.1599	.0396
26	.194	.1845	.1845	.1796	.1796	.1771	.0422
27	.190	.1845	.1845	.1796	.1796	.1771	.0422
28	.198	.1845	.1845	.1796	.1796	.1771	.0422
29	.181	.0772	.0772	.0723	.0723	.0698	.0363
30	.183	.0837	.0837	.0788	.0788	.0763	.0372
31	.172	.0535	.0535	.0486	.0486	.0461	.0321
32	.178	.0882	.0882	.0833	.0833	.0808	.0377
33	.183	.0885	.0885	.0836	.0836	.0811	.0386
34	.189	.0840	.0840	.0791	.0791	.0766	.0377
35	.194	.0885	.0885	.0836	.0836	.0811	.0386
36	.200	.0928	.0928	.0879	.0879	.0854	.0395
37	.208	.0944	.0944	.0895	.0895	.0870	.0404
38	.211	.0918	.0918	.0869	.0869	.0844	.0395
39	.217	.0918	.0918	.0869	.0869	.0844	.0395
40	.224	.0927	.0927	.0878	.0878	.0853	.0404
41	.228	.0910	.0910	.0861	.0861	.0836	.0395
42	.233	.0917	.0917	.0868	.0868	.0843	.0404
43	.239	.0912	.0912	.0863	.0863	.0838	.0395
44	.246	.0904	.0904	.0855	.0855	.0830	.0386
45	.250	.0915	.0915	.0866	.0866	.0841	.0404
46	.256	.0901	.0901	.0852	.0852	.0827	.0386
47	.261	.0910	.0910	.0861	.0861	.0836	.0395
48	.267	.0907	.0907	.0858	.0858	.0833	.0386
49	.272	.0907	.0907	.0858	.0858	.0833	.0386
50	.278	.0912	.0912	.0863	.0863	.0838	.0404
51	.283	.0908	.0908	.0859	.0859	.0834	.0386
52	.289	.0903	.0903	.0854	.0854	.0829	.0386
53	.294	.0903	.0903	.0854	.0854	.0829	.0386
54	.300	.0901	.0901	.0852	.0852	.0827	.0386
55	.306	.0901	.0901	.0852	.0852	.0827	.0386
56	.311	.0902	.0902	.0853	.0853	.0828	.0386
57	.317	.0902	.0902	.0853	.0853	.0828	.0386
58	.322	.0902	.0902	.0853	.0853	.0828	.0386
59	.328	.0902	.0902	.0853	.0853	.0828	.0386
60	.333	.0902	.0902	.0853	.0853	.0828	.0386

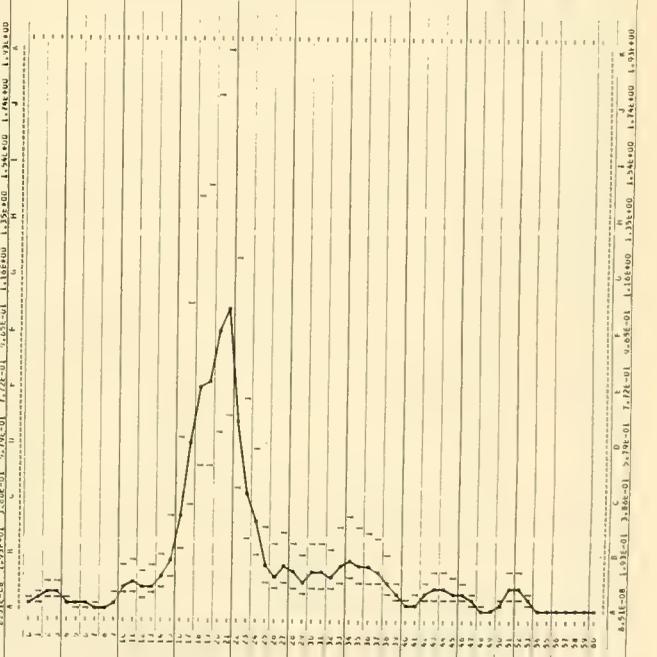
OCTUBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.



SPECTRA MINICASTING OCTUBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 26 / 1/59		REV. IN = 12.0		RECNO = JM 33			
MCLR = 0		SIG.MGT = 11.1		CORR. VAR. = 7.2			
TOTAL CP = 159		NOISE LEVEL = .0049		WIND SPEED = 40			
M	FREQ.	UNIT+FFT.Z	FILENO	LESS AC136	LOWR.FT.Z	UPPER	LOWR
0	.000	.0204	.0204	.0233	.0233	.0429	.0146
1	.006	.0384	.0384	.0362	.0362	.0558	.0205
2	.011	.0593	.0593	.0531	.0531	.0779	.0338
3	.017	.0545	.0545	.0484	.0484	.0689	.0300
4	.024	.0626	.0626	.0493	.0493	.0554	.0184
5	.030	.0610	.0610	.0520	.0520	.0682	.0260
6	.033	.0515	.0515	.0461	.0461	.0584	.0240
7	.039	.0617	.0617	.0566	.0566	.0661	.0255
8	.044	.0699	.0699	.0628	.0628	.0703	.0281
9	.050	.0821	.0821	.0754	.0754	.0831	.0318
10	.056	.0875	.0875	.0814	.0814	.0855	.0351
11	.061	.1015	.1015	.0954	.0954	.0984	.0380
12	.067	.0944	.0944	.0882	.0882	.0920	.0406
13	.072	.0979	.0979	.0917	.0917	.0951	.0431
14	.079	.1073	.1073	.1012	.1012	.1046	.0460
15	.083	.1168	.1168	.1107	.1107	.1141	.0489
16	.089	.1154	.1154	.1092	.1092	.1126	.0464
17	.094	.1224	.1224	.1160	.1160	.1194	.0493
18	.100	.1302	.1302	.1241	.1241	.1275	.0522
19	.106	.1376	.1376	.1315	.1315	.1349	.0551
20	.111	.1364	.1364	.1303	.1303	.1337	.0526
21	.117	.1231	.1231	.1170	.1170	.1204	.0467
22	.122	.1491	.1491	.1430	.1430	.1464	.0507
23	.128	.1505	.1505	.1444	.1444	.1478	.0532
24	.133	.1276	.1276	.1215	.1215	.1249	.0473
25	.139	.1451	.1451	.1390	.1390	.1424	.0513
26	.144	.1462	.1462	.1401	.1401	.1435	.0538
27	.150	.1553	.1553	.1492	.1492	.1526	.0563
28	.156	.1572	.1572	.1511	.1511	.1545	.0588
29	.161	.1586	.1586	.1525	.1525	.1559	.0613
30	.167	.1604	.1604	.1543	.1543	.1577	.0638
31	.172	.1604	.1604	.1543	.1543	.1577	.0638
32	.178	.1627	.1627	.1566	.1566	.1600	.0663
33	.183	.1625	.1625	.1564	.1564	.1598	.0659
34	.189	.1625	.1625	.1564	.1564	.1598	.0659
35	.194	.1625	.1625	.1564	.1564	.1598	.0659
36	.200	.1625	.1625	.1564	.1564	.1598	.0659
37	.206	.1625	.1625	.1564	.1564	.1598	.0659
38	.211	.1625	.1625	.1564	.1564	.1598	.0659
39	.217	.1625	.1625	.1564	.1564	.1598	.0659
40	.222	.1625	.1625	.1564	.1564	.1598	.0659
41	.228	.1625	.1625	.1564	.1564	.1598	.0659
42	.233	.1625	.1625	.1564	.1564	.1598	.0659
43	.239	.1625	.1625	.1564	.1564	.1598	.0659
44	.246	.1625	.1625	.1564	.1564	.1598	.0659
45	.250	.1625	.1625	.1564	.1564	.1598	.0659
46	.256	.1625	.1625	.1564	.1564	.1598	.0659
47	.261	.1625	.1625	.1564	.1564	.1598	.0659
48	.267	.1625	.1625	.1564	.1564	.1598	.0659
49	.272	.1625	.1625	.1564	.1564	.1598	.0659
50	.278	.1625	.1625	.1564	.1564	.1598	.0659
51	.283	.1625	.1625	.1564	.1564	.1598	.0659
52	.289	.1625	.1625	.1564	.1564	.1598	.0659
53	.294	.1625	.1625	.1564	.1564	.1598	.0659
54	.300	.1625	.1625	.1564	.1564	.1598	.0659
55	.306	.1625	.1625	.1564	.1564	.1598	.0659
56	.311	.1625	.1625	.1564	.1564	.1598	.0659
57	.317	.1625	.1625	.1564	.1564	.1598	.0659
58	.322	.1625	.1625	.1564	.1564	.1598	.0659
59	.328	.1625	.1625	.1564	.1564	.1598	.0659
60	.333	.1625	.1625	.1564	.1564	.1598	.0659

OCTUBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.





SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

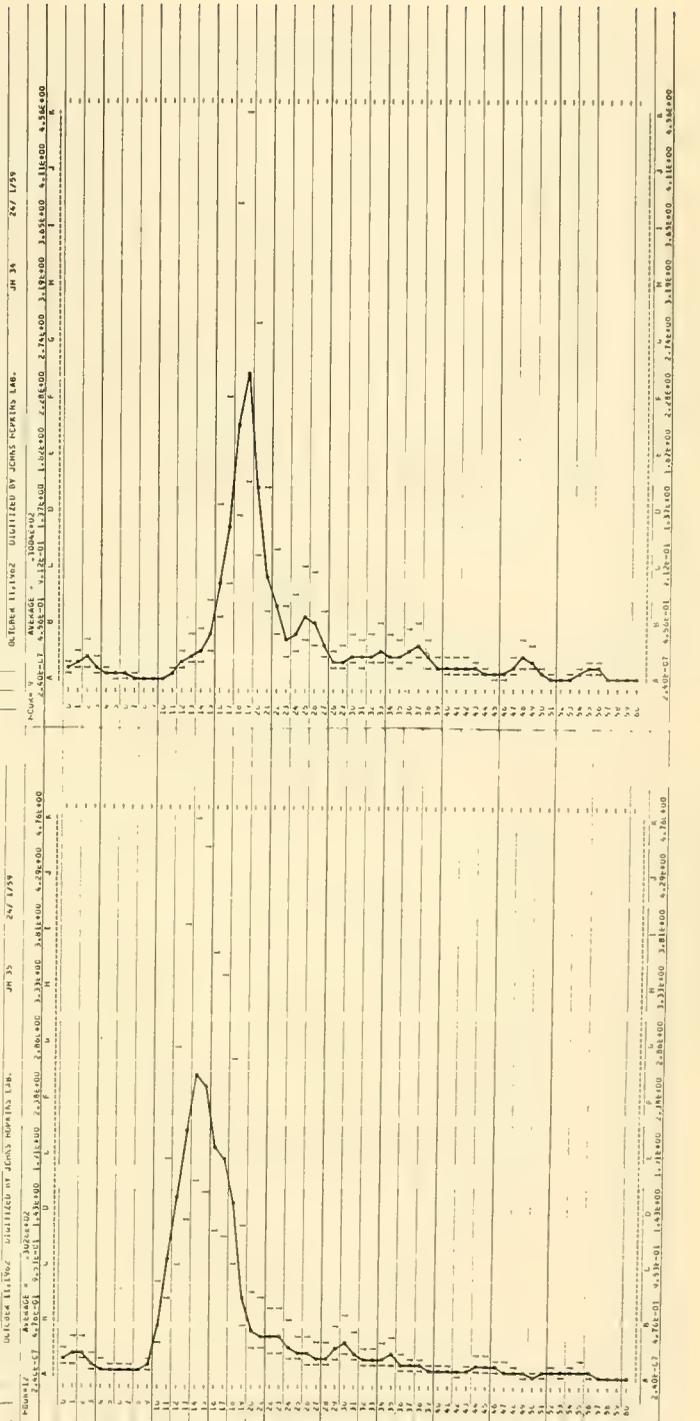
DATE = 24/1/59 SIG.MGT. = 7.2 RECHD = JM 24  
 HOUR = 9 SIG.MGT. = 10.2  
 TOTAL OF 152 CORR. VAR. = 10.4  
 NOISE LEVEL = .0110 WIND SPEED = 45

H	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0884	.0884	.0765	.0765	.1410	.0487
1	.000	.1058	.1058	.1117	.1117	.2428	.0939
2	.011	.1731	.1731	.1612	.1612	.2970	.1026
3	.017	.1077	.1077	.1050	.1050	.1767	.0610
4	.022	.0911	.0911	.0892	.0892	.1607	.0513
5	.028	.0836	.0836	.0817	.0817	.1585	.0502
6	.033	.0754	.0754	.0735	.0735	.1464	.0455
7	.039	.0627	.0627	.0608	.0608	.1264	.0391
8	.046	.0501	.0501	.0482	.0482	.1159	.0355
9	.050	.0435	.0435	.0416	.0416	.1033	.0305
10	.056	.0226	.0226	.0207	.0207	.0210	.0072
11	.061	.0483	.0483	.0464	.0464	.1078	.0373
12	.067	.1365	.1365	.1246	.1246	.2356	.0814
13	.072	.1002	.1002	.0983	.0983	.1832	.0581
14	.078	.2231	.2231	.2112	.2112	.4032	.1393
15	.083	.1507	.1507	.1388	.1388	.2569	.0820
16	.089	.1251	.1251	.1132	.1132	.1977	.0649
17	.096	1.1278	1.1278	1.1159	1.1159	2.2694	.7860
18	.100	1.8264	1.8264	1.8145	1.8145	3.8135	1.3174
19	.106	2.1082	2.1082	2.0963	2.0963	4.5613	1.5750
20	.111	1.2842	1.2842	1.2723	1.2723	2.8707	.9948
21	.117	.8681	.8681	.8562	.8562	1.5502	.5355
22	.122	.8430	.8430	.8311	.8311	1.0667	.3685
23	.128	.2384	.2384	.2265	.2265	.3125	.1089
24	.133	.2582	.2582	.2463	.2463	.3583	.1232
25	.139	.2236	.2236	.2117	.2117	.3009	.1012
26	.144	.2890	.2890	.2771	.2771	.4588	.1593
27	.150	.1282	.1282	.1163	.1163	.2435	.0878
28	.156	.0815	.0815	.0796	.0796	.1317	.0448
29	.161	.0803	.0803	.0784	.0784	.1250	.0431
30	.167	.1010	.1010	.0991	.0991	.1585	.0545
31	.172	.0827	.0827	.0808	.0808	.1343	.0451
32	.178	.0910	.0910	.0891	.0891	.1472	.0499
33	.183	.0984	.0984	.0965	.0965	.1532	.0517
34	.189	.0775	.0775	.0756	.0756	.1307	.0432
35	.196	.0457	.0457	.0438	.0438	.0822	.0274
36	.200	.0750	.0750	.0731	.0731	.1202	.0402
37	.206	.0785	.0785	.0766	.0766	.1263	.0421
38	.211	.0544	.0544	.0525	.0525	.0873	.0284
39	.217	.0354	.0354	.0335	.0335	.0577	.0186
40	.222	.0310	.0310	.0291	.0291	.0481	.0162
41	.228	.0295	.0295	.0276	.0276	.0461	.0153
42	.233	.0231	.0231	.0212	.0212	.0370	.0125
43	.239	.0251	.0251	.0232	.0232	.0352	.0123
44	.244	.0186	.0186	.0167	.0167	.0264	.0091
45	.250	.0183	.0183	.0164	.0164	.0258	.0087
46	.256	.0130	.0130	.0111	.0111	.0182	.0061
47	.261	.0232	.0232	.0213	.0213	.0378	.0128
48	.267	.0293	.0293	.0274	.0274	.0454	.0159
49	.272	.0220	.0220	.0201	.0201	.0349	.0116
50	.278	.0185	.0185	.0166	.0166	.0281	.0093
51	.283	.0143	.0143	.0124	.0124	.0209	.0070
52	.289	.0117	.0117	.0098	.0098	.0153	.0053
53	.294	.0128	.0128	.0109	.0109	.0163	.0053
54	.300	.0140	.0140	.0121	.0121	.0173	.0054
55	.306	.0134	.0134	.0115	.0115	.0167	.0053
56	.311	.0151	.0151	.0132	.0132	.0179	.0051
57	.317	.0113	.0113	.0094	.0094	.0120	.0040
58	.322	.0085	.0085	.0066	.0066	.0080	.0030
59	.328	.0085	.0085	.0066	.0066	.0080	.0030
60	.333	.0086	.0086	.0067	.0067	.0080	.0030

SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 24/1/59 SIG.MGT. = 10.7 RECHD = JM 35  
 HOUR = 12 SIG.MGT. = 21.8  
 TOTAL OF 150 CORR. VAR. = 10.8  
 NOISE LEVEL = .0109 WIND SPEED = 30

H	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1388	.1388	.1269	.1269	.2323	.0802
1	.000	.1930	.1930	.1825	.1825	.3364	.1102
2	.011	.2049	.2049	.1904	.1904	.3509	.1212
3	.017	.1192	.1192	.1074	.1074	.1974	.0684
4	.022	.0789	.0789	.0684	.0684	.1260	.0435
5	.028	.0625	.0625	.0518	.0518	.0937	.0331
6	.033	.0468	.0468	.0362	.0362	.0652	.0233
7	.039	.0486	.0486	.0358	.0358	.0677	.0230
8	.046	.0466	.0466	.0341	.0341	.0642	.0213
9	.050	.0428	.0428	.0322	.0322	.0617	.0201
10	.056	.0201	.0201	.0185	.0185	.0333	.0102
11	.061	.0879	.0879	.0773	.0773	1.0145	.0369
12	.067	1.0115	1.0115	1.0000	1.0000	2.0187	.6738
13	.072	2.0425	2.0425	2.0320	2.0320	4.0464	1.3275
14	.078	2.5072	2.5072	2.4966	2.4966	4.7627	1.6453
15	.083	3.4658	3.4658	3.4553	3.4553	6.9255	2.2618
16	.089	1.8985	1.8985	1.8880	1.8880	3.6217	1.2312
17	.096	1.7083	1.7083	1.6977	1.6977	3.4527	1.1928
18	.100	1.4974	1.4974	1.4868	1.4868	2.7001	.9328
19	.106	.5911	.5911	.5806	.5806	1.0262	.3364
20	.111	.6171	.6171	.6065	.6065	.1084	.3597
21	.117	.2861	.2861	.2755	.2755	.2509	.0829
22	.122	.4957	.4957	.4851	.4851	.3917	.0284
23	.128	.3340	.3340	.3234	.3234	.3131	.0202
24	.133	.1757	.1757	.1651	.1651	.1553	.0124
25	.139	.1216	.1216	.1110	.1110	.1015	.0080
26	.144	.1012	.1012	.0906	.0906	.0808	.0064
27	.150	.0880	.0880	.0784	.0784	.0722	.0049
28	.156	.1158	.1158	.1052	.1052	.0972	.0077
29	.161	.1366	.1366	.1260	.1260	.1062	.0132
30	.167	.1593	.1593	.1487	.1487	.1263	.0173
31	.172	.1042	.1042	.0936	.0936	.0837	.0087
32	.178	.0640	.0640	.0534	.0534	.0435	.0057
33	.183	.0578	.0578	.0472	.0472	.0366	.0047
34	.189	.0856	.0856	.0750	.0750	.0642	.0081
35	.196	.0648	.0648	.0542	.0542	.0435	.0065
36	.200	.0412	.0412	.0306	.0306	.0209	.0040
37	.206	.0312	.0312	.0207	.0207	.0163	.0029
38	.211	.0298	.0298	.0193	.0193	.0161	.0021
39	.217	.0266	.0266	.0160	.0160	.0141	.0019
40	.222	.0188	.0188	.0082	.0082	.0073	.0026
41	.228	.0177	.0177	.0074	.0074	.0063	.0025
42	.233	.0137	.0137	.0037	.0037	.0044	.0023
43	.239	.0267	.0267	.0162	.0162	.0140	.0041
44	.244	.0267	.0267	.0134	.0134	.0100	.0045
45	.250	.0206	.0206	.0110	.0110	.0073	.0032
46	.256	.0176	.0176	.0077	.0077	.0055	.0024
47	.261	.0176	.0176	.0065	.0065	.0040	.0025
48	.267	.0150	.0150	.0048	.0048	.0036	.0018
49	.272	.0125	.0125	.0034	.0034	.0024	.0015
50	.278	.0113	.0113	.0023	.0023	.0019	.0014
51	.283	.0113	.0113	.0022	.0022	.0017	.0013
52	.289	.0110	.0110	.0023	.0023	.0011	.0010
53	.294	.0111	.0111	.0014	.0014	.0013	.0009
54	.300	.0133	.0133	.0023	.0023	.0013	.0012
55	.306	.0112	.0112	.0023	.0023	.0009	.0012
56	.311	.0112	.0112	.0023	.0023	.0009	.0012
57	.317	.0100	.0100	.0000	.0000	.0000	.0000
58	.322	.0076	.0076	.0000	.0000	.0000	.0000
59	.328	.0076	.0076	.0000	.0000	.0000	.0000
60	.333	.0076	.0076	.0000	.0000	.0000	.0000

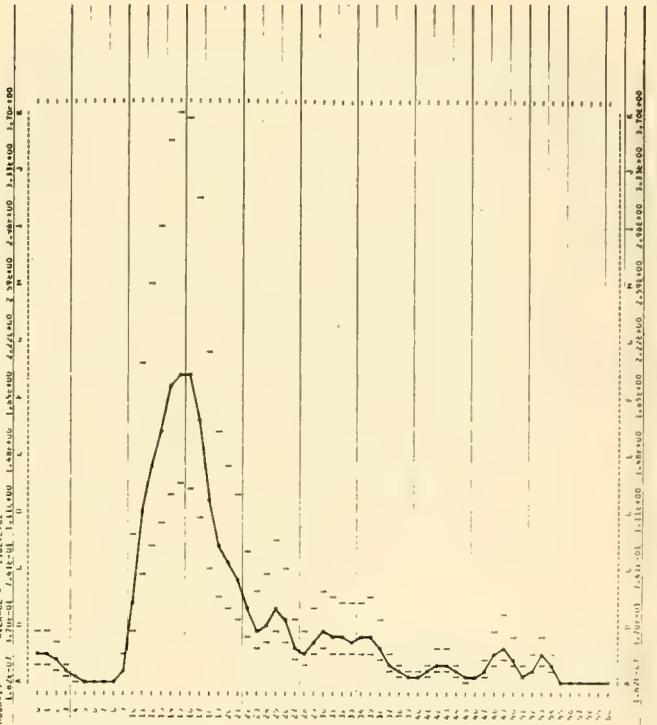




SPECTRA WINDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 24/ 1/59		AV. T <sub>0</sub> = 19.2		RECORD = JM 30		
HOUR = 15		SIG. FCT. = 24.0		WIND SPEED = 30		
TOTAL OF CHS		CORE. PARAM. = 01A9				
		NOISE LEVEL =				
M	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	UPPER	LOWER
0	0.000	1.071	1.071	1.722	1.722	1.074
1	0.005	1.057	1.057	1.807	1.807	1.151
2	0.011	1.050	1.050	1.848	1.848	1.061
3	0.017	1.044	1.044	1.889	1.889	1.023
4	0.022	1.037	1.037	1.922	1.922	1.040
5	0.028	1.029	1.029	1.956	1.956	1.040
6	0.033	1.018	1.018	1.989	1.989	1.028
7	0.039	1.011	1.011	2.002	2.002	1.052
8	0.045	1.003	1.003	2.004	2.004	1.041
9	0.050	1.000	1.000	2.003	2.003	1.047
10	0.056	1.004	1.004	2.006	2.006	1.048
11	0.061	1.025	1.025	1.975	1.975	1.046
12	0.067	1.1305	1.1305	1.858	1.858	1.040
13	0.072	1.5904	1.5904	1.5755	1.5755	1.023
14	0.078	1.6077	1.6077	1.5528	1.5528	1.2210
15	0.083	1.0268	1.0268	1.9117	1.9117	1.0708
16	0.089	1.8905	1.8905	1.4755	1.4742	1.0808
17	0.095	1.0511	1.0511	1.9462	1.9462	1.0803
18	0.100	1.0419	1.0419	1.9270	1.9270	1.044
19	0.105	1.050	1.050	1.948	1.948	1.048
20	0.111	1.050	1.050	1.948	1.948	1.048
21	0.117	1.0277	1.0277	1.928	1.928	1.045
22	0.122	1.049	1.049	1.904	1.904	1.055
23	0.128	1.0470	1.0470	1.880	1.880	1.052
24	0.133	1.050	1.050	1.880	1.880	1.045
25	0.139	1.0298	1.0298	1.94	1.94	1.04
26	0.144	1.057	1.057	1.908	1.908	1.040
27	0.150	1.040	1.040	1.880	1.880	1.047
28	0.156	1.044	1.044	1.880	1.880	1.050
29	0.161	1.048	1.048	1.880	1.880	1.048
30	0.167	1.055	1.055	1.880	1.880	1.041
31	0.172	1.058	1.058	1.880	1.880	1.040
32	0.178	1.057	1.057	1.880	1.880	1.045
33	0.183	1.056	1.056	1.880	1.880	1.043
34	0.189	1.054	1.054	1.880	1.880	1.041
35	0.195	1.054	1.054	1.880	1.880	1.046
36	0.200	1.057	1.057	1.880	1.880	1.047
37	0.206	1.0429	1.0429	1.880	1.880	1.047
38	0.211	1.0310	1.0310	1.880	1.880	1.048
39	0.217	1.0248	1.0248	1.880	1.880	1.0287
40	0.222	1.0210	1.0210	1.880	1.880	1.048
41	0.228	1.0208	1.0208	1.880	1.880	1.048
42	0.233	1.0359	1.0359	1.880	1.880	1.048
43	0.239	1.0350	1.0350	1.880	1.880	1.048
44	0.244	1.040	1.040	1.880	1.880	1.048
45	0.250	1.0408	1.0408	1.880	1.880	1.048
46	0.256	1.0427	1.0427	1.880	1.880	1.048
47	0.261	1.0221	1.0221	1.880	1.880	1.048
48	0.267	1.0335	1.0335	1.880	1.880	1.048
49	0.272	1.0362	1.0362	1.880	1.880	1.048
50	0.278	1.0233	1.0233	1.880	1.880	1.048
51	0.283	1.0446	1.0446	1.880	1.880	1.048
52	0.289	1.0209	1.0209	1.880	1.880	1.048
53	0.294	1.0256	1.0256	1.880	1.880	1.048
54	0.300	1.0175	1.0175	1.880	1.880	1.048
55	0.306	1.0128	1.0128	1.880	1.880	1.048
56	0.311	1.0109	1.0109	1.880	1.880	1.048
57	0.317	1.0128	1.0128	1.880	1.880	1.048
58	0.322	1.0109	1.0109	1.880	1.880	1.048
59	0.328	1.0096	1.0096	1.880	1.880	1.048
60	0.333	1.0075	1.0075	1.880	1.880	1.048

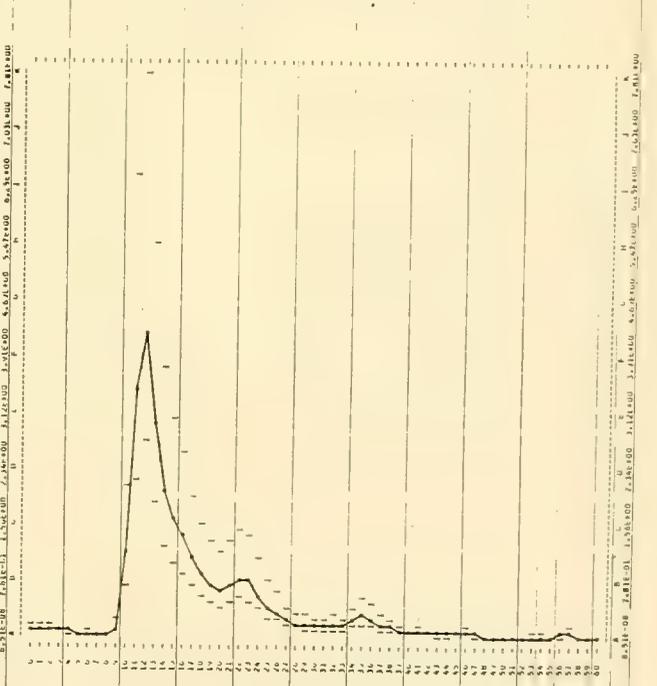
UPPER FILTERED DIGITIZED BY JONAS HOPKINS LAB.  
 AVERAGE = 1.04808  
 LOWER FILTERED DIGITIZED BY JONAS HOPKINS LAB.



SPECTRA WINDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 24/ 1/59		AV. T <sub>0</sub> = 20.9		RECORD = JM 37		
HOUR = 18		SIG. FCT. = 24.0		WIND SPEED = 30		
TOTAL OF CHS		CORE. PARAM. = 01A9				
		NOISE LEVEL =				
M	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	UPPER	LOWER
0	0.000	0.743	0.743	0.846	0.846	1.191
1	0.005	1.021	1.021	1.044	1.044	1.178
2	0.011	1.111	1.111	1.034	1.034	1.040
3	0.017	0.717	0.717	0.820	0.820	1.143
4	0.022	0.927	0.927	0.805	0.805	1.028
5	0.028	0.928	0.928	0.701	0.701	1.028
6	0.033	0.926	0.926	0.849	0.849	1.049
7	0.039	0.844	0.844	0.817	0.817	1.049
8	0.045	0.936	0.936	0.859	0.859	1.071
9	0.050	1.111	1.111	1.014	1.014	1.071
10	0.056	1.0963	1.0963	1.030	1.030	1.135
11	0.061	1.0441	1.0441	1.134	1.134	1.028
12	0.067	1.010	1.010	1.119	1.119	1.088
13	0.072	2.8957	2.8957	2.560	2.561	1.084
14	0.078	1.9573	1.9573	1.976	1.976	1.085
15	0.083	1.5762	1.5762	1.560	1.561	1.088
16	0.089	1.331	1.331	1.235	1.237	1.080
17	0.095	1.061	1.061	1.044	1.041	1.078
18	0.100	1.7479	1.7479	1.782	1.782	1.050
19	0.105	0.859	0.859	0.762	0.762	1.070
20	0.111	1.030	1.030	1.133	1.133	1.014
21	0.117	1.012	1.012	1.015	1.015	1.041
22	0.122	1.008	1.008	0.971	0.971	1.04
23	0.128	1.044	1.044	1.048	1.048	1.042
24	0.133	1.047	1.047	0.971	0.971	1.040
25	0.139	1.080	1.080	1.013	1.013	1.040
26	0.144	1.003	1.003	1.036	1.036	1.040
27	0.150	1.107	1.107	1.070	1.070	1.040
28	0.156	1.079	1.079	1.082	1.082	1.040
29	0.161	1.045	1.045	0.980	0.980	1.040
30	0.167	0.741	0.741	0.844	0.844	1.040
31	0.172	0.800	0.800	0.912	0.912	1.040
32	0.178	0.892	0.892	0.946	0.946	1.040
33	0.183	0.980	0.980	0.943	0.943	1.040
34	0.189	0.795	0.795	0.846	0.846	1.110
35	0.195	1.012	1.012	0.926	0.926	1.087
36	0.200	0.768	0.768	0.821	0.821	1.040
37	0.206	0.957	0.957	0.940	0.940	1.115
38	0.211	0.978	0.978	1.041	1.041	1.040
39	0.217	0.837	0.837	0.940	0.940	1.040
40	0.222	0.823	0.823	0.920	0.920	1.040
41	0.228	0.823	0.823	0.920	0.920	1.040
42	0.233	0.918	0.918	1.012	1.012	1.040
43	0.239	0.915	0.915	0.918	0.918	1.040
44	0.244	0.911	0.911	0.918	0.918	1.040
45	0.250	0.914	0.914	0.918	0.918	1.040
46	0.256	0.918	0.918	0.918	0.918	1.040
47	0.261	0.918	0.918	0.918	0.918	1.040
48	0.267	0.918	0.918	0.918	0.918	1.040
49	0.272	0.918	0.918	0.918	0.918	1.040
50	0.278	0.918	0.918	0.918	0.918	1.040
51	0.283	0.918	0.918	0.918	0.918	1.040
52	0.289	0.918	0.918	0.918	0.918	1.040
53	0.294	0.918	0.918	0.918	0.918	1.040
54	0.300	0.918	0.918	0.918	0.918	1.040
55	0.306	0.918	0.918	0.918	0.918	1.040
56	0.311	0.918	0.918	0.918	0.918	1.040
57	0.317	0.918	0.918	0.918	0.918	1.040
58	0.322	0.918	0.918	0.918	0.918	1.040
59	0.328	0.918	0.918	0.918	0.918	1.040
60	0.333	0.918	0.918	0.918	0.918	1.040

UPPER FILTERED DIGITIZED BY JONAS HOPKINS LAB.  
 AVERAGE = 1.04808  
 LOWER FILTERED DIGITIZED BY JONAS HOPKINS LAB.





SPECTRA MINUCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPKINS LAB.

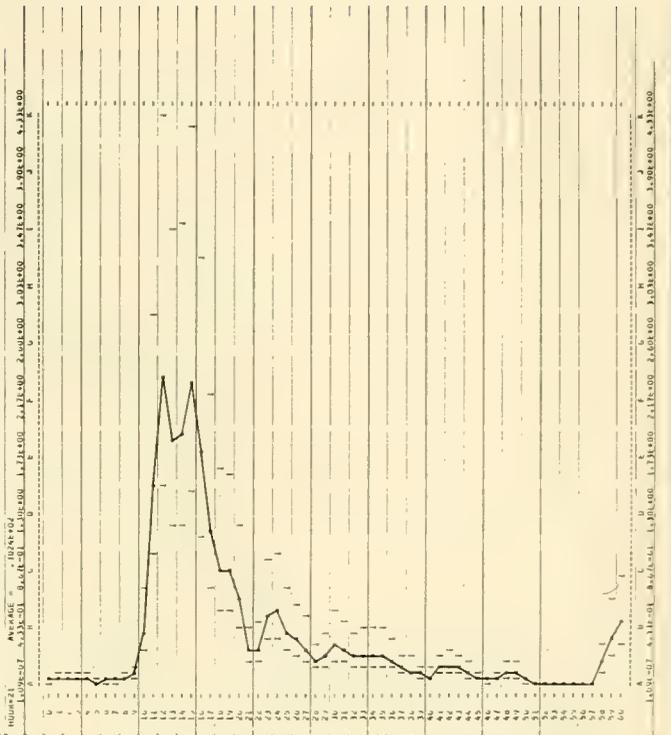
DATE = 247 1/59 SIG. F.T. = 7.7 RECORD = JM 38  
 HCR = 21 SIG. WGT. = 1/1  
 TOTAL OF = 110 CORR. VAR. = 22.2  
 NOISE LEVEL = .0006 WIND SPEED = 20

H	FREQ.	UNIT-FT.2	FILTERED	LESS NCISEL	CORR.FT.2	UPPER	LOWER
0	.000	.0404	.0404	.0306	.0306	.0564	.0195
1	.008	.0524	.0524	.0439	.0439	.0803	.0277
2	.016	.0606	.0606	.0588	.0588	.1083	.0376
3	.024	.0674	.0674	.0575	.0575	.1060	.0366
4	.032	.0487	.0487	.0388	.0388	.0716	.0267
5	.040	.0270	.0270	.0180	.0180	.0332	.0115
6	.033	.0208	.0208	.0170	.0208	.0494	.0171
7	.030	.0356	.0356	.0255	.0255	.0825	.0216
8	.044	.0430	.0430	.0331	.0355	.0727	.0251
9	.050	.0767	.0767	.0650	.0767	.1368	.0473
10	.050	.3904	.3904	.3806	.4040	.7457	.576
11	.001	1.4870	1.4870	1.4772	1.5228	2.8248	.9759
12	.002	2.3024	2.3024	2.2925	2.3514	4.3960	1.4913
13	.021	1.8798	1.8798	1.8298	1.8774	3.4803	1.1954
14	.018	1.8526	1.8526	1.8423	1.9073	3.3154	1.2466
15	.083	2.1946	2.1946	2.1848	2.2711	4.2339	1.4627
16	.049	1.6727	1.6727	1.6228	1.7881	3.5988	1.1258
17	.094	1.0281	1.0281	1.0281	1.1897	2.1827	.7526
18	.100	.7887	.7887	.7788	.8866	1.8342	.5646
19	.108	.7545	.7545	.7446	.8760	1.8201	.5597
20	.111	.5547	.5547	.5449	.6691	1.2333	.4261
21	.112	.1584	.1584	.1485	.1816	.6654	.1539
22	.124	.2178	.2178	.2178	.2574	.8958	.1882
23	.148	.3283	.3283	.3283	.3886	.9578	.3309
24	.153	.1867	.1867	.1768	.2008	1.1113	.3677
25	.139	.2597	.2597	.2498	.2931	.7245	.2503
26	.144	.1083	.1083	.1083	.1283	.6031	.2091
27	.150	.1655	.1655	.1556	.1761	.5088	.1758
28	.134	.1024	.1024	.1024	.1151	.3227	.1115
29	.161	.1135	.1135	.1135	.1335	.3867	.1336
30	.167	.1457	.1457	.1358	.1559	.5437	.1870
31	.178	.1957	.1957	.1858	.1959	.4864	.1664
32	.178	.0953	.0953	.0854	.1151	.3964	.1369
33	.183	.0920	.0920	.0821	.1022	.4160	.1437
34	.189	.0861	.0861	.0762	.1063	.4164	.1422
35	.194	.0823	.0823	.0724	.1025	.4275	.1477
36	.200	.0834	.0834	.0735	.1036	.4483	.1549
37	.206	.0416	.0416	.0317	.1208	.2227	.0769
38	.211	.0354	.0354	.0255	.1005	.1464	.0878
39	.217	.0254	.0254	.0155	.0714	.1315	.0584
40	.222	.0224	.0224	.0125	.0635	.1171	.0404
41	.228	.0342	.0342	.0243	.1158	.2334	.0717
42	.233	.0331	.0331	.0232	.1352	.2442	.0861
43	.239	.0260	.0260	.0161	.1152	.2142	.0710
44	.244	.0244	.0244	.0145	.1004	.1866	.0576
45	.250	.0143	.0143	.0044	.0518	.0954	.0330
46	.256	.0112	.0112	.0013	.0268	.0545	.0188
47	.261	.0157	.0157	.0058	.0564	.1039	.0379
48	.267	.0201	.0201	.0102	.0683	.1312	.0458
49	.272	.0149	.0149	.0050	.0885	.1630	.0543
50	.278	.0167	.0167	.0069	.0790	.0935	.0185
51	.283	.0083	.0083	.0000	.0000	.0000	.0000
52	.289	.0070	.0070	.0000	.0000	.0000	.0000
53	.294	.0068	.0068	.0000	.0000	.0000	.0000
54	.300	.0063	.0063	.0000	.0000	.0000	.0000
55	.306	.0048	.0048	.0000	.0000	.0000	.0000
56	.311	.0000	.0000	.0000	.0000	.0000	.0000
57	.317	.0091	.0091	.0000	.0000	.0000	.0000
58	.322	.0143	.0143	.0044	.0144	.0931	.0348
59	.328	.0176	.0176	.0070	.1489	.0431	.2222
60	.333	.0178	.0177	.0079	.4554	.0593	.2900

247 1/59 JM 38

JM 38

DULLES 11/16/62 DIGITIZED BY JONAS MCPKINS LAB.



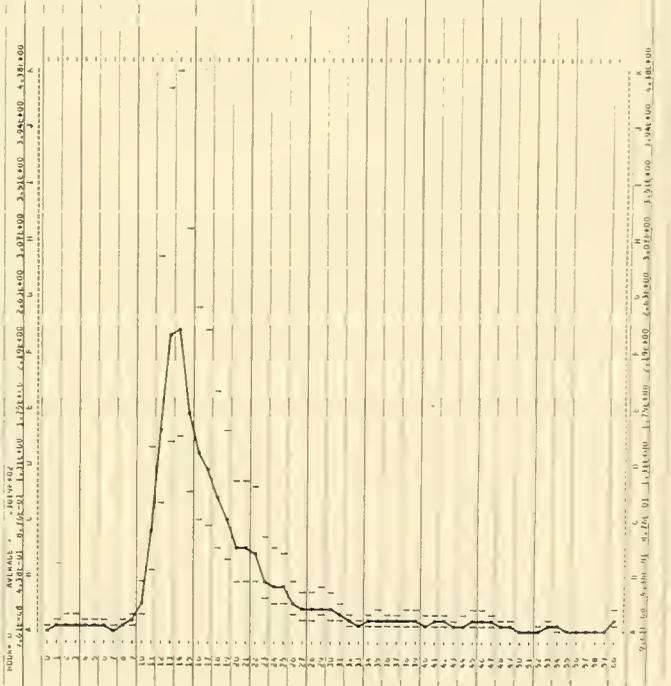
SPECTRA MINUCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPKINS LAB.

DATE = 257 1/59 SIG. F.T. = 8.9 RECORD = JM 39  
 HCR = 21 SIG. WGT. = 1/1  
 TOTAL OF = 120 CORR. VAR. = 14.5  
 NOISE LEVEL = .0004 WIND SPEED = 15

H	FREQ.	UNIT-FT.2	FILTERED	LESS NCISEL	CORR.FT.2	UPPER	LOWER
0	.000	.0276	.0276	.0192	.0192	.0354	.0122
1	.006	.0454	.0454	.0371	.0371	.0683	.0216
2	.011	.0718	.0718	.0634	.0634	.1205	.0444
3	.017	.0736	.0736	.0652	.0652	.1202	.0415
4	.022	.0583	.0583	.0499	.0499	.0940	.0348
5	.028	.0515	.0515	.0432	.0432	.0735	.0275
6	.033	.0385	.0385	.0297	.0297	.0787	.0272
7	.039	.0227	.0227	.0144	.0144	.0352	.0122
8	.044	.0389	.0389	.0306	.0306	.0497	.0232
9	.050	.0714	.0714	.0631	.0631	.1280	.0466
10	.056	.2176	.2176	.2092	.2224	.4099	.1416
11	.061	.1838	.1838	.1754	.1886	.3444	.1200
12	.067	1.5616	1.5616	1.5533	1.5932	2.9365	1.0345
13	.072	2.2647	2.2647	2.2564	2.3150	4.2669	1.4741
14	.078	2.2057	2.2057	2.1974	2.2777	4.3625	1.5160
15	.083	1.6272	1.6272	1.6189	1.7021	3.1372	1.0938
16	.089	1.3074	1.3074	1.2990	1.3813	2.5459	.8745
17	.094	1.1788	1.1788	1.1703	1.2513	2.3800	.8222
18	.100	.9148	.9148	.9063	1.0119	1.9220	.6571
19	.106	.7327	.7327	.7244	.8100	1.5970	.5462
20	.111	.5266	.5266	.5183	.6044	1.1731	.4052
21	.117	.5057	.5057	.4973	.5816	1.1748	.4050
22	.122	.4728	.4728	.4644	.5435	1.1491	.3970
23	.128	.3028	.3028	.2944	.3555	.6254	.2244
24	.133	.2495	.2495	.2411	.2904	.4534	.1644
25	.139	.2184	.2184	.2100	.2504	.4000	.1404
26	.144	.1430	.1430	.1346	.1646	.2840	.1040
27	.150	.1035	.1035	.0952	.1168	.2111	.0775
28	.156	.0983	.0983	.0900	.1027	.1917	.0717
29	.161	.0970	.0970	.0887	.1004	.1906	.0712
30	.167	.0832	.0832	.0749	.0865	.1645	.0575
31	.172	.0576	.0576	.0492	.0608	.1115	.0371
32	.178	.0383	.0383	.0300	.0374	.0730	.0260
33	.183	.0281	.0281	.0198	.0272	.0502	.0182
34	.189	.0329	.0329	.0245	.0273	.0432	.0160
35	.194	.0382	.0382	.0298	.0326	.0473	.0180
36	.200	.0295	.0295	.0211	.0239	.0358	.0129
37	.206	.0264	.0264	.0181	.0209	.0320	.0117
38	.211	.0342	.0342	.0258	.0286	.0430	.0160
39	.217	.0276	.0276	.0192	.0220	.0362	.0129
40	.222	.0213	.0213	.0130	.0158	.0284	.0104
41	.228	.0224	.0224	.0142	.0170	.0293	.0111
42	.233	.0262	.0262	.0174	.0202	.0333	.0129
43	.239	.0156	.0156	.0072	.0098	.0184	.0065
44	.244	.0161	.0161	.0083	.0109	.0180	.0061
45	.250	.0205	.0205	.0124	.0150	.0221	.0080
46	.256	.0182	.0182	.0106	.0132	.0193	.0074
47	.261	.0127	.0127	.0048	.0074	.0126	.0040
48	.267	.0143	.0143	.0060	.0086	.0144	.0048
49	.272	.0169	.0169	.0082	.0108	.0160	.0056
50	.278	.0174	.0174	.0087	.0113	.0164	.0058
51	.283	.0074	.0074	.0000	.0000	.0000	.0000
52	.289	.0076	.0076	.0000	.0000	.0000	.0000
53	.294	.0097	.0097	.0000	.0000	.0000	.0000
54	.299	.0112	.0112	.0000	.0000	.0000	.0000
55	.306	.0070	.0070	.0000	.0000	.0000	.0000
56	.311	.0072	.0072	.0000	.0000	.0000	.0000
57	.317	.0066	.0066	.0000	.0000	.0000	.0000
58	.322	.0069	.0069	.0000	.0000	.0000	.0000
59	.328	.0065	.0065	.0000	.0000	.0000	.0000
60	.333	.0110	.0100	.0018	.0037	.0127	.0059

257 1/59 JM 39

DULLES 11/16/62 DIGITIZED BY JONAS MCPKINS LAB.

