THE UNIVERSITY OF MICHIGAN
COLLEGE OF ENGINEERING
Department of Meteorology and Oceanography

Final Report

ATMOSPHERIC POLLUTION BY AEROALLERGENS: METEOROLOGICAL PHASE

(1 March 1962 to 28 February 1965)

Vol. III

Atmospheric Diffusion of Ragweed Pollen in Urban Areas: Tables

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TABLE A-1

1959 IN-SEASON EXPERIMENT OBSERVATION PERIODS

Date	Rotobars	Flags
Friday, August 21	Procedure Check	
Saturday, August 22	1145-1245	1143-1345
	1245-1345	
Wednesday, August 26	1057-1157	0930-1130
	1157-1257	1146-1346
Wednesday, September 02	1508-1608	1440-1640
	1608-1708	1640-1900
	1740-1859	1900-2025
	1859-1959	
Thursday, September 03	0815-0915	0800-1000
	0915-1015	1000-1200
	1030-1130	1200-1400
	1130-1230	1400-1600
	1246-1405	1600-1800
	1405-1505	1800-2000
	1523-1627	
	1627-1727	
	1742-1945	
	1945-2022	
Friday, September 04	1136-1236	1136-1401
	1236-1400	
Tuesday, September 08	1216-1355	1205-1405
	1355-1541	
Thursday, September 10	0722-0822	0737-0800
	0822-0925	0942-1005
Monday, September 14	1542-1648	
	1648-1749	

TABLE A-2

TEN-MINUTE WIND SPEED AVERAGES

(mph)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
August 21, 1959	1120	11.5	12.0	13.5	14.5
	1130	13.0	14.0	14.5	15.5
	1140	12.0	14.0	14.5	15.0
	1150	12.5	14.0	14.5	14.5
	1200	12.0	13.5	14.5	15.5
	1210	12.0	12.5	14.0	14.5
	1220	10.0	11.0	12.0	13.0
	1230	10.0	11.0	12.0	12.5
	1240	11.5	12.5	13.5	14.0
	1250	10.0	10.5	11.5	12.0
	1300	8.5	9.5	10.5	11.5
	1310	9.5	10.5	11.0	12.0
	1320	9.5	11.0	12.0	13.0
	1330	9.0	10.0	11.0	12.0
	1340	9.0	10.0	11.0	12.0
	1350	10.0	10.5	11.5	12.0
	1400	10.5	11.5	12.5	13.5
	1550	9.0	10.0	10.5	11.5
	1600	10.0	11.0	12.0	12.5
	1610	10.0	11.0	12.0	M
	1620	8.0	8.5	10.0	M
	1630	8.0	8.5	9.5	M
	1640	7.0	8.0	9.5	10.0
	1650	6.5	7.0	8.0	9.0
	1700	5.5	6.0	7.0	8.0
	1710	4.0	4.5	5.0	5.5
	1720	4.0	4.5	5.0	5.5
	1730	2.5	2.5	3.0	3.0
	1740	2.0	2.5	2.0	2.5
	1750	1.0	1.5	1.5	2.5
	1800	2.5	2.5	3.0	4.0
	1810	8.0	8.5	10.5	11.0
	1820	14.5	16.5	17.5	20.0

TABLE A-2 (Continued)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
August 21, 1959 (Continued)	1830	6.0	6.5	7.0	8.5
	1840	7.5	8.5	9.5	9.0
	1850	10.5	12.0	13.0	13.5
	1900	10.0	11.0	12.0	12.0
	1910	8.0	9.5	10.0	10.0
	1920	7.5	8.5	9.5	10.0
	1930	5.0	6.0	7.0	7.0
	1940	5.0	5.5	6.0	6.0
	1950	6.0	6.0	7.0	7.0
	2000	6.0	6.0	7.0	6.5
	2010	3.0	2.5	4.0	4.5
	2020	2.0	3.5	3.5	M
	2030	2.0	3.0	3.0	3.0
August 22, 1959	0950	3.5	4.5	4.0	4.5
	1000	4.0	4.5	4.5	5.0
	1010	3.5	4.0	4.0	4.0
	1020	4.0	4.5	4.5	5.0
	1030	3.0	3.0	3.5	4.0
	1040	4.0	4.5	5.0	5.0
	1050	3.0	3.0	3.5	4.0
	1100	3.0	3.0	3.0	4.0
	1110	3.5	4.0	4.0	M
	1120	3.5	4.0	4.5	M
	1130	5.0	5.0	5.5	M
	1140	5.0	6.0	6.0	M
	1150	5.5	6.0	7.5	6.0
	1200	7.0	7.5	8.0	9.5
	1210	7.5	8.0	9.5	10.0
	1220	8.0	8.5	9.5	M
	1230	7.5	8.0	9.0	10.0
	1240	10.0	11.0	11.5	12.0
	1250	10.0	11.0	12.0	13.0

TABLE A-2 (Continued)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
August 22, 1959 (Continued)	1300	9.5	10.5	11.5	13.0
	1310	12.0	12.5	14.0	14.5
	1320	11.5	12.5	14.0	14.5
	1330	9.0	10.0	11.0	12.0
	1340	8.5	10.0	10.0	11.0
	1350	8.5	10.0	10.0	11.5
	1400	8.0	10.0	10.5	11.5
	1410	7.5	9.0	10.0	10.5
	1420	7.5	8.0	9.0	10.0
	1430	8.0	8.5	10.0	11.0
	1440	9.5	10.5	11.5	12.5
	1450	9.5	10.5	11.5	13.0
	1550	6.0	6.5	7.5	9.0
August 24, 1959	1330	2.0	2.5	2.5	M
	1340	1.0	2.0	2.0	2.5
	1350	2.0	2.0	2.0	4.0
	1400	1.5	2.0	2.0	4.5
	1410	1.5	1.5	1.5	4.0
	1420	3.0	3.0	3.5	5.5
	1430	3.0	3.5	4.0	5.0
	1440	1.0	2.0	1.5	3.0
	1450	2.0	3.0	3.0	4.0
	1500	2.0	2.0	2.5	2.5
	1510	2.0	2.5	3.0	3.5
	1520	2.0	2.5	2.5	2.5
August 26, 1959	0930	8.0	9.5	10.0	11.0
	0940	10.0	11.0	12.0	M
	0950	11.0	11.5	13.0	M
	1000	7.5	8.0	9.5	11.5
	1010	8.5	9.5	10.5	12.0
	1100	8.5	9.0	10.0	11.5
	1110	11.0	12.0	7.0	14.0
	1120	8.0	9.5	10.0	12.0

TABLE A-2 (Continued)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
August 26, 1959 (Continued)	1130	8.5	9.5	10.0	11.0
	1140	10.0	11.0	12.0	13.0
	1150	9.0	10.0	11.0	12.0
	1200	10.0	11.0	12.0	12.0
	1210	8.0	9.0	10.0	10.5
	1220	7.0	7.0	8.0	8.5
	1230	11.0	12.5	13.5	14.0
	1240	10.0	11.5	13.0	13.5
	1250	10.5	11.0	13.0	13.5
	1300	11.5	13.0	14.0	14.5
	1310	11.0	12.5	14.0	14.5
	1320	10.0	11.5	12.5	13.0
August 27, 1959	1000	7.5	8.0	9.0	10.0
	1010	7.5	8.0	9.0	10.0
	1020	7.0	7.5	8.0	11.0
	1030	8.0	2.6	9.5	12.5
	1040	8.0	9.0	10.0	11.5
	1050	2.6	9.5	10.0	11.0
	1100	7.0	7.5	8.0	8.5
	1110	7.5	8.0	8.5	10.0
	1120	8.0	8.0	9.0	10.0
	1130	7.0	7.5	8.5	9.0
	1140	8.0	8.5	10.0	10.5
	1150	7.5	8.5	9.5	10.0
	1200	9.0	9.5	10.5	11.5
	1210	8.0	8.5	9.5	10.5
	1220	11.0	12.0	12.5	13.5
	1230	10.0	11.0	12.0	14.0
	1240	11.0	12.0	13.0	16.0
	1250	11.5	13.0	14.5	14.5
	1300	11.0	12.5	14.0	14.0
	1310	9.0	11.0	12.0	12.5
	1320	7.0	8.0	8.5	9.5