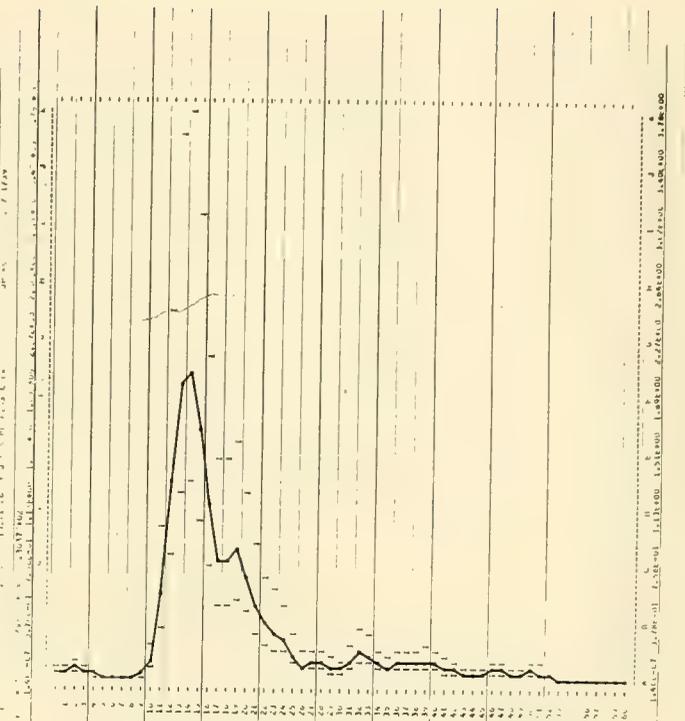




SPECTRA MINICASTING Q.TURK 11,1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 10/17/50 AV. TO = 16.4 REEL# = JM 50  
 CURR. WAVE. = 16.4  
 NOISE LEVEL = -0.088 WIND SPEED = 20

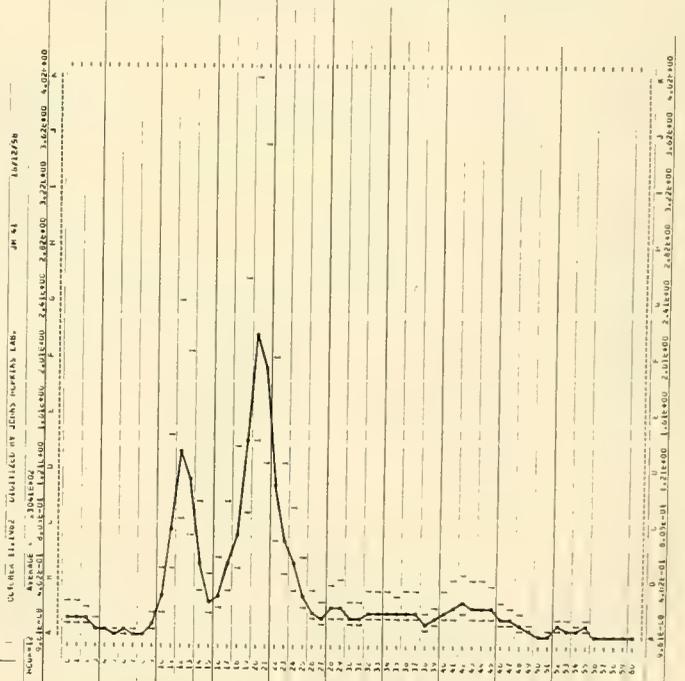
P	FREQ.	LINE#FF.2	FILTERED	LESS ACISL	CURR.FT.2	UPPER	LOWER
0	000	0038	0038	0030	0037C	0082	0026
1	008	0038	0038	0030	0037C	0082	0026
2	011	0045	0045	0037	0044	0100	0030
3	017	0042	0042	0034	0048	0084	0028
4	022	0034	0034	0028	0036	0054	0010
5	028	0038	0038	0030	0037C	0082	0026
6	034	0035	0035	0027	0033	0074	0027
7	039	0040	0040	0032	0039	0075	0028
8	044	0031	0031	0025	0030	0061	0023
9	050	0034	0034	0028	0033	0044	0012
10	056	0030	0030	0024	0029	0037	0007
11	061	0028	0028	0022	0027	0034	0007
12	067	0037	0037	0030	0036	0080	0027
13	072	0030	0030	0024	0029	0040	0012
14	078	0034	0034	0028	0033	0048	0014
15	083	0037	0037	0030	0036	0080	0027
16	089	0030	0030	0024	0029	0040	0012
17	094	0034	0034	0028	0033	0048	0014
18	100	0038	0038	0030	0037C	0082	0026
19	105	0040	0040	0032	0039	0075	0028
20	111	0042	0042	0034	0040	0084	0028
21	117	0049	0049	0041	0048	0100	0030
22	122	0042	0042	0034	0040	0084	0028
23	128	0038	0038	0030	0037C	0082	0026
24	133	0040	0040	0032	0039	0075	0028
25	139	0031	0031	0025	0030	0061	0023
26	144	0034	0034	0028	0033	0044	0012
27	150	0030	0030	0024	0029	0037	0007
28	155	0034	0034	0028	0033	0048	0014
29	161	0038	0038	0030	0037C	0082	0026
30	166	0040	0040	0032	0039	0075	0028
31	172	0042	0042	0034	0040	0084	0028
32	177	0049	0049	0041	0048	0100	0030
33	182	0042	0042	0034	0040	0084	0028
34	188	0038	0038	0030	0037C	0082	0026
35	193	0040	0040	0032	0039	0075	0028
36	199	0042	0042	0034	0040	0084	0028
37	204	0049	0049	0041	0048	0100	0030
38	209	0042	0042	0034	0040	0084	0028
39	215	0038	0038	0030	0037C	0082	0026
40	220	0040	0040	0032	0039	0075	0028
41	226	0042	0042	0034	0040	0084	0028
42	231	0049	0049	0041	0048	0100	0030
43	236	0042	0042	0034	0040	0084	0028
44	242	0038	0038	0030	0037C	0082	0026
45	247	0040	0040	0032	0039	0075	0028
46	253	0042	0042	0034	0040	0084	0028
47	258	0049	0049	0041	0048	0100	0030
48	263	0042	0042	0034	0040	0084	0028
49	269	0038	0038	0030	0037C	0082	0026
50	274	0040	0040	0032	0039	0075	0028
51	280	0042	0042	0034	0040	0084	0028
52	285	0049	0049	0041	0048	0100	0030
53	290	0042	0042	0034	0040	0084	0028
54	296	0038	0038	0030	0037C	0082	0026
55	301	0040	0040	0032	0039	0075	0028
56	307	0042	0042	0034	0040	0084	0028
57	312	0049	0049	0041	0048	0100	0030
58	317	0042	0042	0034	0040	0084	0028
59	323	0038	0038	0030	0037C	0082	0026
60	328	0040	0040	0032	0039	0075	0028



SPECTRA MINICASTING Q.TURK 11,1962 DIGITIZED BY JONAS HOPKINS LAB.

DATE = 10/17/50 AV. TO = 17.4 REEL# = JM 51  
 CURR. WAVE. = 16.4  
 NOISE LEVEL = -0.192 WIND SPEED = 40

P	FREQ.	LINE#FF.2	FILTERED	LESS ACISL	CURR.FT.2	UPPER	LOWER
0	000	0384	0384	0372	0379	0771	0265
1	006	0384	0384	0372	0379	0771	0265
2	011	0390	0390	0378	0385	0789	0283
3	017	0375	0375	0363	0370	0763	0257
4	022	0373	0373	0361	0368	0761	0255
5	028	0383	0383	0371	0378	0775	0269
6	033	0349	0349	0337	0344	0737	0241
7	039	0350	0350	0338	0345	0739	0243
8	044	0326	0326	0314	0321	0715	0219
9	050	0323	0323	0311	0318	0713	0217
10	056	0306	0306	0294	0301	0695	0201
11	061	0302	0302	0290	0297	0693	0199
12	067	0303	0303	0291	0298	0695	0201
13	072	0308	0308	0296	0303	0700	0206
14	078	0312	0312	0300	0307	0704	0210
15	083	0312	0312	0300	0307	0704	0210
16	089	0316	0316	0304	0311	0708	0214
17	094	0316	0316	0304	0311	0708	0214
18	100	0320	0320	0308	0315	0712	0218
19	105	0320	0320	0308	0315	0712	0218
20	111	0324	0324	0312	0319	0716	0222
21	117	0324	0324	0312	0319	0716	0222
22	122	0328	0328	0316	0323	0720	0226
23	128	0332	0332	0320	0327	0724	0230
24	133	0332	0332	0320	0327	0724	0230
25	139	0336	0336	0324	0331	0728	0234
26	144	0336	0336	0324	0331	0728	0234
27	150	0340	0340	0328	0335	0732	0238
28	155	0340	0340	0328	0335	0732	0238
29	161	0344	0344	0332	0339	0736	0242
30	166	0344	0344	0332	0339	0736	0242
31	172	0348	0348	0336	0343	0740	0246
32	177	0348	0348	0336	0343	0740	0246
33	183	0352	0352	0340	0347	0744	0250
34	188	0352	0352	0340	0347	0744	0250
35	193	0356	0356	0344	0351	0748	0254
36	199	0356	0356	0344	0351	0748	0254
37	204	0360	0360	0348	0355	0752	0258
38	209	0360	0360	0348	0355	0752	0258
39	215	0364	0364	0352	0359	0756	0262
40	220	0364	0364	0352	0359	0756	0262
41	226	0368	0368	0356	0363	0760	0266
42	231	0368	0368	0356	0363	0760	0266
43	236	0372	0372	0360	0367	0764	0270
44	242	0372	0372	0360	0367	0764	0270
45	247	0376	0376	0364	0371	0768	0274
46	253	0376	0376	0364	0371	0768	0274
47	258	0380	0380	0368	0375	0772	0278
48	263	0380	0380	0368	0375	0772	0278
49	269	0384	0384	0372	0379	0776	0282
50	274	0384	0384	0372	0379	0776	0282
51	280	0388	0388	0376	0383	0780	0286
52	285	0388	0388	0376	0383	0780	0286
53	290	0392	0392	0380	0387	0784	0290
54	296	0392	0392	0380	0387	0784	0290
55	301	0396	0396	0384	0391	0788	0294
56	307	0396	0396	0384	0391	0788	0294
57	312	0400	0400	0388	0395	0792	0298
58	317	0400	0400	0388	0395	0792	0298
59	323	0404	0404	0392	0399	0796	0302
60	328	0404	0404	0392	0399	0796	0302



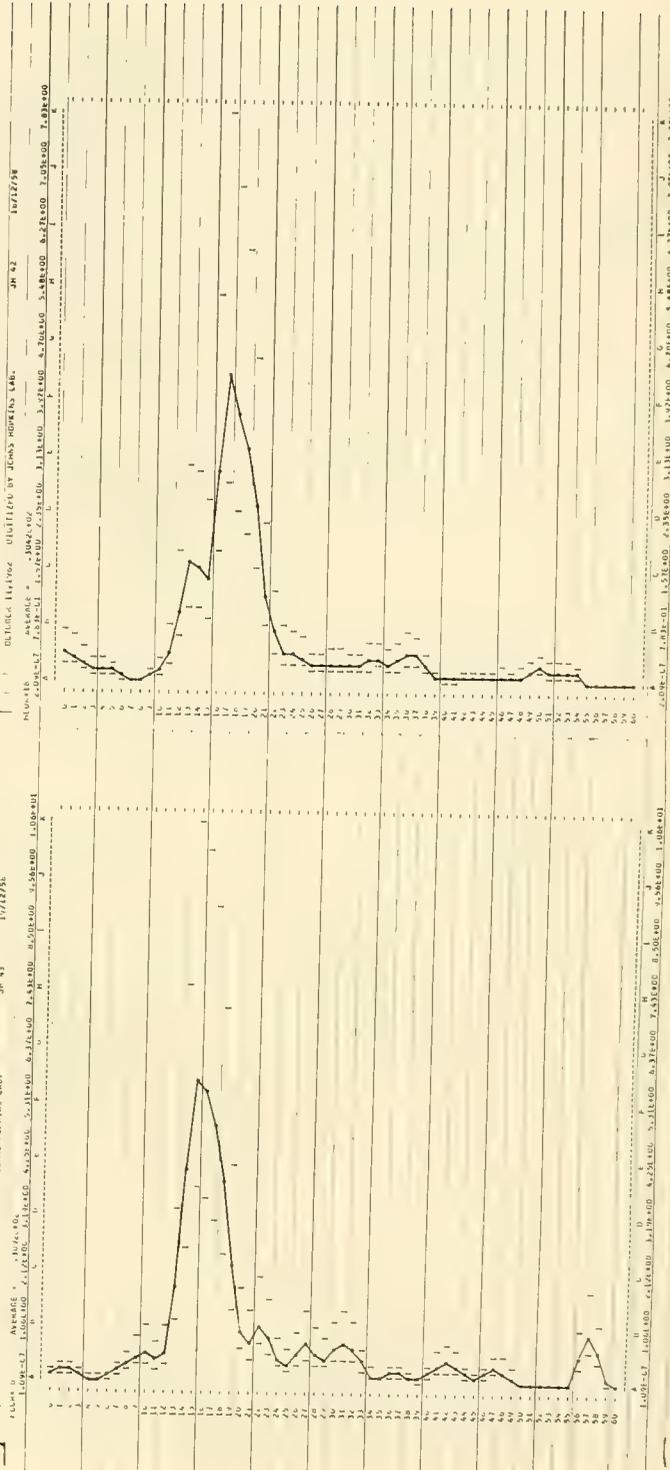


SPECTRA HANDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPHENS LAB.

DATE = 10/12/59		AV. T = 8.1		RECORD = JM 42			
MUR = 18		SIG. HGT. = 22.9		WIND SPEED = 40			
TOTAL DE 153		CORR. VARI = 32.7		NOISE LEVEL = 0.0192			
M	FRE.	UNIT*FT.2	FILTERED	LESS NCISE	CORR.FT.2	UPPER	LOWER
0	-000	-4213	-4213	-4020	-4020	-7410	-2360
1	-008	-3873	-3873	-3480	-3480	-6515	-2216
2	-011	-2940	-2940	-2340	-2340	-4327	-1493
3	-017	-1892	-1892	-1485	-1485	-3113	-1078
4	-022	-1402	-1402	-1100	-1100	-2151	-809
5	-028	-1043	-1043	-825	-825	-1509	-609
6	-033	-0573	-0573	-0360	-0360	-7203	-0766
7	-038	-0281	-0281	-0000	-0000	-0168	-0058
8	-044	-0134	-0134	-0142	-0142	-0189	-0211
9	-050	-0031	-0031	-0038	-0038	-1308	-0451
10	-056	-1744	-1744	-1552	-1552	-3040	-1090
11	-061	-1211	-1211	-1019	-1019	-2170	-785
12	-067	-9818	-9818	-8424	-8424	-17820	-6136
13	-074	1.5855	1.5855	1.5063	1.5063	2.9820	1.0232
14	-078	1.3423	1.3423	1.2317	1.2317	2.4055	1.0037
15	-083	1.3317	1.3317	1.2125	1.2125	2.3494	0.8767
16	-088	2.7284	2.7284	2.6810	2.6810	5.2094	1.4762
17	-094	3.8703	3.8703	3.8248	3.8248	7.8319	2.7056
18	-100	3.2841	3.2841	3.2400	3.2400	6.4503	1.3805
19	-106	2.7725	2.7725	2.7332	2.7332	5.9005	1.0859
20	-111	1.9905	1.9905	1.9712	1.9712	4.4116	1.0413
21	-117	1.9635	1.9635	1.9442	1.9442	2.2304	1.0413
22	-122	1.9811	1.9811	1.9618	1.9618	1.7342	0.8264
23	-128	3.3224	3.3224	3.3032	3.3032	6.6940	1.882
24	-133	2.702	2.702	2.6828	2.6828	5.0778	1.276
25	-139	2.2330	2.2330	2.2137	2.2137	4.276	1.008
26	-144	1.9495	1.9495	1.9303	1.9303	4.008	0.8264
27	-150	1.300	1.300	1.2807	1.2807	2.694	0.8264
28	-154	1.358	1.358	1.3387	1.3387	2.724	0.8264
29	-161	1.324	1.324	1.3043	1.3043	2.694	0.8264
30	-167	1.324	1.324	1.3043	1.3043	2.694	0.8264
31	-172	1.318	1.318	1.298	1.298	2.62	0.8264
32	-178	1.311	1.311	1.291	1.291	2.548	0.8264
33	-183	1.305	1.305	1.285	1.285	2.472	0.8264
34	-188	1.074	1.074	1.054	1.054	2.108	0.8264
35	-194	1.075	1.075	1.055	1.055	2.108	0.8264
36	-200	1.129	1.129	1.109	1.109	2.236	0.8264
37	-206	1.138	1.138	1.118	1.118	2.266	0.8264
38	-211	0.899	0.899	0.879	0.879	1.711	0.8264
39	-217	0.882	0.882	0.862	0.862	1.635	0.8264
40	-222	0.884	0.884	0.864	0.864	1.659	0.8264
41	-228	0.870	0.870	0.850	0.850	1.583	0.8264
42	-233	0.819	0.819	0.799	0.799	1.407	0.8264
43	-238	0.729	0.729	0.709	0.709	1.231	0.8264
44	-244	0.813	0.813	0.793	0.793	1.452	0.8264
45	-250	0.819	0.819	0.799	0.799	1.452	0.8264
46	-256	0.819	0.819	0.799	0.799	1.452	0.8264
47	-261	0.821	0.821	0.801	0.801	1.452	0.8264
48	-267	0.827	0.827	0.807	0.807	1.452	0.8264
49	-272	0.827	0.827	0.807	0.807	1.452	0.8264
50	-278	0.831	0.831	0.811	0.811	1.452	0.8264
51	-283	0.827	0.827	0.807	0.807	1.452	0.8264
52	-289	0.886	0.886	0.866	0.866	1.711	0.8264
53	-294	0.886	0.886	0.866	0.866	1.711	0.8264
54	-300	0.886	0.886	0.866	0.866	1.711	0.8264
55	-306	0.886	0.886	0.866	0.866	1.711	0.8264
56	-311	0.886	0.886	0.866	0.866	1.711	0.8264
57	-317	0.886	0.886	0.866	0.866	1.711	0.8264
58	-322	0.886	0.886	0.866	0.866	1.711	0.8264
59	-328	0.886	0.886	0.866	0.866	1.711	0.8264
60	-333	0.886	0.886	0.866	0.866	1.711	0.8264

SPECTRA HANDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPHENS LAB.

DATE = 10/12/59		AV. T = 7.4		RECORD = JM 43			
MUR = 0		SIG. HGT. = 27.1		WIND SPEED = 40			
TOTAL DE 153		CORR. VARI = 45.6		NOISE LEVEL = 0.0463			
M	FRE.	UNIT*FT.2	FILTERED	LESS NCISE	CORR.FT.2	UPPER	LOWER
0	-000	-1433	-1433	-1170	-1170	-2157	-0765
1	-008	-2074	-2074	-1611	-1611	-2970	-1026
2	-011	-1150	-1150	-907	-907	-1611	-594
3	-017	-1395	-1395	-1032	-1032	-1910	-694
4	-022	-0954	-0954	-0741	-0741	-1369	-509
5	-028	-0759	-0759	-0576	-0576	-1068	-389
6	-033	-0862	-0862	-0535	-0535	-1068	-389
7	-038	-0372	-0372	-0116	-0116	-325	-1107
8	-044	-2923	-2923	-2461	-2461	-4730	-1604
9	-050	-4518	-4518	-3853	-3853	-7892	-2855
10	-056	-3621	-3621	-3024	-3024	-6106	-2141
11	-061	-3339	-3339	-2776	-2776	-5413	-1941
12	-067	-3084	-3084	-2548	-2548	-4906	-1741
13	-072	1.7802	1.7802	1.7199	1.7199	3.2524	1.1236
14	-078	3.9881	3.9881	3.9449	3.9449	7.5198	2.5976
15	-083	5.5204	5.5204	5.4801	5.4801	10.0198	3.6888
16	-088	4.4649	4.4649	4.4186	4.4186	8.9827	3.1064
17	-094	3.4221	3.4221	3.3758	3.3758	6.8833	2.4470
18	-100	3.2114	3.2114	3.1651	3.1651	6.4077	2.1691
19	-106	1.3282	1.3282	1.2819	1.2819	2.7247	0.923
20	-111	0.8293	0.8293	0.7831	0.7831	1.7784	0.623
21	-117	0.8173	0.8173	0.7711	0.7711	1.3490	0.600
22	-122	0.8567	0.8567	0.8104	0.8104	2.0091	0.677
23	-128	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
24	-133	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
25	-139	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
26	-144	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
27	-150	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
28	-154	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
29	-161	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
30	-167	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
31	-172	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
32	-178	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
33	-183	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
34	-188	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
35	-194	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
36	-200	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
37	-206	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
38	-211	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
39	-217	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
40	-222	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
41	-228	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
42	-233	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
43	-238	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
44	-244	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
45	-249	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
46	-254	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
47	-260	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
48	-265	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
49	-270	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
50	-276	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
51	-281	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
52	-287	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
53	-292	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
54	-298	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
55	-303	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
56	-309	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
57	-314	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
58	-320	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
59	-325	0.8607	0.8607	0.8144	0.8144	1.973	0.6518
60	-331	0.8607	0.8607	0.8144	0.8144	1.973	0.6518



OCTUBER 11, 1962 DIGITIZED BY JONAS MCPHENS LAB. RECORD = JM 42  
 OCTUBER 11, 1962 DIGITIZED BY JONAS MCPHENS LAB. RECORD = JM 43



SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

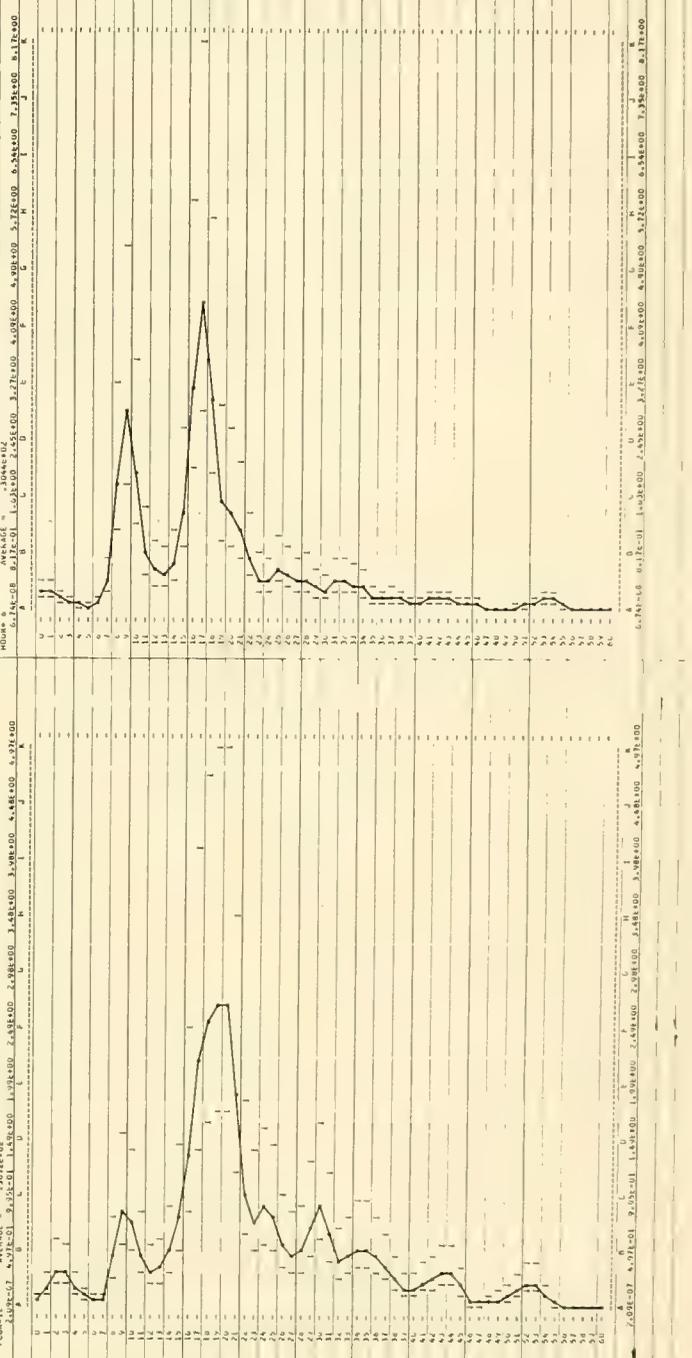
DATE = 10/12/58		AV. T <sub>e</sub> = 8.8		RECORD = JM 44			
TOTAL OF = 173		SIG. MGT. = 23.4		CORR. VOLT. = 30.1			
		NOISE LEVEL = -02.9		WIND SPEED = 25			
n	Freq	UNIF-PT-2	FILTERED	LESS NOISE	CORR. FT-2	UPPER	LOWER
0	.000	-2355	-2355	-4110	-4110	-3886	-1363
1	.000	-2291	-2291	-4296	-4296	-3772	-1303
2	.011	-1776	-1776	-1933	-1933	-2825	-0976
3	.017	-1092	-1092	-0800	-0800	-1474	-0500
4	.022	-0454	-0454	-0409	-0409	-0394	-0260
5	.028	-0350	-0350	-0308	-0308	-0363	-0185
6	.033	-0736	-0736	-0641	-0641	-1424	-0493
7	.039	-3221	-3221	-2376	-2376	-3951	-2516
8	.044	-12600	-12600	-14895	-14895	-17466	-11249
9	.050	-25879	-25879	-23635	-23635	-22441	-18116
10	.056	-14597	-14597	-11862	-11862	-13413	-11261
11	.061	-7843	-7843	-7938	-7938	-7803	-14530
12	.067	-5590	-5590	-5345	-5345	-5482	-16104
13	.072	-4802	-4802	-4457	-4457	-4778	-8807
14	.078	-6363	-6363	-6090	-6090	-6311	-11633
15	.083	-3709	-3709	-3464	-3464	-3527	-20093
16	.089	-30370	-30370	-30125	-30125	-22032	-30940
17	.096	-62673	-62673	-62028	-62028	-61383	-61720
18	.100	-27153	-27153	-26008	-26008	-26024	-26869
19	.106	-13676	-13676	-13432	-13432	-12858	-22225
20	.111	-11771	-11771	-11527	-11527	-11455	-20680
21	.117	-9356	-9356	-9111	-9111	-11678	-21524
22	.122	-3868	-3868	-3623	-3623	-3749	-13911
23	.128	-2135	-2135	-2040	-2040	-2350	-2778
24	.133	-3037	-3037	-2792	-2792	-2653	-2884
25	.138	-3940	-3940	-3696	-3696	-10115	-3702
26	.144	-3246	-3246	-3039	-3039	-9345	-3228
27	.150	-2670	-2670	-2225	-2225	-1847	-2513
28	.156	-4604	-4604	-2359	-2359	-4424	-2841
29	.162	-1827	-1827	-1783	-1783	-2201	-2238
30	.167	-1518	-1518	-1473	-1473	-1593	-2774
31	.172	-1920	-1920	-1725	-1725	-4023	-7419
32	.178	-1760	-1760	-1435	-1435	-1027	-2567
33	.183	-1573	-1573	-1328	-1328	-3811	-6855
34	.189	-1127	-1127	-1082	-1082	-1191	-5888
35	.194	-9811	-9811	-9286	-9286	-11235	-11254
36	.200	-0589	-0589	-0394	-0394	-1236	-4278
37	.206	-0890	-0890	-0485	-0485	-2916	-6007
38	.211	-0580	-0580	-0381	-0381	-1423	-2822
39	.217	-0608	-0608	-0483	-0483	-0787	-1337
40	.222	-0395	-0395	-0150	-0150	-1959	-4862
41	.228	-0502	-0502	-0227	-0227	-1262	-2326
42	.233	-0808	-0808	-0243	-0243	-1894	-2354
43	.239	-0424	-0424	-0107	-0107	-1278	-2355
44	.244	-0130	-0130	-0127	-0127	-0127	-1778
45	.250	-0395	-0395	-0124	-0124	-1030	-0667
46	.256	-0359	-0359	-0093	-0093	-1619	-0559
47	.261	-0181	-0181	-0036	-0036	-0000	-0000
48	.267	-0195	-0195	-0000	-0000	-0000	-0000
49	.272	-0225	-0225	-0000	-0000	-0000	-0000
50	.278	-0262	-0262	-0025	-0025	-0371	-0884
51	.283	-0278	-0278	-0035	-0035	-1093	-0378
52	.289	-0316	-0316	-0046	-0046	-1014	-0519
53	.294	-0307	-0307	-0062	-0062	-1357	-0884
54	.300	-0318	-0318	-0057	-0057	-1440	-0877
55	.306	-0270	-0270	-0027	-0027	-0838	-1175
56	.311	-0196	-0196	-0000	-0000	-0000	-0000
57	.317	-0170	-0170	-0000	-0000	-0000	-0000
58	.322	-0153	-0153	-0000	-0000	-0000	-0000
59	.328	-0207	-0207	-0000	-0000	-0000	-0000
60	.333	-0263	-0263	-0000	-0000	-0000	-0000

SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58		AV. T <sub>e</sub> = 7.3		RECORD = JM 45			
TOTAL OF = 264		SIG. MGT. = 22.5		CORR. VOLT. = 31.7			
		NOISE LEVEL = -0364		WIND SPEED = 40			
n	Freq	UNIF-PT-2	FILTERED	LESS NOISE	CORR. FT-2	UPPER	LOWER
0	.000	-1061	-1061	-0836	-0836	-1173	-0940
1	.006	-2028	-2028	-1863	-1863	-1506	-1059
2	.011	-3345	-3345	-3184	-3184	-2809	-2027
3	.017	-3336	-3336	-2572	-2572	-1877	-1892
4	.022	-2093	-2093	-1720	-1720	-1720	-1161
5	.028	-1124	-1124	-859	-859	-1568	-0547
6	.033	-0740	-0740	-6376	-6376	-1091	-0377
7	.039	-0864	-0864	-6480	-6480	-6837	-1174
8	.044	-3613	-3613	-3552	-3552	-4230	-2494
9	.050	-7073	-7073	-7108	-7108	-8444	-12584
10	.056	-7588	-7588	-7224	-7224	-7679	-14154
11	.061	-5425	-5425	-4360	-4360	-4524	-6338
12	.067	-3707	-3707	-3108	-3108	-3444	-4560
13	.072	-3105	-3105	-2241	-2241	-3379	-4128
14	.078	-2108	-2108	-1403	-1403	-4872	-3166
15	.083	-7710	-7710	-7345	-7345	-7223	-14235
16	.089	-13120	-13120	-12784	-12784	-12572	-25019
17	.094	-20300	-20300	-20225	-20225	-20056	-42728
18	.100	-22275	-22275	-22410	-22410	-22912	-67023
19	.106	-22213	-22213	-22848	-22848	-20872	-64716
20	.111	-22338	-22338	-21973	-21973	-24993	-47334
21	.117	-15284	-15284	-14778	-14778	-14841	-14210
22	.122	-1885	-1885	-1521	-1521	-15096	-18408
23	.128	-2573	-2573	-1828	-1828	-2657	-14112
24	.133	-6251	-6251	-4987	-4987	-5705	-11226
25	.139	-5284	-5284	-4520	-4520	-7339	-14264
26	.144	-3228	-3228	-2164	-2164	-4728	-8928
27	.150	-2559	-2559	-1811	-1811	-4800	-8600
28	.156	-2551	-2551	-1586	-1586	-4812	-8017
29	.161	-1868	-1868	-1503	-1503	-7087	-13042
30	.167	-4523	-4523	-4158	-4158	-4025	-16034
31	.172	-2500	-2500	-2725	-2725	-3255	-17214
32	.178	-1910	-1910	-1545	-1545	-3889	-7169
33	.183	-1161	-1161	-1161	-1161	-3705	-8100
34	.189	-4141	-4141	-3121	-3121	-1757	-4544
35	.194	-1954	-1954	-1590	-1590	-2090	-3382
36	.200	-1414	-1414	-1264	-1264	-2184	-3144
37	.206	-1304	-1304	-939	-939	-3577	-2277
38	.211	-1233	-1233	-1264	-1264	-4124	-3164
39	.217	-0456	-0456	-632	-632	-1520	-1001
40	.222	-0694	-0694	-634	-634	-1484	-1005
41	.228	-1761	-1761	-1383	-1383	-1429	-1324
42	.233	-0754	-0754	-6403	-6403	-4281	-4973
43	.239	-0644	-0644	-4028	-4028	-3378	-3758
44	.244	-0428	-0428	-3399	-3399	-3024	-3573
45	.250	-0536	-0536	-3709	-3709	-3708	-3240
46	.256	-0341	-0341	-6037	-6037	-6033	-6033
47	.261	-0410	-0410	-0532	-0532	-1032	-1032
48	.267	-0411	-0411	-0414	-0414	-0566	-1033
49	.272	-0408	-0408	-0572	-0572	-1284	-1284
50	.278	-0404	-0404	-0404	-0404	-1133	-1038
51	.283	-1467	-1464	-0679	-0679	-1894	-3122
52	.289	-1464	-1464	-0679	-0679	-1894	-3122
53	.294	-1462	-1458	-0643	-0643	-1773	-1303
54	.300	-0444	-0442	-0647	-0647	-1188	-2190
55	.306	-0387	-0387	-0377	-0377	-0506	-0506
56	.311	-0323	-0328	-0000	-0000	-0000	-0000
57	.317	-0298	-0298	-0000	-0000	-0000	-0000
58	.322	-0243	-0278	-0000	-0000	-0000	-0000
59	.328	-0291	-0287	-0000	-0000	-0000	-0000
60	.333	-0277	-0284	-0000	-0000	-0000	-0000

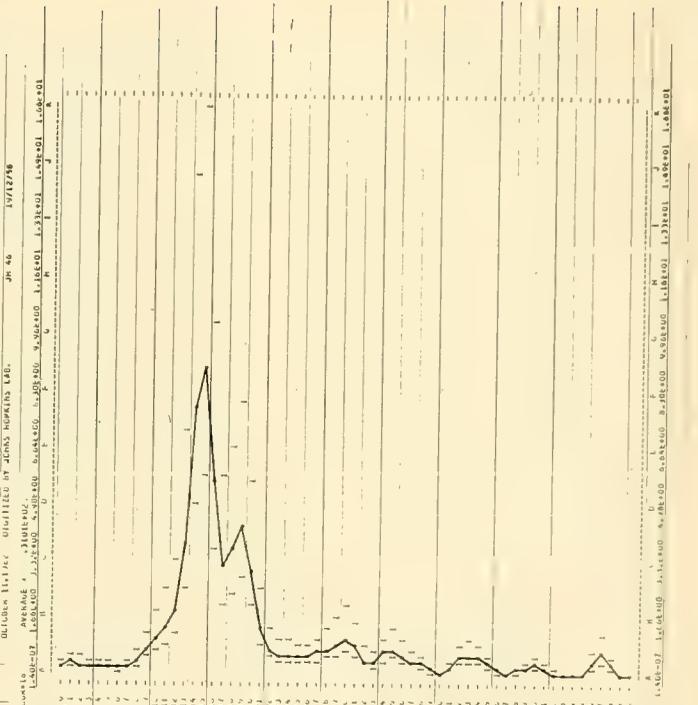
SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHNS HOPKINS LAB.





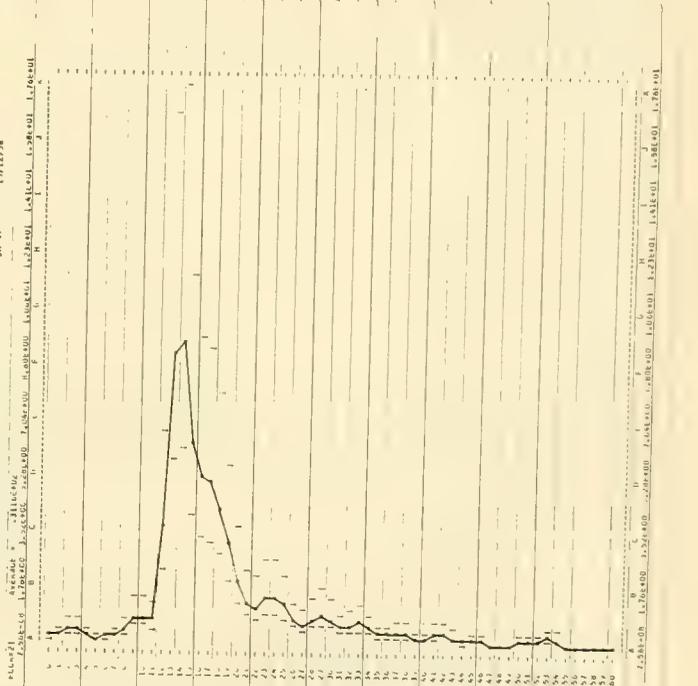
SPECTRA MEASURING OCTUBER 11, 1962 UTILIZED BY JOHN HOPKINS LAB.

DATE = 10/12/62		Av. To		RECORD = JM 46			
TOTAL GP = 152		SIG. PGT. = 31.7	LOW. VAR. = 81.2				
		NOISE LEVEL = -0.52		WIND SPEED = 30			
M	FREQ.	UNIT-F1.2	FILTERED	LESS NOISE	LOW-F1.2	UPPER	LOW-F
0	0.00	-2374	-2374	-1921	-1921	-3541	-1243
1	0.00	-2969	-2969	-2536	-2536	-4675	-1615
2	0.11	-2894	-2894	-2444	-2444	-4501	-1555
3	0.17	-2607	-2607	-2165	-2165	-3776	-1268
4	0.24	-2010	-2010	-1596	-1596	-2891	-0992
5	0.31	-1821	-1821	-1366	-1366	-2253	-0822
6	0.39	-1214	-1214	-0761	-0761	-1211	-0764
7	0.50	-1337	-1337	-1084	-1084	-1629	-0917
8	0.64	-2413	-2413	-2500	-2500	-4498	-2245
9	0.80	-2847	-2847	-2627	-2627	-4684	-2724
10	0.98	-2867	-2867	-2360	-2360	-4061	-2325
11	1.01	-1325	-1325	-1793	-1793	-2404	-0831
12	1.07	-1843	-1843	-1701	-1701	-2446	-1158
13	1.07	-1791	-1791	-1729	-1729	-2470	-1417
14	1.07	-1653	-1653	-1613	-1613	-2421	-1117
15	1.03	-6071	-6071	-6318	-6318	-10319	-7319
16	1.00	-2320	-2320	-2317	-2317	-4034	-2570
17	1.04	-2315	-2315	-2360	-2360	-4108	-2728
18	1.00	-2316	-2316	-2360	-2360	-4108	-2598
19	1.04	-2320	-2320	-2360	-2360	-4108	-2728
20	1.11	-2307	-2307	-2474	-2474	-4281	-2734
21	1.17	-1134	-1134	-1071	-1071	-1824	-0734
22	1.62	-2364	-2364	-2311	-2311	-4047	-2764
23	1.64	-2525	-2525	-2503	-2503	-4367	-3236
24	1.81	-2326	-2326	-2367	-2367	-4100	-2862
25	1.89	-2366	-2366	-2394	-2394	-4170	-3099
26	1.84	-2361	-2361	-2524	-2524	-4377	-3087
27	1.90	-2774	-2774	-2741	-2741	-4727	-3768
28	1.98	-2469	-2469	-2376	-2376	-4324	-3449
29	1.81	-2721	-2721	-2760	-2760	-4620	-3516
30	1.87	-2820	-2820	-2816	-2816	-4727	-3650
31	1.87	-2820	-2820	-2816	-2816	-4727	-3650
32	1.78	-2613	-2613	-2631	-2631	-4564	-3444
33	1.63	-2727	-2727	-2746	-2746	-4385	-3206
34	1.63	-2844	-2844	-2822	-2822	-4713	-3741
35	1.64	-2720	-2720	-2749	-2749	-4326	-3433
36	1.60	-2445	-2445	-2433	-2433	-4252	-3345
37	1.11	-1134	-1134	-1082	-1082	-1824	-0810
38	1.17	-1060	-1060	-1022	-1022	-1755	-0666
39	1.27	-0861	-0861	-0804	-0804	-1480	-0528
40	1.30	-0868	-0868	-0833	-0833	-1431	-0513
41	1.33	-1366	-1366	-1225	-1225	-2121	-1026
42	1.33	-1366	-1366	-1225	-1225	-2121	-1026
43	1.33	-1366	-1366	-1225	-1225	-2121	-1026
44	1.33	-1366	-1366	-1225	-1225	-2121	-1026
45	1.33	-1366	-1366	-1225	-1225	-2121	-1026
46	1.33	-1366	-1366	-1225	-1225	-2121	-1026
47	1.33	-1366	-1366	-1225	-1225	-2121	-1026
48	1.33	-1366	-1366	-1225	-1225	-2121	-1026
49	1.33	-1366	-1366	-1225	-1225	-2121	-1026
50	1.33	-1366	-1366	-1225	-1225	-2121	-1026
51	1.33	-1366	-1366	-1225	-1225	-2121	-1026
52	1.33	-1366	-1366	-1225	-1225	-2121	-1026
53	1.33	-1366	-1366	-1225	-1225	-2121	-1026
54	1.33	-1366	-1366	-1225	-1225	-2121	-1026
55	1.33	-1366	-1366	-1225	-1225	-2121	-1026
56	1.33	-1366	-1366	-1225	-1225	-2121	-1026
57	1.33	-1366	-1366	-1225	-1225	-2121	-1026
58	1.33	-1366	-1366	-1225	-1225	-2121	-1026
59	1.33	-1366	-1366	-1225	-1225	-2121	-1026
60	1.33	-1366	-1366	-1225	-1225	-2121	-1026



SPECTRA MEASURING OCTUBER 11, 1962 UTILIZED BY JOHN HOPKINS LAB.

DATE = 10/12/62		Av. To		RECORD = JM 47			
TOTAL GP = 160		SIG. PGT. = 31.3	LOW. VAR. = 81.2				
		NOISE LEVEL = -0.59		WIND SPEED = 30			
M	FREQ.	UNIT-F1.2	FILTERED	LESS NOISE	LOW-F1.2	UPPER	LOW-F
0	0.00	-1774	-1774	-1076	-1076	-1782	-0865
1	0.00	-2258	-2258	-1258	-1258	-2326	-1119
2	0.11	-2105	-2105	-1400	-1400	-2356	-1217
3	0.17	-2759	-2759	-2006	-2006	-3483	-2085
4	0.24	-2744	-2744	-2246	-2246	-4231	-2462
5	0.31	-1818	-1818	-1215	-1215	-1325	-0828
6	0.39	-1859	-1859	-1400	-1400	-1524	-0949
7	0.49	-1855	-1855	-1146	-1146	-1522	-0909
8	0.64	-2015	-2015	-1316	-1316	-1776	-1014
9	0.80	-2260	-2260	-1507	-1507	-2222	-1311
10	0.98	-2706	-2706	-2008	-2008	-3237	-1818
11	1.01	-2266	-2266	-1827	-1827	-2822	-1412
12	1.07	-26214	-26214	-25515	-25515	-42142	-26110
13	1.07	-26214	-26214	-25515	-25515	-42142	-26110
14	1.07	-26214	-26214	-25515	-25515	-42142	-26110
15	1.03	-26214	-26214	-25515	-25515	-42142	-26110
16	1.00	-26214	-26214	-25515	-25515	-42142	-26110
17	1.07	-26214	-26214	-25515	-25515	-42142	-26110
18	1.00	-26214	-26214	-25515	-25515	-42142	-26110
19	1.07	-26214	-26214	-25515	-25515	-42142	-26110
20	1.11	-26214	-26214	-25515	-25515	-42142	-26110
21	1.17	-26214	-26214	-25515	-25515	-42142	-26110
22	1.62	-26214	-26214	-25515	-25515	-42142	-26110
23	1.64	-26214	-26214	-25515	-25515	-42142	-26110
24	1.63	-26214	-26214	-25515	-25515	-42142	-26110
25	1.63	-26214	-26214	-25515	-25515	-42142	-26110
26	1.64	-26214	-26214	-25515	-25515	-42142	-26110
27	1.63	-26214	-26214	-25515	-25515	-42142	-26110
28	1.63	-26214	-26214	-25515	-25515	-42142	-26110
29	1.63	-26214	-26214	-25515	-25515	-42142	-26110
30	1.63	-26214	-26214	-25515	-25515	-42142	-26110
31	1.63	-26214	-26214	-25515	-25515	-42142	-26110
32	1.63	-26214	-26214	-25515	-25515	-42142	-26110
33	1.63	-26214	-26214	-25515	-25515	-42142	-26110
34	1.63	-26214	-26214	-25515	-25515	-42142	-26110
35	1.63	-26214	-26214	-25515	-25515	-42142	-26110
36	1.63	-26214	-26214	-25515	-25515	-42142	-26110
37	1.63	-26214	-26214	-25515	-25515	-42142	-26110
38	1.63	-26214	-26214	-25515	-25515	-42142	-26110
39	1.63	-26214	-26214	-25515	-25515	-42142	-26110
40	1.63	-26214	-26214	-25515	-25515	-42142	-26110
41	1.63	-26214	-26214	-25515	-25515	-42142	-26110
42	1.63	-26214	-26214	-25515	-25515	-42142	-26110
43	1.63	-26214	-26214	-25515	-25515	-42142	-26110
44	1.63	-26214	-26214	-25515	-25515	-42142	-26110
45	1.63	-26214	-26214	-25515	-25515	-42142	-26110
46	1.63	-26214	-26214	-25515	-25515	-42142	-26110
47	1.63	-26214	-26214	-25515	-25515	-42142	-26110
48	1.63	-26214	-26214	-25515	-25515	-42142	-26110
49	1.63	-26214	-26214	-25515	-25515	-42142	-26110
50	1.63	-26214	-26214	-25515	-25515	-42142	-26110
51	1.63	-26214	-26214	-25515	-25515	-42142	-26110
52	1.63	-26214	-26214	-25515	-25515	-42142	-26110
53	1.63	-26214	-26214	-25515	-25515	-42142	-26110
54	1.63	-26214	-26214	-25515	-25515	-42142	-26110
55	1.63	-26214	-26214	-25515	-25515	-42142	-26110
56	1.63	-26214	-26214	-25515	-25515	-42142	-26110
57	1.63	-26214	-26214	-25515	-25515	-42142	-26110
58	1.63	-26214	-26214	-25515	-25515	-42142	-26110
59	1.63	-26214	-26214	-25515	-25515	-42142	-26110
60	1.63	-26214	-26214	-25515	-25515	-42142	-26110



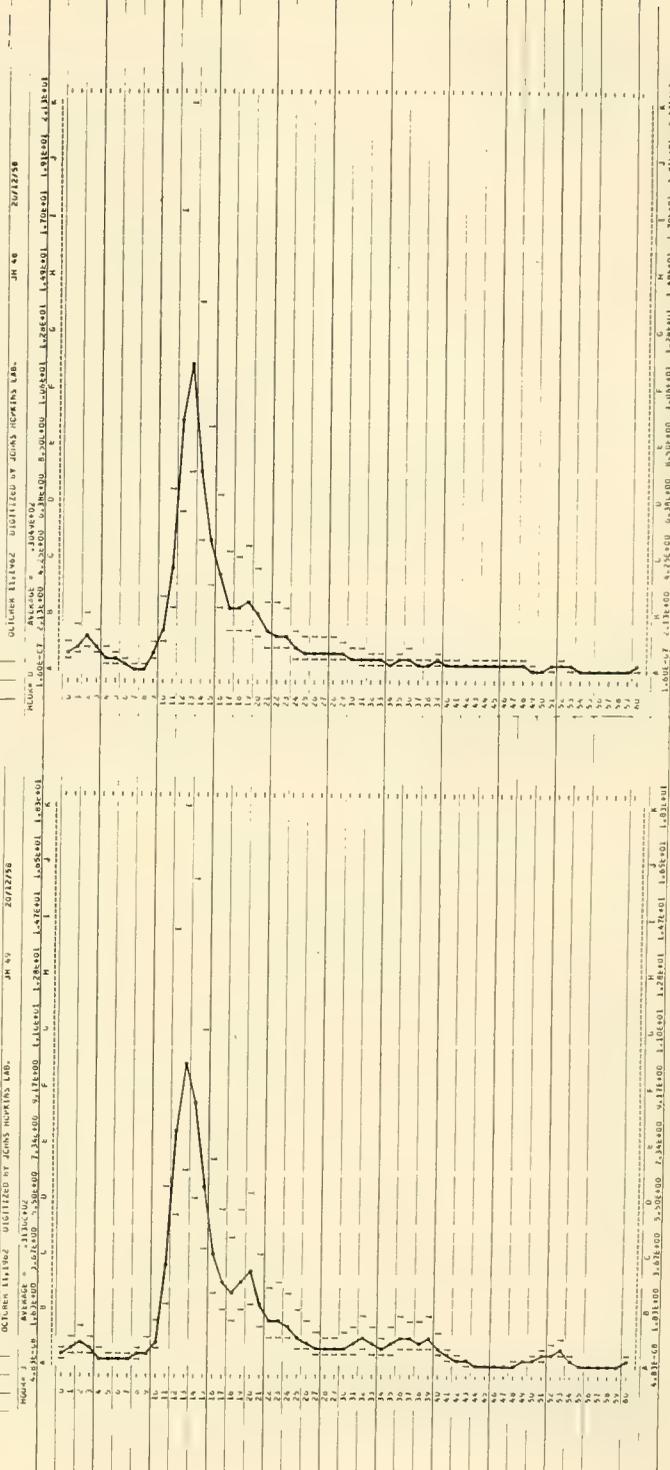


SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPHENS LAB.

DATE = 20/12/50		AV. F# = 34.5		RECORD = JM 48			
PCUR = 0		SIG.MET. = 33.7					
TOTAL CP = 138		CURR. VAR. = 71.2					
		NOISE LEVEL = .0468		WIND SPEED = 40			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NCISE	CORR.FT.2	UPPER	LOWER
0	.000	.0002	.0002	.0194	.0194	1.1417	1.3944
1	.000	.0292	.0292	.0824	.0824	1.6205	1.9619
2	.011	1.2378	1.2378	1.1910	1.1910	2.1055	2.7448
3	.017	.0031	.0031	.0504	.0504	1.5284	1.8453
4	.022	.0480	.0480	.1494	.1494	1.8079	2.2484
5	.028	.2435	.2435	.7405	.7405	2.3884	2.9208
6	.033	.1074	.1074	.3107	.3107	1.6375	1.9122
7	.038	.1005	.1005	.2824	.2824	1.5205	1.7524
8	.044	.1005	.1005	.2732	.2732	1.4840	1.7047
9	.050	.3484	.3484	.9228	.9228	1.0288	1.2554
10	.056	1.4430	1.4430	1.4109	1.4109	2.7760	3.4940
11	.061	3.0344	3.0344	3.5874	3.5874	5.2222	6.8605
12	.067	4.1350	4.1350	4.6283	4.6283	6.2159	8.1184
13	.072	11.4840	11.4840	11.2372	11.2372	21.2504	27.3412
14	.078	7.3101	7.3101	7.4493	7.4493	13.8074	17.9077
15	.083	4.7115	4.7115	4.8444	4.8444	9.0398	11.6249
16	.089	3.4940	3.4940	3.4478	3.4478	6.0787	7.9072
17	.094	2.2220	2.2220	2.1752	2.1752	4.2284	5.5281
18	.100	2.1111	2.1111	2.0643	2.0643	4.3114	5.6944
19	.106	2.1855	2.1855	2.1388	2.1388	4.6101	5.9546
20	.111	1.7444	1.7444	1.6976	1.6976	3.8424	5.0284
21	.117	1.3529	1.3529	1.3061	1.3061	2.8131	3.6927
22	.122	1.0044	1.0044	1.0174	1.0174	2.5184	3.2780
23	.128	.9831	.9831	.9363	.9363	1.8207	2.3624
24	.133	.8974	.8974	.8508	.8508	1.5208	1.9288
25	.138	.8727	.8727	.8279	.8279	1.2350	1.6248
26	.144	.8484	.8484	.8074	.8074	1.0708	1.4484
27	.150	.8105	.8105	.7697	.7697	1.2057	1.5178
28	.156	.8158	.8158	.7840	.7840	1.2808	1.6445
29	.161	.8401	.8401	.8023	.8023	1.2271	1.5874
30	.167	.8250	.8250	.7883	.7883	.9531	1.2423
31	.172	.8231	.8231	.7823	.7823	.9124	1.1827
32	.178	.8075	.8075	.7648	.7648	.8531	1.1208
33	.183	.8042	.8042	.7625	.7625	.8136	1.0740
34	.189	.8004	.8004	.7596	.7596	.7808	1.0374
35	.194	.8000	.8000	.7592	.7592	.7636	1.0210
36	.200	.8000	.8000	.7592	.7592	.7468	1.0046
37	.206	.8000	.8000	.7592	.7592	.7300	0.9882
38	.211	.8000	.8000	.7592	.7592	.7132	0.9718
39	.217	.8000	.8000	.7592	.7592	.6964	0.9554
40	.222	.8000	.8000	.7592	.7592	.6796	0.9390
41	.228	.8000	.8000	.7592	.7592	.6628	0.9226
42	.233	.8000	.8000	.7592	.7592	.6460	0.9062
43	.238	.8000	.8000	.7592	.7592	.6292	0.8898
44	.244	.8000	.8000	.7592	.7592	.6124	0.8734
45	.250	.8000	.8000	.7592	.7592	.5956	0.8570
46	.256	.8000	.8000	.7592	.7592	.5788	0.8406
47	.261	.8000	.8000	.7592	.7592	.5620	0.8242
48	.267	.8000	.8000	.7592	.7592	.5452	0.8078
49	.272	.8000	.8000	.7592	.7592	.5284	0.7914
50	.278	.8000	.8000	.7592	.7592	.5116	0.7750
51	.283	.8000	.8000	.7592	.7592	.4948	0.7586
52	.289	.8000	.8000	.7592	.7592	.4780	0.7422
53	.294	.8000	.8000	.7592	.7592	.4612	0.7258
54	.300	.8000	.8000	.7592	.7592	.4444	0.7094
55	.306	.8000	.8000	.7592	.7592	.4276	0.6930
56	.311	.8000	.8000	.7592	.7592	.4108	0.6766
57	.317	.8000	.8000	.7592	.7592	.3940	0.6602
58	.322	.8000	.8000	.7592	.7592	.3772	0.6438
59	.328	.8000	.8000	.7592	.7592	.3604	0.6274
60	.333	.8000	.8000	.7592	.7592	.3436	0.6110

SPECTRA HINDCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPHENS LAB.

DATE = 20/12/50		AV. F# = 34.5		RECORD = JM 49			
PCUR = 0		SIG.MET. = 34.7					
TOTAL CP = 163		CURR. VAR. = 75.2					
		NOISE LEVEL = .0756		WIND SPEED = 30			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NCISE	CORR.FT.2	UPPER	LOWER
0	.000	.3919	.3919	.3104	.3104	.5831	.7014
1	.006	.5487	.5487	.4592	.4592	.8487	1.0387
2	.011	.7309	.7309	.6414	.6414	1.2190	1.4211
3	.017	.8034	.8034	.7278	.7278	.9728	1.3011
4	.022	.8474	.8474	.7722	.7722	.9017	1.1213
5	.028	.8209	.8209	.7553	.7553	.8232	1.1116
6	.033	.8223	.8223	.7567	.7567	.8164	1.1014
7	.038	.8203	.8203	.7547	.7547	.8096	1.0912
8	.044	.8187	.8187	.7531	.7531	.8028	1.0810
9	.049	.8174	.8174	.7514	.7514	.7960	1.0708
10	.056	.8134	.8134	.7484	.7484	.7892	1.0606
11	.061	.8120	.8120	.7468	.7468	.7824	1.0504
12	.067	.8101	.8101	.7452	.7452	.7756	1.0402
13	.072	.8082	.8082	.7436	.7436	.7688	1.0300
14	.078	.8063	.8063	.7420	.7420	.7620	1.0198
15	.083	.8044	.8044	.7404	.7404	.7552	1.0096
16	.089	.8025	.8025	.7388	.7388	.7484	9994
17	.094	.8006	.8006	.7372	.7372	.7416	9892
18	.100	.7987	.7987	.7356	.7356	.7348	9790
19	.106	.7968	.7968	.7340	.7340	.7280	9688
20	.111	.7949	.7949	.7324	.7324	.7212	9586
21	.117	.7930	.7930	.7308	.7308	.7144	9484
22	.122	.7911	.7911	.7292	.7292	.7076	9382
23	.128	.7892	.7892	.7276	.7276	.7008	9280
24	.133	.7873	.7873	.7260	.7260	.6940	9178
25	.138	.7854	.7854	.7244	.7244	.6872	9076
26	.144	.7835	.7835	.7228	.7228	.6804	8974
27	.150	.7816	.7816	.7212	.7212	.6736	8872
28	.156	.7797	.7797	.7196	.7196	.6668	8770
29	.161	.7778	.7778	.7180	.7180	.6600	8668
30	.167	.7759	.7759	.7164	.7164	.6532	8566
31	.172	.7740	.7740	.7148	.7148	.6464	8464
32	.178	.7721	.7721	.7132	.7132	.6396	8362
33	.183	.7702	.7702	.7116	.7116	.6328	8260
34	.189	.7683	.7683	.7100	.7100	.6260	8158
35	.194	.7664	.7664	.7084	.7084	.6192	8056
36	.200	.7645	.7645	.7068	.7068	.6124	7954
37	.206	.7626	.7626	.7052	.7052	.6056	7852
38	.211	.7607	.7607	.7036	.7036	.5988	7750
39	.217	.7588	.7588	.7020	.7020	.5920	7648
40	.222	.7569	.7569	.7004	.7004	.5852	7546
41	.228	.7550	.7550	.6988	.6988	.5784	7444
42	.233	.7531	.7531	.6972	.6972	.5716	7342
43	.238	.7512	.7512	.6956	.6956	.5648	7240
44	.244	.7493	.7493	.6940	.6940	.5580	7138
45	.250	.7474	.7474	.6924	.6924	.5512	7036
46	.256	.7455	.7455	.6908	.6908	.5444	6934
47	.261	.7436	.7436	.6892	.6892	.5376	6832
48	.267	.7417	.7417	.6876	.6876	.5308	6730
49	.272	.7398	.7398	.6860	.6860	.5240	6628
50	.278	.7379	.7379	.6844	.6844	.5172	6526
51	.283	.7360	.7360	.6828	.6828	.5104	6424
52	.289	.7341	.7341	.6812	.6812	.5036	6322
53	.294	.7322	.7322	.6796	.6796	.4968	6220
54	.300	.7303	.7303	.6780	.6780	.4900	6118
55	.306	.7284	.7284	.6764	.6764	.4832	6016
56	.311	.7265	.7265	.6748	.6748	.4764	5914
57	.317	.7246	.7246	.6732	.6732	.4696	5812
58	.322	.7227	.7227	.6716	.6716	.4628	5710
59	.328	.7208	.7208	.6700	.6700	.4560	5608
60	.333	.7189	.7189	.6684	.6684	.4492	5506









SPECTRA MIMCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPHAIN LAB.

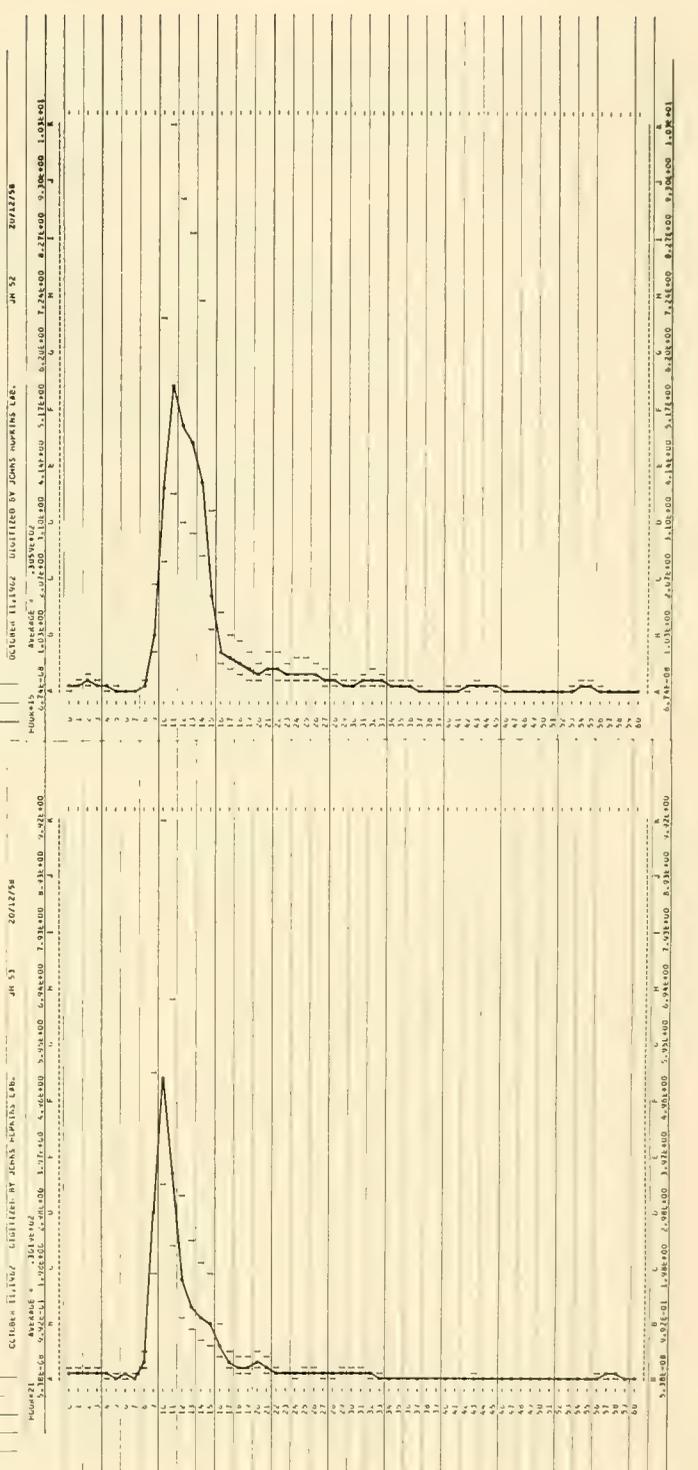
DATE = 10/12/58 Av. T<sub>e</sub> = 25.0 RECORD = JM 52  
 HOUR = 15 SIG. MAG. = 23.0  
 TOTAL WF = 28 CORR. VAL. = 23.0  
 NOISE LEVEL = .0110 WIND SPEED = 45

H	PAR.	UNIT*PT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0857	.0877	.0767	.1007	.1050	.0745
1	.000	.1170	.1170	.1100	.1200	.1212	.0744
2	.011	.1461	.1461	.1491	.1491	.1317	.1077
3	.017	.1553	.1553	.1583	.1583	.1409	.1169
4	.022	.0851	.0851	.0881	.0881	.1255	.0433
5	.028	.0492	.0492	.0522	.0522	.0593	.0407
6	.033	.0315	.0315	.0345	.0345	.0427	.0406
7	.039	.0209	.0209	.0239	.0239	.0298	.0233
8	.044	.1336	.1336	.1366	.1366	.1240	.0884
9	.050	.0774	.0774	.0804	.0804	.1268	.0787
10	.056	3.5251	3.5251	3.5081	3.4911	6.4825	2.3745
11	.061	5.6231	5.6231	5.6061	5.5891	10.3370	3.5714
12	.067	4.7656	4.7656	4.7486	4.7316	8.9773	3.1013
13	.072	6.8286	6.8286	6.8116	6.7946	8.3357	6.8850
14	.078	3.7325	3.7325	3.7155	3.6985	7.0880	2.4466
15	.083	1.7218	1.7218	1.7048	1.6878	2.3037	1.1413
16	.089	.7403	.7403	.7233	.7063	1.4175	.4897
17	.094	.5458	.5458	.5288	.5118	1.0153	.3715
18	.100	.4363	.4363	.4193	.4023	.8700	.2940
19	.105	.3419	.3419	.3249	.3079	.7069	.2442
20	.111	.2662	.2662	.2492	.2322	.5594	.1933
21	.117	.3367	.3367	.3197	.3027	.7553	.2609
22	.122	.2979	.2979	.2809	.2639	.6591	.2401
23	.128	.2370	.2370	.2200	.2030	.5200	.1784
24	.133	.2481	.2481	.2311	.2141	.6324	.2189
25	.139	.2188	.2188	.2018	.1848	.5145	.2102
26	.144	.1772	.1772	.1602	.1432	.4026	.1702
27	.150	.1513	.1513	.1343	.1173	.3432	.1511
28	.156	.1150	.1150	.0980	.0810	.2444	.1167
29	.161	.0743	.0743	.0573	.0403	.2137	.0738
30	.167	.0643	.0643	.0473	.0303	.1891	.0640
31	.172	.0871	.0871	.0701	.0531	.3011	.1040
32	.178	.0691	.0691	.0521	.0351	.2342	.0824
33	.183	.1748	.1748	.1578	.1408	.2894	.1000
34	.189	.0500	.0500	.0330	.0160	.1791	.0619
35	.194	.0400	.0400	.0230	.0060	.1594	.0530
36	.200	.0404	.0404	.0234	.0064	.1892	.0554
37	.206	.0208	.0208	.0038	.0008	.0888	.0310
38	.211	.0191	.0191	.0021	.0001	.0164	.0057
39	.217	.0222	.0222	.0052	.0002	.0440	.0152
40	.222	.0222	.0222	.0052	.0002	.0533	.0164
41	.228	.0259	.0259	.0089	.0010	.0640	.0205
42	.233	.0322	.0322	.0132	.0012	.1408	.0254
43	.239	.0310	.0310	.0135	.0013	.1702	.0298
44	.244	.0244	.0244	.0077	.0010	.1531	.0234
45	.250	.0205	.0205	.0036	.0003	.1332	.0160
46	.256	.0218	.0218	.0045	.0006	.0785	.0271
47	.261	.0184	.0184	.0000	.0000	.0000	.0000
48	.267	.0112	.0112	.0000	.0000	.0000	.0000
49	.272	.0130	.0130	.0000	.0000	.0000	.0000
50	.278	.0142	.0142	.0000	.0000	.0000	.0000
51	.283	.0175	.0175	.0000	.0000	.0000	.0000
52	.289	.0188	.0188	.0000	.0000	.0000	.0000
53	.294	.0174	.0174	.0000	.0000	.0000	.0000
54	.300	.0224	.0224	.0000	.0000	.0000	.0000
55	.306	.0231	.0231	.0004	.0004	.2428	.0839
56	.311	.0172	.0172	.0000	.0000	.0532	.0211
57	.317	.0180	.0180	.0000	.0000	.0000	.0000
58	.322	.0133	.0133	.0000	.0000	.0000	.0000
59	.328	.0138	.0138	.0000	.0000	.0000	.0000
60	.333	.0140	.0140	.0000	.0000	.0000	.0000

SPECTRA MIMCASTING OCTOBER 11, 1962 DIGITIZED BY JONAS MCPHAIN LAB.

DATE = 20/12/58 Av. T<sub>e</sub> = 12.4 RECORD = JM 53  
 HOUR = 21 SIG. MAG. = 14.5  
 TOTAL WF = 24 CORR. VAL. = 21.3  
 NOISE LEVEL = .0008 WIND SPEED = 45

H	PAR.	UNIT*PT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1055	.1055	.1018	.1076	.0948	.0948
1	.005	.1130	.1130	.1067	.1067	.1358	.0676
2	.011	.1184	.1184	.1117	.1117	.1558	.0711
3	.017	.1152	.1152	.1084	.1084	.1408	.0640
4	.022	.0885	.0885	.0837	.0837	.1432	.0640
5	.028	.0641	.0641	.0614	.0614	.1015	.0212
6	.033	.0440	.0440	.0434	.0434	.1024	.0354
7	.039	.0365	.0365	.0360	.0360	.0789	.0292
8	.044	.0157	.0157	.0150	.0150	.0480	.0184
9	.050	2.6767	2.6767	2.6710	2.6653	3.4893	1.4893
10	.056	5.6641	5.6641	5.6623	5.6612	9.9184	3.4264
11	.061	3.5375	3.5375	3.5307	3.5238	6.2899	2.3450
12	.067	1.7438	1.7438	1.7369	1.7299	3.0830	1.1343
13	.072	1.2923	1.2923	1.2852	1.2782	2.4442	.8444
14	.078	1.0491	1.0491	1.0423	1.0353	2.0030	.7109
15	.083	.9877	.9877	.9809	1.0103	1.8621	.6433
16	.089	5.2525	5.2525	5.2457	5.2387	10.1460	.9112
17	.094	.8453	.8453	.8385	.8315	.9034	.7139
18	.100	.1807	.1807	.1739	.1774	.3648	.1200
19	.105	.1808	.1808	.1740	.1775	.3017	.1353
20	.111	.2433	.2433	.2365	.2395	.5354	.1800
21	.117	.1853	.1853	.1785	.1815	.4218	.1407
22	.122	.0900	.0900	.0832	.0862	.2558	.0760
23	.128	.0633	.0633	.0565	.0595	.1870	.0508
24	.133	.0554	.0554	.0482	.0512	.1286	.0448
25	.139	.0678	.0678	.0606	.0636	.1625	.0502
26	.144	.0678	.0678	.0606	.0636	.1368	.0460
27	.150	.0417	.0417	.0349	.0379	.1182	.0394
28	.156	.0440	.0440	.0372	.0402	.1224	.0425
29	.161	.0511	.0511	.0443	.0473	.1063	.0325
30	.167	.0551	.0551	.0483	.0513	.1231	.0407
31	.172	.0440	.0440	.0372	.0402	.1015	.0307
32	.178	.0333	.0333	.0265	.0295	.0730	.0245
33	.183	.0190	.0190	.0122	.0152	.0454	.0166
34	.189	.0156	.0156	.0088	.0118	.0479	.0165
35	.194	.0123	.0123	.0055	.0085	.0344	.0112
36	.200	.0111	.0111	.0044	.0074	.0281	.0094
37	.206	.0100	.0100	.0039	.0069	.0271	.0094
38	.211	.0256	.0256	.0213	.0252	.0687	.0233
39	.217	.0041	.0041	.0024	.0019	.0201	.0069
40	.222	.0054	.0054	.0037	.0032	.0297	.0089
41	.228	.0054	.0054	.0037	.0032	.0254	.0088
42	.233	.0114	.0114	.0097	.0113	.0434	.0150
43	.239	.0144	.0144	.0127	.0143	.0547	.0189
44	.244	.0087	.0087	.0070	.0086	.0269	.0093
45	.250	.0257	.0257	.0214	.0253	.0600	.0200
46	.256	.0044	.0044	.0027	.0022	.0000	.0000
47	.261	.0037	.0037	.0020	.0015	.0000	.0000
48	.267	.0040	.0040	.0023	.0018	.0000	.0000
49	.272	.0040	.0040	.0023	.0018	.0000	.0000
50	.278	.0041	.0041	.0024	.0019	.0000	.0000
51	.283	.0041	.0041	.0024	.0019	.0000	.0000
52	.289	.0041	.0041	.0024	.0019	.0000	.0000
53	.294	.0041	.0041	.0024	.0019	.0000	.0000
54	.300	.0041	.0041	.0024	.0019	.0000	.0000
55	.306	.0041	.0041	.0024	.0019	.0000	.0000
56	.311	.0041	.0041	.0024	.0019	.0000	.0000
57	.317	.0041	.0041	.0024	.0019	.0000	.0000
58	.322	.0041	.0041	.0024	.0019	.0000	.0000
59	.328	.0041	.0041	.0024	.0019	.0000	.0000
60	.333	.0041	.0041	.0024	.0019	.0000	.0000



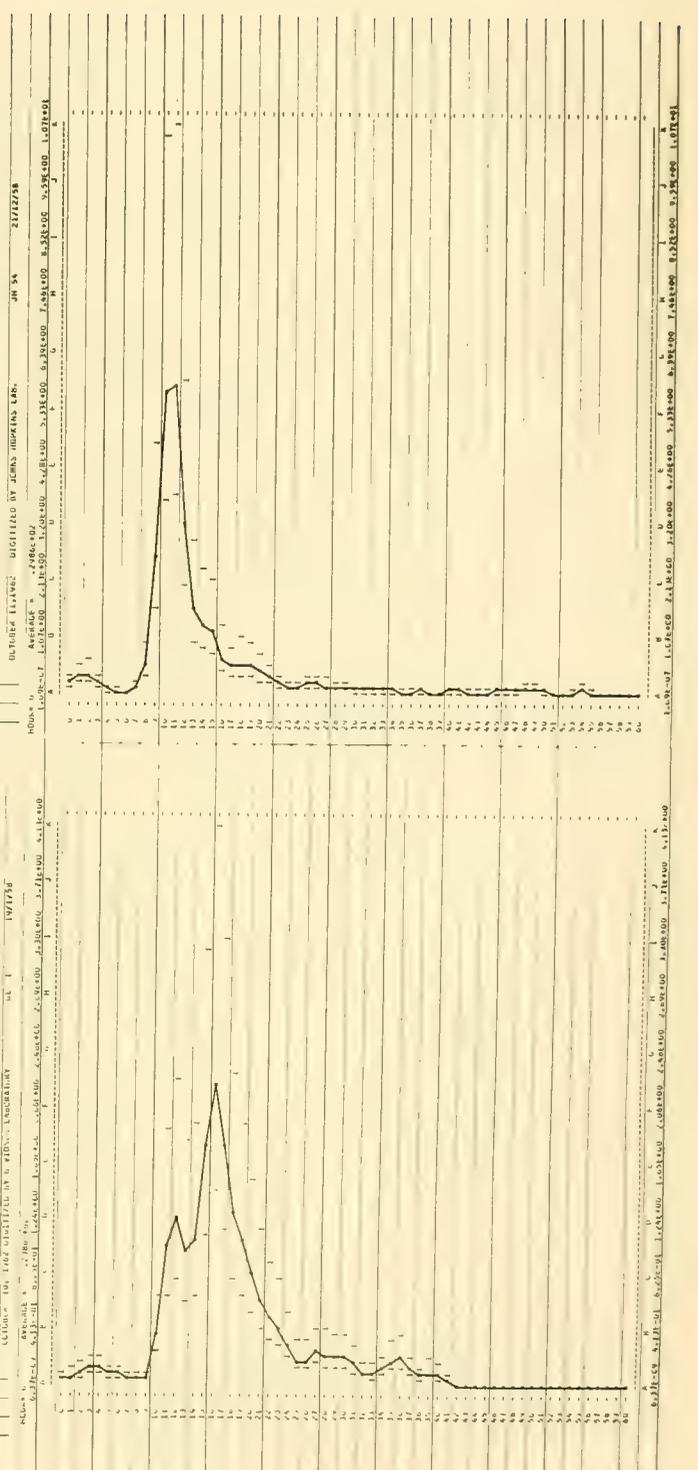


SPECTRA RECASTING OCTOBER 11, 1962 DIGITIZED BY JOHN HOPKINS LAB.

DATE = 2/12/58		AV. I = 11.3		RECORD = JM 54			
RCUR = 0		SIG. MGT. = 21.3		WIND SPEED = 40			
TOTAL CF = 89		CORR. FSR = 26.4		NOISE LEVEL = -0.021			
H	PRE.	UNIT FT-2	FILTERED	LESS NOISE	CONR. FT-2	UPPER	LOWER
0	000	-1392	-1392	-1371	-1371	3080	1064
1	008	-2513	-2513	-2392	-2392	2547	1778
2	011	-3321	-3321	-3201	-3201	2809	2038
3	017	-4184	-4184	-4163	-4163	3269	2424
4	022	-5020	-5020	-5000	-5000	3874	2959
5	028	-5908	-5908	-5889	-5889	4616	3627
6	033	-6107	-6107	-6086	-6086	5134	4046
7	039	-6955	-6955	-6934	-6934	5929	4823
8	044	-7884	-7884	-7863	-7863	6977	5808
9	050	-8900	-8900	-8879	-8879	8300	7012
10	054	-9385	-9385	-9364	-9364	9803	8435
11	061	-9584	-9584	-9563	-9563	10780	9480
12	067	-9380	-9380	-9359	-9359	12040	10639
13	072	-9247	-9247	-9226	-9226	13520	12026
14	078	-8242	-8242	-8221	-8221	15240	13941
15	082	-7012	-7012	-6991	-6991	17240	16246
16	088	-6343	-6343	-6322	-6322	19480	18949
17	094	-5850	-5850	-5829	-5829	21980	22052
18	100	-4970	-4970	-4949	-4949	24740	25657
19	105	-4323	-4323	-4302	-4302	27760	29812
20	111	-3862	-3862	-3841	-3841	31040	34517
21	117	-3244	-3244	-3223	-3223	34580	39872
22	122	-2851	-2851	-2830	-2830	39380	45877
23	128	-2500	-2500	-2479	-2479	44440	52532
24	133	-2080	-2080	-2059	-2059	50760	60837
25	138	-1815	-1815	-1794	-1794	58340	70892
26	144	-1518	-1518	-1497	-1497	67180	82797
27	150	-1284	-1284	-1263	-1263	77280	96552
28	155	-1014	-1014	-993	-993	89640	112257
29	161	-808	-808	-787	-787	104260	130012
30	167	-602	-602	-581	-581	121140	150017
31	172	-403	-403	-382	-382	140280	172472
32	178	-244	-244	-223	-223	162680	208527
33	183	-136	-136	-115	-115	189340	258082
34	188	-10	-10	11	11	220260	322137
35	194	-228	-228	-109	-109	266440	401692
36	200	-226	-226	-105	-105	317760	496747
37	206	-270	-270	-149	-149	384220	608202
38	211	-108	-108	-88	-88	465740	746257
39	217	0	0	0	0	563400	911812
40	222	-264	-264	-143	-143	687260	1105867
41	228	-243	-243	-111	-111	838480	1339422
42	233	-187	-187	-87	-87	1016700	1613977
43	239	-155	-155	-63	-63	1221920	1930532
44	244	-103	-103	-38	-38	1454140	2300087
45	250	-207	-207	-199	-199	1724360	2724642
46	255	-177	-177	-147	-147	2032580	3215197
47	261	-103	-103	-78	-78	2478800	3782752
48	267	-218	-218	-105	-105	3073020	4438307
49	272	-103	-103	-58	-58	3815240	5193862
50	278	-101	-101	-44	-44	4717460	6069417
51	283	-102	-102	-40	-40	5791680	7074972
52	289	-103	-103	-40	-40	7047900	8220527
53	294	-147	-147	-61	-61	8494120	9526082
54	300	-171	-171	-86	-86	10150340	11001637
55	306	-138	-138	-61	-61	12026560	12667192
56	311	-109	-109	-46	-46	14142780	14532747
57	317	-105	-105	-47	-47	16509000	16618302
58	322	-111	-111	-52	-52	19135220	18983857
59	328	-144	-144	-73	-73	22021440	21659412
60	333	-107	-107	-50	-50	26177660	25654967

SPECTRA RECASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 12/11/58		AV. I = 7.4		RECORD = LL 1			
RCUR = 0		SIG. MGT. = 17.3		WIND SPEED = 25			
TOTAL CF = 68		CORR. FSR = 10.7		NOISE LEVEL = -0.034			
H	PRE.	UNIT FT-2	FILTERED	LESS NOISE	CONR. FT-2	UPPER	LOWER
0	000	-0549	-0549	-0475	-0475	1876	0303
1	006	-0641	-0641	-0587	-0587	1582	0374
2	011	-0784	-0784	-0702	-0702	1484	0438
3	017	-1243	-1243	-1189	-1189	1192	0573
4	022	-1423	-1423	-1370	-1370	1136	0674
5	028	-1578	-1578	-1524	-1524	1224	0841
6	033	-1670	-1670	-1614	-1614	1240	0948
7	039	-1824	-1824	-1771	-1771	1324	1054
8	044	-1480	-1480	-1412	-1412	1346	1137
9	050	-1059	-1059	-1022	-1022	1328	1236
10	056	-723	-723	-710	-710	1222	1352
11	061	-604	-604	-621	-621	1188	1467
12	067	-1102	-1102	-1046	-1046	1149	1587
13	072	-1050	-1050	-1051	-1051	1286	1713
14	078	-1063	-1063	-1044	-1044	1378	1848
15	083	-1305	-1305	-1223	-1223	1480	1980
16	088	-1740	-1740	-1742	-1742	1528	2123
17	094	-1324	-1324	-1283	-1283	1671	2265
18	100	-884	-884	-843	-843	1824	2409
19	105	-680	-680	-638	-638	1984	2544
20	111	-512	-512	-459	-459	2142	2681
21	117	-383	-383	-327	-327	2302	2814
22	122	-270	-270	-216	-216	2464	2957
23	128	-138	-138	-124	-124	2626	3100
24	133	-104	-104	-125	-125	2784	3244
25	138	-777	-777	-745	-745	2944	3387
26	144	-733	-733	-677	-677	3102	3529
27	150	-582	-582	-576	-576	3258	3674
28	155	-474	-474	-474	-474	3414	3814
29	161	-362	-362	-360	-360	3568	3954
30	167	-253	-253	-250	-250	3720	4094
31	172	-164	-164	-165	-165	3874	4234
32	178	-243	-243	-196	-196	4028	4374
33	183	-164	-164	-160	-160	4180	4514
34	188	-227	-227	-173	-173	4334	4654
35	194	-286	-286	-232	-232	4486	4794
36	200	-308	-308	-274	-274	4638	4934
37	206	-175	-175	-127	-127	4790	5074
38	211	-117	-117	-117	-117	4942	5214
39	217	-113	-113	-117	-117	5094	5354
40	222	-113	-113	-113	-113	5246	5494
41	228	-106	-106	-106	-106	5398	5634
42	233	-653	-653	-604	-604	5550	5774
43	239	-608	-608	-545	-545	5702	5914
44	244	-608	-608	-545	-545	5854	6054
45	250	-604	-604	-534	-534	6006	6194
46	255	-604	-604	-534	-534	6158	6334
47	261	-604	-604	-534	-534	6310	6474
48	267	-604	-604	-534	-534	6462	6614
49	272	-604	-604	-534	-534	6614	6754
50	278	-604	-604	-534	-534	6766	6894
51	283	-604	-604	-534	-534	6918	7034
52	289	-604	-604	-534	-534	7070	7174
53	294	-604	-604	-534	-534	7222	7314
54	300	-604	-604	-534	-534	7374	7454
55	306	-604	-604	-534	-534	7526	7594
56	311	-604	-604	-534	-534	7678	7734
57	317	-604	-604	-534	-534	7830	7874
58	322	-604	-604	-534	-534	7982	8014
59	328	-604	-604	-534	-534	8134	8154
60	333	-604	-604	-534	-534	8286	8294







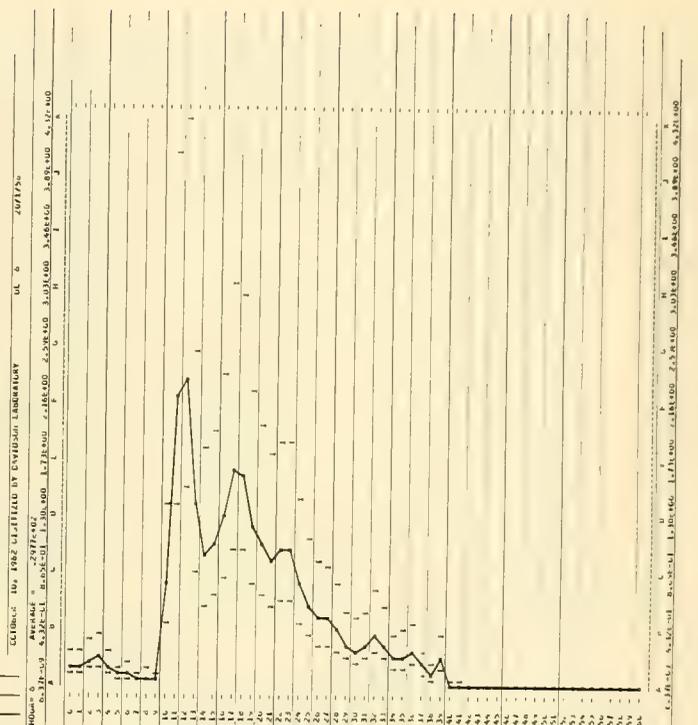






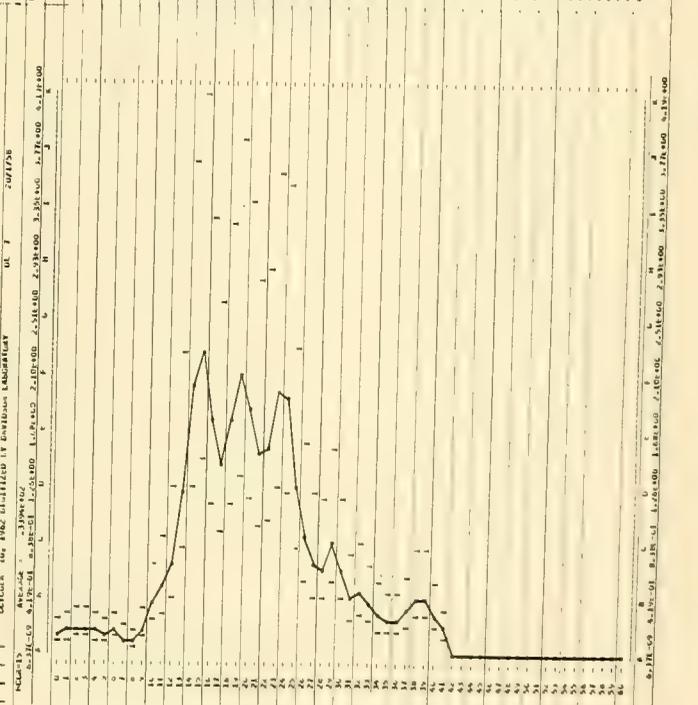
SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

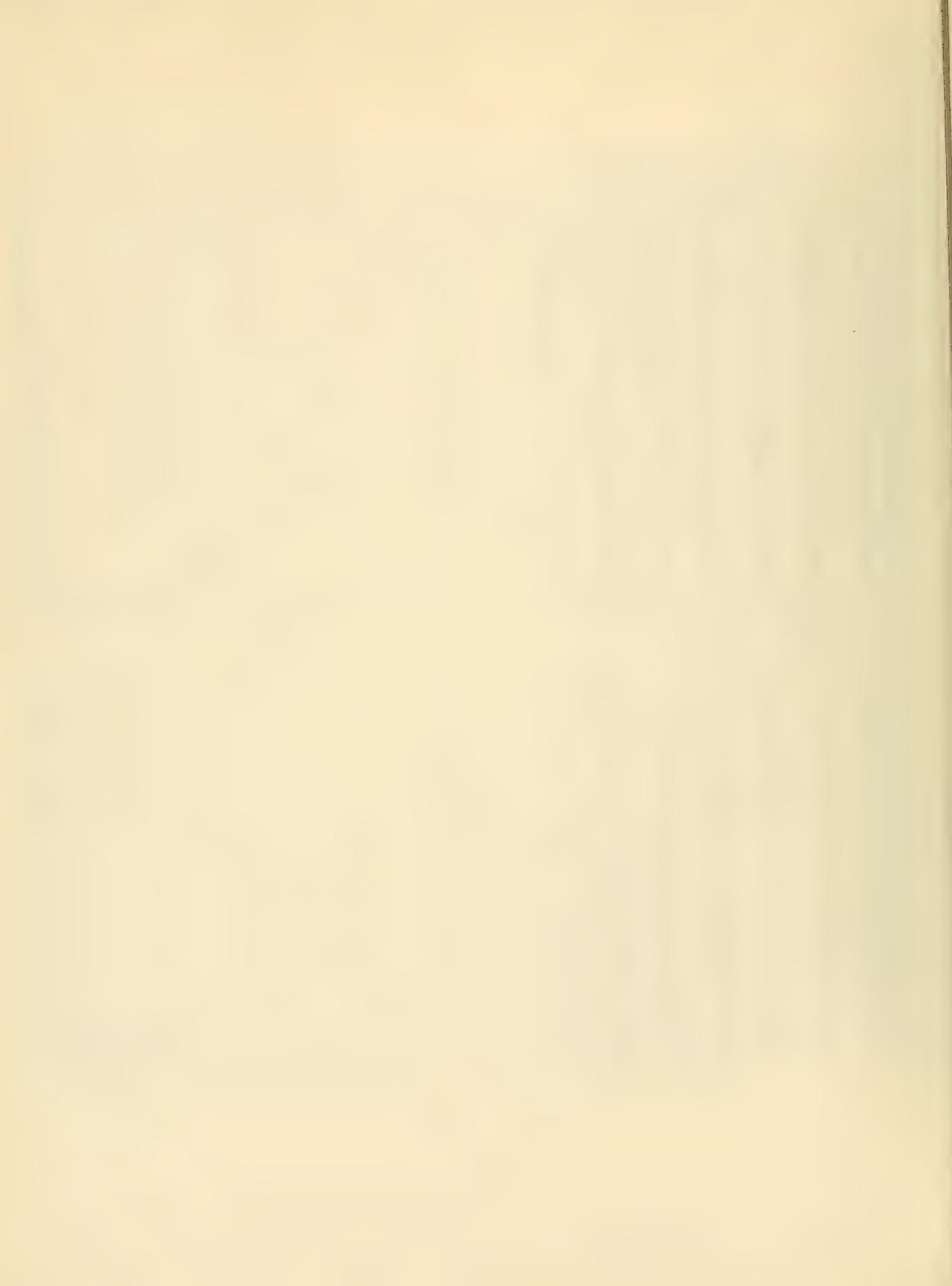
DATE = 10/11/62		AV. W.		RECORD = DL 6			
HOUR = 0		SIG. MAG. = 20.0					
TRIAL DE = 214		CORR. VAR. = 25.0		WIND SPEED = 35			
		NOISE LEVEL = .000V					
N	PHAS	UNIT#PT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1557	.1557	.1500	.1508	.2779	.0960
1	.004	.1484	.1484	.1432	.1435	.2648	.0918
2	.011	.1493	.1493	.1444	.1444	.2503	.1238
3	.013	.1428	.1428	.1417	.1417	.2513	.1326
4	.042	.1430	.1430	.1362	.1362	.2367	.1080
5	.033	.1422	.1422	.1374	.1374	.1971	.0874
6	.047	.1423	.1423	.1383	.1383	.1719	.0994
7	.044	.1423	.1423	.1383	.1383	.1974	.0317
8	.023	.1423	.1423	.1383	.1383	.1334	.0302
9	.044	.1423	.1423	.1383	.1383	.1501	.0368
10	.038	.1423	.1423	.1383	.1383	.1397	.4829
11	.021	.1423	.1423	.1383	.1383	.1308	.14013
12	.012	.20720	.20720	.20677	.20677	.20454	.43230
13	.012	.1423	.1423	.1383	.1383	.20457	.14934
14	.018	.8269	.8269	.8220	.8220	.81984	.8296
15	.003	.8271	.8271	.8220	.8220	.81984	.8213
16	.009	1.0123	1.0123	1.0022	1.0022	1.0053	.0759
17	.004	1.2244	1.2244	1.2209	1.2209	1.2202	.0241
18	.000	1.1183	1.1183	1.1125	1.1125	1.1052	1.0572
19	.102	.8149	.8149	.8100	.8100	.8082	1.0268
20	.111	.8048	.8048	.8000	.8000	.7978	1.056
21	.117	.5570	.5570	.5521	.5521	1.0710	.1754
22	.122	.5473	.5473	.5424	.5424	1.0701	.0824
23	.148	.5944	.5944	.5895	.5895	1.0701	.0446
24	.133	.3547	.3547	.3498	.3498	1.1431	.0504
25	.139	.4507	.4507	.4458	.4458	1.1027	.1811
26	.144	.1940	.1940	.1891	.1891	.1870	.3718
27	.150	.1128	.1128	.1079	.1079	.1058	.1175
28	.150	.1315	.1315	.1266	.1266	.1245	.1031
29	.181	.0919	.0919	.0870	.0870	.2137	.1098
30	.187	.0724	.0724	.0675	.0675	.2509	.1760
31	.132	.1073	.1073	.1024	.1024	.2509	.2079
32	.178	.0805	.0805	.0756	.0756	.2509	.1078
33	.183	.0801	.0801	.0752	.0752	.2509	.1413
34	.184	.0394	.0394	.0345	.0345	.2509	.1460
35	.124	.0325	.0325	.0276	.0276	.2509	.1460
36	.100	.0340	.0340	.0291	.0291	.2509	.1460
37	.100	.0340	.0340	.0291	.0291	.2509	.1460
38	.111	.0137	.0137	.0088	.0088	.2509	.1460
39	.117	.0200	.0200	.0151	.0151	.2509	.1460
40	.122	.0425	.0425	.0376	.0376	.2509	.1460
41	.126	.0228	.0228	.0179	.0179	.2509	.1460
42	.123	.0134	.0134	.0085	.0085	.2509	.1460
43	.123	.0114	.0114	.0065	.0065	.2509	.1460
44	.124	.0114	.0114	.0065	.0065	.2509	.1460
45	.124	.0114	.0114	.0065	.0065	.2509	.1460
46	.124	.0114	.0114	.0065	.0065	.2509	.1460
47	.124	.0114	.0114	.0065	.0065	.2509	.1460
48	.124	.0114	.0114	.0065	.0065	.2509	.1460
49	.124	.0114	.0114	.0065	.0065	.2509	.1460
50	.124	.0114	.0114	.0065	.0065	.2509	.1460
51	.124	.0114	.0114	.0065	.0065	.2509	.1460
52	.124	.0114	.0114	.0065	.0065	.2509	.1460
53	.124	.0114	.0114	.0065	.0065	.2509	.1460
54	.124	.0114	.0114	.0065	.0065	.2509	.1460
55	.124	.0114	.0114	.0065	.0065	.2509	.1460
56	.124	.0114	.0114	.0065	.0065	.2509	.1460
57	.124	.0114	.0114	.0065	.0065	.2509	.1460
58	.124	.0114	.0114	.0065	.0065	.2509	.1460
59	.124	.0114	.0114	.0065	.0065	.2509	.1460
60	.124	.0114	.0114	.0065	.0065	.2509	.1460