TABLE A-2 (Continued)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
August 27, 1959 (Continued)	1330	13.5	15.0	17.5	18.5
	1340	14.0	16.0	18.5	19.0
September 2, 1959	1400	12.5	13.5	15.0	16.0
	1410	10.0	11.0	12.5	13.0
	1420	10.5	11.0	11.5	13.0
	1430	8.0	9.5	10.5	11.5
	1440	10.5	11.0	12.0	13.5
	1450	8.0	9.0	11.0	12.0
	1500*	7.0	8.0	8.0	9.0
	1510	M	M	M	M
	1520	10.0	11.0	12.0	14.0
	1530	10.5	11.5	12.5	13.5
	1540	10.0	11.0	12.0	13.0
	1550	11.0	12.5	14.0	14.5
	1600	11.5	13.0	14.0	15.5
	1610	12.0	13.5	14.5	16.0
	1620	12.0	13.0	14.5	15.5
	1630	10.5	11.5	13.0	13.0
	1640	11.5	12.5	14.0	15.5
	1650	10.0	11.0	12.0	13.0
	1700	8.0	9.5	10.5	11.0
	1710	8.0	10.0	11.0	11.5
	1720	8.0	9.5	10.5	11.0
	1730	6.5	7.5	9.0	10.0
	1740	5.5	7.0	8.0	9.0
	1750	5.0	6.0	7.0	8.0
	1800	6.0	7.0	8.5	9.5
	1810	5.0	6.0	8.0	9.0
	1820	5.0	6.0	8.0	9.0
	1830	4.5	6.0	7.5	8.0
	1840	4.0	6.0	7.5	8.0

*From 1500 until 1530 the count is not very correct due to most of it being missing.

TABLE A-2 (Continued)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
September 2, 1959 (Continued)	1850	4.0	6.0	7.0	8.0
	1900	5.0	6.0	7.5	8.5
	1910	5.0	6.5	8.0	9.0
	1920	6.5	8.0	10.5	11.0
	2000	7.0	14.1	16.0	16.0
	2010	11.0	12.5	14.0	15.5
	2020	11.0	12.5	14.0	16.0
	2030	11.5	13.5	15.0	16.5
	2040	11.0	12.0	14.0	15.5
September 3, 1959	0700	3.0	4.5	6.0	7.0
	0710	4.0	5.5	7.0	7.5
	0720	M	M	M	M
	0800	5.5	6.0	6.5	7.0
	0810	5.5	6.0	6.5	7.0
	0820	6.5	7.0	7.5	8.0
	0830	7.0	7.5	8.0	8.5
	0840	7.0	8.0	8.5	9.0
	0850	7.5	8.5	9.5	10.0
	0900	6.0	6.0	7.0	7.0
	0910	6.0	7.0	7.5	7.5
	0920	5.5	6.0	6.5	7.0
	0930	M	M	M	M
	0940	7.5	8.0	9.0	9.5
	0950	8.0	8.5	9.5	10.0
	1000	9.5	10.0	11.0	12.0
	1010	11.0	11.5	12.5	13.5
	1020	11.5	12.5	14.0	15.0
	1030	10.5	11.5	13.0	14.0
	1040	10.0	11.0	6.0	12.5
	1050	10.5	11.5	12.0	13.0
	1100	10.5	11.5	13.0	14.0
	1110	11.0	11.5	12.5	13.0
	1120	11.5	12.5	13.5	14.0

TABLE A-2 (Continued)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
September 3, 1959 (Continued)	1130	8.0	8.5	10.0	10.0
	1230	12.0	13.0	14.5	15.0
	1240	11.0	11.5	12.5	13.0
	1250	9.0	10.0	11.0	11.5
	1300	11.0	11.5	12.0	13.0
	1310	10.0	10.5	11.5	12.0
	1320	10.0	11.0	11.5	12.0
	1330	10.0	11.0	12.0	12.5
	1340	10.0	10.5	11.5	12.0
	1350	8.0	9.5	10.0	11.0
	1400	10.0	10.1	11.5	12.0
	1410	8.5	10.0	10.5	11.0
	1420	11.0	12.5	13.5	14.5
	1430	11.0	12.0	13.0	14.0
	1440	11.0	12.0	13.0	13.5
	1450	11.0	12.0	13.5	14.0
	1500	10.0	11.0	12.0	12.5
	1510	9.5	10.5	11.0	12.0
	1520	10.0	10.5	12.0	12.5
	1530	8.5	10.0	11.0	12.0
	1540	9.0	10.0	11.0	12.0
	1550	11.0	12.0	13.0	14.0
	1600	10.0	11.0	12.0	13.0
	1610	9.5	10.5	11.5	12.0
	1620	9.5	10.5	11.5	12.0
	1630	7.5	8.0	9.5	10.0
	1640	7.5	8.0	9.5	10.0
	1650	8.5	10.0	11.0	11.5
	1700	7.5	8.5	10.0	11.0
	1710	8.0	9.5	10.5	11.5
	1720	8.0	8.5	11.0	12.0
	1730	6.5	8.0	9.5	10.0
	1740	6.0	7.0	8.0	8.0
	1750	6.0	8.0	9.5	10.0

TABLE A-2 (Concluded)

Date	Time Starting	Height 13'1"	24'5"	44'7"	65'10"
September 3, 1959 (Continued)	1800	6.0	7.5	9.0	10.0
	1810	5.0	7.0	8.0	9.0
	1820	5.0	6.0	8.0	8.0
	1830	5.0	7.0	8.0	8.5
	1840	5.5	7.0	8.0	8.5
	1850	5.0	6.5	7.5	8.0
	1900	5.5	6.5	8.0	8.0
	1910	5.5	7.0	8.5	9.5
	1920	6.0	7.0	8.0	9.0
	1930	6.0	7.5	8.5	9.5
	1940	6.0	8.0	9.0	10.0
	1950	6.0	8.0	10.0	11.0
	2000	6.5	8.0	10.1	11.0
	2010	6.0	8.0	10.0	11.0
September 4, 1959	1140	6.0	7.0	7.5	8.0
	1150	7.0	7.5	8.0	8.5
	1200	6.0	7.0	7.5	7.0
	1210	6.0	7.0	7.0	7.0
	1220	5.0	6.0	6.0	7.0
	1230	6.0	7.0	7.0	7.5
	1240	7.0	7.5	8.0	8.0

TABLE A-3

AVERAGE WIND DIRECTION FOR HALF-HOUR PRECEDING INDICATED TIME

(degrees)

Date and Hour	Direction	Date and Hour	Direction
August 21, 1959		September 2, 1959	
1200	245	1430	255
1230	245	1500	260
1300	245	1530	260
1330	245	1600	260
1400	245	1630	250
1430	250	1700	250
1500	250	1730	235
		1800	235
August 22, 1959		1830	223
1030	320	1900	217
1100	315	1930	215
1130	300	2000	260
1200	245		
1230	240	September 3, 1959	
1300	255	0730	220
1330	270	0800	225
1400	285	0830	240
1430	290	0900	240
1500	295	0930	240
		1000	245
August 26, 1959		1030	255
1000	255	1100	250
1030	260	1130	250
1100	255	1200	250
1130	245	1230	250
1200	230	1300	245
1230	215	1330	245
1300	195	1400	240
1330	205	1430	230
		1500	235
August 27, 1959		1530	240
1030	225	1600	235
1100	220	1630	225
1130	220	1700	220
1200	210	1730	220
1230	200	1800	205
1300	200	1830	190
1330	205	1900	186
1400	220	1930	183
		2000	183