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/62		AV. W.		RECORD = DL 7			
HOUR = 15		SIG. MAG. = 23.0					
TRIAL DE = 218		CORR. VAR. = 25.0		WIND SPEED = 35			
		NOISE LEVEL = .010V					
N	PHAS	UNIT#PT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1515	.1515	.1410	.1411	.2508	.0898
1	.000	.1400	.1400	.1374	.1374	.2502	.1000
2	.011	.1400	.1400	.1374	.1374	.2502	.1123
3	.017	.1402	.1402	.1374	.1374	.2502	.1020
4	.027	.1402	.1402	.1374	.1374	.2502	.1020
5	.028	.1402	.1402	.1374	.1374	.2502	.1020
6	.033	.1402	.1402	.1374	.1374	.2502	.1020
7	.041	.1402	.1402	.1374	.1374	.2502	.1020
8	.044	.1402	.1402	.1374	.1374	.2502	.1020
9	.044	.1402	.1402	.1374	.1374	.2502	.1020
10	.048	.1402	.1402	.1374	.1374	.2502	.1020
11	.051	.1402	.1402	.1374	.1374	.2502	.1020
12	.051	.1402	.1402	.1374	.1374	.2502	.1020
13	.051	.1402	.1402	.1374	.1374	.2502	.1020
14	.051	.1402	.1402	.1374	.1374	.2502	.1020
15	.051	.1402	.1402	.1374	.1374	.2502	.1020
16	.051	.1402	.1402	.1374	.1374	.2502	.1020
17	.051	.1402	.1402	.1374	.1374	.2502	.1020
18	.051	.1402	.1402	.1374	.1374	.2502	.1020
19	.051	.1402	.1402	.1374	.1374	.2502	.1020
20	.051	.1402	.1402	.1374	.1374	.2502	.1020
21	.051	.1402	.1402	.1374	.1374	.2502	.1020
22	.051	.1402	.1402	.1374	.1374	.2502	.1020
23	.051	.1402	.1402	.1374	.1374	.2502	.1020
24	.051	.1402	.1402	.1374	.1374	.2502	.1020
25	.051	.1402	.1402	.1374	.1374	.2502	.1020
26	.051	.1402	.1402	.1374	.1374	.2502	.1020
27	.051	.1402	.1402	.1374	.1374	.2502	.1020
28	.051	.1402	.1402	.1374	.1374	.2502	.1020
29	.051	.1402	.1402	.1374	.1374	.2502	.1020
30	.051	.1402	.1402	.1374	.1374	.2502	.1020
31	.051	.1402	.1402	.1374	.1374	.2502	.1020
32	.051	.1402	.1402	.1374	.1374	.2502	.1020
33	.051	.1402	.1402	.1374	.1374	.2502	.1020
34	.051	.1402	.1402	.1374	.1374	.2502	.1020
35	.051	.1402	.1402	.1374	.1374	.2502	.1020
36	.051	.1402	.1402	.1374	.1374	.2502	.1020
37	.051	.1402	.1402	.1374	.1374	.2502	.1020
38	.051	.1402	.1402	.1374	.1374	.2502	.1020
39	.051	.1402	.1402	.1374	.1374	.2502	.1020
40	.051	.1402	.1402	.1374	.1374	.2502	.1020
41	.051	.1402	.1402	.1374	.1374	.2502	.1020
42	.051	.1402	.1402	.1374	.1374	.2502	.1020
43	.051	.1402	.1402	.1374	.1374	.2502	.1020
44	.051	.1402	.1402	.1374	.1374	.2502	.1020
45	.051	.1402	.1402	.1374	.1374	.2502	.1020
46	.051	.1402	.1402	.1374	.1374	.2502	.1020
47	.051	.1402	.1402	.1374	.1374	.2502	.1020
48	.051	.1402	.1402	.1374	.1374	.2502	.1020
49	.051	.1402	.1402	.1374	.1374	.2502	.1020
50	.051	.1402	.1402	.1374	.1374	.2502	.1020
51	.051	.1402	.1402	.1374	.1374	.2502	.1020
52	.051	.1402	.1402	.1374	.1374	.2502	.1020
53	.051	.1402	.1402	.1374	.1374	.2502	.1020
54	.051	.1402	.1402	.1374	.1374	.2502	.1020
55	.051	.1402	.1402	.1374	.1374	.2502	.1020
56	.051	.1402	.1402	.1374	.1374	.2502	.1020
57	.051	.1402	.1402	.1374	.1374	.2502	.1020
58	.051	.1402	.1402	.1374	.1374	.2502	.1020
59	.051	.1402	.1402	.1374	.1374	.2502	.1020
60	.051	.1402	.1402	.1374	.1374	.2502	.1020



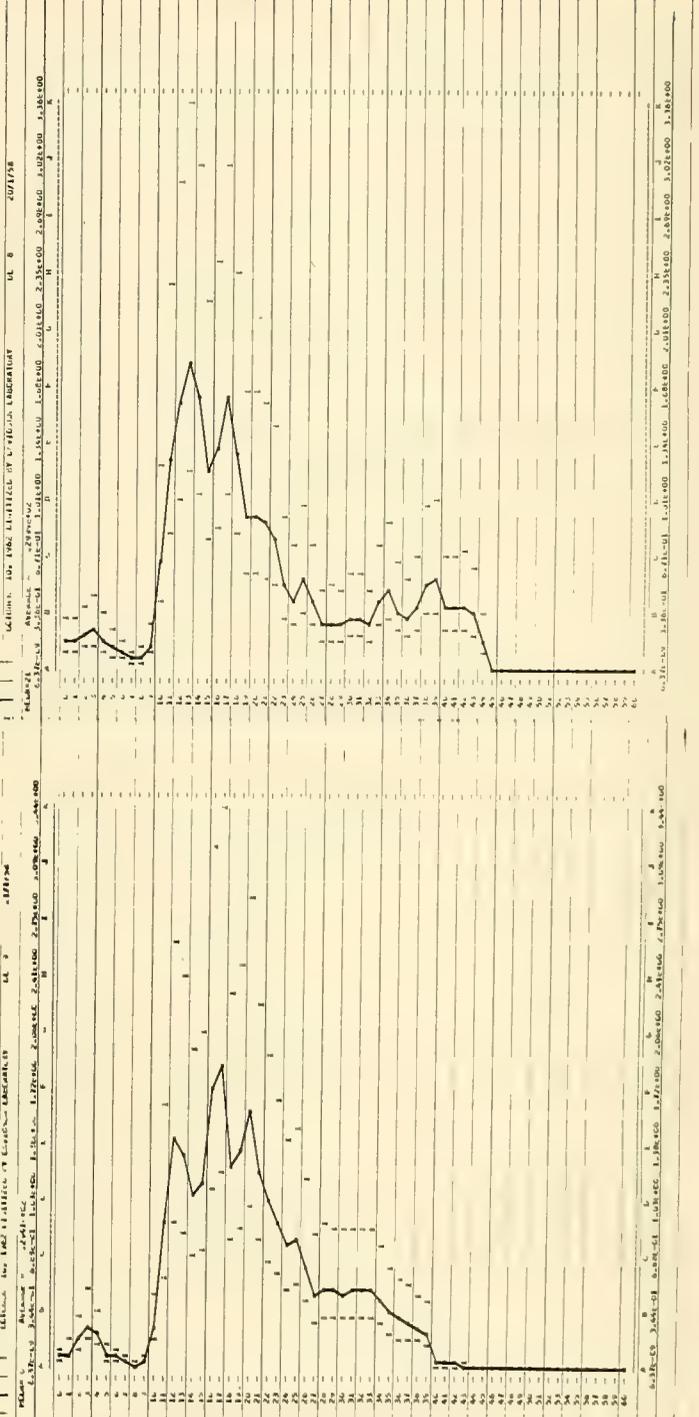


SPECTRA MIMOCASTING OCTOBER 10, 1962 UTILIZED BY DAVIDSEN LABORATORY

DATA = 2/1/58		SIG.MGT = 20-1		RECORD = 14 8			
TOTAL HP DATA		CURR. VOLT = 25.3		WIND SPEED = 30			
W	FREQ.	UNIT#1-F2	FILTERED	LESS NOISE	LOW-F.F.2	UPPER	LOWER
0	000	1703	1703	1614	1614	2975	1028
1	000	1714	1714	1622	1622	2971	1023
2	011	1716	1716	1605	1605	2985	1115
3	017	1742	1742	1612	1612	2981	1122
4	022	1760	1760	1746	1746	2978	1139
5	028	1779	1779	1718	1718	2730	1278
6	033	1849	1849	1598	1598	1740	1815
7	042	1858	1858	1575	1575	1658	1948
8	044	1848	1848	1593	1593	1361	1470
9	050	1857	1857	1485	1485	1279	1098
10	054	1793	1793	1501	1501	1197	1138
11	061	1811	1811	1404	1404	2297	2977
12	067	1806	1806	1455	1455	2488	14007
13	072	1780	1780	1427	1427	2427	11598
14	078	1775	1775	1308	1308	1672	14082
15	083	1745	1745	1623	1623	2182	2563
16	089	1755	1755	1467	1467	2408	234
17	094	1817	1817	1458	1458	2492	14029
18	100	1871	1871	1879	1879	2369	163
19	108	1823	1823	1534	1534	1611	1718
20	111	1814	1814	1522	1522	1631	1711
21	117	1829	1829	1577	1577	1425	1888
22	122	1829	1829	1418	1418	1444	1826
23	128	1849	1849	1425	1425	1402	1305
24	133	1809	1809	1418	1418	1453	1475
25	139	1822	1822	1430	1430	1430	1346
26	144	1802	1802	1411	1411	1454	1478
27	149	1884	1884	1493	1493	1480	1479
28	154	1826	1826	1435	1435	1439	1479
29	161	1818	1818	1425	1425	1464	1480
30	167	1873	1873	1483	1483	1467	1467
31	172	1876	1876	1485	1485	1467	1467
32	178	1863	1863	1512	1512	1455	1477
33	182	1875	1875	1488	1488	1461	1461
34	187	1881	1881	1471	1471	1474	1474
35	193	1858	1858	1468	1468	1478	1478
36	198	1840	1840	1431	1431	1461	1461
37	204	1844	1844	1432	1432	1468	1461
38	211	1858	1858	1444	1444	1453	1453
39	217	1856	1856	1413	1413	1462	1466
40	222	1822	1822	1430	1430	1453	1464
41	228	1821	1821	1427	1427	1459	1462
42	233	1821	1821	1418	1418	1460	1461
43	238	1821	1821	1410	1410	1460	1461
44	244	1811	1811	1403	1403	1460	1461
45	249	1811	1811	1402	1402	1461	1461
46	254	1811	1811	1402	1402	1461	1461
47	261	1812	1812	1415	1415	1463	1463
48	267	1812	1812	1415	1415	1463	1463
49	272	1812	1812	1415	1415	1463	1463
50	278	1809	1809	1409	1409	1460	1460
51	283	1809	1809	1409	1409	1460	1460
52	289	1808	1808	1400	1400	1460	1460
53	294	1808	1808	1400	1400	1460	1460
54	300	1808	1808	1400	1400	1460	1460
55	306	1808	1808	1400	1400	1460	1460
56	312	1808	1808	1400	1400	1460	1460
57	317	1810	1810	1405	1405	1467	1467
58	322	1810	1810	1405	1405	1467	1467
59	328	1809	1809	1403	1403	1468	1468
60	333	1809	1809	1403	1403	1468	1468

SPECTRA MIMOCASTING OCTOBER 10, 1962 UTILIZED BY DAVIDSEN LABORATORY

DATA = 2/1/58		SIG.MGT = 20-1		RECORD = 14 9			
TOTAL HP DATA		CURR. VOLT = 25.3		WIND SPEED = 30			
W	FREQ.	UNIT#1-F2	FILTERED	LESS NOISE	LOW-F.F.2	UPPER	LOWER
0	000	1801	1801	1632	1632	1486	1479
1	006	1801	1801	1632	1632	1486	1479
2	011	1872	1872	1743	1743	1483	1483
3	017	1884	1884	1838	1838	1478	1478
4	024	1881	1881	1774	1774	1484	1484
5	028	1883	1883	1678	1678	1479	1478
6	033	1814	1814	1654	1654	1484	1484
7	040	1834	1834	1613	1613	1478	1478
8	044	1834	1834	1613	1613	1478	1478
9	048	1834	1834	1613	1613	1478	1478
10	054	1834	1834	1613	1613	1478	1478
11	061	1834	1834	1613	1613	1478	1478
12	067	1834	1834	1613	1613	1478	1478
13	072	1834	1834	1613	1613	1478	1478
14	078	1834	1834	1613	1613	1478	1478
15	083	1834	1834	1613	1613	1478	1478
16	089	1834	1834	1613	1613	1478	1478
17	094	1834	1834	1613	1613	1478	1478
18	099	1834	1834	1613	1613	1478	1478
19	105	1834	1834	1613	1613	1478	1478
20	111	1834	1834	1613	1613	1478	1478
21	117	1834	1834	1613	1613	1478	1478
22	122	1834	1834	1613	1613	1478	1478
23	128	1834	1834	1613	1613	1478	1478
24	133	1834	1834	1613	1613	1478	1478
25	139	1834	1834	1613	1613	1478	1478
26	144	1834	1834	1613	1613	1478	1478
27	149	1834	1834	1613	1613	1478	1478
28	154	1834	1834	1613	1613	1478	1478
29	161	1834	1834	1613	1613	1478	1478
30	167	1834	1834	1613	1613	1478	1478
31	172	1834	1834	1613	1613	1478	1478
32	178	1834	1834	1613	1613	1478	1478
33	182	1834	1834	1613	1613	1478	1478
34	187	1834	1834	1613	1613	1478	1478
35	193	1834	1834	1613	1613	1478	1478
36	198	1834	1834	1613	1613	1478	1478
37	204	1834	1834	1613	1613	1478	1478
38	211	1834	1834	1613	1613	1478	1478
39	217	1834	1834	1613	1613	1478	1478
40	222	1834	1834	1613	1613	1478	1478
41	228	1834	1834	1613	1613	1478	1478
42	233	1834	1834	1613	1613	1478	1478
43	238	1834	1834	1613	1613	1478	1478
44	244	1834	1834	1613	1613	1478	1478
45	249	1834	1834	1613	1613	1478	1478
46	254	1834	1834	1613	1613	1478	1478
47	261	1834	1834	1613	1613	1478	1478
48	267	1834	1834	1613	1613	1478	1478
49	272	1834	1834	1613	1613	1478	1478
50	278	1834	1834	1613	1613	1478	1478





SPECTRA HANDCASTING LUTHER ID: 1966 DIGITIZED BY DAVIDSON LABORATORY

DATE = 2/17/78  
 RUN = 8  
 TOTAL UP TIME = 2.218

AV. IS = 2.4  
 SIG. NOISE = 2e-1  
 CORR. VAL. = 2068  
 NOISE LEVEL = .0101

WIND SPEED = 35

M	PALE	UNIFIT.F2	FILTREN	LOSS AC135	LOSS AC135	LOSS AC135	UPPER	LOWER
0	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	0.001	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
2	0.011	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404
3	0.017	0.1322	0.1322	0.1322	0.1322	0.1322	0.1322	0.1322
4	0.022	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
5	0.028	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281
6	0.033	0.0361	0.0361	0.0361	0.0361	0.0361	0.0361	0.0361
7	0.042	0.0817	0.0817	0.0817	0.0817	0.0817	0.0817	0.0817
8	0.054	0.0614	0.0614	0.0614	0.0614	0.0614	0.0614	0.0614
9	0.020	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857
10	0.056	0.2137	0.2137	0.2137	0.2137	0.2137	0.2137	0.2137
11	0.061	0.0420	0.0420	0.0420	0.0420	0.0420	0.0420	0.0420
12	0.067	0.0806	0.0806	0.0806	0.0806	0.0806	0.0806	0.0806
13	0.072	0.1267	0.1267	0.1267	0.1267	0.1267	0.1267	0.1267
14	0.078	0.1310	0.1310	0.1310	0.1310	0.1310	0.1310	0.1310
15	0.083	0.1304	0.1304	0.1304	0.1304	0.1304	0.1304	0.1304
16	0.089	0.1704	0.1704	0.1704	0.1704	0.1704	0.1704	0.1704
17	0.093	0.0466	0.0466	0.0466	0.0466	0.0466	0.0466	0.0466
18	0.100	0.1305	0.1305	0.1305	0.1305	0.1305	0.1305	0.1305
19	0.108	0.0383	0.0383	0.0383	0.0383	0.0383	0.0383	0.0383
20	0.111	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207
21	0.117	0.0876	0.0876	0.0876	0.0876	0.0876	0.0876	0.0876
22	0.122	0.0804	0.0804	0.0804	0.0804	0.0804	0.0804	0.0804
23	0.128	0.2149	0.2149	0.2149	0.2149	0.2149	0.2149	0.2149
24	0.132	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717
25	0.137	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250	0.1250
26	0.144	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713
27	0.149	0.1102	0.1102	0.1102	0.1102	0.1102	0.1102	0.1102
28	0.156	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774	0.0774
29	0.160	0.0920	0.0920	0.0920	0.0920	0.0920	0.0920	0.0920
30	0.167	0.1121	0.1121	0.1121	0.1121	0.1121	0.1121	0.1121
31	0.174	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704
32	0.182	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231
33	0.189	0.0852	0.0852	0.0852	0.0852	0.0852	0.0852	0.0852
34	0.195	0.0718	0.0718	0.0718	0.0718	0.0718	0.0718	0.0718
35	0.200	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713	0.0713
36	0.207	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211	0.0211
37	0.213	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237
38	0.222	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250
39	0.227	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232
40	0.233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233
41	0.240	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230
42	0.246	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231
43	0.250	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220	0.0220
44	0.256	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206
45	0.260	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208
46	0.267	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177	0.0177
47	0.272	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184
48	0.278	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213	0.0213
49	0.283	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
50	0.289	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163
51	0.296	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160
52	0.300	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172
53	0.306	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166
54	0.311	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167
55	0.317	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
56	0.322	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163
57	0.328	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133	0.0133
58	0.332	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099	0.0099

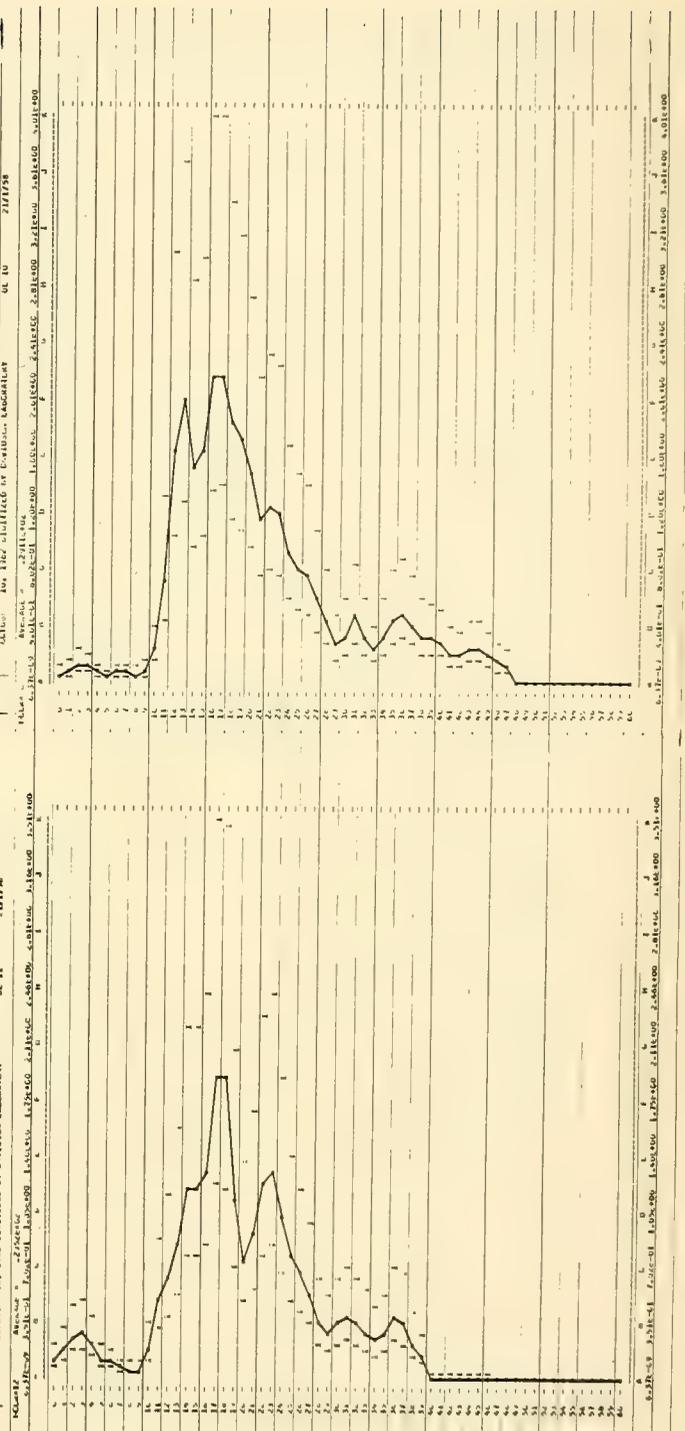
SPECTRA HANDCASTING LUTHER ID: 1966 DIGITIZED BY DAVIDSON LABORATORY

DATE = 2/17/78  
 RUN = 8  
 TOTAL UP TIME = 2.218

AV. IS = 2.4  
 SIG. NOISE = 2e-1  
 CORR. VAL. = 2106  
 NOISE LEVEL = .0070

WIND SPEED = 36

M	PALE	UNIFIT.F2	FILTREN	LOSS AC135	LOSS AC135	LOSS AC135	UPPER	LOWER
0	0.000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	0.001	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107
2	0.011	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404	0.0404
3	0.017	0.1270	0.1270	0.1270	0.1270	0.1270	0.1270	0.1270
4	0.022	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717	0.0717
5	0.028	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217
6	0.033	0.0383	0.0383	0.0383	0.0383	0.0383	0.0383	0.0383
7	0.042	0.0872	0.0872	0.0872	0.0872	0.0872	0.0872	0.0872
8	0.054	0.0601	0.0601	0.0601	0.0601	0.0601	0.0601	0.0601
9	0.020	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857	0.0857
10	0.056	0.1742	0.1742	0.1742	0.1742	0.1742	0.1742	0.1742
11	0.061	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208	0.0208
12	0.067	0.0849	0.0849	0.0849	0.0849	0.0849	0.0849	0.0849
13	0.072	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204
14	0.078	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194	0.0194
15	0.083	0.0827	0.0827	0.0827	0.0827	0.0827	0.0827	0.0827
16	0.089	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209	0.0209
17	0.093	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184	0.0184
18	0.100	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
19	0.108	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274	0.0274
20	0.111	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201
21	0.117	0.0801	0.0801	0.0801	0.0801	0.0801	0.0801	0.0801
22	0.122	0.0613	0.0613	0.0613	0.0613	0.0613	0.0613	0.0613
23	0.128	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161
24	0.132	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172
25	0.137	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
26	0.144	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172
27	0.149	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160
28	0.156	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
29	0.160	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111
30	0.167	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
31	0.174	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
32	0.182	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
33	0.189	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
34	0.195	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
35	0.200	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114
36	0.207	0.0120	0.0120	0.0120	0.0120	0.0120	0.0120	0.0120
37	0.213	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
38	0.222	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
39	0.227	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
40	0.233	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
41	0.240	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
42	0.246	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
43	0.250	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
44	0.256	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
45	0.260	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
46	0.267	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
47	0.272	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
48	0.278	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
49	0.283	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
50	0.289	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
51	0.296	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
52	0.300	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
53	0.306	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
54	0.311	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
55	0.317	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
56	0.322	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
57	0.328	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121
58	0.332	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121

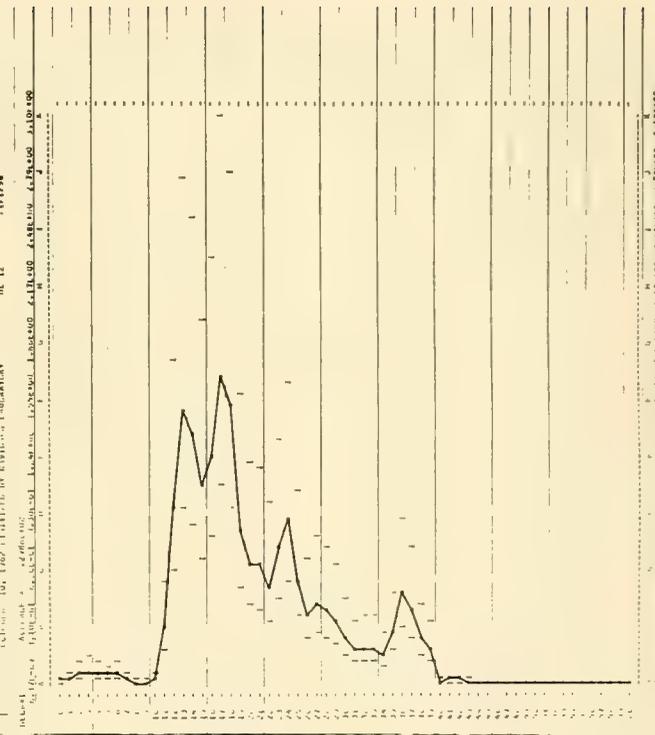




SPECTRA RECASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 2/1/58 Av. Tm = 8.3 RECORD = DL 12  
 MUM = 13 SIG.MFL = 11.5  
 TOTAL DE ZND CURR. VMA = 13.2  
 NOISE LEVEL = .009 WIND SPEED = 30

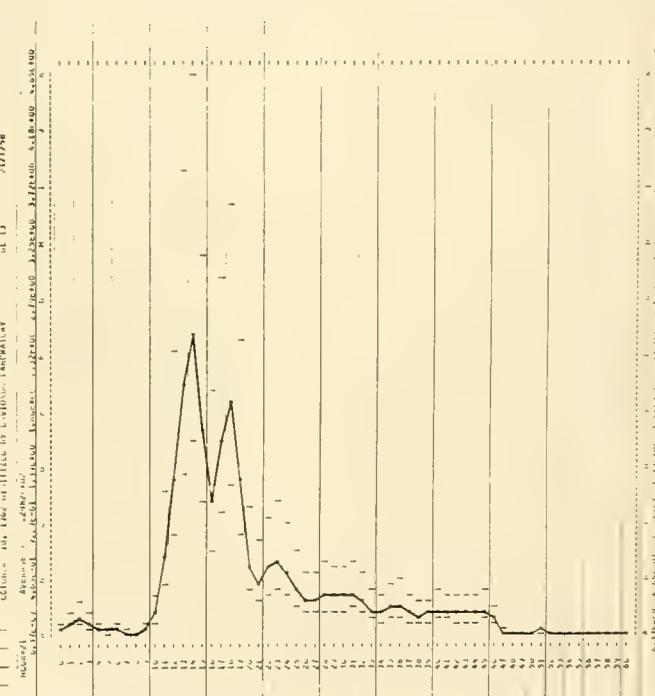
M	PRE.	UNIT#1,2	FILTERED	LESS ACISE	LOAR.FT.2	UPPER	LCLEN
0	.000	.0288	.0288	.0188	.0188	.0347	.0146
1	.006	.0323	.0323	.0223	.0223	.0358	.0256
2	.011	.0357	.0357	.0257	.0257	.0369	.0267
3	.017	.0392	.0392	.0292	.0292	.0380	.0278
4	.023	.0426	.0426	.0326	.0326	.0391	.0289
5	.028	.0461	.0461	.0361	.0361	.0402	.0300
6	.033	.0495	.0495	.0405	.0405	.0413	.0311
7	.039	.0530	.0530	.0440	.0440	.0424	.0322
8	.044	.0564	.0564	.0484	.0484	.0435	.0333
9	.050	.0599	.0599	.0529	.0529	.0446	.0344
10	.056	.0633	.0633	.0563	.0563	.0457	.0352
11	.061	.0668	.0668	.0608	.0608	.0468	.0360
12	.067	.0702	.0702	.0642	.0642	.0479	.0368
13	.072	.0737	.0737	.0677	.0677	.0490	.0376
14	.078	.0771	.0771	.0711	.0711	.0501	.0384
15	.083	.0806	.0806	.0746	.0746	.0512	.0392
16	.088	.0840	.0840	.0786	.0786	.0523	.0400
17	.093	.0875	.0875	.0825	.0825	.0534	.0408
18	.100	.0909	.0909	.0859	.0859	.0545	.0416
19	.105	.0944	.0944	.0894	.0894	.0556	.0424
20	.111	.0978	.0978	.0928	.0928	.0567	.0432
21	.117	.1013	.1013	.0963	.0963	.0578	.0440
22	.122	.1047	.1047	.1003	.1003	.0589	.0448
23	.128	.1082	.1082	.1038	.1038	.0600	.0456
24	.133	.1116	.1116	.1073	.1073	.0611	.0464
25	.139	.1151	.1151	.1108	.1108	.0622	.0472
26	.144	.1185	.1185	.1143	.1143	.0633	.0480
27	.150	.1220	.1220	.1178	.1178	.0644	.0488
28	.155	.1254	.1254	.1213	.1213	.0655	.0496
29	.161	.1289	.1289	.1248	.1248	.0666	.0504
30	.167	.1323	.1323	.1283	.1283	.0677	.0512
31	.172	.1358	.1358	.1318	.1318	.0688	.0520
32	.178	.1392	.1392	.1353	.1353	.0699	.0528
33	.183	.1427	.1427	.1388	.1388	.0710	.0536
34	.189	.1461	.1461	.1423	.1423	.0721	.0544
35	.194	.1496	.1496	.1458	.1458	.0732	.0552
36	.200	.1530	.1530	.1493	.1493	.0743	.0560
37	.205	.1565	.1565	.1528	.1528	.0754	.0568
38	.211	.1600	.1600	.1563	.1563	.0765	.0576
39	.217	.1634	.1634	.1598	.1598	.0776	.0584
40	.222	.1669	.1669	.1633	.1633	.0787	.0592
41	.228	.1703	.1703	.1668	.1668	.0798	.0600
42	.233	.1738	.1738	.1703	.1703	.0809	.0608
43	.239	.1772	.1772	.1738	.1738	.0820	.0616
44	.244	.1807	.1807	.1773	.1773	.0831	.0624
45	.250	.1841	.1841	.1808	.1808	.0842	.0632
46	.256	.1876	.1876	.1843	.1843	.0853	.0640
47	.261	.1910	.1910	.1878	.1878	.0864	.0648
48	.267	.1945	.1945	.1913	.1913	.0875	.0656
49	.272	.1980	.1980	.1948	.1948	.0886	.0664
50	.278	.2014	.2014	.1983	.1983	.0897	.0672
51	.283	.2049	.2049	.2018	.2018	.0908	.0680
52	.289	.2083	.2083	.2053	.2053	.0919	.0688
53	.294	.2118	.2118	.2088	.2088	.0930	.0696
54	.300	.2152	.2152	.2123	.2123	.0941	.0704
55	.306	.2187	.2187	.2158	.2158	.0952	.0712
56	.311	.2221	.2221	.2193	.2193	.0963	.0720
57	.317	.2256	.2256	.2228	.2228	.0974	.0728
58	.322	.2290	.2290	.2263	.2263	.0985	.0736
59	.328	.2325	.2325	.2298	.2298	.0996	.0744
60	.333	.2359	.2359	.2333	.2333	.1007	.0752



SPECTRA RECASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 2/1/58 Av. Tm = 8.3 RECORD = DL 13  
 MUM = 13 SIG.MFL = 11.5  
 TOTAL DE ZND CURR. VMA = 13.2  
 NOISE LEVEL = .007 WIND SPEED = 25

M	PRE.	UNIT#1,2	FILTERED	LESS ACISE	LOAR.FT.2	UPPER	LCLEN
0	.000	.0282	.0282	.0182	.0182	.0337	.0136
1	.006	.0317	.0317	.0217	.0217	.0348	.0144
2	.011	.0351	.0351	.0252	.0252	.0359	.0152
3	.017	.0386	.0386	.0287	.0287	.0370	.0160
4	.023	.0420	.0420	.0322	.0322	.0381	.0168
5	.028	.0455	.0455	.0357	.0357	.0392	.0176
6	.033	.0489	.0489	.0392	.0392	.0403	.0184
7	.039	.0524	.0524	.0427	.0427	.0414	.0192
8	.044	.0558	.0558	.0462	.0462	.0425	.0200
9	.050	.0593	.0593	.0497	.0497	.0436	.0208
10	.056	.0627	.0627	.0532	.0532	.0447	.0216
11	.061	.0662	.0662	.0567	.0567	.0458	.0224
12	.067	.0696	.0696	.0602	.0602	.0469	.0232
13	.072	.0731	.0731	.0637	.0637	.0480	.0240
14	.078	.0765	.0765	.0672	.0672	.0491	.0248
15	.083	.0800	.0800	.0707	.0707	.0502	.0256
16	.088	.0834	.0834	.0742	.0742	.0513	.0264
17	.093	.0869	.0869	.0777	.0777	.0524	.0272
18	.099	.0903	.0903	.0812	.0812	.0535	.0280
19	.104	.0938	.0938	.0847	.0847	.0546	.0288
20	.110	.0972	.0972	.0882	.0882	.0557	.0296
21	.115	.1007	.1007	.0917	.0917	.0568	.0304
22	.120	.1041	.1041	.0952	.0952	.0579	.0312
23	.126	.1076	.1076	.0987	.0987	.0590	.0320
24	.131	.1110	.1110	.1022	.1022	.0601	.0328
25	.136	.1145	.1145	.1057	.1057	.0612	.0336
26	.141	.1179	.1179	.1092	.1092	.0623	.0344
27	.147	.1214	.1214	.1127	.1127	.0634	.0352
28	.152	.1248	.1248	.1162	.1162	.0645	.0360
29	.157	.1283	.1283	.1197	.1197	.0656	.0368
30	.163	.1317	.1317	.1232	.1232	.0667	.0376
31	.168	.1352	.1352	.1267	.1267	.0678	.0384
32	.173	.1386	.1386	.1302	.1302	.0689	.0392
33	.179	.1421	.1421	.1337	.1337	.0700	.0400
34	.184	.1455	.1455	.1372	.1372	.0711	.0408
35	.189	.1490	.1490	.1407	.1407	.0722	.0416
36	.195	.1524	.1524	.1442	.1442	.0733	.0424
37	.200	.1559	.1559	.1477	.1477	.0744	.0432
38	.206	.1593	.1593	.1512	.1512	.0755	.0440
39	.211	.1628	.1628	.1547	.1547	.0766	.0448
40	.217	.1662	.1662	.1582	.1582	.0777	.0456
41	.222	.1697	.1697	.1617	.1617	.0788	.0464
42	.228	.1731	.1731	.1652	.1652	.0799	.0472
43	.233	.1766	.1766	.1687	.1687	.0810	.0480
44	.239	.1800	.1800	.1722	.1722	.0821	.0488
45	.244	.1835	.1835	.1757	.1757	.0832	.0496
46	.250	.1869	.1869	.1792	.1792	.0843	.0504
47	.256	.1904	.1904	.1827	.1827	.0854	.0512
48	.261	.1938	.1938	.1862	.1862	.0865	.0520
49	.267	.1973	.1973	.1897	.1897	.0876	.0528
50	.272	.2007	.2007	.1932	.1932	.0887	.0536
51	.278	.2042	.2042	.1967	.1967	.0898	.0544
52	.283	.2076	.2076	.2002	.2002	.0909	.0552
53	.289	.2111	.2111	.2037	.2037	.0920	.0560
54	.294	.2145	.2145	.2072	.2072	.0931	.0568
55	.300	.2180	.2180	.2107	.2107	.0942	.0576
56	.306	.2214	.2214	.2142	.2142	.0953	.0584
57	.311	.2249	.2249	.2177	.2177	.0964	.0592
58	.317	.2283	.2283	.2212	.2212	.0975	.0600
59	.322	.2318	.2318	.2247	.2247	.0986	.0608
60	.328	.2352	.2352	.2282	.2282	.0997	.0616











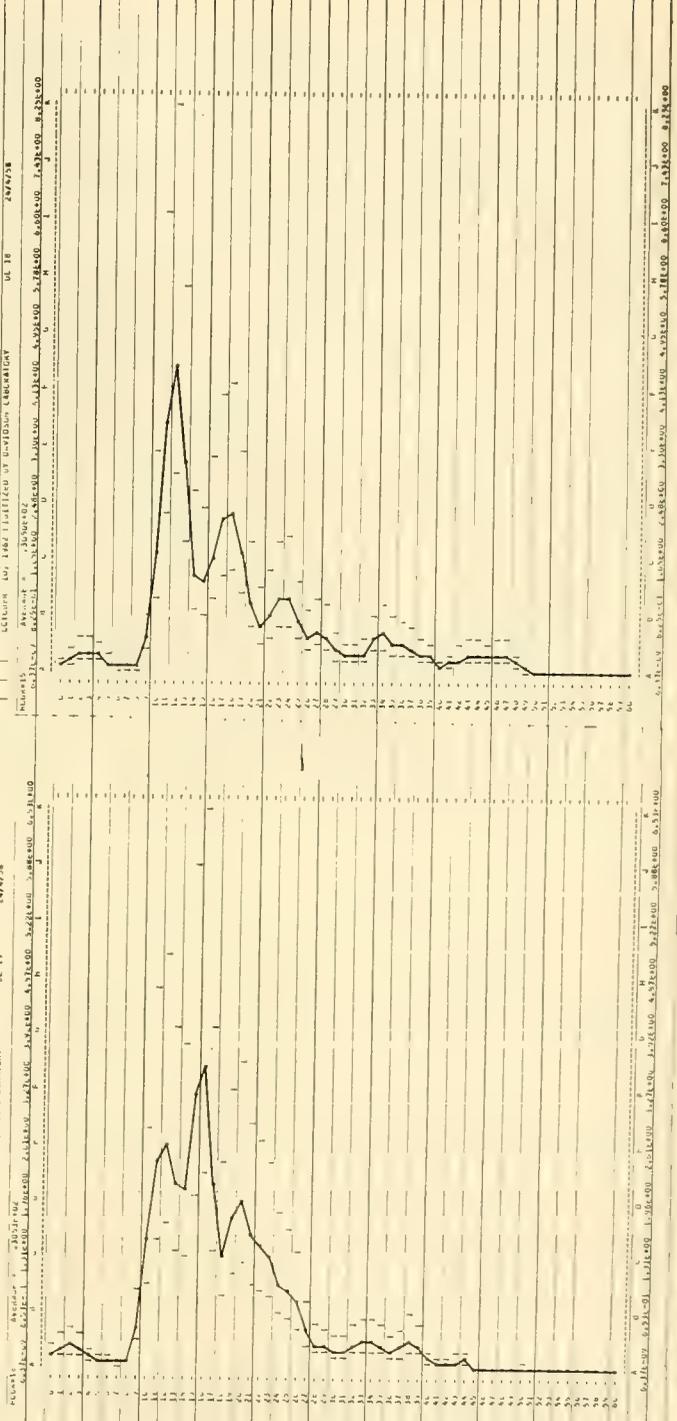


SPECTRA MANUFACTURING OCTOBER 10, 1962 UTILIZED BY DAVIDSON LABORATORY

DATE = 2/24/73		AV. T <sub>g</sub> = 24.0		REGRU = DL 10			
MOLD = 15		SIC. MFT. = 24.0		SIC. MFT. = 24.0			
TOTAL LF. = 2.00		CORE. V <sub>max</sub> = 32.0		WIND SPEED = 35			
		NOISE LEVEL = -0.069					
N	FREQ.	UNIT#1-F1.2	FILTERED	LESS NOISE	LOW-F1.2	UPPER	LOW-F2
0	0.00	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
1	0.06	-1.033	-1.033	-1.033	-1.033	-1.033	-1.033
2	0.11	-1.067	-1.067	-1.067	-1.067	-1.067	-1.067
3	0.17	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100
4	0.22	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134
5	0.28	-1.168	-1.168	-1.168	-1.168	-1.168	-1.168
6	0.33	-1.202	-1.202	-1.202	-1.202	-1.202	-1.202
7	0.39	-1.236	-1.236	-1.236	-1.236	-1.236	-1.236
8	0.44	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270
9	0.50	-1.304	-1.304	-1.304	-1.304	-1.304	-1.304
10	0.56	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338
11	0.61	-1.372	-1.372	-1.372	-1.372	-1.372	-1.372
12	0.67	-1.406	-1.406	-1.406	-1.406	-1.406	-1.406
13	0.72	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440
14	0.78	-1.474	-1.474	-1.474	-1.474	-1.474	-1.474
15	0.83	-1.508	-1.508	-1.508	-1.508	-1.508	-1.508
16	0.89	-1.542	-1.542	-1.542	-1.542	-1.542	-1.542
17	0.94	-1.576	-1.576	-1.576	-1.576	-1.576	-1.576
18	1.00	-1.610	-1.610	-1.610	-1.610	-1.610	-1.610
19	1.05	-1.644	-1.644	-1.644	-1.644	-1.644	-1.644
20	1.11	-1.678	-1.678	-1.678	-1.678	-1.678	-1.678
21	1.16	-1.712	-1.712	-1.712	-1.712	-1.712	-1.712
22	1.22	-1.746	-1.746	-1.746	-1.746	-1.746	-1.746
23	1.27	-1.780	-1.780	-1.780	-1.780	-1.780	-1.780
24	1.33	-1.814	-1.814	-1.814	-1.814	-1.814	-1.814
25	1.38	-1.848	-1.848	-1.848	-1.848	-1.848	-1.848
26	1.44	-1.882	-1.882	-1.882	-1.882	-1.882	-1.882
27	1.49	-1.916	-1.916	-1.916	-1.916	-1.916	-1.916
28	1.55	-1.950	-1.950	-1.950	-1.950	-1.950	-1.950
29	1.60	-1.984	-1.984	-1.984	-1.984	-1.984	-1.984
30	1.66	-2.018	-2.018	-2.018	-2.018	-2.018	-2.018
31	1.71	-2.052	-2.052	-2.052	-2.052	-2.052	-2.052
32	1.77	-2.086	-2.086	-2.086	-2.086	-2.086	-2.086
33	1.82	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120
34	1.88	-2.154	-2.154	-2.154	-2.154	-2.154	-2.154
35	1.93	-2.188	-2.188	-2.188	-2.188	-2.188	-2.188
36	1.99	-2.222	-2.222	-2.222	-2.222	-2.222	-2.222
37	2.04	-2.256	-2.256	-2.256	-2.256	-2.256	-2.256
38	2.09	-2.290	-2.290	-2.290	-2.290	-2.290	-2.290
39	2.15	-2.324	-2.324	-2.324	-2.324	-2.324	-2.324
40	2.20	-2.358	-2.358	-2.358	-2.358	-2.358	-2.358
41	2.25	-2.392	-2.392	-2.392	-2.392	-2.392	-2.392
42	2.31	-2.426	-2.426	-2.426	-2.426	-2.426	-2.426
43	2.36	-2.460	-2.460	-2.460	-2.460	-2.460	-2.460
44	2.41	-2.494	-2.494	-2.494	-2.494	-2.494	-2.494
45	2.47	-2.528	-2.528	-2.528	-2.528	-2.528	-2.528
46	2.52	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562
47	2.58	-2.596	-2.596	-2.596	-2.596	-2.596	-2.596
48	2.63	-2.630	-2.630	-2.630	-2.630	-2.630	-2.630
49	2.68	-2.664	-2.664	-2.664	-2.664	-2.664	-2.664
50	2.74	-2.698	-2.698	-2.698	-2.698	-2.698	-2.698
51	2.79	-2.732	-2.732	-2.732	-2.732	-2.732	-2.732
52	2.84	-2.766	-2.766	-2.766	-2.766	-2.766	-2.766
53	2.90	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800
54	2.95	-2.834	-2.834	-2.834	-2.834	-2.834	-2.834
55	3.00	-2.868	-2.868	-2.868	-2.868	-2.868	-2.868
56	3.06	-2.902	-2.902	-2.902	-2.902	-2.902	-2.902
57	3.11	-2.936	-2.936	-2.936	-2.936	-2.936	-2.936
58	3.17	-2.970	-2.970	-2.970	-2.970	-2.970	-2.970
59	3.22	-3.004	-3.004	-3.004	-3.004	-3.004	-3.004
60	3.27	-3.038	-3.038	-3.038	-3.038	-3.038	-3.038