TABLE A-3 (Concluded)

Date and Hour	Direction
September 4, 1959	
1200	215
1230	195
1300	205
1330	190
1400	190
September 8, 1959	
1230	220
1300	215
1330	205
1400	185
1430	185
1500	185
1530	180
September 10, 1959	
0730	300
0800	300
0830	305
0900	310
0930	305
September 14, 1959	
1600	220
1630	235
1700	230
1730	215

TABLE A-4

FLAG SAMPLER OBSERVATIONS—IN-SEASON EXPERIMENT 1959

August 21 Run #1

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	11.1	Count	783	923	-	913	-	757	1026	819	723	645
		Conc.	822	969		959		795	1077	860	759	672
16	10.8	Count	636	779	1054	643	731	514	608	731	1028	717
		Conc.	681	834	1128	688	782	550	651	782	1100	767
12	10.3	Count	688	731	802	862	939	658	589	892	-	610
		Conc.	763	811	890	957	1042	730	654	990		677
8	9.5	Count	793	643	807	673	766	581	503	869	606	470
		Conc.	960	778	976	814	927	703	609	1051	733	569
6	8.9	Count	794	724	683	852	703	486	549	712	676	515
		Conc.	1056	963	908	1133	940	646	730	947	899	685
4	8.3	Count	745	521	660	779	766	383	563	669	712	549
		Conc.	1088	761	964	1137	1118	559	822	977	1040	802
2	7.1	Count	677	437	509	522	609	604	469	458	392	391
		Conc.	1192	769	896	919	1072	1063	825	806	690	688
1	5.8	Count	499	345	421	336	361	349	329	390	366	421
		Conc.	1098	759	926	739	794	768	724	858	805	926
		Average	958	831	955	918	954	727	762	909	861	723

TABLE A-4 (Continued)

August 22 Run #1

Height	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	4.1	Count	672	636	583	664	633	615	581	765	639	799
		Conc.	2352	2226	2041	2324	2216	2153	2034	2678	2237	2797
16	4.0	Count	563	596	700	590	545	428	580	566	538	689
		Conc.	2027	2146	2520	2124	1962	1541	2088	2038	1937	2480
12	3.8	Count	628	713	601	566	509	621	557	605	636	735
		Conc.	2437	2766	2332	2196	1975	2409	2161	2347	2468	2852
8	3.5	Count	498	530	612	521	440	339	474	627	673	729
		Conc.	2231	2374	2742	2334	1971	1519	2124	2809	3015	3266
6	3.3	Count	506	592	510	639	503	539	536	603	698	759
		Conc.	2393	2800	2412	3022	2379	2549	2535	2852	3302	3590
4	3.1	Count	473	570	407	470	343	451	498	576	721	808
		Conc.	2436	2936	2096	2420	1766	2323	2565	2966	3713	4161
2	2.6	Count	318	227	404	263	464	429	442	437	615	639
		Conc.	2226	1589	2828	1841	3248	3003	3094	3059	4305	4473
1	2.2	Count	-	292	264	219	356	215	262	371	410	423
		Conc.	-	2570	2323	1927	3133	1892	2306	3265	3608	3722
		Average	2300	2426	2412	2274	2331	2174	2363	2752	3073	3418

TABLE A-4 (Continued)

August 22 Run #2

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	9.9	Count	366	619	281	340	313	363	317	264	317	257
		Conc.	428	725	329	398	366	425	371	309	371	301
16	9.5	Count	443	254	351	301	326	335	272	265	233	258
		Conc.	536	307	425	364	394	405	329	321	282	312
12	9.0	Count	314	270	303	233	350	281	227	224	245	276
		Conc.	411	354	397	305	459	368	297	293	321	362
8	8.4	Count	263	292	281	145	325	-	215	227	230	189
		Conc.	376	418	402	207	465	-	307	325	329	270
6	7.8	Count	290	164	253	210	248	212	206	169	286	185
		Conc.	458	259	400	332	392	335	325	267	452	292
4	7.2	Count	210	135	177	228	186	199	201	188	178	210
		Conc.	363	234	306	394	322	344	347	325	308	363
2	6.0	Count	159	132	179	146	143	247	183	122	123	150
		Conc.	342	284	385	314	307	531	393	262	264	323
1	4.8	Count	145	120	117	109	113	84	125	85	77	125
		Conc.	402	332	324	302	313	233	346	235	213	346
		Average	415	364	371	327	377	377	339	292	318	321

TABLE A-4 (Continued)

August 26 Run #1

HEIGHT (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	9.7	Count	3319	2841	2536	4071	3045	2973	2802	2731	2789	3095
		Conc.	3883	3409	3043	4885	3654	3568	3362	3277	3347	3714
16	9.4	Count	2800	2693	3210	3401	3095	2850	3203	2984	2906	3595
		Conc.	3444	3312	3948	4183	3807	3506	3940	3670	3574	4422
12	9.0	Count	2737	2955	2828	2845	3238	2659	3143	3038	2957	3160
		Conc.	3585	3871	3705	3727	4242	3483	4117	3980	3874	4140
8	8.3	Count	2678	2670	2521	3153	2610	2193	2700	3247	2887	3600
		Conc.	3910	3898	3681	4603	3811	3202	3942	4741	4215	5256
6	7.9	Count	2108	1941	2267	2949	2131	2570	2971	3767	2961	2766
		Conc.	3267	3009	3514	4571	3303	3984	4605	5839	4590	4287
4	7.2	Count	2097	2277	2506	2644	2507	2709	3046	2977	2561	3485
		Conc.	3628	3939	4335	4574	4337	4687	5270	5150	4431	6029
2	6.1	Count	1632	1939	1616	1741	1948	2179	1986	2636	2445	2810
		Conc.	3427	4072	3394	3656	4091	4576	4171	5536	5135	5901
1	5.0	Count	1358	1107	1270	1425	1436	1362	1622	1916	1647	2190
		Conc.	3598	2933	3365	3776	3805	3609	4298	5077	4365	5804
		Average	3467	3555	3623	4247	3881	3827	4213	4659	4191	4944

TABLE A-4 (Continued)

August 26 Run #2

HEIGHT (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	10.5	Count	1470	1465	1600	2215	1820	1610	1910	1585	2220	1760
		Conc.	1617	1612	1760	2437	2002	1771	2101	1744	2442	1936
16	10.1	Count	1510	2010	1335	1485	1015	1510	1845	1780	2760	1685
		Conc.	1721	2291	1522	1693	1157	1721	2103	2029	3146	1921
12	9.6	Count	-	1975	1435	1370	1580	1505	2340	1995	1600	1765
		Conc.	-	2370	1722	1644	1896	1806	2808	2394	1992	2118
8	8.8	Count	1339	1560	1315	1220	1375	1400	1350	2070	1475	2125
		Conc.	1808	2106	1775	1647	1856	1890	1823	2795	1991	2869
6	8.3	Count	488	1145	1485	1365	1480	1520	1605	1465	1770	1655
		Conc.	712	1672	2168	1993	2161	2219	2343	2139	2584	2416
4	7.5	Count	1054	1315	1170	1335	1285	970	1175	1315	1440	1940
		Conc.	1739	2170	1931	2203	2120	1601	1939	2170	2376	3201
2	6.3	Count	883	895	915	800	1155	1230	1110	975	1525	1625
		Conc.	1766	1790	1830	1600	2310	2460	2220	1950	3050	3250
1	5.0	Count	633	585	760	715	740	640	890	763	986	1095
		Conc.	1677	1550	2014	1895	1961	1696	2359	2022	2613	2902
		Average	1577	1945	1840	1889	1933	1896	2212	2155	2524	2577

TABLE A-4 (Continued)

August 27 Run #1

HEIGHT (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	9.5	Count	2305	1990	1795	2000	2320	2555	2320	2120	3190	1905
		Conc.	2789	2407	2172	2420	2807	3092	2807	2565	3860	2305
16	9.2	Count	1865	1935	2100	2004	2460	2300	2255	2285	2385	2065
		Conc.	2406	2496	2709	2585	3173	2967	2908	2948	3077	2664
12	8.7	Count	2100	2055	1840	2175	1990	2160	2405	2560	2320	2745
		Conc.	2898	2836	2539	3002	2746	2981	3319	3533	3202	3788
8	8.1	Count	1700	2105	2230	2110	1570	-	1845	2125	2120	2170
		Conc.	2550	3158	3345	3165	2355	-	2768	3188	3180	3255
6	7.6	Count	2095	1695	1590	1800	1545	1725	1935	2105	1880	2405
		Conc.	3373	2729	2560	2898	2487	2777	3115	3389	3027	3872
4	7.0	Count	1575	1480	1210	1715	1460	1615	1530	1800	2740	2245
		Conc.	2819	2649	2166	3070	2613	2891	2739	3222	4905	4019
2	5.9	Count	1185	1195	1130	1175	1206	1355	1545	1390	1790	1820
		Conc.	2571	2593	2452	2550	2617	2940	3353	3016	3884	3949
1	4.9	Count	810	900	1015	750	776	780	955	960	1120	1055
		Conc.	2195	2448	2761	2040	2111	2122	2598	2611	3046	2870
		Average	2700	2665	2588	2716	2614	2824	2951	3059	3523	3340

TABLE A-4 (Continued)

September 2 Run #1

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	11.1	Count	391	461	335	439	336	451	380	414	407	448
		Conc.	411	484	352	461	353	474	399	435	427	470
16	10.6	Count	381	375	441	468	397	396	529	604	484	454
		Conc.	415	409	481	510	433	432	577	658	528	495
12	10.1	Count	361	379	375	408	411	318	456	478	481	563
		Conc.	412	432	428	465	469	363	520	545	548	642
8	9.4	Count	-	427	457	338	-	419	348	410	478	451
		Conc.	-	525	562	416	-	515	428	504	588	555
6	8.9	Count	-	363	339	434	374	346	438	402	487	426
		Conc.	-	483	451	577	497	460	583	535	648	567
4	8.1	Count	299	351	347	373	438	367	382	377	547	442
		Conc.	449	527	521	560	717	551	573	566	821	663
2	6.8	Count	220	206	226	-	324	296	298	356	436	354
		Conc.	400	375	411	-	590	539	542	648	794	644
1	5.5	Count	-	195	152	196	192	178	183	267	337	299
		Conc.	-	460	359	463	453	420	432	866	795	706
		Average	417	462	446	493	502	469	507	595	644	593

TABLE A-4 (Continued)

September 2 Run #2

HEIGHT (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	7.3	Count	156	187	240	202	270	210	199	203	186	184
		Conc.	265	318	408	343	459	357	338	345	316	313
16	6.8	Count	172	167	222	132	182	193	-	161	161	170
		Conc.	313	304	404	240	331	351	-	293	293	309
12	6.2	Count	146	198	201	167	183	174	199	146	157	163
		Conc.	299	406	412	322	375	357	408	299	322	334
8	5.3	Count	147	113	192	151	153	162	166	142	107	117
		Conc.	365	280	476	375	380	402	412	352	265	290
6	4.7	Count	126	139	144	143	142	125	122	131	107	114
		Conc.	363	400	415	412	409	360	351	377	308	328
4	3.8	Count	128	96	108	142	151	112	111	105	113	98
		Conc.	497	373	419	551	586	435	431	407	438	380
2	2.4	Count	86	76	129	105	74	69	86	57	57	69
		Conc.	662	585	993	809	814	531	662	439	439	531
1	0.8	Count	58	51	70	56	49	58	51	39	60	83
		Conc.	3770	3315	4550	3640	3185	3770	3315	2535	3900	5395
		Average	817	748	1010	837	817	820	845	631	785	985

TABLE A-4 (Continued)

September 2 Run #3

HEIGHT (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	10.6	Count	716	634	660	521	-	525	533	710	512	702
		Conc.	780	691	719	568	-	572	581	774	558	765
16	10.0	Count	753	564	574	660	526	448	581	538	525	591
		Conc.	866	649	660	759	605	515	668	619	604	680
12	8.9	Count	614	586	561	481	556	604	582	552	350	594
		Conc.	817	779	746	640	740	803	774	734	466	790
8	8.0	Count	595	543	463	522	564	479	540	449	509	542
		Conc.	899	820	699	788	837	723	815	678	769	818
6	7.2	Count	488	509	490	505	436	541	413	480	507	468
		Conc.	844	881	848	874	754	936	715	830	877	810
4	6.0	Count	463	427	455	411	421	467	417	459	482	481
		Conc.	996	918	978	884	905	1004	897	987	1036	1034
2	4.0	Count	308	343	304	292	351	326	347	380	297	334
		Conc.	1109	1235	1094	1051	1264	1174	1249	1368	1069	1202
1	9.9	Count	265	236	204	219	262	208	242	316	200	286
		Conc.	2624	2336	2020	2168	2594	2059	2396	3128	1980	2831
		Average	1117	1039	971	967	1100	973	1012	1140	920	1116

TABLE A-4 (Continued)

September 3 Run #1

HEIGHT (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	7.0	Count	1860	1745	2145	1035	1870	2810	2000	2580	3140	3965
		Conc.	3329	3124	3840	1853	3347	5030	3580	4618	5621	7097
16	6.8	Count	1830	1585	1285	2045	2460	2890	2910	3555	4185	4320
		Conc.	3331	2885	2339	3722	4477	5260	5296	6470	7617	7862
12	6.4	Count	1715	1330	1565	2190	2075	2260	3955	-	4340	5310
		Conc.	3413	2647	3114	4358	4129	4497	7871	-	8637	10567
8	6.0	Count	1387	2015	2165	3255	2035	2335	2750	3945	4555	5140
		Conc.	2982	4332	4655	6998	4375	5020	5913	8482	9793	11051
6	5.7	Count	1534	1190	1115	2585	2370	3230	3260	3680	4150	4445
		Conc.	3469	2689	2520	5842	5356	7300	7368	8317	9379	10046
4	5.3	Count	1386	1235	1145	1710	1850	2935	2865	2980	4820	5640
		Conc.	3437	3063	2840	4241	4588	7279	7105	7390	11954	13987
2	4.6	Count	1024	1015	1615	1670	1610	1770	3125	3335	2740	4320
		Conc.	3011	2984	4748	4910	4733	5204	9188	9805	8056	12700
1	3.8	Count	818	845	980	1330	1430	1535	2315	1750	2940	4605
		Conc.	3174	3279	3802	5160	5548	5956	8982	6790	11407	17867
		Average	3268	3125	3482	4636	4569	5693	6913	7410	9058	11397

TABLE A-4 (Continued)

September 3 Run #2

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	11.0	Count	1855	1560	1860	1270	480	1470	780	1720	1185	1515
		Conc.	1948	1638	1953	1334	504	1544	819	1806	1244	1591
16	10.6	Count	1370	1955	1810	2070	1600	1595	2055	1970	2005	1325
		Conc.	1493	2141	1973	2256	1744	1739	2240	2147	2186	1444
12	10.2	Count	1485	1205	1895	1690	1915	1420	1770	1675	1675	1805
		Conc.	1663	1350	2122	1893	2145	1590	1982	1876	1876	2022
8	9.6	Count	1220	1770	1675	1625	1860	1585	1470	1895	1040	2400
		Conc.	1464	2124	2010	1950	2232	1902	1764	2274	1248	2880
6	9.0	Count	1655	1140	1825	1935	1625	1550	1375	2320	2090	2520
		Conc.	2168	1493	2391	2535	2129	2031	1801	3039	2738	3301
4	7.3	Count	1055	1740	1675	1735	1965	1295	1760	2140	1980	1825
		Conc.	1794	2958	2848	2950	3341	2202	2992	3638	3366	3103
2	7.0	Count	1400	1380	1275	1275	720	1450	885	960	1840	2255
		Conc.	2578	2470	2283	2283	1289	2596	1584	1718	3294	4037
1	6.2	Count	755	740	1075	1150	850	1030	1300	1415	1300	1600
		Conc.	1548	1517	2204	2358	1743	2112	2665	2901	2665	3280
		Average	1832	1961	2223	2195	1891	1965	1981	2425	2327	2707