SPECTRA MANUFACTURING OCTOBER 10, 1962 UTILIZED BY DAVIDSON LABORATORY

DATE = 2/24/73		AV. T <sub>g</sub> = 24.0		REGRU = DL 10			
MOLD = 15		SIC. MFT. = 24.0		SIC. MFT. = 24.0			
TOTAL LF. = 2.00		CORE. V <sub>max</sub> = 32.0		WIND SPEED = 35			
		NOISE LEVEL = -0.069					
N	FREQ.	UNIT#1-F1.2	FILTERED	LESS NOISE	LOW-F1.2	UPPER	LOW-F2
0	0.00	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000
1	0.06	-1.033	-1.033	-1.033	-1.033	-1.033	-1.033
2	0.11	-1.067	-1.067	-1.067	-1.067	-1.067	-1.067
3	0.17	-1.100	-1.100	-1.100	-1.100	-1.100	-1.100
4	0.22	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134
5	0.28	-1.168	-1.168	-1.168	-1.168	-1.168	-1.168
6	0.33	-1.202	-1.202	-1.202	-1.202	-1.202	-1.202
7	0.39	-1.236	-1.236	-1.236	-1.236	-1.236	-1.236
8	0.44	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270
9	0.50	-1.304	-1.304	-1.304	-1.304	-1.304	-1.304
10	0.56	-1.338	-1.338	-1.338	-1.338	-1.338	-1.338
11	0.61	-1.372	-1.372	-1.372	-1.372	-1.372	-1.372
12	0.67	-1.406	-1.406	-1.406	-1.406	-1.406	-1.406
13	0.72	-1.440	-1.440	-1.440	-1.440	-1.440	-1.440
14	0.78	-1.474	-1.474	-1.474	-1.474	-1.474	-1.474
15	0.83	-1.508	-1.508	-1.508	-1.508	-1.508	-1.508
16	0.89	-1.542	-1.542	-1.542	-1.542	-1.542	-1.542
17	0.94	-1.576	-1.576	-1.576	-1.576	-1.576	-1.576
18	1.00	-1.610	-1.610	-1.610	-1.610	-1.610	-1.610
19	1.05	-1.644	-1.644	-1.644	-1.644	-1.644	-1.644
20	1.11	-1.678	-1.678	-1.678	-1.678	-1.678	-1.678
21	1.16	-1.712	-1.712	-1.712	-1.712	-1.712	-1.712
22	1.22	-1.746	-1.746	-1.746	-1.746	-1.746	-1.746
23	1.27	-1.780	-1.780	-1.780	-1.780	-1.780	-1.780
24	1.33	-1.814	-1.814	-1.814	-1.814	-1.814	-1.814
25	1.38	-1.848	-1.848	-1.848	-1.848	-1.848	-1.848
26	1.44	-1.882	-1.882	-1.882	-1.882	-1.882	-1.882
27	1.49	-1.916	-1.916	-1.916	-1.916	-1.916	-1.916
28	1.55	-1.950	-1.950	-1.950	-1.950	-1.950	-1.950
29	1.60	-1.984	-1.984	-1.984	-1.984	-1.984	-1.984
30	1.66	-2.018	-2.018	-2.018	-2.018	-2.018	-2.018
31	1.71	-2.052	-2.052	-2.052	-2.052	-2.052	-2.052
32	1.77	-2.086	-2.086	-2.086	-2.086	-2.086	-2.086
33	1.82	-2.120	-2.120	-2.120	-2.120	-2.120	-2.120
34	1.88	-2.154	-2.154	-2.154	-2.154	-2.154	-2.154
35	1.93	-2.188	-2.188	-2.188	-2.188	-2.188	-2.188
36	1.99	-2.222	-2.222	-2.222	-2.222	-2.222	-2.222
37	2.04	-2.256	-2.256	-2.256	-2.256	-2.256	-2.256
38	2.09	-2.290	-2.290	-2.290	-2.290	-2.290	-2.290
39	2.15	-2.324	-2.324	-2.324	-2.324	-2.324	-2.324
40	2.20	-2.358	-2.358	-2.358	-2.358	-2.358	-2.358
41	2.25	-2.392	-2.392	-2.392	-2.392	-2.392	-2.392
42	2.31	-2.426	-2.426	-2.426	-2.426	-2.426	-2.426
43	2.36	-2.460	-2.460	-2.460	-2.460	-2.460	-2.460
44	2.41	-2.494	-2.494	-2.494	-2.494	-2.494	-2.494
45	2.47	-2.528	-2.528	-2.528	-2.528	-2.528	-2.528
46	2.52	-2.562	-2.562	-2.562	-2.562	-2.562	-2.562
47	2.58	-2.596	-2.596	-2.596	-2.596	-2.596	-2.596
48	2.63	-2.630	-2.630	-2.630	-2.630	-2.630	-2.630
49	2.68	-2.664	-2.664	-2.664	-2.664	-2.664	-2.664
50	2.74	-2.698	-2.698	-2.698	-2.698	-2.698	-2.698
51	2.79	-2.732	-2.732	-2.732	-2.732	-2.732	-2.732
52	2.84	-2.766	-2.766	-2.766	-2.766	-2.766	-2.766
53	2.90	-2.800	-2.800	-2.800	-2.800	-2.800	-2.800
54	2.95	-2.834	-2.834	-2.834	-2.834	-2.834	-2.834
55	3.00	-2.868	-2.868	-2.868	-2.868	-2.868	-2.868
56	3.06	-2.902	-2.902	-2.902	-2.902	-2.902	-2.902
57	3.11	-2.936	-2.936	-2.936	-2.936	-2.936	-2.936
58	3.17	-2.970	-2.970	-2.970	-2.970	-2.970	-2.970
59	3.22	-3.004	-3.004	-3.004	-3.004	-3.004	-3.004
60	3.27	-3.038	-3.038	-3.038	-3.038	-3.038	-3.038















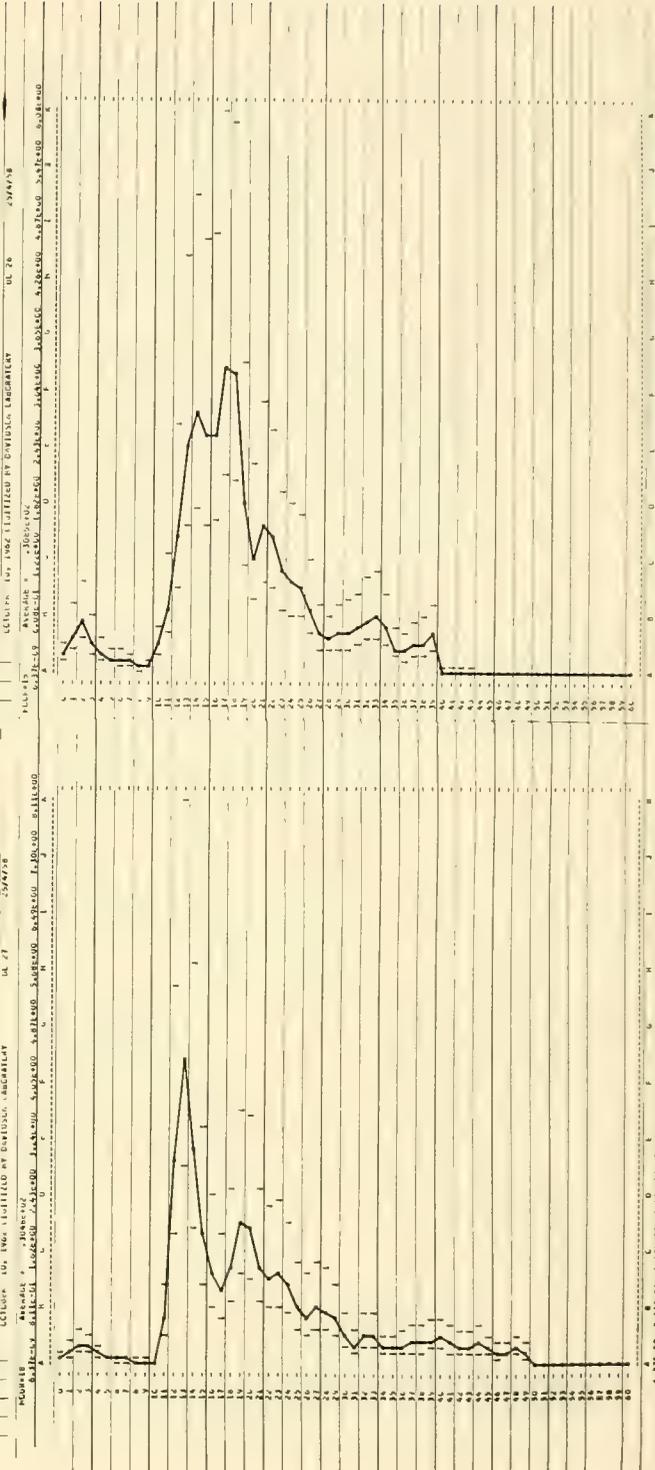


SPECTRA MINULASTING OCTOBER 19, 1962 UTILIZED BY DAVIDSON LABORATORY

DATE = 2/24/58		WAVELENGTH		WAVELENGTH		WAVELENGTH		WAVELENGTH	
MILK LF 132		SIG.MGT. = 2x1		SIG.MGT. = 2x1		SIG.MGT. = 2x1		SIG.MGT. = 2x1	
MILK LF 132		NOISE LEVEL = 0.010		NOISE LEVEL = 0.010		NOISE LEVEL = 0.010		NOISE LEVEL = 0.010	
N	PAR.	UNITS FT. 2	FILTERED	LESS ACIS	UNITS FT. 2	UPPER	LOWER	UPPER	LOWER
0	0.06	-1.780	-1.780	-1.625	-1.625	-1.394	-1.034		
1	0.06	-1.800	-1.800	-1.670	-1.670	-1.453	-1.068		
2	0.11	-2.047	-2.047	-1.932	-1.932	-1.792	-1.383		
3	0.17	-2.060	-2.060	-1.925	-1.925	-1.783	-1.380		
4	0.22	-2.137	-2.137	-1.973	-1.973	-1.830	-1.426		
5	0.28	-2.149	-2.149	-1.981	-1.981	-1.831	-1.426		
6	0.33	-2.138	-2.138	-1.974	-1.974	-1.822	-1.419		
7	0.39	-2.038	-2.038	-1.874	-1.874	-1.727	-1.370		
8	0.44	-2.053	-2.053	-1.889	-1.889	-1.742	-1.387		
9	0.50	-2.156	-2.156	-1.991	-1.991	-1.848	-1.425		
10	0.56	-2.261	-2.261	-2.094	-2.094	-1.951	-1.464		
11	0.61	-2.279	-2.279	-2.114	-2.114	-1.974	-1.486		
12	0.67	-2.310	-2.310	-2.144	-2.144	-2.003	-1.509		
13	0.72	-2.426	-2.426	-2.211	-2.211	-2.065	-1.567		
14	0.78	-2.376	-2.376	-2.262	-2.262	-2.015	-1.517		
15	0.83	-2.459	-2.459	-2.330	-2.330	-2.076	-1.578		
16	0.89	-2.410	-2.410	-2.280	-2.280	-2.026	-1.528		
17	0.94	-2.493	-2.493	-2.349	-2.349	-2.087	-1.589		
18	1.00	-2.482	-2.482	-2.338	-2.338	-2.076	-1.578		
19	1.06	-2.572	-2.572	-2.410	-2.410	-2.148	-1.640		
20	1.11	-2.608	-2.608	-2.448	-2.448	-2.186	-1.678		
21	1.17	-2.532	-2.532	-2.397	-2.397	-2.136	-1.628		
22	1.22	-2.721	-2.721	-2.600	-2.600	-2.339	-1.831		
23	1.28	-2.515	-2.515	-2.351	-2.351	-2.089	-1.586		
24	1.33	-2.620	-2.620	-2.424	-2.424	-2.162	-1.648		
25	1.38	-2.617	-2.617	-2.421	-2.421	-2.159	-1.645		
26	1.44	-2.653	-2.653	-2.457	-2.457	-2.195	-1.681		
27	1.49	-2.750	-2.750	-2.530	-2.530	-2.268	-1.743		
28	1.54	-2.749	-2.749	-2.527	-2.527	-2.265	-1.740		
29	1.60	-2.829	-2.829	-2.600	-2.600	-2.339	-1.804		
30	1.65	-2.828	-2.828	-2.597	-2.597	-2.336	-1.801		
31	1.72	-2.927	-2.927	-2.673	-2.673	-2.412	-1.866		
32	1.77	-2.926	-2.926	-2.670	-2.670	-2.409	-1.863		
33	1.83	-3.026	-3.026	-2.746	-2.746	-2.486	-1.931		
34	1.88	-3.025	-3.025	-2.743	-2.743	-2.483	-1.928		
35	1.94	-3.126	-3.126	-2.821	-2.821	-2.563	-2.001		
36	1.99	-3.125	-3.125	-2.818	-2.818	-2.560	-1.998		
37	2.05	-3.227	-3.227	-2.896	-2.896	-2.642	-2.074		
38	2.10	-3.226	-3.226	-2.893	-2.893	-2.639	-2.071		
39	2.16	-3.328	-3.328	-2.973	-2.973	-2.723	-2.157		
40	2.21	-3.327	-3.327	-2.970	-2.970	-2.720	-2.154		
41	2.27	-3.430	-3.430	-3.053	-3.053	-2.807	-2.242		
42	2.32	-3.429	-3.429	-3.050	-3.050	-2.804	-2.239		
43	2.38	-3.533	-3.533	-3.136	-3.136	-2.894	-2.331		
44	2.43	-3.532	-3.532	-3.133	-3.133	-2.891	-2.328		
45	2.49	-3.637	-3.637	-3.221	-3.221	-2.983	-2.426		
46	2.54	-3.636	-3.636	-3.218	-3.218	-2.980	-2.423		
47	2.60	-3.742	-3.742	-3.309	-3.309	-3.074	-2.526		
48	2.65	-3.741	-3.741	-3.306	-3.306	-3.071	-2.523		
49	2.71	-3.848	-3.848	-3.399	-3.399	-3.168	-2.631		
50	2.76	-3.847	-3.847	-3.396	-3.396	-3.165	-2.628		
51	2.82	-3.955	-3.955	-3.492	-3.492	-3.266	-2.744		
52	2.87	-3.954	-3.954	-3.489	-3.489	-3.263	-2.741		
53	2.93	-4.063	-4.063	-3.589	-3.589	-3.369	-2.861		
54	2.98	-4.062	-4.062	-3.586	-3.586	-3.366	-2.858		
55	3.04	-4.172	-4.172	-3.689	-3.689	-3.476	-2.984		
56	3.09	-4.171	-4.171	-3.686	-3.686	-3.473	-2.981		
57	3.15	-4.282	-4.282	-3.792	-3.792	-3.589	-3.114		
58	3.20	-4.281	-4.281	-3.789	-3.789	-3.586	-3.111		
59	3.26	-4.393	-4.393	-3.900	-3.900	-3.707	-3.254		
60	3.31	-4.392	-4.392	-3.897	-3.897	-3.704	-3.251		

SPECTRA MINULASTING OCTOBER 19, 1962 UTILIZED BY DAVIDSON LABORATORY

DATE = 2/24/58		WAVELENGTH		WAVELENGTH		WAVELENGTH		WAVELENGTH	
MILK LF 132		SIG.MGT. = 2x1		SIG.MGT. = 2x1		SIG.MGT. = 2x1		SIG.MGT. = 2x1	
MILK LF 132		NOISE LEVEL = 0.050		NOISE LEVEL = 0.050		NOISE LEVEL = 0.050		NOISE LEVEL = 0.050	
N	PAR.	UNITS FT. 2	FILTERED	LESS ACIS	UNITS FT. 2	UPPER	LOWER	UPPER	LOWER
0	0.06	-1.673	-1.673	-1.607	-1.607	-1.399	-1.052		
1	0.11	-1.723	-1.723	-1.657	-1.657	-1.459	-1.110		
2	0.17	-1.874	-1.874	-1.808	-1.808	-1.713	-1.365		
3	0.22	-1.924	-1.924	-1.858	-1.858	-1.763	-1.415		
4	0.28	-2.075	-2.075	-1.969	-1.969	-1.874	-1.526		
5	0.33	-2.125	-2.125	-2.019	-2.019	-1.924	-1.576		
6	0.39	-2.175	-2.175	-2.069	-2.069	-1.974	-1.626		
7	0.44	-2.225	-2.225	-2.119	-2.119	-2.024	-1.676		
8	0.49	-2.275	-2.275	-2.169	-2.169	-2.074	-1.726		
9	0.55	-2.325	-2.325	-2.219	-2.219	-2.124	-1.776		
10	0.60	-2.375	-2.375	-2.269	-2.269	-2.174	-1.826		
11	0.66	-2.425	-2.425	-2.319	-2.319	-2.224	-1.876		
12	0.71	-2.475	-2.475	-2.369	-2.369	-2.274	-1.926		
13	0.77	-2.525	-2.525	-2.419	-2.419	-2.324	-1.976		
14	0.82	-2.575	-2.575	-2.469	-2.469	-2.374	-2.026		
15	0.88	-2.625	-2.625	-2.519	-2.519	-2.424	-2.076		
16	0.93	-2.675	-2.675	-2.569	-2.569	-2.474	-2.126		
17	0.99	-2.725	-2.725	-2.619	-2.619	-2.524	-2.176		
18	1.04	-2.775	-2.775	-2.669	-2.669	-2.574	-2.226		
19	1.10	-2.825	-2.825	-2.719	-2.719	-2.624	-2.276		
20	1.15	-2.875	-2.875	-2.769	-2.769	-2.674	-2.326		
21	1.20	-2.925	-2.925	-2.819	-2.819	-2.724	-2.376		
22	1.26	-2.975	-2.975	-2.869	-2.869	-2.774	-2.426		
23	1.31	-3.025	-3.025	-2.919	-2.919	-2.824	-2.476		
24	1.36	-3.075	-3.075	-2.969	-2.969	-2.874	-2.526		
25	1.42	-3.125	-3.125	-3.019	-3.019	-2.924	-2.576		
26	1.47	-3.175	-3.175	-3.069	-3.069	-2.974	-2.626		
27	1.52	-3.225	-3.225	-3.119	-3.119	-3.024	-2.676		
28	1.58	-3.275	-3.275	-3.169	-3.169	-3.074	-2.726		
29	1.63	-3.325	-3.325	-3.219	-3.219	-3.124	-2.776		
30	1.68	-3.375	-3.375	-3.269	-3.269	-3.174	-2.826		
31	1.73	-3.425	-3.425	-3.319	-3.319	-3.224	-2.876		
32	1.79	-3.475	-3.475	-3.369	-3.369	-3.274	-2.926		
33	1.84	-3.525	-3.525	-3.419	-3.419	-3.324	-2.976		
34	1.89	-3.575	-3.575	-3.469	-3.469	-3.374	-3.026		
35	1.94	-3.625	-3.625	-3.519	-3.519	-3.424	-3.076		
36	1.99	-3.675	-3.675	-3.569	-3.569	-3.474	-3.126		
37	2.05	-3.725	-3.725	-3.619	-3.619	-3.524	-3.176		
38	2.10	-3.775	-3.775	-3.669	-3.669	-3.574	-3.226		
39	2.15	-3.825	-3.825	-3.719	-3.719	-3.624	-3.276		
40	2.20	-3.875	-3.875	-3.769	-3.769	-3.674	-3.326		
41	2.26	-3.925	-3.925	-3.819	-3.819	-3.724	-3.376		
42	2.31	-3.975	-3.975	-3.869	-3.869	-3.774	-3.426		
43	2.36	-4.025	-4.025	-3.919	-3.919	-3.824	-3.476		
44	2.41	-4.075	-4.075	-3.969	-3.969	-3.874	-3.526		
45	2.47	-4.125	-4.125	-4.019	-4.019	-3.924	-3.576		
46	2.52	-4.175	-4.175	-4.069	-4.069	-3.974	-3.626		
47	2.57	-4.225	-4.225	-4.119	-4.119	-4.024	-3.676		
48	2.62	-4.275	-4.275	-4.169	-4.169	-4.074	-3.726		
49	2.68	-4.325	-4.325	-4.219	-4.219	-4.124	-3.776		
50	2.73	-4.375	-4.375	-4.269	-4.269	-4.174	-3.826		
51	2.78	-4.425	-4.425	-4.319	-4.319	-4.224	-3.876		
52	2.83	-4.475	-4.475	-4.369	-4.369	-4.274	-3.926		
53	2.89	-4.525	-4.525	-4.419	-4.419	-4.324	-3.976		
54	2.94	-4.575	-4.575	-4.469	-4.469	-4.374	-4.026		
55	2.99	-4.625	-4.625	-4.519	-4.519	-4.424	-4.076		
56	3.04	-4.675	-4.675	-4.569	-4.569	-4.474	-4.126		
57	3.09	-4.725	-4.725	-4.619	-4.619	-4.524	-4.176		
58	3.15	-4.775	-4.775	-4.669	-4.669	-4.574	-4.226		
59	3.20	-4.825	-4.825	-4.719	-4.719	-4.624	-4.276		
60	3.25	-4.875	-4.875	-4.769	-4.769	-4.674	-4.326		





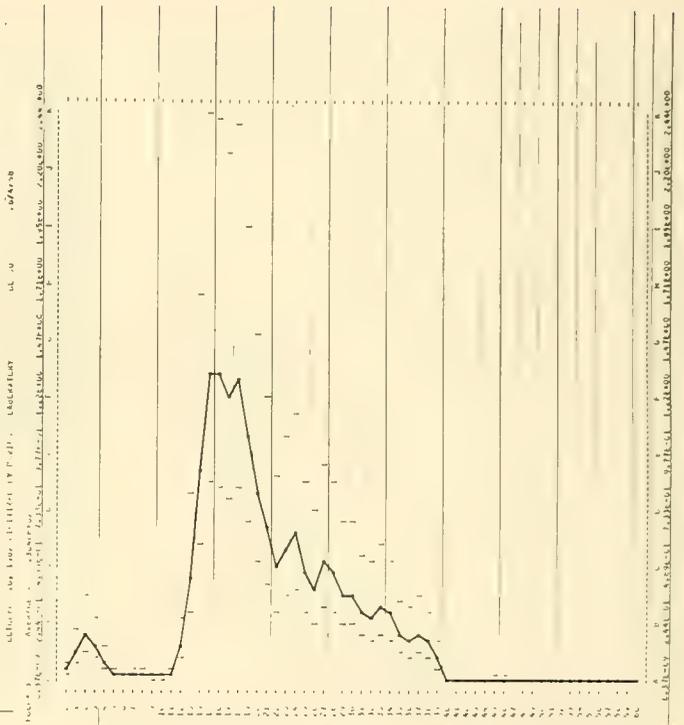




SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/10/62 Av. Tc = 0.1 RECORD = UL 30  
 HOUR = 0 SIG. MGT. = 10.4 UPPER MGT. = 10.4  
 TOTAL OF 209 CORR. FAK = 10.4 LOWER MGT. = 10.4  
 MOISE LEVEL = 0.036 WIND SPEED = 16

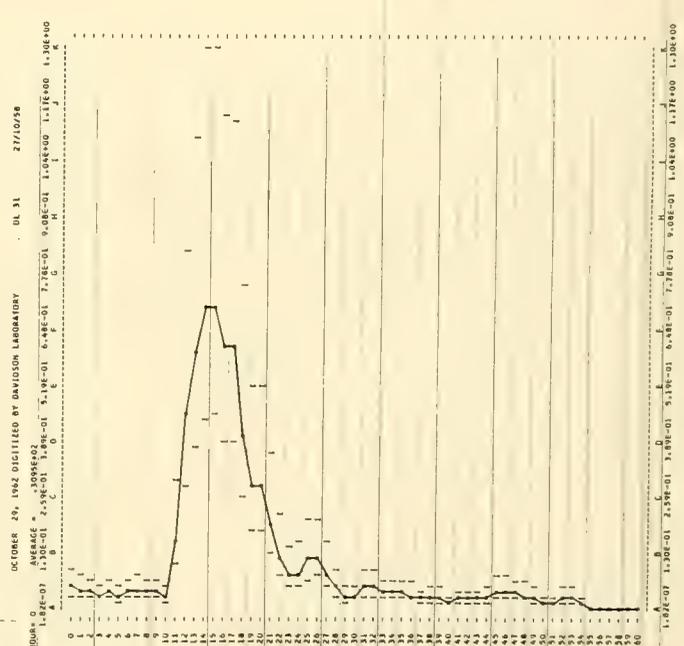
M	FAK	UNIT#PT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0478	.0478	.0423	.0472	.0781	.0770
1	.000	.1277	.1277	.1123	.1173	.1502	.1479
2	.011	.1998	.1998	.1844	.1844	.2183	.2138
3	.017	.1974	.1974	.1770	.1770	.2067	.2068
4	.062	.2865	.2865	.2741	.2741	.2858	.2854
5	.070	.3077	.3077	.3003	.3003	.3058	.3073
6	.093	.3174	.3174	.3114	.3113	.3056	.3113
7	.097	.3224	.3224	.3170	.3171	.3030	.3149
8	.094	.3238	.3238	.3184	.3184	.3041	.3146
9	.099	.3179	.3179	.3144	.3140	.3113	.3168
10	.096	.3218	.3218	.3166	.3167	.3044	.3119
11	.091	.3200	.3200	.3126	.3127	.3052	.3116
12	.067	.3123	.3123	.3094	.3094	.3053	.3117
13	.074	.3078	.3078	.3024	.3024	.3114	.3112
14	.074	.3063	.3063	.3005	.3012	.3048	.3071
15	.067	.3027	.3027	.2972	.2972	.3036	.3042
16	.069	.3047	.3047	.2993	.2993	.3033	.3037
17	.074	.3122	.3122	.3077	.3077	.3068	.3111
18	.100	.3167	.3167	.3133	.3133	.3032	.3067
19	.111	.3023	.3023	.2988	.2989	.3047	.3042
20	.117	.3040	.3040	.2980	.2980	.3030	.3043
21	.142	.2939	.2939	.2882	.2880	.3021	.3047
22	.128	.3035	.3035	.2981	.2981	.3027	.3042
23	.133	.2804	.2804	.2814	.2814	.3034	.3060
24	.139	.2941	.2941	.2887	.2884	.3067	.3045
25	.144	.2942	.2942	.2888	.2881	.3104	.3045
26	.150	.2759	.2759	.2710	.2702	.3079	.3024
27	.156	.2802	.2802	.2746	.2746	.3046	.3046
28	.163	.2874	.2874	.2820	.2814	.3060	.3035
29	.167	.2820	.2820	.2764	.2764	.3087	.3035
30	.172	.2882	.2882	.2828	.2828	.3068	.3055
31	.178	.2887	.2887	.2843	.2843	.3056	.3047
32	.178	.2887	.2887	.2843	.2843	.3056	.3047
33	.183	.2862	.2862	.2818	.2817	.3079	.3020
34	.189	.2862	.2862	.2818	.2818	.3049	.3033
35	.194	.2838	.2838	.2792	.2792	.3063	.3042
36	.200	.2821	.2821	.2797	.2797	.3034	.3053
37	.206	.2821	.2821	.2797	.2797	.3034	.3053
38	.211	.2816	.2816	.2792	.2792	.3034	.3053
39	.217	.2816	.2816	.2792	.2792	.3034	.3053
40	.224	.2808	.2808	.2794	.2794	.3063	.3044
41	.228	.2816	.2816	.2792	.2792	.3034	.3053
42	.233	.2810	.2810	.2794	.2794	.3081	.3022
43	.239	.2825	.2825	.2806	.2806	.3086	.3043
44	.244	.2812	.2812	.2797	.2797	.3081	.3045
45	.250	.2828	.2828	.2804	.2804	.3074	.3045
46	.256	.2813	.2813	.2792	.2792	.3068	.3043
47	.261	.2808	.2808	.2792	.2792	.3052	.3038
48	.267	.2808	.2808	.2792	.2792	.3052	.3038
49	.272	.2816	.2816	.2792	.2792	.3084	.3040
50	.278	.2817	.2817	.2792	.2792	.3053	.3040
51	.283	.2815	.2815	.2792	.2792	.3051	.3042
52	.288	.2803	.2803	.2792	.2792	.3053	.3038
53	.294	.2803	.2803	.2792	.2792	.3053	.3038
54	.300	.2804	.2804	.2792	.2792	.3050	.3040
55	.306	.2803	.2803	.2792	.2792	.3050	.3040
56	.311	.2804	.2804	.2792	.2792	.3050	.3040
57	.317	.2804	.2804	.2792	.2792	.3050	.3040
58	.322	.2804	.2804	.2792	.2792	.3050	.3040
59	.328	.2804	.2804	.2792	.2792	.3050	.3040
60	.333	.2804	.2804	.2792	.2792	.3050	.3040



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/62 Av. Tc = 8.7 RECORD = DL 31  
 HOUR = 0 SIG. MGT. = 10.4 UPPER MGT. = 11.4  
 TOTAL OF 185 CORR. FAK = 8.8 LOWER MGT. = 11.4  
 MOISE LEVEL = 0.023 WIND SPEED = 20

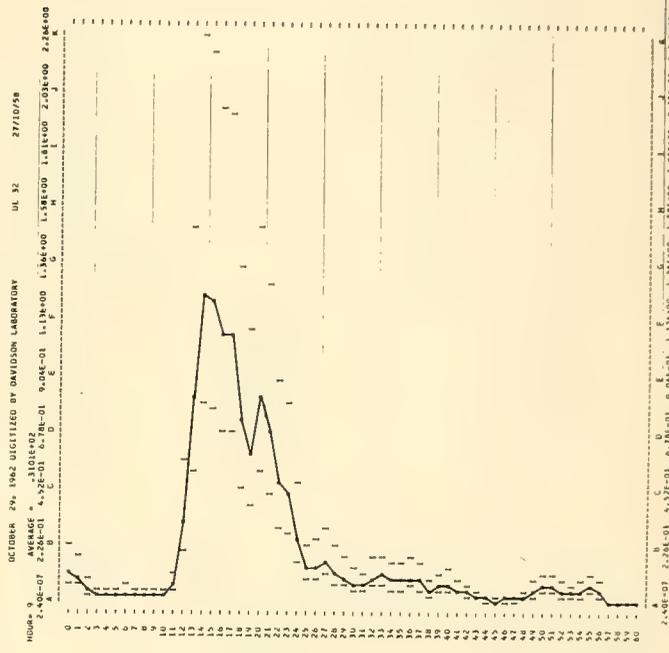
M	FAK	UNIT#PT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0494	.0494	.0471	.0471	.0868	.0360
1	.006	.0461	.0461	.0438	.0438	.0807	.0279
2	.011	.0359	.0359	.0336	.0336	.0818	.0214
3	.017	.0335	.0335	.0313	.0313	.0576	.0199
4	.022	.0248	.0248	.0225	.0225	.0500	.0207
5	.028	.0272	.0272	.0250	.0250	.0440	.0159
6	.033	.0236	.0236	.0214	.0214	.0420	.0214
7	.039	.0241	.0241	.0218	.0218	.0422	.0218
8	.044	.0228	.0228	.0206	.0206	.0471	.0222
9	.050	.0236	.0236	.0214	.0214	.0461	.0220
10	.056	.0209	.0209	.0202	.0202	.0540	.0187
11	.061	.1573	.1573	.1551	.1509	.2965	.1824
12	.067	.1416	.1416	.1392	.1306	.2806	.1645
13	.072	.1776	.1776	.1753	.1680	.3759	.2199
14	.078	.1789	.1789	.1777	.1714	.3727	.2160
15	.083	.1714	.1714	.1691	.1635	.3746	.2179
16	.089	.1813	.1813	.1790	.1727	.3749	.2160
17	.094	.1578	.1578	.1555	.1499	.3707	.2163
18	.100	.1595	.1595	.1572	.1517	.3746	.2190
19	.106	.1428	.1428	.1405	.1340	.3734	.2188
20	.111	.1328	.1328	.1305	.1241	.3718	.2182
21	.117	.1348	.1348	.1325	.1260	.3714	.2188
22	.122	.1086	.1086	.1063	.1007	.3715	.2165
23	.128	.0952	.0952	.0929	.0874	.3736	.2176
24	.133	.0983	.0983	.0960	.0903	.3735	.2175
25	.139	.0730	.0730	.0707	.0652	.3749	.2178
26	.144	.0711	.0711	.0688	.0633	.3749	.2178
27	.150	.0491	.0491	.0468	.0413	.3730	.2178
28	.156	.0271	.0271	.0248	.0200	.3746	.2179
29	.161	.0173	.0173	.0151	.0109	.3742	.2174
30	.167	.0168	.0168	.0145	.0103	.3741	.2174
31	.172	.0223	.0223	.0200	.0147	.3741	.2174
32	.178	.0212	.0212	.0190	.0137	.3740	.2174
33	.183	.0188	.0188	.0165	.0113	.3747	.2174
34	.189	.0134	.0134	.0111	.0058	.3745	.2174
35	.194	.0128	.0128	.0105	.0053	.3749	.2174
36	.200	.0115	.0115	.0092	.0040	.3746	.2174
37	.206	.0085	.0085	.0062	.0010	.3746	.2174
38	.211	.0084	.0084	.0061	.0009	.3747	.2174
39	.217	.0078	.0078	.0055	.0003	.3746	.2174
40	.222	.0058	.0058	.0035	.0001	.3746	.2174
41	.228	.0060	.0060	.0037	.0001	.3747	.2174
42	.233	.0056	.0056	.0034	.0001	.3746	.2174
43	.239	.0045	.0045	.0023	.0000	.3746	.2174
44	.244	.0045	.0045	.0023	.0001	.3746	.2174
45	.250	.0040	.0040	.0018	.0001	.3747	.2174
46	.256	.0038	.0038	.0016	.0001	.3746	.2174
47	.261	.0034	.0034	.0012	.0001	.3746	.2174
48	.267	.0031	.0031	.0009	.0001	.3746	.2174
49	.272	.0024	.0024	.0001	.0000	.3746	.2174
50	.278	.0028	.0028	.0001	.0000	.3746	.2174
51	.283	.0032	.0032	.0001	.0000	.3746	.2174
52	.289	.0042	.0042	.0001	.0000	.3746	.2174
53	.294	.0036	.0036	.0001	.0000	.3746	.2174
54	.300	.0025	.0025	.0001	.0000	.3746	.2174
55	.306	.0023	.0023	.0001	.0000	.3746	.2174
56	.311	.0021	.0021	.0001	.0000	.3746	.2174
57	.317	.0016	.0016	.0001	.0000	.3746	.2174
58	.322	.0013	.0013	.0001	.0000	.3746	.2174
59	.328	.0011	.0011	.0001	.0000	.3746	.2174
60	.333	.0006	.0006	.0001	.0000	.3746	.2174





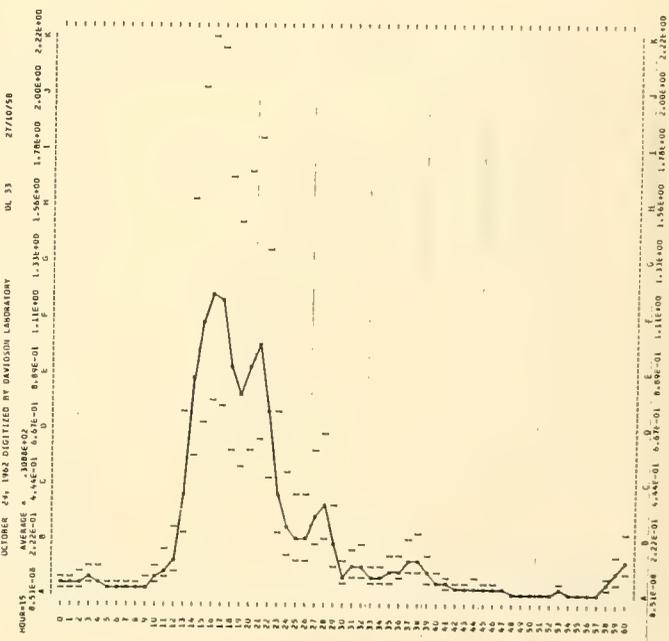
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58		AV. T =		RECORD =		DL 32	
HOUR = 9		SIG. HGT. = 14.0		UPPER HGT. = 15.3		LOWER HGT. = 12.8	
TOTAL DF = 174		CORR. VAR. =		NOISE LEVEL = .0068		WIND SPEED = 35	
M	FREQ.	UNIT=FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000	-.1267	-.1267	-.1200	-.1200	-.2211	-.0744
1	.006	-.1003	-.1003	-.0936	-.0936	-.1725	-.0546
2	.011	-.0532	-.0532	-.0464	-.0464	-.0896	-.0296
3	.017	-.0338	-.0338	-.0270	-.0270	-.0499	-.0172
4	.022	-.0329	-.0329	-.0262	-.0262	-.0483	-.0167
5	.028	-.0277	-.0277	-.0209	-.0209	-.0385	-.0133
6	.033	-.0266	-.0266	-.0199	-.0199	-.0377	-.0149
7	.039	-.0275	-.0275	-.0208	-.0208	-.0274	-.0176
8	.044	-.0248	-.0248	-.0180	-.0214	-.0395	-.0136
9	.050	-.0264	-.0264	-.0196	-.0218	-.0402	-.0139
10	.056	-.0284	-.0284	-.0216	-.0230	-.0424	-.0146
11	.061	-.0713	-.0713	-.0643	-.0649	-.1234	-.0426
12	.067	-.3086	-.3086	-.2918	-.2996	-.5706	-.1971
13	.072	-.7948	-.7948	-.7880	-.8085	-.14903	-.5148
14	.078	1.1916	1.1916	1.1848	1.2263	2.2602	7808
15	.083	1.1381	1.1381	1.1313	1.1894	2.1923	7574
16	.089	1.0057	1.0057	-.9989	1.0621	1.9577	6763
17	.094	1.9455	1.9455	1.9387	1.9599	1.9498	6736
18	.100	-.8420	-.8420	-.8352	-.8231	-.1328	-.4404
19	.106	-.5033	-.5033	-.4965	-.5262	-.10804	-.3732
20	.111	-.6666	-.6666	-.6598	-.6403	-.14355	-.5159
21	.117	-.3383	-.3383	-.3316	-.3413	-.12557	-.4338
22	.122	-.3616	-.3616	-.3548	-.3645	-.1280	-.4203
23	.128	-.3083	-.3083	-.3015	-.2938	-.12708	-.4208
24	.133	-.1861	-.1861	-.1793	-.1878	-.1239	-.4801
25	.139	-.0868	-.0868	-.0800	-.0878	-.1145	-.4396
26	.144	-.0898	-.0898	-.0831	-.0908	-.1174	-.4413
27	.150	-.0979	-.0979	-.0911	-.0988	-.1184	-.4429
28	.156	-.0724	-.0724	-.0656	-.0732	-.1228	-.4291
29	.161	-.0933	-.0933	-.0865	-.0941	-.1155	-.4349
30	.167	-.0388	-.0388	-.0320	-.0395	-.1280	-.4142
31	.172	-.0354	-.0354	-.0286	-.0361	-.1145	-.4396
32	.178	-.0450	-.0450	-.0382	-.0457	-.1174	-.4413
33	.183	-.0444	-.0444	-.0376	-.0451	-.1184	-.4429
34	.189	-.0399	-.0399	-.0331	-.0404	-.1184	-.4429
35	.194	-.0329	-.0329	-.0262	-.0337	-.1145	-.4396
36	.200	-.0346	-.0346	-.0278	-.0353	-.1174	-.4413
37	.206	-.0284	-.0284	-.0217	-.0292	-.1174	-.4413
38	.211	-.0181	-.0181	-.0114	-.0189	-.0875	-.3102
39	.217	-.0204	-.0204	-.0136	-.0211	-.0804	-.3171
40	.222	-.0218	-.0218	-.0150	-.0225	-.1170	-.4004
41	.228	-.0157	-.0157	-.0089	-.0164	-.0757	-.2482
42	.233	-.0132	-.0132	-.0065	-.0140	-.1010	-.3349
43	.239	-.0111	-.0111	-.0043	-.0118	-.0786	-.2255
44	.244	-.0093	-.0093	-.0023	-.0103	-.0540	-.1687
45	.250	-.0079	-.0079	-.0022	-.0092	-.0361	-.1044
46	.256	-.0084	-.0084	-.0013	-.0110	-.0203	-.0670
47	.261	-.0074	-.0074	-.0013	-.0110	-.0219	-.0686
48	.267	-.0092	-.0092	-.0011	-.0110	-.0239	-.0717
49	.272	-.0111	-.0111	-.0038	-.0110	-.0256	-.0726
50	.278	-.0109	-.0109	-.0040	-.0110	-.0256	-.0726
51	.283	-.0104	-.0104	-.0034	-.0110	-.0256	-.0726
52	.289	-.0087	-.0087	-.0023	-.0110	-.0256	-.0726
53	.294	-.0083	-.0083	-.0017	-.0110	-.0256	-.0726
54	.300	-.0087	-.0087	-.0019	-.0110	-.0256	-.0726
55	.306	-.0091	-.0091	-.0020	-.0110	-.0256	-.0726
56	.311	-.0087	-.0087	-.0015	-.0110	-.0256	-.0726
57	.317	-.0088	-.0088	-.0016	-.0110	-.0256	-.0726
58	.322	-.0086	-.0086	-.0016	-.0110	-.0256	-.0726
59	.328	-.0015	-.0015	-.0000	-.0000	-.0000	-.0000
60	.333	-.0015	-.0015	-.0000	-.0000	-.0000	-.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

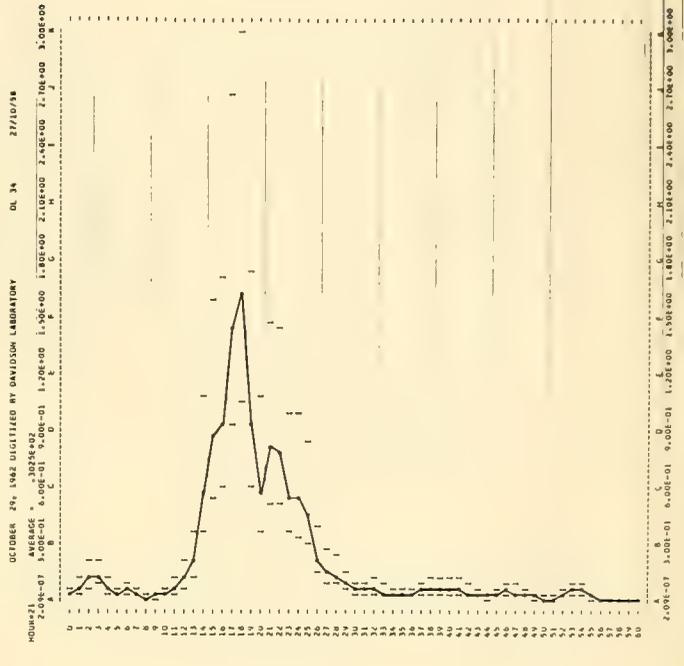
DATE = 27/10/58		AV. T =		RECORD =		DL 33	
HOUR = 15		SIG. HGT. = 14.5		UPPER HGT. = 15.8		LOWER HGT. = 13.3	
TOTAL DF = 180		CORR. VAR. =		NOISE LEVEL = .0055		WIND SPEED = 35	
M	FREQ.	UNIT=FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000	-.0402	-.0402	-.0347	-.0347	-.6439	-.0221
1	.006	-.0393	-.0393	-.0338	-.0338	-.6423	-.0215
2	.011	-.0487	-.0487	-.0432	-.0432	-.0786	-.0296
3	.017	-.0682	-.0682	-.0627	-.0627	-.1155	-.0399
4	.022	-.0901	-.0901	-.0846	-.0846	-.1006	-.0488
5	.028	-.0323	-.0323	-.0267	-.0267	-.0492	-.0170
6	.033	-.0213	-.0213	-.0158	-.0158	-.0458	-.0158
7	.039	-.0231	-.0231	-.0175	-.0233	-.0429	-.0148
8	.044	-.0212	-.0212	-.0157	-.0187	-.0344	-.0119
9	.050	-.0304	-.0304	-.0248	-.0303	-.0434	-.0212
10	.056	-.0614	-.0614	-.0558	-.0594	-.1094	-.0328
11	.061	-.0938	-.0938	-.0883	-.0916	-.1888	-.0583
12	.067	-.1437	-.1437	-.1381	-.1417	-.2611	-.0902
13	.072	-.3938	-.3938	-.3883	-.3913	-.7362	-.2526
14	.078	1.8541	1.8541	1.8486	1.8876	1.8807	1.8461
15	.083	1.0494	1.0494	1.0439	1.0975	2.0229	6988
16	.089	1.1382	1.1382	1.1327	1.2054	2.2218	7875
17	.094	1.0755	1.0755	1.0699	1.1406	2.1760	7517
18	.100	-.8002	-.8002	-.7946	-.8046	-.16673	-.5760
19	.106	-.8923	-.8923	-.8867	-.8907	-.14592	-.5182
20	.111	-.7554	-.7554	-.7498	-.7538	-.14972	-.5403
21	.117	-.7780	-.7780	-.7725	-.7765	-.14249	-.5204
22	.122	-.5593	-.5593	-.5537	-.5577	-.13701	-.4733
23	.128	-.2848	-.2848	-.2792	-.2832	-.12280	-.4262
24	.133	-.1805	-.1805	-.1750	-.1790	-.10795	-.3791
25	.139	-.1455	-.1455	-.1400	-.1440	-.10599	-.3622
26	.144	-.1375	-.1375	-.1319	-.1359	-.10556	-.3622
27	.150	-.1805	-.1805	-.1750	-.1790	-.10795	-.3791
28	.156	-.1913	-.1913	-.1857	-.1897	-.10477	-.3622
29	.161	-.0990	-.0990	-.0935	-.0975	-.10477	-.3622
30	.167	-.0384	-.0384	-.0329	-.0369	-.1233	-.0426
31	.172	-.0491	-.0491	-.0435	-.0475	-.1071	-.0406
32	.178	-.0488	-.0488	-.0433	-.0473	-.1090	-.0406
33	.183	-.0287	-.0287	-.0232	-.0272	-.1212	-.0419
34	.189	-.0267	-.0267	-.0211	-.0251	-.1148	-.0397
35	.194	-.0367	-.0367	-.0311	-.0351	-.1084	-.0375
36	.200	-.0308	-.0308	-.0252	-.0292	-.1020	-.0353
37	.206	-.0381	-.0381	-.0325	-.0365	-.1056	-.0375
38	.211	-.0377	-.0377	-.0321	-.0361	-.1020	-.0353
39	.217	-.0236	-.0236	-.0180	-.0220	-.1152	-.0426
40	.222	-.0160	-.0160	-.0104	-.0144	-.0926	-.0330
41	.228	-.0129	-.0129	-.0074	-.0114	-.0761	-.0263
42	.233	-.0101	-.0101	-.0046	-.0086	-.0616	-.0218
43	.239	-.0093	-.0093	-.0037	-.0077	-.0471	-.0163
44	.244	-.0108	-.0108	-.0051	-.0091	-.0595	-.0205
45	.250	-.0094	-.0094	-.0032	-.0072	-.0503	-.0146
46	.256	-.0077	-.0077	-.0022	-.0062	-.0384	-.0113
47	.261	-.0078	-.0078	-.0021	-.0061	-.0317	-.0091
48	.267	-.0054	-.0054	-.0016	-.0056	-.0208	-.0063
49	.272	-.0042	-.0042	-.0010	-.0050	-.0100	-.0030
50	.278	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
51	.283	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
52	.289	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
53	.294	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
54	.300	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
55	.306	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
56	.311	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
57	.317	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
58	.322	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
59	.328	-.0036	-.0036	-.0000	-.0050	-.0000	-.0000
60	.333	-.0089	-.0089	-.0022	-.1267	-.2335	-.0819