TABLE A-4 (Continued)

September 3 Run #3

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	10.7	Count	447	637	-	318	269	699	632	785	705	573
		Conc.	483	688	-	343	291	755	683	848	761	619
16	10.3	Count	530	530	87	299	378	614	775	638	905	536
		Conc.	588	588	97	332	420	682	860	708	1005	595
12	9.9	Count	582	522	313	263	328	552	494	753	795	716
		Conc.	681	611	366	308	384	646	578	881	930	838
8	9.2	Count	598	458	65	381	279	382	558	594	865	790
		Conc.	771	591	84	492	360	493	720	766	1116	1019
6	8.8	Count	496	446	117	81	281	278	539	749	645	825
		Conc.	670	602	158	109	380	377	728	1011	871	1114
4	8.1	Count	-	513	345	322	115	172	-	632	760	840
		Conc.	-	770	518	483	173	258	-	948	1140	1260
2	7.1	Count	401	413	237	240	288	422	446	459	645	640
		Conc.	706	727	417	422	507	743	785	808	1135	1126
1	6.0	Count	474	232	184	242	113	246	186	369	400	455
		Conc.	1019	499	396	520	243	529	400	793	860	978
		Average	703	635	291	376	345	560	679	845	977	944

TABLE A-4 (Continued)

September 3 Run #4

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	10.7	Count	364	352	344	364	314	284	457	368	326	416
		Conc.	393	380	372	393	339	307	494	397	352	449
16	10.3	Count	327	375	235	286	449	358	411	408	351	344
		Conc.	363	416	261	318	498	393	456	453	390	382
12	9.8	Count	332	317	361	362	398	381	419	327	383	438
		Conc.	395	377	430	431	474	453	499	389	456	521
8	9.0	Count	320	307	248	301	341	357	304	329	400	420
		Conc.	419	402	325	394	447	468	398	431	524	550
6	8.5	Count	278	256	298	287	380	354	315	336	379	383
		Conc.	395	364	423	408	540	503	447	477	538	544
4	7.7	Count	300	314	232	242	249	241	314	333	322	353
		Conc.	480	502	371	387	398	386	502	533	515	565
2	6.4	Count	243	266	148	218	106	263	255	275	285	277
		Conc.	484	529	295	434	211	523	508	547	567	551
1	5.2	Count	171	123	140	141	166	137	209	199	196	228
		Conc.	431	310	353	355	418	462	527	502	494	575
		Average	420	410	354	390	416	437	479	466	480	517

TABLE A-4 (Continued)

September 3 Run #5

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	8.8	Count	260	255	219	277	246	225	191	239	293	181
		Conc.	351	344	296	374	332	304	258	333	396	244
16	8.4	Count	187	244	217	221	212	211	227	259	257	218
		Conc.	267	349	310	316	303	302	325	370	368	312
12	7.8	Count	192	205	231	241	196	248	210	187	232	215
		Conc.	303	324	365	381	310	392	332	295	367	340
8	7.0	Count	165	158	190	169	175	190	161	198	-	210
		Conc.	295	283	340	303	313	340	288	354	-	376
6	6.5	Count	158	156	167	225	154	142	186	119	124	167
		Conc.	308	304	326	439	300	277	363	232	242	326
4	5.7	Count	162	143	153	157	146	178	192	162	169	196
		Conc.	366	323	346	355	330	402	434	366	382	443
2	4.4	Count	129	98	101	97	106	99	116	131	139	75
		Conc.	393	299	308	296	323	302	354	400	424	229
1	3.1	Count	64	74	96	63	63	47	56	82	70	98
		Conc.	330	381	494	324	324	242	288	422	361	505
		Average	327	326	348	349	317	320	330	347	349	347

TABLE A-4 (Continued)

September 3 Run #6

Height (Ft.)	Wind Speed (mph)	Pollen	A	B	C	D	E	F	G	H	I	J
20	6.6	Count	169	167	162	171	140	178	148	170	158	151
		Conc.	321	317	308	325	266	340	281	323	300	287
16	6.0	Count	39	127	135	131	116	161	127	135	153	115
		Conc.	84	273	290	282	249	346	273	290	329	247
12	5.3	Count	130	120	95	116	135	110	96	140	109	75
		Conc.	322	298	236	288	335	273	238	347	270	186
8	4.2	Count	106	83	146	126	96	105	86	91	77	57
		Conc.	354	277	488	421	321	351	287	304	257	190
6	3.5	Count	65	127	80	99	78	84	90	87	86	89
		Conc.	291	569	358	444	349	376	403	390	385	399
4	2.4	Count	73	89	62	67	80	30	43	47	41	59
		Conc.	562	685	477	516	616	231	331	362	316	454
2	0.7	Count	58	29	44	52	34	23	36	40	44	29
		Conc.	4930	2465	3740	4420	2890	1955	3060	3400	3740	2465
1	None Given	Count	25	36	58	25	23	0	24	20	27	22
		Conc.	None Given									
		Average	858	698	842	942	718	553	696	774	800	604

TABLE A-4 (Continued)

September 4 Run #1

Height (Ft.)	Pollen	A	B	C	D	E	F	G	H	I	J
20	Count	453	483	488	454	459	638	522	445	-	551
16	Count	465	491	492	587	479	611	554	605	377	617
12	Count	547	520	482	462	510	462	616	521	493	491
8	Count	578	399	454	434	418	482	415	474	478	562
6	Count	491	459	431	453	436	476	413	517	422	577
4	Count	309	354	385	448	428	307	512	391	524	615
2	Count	271	342	319	271	272	325	369	262	383	390
1	Count	193	192	217	211	213	195	210	290	290	320

TABLE A-4 (Continued)

September 8 Run #1

Height (Ft.)	Pollen	A	B	C	D	E	F	G	H	I	J
20	Count	218	325	213	213	123	254	264	286	251	350
16	Count	231	256	250	142	224	285	199	280	281	276
12	Count	225	223	276	198	221	232	281	264	279	400
8	Count	188	174	205	222	214	208	257	266	280	285
6	Count	119	185	201	229	212	154	191	227	202	290
4	Count	152	167	178	144	205	185	207	283	198	308
2	Count	49	125	159	99	113	138	143	198	176	292
1	Count	41	70	95	67	63	108	76	114	117	206

TABLE A-4 (Concluded)

September 10 Run #1

Height (Ft.)	Pollen	A	B	C	D	E	F	G	H	I	J
20	Count	256	326	417	413	302	441	536	287	458	307
16	Count	252	466	386	260	234	364	445	285	396	597
12	Count	431	378	410	331	403	486	524	313	541	378
8	Count	407	360	465	511	340	442	421	515	485	353
6	Count	304	522	326	473	372	469	659	187	463	487
4	Count	275	487	243	232	512	394	470	393	M	581
2	Count	293	329	590	237	421	473	555	670	601	698
1	Count	201	427	500	318	421	316	454	578	728	741

TABLE A-5

ROTOBAR OBSERVATIONS—IN-SEASON EXPERIMENT 1959

Tower	Height (m)	August 21-Run #1 Total Grains	August 21-Run #1 Single Grains	August 21-Run #2 Total Grains	August 21-Run #2 Single Grains
A	20	460	384	M	M
	16	579	509	30	M
	12	462	397	42	M
	8	M	M	499	402
	4	523	499	604	559
	1.83	M	M	1303	1219
	0.61	462	412	787	717
B	20	529	438	3	M
	16	344	315	65	M
	12	420	361	25	M
	8	M	M	619	530
	4	380	339	503	445
	1.83	M	M	659	592
	0.61	421	381	522	468

TABLE A-5 (Continued)

Tower	Height (m)	August 22-Run #1 Total Grains	August 22-Run #1 Single Grains	August 22-Run #2 Total Grains	August 22-Run #2 Single Grains
A	20	471	371	255	209
	16	467	372	263	225
	12	533	468	333	277
	8	536	456	245	215
	4	501	426	302	243
	1.83	617	565	324	284
	0.61	251	190	285	240
B	20	M	M	3	M
	16	159	148	15	M
	12	410	344	15	M
	8	413	338	328	276
	4	586	515	291	254
	1.83	961	778	264	234
	0.61	885	746	347	303
C	20	392	322	280	220
	16	409	344	25	M
	12	447	402	333	258
	8	517	443	320	272
	4	373	307	242	229
	1.83	423	381	308	242
	0.61	325	287	274	247

TABLE A-5 (Continued)

Tower	Height (m)	August 26-Run #1 Total Grains	August 26-Run #1 Single Grains	August 26-Run #2 Total Grains	August 26-Run #2 Single Grains
A	20	1156	979	1153	980
	16	1723	1449	1239	1016
	12	1397	1184	1075	913
	8	1219	1070	605	472
	4	1357	1230	620	540
	1.83	1205	1035	549	481
	0.61	82	78	577	522
B	20	228	184	69	64
	16	584	512	327	293
	12	565	479	412	340
	8	1066	915	718	633
	4	1639	1408	1280	1090
	1.83	3060	2110	835	691
	0.61	1527	1297	740	615
C	20	476	414	605	458
	16	606	531	M	M
	12	M	M	M	M
	8	736	661	M	M
	4	973	838	653	534
	1.83	493	440	896	730
	0.61	M	M	595	533

TABLE A-5 (Continued)

Tower	Height (m)	August 27-Run #1 Total Grains	August 27-Run #1 Single Grains	August 27-Run #2 Total Grains	August 27-Run #2 Single Grains
A	20	505	407	M	M
	16	493	394	1256	1032
	12	370	347	1094	890
	8	435	364	871	703
	4	515	421	997	825
	1.83	370	299	908	699
	0.61	384	333	997	850
B	20	10	5	4	4
	16	9	9	10	10
	12	4	4	10	10
	8	1053	837	1220	940
	4	1263	992	1645	1315
	1.83	1927	1546	2085	1455
	0.61	1826	1377	1762	1348
C	20	1469	1146	1036	983
	16	1516	1142	1148	942
	12	1528	1160	1470	1260
	8	1639	1303	948	869
	4	M	M	1011	826
	1.83	1476	1132	1222	1003
	0.61	907	816	2025	1950

TABLE A-5 (Continued)

Tower	Height (m)	September 2-Run #1 Total Grains	September 2-Run #1 Single Grains	September 2-Run #2 Total Grains	September 2-Run #2 Single Grains
A	20	M	M	M	M
	16	187	160	112	99
	12	M	M	132	120
	8	192	160	161	134
	4	237	209	129	113
	1.83	242	201	150	133
	0.61	266	238	192	161
B	20	97	93	141	122
	16	99	88	108	101
	12	167	156	145	122
	8	162	141	303	284
	4	251	221	149	128
	1.83	334	296	382	340
	0.61	322	309	10	10
C	20	160	138	131	125
	16	153	127	153	133
	12	109	103	127	107
	8	210	184	158	142
	4	170	140	134	126
	1.83	190	170	144	132
	0.61	199	185	132	114

TABLE A-5 (Continued)

Tower	Height (m)	September 2-Run #3 Total Grains	September 2-Run #3 Single Grains	September 2-Run #4 Total Grains	September 2-Run #4 Single Grains
A	20	263	215	263	201
	16	231	221	212	171
	12	258	235	202	195
	8	273	253	227	210
	4	278	251	218	174
	1.83	261	242	201	166
	0.61	271	222	223	197
B	20	284	248	219	203
	16	199	165	233	229
	12	204	172	292	246
	8	254	220	272	239
	4	229	195	342	306
	1.83	231	219	425	356
	0.61	195	180	354	341
C	20	231	208	264	232
	16	271	236	341	291
	12	215	195	341	280
	8	260	215	485	423
	4	241	214	296	254
	1.83	153	134	257	228
	0.61	195	165	271	241

TABLE A-5 (Continued)

Tower	Height (m)	September 3-Run #1 Total Grains	September 3-Run #1 Single Grains	September 3-Run #2 Total Grains	September 3-Run #2 Single Grains
A	20	1030	870	758	641
	16	1025	805	910	615
	12	1150	927	930	750
	8	998	784	659	548
	4	784	689	831	727
	1.83	1480	990	892	750
	0.61	1290	1131	880	725
B	20	1270	1110	925	840
	16	1130	900	795	690
	12	1700	1375	1245	1155
	8	1503	1179	2750	2280
	4	4505	3590	1100	970
	1.83	5940	4189	3990	3135
	0.61	7290	4790	3520	2790
C	20	685	550	347	288
	16	725	645	1315	1075
	12	2045	1645	885	710
	8	1985	1660	1180	1005
	4	1440	1315	1415	1210
	1.83	756	629	580	510
	0.61	1255	1120	1235	1065

TABLE A-5 (Continued)

Tower	Height (m)	September 3-Run #3 Total Grains	September 3-Run #3 Single Grains	September 3-Run #4 Total Grains	September 3-Run #4 Single Grains
A	20	256	231	208	198
	16	277	251	125	105
	12	163	152	304	288
	8	293	258	352	298
	4	416	356	M	M
	1.83	476	420	393	286
	0.61	684	608	560	509
B	20	395	346	224	200
	16	426	371	339	296
	12	420	391	343	305
	8	524	463	459	400
	4	698	615	431	396
	1.83	1292	1243	828	779
	0.61	819	715	900	813
C	20	454	391	327	293
	16	369	328	308	264
	12	333	285	289	251
	8	137	131	359	327
	4	134	132	361	320
	1.83	531	466	229	217
	0.61	516	465	290	276

TABLE A-5 (Continued)

Tower	Height (m)	September 3-Run #5 Total Grains	September 3-Run #5 Single Grains	September 3-Run #6 Total Grains	September 3-Run #6 Single Grains
A	20	M	M	M	M
	16	337	299	195	175
	12	311	280	166	139
	8	286	248	208	186
	4	301	269	182	159
	1.83	247	214	151	144
	0.61	285	247	210	193
B	20	305	275	213	196
	16	273	245	171	155
	12	363	338	284	247
	8	362	317	236	207
	4	466	426	188	179
	1.83	355	313	285	260
	0.61	632	558	301	267
C	20	343	280	247	233
	16	377	330	24	217
	12	403	349	230	201
	8	396	378	331	287
	4	430	398	210	184
	1.83	128	348	69	230
	0.61	334	299	249	275

TABLE A-5 (Continued)

Tower	Height (m)	September 3-Run #7 Total Grains	September 3-Run #7 Single Grains	September 3-Run #8 Total Grains	September 3-Run #8 Single Grains
A	20	189	174	169	147
	16	188	171	216	192
	12	182	153	155	138
	8	173	159	164	156
	4	191	166	249	216
	1.83	200	183	202	188
	0.61	112	106	204	191
B	20	173	161	200	170
	16	181	147	180	149
	12	200	175	185	169
	8	226	201	212	182
	4	232	211	240	196
	1.83	221	205	214	197
	0.61	335	307	221	205
C	20	174	166	183	166
	16	178	158	172	167
	12	156	140	175	167
	8	185	175	130	123
	4	148	139	222	202
	1.83	M	M	30	23
	0.61	141	137	174	155

TABLE A-5 (Continued)