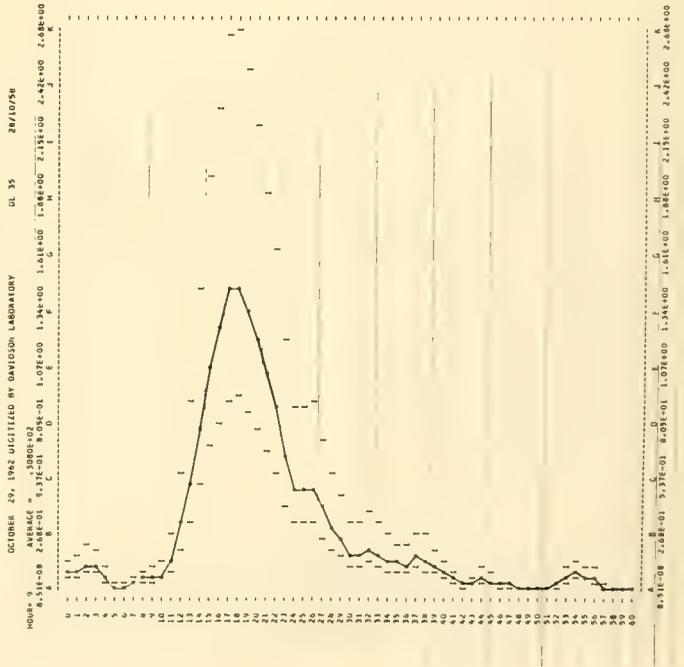
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58		AV. T <sub>a</sub> = 8.3		RECORD = DL 34			
HOUR = 21		SIG. HGT. = 14.2		UPPER HGT. = 13.4			
TOTAL DP = 137		CORR. VAR. = 12.7		LOWER HGT. = 13.0			
		NOISE LEVEL = .0039		WIND SPEED = 30			
M	PAR.	UNIT*FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000		.0396	.0357	.0357	.0458	.0227
1	.004		.0881	.0821	.0821	.1145	.0396
2	.011		.1202	.1163	.1163	.1513	.0740
3	.017		.1243	.1243	.1204	.1219	.0767
4	.022		.0876	.0835	.0835	.1121	.0405
5	.028		.0369	.0360	.0330	.0408	.0210
6	.033		.0400	.0361	.0360	.0460	.0362
7	.039		.0282	.0263	.0263	.0355	.0260
8	.044		.0116	.0077	.0091	.0149	.0058
9	.050		.0176	.0176	.0137	.0152	.0047
10	.056		.0287	.0287	.0248	.0487	.0168
11	.061		.0634	.0595	.0617	.1138	.0393
12	.067		.1098	.1059	.1084	.2003	.0692
13	.072		.1976	.1937	.1987	.3663	.1265
14	.078		.3673	.3636	.3633	1.0781	.3714
15	.083		.8321	.8321	.8282	1.6049	.5544
16	.088		.8727	.8688	.8238	1.7026	.5882
17	.094		1.5192	1.5153	1.4513	2.4750	.9241
18	.100		1.4335	1.4335	1.4257	2.9998	1.0363
19	.106		.8003	.8003	.7864	1.7328	.5986
20	.111		.4801	.4801	.4762	.5848	.1778
21	.117		.4274	.4274	.4235	.7491	1.4728
22	.122		.5856	.5856	.5857	1.4481	1.5066
23	.128		.3890	.3890	.3851	.5432	.1459
24	.133		.3055	.3055	.3016	.3378	.1464
25	.139		.2942	.2942	.2903	.4566	.1298
26	.144		.1331	.1331	.1292	.2146	.1373
27	.150		.0848	.0848	.0809	.1434	.0913
28	.156		.0891	.0891	.0852	.1233	.0785
29	.161		.0456	.0456	.0417	.0644	.0337
30	.167		.0270	.0270	.0231	.0500	.0222
31	.172		.0242	.0242	.0203	.0473	.0213
32	.178		.0277	.0277	.0238	.0400	.0105
33	.183		.0200	.0200	.0161	.0438	.0088
34	.189		.0148	.0148	.0109	.0421	.0182
35	.194		.0118	.0118	.0079	.0252	.0465
36	.200		.0101	.0101	.0062	.0355	.0226
37	.206		.0178	.0178	.0139	.0531	.0378
38	.211		.0204	.0204	.0165	.0687	.0287
39	.217		.0186	.0186	.0147	.0672	.0428
40	.222		.0176	.0176	.0136	.0648	.0267
41	.228		.0157	.0157	.0118	.0419	.0192
42	.233		.0105	.0112	.0073	.0448	.0827
43	.239		.0076	.0081	.0042	.0260	.0184
44	.244		.0063	.0070	.0031	.0235	.0433
45	.250		.0079	.0078	.0039	.0326	.0601
46	.256		.0059	.0059	.0020	.0475	.0703
47	.261		.0081	.0081	.0042	.0444	.0819
48	.267		.0062	.0064	.0025	.0288	.0180
49	.272		.0052	.0053	.0014	.0181	.0333
50	.278		.0040	.0044	.0005	.0082	.0130
51	.283		.0063	.0066	.0007	.0118	.0216
52	.289		.0064	.0059	.0020	.0382	.0704
53	.294		.0088	.0084	.0025	.0544	.0354
54	.300		.0058	.0057	.0018	.0458	.0844
55	.306		.0047	.0047	.0008	.0216	.0300
56	.311		.0033	.0034	.0000	.0000	.0000
57	.317		.0021	.0024	.0000	.0000	.0000
58	.322		.0018	.0018	.0000	.0000	.0000
59	.328		.0020	.0020	.0000	.0000	.0000
60	.333		.0022	.0021	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58		AV. T <sub>a</sub> = 8.0		RECORD = DL 35			
HOUR = 0		SIG. HGT. = 16.4		UPPER HGT. = 18.0			
TOTAL DP = 200		CORR. VAR. = 17.3		LOWER HGT. = 15.3			
		NOISE LEVEL = .0128		WIND SPEED = 30			
M	PAR.	UNIT*FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000		.0831	.0793	.0793	.1296	.0448
1	.006		.1020	.0983	.0983	.1445	.0540
2	.011		.1316	.1316	.1189	.1291	.0757
3	.017		.1188	.1188	.1061	.1055	.0675
4	.022		.0647	.0619	.0519	.0527	.0311
5	.028		.0237	.0237	.0109	.0109	.0201
6	.033		.0188	.0188	.0040	.0040	.0061
7	.039		.0368	.0368	.0240	.0319	.0588
8	.044		.0532	.0532	.0404	.0481	.0368
9	.050		.0631	.0631	.0504	.0559	.0356
10	.056		.0747	.0747	.0620	.0659	.0420
11	.061		.1440	.1440	.1361	.1413	.0800
12	.067		.1375	.1375	.1308	.1326	.0761
13	.072		.0889	.0889	.0862	.0888	.0594
14	.078		.0719	.0719	.0592	.0758	.0483
15	.083		1.0425	1.0425	1.0297	1.0827	1.0894
16	.088		1.1895	1.1895	1.1767	1.2512	2.1062
17	.094		1.3243	1.3243	1.3115	1.4471	2.0672
18	.100		1.2918	1.2918	1.2790	1.4561	2.4837
19	.106		1.1542	1.1542	1.1415	1.3475	2.4836
20	.111		1.0005	1.0005	.9877	1.2129	2.2356
21	.117		.8245	.8245	.8117	1.0004	1.9176
22	.122		.6755	.6755	.6628	.8897	1.6799
23	.128		.4750	.4750	.4622	.6520	1.2017
24	.133		.3405	.3405	.3277	.4873	.8982
25	.139		.3217	.3217	.3089	.4859	.8956
26	.144		.3092	.3092	.2970	.4455	.8135
27	.150		.2367	.2367	.2240	.3972	.7321
28	.156		.1740	.1740	.1621	.3067	.5633
29	.161		.1372	.1372	.1245	.2518	.4642
30	.167		.0901	.0901	.0773	.1678	.3093
31	.172		.0603	.0603	.0476	.1716	.3163
32	.178		.0916	.0916	.0788	.1994	.3656
33	.183		.0767	.0767	.0640	.1739	.3205
34	.189		.0616	.0616	.0488	.1840	.2656
35	.194		.0505	.0505	.0376	.1209	.2229
36	.200		.0484	.0484	.0357	.1175	.2166
37	.206		.0526	.0526	.0398	.1517	.2795
38	.211		.0481	.0481	.0353	.1472	.2714
39	.217		.0362	.0362	.0234	.1072	.1977
40	.222		.0286	.0286	.0158	.0768	.1473
41	.228		.0183	.0203	.0075	.0419	.0771
42	.233		.0127	.0158	.0031	.0189	.0348
43	.239		.0184	.0177	.0049	.0335	.0617
44	.244		.0219	.0199	.0071	.0542	.0998
45	.250		.0182	.0162	.0044	.0372	.0486
46	.256		.0136	.0144	.0017	.0157	.0289
47	.261		.0136	.0144	.0017	.0175	.0322
48	.267		.0122	.0130	.0002	.0025	.0047
49	.272		.0115	.0123	.0000	.0000	.0016
50	.278		.0135	.0128	.0001	.0012	.0022
51	.283		.0124	.0129	.0002	.0026	.0048
52	.289		.0131	.0135	.0003	.0137	.0682
53	.294		.0103	.0103	.0004	.0163	.0345
54	.300		.0155	.0155	.0008	.0113	.0454
55	.306		.0150	.0150	.0003	.0447	.1192
56	.311		.0152	.0146	.0008	.0597	.1100
57	.317		.0118	.0110	.0002	.0087	.0180
58	.322		.0115	.0112	.0000	.0000	.0000
59	.328		.0087	.0081	.0000	.0000	.0000
60	.333		.0082	.0074	.0000	.0000	.0000



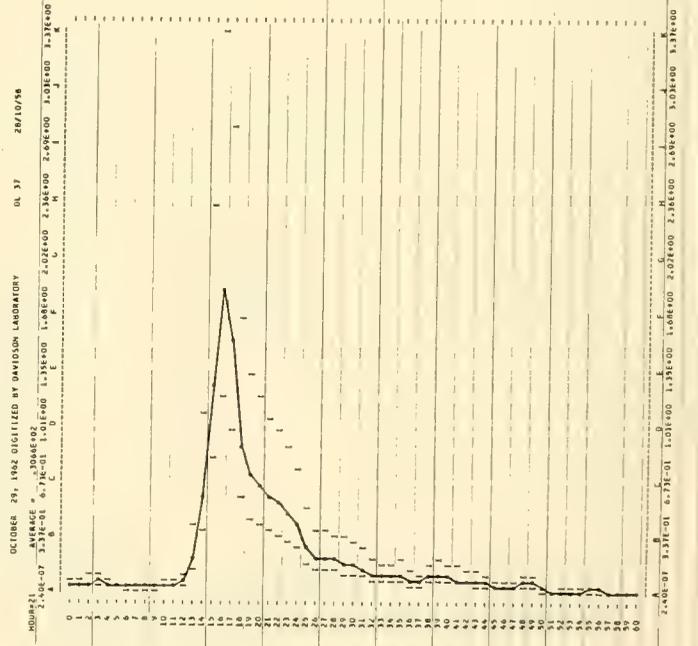
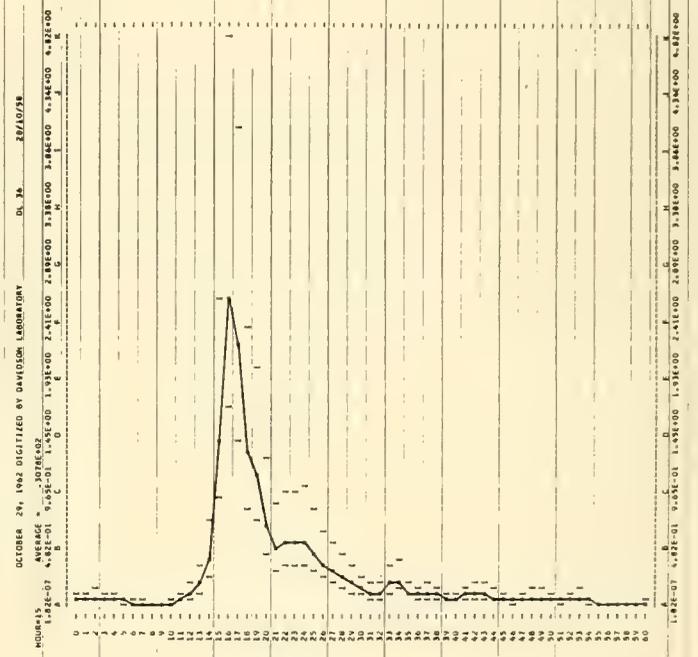


SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58		AV. T = 7.9		RECORD = DL 36			
HOUR = 13		SIG. HGT. = 14.0		UPPER HGT. = 11.7			
TOTAL OF -134		CORR. VAR. = 16.0		LOWER HGT. = 16.5			
		NOISE LEVEL = .0076		WIND SPEED = 35			
M	FREQ.	UNIT*F1.2	FILTERED	LESS NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0543	.0543	.0467	.0467	.0261	.0227
1	.004	.0637	.0637	.0581	.0581	.0171	.0370
2	.011	.0794	.0794	.0678	.0678	.1250	.0432
3	.017	.0869	.0869	.0642	.0642	.1149	.0390
4	.022	.0955	.0955	.0668	.0668	.0853	.0298
5	.028	.0921	.0921	.0285	.0285	.0432	.0154
6	.033	.0204	.0204	.0128	.0128	.0372	.0128
7	.039	.0221	.0221	.0045	.0045	.0192	.0384
8	.044	.0167	.0167	.0091	.0108	.0199	.0049
9	.050	.0140	.0140	.0064	.0071	.0131	.0045
10	.056	.0276	.0276	.0200	.0213	.0392	.0135
11	.061	.0301	.0301	.0515	.0534	.0985	.0340
12	.067	.1074	.1074	.1017	.1043	.1223	.0844
13	.072	.1074	.1074	.1798	.1854	.1399	.1174
14	.078	.3858	.3858	.3762	.3916	.7214	.2492
15	.083	1.3563	1.3563	1.3487	1.4180	2.6137	.9029
16	.089	2.4050	2.4050	2.4613	2.6173	4.8278	1.8654
17	.094	1.9066	1.9066	1.9220	2.1979	4.0511	1.3995
18	.100	1.1417	1.1417	1.1341	1.2910	2.3795	.8220
19	.106	.9422	.9422	.9346	1.1033	2.0355	.7025
20	.111	.5722	.5722	.5646	.6933	1.2776	.4415
21	.117	.3656	.3656	.3580	.4588	.8456	.2921
22	.122	.3003	.3003	.2927	.3626	.5137	.2448
23	.128	.3704	.3704	.3628	.4417	.6491	.3258
24	.133	.3328	.3328	.3652	.4640	1.0009	.3658
25	.139	.2943	.2943	.2867	.4510	.8113	.2872
26	.144	.2129	.2129	.2053	.2425	.6312	.2181
27	.150	.1712	.1712	.1636	.2001	.4747	.1847
28	.156	.1207	.1207	.1131	.1253	.4153	.1435
29	.161	.0820	.0820	.0850	.1114	.3484	.1044
30	.167	.0845	.0845	.0809	.1321	.2434	.0841
31	.172	.0301	.0301	.0245	.0291	.1827	.0631
32	.178	.0406	.0406	.0419	.0485	.1945	.0872
33	.183	.0763	.0763	.0687	.0867	.3440	.1189
34	.189	.0785	.0785	.0808	.0888	.2088	.1311
35	.194	.0637	.0637	.0361	.1155	.2129	.0736
36	.200	.0297	.0297	.0221	.0772	.1423	.0491
37	.206	.0319	.0319	.0262	.0262	.1702	.0588
38	.211	.0259	.0259	.0182	.0780	.1401	.0486
39	.217	.0285	.0285	.0209	.0409	.0753	.0240
40	.222	.0163	.0163	.0087	.0436	.0804	.0278
41	.228	.0232	.0232	.0142	.0767	.1451	.0501
42	.233	.0267	.0267	.0245	.0149	.1018	.0663
43	.239	.0215	.0215	.0139	.0950	.1750	.0605
44	.244	.0254	.0254	.0088	.0671	.1237	.0427
45	.250	.0137	.0136	.0040	.0504	.0629	.0321
46	.256	.0108	.0118	.0040	.0376	.0644	.0240
47	.261	.0112	.0112	.0040	.0421	.0776	.0268
48	.267	.0148	.0134	.0098	.0886	.1244	.0437
49	.272	.0128	.0117	.0051	.0681	.1294	.0433
50	.278	.0098	.0105	.0029	.0434	.0799	.0276
51	.283	.0092	.0098	.0040	.0341	.0644	.0217
52	.289	.0108	.0104	.0028	.0533	.0982	.0334
53	.294	.0120	.0109	.0032	.0712	.1312	.0453
54	.300	.0064	.0067	.0010	.0234	.0472	.0163
55	.306	.0050	.0050	.0000	.0000	.0000	.0000
56	.311	.0081	.0081	.0000	.0000	.0000	.0000
57	.317	.0054	.0054	.0000	.0000	.0000	.0000
58	.322	.0051	.0026	.0000	.0000	.0000	.0000
59	.328	.0049	.0049	.0000	.0000	.0000	.0000
60	.333	.0091	.0080	.0004	.0223	.0411	.0142

SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

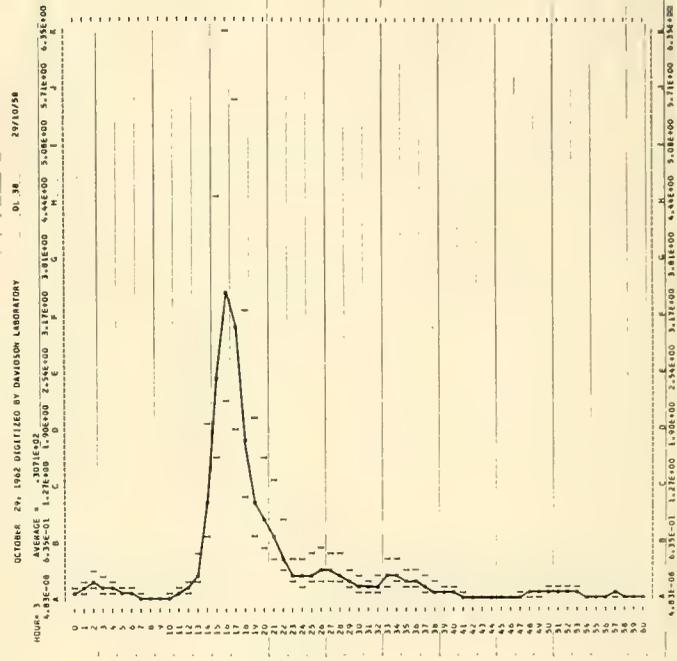
DATE = 28/10/58		AV. T = 7.9		RECORD = DL 37			
HOUR = 21		SIG. HGT. = 14.3		UPPER HGT. = 15.7			
TOTAL OF -154		CORR. VAR. = 12.5		LOWER HGT. = 13.1			
		NOISE LEVEL = .0050		WIND SPEED = 30			
M	FREQ.	UNIT*F1.2	FILTERED	LESS NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0374	.0374	.0324	.0324	.0597	.0206
1	.006	.0441	.0441	.0391	.0391	.0720	.0249
2	.011	.0551	.0551	.0501	.0501	.0524	.0319
3	.017	.0572	.0572	.0422	.0422	.0962	.0332
4	.022	.0680	.0680	.0440	.0440	.0782	.0274
5	.028	.0323	.0323	.0273	.0273	.0504	.0174
6	.033	.0189	.0189	.0139	.0218	.0402	.0139
7	.039	.0181	.0181	.0131	.0174	.0321	.0111
8	.044	.0219	.0219	.0169	.0201	.0370	.0128
9	.050	.0252	.0252	.0202	.0224	.0414	.0143
10	.056	.0347	.0347	.0287	.0316	.0582	.0201
11	.061	.0439	.0439	.0389	.0403	.0743	.0257
12	.067	.0571	.0571	.0521	.0534	.0984	.0340
13	.072	.2119	.2119	.2049	.2123	.3913	.1352
14	.078	.3625	.3625	.3570	.3770	1.0435	.2674
15	.083	1.2016	1.2016	1.1966	1.2581	2.3189	.8011
16	.089	1.7223	1.7223	1.7173	1.8250	3.3855	1.1827
17	.094	1.3761	1.3761	1.3711	1.5129	2.7884	.8631
18	.100	.7850	.7850	.7800	.8879	1.6366	.5654
19	.106	.6083	.6083	.6033	.7122	1.3126	.4535
20	.111	.5255	.5255	.5205	.6392	1.1982	.4070
21	.117	.4449	.4449	.4399	.5638	1.0392	.3590
22	.122	.3999	.3999	.3949	.5301	.9770	.3375
23	.128	.3405	.3405	.3355	.4732	.8722	.3013
24	.133	.2734	.2734	.2684	.3892	.7398	.2582
25	.139	.1830	.1830	.1780	.2800	.5160	.1783
26	.144	.1255	.1255	.1205	.2010	.3705	.1280
27	.150	.1189	.1189	.1139	.2070	.3724	.1286
28	.156	.1061	.1061	.1011	.1913	.3226	.1218
29	.161	.0912	.0912	.0862	.1743	.2812	.1110
30	.167	.0830	.0830	.0780	.1693	.2821	.1078
31	.172	.0662	.0662	.0612	.1427	.2429	.0908
32	.178	.0466	.0466	.0416	.1047	.1930	.0667
33	.183	.0371	.0371	.0321	.0871	.1600	.0554
34	.189	.0359	.0359	.0309	.0811	.1479	.0580
35	.194	.0376	.0376	.0326	.1044	.1724	.0665
36	.200	.0270	.0270	.0220	.0786	.1411	.0488
37	.206	.0187	.0187	.0137	.0521	.0961	.0332
38	.211	.0254	.0254	.0204	.0851	.1568	.0542
39	.217	.0296	.0296	.0246	.1125	.2073	.0716
40	.222	.0232	.0232	.0182	.0916	.1688	.0593
41	.228	.0193	.0193	.0143	.0650	.1236	.0511
42	.233	.0190	.0181	.0131	.0806	.1485	.0513
43	.239	.0145	.0145	.0095	.0610	.0881	.0433
44	.244	.0113	.0113	.0063	.0517	.0952	.0329
45	.250	.0102	.0102	.0052	.0432	.0796	.0275
46	.256	.0070	.0068	.0018	.0355	.0655	.0226
47	.261	.0091	.0081	.0041	.0430	.0792	.0274
48	.267	.0113	.0102	.0052	.0619	.1140	.0394
49	.272	.0093	.0093	.0043	.0549	.1011	.0345
50	.278	.0068	.0065	.0015	.0279	.0673	.0216
51	.283	.0050	.0053	.0003	.0055	.0100	.0035
52	.289	.0060	.0056	.0006	.0022	.0225	.0078
53	.294	.0055	.0056	.0006	.0134	.0248	.0086
54	.300	.0051	.0055	.0005	.0019	.0179	.0062
55	.306	.0063	.0059	.0009	.0044	.0140	.0055
56	.311	.0049	.0057	.0007	.0218	.0402	.0139
57	.317	.0044	.0047	.0000	.0000	.0000	.0000
58	.322	.0050	.0051	.0000	.0000	.0000	.0000
59	.328	.0039	.0039	.0000	.0000	.0000	.0000
60	.333	.0039	.0039	.0000	.0000	.0000	.0000





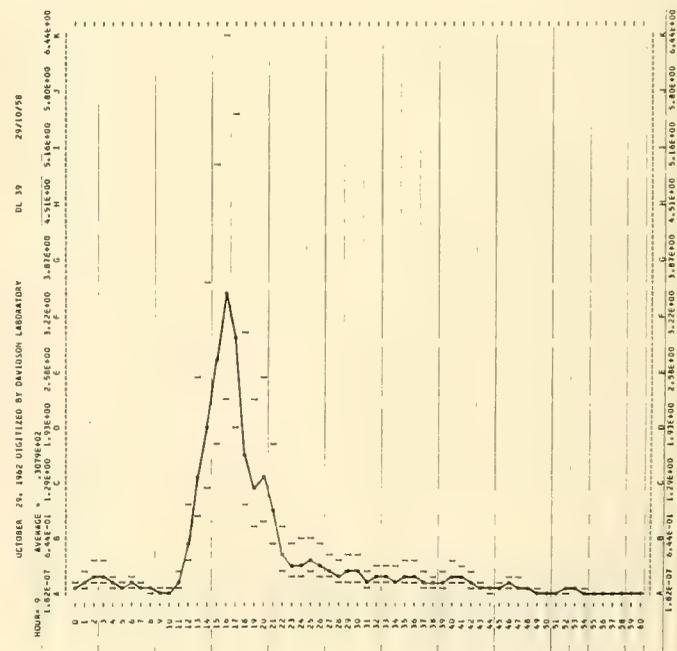
SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58		AV. T <sub>m</sub> = 8.6		RECORD = DL 39			
TOTAL DF = 142		SIG. HGT. = 9		UPPER HGT. = 21.9			
		CORR. VAR. = .0095		LOWER HGT. = 16.0			
		NOISE LEVEL = .0119		WIND SPEED = 30			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0731	.0731	.0612	.0612	.1128	.0390
1	.006	.1247	.1247	.1128	.1128	.2079	.0718
2	.011	.1796	.1796	.1675	.1675	.3087	.1066
3	.017	.2408	.2408	.2280	.2280	.4243	.0948
4	.022	.3181	.3181	.3050	.3050	.5555	.0750
5	.028	.4024	.4024	.3890	.3890	.7020	.0526
6	.033	.4937	.4937	.4800	.4800	.8640	.0348
7	.039	.5920	.5920	.5780	.5780	.1050	.0112
8	.044	.6983	.6983	.6840	.6840	.1250	.0055
9	.050	.8126	.8126	.8000	.8000	.1450	.0040
10	.056	.9349	.9349	.9230	.9230	.1650	.0030
11	.061	1.0652	1.0652	1.0540	1.0540	.1850	.0025
12	.067	1.2035	1.2035	1.1930	1.1930	.2050	.0020
13	.072	1.3498	1.3498	1.3400	1.3400	.2250	.0018
14	.078	1.5041	1.5041	1.4950	1.4950	.2450	.0016
15	.083	1.6664	1.6664	1.6580	1.6580	.2650	.0015
16	.089	1.8367	1.8367	1.8290	1.8290	.2850	.0014
17	.094	2.0150	2.0150	2.0080	2.0080	.3050	.0013
18	.100	2.2013	2.2013	2.1950	2.1950	.3250	.0012
19	.106	2.3956	2.3956	2.3900	2.3900	.3450	.0011
20	.111	2.5979	2.5979	2.5930	2.5930	.3650	.0010
21	.117	2.8082	2.8082	2.8040	2.8040	.3850	.0010
22	.122	3.0265	3.0265	3.0230	3.0230	.4050	.0009
23	.128	3.2528	3.2528	3.2500	3.2500	.4250	.0009
24	.133	3.4871	3.4871	3.4850	3.4850	.4450	.0008
25	.139	3.7294	3.7294	3.7280	3.7280	.4650	.0008
26	.144	3.9797	3.9797	3.9790	3.9790	.4850	.0007
27	.150	4.2380	4.2380	4.2380	4.2380	.5050	.0007
28	.156	4.5043	4.5043	4.5043	4.5043	.5250	.0006
29	.161	4.7786	4.7786	4.7786	4.7786	.5450	.0006
30	.167	5.0609	5.0609	5.0609	5.0609	.5650	.0005
31	.172	5.3512	5.3512	5.3512	5.3512	.5850	.0005
32	.178	5.6495	5.6495	5.6495	5.6495	.6050	.0004
33	.183	5.9558	5.9558	5.9558	5.9558	.6250	.0004
34	.189	6.2701	6.2701	6.2701	6.2701	.6450	.0003
35	.194	6.5924	6.5924	6.5924	6.5924	.6650	.0003
36	.200	6.9237	6.9237	6.9237	6.9237	.6850	.0003
37	.206	7.2640	7.2640	7.2640	7.2640	.7050	.0002
38	.211	7.6133	7.6133	7.6133	7.6133	.7250	.0002
39	.217	7.9716	7.9716	7.9716	7.9716	.7450	.0002
40	.222	8.3389	8.3389	8.3389	8.3389	.7650	.0002
41	.228	8.7152	8.7152	8.7152	8.7152	.7850	.0001
42	.233	9.1005	9.1005	9.1005	9.1005	.8050	.0001
43	.239	9.4948	9.4948	9.4948	9.4948	.8250	.0001
44	.244	9.8981	9.8981	9.8981	9.8981	.8450	.0001
45	.250	10.3104	10.3104	10.3104	10.3104	.8650	.0001
46	.256	10.7317	10.7317	10.7317	10.7317	.8850	.0001
47	.261	11.1620	11.1620	11.1620	11.1620	.9050	.0001
48	.267	11.6013	11.6013	11.6013	11.6013	.9250	.0001
49	.272	12.0496	12.0496	12.0496	12.0496	.9450	.0001
50	.278	12.5069	12.5069	12.5069	12.5069	.9650	.0001
51	.283	12.9732	12.9732	12.9732	12.9732	.9850	.0001
52	.289	13.4485	13.4485	13.4485	13.4485	1.0050	.0001
53	.294	13.9328	13.9328	13.9328	13.9328	1.0250	.0001
54	.300	14.4261	14.4261	14.4261	14.4261	1.0450	.0001
55	.306	14.9284	14.9284	14.9284	14.9284	1.0650	.0001
56	.311	15.4397	15.4397	15.4397	15.4397	1.0850	.0001
57	.317	15.9500	15.9500	15.9500	15.9500	1.1050	.0001
58	.322	16.4603	16.4603	16.4603	16.4603	1.1250	.0001
59	.328	16.9706	16.9706	16.9706	16.9706	1.1450	.0001
60	.333	17.4809	17.4809	17.4809	17.4809	1.1650	.0001



SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58		AV. T <sub>m</sub> = 8.6		RECORD = DL 39			
TOTAL DF = 142		SIG. HGT. = 9		UPPER HGT. = 21.9			
		CORR. VAR. = .0095		LOWER HGT. = 16.0			
		NOISE LEVEL = .0095		WIND SPEED = 30			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0750	.0750	.0685	.0685	.1263	.0436
1	.006	.1322	.1322	.1267	.1267	.2334	.0807
2	.011	.1908	.1908	.1834	.1834	.3433	.1350
3	.017	.2508	.2508	.2407	.2407	.4540	.0926
4	.022	.3121	.3121	.3000	.3000	.5660	.0570
5	.028	.3748	.3748	.3600	.3600	.6800	.0348
6	.033	.4389	.4389	.4220	.4220	.7960	.0192
7	.039	.5044	.5044	.4860	.4860	.9140	.0096
8	.044	.5713	.5713	.5520	.5520	.1030	.0040
9	.050	.6396	.6396	.6190	.6190	.1220	.0030
10	.056	.7093	.7093	.6880	.6880	.1410	.0025
11	.061	.7804	.7804	.7580	.7580	.1600	.0020
12	.067	.8529	.8529	.8290	.8290	.1790	.0018
13	.072	.9268	.9268	.9020	.9020	.1980	.0016
14	.078	1.0021	1.0021	.9760	.9760	.2170	.0015
15	.083	1.0788	1.0788	.1050	.1050	.2360	.0014
16	.089	1.1569	1.1569	.1140	.1140	.2550	.0013
17	.094	1.2364	1.2364	.1230	.1230	.2740	.0012
18	.100	1.3173	1.3173	.1320	.1320	.2930	.0011
19	.106	1.4006	1.4006	.1410	.1410	.3120	.0010
20	.111	1.4853	1.4853	.1500	.1500	.3310	.0010
21	.117	1.5714	1.5714	.1590	.1590	.3500	.0009
22	.122	1.6589	1.6589	.1680	.1680	.3690	.0009
23	.128	1.7478	1.7478	.1770	.1770	.3880	.0008
24	.133	1.8381	1.8381	.1860	.1860	.4070	.0008
25	.139	1.9298	1.9298	.1950	.1950	.4260	.0007
26	.144	2.0229	2.0229	.2040	.2040	.4450	.0007
27	.150	2.1174	2.1174	.2130	.2130	.4640	.0006
28	.156	2.2133	2.2133	.2220	.2220	.4830	.0006
29	.161	2.3106	2.3106	.2310	.2310	.5020	.0005
30	.167	2.4093	2.4093	.2400	.2400	.5210	.0005
31	.172	2.5094	2.5094	.2490	.2490	.5400	.0004
32	.178	2.6109	2.6109	.2580	.2580	.5590	.0004
33	.183	2.7138	2.7138	.2670	.2670	.5780	.0003
34	.189	2.8181	2.8181	.2760	.2760	.5970	.0003
35	.194	2.9238	2.9238	.2850	.2850	.6160	.0002
36	.200	3.0309	3.0309	.2940	.2940	.6350	.0002
37	.206	3.1394	3.1394	.3030	.3030	.6540	.0002
38	.211	3.2493	3.2493	.3120	.3120	.6730	.0001
39	.217	3.3606	3.3606	.3210	.3210	.6920	.0001
40	.222	3.4733	3.4733	.3300	.3300	.7110	.0001
41	.228	3.5874	3.5874	.3390	.3390	.7300	.0001
42	.233	3.7029	3.7029	.3480	.3480	.7490	.0001
43	.239	3.8198	3.8198	.3570	.3570	.7680	.0001
44	.244	3.9381	3.9381	.3660	.3660	.7870	.0001
45	.250	4.0578	4.0578	.3750	.3750	.8060	.0001
46	.256	4.1789	4.1789	.3840	.3840	.8250	.0001
47	.261	4.3014	4.3014	.3930	.3930	.8440	.0001
48	.267	4.4253	4.4253	.4020	.4020	.8630	.0001
49	.272	4.5506	4.5506	.4110	.4110	.8820	.0001
50	.278	4.6773	4.6773	.4200	.4200	.9010	.0001
51	.283	4.8054	4.8054	.4290	.4290	.9200	.0001
52	.289	4.9349	4.9349	.4380	.4380	.9390	.0001
53	.294	5.0658	5.0658	.4470	.4470	.9580	.0001
54	.300	5.1981	5.1981	.4560	.4560	.9770	.0001
55	.306	5.3318	5.3318	.4650	.4650	.9960	.0001
56	.311	5.4669	5.4669	.4740	.4740	1.0150	.0001
57	.317	5.6034	5.6034	.4830	.4830	1.0340	.0001
58	.322	5.7413	5.7413	.4920	.4920	1.0530	.0001
59	.328	5.8806	5.8806	.5010	.5010	1.0720	.0001
60	.333	6.0213	6.0213	.5100	.5100	1.0910	.0001

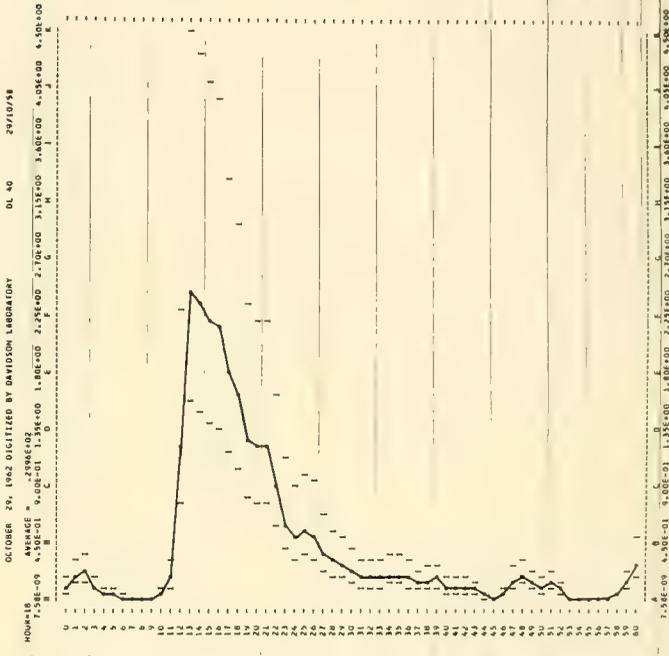




SPECTRA HINOCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58 AV. F# = 7.9 RECORD = DL 40  
 HOUR = 18 SIG. MGT. = 20.3 UPPER MGT. = 22.1  
 TOTAL DF = 184 CORR. VAR. = 25.7 LOWER MGT. = 18.6  
 NOISE LEVEL = .0171 WIND SPEED = 30

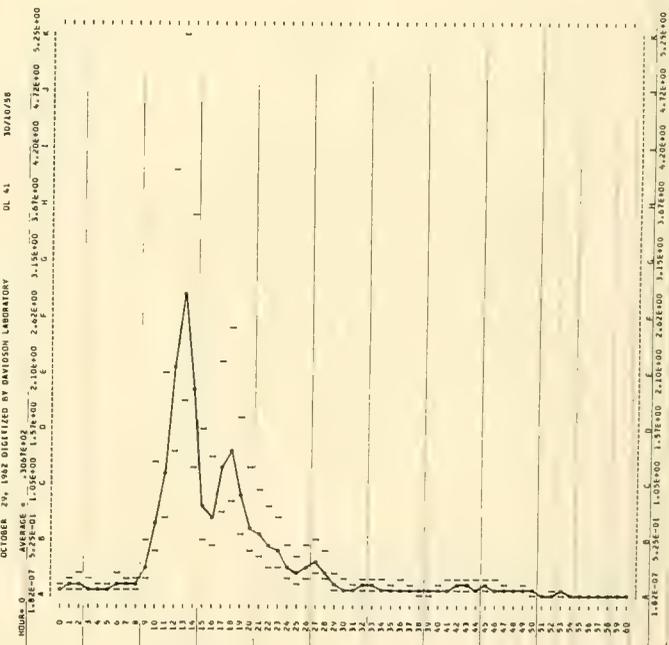
H	F#	UNIT-F#-2	FILTERED	LESS NOISE	CORR.F#-2	UPPER	LOWER
0	.000	-1191	-1191	-1020	-1020	-1081	-0950
1	.006	-1941	-1941	-1770	-1770	-1821	-1127
2	.011	-2230	-2230	-2059	-2059	-2109	-1311
3	.017	-1249	-1249	-1078	-1078	-1128	-0687
4	.022	-0769	-0769	-0599	-0599	-1103	-0381
5	.028	-0610	-0610	-0439	-0439	-0809	-0280
6	.033	-0268	-0268	-0088	-0088	-0285	-0099
7	.039	-0122	-0122	-0000	-0000	-0000	-0000
8	.044	-0153	-0153	-0000	-0000	-0000	-0000
9	.050	-0273	-0273	-0102	-0102	-0208	-0072
10	.056	-0525	-0525	-0394	-0377	-0804	-0260
11	.061	-1836	-1836	-1605	-1527	-1884	-1160
12	.067	1.2229	1.2229	1.2058	1.2368	2.2794	.7875
13	.072	2.3969	2.3969	2.3798	2.4117	4.3004	1.5547
14	.078	2.2742	2.2742	2.2571	2.2361	4.3057	1.4075
15	.083	2.1249	2.1249	2.1078	2.1861	4.0847	1.4111
16	.089	2.0400	2.0400	2.0229	2.1509	3.9445	1.3046
17	.094	1.6786	1.6786	1.6415	1.8112	3.3384	1.1533
18	.100	1.4380	1.4380	1.4209	1.6175	2.9813	1.0299
19	.106	1.0993	1.0993	1.0822	1.2775	2.3547	.8135
20	.111	1.0003	1.0003	.9832	1.2073	2.2253	.7888
21	.117	.9514	.9514	.9343	1.1975	2.2072	.7625
22	.122	-0763	-0763	-0592	-0859	1.9310	-0635
23	.128	-4871	-4871	-4300	-4202	-4174	-3442
24	.133	-3453	-3453	-3282	-4401	-4697	-3108
25	.139	-3500	-3500	-3329	-3318	-4913	-3425
26	.144	-3242	-3242	-3071	-3124	-4445	-3263
27	.150	-2700	-2700	-2429	-3376	-4659	-2404
28	.156	-1737	-1737	-1567	-1567	-2643	-1887
29	.161	-1403	-1403	-1292	-2014	-4819	-1405
30	.167	-1140	-1140	-1029	-1101	-4075	-1088
31	.172	-0917	-0917	-0746	-1740	-3208	-1108
32	.178	-0804	-0804	-0633	-1594	-2938	-1015
33	.183	-0808	-0808	-0637	-1732	-2192	-1103
34	.189	-0815	-0815	-0644	-1899	-1950	-1209
35	.194	-0788	-0788	-0697	-1912	-1925	-1218
36	.200	-0633	-0633	-0462	-1613	-2972	-1027
37	.206	-0687	-0687	-0316	-1203	-2717	-0764
38	.211	-0500	-0500	-0320	-1372	-4529	-0874
39	.217	-0515	-0515	-0364	-1578	-2908	-1005
40	.222	-0380	-0380	-0202	-1052	-1932	-0710
41	.228	-0318	-0318	-0160	-0925	-1704	-0589
42	.233	-0354	-0354	-0161	-0993	-1850	-0632
43	.239	-0301	-0301	-0122	-0814	-1534	-0511
44	.244	-0185	-0182	-0041	-0314	-0578	-0200
45	.250	-0174	-0174	-0001	-0011	-0313	-0039
46	.256	-0217	-0212	-0051	-0485	-0894	-0309
47	.261	-0337	-0303	-0157	-1400	-2580	-0811
48	.267	-0245	-0245	-0123	-1108	-3312	-1131
49	.272	-0242	-0267	-0096	-1282	-2763	-0816
50	.278	-0224	-0231	-0062	-1940	-1752	-0712
51	.283	-0259	-0239	-0048	-1161	-2140	-0739
52	.289	-0218	-0218	-0042	-0815	-1892	-0619
53	.294	-0153	-0161	-0000	-0000	-0000	-0000
54	.300	-0121	-0124	-0000	-0000	-0000	-0000
55	.306	-0107	-0107	-0000	-0000	-0000	-0000
56	.311	-0111	-0117	-0000	-0000	-0000	-0000
57	.317	-0102	-0108	-0000	-0000	-0000	-0000
58	.322	-0175	-0179	-0008	-0366	-0625	-0233
59	.328	-0199	-0198	-0027	-1333	-2657	-0849
60	.333	-0236	-0237	-0047	-2096	-4992	-1716



SPECTRA HINOCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 30/10/58 AV. F# = 9.4 RECORD = DL 41  
 HOUR = 0 SIG. MGT. = 17.7 UPPER MGT. = 19.5  
 TOTAL DF = 152 CORR. VAR. = 19.6 LOWER MGT. = 16.1  
 NOISE LEVEL = .0056 WIND SPEED = 25

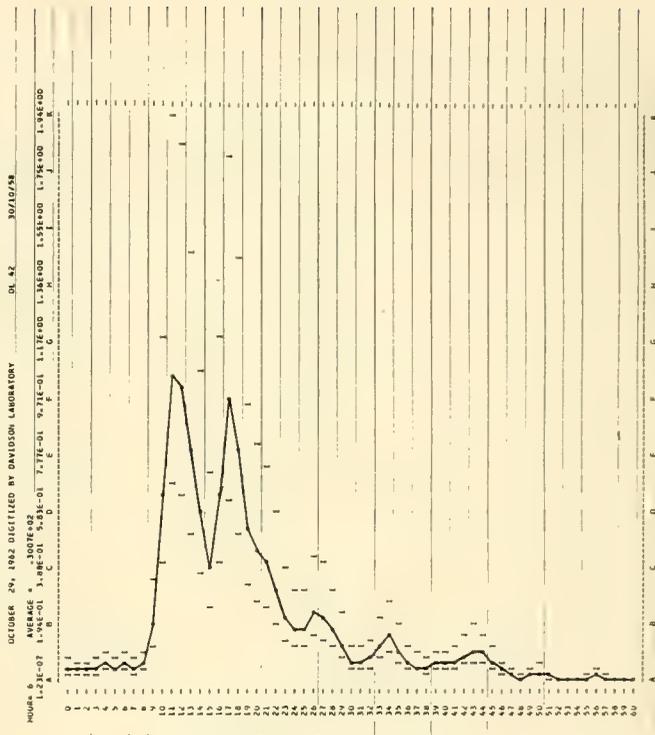
H	F#	UNIT-F#-2	FILTERED	LESS NOISE	CORR.F#-2	UPPER	LOWER
0	.000	-0534	-0534	-0478	-0478	-0882	-0305
1	.006	-0883	-0883	-0827	-0827	-1524	-0524
2	.011	-1162	-1162	-1106	-1106	-2038	-0704
3	.017	-0831	-0831	-0775	-0775	-1429	-0494
4	.022	-0555	-0555	-0499	-0499	-0920	-0318
5	.028	-0284	-0284	-0228	-0228	-0946	-0379
6	.033	-0694	-0651	-0595	-0595	-1651	-0640
7	.039	-0667	-0667	-0610	-0611	-1494	-0516
8	.044	-0860	-0860	-0804	-0807	-1764	-0649
9	.050	-2595	-2595	-2538	-2617	-5193	-1794
10	.056	-4829	-4829	-4772	-4774	-12486	-4333
11	.061	-11105	-11105	-11109	-11204	-21243	-7339
12	.067	2.1255	2.1255	2.1194	2.1744	4.0077	1.3845
13	.072	2.7927	2.7927	2.7860	2.8462	5.2459	1.8123
14	.078	1.8625	1.8625	1.8569	1.9219	3.5424	1.2238
15	.083	4.8113	4.8113	4.8057	4.8471	11.5614	4.3994
16	.089	4.6824	4.6824	4.6768	4.7197	11.3264	4.5822
17	.094	1.0889	1.0890	1.0842	1.1394	2.0591	1.0181
18	.100	1.2105	1.2105	1.2049	1.2716	2.5281	1.2534
19	.106	7.869	7.869	7.813	8.223	17.000	5.873
20	.111	4.274	4.274	4.218	4.4077	11.810	4.060
21	.117	4.372	4.372	4.316	4.532	11.096	3.522
22	.122	3.924	3.924	3.868	4.021	10.330	3.270
23	.128	2.864	2.864	2.808	2.961	7.500	2.522
24	.133	-1872	-1872	-1816	-1870	-4978	-1740
25	.139	-1288	-1288	-1232	-1387	-3571	-1234
26	.144	-1501	-1501	-1505	-2511	-4627	-1599
27	.150	-1719	-1719	-1683	-2446	-4436	-1878
28	.156	-1188	-1188	-1131	-2140	-3945	-1363
29	.161	-0627	-0627	-0571	-1156	-2130	-0736
30	.167	-0612	-0612	-0564	-0773	-1425	-0482
31	.172	-0340	-0340	-0283	-0661	-1218	-0421
32	.178	-0374	-0374	-0318	-0789	-1073	-0509
33	.183	-0393	-0393	-0337	-0917	-1089	-0584
34	.189	-0310	-0310	-0254	-0746	-1380	-0677
35	.194	-0241	-0241	-0185	-0582	-1082	-0577
36	.200	-0264	-0264	-0208	-0727	-1339	-0463
37	.206	-0227	-0227	-0171	-0482	-1202	-0445
38	.211	-0143	-0143	-0087	-0362	-0867	-0231
39	.217	-0129	-0129	-0073	-0333	-0813	-0212
40	.222	-0163	-0163	-0107	-0538	-0991	-0342
41	.228	-0193	-0184	-0128	-0712	-1313	-0454
42	.233	-0192	-0182	-0132	-0809	-1492	-0515
43	.239	-0172	-0173	-0117	-0789	-1473	-0509
44	.244	-0156	-0156	-0101	-0749	-1418	-0490
45	.250	-0153	-0149	-0093	-0787	-1451	-0501
46	.256	-0134	-0134	-0080	-0757	-1398	-0482
47	.261	-0098	-0108	-0080	-0544	-1093	-0346
48	.267	-0088	-0092	-0036	-0425	-0783	-0270
49	.272	-0103	-0103	-0037	-0466	-0914	-0316
50	.278	-0076	-0079	-0023	-0351	-0646	-0223
51	.283	-0053	-0053	-0006	-0166	-0261	-0140
52	.289	-0072	-0067	-0011	-0219	-0403	-0139
53	.294	-0079	-0072	-0014	-0355	-0655	-0226
54	.300	-0054	-0054	-0004	-0083	-0171	-0079
55	.306	-0052	-0053	-0000	-0000	-0000	-0000
56	.311	-0063	-0067	-0001	-0017	-0000	-0000
57	.317	-0046	-0050	-0000	-0000	-0000	-0000
58	.322	-0038	-0042	-0000	-0000	-0000	-0000
59	.328	-0049	-0047	-0000	-0000	-0000	-0000
60	.333	-0052	-0051	-0000	-0000	-0000	-0000