Tower	Height (m)	September 3-Run #9 Total Grains	September 3-Run #9 Single Grains	September 3-Run #10 Total Grains	September 3-Run #10 Single Grains
A	20	310	275	123	104
	16	238	202	131	116
	12	293	251	109	98
	8	226	202	114	109
	4	107	105	151	134
	1.83	250	223	111	102
	0.61	212	190	114	110
B	20	301	263	112	99
	16	197	164	106	97
	12	240	213	134	120
	8	224	215	116	104
	4	337	306	96	89
	1.83	87	242	128	106
	0.61	189	178	85	73
C	20	227	211	161	142
	16	287	246	186	170
	12	286	239	109	97
	8	290	265	139	127
	4	227	185	181	155
	1.83	110	102	11	129
	0.61	153	145	107	101

TABLE A-5 (Continued)

Tower	Height (m)	September 4-Run #1 Total Grains	September 4-Run #1 Single Grains	September 4-Run #2 Total Grains	September 4-Run #2 Single Grains
A	20	415	334	498	403
	16	452	363	487	392
	12	344	276	558	459
	8	433	371	567	451
	4	472	406	536	470
	1.83	433	357	368	332
	0.61	446	381	473	413
B	20	461	352	550	466
	16	M	M	400	335
	12	425	333	636	544
	8	516	425	522	432
	4	661	524	554	473
	1.83	934	772	M	M
	0.61	886	708	742	629
C	20	298	275	434	361
	16	361	289	M	M
	12	290	250	569	467
	8	314	269	588	509
	4	337	271	520	433
	1.83	340	269	483	398
	0.61	169	142	401	348

TABLE A-5 (Continued)

Tower	Height (m)	September 8-Run #1 Total Grains	September 8-Run #1 Single Grains	September 8-Run #2 Total Grains	September 8-Run #2 Single Grains
A	20	344	299	317	236
	16	297	271	333	290
	12	329	278	274	201
	8	362	313	368	291
	4	340	286	202	163
	1.83	331	285	204	185
	0.61	326	274	241	215
B	20	360	287	330	305
	16	304	230	279	218
	12	352	459	326	285
	8	361	292	245	189
	4	428	380	195	171
	1.83	605	509	329	278
	0.61	456	438	311	285
C	20	334	279	269	239
	16	170	156	9	7
	12	338	296	250	215
	8	325	247	206	175
	4	439	338	250	221
	1.83	299	228	260	210
	0.61	393	339	200	170

TABLE A-5 (Continued)

Tower	Height (m)	September 10-Run #1 Total Grains	September 10-Run #1 Single Grains	September 10-Run #2 Total Grains	September 10-Run #2 Single Grains
A	20	149	141	95	87
	16	M	M	124	118
	12	189	179	137	125
	8	226	218	142	132
	4	262	237	193	183
	1.83	314	292	168	155
	0.61	231	219	158	147
B	20	M	M	35	35
	16	M	M	122	118
	12	160	158	111	107
	8	215	202	160	154
	4	324	318	191	183
	1.83	558	515	313	290
	0.61	490	444	264	249
C	20	128	115	48	46
	16	266	243	4	2
	12	139	128	52	47
	8	94	88	47	45
	4	122	116	40	40
	1.83	73	68	129	119
	0.61	16	16	66	66

TABLE A-5 (Continued)

Tower	Height (m)	September 14-Run #1 Total Grains	September 14-Run #1 Single Grains	September 14-Run #2 Total Grains	September 14-Run #2 Single Grains
A	20	28	28	26	20
	16	38	38	35	31
	12	40	36	43	37
	8	92	88	54	46
	4	55	43	44	44
	1.83	34	32	94	92
	0.61	26	26	67	60
B	20	37	31	36	34
	16	54	48	30	28
	12	30	23	42	37
	8	44	38	43	37
	4	45	39	53	40
	1.83	16	12	56	50
	0.61	60	56	52	41
C	20	0	0	1	1
	16	0	0	1	1
	12	0	0	1	1
	8	0	0	1	1
	4	5	5	1	1
	1.83	0	0	5	3
	0.61	0	0	1	1

TABLE A-5 (Concluded)

Tower	Height (m)	September 14- Run #3 Total Grains	Single Grains
A	20	22	22
	16	50	42
	12	40	36
	8	45	33
	4	40	31
	1.83	34	32
	0.61	40	32
B	20	46	33
	16	45	35
	12	38	36
	8	42	40
	4	26	26
	1.83	23	21
	0.61	50	38
C	20	0	0
	16	2	2
	12	0	0
	8	2	2
	4	0	0
	1.83	0	0
	0.61	0	0

TABLE A-6

GROUND LEVEL PROFILE—IN-SEASON EXPERIMENT 1959

September 3

Height (in)	Run #1 Total Grains	Run #1 Single Grains	Run #2 Total Grains	Run #2 Single Grains	Run #3 Total Grains	Run #3 Single Grains	Run #4 Total Grains	Run #4 Single Grains
24	991	805	1084	967	9	9	398	350
12	1088	994	1292	1160	466	466	439	405
6	1227	1105	990	846	632	577	427	392
3	697	586	1001	921	464	424	525	469
0	13	13	396	388	245	230	147	141

Height (in)	Run #5 Total Grains	Run #5 Single Grains	Run #6 Total Grains	Run #6 Single Grains	Run #7 Total Grains	Run #7 Single Grains	Run #8 Total Grains	Run #8 Single Grains
24	243	222	227	202	188	175	167	152
12	288	240	273	240	182	178	199	180
6	343	303	255	223	201	178	156	150
3	279	261	217	195	82	74	170	159
0	31	29	95	95	M	M	49	49

TABLE A-6 (Concluded)

September 4

Height (in)	Run #1 Total Grains	Run #1 Single Grains	Run #2 Total Grains	Run #2 Single Grains
24	4	4	5	5
12	0	0	5	2
6	1	1	5	3
3	0	0	0	0
0	1	1	1	1

Height (in)	Run #3 Total Grains	Run #3 Single Grains	Run #4 Total Grains	Run #4 Single Grains
24	0	0	1	1
12	2	2	4	4
6	0	0	0	0
3	7	7	4	4
0	1	1	0	0

APPENDIX B

TABLE B-1

THE NUMBER OF SAMPLES PER ARC SECTION

Arc Section	6 m	12 m	18 m
A	5	10	15
B	5	11	16
C	5	10	16
D	6	11	16
E	5	11	16
F	5	10	16
G	5	11	15

TABLE B-2

RAGWEED POLLEN SIZE--OUT-OF-SEASON EXPERIMENT 1960

Treatment	Origin	Diameter (μ)			S.D.
		Mean	Max	Min	
In Water	(Green Drug)	20.2	24	17	1.4
Dry	(Green Drug)	21.7	26	17	1.7
Dry	(Green Drug)	21.9	25	16	1.6
Dry	(Green Drug)	22.4	28	18	1.6
Dry	(Green Drug)	22.3	25	14	1.6
In Oil	(Green Drug)	21.3	25	17	1.5
In Oil	(Green Drug)	21.0	25	10	2.1
On Scotch Tape	(Green Drug)	21.5	25	17	1.6
On Scotch Tape	(Natural Pollen)	20.3	25	17	1.3

TABLE B-3

COMPUTATION OF TOTAL POLLEN PASSING THROUGH THE 6 m ARRAY

November 13, 1960

Height (m)	Integrated Pollen Count	Wind Speed (mph)	Impaction Efficiency	Number of Grains Per Meter in Vertical
0.25	$170.3\overline{3}$	6.3	0.83	621.7×10^4
0.50	$717.1\overline{6}$	7.2	0.85	2553.1×10^4
1.00	$4389.3\overline{3}$	8.3	0.87	15274.9×10^4
1.50	$4564.1\overline{6}$	8.8	0.875	15792.0×10^4
2.00	$1929.6\overline{6}$	9.2	0.88	6638.0×10^4
2.50	$522.6\overline{6}$	9.5	0.885	1787.5×10^4
3.00	$118.6\overline{6}$	9.8	0.89	403.4×10^4