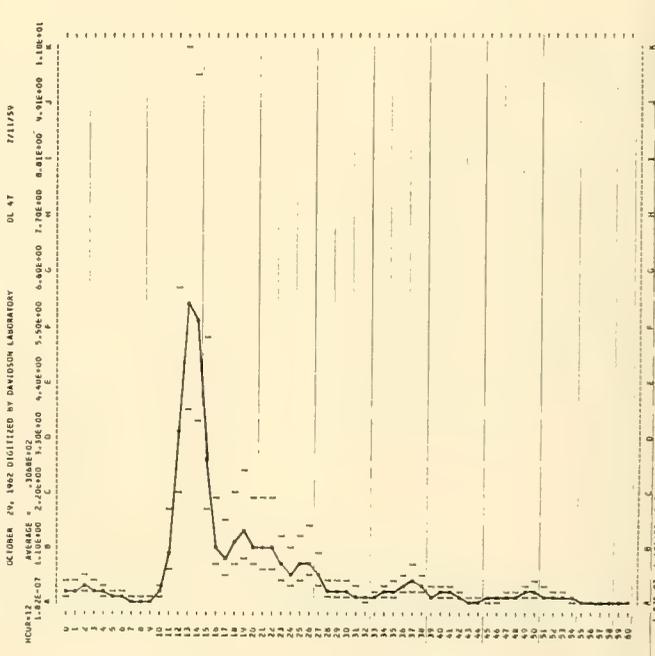
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 30/10/59		AV. I = 8.7		RECORD = DL 42			
HOUR = 4		SIG. HGT. = 13.7		UPPER HGT. = 14.9			
TOTAL DF = 205		CORR. VAR. = 11.8		LOWER HGT. = 12.7			
		NOISE LEVEL = .000		WIND SPEED = 15			
N	FREQ.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0437	.0437	.0391	.0391	.0721	.0249
1	.004	.0403	.0403	.0356	.0356	.0656	.0227
2	.011	.0358	.0358	.0313	.0313	.0576	.0199
3	.017	.0313	.0313	.0268	.0268	.0497	.0160
4	.022	.0277	.0277	.0231	.0231	.0419	.0123
5	.028	.0241	.0241	.0195	.0195	.0340	.0086
6	.033	.0205	.0205	.0160	.0160	.0261	.0049
7	.039	.0170	.0170	.0124	.0124	.0182	.0012
8	.044	.0134	.0134	.0088	.0088	.0103	-.0025
9	.050	.0100	.0100	.0052	.0052	.0024	-.0062
10	.056	.0065	.0065	.0016	.0016	-.0057	-.0100
11	.061	1.0204	1.0204	1.0159	1.0159	1.9425	-.8711
12	.067	.9851	.9851	.9806	1.0058	1.8538	-.8406
13	.072	.9500	.9500	.9455	1.9600	1.8672	-.8099
14	.078	.9149	.9149	.9104	.9356	1.9807	-.7792
15	.083	.8798	.8798	.8753	.9008	1.9942	-.7485
16	.088	.8447	.8447	.8402	.8654	1.8055	-.7178
17	.094	.8096	.8096	.8051	.8206	1.8052	-.6871
18	.100	.7745	.7745	.7700	.7850	1.8052	-.6564
19	.106	.7394	.7394	.7349	.7500	1.8052	-.6257
20	.111	.7043	.7043	.7000	.7150	1.8052	-.5950
21	.117	.6692	.6692	.6649	.6799	1.8052	-.5643
22	.122	.6341	.6341	.6298	.6449	1.8052	-.5336
23	.128	.5990	.5990	.5947	.6099	1.8052	-.5029
24	.133	.5639	.5639	.5596	.5749	1.8052	-.4722
25	.139	.5288	.5288	.5245	.5399	1.8052	-.4415
26	.144	.4937	.4937	.4894	.5049	1.8052	-.4108
27	.150	.4586	.4586	.4543	.4699	1.8052	-.3801
28	.156	.4235	.4235	.4192	.4349	1.8052	-.3494
29	.161	.3884	.3884	.3841	.3999	1.8052	-.3187
30	.167	.3533	.3533	.3490	.3649	1.8052	-.2880
31	.172	.3182	.3182	.3139	.3299	1.8052	-.2573
32	.178	.2831	.2831	.2788	.2949	1.8052	-.2266
33	.183	.2480	.2480	.2437	.2599	1.8052	-.1959
34	.188	.2129	.2129	.2086	.2249	1.8052	-.1652
35	.194	.1778	.1778	.1735	.1899	1.8052	-.1345
36	.200	.1427	.1427	.1384	.1549	1.8052	-.1038
37	.206	.1076	.1076	.1033	.1199	1.8052	-.0731
38	.211	.0725	.0725	.0682	.0849	1.8052	-.0424
39	.217	.0374	.0374	.0331	.0499	1.8052	-.0117
40	.222	.0023	.0023	-.0020	.0149	1.8052	-.0180
41	.228	-.0328	-.0328	-.0385	-.0509	1.8052	-.0243
42	.233	-.0677	-.0677	-.0734	-.0859	1.8052	-.0306
43	.239	-.1026	-.1026	-.1083	-.1209	1.8052	-.0369
44	.244	-.1375	-.1375	-.1432	-.1559	1.8052	-.0432
45	.250	-.1724	-.1724	-.1781	-.1909	1.8052	-.0495
46	.256	-.2073	-.2073	-.2130	-.2259	1.8052	-.0558
47	.261	-.2422	-.2422	-.2479	-.2609	1.8052	-.0621
48	.267	-.2771	-.2771	-.2828	-.2959	1.8052	-.0684
49	.272	-.3120	-.3120	-.3177	-.3309	1.8052	-.0747
50	.278	-.3469	-.3469	-.3526	-.3659	1.8052	-.0810
51	.283	-.3818	-.3818	-.3875	-.4009	1.8052	-.0873
52	.289	-.4167	-.4167	-.4224	-.4359	1.8052	-.0936
53	.294	-.4516	-.4516	-.4573	-.4709	1.8052	-.1000
54	.300	-.4865	-.4865	-.4922	-.5059	1.8052	-.1063
55	.306	-.5214	-.5214	-.5271	-.5409	1.8052	-.1126
56	.311	-.5563	-.5563	-.5620	-.5759	1.8052	-.1189
57	.317	-.5912	-.5912	-.5969	-.6109	1.8052	-.1252
58	.322	-.6261	-.6261	-.6318	-.6459	1.8052	-.1315
59	.328	-.6610	-.6610	-.6667	-.6809	1.8052	-.1378
60	.333	-.6959	-.6959	-.7016	-.7159	1.8052	-.1441



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

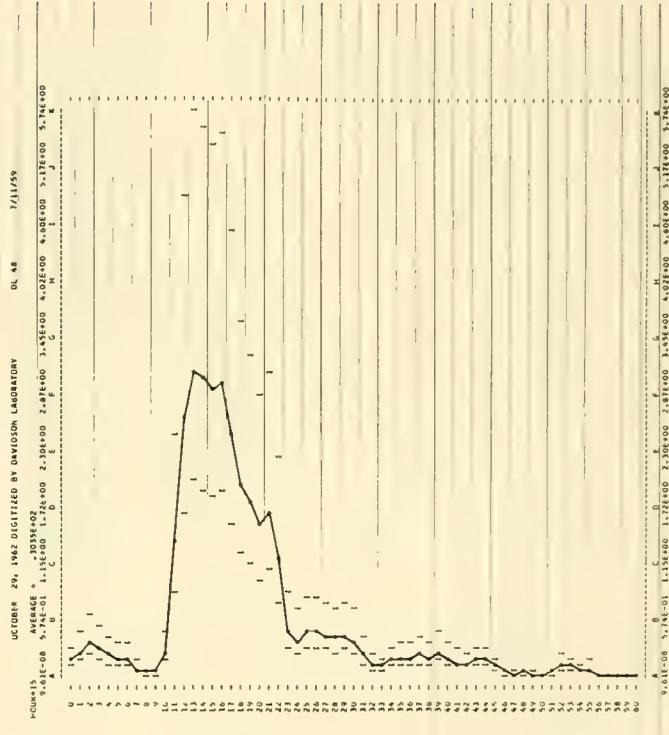
DATE = 7/11/59		AV. I = 8.7		RECORD = DL 47			
HOUR = 12		SIG. HGT. = 26.2		UPPER HGT. = 26.7			
TOTAL DF = 131		CORR. VAR. = 36.6		LOWER HGT. = 21.9			
		NOISE LEVEL = .0104		WIND SPEED = 40			
N	FREQ.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2266	.2266	.2102	.2102	.3874	-.1338
1	.006	.2295	.2295	.2132	.2132	.4050	-.1676
2	.011	.2275	.2275	.2111	.2111	.3734	-.1861
3	.017	.2220	.2220	.2056	.2056	.4070	-.1691
4	.022	.2000	.2000	.1845	.1845	.3461	-.1175
5	.028	.1791	.1791	.1637	.1637	.2225	-.0769
6	.033	.0893	.0893	.0669	.0669	.1942	-.0671
7	.039	.0462	.0462	.0298	.0298	.0730	-.0252
8	.044	.0447	.0447	.0283	.0283	.0620	-.0214
9	.050	.0416	.0416	.0252	.0252	.0502	-.0189
10	.056	.0331	.0331	.0167	.0167	.0266	-.0128
11	.061	.0952	.0952	.0788	1.0155	1.3718	-.0468
12	.067	3.3149	3.3149	3.2855	3.3832	6.2358	2.1527
13	.072	5.8307	5.8307	5.8203	5.9716	11.0005	3.8024
14	.078	5.4700	5.4700	5.4562	5.6451	10.4008	3.5965
15	.083	2.7662	2.7662	2.7498	2.8911	5.3287	1.8409
16	.088	1.0860	1.0860	1.0846	1.1373	2.0961	-.7241
17	.094	.8596	.8596	.8382	.9248	1.7046	-.5899
18	.100	1.0813	1.0813	1.0649	1.2123	2.2344	-.7719
19	.106	1.0276	1.0276	1.0182	1.0603	2.5920	-.8904
20	.111	.9344	.9344	.9180	1.1273	2.0777	-.7178
21	.117	.8895	.8895	.8731	1.1180	2.0825	-.7165
22	.122	.8431	.8431	.8267	1.1097	2.0434	-.7066
23	.128	.7248	.7248	.7084	.7371	1.3218	-.5366
24	.133	.6069	.6069	.5905	.6237	1.0758	-.3317
25	.139	.4751	.4751	.4587	.4721	1.3301	-.4595
26	.144	.3074	.3074	.2910	.3102	1.5100	-.5216
27	.150	.3273	.3273	.3109	.3514	1.0163	-.3511
28	.156	.1393	.1393	.1229	.1329	.4284	-.1440
29	.161	.1230	.1230	.1066	.1157	.3975	-.1373
30	.167	.1262	.1262	.1078	.1240	.4312	-.1490
31	.172	.0808	.0808	.0704	.0841	.3025	-.1065
32	.178	.0507	.0507	.0343	.0363	.1970	-.0549
33	.183	.0518	.0518	.0354	.0363	.1775	-.0613
34	.188	.0872	.0872	.0708	.0786	.3845	-.1328
35	.194	.0873	.0873	.0709	.0786	.2592	-.0977
36	.200	.1022	.1022	.0858	.0955	.5520	-.1907
37	.206	.1212	.1212	.1048	.1091	.7355	-.2541
38	.211	.0868	.0868	.0705	.0763	.5424	-.1874
39	.217	.0498	.0498	.0334	.0329	.2819	-.0976
40	.222	.0567	.0567	.0403	.0391	.3744	-.1293
41	.228	.0558	.0558	.0342	.0308	.3508	-.1212
42	.233	.0296	.0296	.0179	.0180	.1090	-.0325
43	.239	.0178	.0178	.0057	.0089	.0116	-.0027
44	.244	.0252	.0252	.0068	.0516	.0952	-.0349
45	.250	.0246	.0246	.0066	.0099	.0899	-.0281
46	.256	.0232	.0232	.0077	.0074	.1335	-.0461
47	.261	.0232	.0232	.0085	.0085	.1741	-.0615
48	.267	.0270	.0277	.0113	.1342	.2473	-.0894
49	.272	.0341	.0316	.0152	.0236	.3753	-.1297
50	.278	.0327	.0313	.0149	.2251	.4151	-.1433
51	.283	.0242	.0259	.0095	.1614	.2375	-.0828
52	.289	.0221	.0223	.0093	.1147	.2114	-.0730
53	.294	.0211	.0204	.0094	.0763	.1775	-.0613
54	.300	.0195	.0199	.0094	.1011	.1320	-.0489
55	.306	.0149	.0153	.0099	.0600	.0600	-.0000
56	.311	.0107	.0119	.0099	.0600	.0600	-.0000
57	.317	.0109	.0112	.0099	.0600	.0600	-.0000
58	.322	.0126	.0123	.0099	.0600	.0600	-.0000
59	.328	.0131	.0127	.0099	.0600	.0600	-.0000
60	.333	.0123	.0127	.0099	.0600	.0600	-.0000





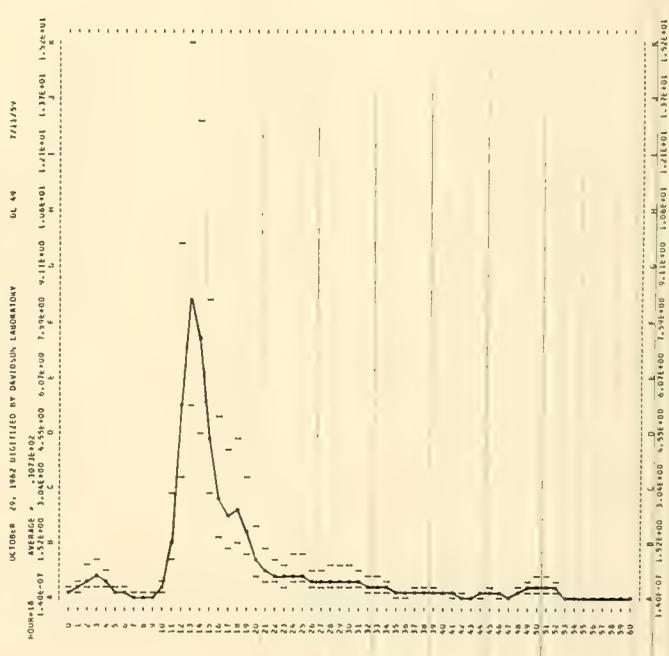
SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/59		AV. T = 8.9		RECORD = DL 48			
HOUR = 15		SIG. HGT. = 23.7		UPPER HGT. = 25.9			
TOTAL DF = 181		CORR. VAR. = 35.0		LOWER HGT. = 21.7			
		NOISE LEVEL = .0174		WIND SPEED = 0			
M	FREQ.	UNIT=FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000						
1	.004	-1028	-1028	-1454	-1454	-2470	-0926
2	.011	-2503	-2503	-2389	-2389	-4404	-1521
3	.017	-3086	-3086	-2439	-2439	-5308	-2100
4	.022	-2271	-2271	-2047	-2047	-3776	-1308
5	.028	-1910	-1910	-1130	-1130	-3200	-1105
6	.033	-1432	-1432	-1298	-1298	-3653	-1262
7	.039	-0771	-0771	-0588	-0588	-1462	-0905
8	.044	-0540	-0540	-0374	-0445	-0821	-0284
9	.050	-0562	-0562	-0368	-0409	-0754	-0280
10	.056	-2380	-2380	-2215	-2355	-4300	-1409
11	.061	1.3204	1.3204	1.3030	1.3519	2.4918	.8608
12	.067	2.4086	2.4086	2.5912	2.0578	4.0887	1.6923
13	.072	3.0549	3.0549	3.0375	3.1165	5.7441	1.9844
14	.078	2.9359	2.9359	2.9185	3.0206	5.5875	1.9236
15	.083	2.8041	2.8041	2.7867	2.9209	5.4003	1.8656
16	.088	2.8225	2.8225	2.8051	2.8827	5.4976	1.8592
17	.094	2.2253	2.2253	2.2379	2.4003	4.5513	1.5723
18	.100	1.7379	1.7379	1.7205	1.9586	3.6100	1.2471
19	.106	1.5181	1.5181	1.5007	1.7716	3.2653	1.1280
20	.111	1.2804	1.2804	1.2630	1.5510	2.8587	.9876
21	.117	1.3203	1.3203	1.3029	1.6899	3.0778	1.0833
22	.122	-4132	-4132	-4808	-4205	-2.2165	-7637
23	.128	-3508	-3508	-3335	-4703	-8609	-2995
24	.133	-2616	-2616	-2442	-3632	-6889	-2317
25	.139	-2996	-2996	-2822	-4440	-8184	-2827
26	.144	-2800	-2800	-2627	-4382	-8077	-2790
27	.150	-2679	-2679	-2505	-4089	-7527	-2604
28	.156	-2196	-2196	-2022	-3825	-7050	-2436
29	.161	-2127	-2127	-2023	-3743	-6743	-2400
30	.167	-1882	-1882	-1708	-3108	-6032	-2360
31	.172	-1051	-1051	-0917	-2139	-3943	-1362
32	.178	-0616	-0616	-0443	-1114	-2053	-0709
33	.183	-0532	-0532	-0359	-0974	-1796	-0621
34	.189	-0725	-0725	-0551	-1024	-2024	-0734
35	.194	-0749	-0749	-0575	-1041	-2094	-0772
36	.200	-0729	-0729	-0555	-1037	-2084	-0763
37	.206	-0731	-0731	-0557	-1123	-2312	-0822
38	.211	-0661	-0661	-0467	-1947	-3590	-1240
39	.217	-0600	-0600	-0510	-2360	-4340	-1504
40	.222	-0584	-0584	-0390	-1905	-3621	-1251
41	.228	-0376	-0376	-0245	-1418	-2613	-0884
42	.233	-0408	-0408	-0226	-1391	-2564	-0884
43	.239	-0408	-0408	-0236	-1597	-2943	-1017
44	.244	-0382	-0382	-0192	-1508	-2776	-0956
45	.250	-0300	-0300	-0126	-1008	-1969	-0680
46	.256	-0192	-0192	-0066	-0835	-1092	-0277
47	.261	-0191	-0191	-0022	-0236	-0434	-0150
48	.267	-0233	-0233	-0031	-0439	-0808	-0274
49	.272	-0176	-0176	-0012	-0159	-0893	-0279
50	.278	-0130	-0130	-0000	-0000	-0000	-0000
51	.283	-0204	-0204	-0016	-0310	-0971	-0319
52	.289	-0253	-0253	-0057	-1105	-2037	-0704
53	.294	-0262	-0262	-0040	-1078	-2018	-0694
54	.300	-0199	-0200	-0027	-0605	-1226	-0424
55	.306	-0219	-0203	-0029	-0825	-1521	-0526
56	.311	-0170	-0170	-0000	-0000	-0000	-0000
57	.317	-0124	-0125	-0000	-0000	-0000	-0000
58	.322	-0118	-0122	-0000	-0000	-0000	-0000
59	.328	-0132	-0130	-0000	-0000	-0000	-0000
60	.333	-0144	-0138	-0000	-0000	-0000	-0000



SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

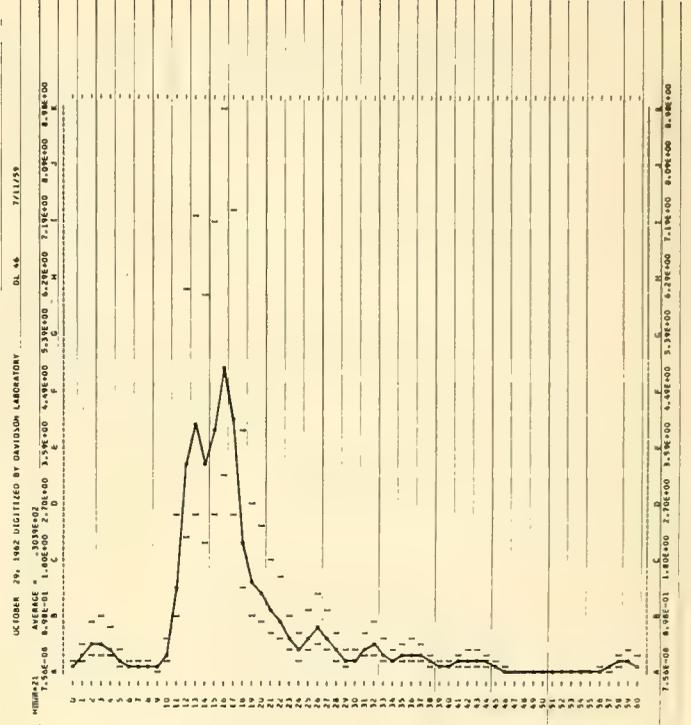
DATE = 7/11/59		AV. T = 9.3		RECORD = DL 49			
HOUR = 18		SIG. HGT. = 28.1		UPPER HGT. = 31.1			
TOTAL DF = 123		CORR. VAR. = 49.2		LOWER HGT. = 25.3			
		NOISE LEVEL = .0284		WIND SPEED = 35			
M	FREQ.	UNIT=FT.-2	FILTERED	LESS NOISE	CORR.FT.-2	UPPER	LOWER
0	.000						
1	.008	-1873	-1873	-1589	-1589	-2928	-1012
2	.011	-2804	-2804	-2520	-2520	-4445	-1609
3	.017	-5192	-5192	-4608	-4608	-9046	-3125
4	.022	-4216	-4216	-3930	-3930	-7376	-2636
5	.028	-2253	-2253	-1969	-1969	-3630	-1256
6	.033	-1530	-1530	-1255	-1255	-2466	-0820
7	.039	-0787	-0787	-0503	-0667	-1230	-0425
8	.044	-0856	-0856	-0572	-0843	-1617	-0282
9	.050	-0841	-0841	-0557	-0618	-1134	-0194
10	.056	-2511	-2511	-2227	-2767	-4363	-1507
11	.061	1.5306	1.5306	1.5082	1.6487	2.8481	.9963
12	.067	5.1507	5.1507	5.1283	5.2601	9.6951	3.3493
13	.072	8.0573	8.0573	8.0289	8.2376	15.1832	5.2452
14	.078	6.8717	6.8717	6.8433	7.0829	13.0548	4.5099
15	.083	4.2773	4.2773	4.2489	4.4673	8.2338	2.8445
16	.088	2.5887	2.5887	2.5703	2.7330	5.0373	1.7402
17	.094	2.0780	2.0780	2.0496	2.2615	4.1683	1.4400
18	.100	2.1618	2.1618	2.1334	2.4287	4.5364	1.5466
19	.106	1.5873	1.5873	1.5589	1.8403	3.3920	1.1718
20	.111	.8901	.8901	.8617	1.0581	1.9503	.6737
21	.117	.6324	.6324	.6040	.7741	1.4264	.4929
22	.122	-4730	-4730	-4446	-5068	-1.0599	-3600
23	.128	-4077	-4077	-3793	-4393	-9862	-3467
24	.133	-4699	-4699	-4410	-4959	-1.2088	-4176
25	.139	-4273	-4273	-3988	-4674	-1.1565	-3996
26	.144	-2886	-2886	-2602	-4341	-8000	-2764
27	.150	-2681	-2681	-2397	-4251	-7836	-2707
28	.156	-2640	-2640	-2452	-4027	-6765	-2401
29	.161	-2630	-2630	-2352	-4758	-3029	-2764
30	.167	-2592	-2592	-2308	-3910	-9234	-3100
31	.172	-2226	-2226	-1942	-4428	-8340	-2883
32	.178	-1888	-1888	-1404	-3534	-6314	-2270
33	.183	-1562	-1562	-1278	-3473	-6402	-2212
34	.189	-1145	-1145	-0861	-2539	-4680	-1617
35	.194	-0841	-0841	-0357	-1143	-2102	-0788
36	.200	-0545	-0545	-0281	-0910	-1178	-0580
37	.206	-0649	-0649	-0365	-1364	-2563	-0943
38	.211	-0669	-0669	-0385	-1404	-2957	-1021
39	.217	-0578	-0578	-0294	-1348	-2484	-0858
40	.222	-0529	-0529	-0245	-1234	-2274	-0766
41	.228	-0498	-0498	-0197	-1094	-2016	-0696
42	.233	-0376	-0376	-0113	-0894	-1280	-0462
43	.239	-0288	-0288	-0052	-0396	-0636	-0227
44	.244	-0311	-0311	-0108	-0818	-1508	-0514
45	.250	-0513	-0457	-0173	-1461	-2492	-0930
46	.256	-0382	-0380	-0105	-0975	-1872	-0633
47	.261	-0262	-0219	-0035	-0375	-0691	-0239
48	.267	-0467	-0391	-0107	-1273	-2346	-0811
49	.272	-0420	-0488	-0204	-1722	-3017	-1133
50	.278	-1504	-1502	-0218	-3296	-6075	-2099
51	.283	-0609	-0641	-0187	-1343	-2189	-0742
52	.289	-0411	-0403	-0119	-2300	-4240	-1465
53	.294	-0200	-0200	-0000	-0000	-0000	-0000
54	.300	-0191	-0209	-0000	-0000	-0000	-0000
55	.306	-0200	-0206	-0000	-0000	-0000	-0000
56	.311	-0238	-0235	-0000	-0000	-0000	-0000
57	.317	-0274	-0289	-0000	-0000	-0000	-0000
58	.322	-0249	-0276	-0000	-0000	-0000	-0000
59	.328	-0249	-0254	-0000	-0000	-0000	-0000
60	.333	-0210	-0229	-0000	-0000	-0000	-0000





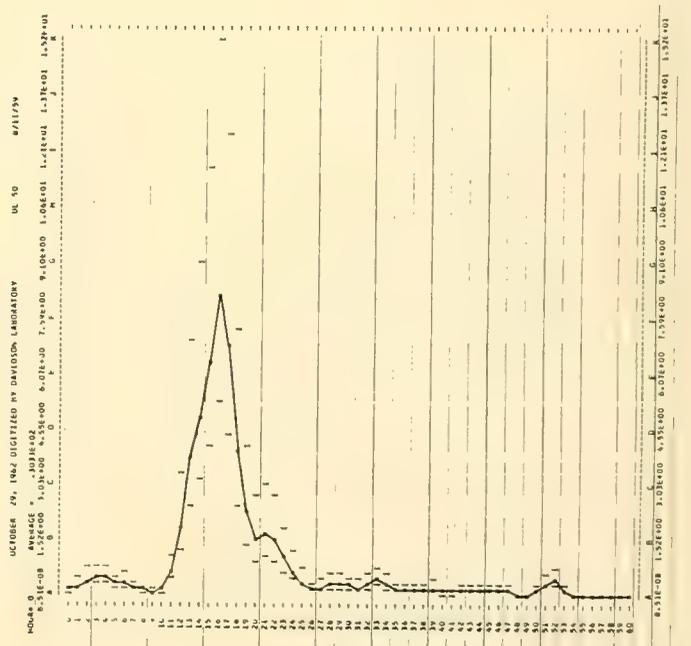
SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/59		AV. T = 23.6		RECORD = DL 46			
HOUR = 0		SIG. HGT. = 23.6		UPPER HGT. = 26.1			
TOTAL DF = 1536		CORR. VAR. = 41.1		LOWER HGT. = 21.4			
		NOISE LEVEL = .0211		WIND SPEED = 40			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1425	.1425	.1213	.1213	.2236	.0773
1	.004	.2757	.2757	.2545	.2545	.4482	.1821
2	.011	.4569	.4569	.4358	.4358	.8032	.3775
3	.017	.6024	.6024	.5813	.5813	.1081	.3065
4	.022	.7189	.7189	.6977	.6977	.1731	.4533
5	.028	.8185	.8185	.7974	.7974	.2639	.6257
6	.033	.9083	.9083	.8872	.8872	.3879	.8684
7	.039	.1100	.1100	.1089	.1180	.5476	.1252
8	.046	.1020	.1020	.1009	.0963	.7775	.0813
9	.050	.1082	.1082	.1071	.1022	.1063	.0333
10	.056	.1298	.1298	.1287	.1250	.1569	.1751
11	.061	1.3354	1.3354	1.3143	1.3035	2.5132	.6682
12	.067	3.2634	3.2634	3.2423	3.2256	6.1296	2.1172
13	.072	3.8700	3.8700	3.8488	3.8489	7.2784	2.5144
14	.078	3.1826	3.1826	3.1615	3.1704	8.0002	2.0981
15	.083	3.7197	3.7197	3.6986	3.6887	7.1675	2.4761
16	.089	3.6555	3.6555	3.6343	3.6245	8.3965	2.0000
17	.094	3.6557	3.6557	3.6345	3.6248	7.3908	3.1078
18	.100	1.8685	1.8685	1.8474	1.8408	3.6721	1.3377
19	.106	1.2415	1.2415	1.2203	1.2106	2.4552	.9173
20	.111	1.0638	1.0638	1.0427	1.0404	2.3400	.8153
21	.117	1.0811	1.0811	1.0700	1.0575	1.7447	.4094
22	.122	.6293	.6293	.6081	.6164	1.5047	.5128
23	.128	.3836	.3836	.3624	.3707	.9409	.3250
24	.133	.2513	.2513	.2301	.2382	.6308	.2179
25	.139	.3374	.3374	.3162	.3243	.7764	.3373
26	.144	.4235	.4235	.4023	.4104	1.1271	.4343
27	.150	.3340	.3340	.3128	.3209	1.0230	.3934
28	.156	.3927	.3927	.3715	.3796	.9288	.3525
29	.161	.1234	.1234	.1022	.1103	.6018	.2077
30	.167	.1203	.1203	.1092	.1172	.3967	.1370
31	.172	.1772	.1772	.1561	.1641	.4711	.2318
32	.178	.1974	.1974	.1763	.1843	.6178	.2825
33	.183	.1300	.1300	.1088	.1168	.4453	.1883
34	.189	.0942	.0942	.0731	.0811	.3971	.1372
35	.194	.0584	.0584	.0373	.0453	.2485	.0921
36	.200	.1045	.1045	.0834	.0914	.3361	.1852
37	.204	.0912	.0912	.0701	.0781	.4920	.1700
38	.211	.0376	.0376	.0165	.0245	.2304	.0804
39	.217	.0391	.0391	.0180	.0260	.1521	.0526
40	.222	.0267	.0267	.0088	.0168	.1822	.0629
41	.228	.0493	.0493	.0282	.0362	.2465	.0921
42	.233	.0503	.0503	.0290	.0370	.3176	.1007
43	.239	.0471	.0471	.0256	.0336	.1749	.0609
44	.244	.0533	.0533	.0320	.0400	.2876	.0984
45	.250	.0319	.0319	.0110	.0190	.1497	.0577
46	.256	.0231	.0231	.0039	.0119	.0677	.0234
47	.261	.0225	.0225	.0009	.0089	.0186	.0058
48	.267	.0209	.0209	.0000	.0000	.0000	.0000
49	.272	.0156	.0156	.0000	.0000	.0000	.0000
50	.278	.0184	.0184	.0000	.0000	.0000	.0000
51	.283	.0174	.0174	.0000	.0000	.0000	.0000
52	.289	.0195	.0195	.0000	.0000	.0000	.0000
53	.294	.0174	.0174	.0000	.0000	.0000	.0000
54	.300	.0173	.0173	.0000	.0000	.0000	.0000
55	.306	.0214	.0214	.0000	.0000	.0000	.0000
56	.311	.0223	.0222	.0011	.0030	.0045	.0023
57	.317	.0213	.0213	.0014	.0034	.0057	.0034
58	.322	.0265	.0265	.0038	.0058	.0085	.0042
59	.328	.0260	.0260	.0043	.0073	.0010	.0035
60	.333	.0209	.0209	.0023	.0053	.0000	.0000



SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

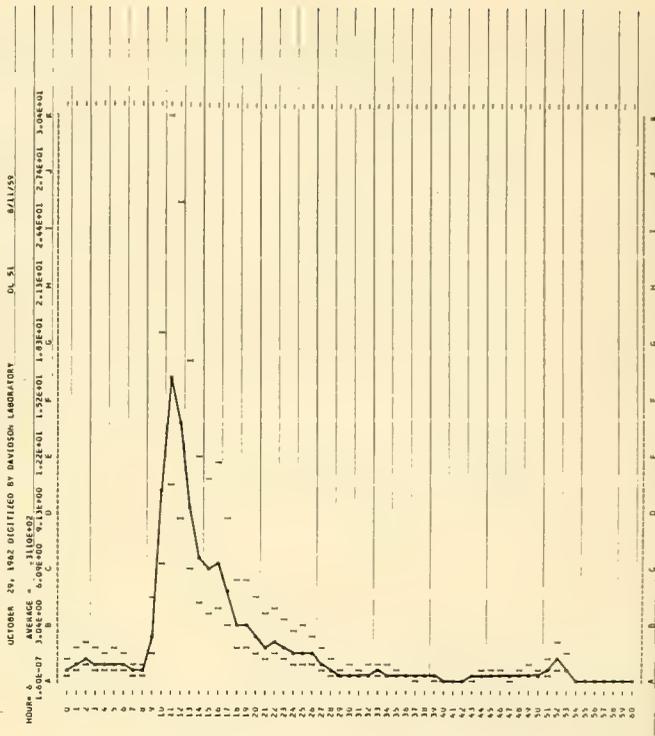
DATE = 8/11/59		AV. T = 20.2		RECORD = DL 50			
HOUR = 0		SIG. HGT. = 20.2		UPPER HGT. = 32.4			
TOTAL DF = 1225		CORR. VAR. = 51.4		LOWER HGT. = 26.4			
		NOISE LEVEL = .0280		WIND SPEED = 55			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1244	.1244	.0955	.0955	.1740	.0008
1	.004	.2460	.2460	.2171	.2171	.4002	.1362
2	.011	.4054	.4054	.3765	.3765	.6939	.2397
3	.017	.4773	.4773	.4484	.4484	.8264	.2855
4	.022	.4373	.4373	.4084	.4084	.7527	.2400
5	.028	.5152	.5152	.4862	.4862	.9276	.3182
6	.033	.3309	.3309	.3020	.3103	.5864	.2024
7	.039	.1474	.1474	.1385	.1468	.2589	.0865
8	.044	.1104	.1104	.1015	.1098	.1924	.0645
9	.050	.0732	.0732	.0643	.0692	.1007	.0313
10	.056	.1370	.1370	.1281	.1364	.2318	.0732
11	.061	.0642	.0642	.0553	.0608	1.1001	.3800
12	.067	1.2896	1.2896	1.2605	1.2605	3.2282	1.1498
13	.072	3.1070	3.1070	3.0781	3.0781	6.9555	2.4029
14	.078	6.8936	6.8936	6.7647	6.7647	9.7073	3.1335
15	.083	6.0874	6.0874	6.0586	6.0589	11.7606	4.0559
16	.089	7.7702	7.7702	7.7412	7.7412	15.7174	5.7412
17	.094	8.1805	8.1805	8.1516	8.1516	17.3229	6.3262
18	.100	3.4706	3.4706	3.4417	3.4417	7.2214	2.4947
19	.106	1.9202	1.9202	1.8913	1.8913	4.1347	1.4286
20	.111	1.2041	1.2041	1.1752	1.1752	2.4400	.9189
21	.117	1.2904	1.2904	1.2615	1.2615	2.9801	1.0295
22	.122	1.1136	1.1136	1.0847	1.0847	2.4838	.9271
23	.128	.7352	.7352	.7063	.7063	1.8362	.6343
24	.133	.5076	.5076	.4787	.4787	1.1177	.4143
25	.139	.2655	.2655	.2366	.2366	.6140	.2179
26	.144	.1371	.1371	.1082	.1082	.3326	.1147
27	.150	.1553	.1553	.1264	.1264	.4171	.1414
28	.156	.2004	.2004	.1715	.1715	.5778	.2004
29	.161	.1762	.1762	.1473	.1473	.4140	.1407
30	.167	.1457	.1457	.1168	.1168	.2972	.1014
31	.172	.1255	.1255	.0957	.0957	.2120	.0740
32	.178	.1452	.1452	.1143	.1143	.2994	.1063
33	.183	.1371	.1371	.1062	.1062	.2472	.0862
34	.189	.1345	.1345	.1036	.1036	.2348	.0822
35	.194	.1074	.1074	.0785	.0785	.1707	.0635
36	.200	.0661	.0661	.0372	.0372	.1092	.0366
37	.204	.0888	.0888	.0597	.0597	.1401	.0508
38	.211	.0742	.0742	.0493	.0493	.1088	.0362
39	.217	.0745	.0745	.0496	.0496	.1085	.0360
40	.222	.0523	.0523	.0234	.0234	.0418	.0151
41	.228	.0463	.0463	.0205	.0205	.0317	.0124
42	.233	.0538	.0538	.0224	.0224	.0362	.0135
43	.239	.0508	.0508	.0219	.0219	.0346	.0128
44	.244	.0456	.0456	.0184	.0184	.0299	.0108
45	.250	.0481	.0481	.0188	.0188	.0311	.0113
46	.256	.0431	.0431	.0160	.0160	.0270	.0101
47	.261	.0407	.0407	.0139	.0139	.0258	.0094
48	.267	.0248	.0248	.0081	.0081	.0153	.0056
49	.272	.0245	.0245	.0080	.0080	.0150	.0054
50	.278	.0424	.0424	.0111	.0111	.0204	.0074
51	.283	.0342	.0342	.0097	.0097	.0165	.0057
52	.289	.0314	.0314	.0078	.0078	.0154	.0054
53	.294	.0362	.0362	.0093	.0093	.0160	.0054
54	.300	.0237	.0237	.0060	.0060	.0100	.0036
55	.306	.0270	.0270	.0060	.0060	.0100	.0036
56	.311	.0270	.0270	.0060	.0060	.0100	.0036
57	.317	.0204	.0204	.0050	.0050	.0080	.0030
58	.322	.0270	.0270	.0060	.0060	.0100	.0036
59	.328	.0171	.0171	.0040	.0040	.0060	.0024
60	.333	.0130	.0130	.0030	.0030	.0040	.0018





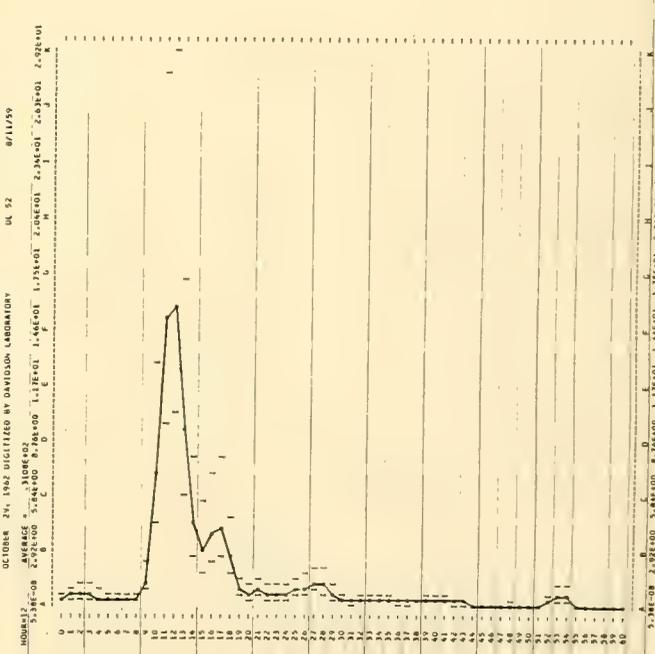
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59		AV. T = 5.6		RECORD = DL 51			
NRUR = 8		SIG-MGT. = 42.5		UPPER MGT. = 50.8			
TOTAL DF = 147		CORR. VAR. = 113.1		LOWER MGT. = 38.7			
		NOISE LEVEL = .0710		WIND SPEED = 55			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0000	.0000	.0000	.0000	1.1367	.2927
1	.004	1.0100	1.0100	1.0100	1.0100	1.7318	.5083
2	.011	1.2769	1.2769	1.2769	1.2769	2.2226	.7611
3	.017	1.0100	1.0100	1.0100	1.0100	1.7687	.4110
4	.022	.9312	.9312	.9312	.9312	1.5856	.3478
5	.028	1.0259	1.0259	1.0259	1.0259	1.7618	.4086
6	.033	.8455	.8455	.8455	.8455	1.2684	.2784
7	.039	.8207	.8207	.8207	.8207	1.0859	.2597
8	.044	.8768	.8768	.8768	.8768	1.0027	.2527
9	.050	2.2466	2.2466	2.1756	2.4147	4.4507	1.5375
10	.056	9.4759	9.4759	9.5040	10.2100	18.8186	6.2041
11	.061	15.9940	15.9940	15.9220	16.2001	30.4450	10.5150
12	.067	13.7487	13.7487	13.7777	14.0282	25.8579	8.9230
13	.072	9.2077	9.2077	9.1367	9.3743	17.2782	5.9650
14	.078	6.5169	6.5169	6.4459	6.6716	12.0267	4.2480
15	.083	3.7262	3.7262	3.6552	3.9437	10.9592	3.7846
16	.089	6.0606	6.0606	5.9896	6.3086	11.7382	4.0551
17	.094	4.4458	4.4458	4.3748	4.6221	8.8971	3.0736
18	.100	2.4804	2.4804	2.4094	2.5708	5.4782	1.8915
19	.106	2.5347	2.5347	2.4637	2.5320	5.4042	1.8649
20	.111	2.0269	2.0269	1.9559	2.0394	4.4225	1.5278
21	.117	1.5541	1.5541	1.4831	1.5009	3.5036	1.2104
22	.122	1.8982	1.8982	1.8272	1.8750	4.0161	1.3874
23	.128	1.3631	1.3631	1.2921	1.3243	3.1592	1.1605
24	.133	1.0672	1.0672	1.0062	1.0414	2.2304	.8433
25	.139	1.1111	1.1111	1.0401	1.0783	2.0549	1.0049
26	.144	.9079	.9079	.8369	.8743	2.5735	.8891
27	.150	.8211	.8211	.7501	.7873	1.7083	.6213
28	.156	.8043	.8043	.7333	.7705	1.2925	.5274
29	.161	.2556	.2556	.1846	.1735	.6884	.2378
30	.167	.2876	.2876	.1916	.1805	.7269	.2549
31	.172	.2329	.2329	.1619	.1735	.6957	.2403
32	.178	.2222	.2222	.1512	.1628	.7201	.2695
33	.183	.2222	.2222	.1512	.1628	1.0081	.3463
34	.189	.2176	.2176	.1466	.1572	.7263	.2791
35	.194	.1550	.1550	.0840	.0917	1.2117	.4192
36	.200	.1407	.1407	.0697	.0743	.4481	.1548
37	.206	.1253	.1253	.0543	.0587	.3810	.1316
38	.211	.1202	.1202	.0587	.0649	.4513	.1559
39	.217	.1200	.1200	.0890	.0943	.4135	.1428
40	.222	.0840	.0840	.0130	.0253	1.004	.0416
41	.228	.0759	.0759	.0089	.0497	.0916	.0316
42	.233	.0819	.0819	.0119	.0119	.1458	.0504
43	.239	.0921	.0921	.0237	.1617	.2980	.1030
44	.244	.1150	.1150	.0411	.1120	.3750	.1386
45	.250	.1250	.1250	.0474	.1405	.7382	.2640
46	.256	.1004	.1004	.0335	.1166	.5835	.2016
47	.261	.0884	.0884	.0214	.0849	.4164	.1488
48	.267	.1058	.1058	.0292	.1473	.6402	.2212
49	.272	.1091	.1091	.0340	.1549	.6346	.2280
50	.278	.0827	.0827	.0248	.1746	.6905	.2385
51	.283	.1125	.1125	.0379	.1666	1.1913	.4116
52	.289	.1278	.1278	.0548	1.0948	2.0948	.7003
53	.294	.1031	.1031	.0345	.1385	1.1987	.4032
54	.300	.0500	.0500	.0000	.0000	.0000	.0000
55	.306	.0583	.0583	.0000	.0000	.0000	.0000
56	.311	.0853	.0853	.0000	.0000	.0000	.0000
57	.317	.0562	.0562	.0000	.0000	.0000	.0000
58	.322	.0516	.0516	.0000	.0000	.0000	.0000
59	.328	.0280	.0280	.0000	.0000	.0000	.0000
60	.333	.0353	.0353	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

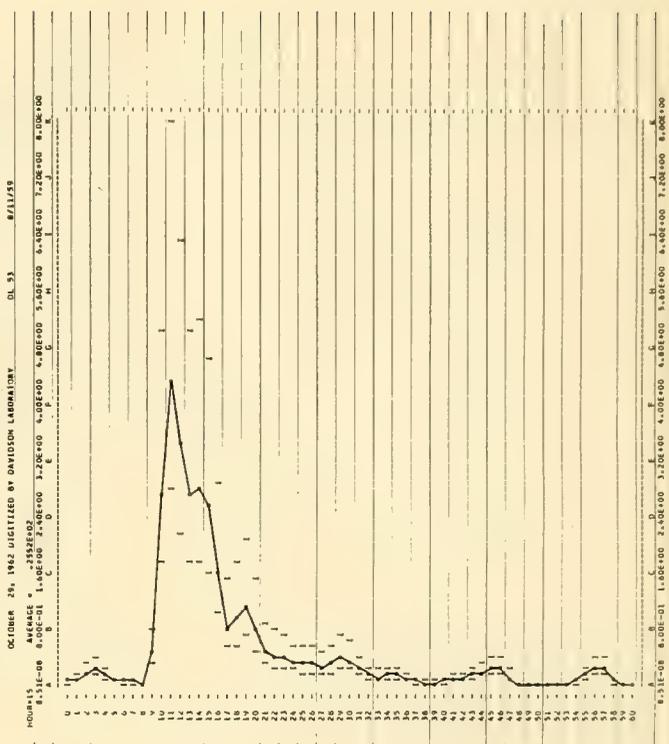
DATE = 8/11/59		AV. T = 10.1		RECORD = DL 52			
NRUR = 12		SIG-MGT. = 36.1		UPPER MGT. = 41.2			
TOTAL DF = 162		CORR. VAR. = 84.3		LOWER MGT. = 32.4			
		NOISE LEVEL = .0480		WIND SPEED = 40			
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4178	.4178	.3697	.3697	.6915	.2354
1	.006	.5659	.5659	.5179	.5179	.9545	.3298
2	.011	.6931	.6931	.6451	.6451	1.1889	.4107
3	.017	.6089	.6089	.5609	.5609	1.0338	.3571
4	.022	.6617	.6617	.6137	.6137	.7625	.2644
5	.028	.3282	.3282	.2802	.2802	.5164	.1784
6	.033	.2701	.2701	.2221	.2221	.4449	.1528
7	.039	.2519	.2519	.2039	.2039	.4989	.1724
8	.044	.2999	.2999	.2519	.2519	.5528	.1910
9	.050	1.0228	1.0228	1.1548	1.2817	2.3624	.8161
10	.056	6.5353	6.5353	6.4873	6.8940	12.7104	4.3910
11	.061	16.8778	16.8778	16.8298	15.1784	27.9761	9.0667
12	.067	15.4915	15.4915	15.4435	15.8404	26.1962	10.0662
13	.072	9.1211	9.1211	9.0731	9.3090	17.1578	5.9274
14	.078	4.2084	4.2084	4.1604	4.3019	7.9240	2.7362
15	.083	2.8357	2.8357	2.7877	2.9310	5.4023	1.8663
16	.089	3.5915	3.5915	3.5435	3.7878	6.9445	2.3961
17	.094	3.8739	3.8739	3.8259	4.2215	7.7809	2.6880
18	.100	2.2828	2.2828	2.2348	2.5441	4.8891	1.6190
19	.106	.7792	.7792	.7312	.8631	1.5509	.5456
20	.111	.5596	.5596	.5116	.6282	1.1579	.4000
21	.117	.6610	.6610	.6130	.7857	1.4481	.5003
22	.122	.5381	.5381	.4901	.6579	1.2127	.4189
23	.128	.4591	.4591	.4111	.5794	1.0488	.3692
24	.133	.4744	.4744	.4264	.6240	1.1686	.4037
25	.139	.5343	.5343	.4863	.7650	1.4101	.4871
26	.144	.6366	.6366	.5886	.9787	1.8038	.6232
27	.150	.7048	.7048	.6568	1.1685	2.1537	.7440
28	.156	.6044	.6044	.5564	1.0525	1.9400	.6702
29	.161	.3498	.3498	.3018	.4166	1.1253	.3888
30	.167	.1686	.1686	.1206	.2618	.4825	.1667
31	.172	.1350	.1350	.0870	.2029	.3739	.1292
32	.178	.1650	.1650	.1170	.2946	.5430	.1876
33	.183	.1917	.1917	.1437	.3867	.7200	.2487
34	.189	.1700	.1700	.1220	.3587	.6630	.2290
35	.194	.1302	.1302	.0822	.2631	.4850	.1675
36	.200	.1083	.1083	.0603	.2104	.3878	.1340
37	.206	.0911	.0911	.0491	.1842	.3027	.1046
38	.211	.1040	.1040	.0560	.2104	.4365	.1487
39	.217	.1227	.1227	.0747	.3424	.6912	.2180
40	.222	.1123	.1123	.0643	.3240	.6271	.2053
41	.228	.0946	.0946	.0484	.2592	.4761	.1714
42	.233	.0854	.0854	.0414	.2223	.4098	.1416
43	.239	.0720	.0720	.0291	.1577	.2907	.1004
44	.244	.0507	.0507	.0095	.0616	.0766	.0265
45	.250	.0244	.0244	.0000	.0000	.0000	.0000
46	.256	.0382	.0382	.0000	.0000	.0000	.0000
47	.261	.0481	.0481	.0047	.0047	.0921	.0318
48	.267	.0462	.0462	.0084	.1091	.1165	.0437
49	.272	.0435	.0435	.0000	.0000	.0000	.0000
50	.278	.0362	.0362	.0000	.0000	.0000	.0000
51	.283	.0492	.0492	.0027	.0458	.0846	.0291
52	.289	.0726	.0726	.0082	.0204	.1795	.0486
53	.294	.0848	.0848	.0103	.0364	1.2283	.0423
54	.300	.0740	.0740	.0099	.0219	.3734	.0311
55	.306	.0474	.0474	.0027	.0178	.1434	.0406
56	.311	.0200	.0200	.0000	.0000	.0000	.0000
57	.317	.0313	.0313	.0000	.0000	.0000	.0000
58	.322	.0350	.0350	.0000	.0000	.0000	.0000
59	.328	.0314	.0314	.0000	.0000	.0000	.0000
60	.333	.0294	.0294	.0000	.0000	.0000	.0000





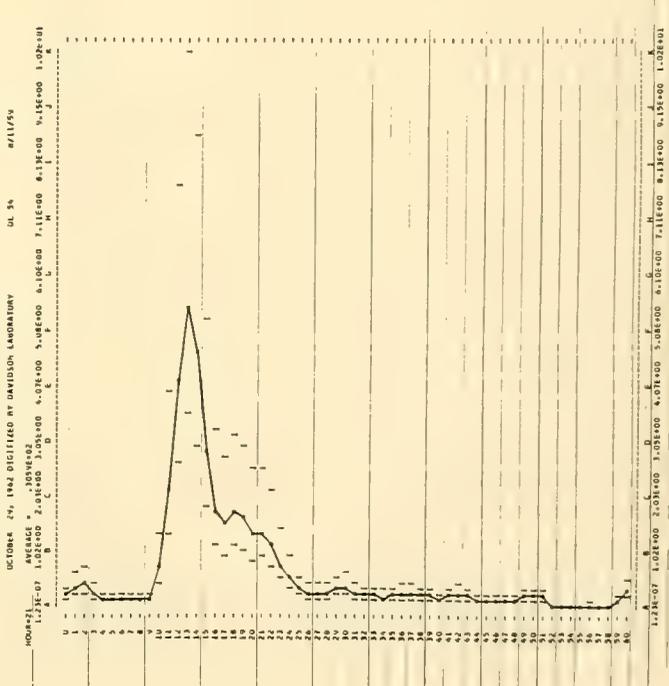
SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

M	FREQ.	UNIT-FT. 2	FILTERED	LESS NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0766	.0766	.0587	.0587	.1082	.0374
1	.006	.1111	.1111	.0932	.0932	.1718	.0553
2	.011	.2050	.2050	.1911	.1911	.3523	.1217
3	.017	.2478	.2478	.2290	.2290	.6238	.1466
4	.022	.3253	.3253	.3124	.3124	.1259	.0849
5	.028	.0810	.0810	.0631	.0631	.1162	.0402
6	.033	.0499	.0499	.0320	.0320	.0500	.0321
7	.039	.0408	.0408	.0249	.0249	.1049	.0363
8	.044	.0190	.0190	.0091	.0091	.0093	.0091
9	.050	.4202	.4202	.4023	.4023	.8231	.2843
10	.056	2.5983	2.5983	2.5804	2.5804	5.0557	1.7405
11	.061	4.2023	4.2023	4.1844	4.1844	8.0018	2.7043
12	.067	3.3545	3.3545	3.3366	3.3366	6.3080	2.1792
13	.072	2.6625	2.6625	2.6446	2.6446	5.0012	1.7277
14	.078	2.7409	2.7409	2.7230	2.7230	5.1964	1.7866
15	.083	2.4327	2.4327	2.4148	2.4148	4.6796	1.6106
16	.089	1.5045	1.5045	1.4867	1.4867	2.9136	1.0055
17	.094	.7710	.7710	.7531	.7531	1.5317	.5291
18	.100	.8448	.8448	.8269	.8269	1.5308	.5279
19	.106	.9755	.9755	.9576	.9576	1.1504	.2406
20	.111	.6736	.6736	.6557	.6557	1.4961	.5127
21	.117	.3891	.3891	.3712	.3712	.8749	.3029
22	.122	.3275	.3275	.3096	.3096	.7680	.2666
23	.128	.2921	.2921	.2742	.2742	.7188	.2472
24	.133	.2365	.2365	.2186	.2186	.5993	.2070
25	.139	.2047	.2047	.1868	.1868	.5478	.1892
26	.144	.2015	.2015	.1836	.1836	.5465	.1890
27	.150	.1638	.1638	.1459	.1459	.4764	.1646
28	.156	.1827	.1827	.1648	.1648	.5118	.1766
29	.161	.2179	.2179	.2000	.2000	.7458	.2577
30	.167	.1712	.1712	.1533	.1533	.6131	.2118
31	.172	.1099	.1099	.0920	.0920	.4364	.1387
32	.178	.0713	.0713	.0534	.0534	.2578	.0896
33	.183	.0584	.0584	.0405	.0405	.1700	.0700
34	.189	.0690	.0690	.0511	.0511	.2174	.0858
35	.194	.0641	.0641	.0462	.0462	.2481	.0860
36	.200	.0390	.0390	.0211	.0211	.1340	.0470
37	.206	.0300	.0300	.0121	.0121	.0849	.0293
38	.211	.0273	.0273	.0094	.0094	.0723	.0251
39	.217	.0261	.0261	.0082	.0082	.0691	.0239
40	.222	.0262	.0262	.0113	.0113	.1023	.0366
41	.228	.0339	.0339	.0152	.0152	.1554	.0537
42	.233	.0342	.0342	.0172	.0172	.1655	.0575
43	.239	.0375	.0375	.0203	.0203	.1885	.0682
44	.244	.0456	.0456	.0256	.0256	.2582	.0927
45	.250	.0491	.0491	.0276	.0276	.2940	.1020
46	.256	.0407	.0407	.0219	.0219	.2804	.1314
47	.261	.0247	.0247	.0160	.0160	.1616	.0577
48	.267	.0179	.0179	.0098	.0098	.0957	.0311
49	.272	.0154	.0154	.0080	.0080	.0900	.0284
50	.278	.0161	.0161	.0080	.0080	.0900	.0284
51	.283	.0143	.0143	.0080	.0080	.0900	.0284
52	.289	.0119	.0119	.0080	.0080	.0900	.0284
53	.294	.0163	.0163	.0080	.0080	.0900	.0284
54	.300	.0268	.0268	.0080	.0080	.0900	.0284
55	.306	.0275	.0275	.0080	.0080	.0900	.0284
56	.311	.0262	.0262	.0067	.0067	.0919	.0399
57	.317	.0246	.0246	.0054	.0054	.0922	.0355
58	.322	.0183	.0183	.0040	.0040	.0924	.0288
59	.328	.0150	.0150	.0030	.0030	.0900	.0284
60	.333	.0102	.0102	.0000	.0000	.0900	.0284



SPECTRA RECASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

M	FREQ.	UNIT-FT. 2	FILTERED	LESS NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.1923	.1923	.1752	.1752	.3229	.1116
1	.006	.3434	.3434	.3262	.3262	.6013	.2077
2	.011	.4147	.4147	.3975	.3975	.7327	.2511
3	.017	.2437	.2437	.2264	.2264	.4176	.1443
4	.022	.1472	.1472	.1301	.1301	.2308	.0828
5	.028	.1208	.1208	.1034	.1034	.1900	.0640
6	.033	.1005	.1005	.0834	.0834	.1421	.0486
7	.039	.1011	.1011	.0859	.0859	.1114	.0394
8	.044	.0974	.0974	.0803	.0803	.1762	.0409
9	.050	.1308	.1308	.1197	.1197	.2449	.0846
10	.056	4.0751	4.0751	4.0580	4.0580	7.4895	2.4934
11	.061	2.0750	2.0750	2.0578	2.0578	3.9351	1.3544
12	.067	4.0753	4.0753	4.0581	4.0581	7.7195	2.4667
13	.072	5.3014	5.3014	5.2743	5.2743	10.1632	3.5110
14	.078	4.5448	4.5448	4.5277	4.5277	8.6375	2.9830
15	.083	2.7706	2.7706	2.7533	2.7533	5.3355	1.8432
16	.089	1.6759	1.6759	1.6588	1.6588	3.2509	1.1231
17	.094	1.3894	1.3894	1.3723	1.3723	2.7908	.9461
18	.100	1.5258	1.5258	1.5087	1.5087	3.1655	1.0936
19	.106	1.3836	1.3836	1.3665	1.3665	2.9733	1.0272
20	.111	1.1193	1.1193	1.1021	1.1021	2.4466	.8618
21	.117	1.0762	1.0762	1.0591	1.0591	2.5020	.8643
22	.122	.8793	.8793	.8622	.8622	2.1258	.7344
23	.128	.5555	.5555	.5383	.5383	1.3995	.4835
24	.133	.3492	.3492	.3321	.3321	.9102	.3144
25	.139	.2003	.2003	.1832	.1832	.5484	.1905
26	.144	.1405	.1405	.1234	.1234	.3787	.1308
27	.150	.1363	.1363	.1192	.1192	.3896	.1344
28	.156	.1430	.1430	.1259	.1259	.4392	.1518
29	.161	.1486	.1486	.1314	.1314	.4282	.1496
30	.167	.1688	.1688	.1516	.1516	.6006	.2096
31	.172	.1180	.1180	.1009	.1009	.4206	.1408
32	.178	.0802	.0802	.0630	.0630	.2923	.1010
33	.183	.0766	.0766	.0595	.0595	.2780	.1039
34	.189	.0865	.0865	.0694	.0694	.3253	.1167
35	.194	.0710	.0710	.0545	.0545	.3215	.1111
36	.200	.0708	.0708	.0546	.0546	.3285	.1141
37	.206	.0711	.0711	.0540	.0540	.3788	.1309
38	.211	.0633	.0633	.0462	.0462	.3551	.1227
39	.217	.0528	.0528	.0356	.0356	.3010	.1040
40	.222	.0388	.0388	.0216	.0216	.2008	.0644
41	.228	.0474	.0474	.0301	.0301	.2481	.0819
42	.233	.0567	.0567	.0392	.0392	.3677	.1339
43	.239	.0246	.0246	.0073	.0073	.1637	.0587
44	.244	.0294	.0294	.0157	.0157	.2197	.0759
45	.250	.0281	.0281	.0143	.0143	.0964	.0358
46	.256	.0281	.0281	.0110	.0110	.1907	.0659
47	.261	.0273	.0273	.0107	.0107	.1134	.0397
48	.267	.0275	.0275	.0116	.0116	.1372	.0474
49	.272	.0277	.0277	.0115	.0115	.1933	.0629
50	.278	.0270	.0270	.0124	.0124	.1777	.0595
51	.283	.0292	.0292	.0095	.0095	.2974	.1027
52	.289	.0126	.0126	.0000	.0000	.0900	.0284
53	.294	.0066	.0066	.0000	.0000	.0900	.0284
54	.300	.0116	.0116	.0000	.0000	.0900	.0284
55	.306	.0186	.0186	.0000	.0000	.0900	.0284
56	.311	.0193	.0193	.0011	.0011	.0959	.0362
57	.317	.0142	.0142	.0000	.0000	.0900	.0284
58	.322	.0146	.0146	.0000	.0000	.0900	.0284
59	.328	.0158	.0158	.0000	.0000	.0922	.0319
60	.333	.0238	.0238	.0049	.0049	.2854	.1817





SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

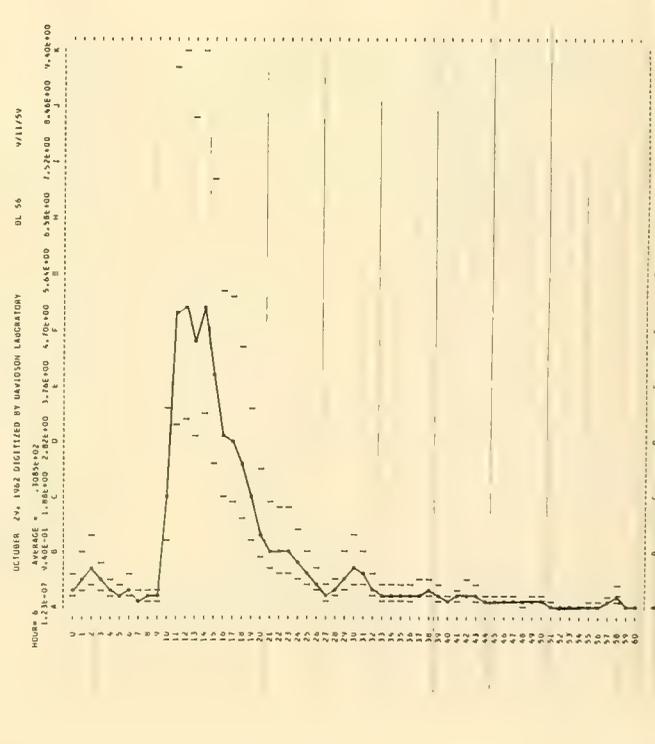
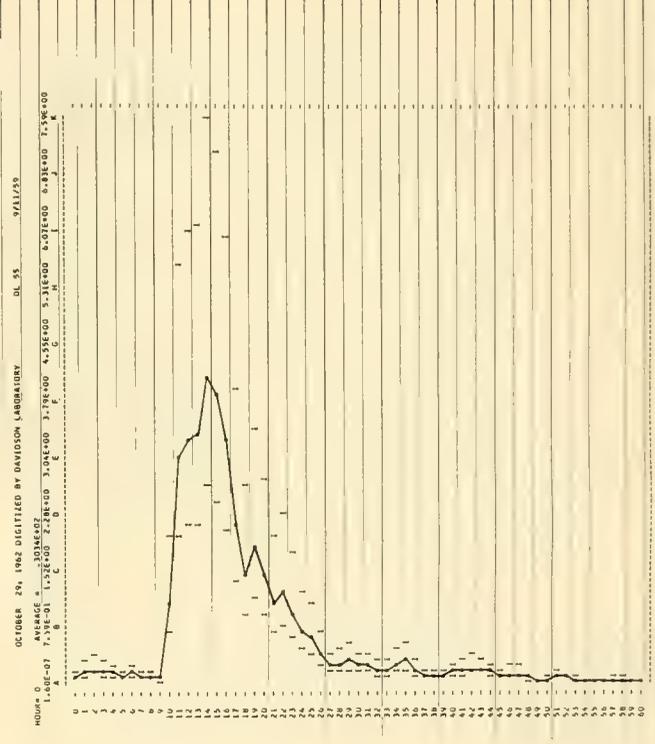
DATE = 9/11/59 AV. W = 9.3 RECORD = DL 55  
 HOUR = 0 SIG. MGT. = 24.9 UPPER MGT. = 27.3  
 TOTAL DF = 162 CORR. VAR. = 38.8 LOWER MGT. = 22.7  
 NOISE LEVEL = .0102 WIND SPEED = 40

M	FREQ.	UNIT FT. 2	FILTERED	LESS NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.1078	.1078	.0913	.0913	.1683	.0581
1	.004	.1846	.1846	.1481	.1481	.2720	.0945
2	.011	.2044	.2044	.1879	.1879	.3463	.1196
3	.017	.1437	.1437	.1472	.1472	.2713	.0937
4	.022	.1433	.1433	.1268	.1268	.2337	.0807
5	.028	.1193	.1193	.1027	.1027	.1893	.0654
6	.033	.0900	.0900	.0734	.0734	.1197	.0437
7	.039	.0699	.0699	.0533	.0533	.1305	.0451
8	.044	.0981	.0981	.0815	.0815	.0971	.0818
9	.050	.0580	.0580	.0415	.0415	.0460	.0293
10	.056	1.0235	1.0235	1.0069	1.0706	1.0729	.8816
11	.061	2.9718	2.9718	2.9551	3.0089	3.0509	1.9522
12	.067	3.2340	3.2340	3.2181	3.3008	3.3038	2.1017
13	.072	3.2853	3.2853	3.2688	3.3536	3.3536	2.1355
14	.078	3.9952	3.9952	3.9786	4.1179	4.1179	2.8220
15	.083	3.8936	3.8936	3.8771	3.9601	4.1258	2.6617
16	.089	3.0825	3.0825	3.0554	3.2600	3.2600	2.0758
17	.094	1.9618	1.9618	1.9253	2.1243	3.9154	1.3526
18	.100	1.2816	1.2816	1.2450	1.4401	2.6544	.9170
19	.104	1.5097	1.5097	1.5532	1.8336	3.3795	1.1875
20	.111	1.2153	1.2153	1.1888	1.6721	2.2134	.9274
21	.117	.8651	.8651	.8486	1.0876	2.0046	.6955
22	.122	.9240	.9240	.9075	1.2182	2.2453	.7757
23	.128	.8780	.8780	.8614	.9332	1.7506	.6281
24	.133	.8095	.8095	.7930	.8736	1.2416	.4209
25	.139	.3860	.3860	.3694	.3841	1.0527	.3847
26	.144	.2331	.2331	.2166	.2614	.6661	.2701
27	.150	.1435	.1435	.1270	.1270	.4152	.1434
28	.156	.1415	.1415	.1250	.1250	.4359	.1506
29	.161	.1506	.1506	.1340	.1340	.4907	.1726
30	.167	.1070	.1070	.1005	.1005	.3220	.1189
31	.172	.1016	.1016	.0851	.0851	.3658	.1264
32	.178	.0879	.0879	.0718	.0718	.3285	.1139
33	.183	.0805	.0805	.0649	.0649	.2404	.1107
34	.189	.1012	.1012	.0846	.0846	.4598	.1589
35	.194	.1108	.1108	.0863	.0863	.4574	.1718
36	.200	.0642	.0642	.0487	.0487	.3066	.1059
37	.206	.0461	.0461	.0301	.0301	.2136	.0571
38	.211	.0354	.0354	.0189	.0189	.1451	.0501
39	.217	.0328	.0328	.0162	.0162	.1371	.0476
40	.222	.0416	.0416	.0291	.0291	.1266	.0806
41	.228	.0498	.0498	.0306	.0306	.1340	.1085
42	.233	.0481	.0481	.0308	.0308	.1492	.1266
43	.239	.0450	.0450	.0268	.0268	.1825	.1162
44	.244	.0351	.0351	.0185	.0185	.1400	.0891
45	.250	.0245	.0245	.0121	.0121	.1074	.0452
46	.256	.0302	.0302	.0120	.0120	.1130	.0719
47	.261	.0283	.0283	.0105	.0105	.1110	.0707
48	.267	.0199	.0199	.0047	.0047	.1032	.0357
49	.272	.0146	.0146	.0003	.0003	.0601	.0026
50	.278	.0182	.0182	.0042	.0042	.0645	.0154
51	.283	.0218	.0218	.0039	.0039	.0674	.0129
52	.289	.0186	.0186	.0031	.0031	.0601	.0123
53	.294	.0186	.0186	.0012	.0012	.0493	.0040
54	.300	.0129	.0129	.0000	.0000	.0000	.0000
55	.306	.0105	.0105	.0000	.0000	.0000	.0000
56	.311	.0154	.0154	.0000	.0000	.0000	.0000
57	.317	.0113	.0113	.0000	.0000	.0000	.0000
58	.322	.0172	.0172	.0007	.0007	.0567	.0136
59	.328	.0168	.0168	.0000	.0000	.0000	.0000
60	.333	.0157	.0157	.0000	.0000	.0000	.0000

SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 AV. W = 9.4 RECORD = DL 56  
 HOUR = 6 SIG. MGT. = 28.3 UPPER MGT. = 30.9  
 TOTAL DF = 167 CORR. VAR. = 50.0 LOWER MGT. = 25.9  
 NOISE LEVEL = .0211 WIND SPEED = 40

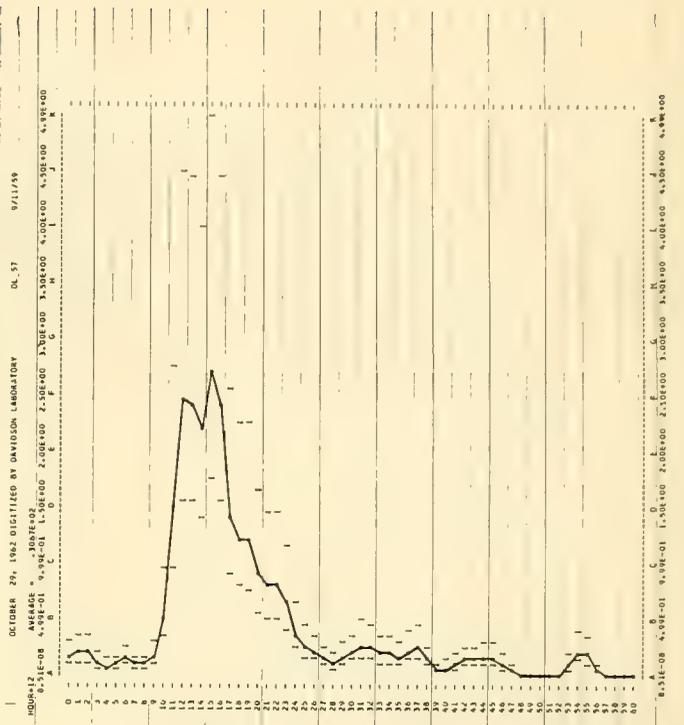
M	FREQ.	UNIT FT. 2	FILTERED	LESS NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.3360	.3360	.3149	.3149	.5804	.2005
1	.008	.5303	.5303	.5092	.5092	.9385	.3242
2	.011	.4845	.4845	.4633	.4633	.8228	.2724
3	.017	.4444	.4444	.4233	.4233	.7802	.2495
4	.022	.2598	.2598	.2387	.2387	.6199	.1820
5	.028	.2440	.2440	.2228	.2228	.6107	.1418
6	.033	.2030	.2030	.1819	.1819	.5282	.1825
7	.039	.1241	.1241	.1030	.1030	.4187	.0871
8	.044	.1478	.1478	.1267	.1267	.2780	.0680
9	.050	.1789	.1789	.1577	.1577	.3186	.1101
10	.056	1.7465	1.7465	1.7252	1.8390	3.3801	1.1677
11	.061	4.7895	4.7895	4.7684	4.9422	9.1184	3.1501
12	.067	4.9628	4.9628	4.9417	5.0892	9.3801	3.2405
13	.072	4.4121	4.4121	4.3910	4.5051	8.3036	2.8880
14	.078	4.9506	4.9506	4.9295	5.1020	9.4037	3.2488
15	.083	3.7382	3.7382	3.7170	3.8081	7.2032	2.4884
16	.089	2.7549	2.7549	2.7337	2.8066	5.3560	1.8500
17	.094	2.4058	2.4058	2.3847	2.4520	5.2466	1.8100
18	.100	2.1307	2.1307	2.1096	2.4016	4.4264	1.5742
19	.106	1.9483	1.9483	1.9271	1.9441	3.3889	1.1762
20	.111	1.0543	1.0543	1.0332	1.2687	2.3385	.8078
21	.117	.7836	.7836	.7625	.9773	1.8613	.6273
22	.122	.7029	.7029	.6818	.8153	1.6860	.5828
23	.128	.6780	.6780	.6569	.8237	1.7025	.5882
24	.133	.5074	.5074	.4862	.7201	1.3272	.4485
25	.139	.3546	.3546	.3335	.5246	.9469	.3140
26	.144	.2493	.2493	.2281	.3806	.7015	.2424
27	.150	.1405	.1405	.1193	.2116	.3401	.1347
28	.156	.1866	.1866	.1655	.2752	.5072	.1727
29	.161	.2716	.2716	.2505	.3507	.6139	.2428
30	.167	.3235	.3235	.3024	.4563	1.2096	.4179
31	.172	.2435	.2435	.2223	.3185	.9596	.3301
32	.178	.1469	.1469	.1258	.1866	.5835	.2010
33	.183	.1026	.1026	.0814	.1213	.4479	.1469
34	.189	.0925	.0925	.0714	.1074	.3878	.1340
35	.194	.0863	.0863	.0652	.0887	.3847	.1329
36	.200	.0761	.0761	.0550	.0718	.3335	.1221
37	.206	.0621	.0621	.0410	.0522	.4280	.1478
38	.211	.0832	.0832	.0621	.0780	.4374	.1649
39	.217	.0811	.0811	.0600	.0732	.3377	.1167
40	.222	.0407	.0407	.0196	.0282	.1810	.0628
41	.228	.0534	.0534	.0323	.0410	.1810	.0881
42	.233	.0680	.0680	.0470	.0557	.4310	.1489
43	.239	.0506	.0506	.0291	.0378	.3167	.1301
44	.244	.0333	.0333	.0180	.0267	.2244	.0775
45	.250	.0108	.0108	.0000	.0000	.0000	.0000
46	.256	.0323	.0323	.0110	.0197	.1710	.0594
47	.261	.0281	.0281	.0075	.0162	.1655	.0503
48	.267	.0240	.0240	.0048	.0135	.1071	.0370
49	.272	.0276	.0276	.0029	.0116	.1691	.0584
50	.278	.0110	.0110	.0000	.0000	.0000	.0000
51	.283	.0224	.0224	.0023	.0110	.0715	.0247
52	.289	.0161	.0161	.0000	.0000	.0000	.0000
53	.294	.0150	.0150	.0000	.0000	.0000	.0000
54	.300	.0219	.0219	.0000	.0000	.0000	.0000
55	.306	.0231	.0231	.0000	.0000	.0000	.0000
56	.311	.0208	.0208	.0011	.0056	.0056	.0227
57	.317	.0250	.0250	.0029	.0126	.1244	.0744
58	.322	.0276	.0276	.0043	.0138	.3308	.1127
59	.328	.0202	.0202	.0035	.0080	.0080	.0328
60	.333	.0149	.0149	.0000	.0000	.0000	.0000





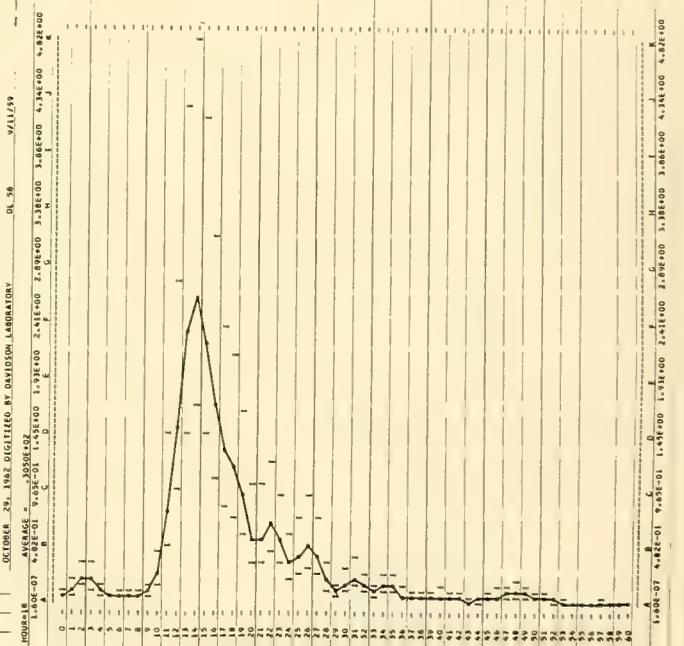
SPECTRA MIMCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59		AV. Fc		RECORD =		DL 37	
HOUR = 12		SIG. MGT. = 20.7		UPPER MGT. = 22.6			
TOTAL SP = 177		CORR. VAR. = 26.3		LOWER MGT. = 19.0			
		NOISE LEVEL = 0.176		WIND SPEED = 30			
H	FREQ.	UNIT-F.T.-2	FILTERED	LESS NOISE	CORR.F.T.-2	UPPER	LOWER
0	.000						
1	.000						
2	.011						
3	.017						
4	.022						
5	.028						
6	.033						
7	.038						
8	.044						
9	.050						
10	.056						
11	.061						
12	.067						
13	.072						
14	.078						
15	.083						
16	.089						
17	.094						
18	.100						
19	.106						
20	.111						
21	.117						
22	.122						
23	.128						
24	.133						
25	.139						
26	.144						
27	.150						
28	.156						
29	.161						
30	.167						
31	.172						
32	.178						
33	.183						
34	.189						
35	.194						
36	.200						
37	.206						
38	.211						
39	.217						
40	.222						
41	.228						
42	.233						
43	.239						
44	.244						
45	.250						
46	.256						
47	.261						
48	.267						
49	.272						
50	.278						
51	.283						
52	.289						
53	.294						
54	.300						
55	.306						
56	.311						
57	.317						
58	.322						
59	.328						
60	.333						



SPECTRA MIMCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59		AV. Fc		RECORD =		DL 38	
HOUR = 18		SIG. MGT. = 18.6		UPPER MGT. = 20.4			
TOTAL SP = 160		CORR. VAR. = 21.6		LOWER MGT. = 17.0			
		NOISE LEVEL = 0.082		WIND SPEED = 25			
H	FREQ.	UNIT-F.T.-2	FILTERED	LESS NOISE	CORR.F.T.-2	UPPER	LOWER
0	.000						
1	.006						
2	.011						
3	.017						
4	.022						
5	.028						
6	.033						
7	.039						
8	.044						
9	.050						
10	.056						
11	.061						
12	.067						
13	.072						
14	.078						
15	.083						
16	.089						
17	.094						
18	.100						
19	.106						
20	.111						
21	.117						
22	.122						
23	.128						
24	.133						
25	.139						
26	.144						
27	.150						
28	.156						
29	.161						
30	.167						
31	.172						
32	.178						
33	.183						
34	.189						
35	.194						
36	.200						
37	.206						
38	.211						
39	.217						
40	.222						
41	.228						
42	.233						
43	.239						
44	.244						
45	.250						
46	.256						
47	.261						
48	.267						
49	.272						
50	.278						
51	.283						
52	.289						
53	.294						
54	.300						
55	.306						
56	.311						
57	.317						
58	.322						
59	.328						
60	.333						





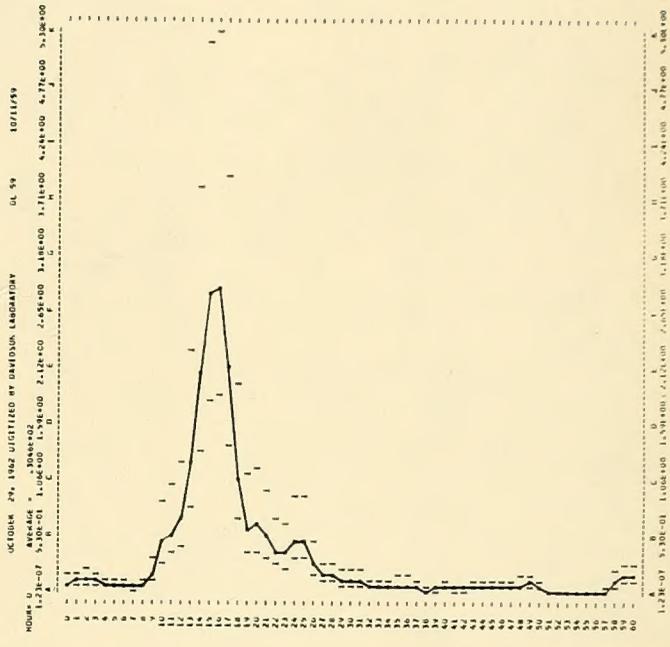
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/59  
 HOUR = 0  
 TOTAL DF = 136

AV. T = 8.7  
 SIG. HGT. = 16.1  
 CORR. VAR. = 20.5  
 NOISE LEVEL = .0077

RECORD = DL 59  
 UPPER HGT. = 20.0  
 LOWER HGT. = 16.4  
 WIND SPEED = 30

M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0871	.0871	.0794	.0794	.1464	.0500
1	.004	.1062	.1062	.0985	.0985	.1814	.0827
2	.011	.1222	.1222	.1145	.1145	.2110	.0729
3	.017	.0968	.0968	.0911	.0911	.1679	.0560
4	.022	.0865	.0865	.0588	.0588	.1084	.0375
5	.028	.0558	.0558	.0461	.0461	.0849	.0293
6	.033	.0384	.0384	.0307	.0307	.0484	.0192
7	.039	.0333	.0333	.0294	.0294	.0426	.0216
8	.044	.0488	.0488	.0411	.0411	.0501	.0311
9	.050	.1587	.1587	.1510	.1510	.1787	.1138
10	.056	.4394	.4394	.4277	.4277	.4547	.2895
11	.061	.5371	.5371	.5294	.5294	.5493	.3424
12	.067	.6030	.6030	.6553	.6553	.6721	.4288
13	.072	1.2005	1.2005	1.1928	1.1928	1.2238	.7752
14	.078	2.0085	2.0085	2.0008	2.0008	2.0708	1.3184
15	.083	2.4926	2.4926	2.4849	2.4849	2.4929	1.7974
16	.089	2.7100	2.7100	2.7023	2.7023	2.7873	1.8290
17	.094	1.9474	1.9474	1.9397	1.9397	2.1403	1.3628
18	.100	.9494	.9494	.9417	.9417	1.0720	.6826
19	.106	.5116	.5116	.5039	.5039	.5948	.3787
20	.111	.5108	.5108	.5031	.5031	1.1388	.3934
21	.117	.4196	.4196	.4119	.4119	.5279	.3362
22	.122	.2886	.2886	.2809	.2809	.3771	.2461
23	.128	.2585	.2585	.2508	.2508	.3537	.2252
24	.133	.3372	.3372	.3295	.3295	.4401	.3120
25	.139	.3169	.3169	.3092	.3092	.4868	.3097
26	.144	.1897	.1897	.1820	.1820	.2703	.1721
27	.150	.0909	.0909	.0832	.0832	.1475	.0939
28	.156	.0814	.0814	.0737	.0737	.1394	.0888
29	.161	.0884	.0884	.0807	.0807	.1227	.0781
30	.167	.0641	.0641	.0564	.0564	.1223	.0779
31	.172	.0555	.0555	.0478	.0478	.1114	.0709
32	.178	.0361	.0361	.0284	.0284	.0715	.0458
33	.183	.0256	.0256	.0178	.0178	.0485	.0316
34	.189	.0488	.0488	.0411	.0411	.0200	.0189
35	.194	.0319	.0319	.0242	.0242	.0775	.0493
36	.200	.0293	.0293	.0216	.0216	.0754	.0480
37	.206	.0109	.0109	.0032	.0032	.0466	.0297
38	.211	.0120	.0120	.0043	.0043	.0179	.0114
39	.217	.0148	.0148	.0011	.0011	.0374	.0297
40	.222	.0103	.0103	.0086	.0086	.0432	.0275
41	.228	.0140	.0140	.0060	.0060	.0708	.0245
42	.233	.0142	.0142	.0085	.0085	.0402	.0241
43	.239	.0143	.0143	.0065	.0065	.0817	.0242
44	.244	.0245	.0245	.0102	.0102	.0711	.0360
45	.250	.0150	.0150	.0084	.0084	.0559	.0336
46	.256	.0188	.0188	.0081	.0081	.0388	.0348
47	.261	.0117	.0117	.0051	.0051	.0538	.0343
48	.267	.0150	.0150	.0043	.0043	.0754	.0440
49	.272	.0159	.0159	.0064	.0064	.0727	.0459
50	.278	.0312	.0312	.0060	.0060	.1116	.0385
51	.283	.0060	.0060	.0008	.0008	.0133	.0245
52	.289	.0066	.0066	.0000	.0000	.0000	.0000
53	.294	.0059	.0059	.0000	.0000	.0000	.0000
54	.300	.0052	.0052	.0000	.0000	.0000	.0000
55	.306	.0044	.0044	.0000	.0000	.0000	.0000
56	.311	.0061	.0061	.0000	.0000	.0000	.0000
57	.317	.0084	.0084	.0006	.0006	.0236	.0190
58	.322	.0156	.0156	.0011	.0011	.0228	.0185
59	.328	.0108	.0108	.0029	.0029	.1434	.0813
60	.333	.0096	.0102	.0025	.0025	.1433	.0813



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/59  
 HOUR = 0  
 TOTAL DF = 159

AV. T = 9.3  
 SIG. HGT. = 17.8  
 CORR. VAR. = 19.3  
 NOISE LEVEL = .0075

RECORD = UL 80  
 UPPER HGT. = 19.3  
 LOWER HGT. = 16.1  
 WIND SPEED = 35

M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0586	.0586	.0511	.0511	.0942	.0325
1	.006	.0844	.0844	.0769	.0769	.1418	.0490
2	.011	.1121	.1121	.1045	.1045	.2019	.0697
3	.017	.1429	.1429	.1353	.1353	.2494	.0862
4	.022	.1299	.1299	.1224	.1224	.2264	.0794
5	.028	.0756	.0756	.0681	.0681	.1255	.0434
6	.033	.0537	.0537	.0462	.0462	.1342	.0464
7	.039	.0419	.0419	.0344	.0344	.0842	.0291
8	.044	.0343	.0343	.0268	.0268	.0319	.0588
9	.050	.0889	.0889	.0814	.0814	.0503	.1664
10	.056	.2250	.2250	.2174	.2174	.2311	.1472
11	.061	.4491	.4491	.4415	.4415	.4556	.2828
12	.067	1.4830	1.4830	1.4754	1.4754	1.5133	.9636
13	.072	2.1524	2.1524	2.1449	2.1449	2.2006	1.4012
14	.078	2.1335	2.1335	2.1059	2.1059	2.1787	1.3174
15	.083	1.6926	1.6926	1.6950	1.6950	1.7716	1.2654
16	.089	1.3265	1.3265	1.3190	1.3190	1.4025	2.5869
17	.094	1.1845	1.1845	1.1770	1.1770	1.2987	2.3937
18	.100	1.0598	1.0598	1.0522	1.0522	1.1079	2.2078
19	.106	.7681	.7681	.7605	.7605	1.4548	.7177
20	.111	.6586	.6586	.6511	.6511	.7995	.6091
21	.117	.5331	.5331	.5256	.5256	.6480	.4126
22	.122	.4994	.4994	.4919	.4919	.5223	.2495
23	.128	.3157	.3157	.3082	.3082	.4347	.0013
24	.133	.2750	.2750	.2675	.2675	.3078	.2533
25	.139	.1855	.1855	.1779	.1779	.2799	.5159
26	.144	.1839	.1839	.1763	.1763	.2462	.6423
27	.150	.1444	.1444	.1370	.1370	.2430	.4479
28	.156	.0888	.0888	.0793	.0793	.1499	.2753
29	.161	.0657	.0657	.0582	.0582	.1177	.2149
30	.167	.0517	.0517	.0441	.0441	.0958	.0810
31	.172	.0526	.0526	.0450	.0450	.1050	.0669
32	.178	.0559	.0559	.0483	.0483	.1217	.0775
33	.183	.0462	.0462	.0387	.0387	.1052	.0939
34	.189	.0385	.0385	.0310	.0310	.1083	.0581
35	.194	.0339	.0339	.0264	.0264	.0558	.0538
36	.200	.0301	.0301	.0226	.0226	.0787	.1451
37	.206	.0325	.0325	.0250	.0250	.0952	.1755
38	.211	.0339	.0339	.0264	.0264	.1151	.0350
39	.217	.0235	.0235	.0160	.0160	.0732	.1349
40	.222	.0142	.0142	.0066	.0066	.0355	.0618
41	.228	.0099	.0107	.0032	.0032	.0324	.0213
42	.233	.0081	.0087	.0012	.0012	.0073	.0134
43	.239	.0089	.0088	.0013	.0013	.0087	.0161
44	.244	.0092	.0093	.0018	.0018	.0134	.0085
45	.250	.0098	.0092	.0023	.0023	.0077	.0364
46	.256	.0109	.0108	.0031	.0031	.0250	.0534
47	.261	.0110	.0107	.0031	.0031	.0013	.0012
48	.267	.0095	.0096	.0022	.0022	.0264	.0447
49	.272	.0089	.0091	.0015	.0015	.0203	.0374
50	.278	.0092	.0090	.0014	.0014	.0165	.0364
51	.283	.0079	.0086	.0011	.0011	.0180	.0311
52	.289	.0092	.0094	.0019	.0019	.0362	.0667
53	.294	.0127	.0123	.0013	.0013	.0013	.1314
54	.300	.0106	.0105	.0030	.0030	.0752	.1385
55	.306	.0084	.0082	.0006	.0006	.0000	.0000
56	.311	.0074	.0072	.0000	.0000	.0000	.0000
57	.317	.0041	.0041	.0000	.0000	.0000	.0000
58	.322	.0039	.0048	.0000	.0000	.0000	.0000
59	.328	.0044	.0045	.0000	.0000	.0000	.0000
60	.333	.0054	.0050	.0000	.0000	.0000	.0000