TABLE B-4

POLLEN COUNTS—OUT-OF-SEASON EXPERIMENT 1960

Preliminary Run--November 13
Distance from Source—6 m

Segment			C					D			
Position	1	2	3	4	5	1	2	3	4	5	6
Height (m)											
0.25	0	0	2	4	12	32	35	49	46	M	29
0.50	1	8	21	21	49	82	119	175	173	161	M
1.00	14	22	110	119	273	380	636	926	1208	1250	853
1.50	13	51	98	200	233	158	690	950	1235	1290	1070
2.00	8	31	71	79	110	122	134	554	583	453	467
2.50	0	17	17	39	46	75	121	112	94	108	101
3.00	2	6	1	6	20	12	16	38	27	16	17

Segment			E					F		
Position	1	2	3	4	5	1	2	3	4	5
Height (m)										
0.25	17	27	14	18	7	7	2	4	2	3
0.50	167	89	85	86	15	8	4	3	1	1
1.00	810	695	653	472	260	2	4	0	13	38
1.50	1013	880	690	337	145	77	32	4	2	0
2.00	401	373	233	146	63	11	7	4	0	0
2.50	85	70	78	41	16	7	3	0	1	3
3.00	20	16	16	8	4	3	3	1	1	2

TABLE B-4 (Continued)

Run of November 14
Distance from Source—6 m

Segment	A					B					C				
Position	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Height (m)															
0.25	1	0	4	2	0	1	10	51	147	336	422	541	485	307	178
0.50	0	0	0	0	0	4	12	47	124	190	384	419	438	263	130
1.00	0	2	1	0	0	1	5	24	48	77	151	115	149	108	82
1.50	0	0	0	0	0	0	3	9	14	16	34	36	25	21	12
2.00	0	0	0	0	0	1	6	2	4	0	4	3	3	6	2
2.50	0	0	0	0	3	0	0	0	0	1	1	0	0	0	0
3.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Segment	D						E				
Position	1	2	3	4	5	6	1	2	3	4	5
Height (m)											
0.25	80	23	6	3	0	1	6	1	2	2	0
0.50	63	31	8	3	3	2	0	1	1	0	1
1.00	28	15	20	4	0	0	0	4	2	2	1
1.50	16	1	0	0	0	1	0	1	1	0	1
2.00	0	0	0	1	3	0	2	2	2	3	0
2.50	0	2	0	0	0	0	1	1	2	2	1
3.00	0	1	1	0	0	0	0	1	0	0	1

TABLE B-4 (Continued)

Run of November 14
Distance from Source—12 m

Segment	A									
Position	1	2	3	4	5	6	7	8	9	10
Height (m)										
0.25	0	0	0	0	0	0	0	0	0	6
0.50	0	0	0	2	0	0	0	0	0	0
1.00	0	0	11	0	0	0	1	1	0	2
1.50	0	0	0	1	5	0	3	4	1	0
2.00	0	0	1	0	0	0	1	3	2	1
2.50	0	0	0	0	0	0	0	0	0	1
3.00	0	0	0	1	0	2	1	0	0	0
3.50	0	4	0	0	1	0	4	0	0	0
4.00	0	0	1	2	0	0	0	0	0	0

Segment	B										
Position	1	2	3	4	5	6	7	8	9	10	11
Height (m)											
0.25	0	1	1	5	4	18	28	32	71	100	165
0.50	2	2	6	9	10	16	26	49	82	102	127
1.00	4	2	6	6	9	14	13	31	39	57	45
1.50	1	5	1	18	4	9	18	14	20	38	33
2.00	14	1	2	0	0	1	9	10	7	28	25
2.50	0	0	2	0	2	3	9	5	5	10	11
3.00	0	0	0	1	0	0	3	0	3	6	2
3.50	0	1	0	2	2	0	0	0	4	1	0
4.00	2	1	1	0	2	4	3	0	1	1	4

TABLE B-4 (Continued)

Run of November 14
Distance from Source—12 m

Segment Position	1	2	3	4	C 5	6	7	8	9	10
Height (m)										
0.25	204	217	216	165	188	177	83	95	49	39
0.50	153	129	206	149	153	133	129	38	44	20
1.00	118	113	109	130	86	82	87	33	24	15
1.50	74	59	49	72	42	39	47	23	14	12
2.00	13	34	16	13	14	6	8	3	14	4
2.50	10	13	10	11	6	8	3	3	3	5
3.00	3	0	1	5	6	1	1	0	0	0
3.50	1	0	0	1	0	0	1	1	1	0
4.00	0	1	0	0	0	1	4	2	2	0

Segment Position	1	2	3	4	D 5	6	7	8	9	10	11
Height (m)											
0.25	13	15	6	0	1	0	0	3	3	8	5
0.50	10	14	6	7	0	0	0	0	0	2	4
1.00	11	4	7	2	3	0	0	0	1	3	1
1.50	5	2	3	0	1	2	0	0	0	0	0
2.00	2	2	1	0	0	0	1	1	1	0	7
2.50	0	0	0	0	0	0	0	0	0	0	0
3.00	0	0	0	0	0	0	0	0	0	0	0
3.50	0	0	0	0	0	0	0	0	0	0	0
4.00	0	0	0	0	0	0	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 14
Distance from Source—18 m

Segment Position	A 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Height (m)															
0.25	6	0	0	1	1	0	0	0	0	1	0	0	1	0	0
0.50	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
1.00	0	0	0	0	3	0	1	1	4	0	0	0	0	0	0
1.50	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0
2.00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2.50	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0
3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Segment Position	B 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
0.25	0	0	0	0	0	2	0	3	3	13	19	25	36	42	38	78
0.50	2	1	1	4	4	5	6	5	11	24	22	19	26	44	46	74
1.00	3	4	1	2	4	5	2	0	2	11	8	21	34	39	43	46
1.50	1	0	1	1	1	0	1	5	2	9	7	11	12	26	29	36
2.00	0	0	0	1	0	1	3	1	5	2	3	9	13	16	16	20
2.50	3	1	2	2	2	1	2	0	1	4	5	0	2	2	8	5
3.00	0	1	0	1	0	2	1	2	0	0	0	2	3	5	6	15
3.50	0	1	0	0	0	0	1	0	1	0	0	0	1	2	6	2
4.00	0	3	0	0	0	1	0	1	0	1	3	0	2	2	4	2
4.50	0	3	0	0	0	1	1	1	0	0	1	1	1	2	0	3
5.00	2	3	2	3	1	0	0	2	1	1	0	0	2	0	2	0

TALBE B-4 (Continued)

Run of November 14
Distance from Source—18 m

Segment Position	1	2	3	4	5	6	7	8	C 9	10	11	12	13	14	15	16
Height (m)																
0.25	43	100	93	157	118	110	79	70	77	31	39	26	10	12	5	12
0.50	71	80	87	111	78	82	118	89	73	39	53	34	44	23	18	10
1.00	82	89	80	74	85	117	97	60	68	39	31	18	21	18	9	13
1.50	28	44	33	60	63	45	59	43	37	28	12	13	11	7	6	4
2.00	41	33	33	2	5	9	3	10	23	14	0	2	3	2	2	1
2.50	7	9	17	0	3	5	2	12	3	4	5	1	1	2	2	5
3.00	12	10	4	3	2	2	3	3	0	0	1	1	2	1	2	0
3.50	1	0	0	1	0	1	2	0	0	1	3	0	2	0	0	0
4.00	3	1	0	0	0	0	0	0	0	0	0	1	1	0	1	0
4.50	3	0	0	0	1	3	0	0	0	0	0	2	1	2	3	1
5.00	1	0	4	1	2	0	0	1	1	0	0	0	0	0	0	1

Segment Position	1	2	3	4	5	6	7	8	D 9	10	11	12	13	14	15	16
Height (m)																
0.25	4	2	3	6	1	0	0	1	0	0	0	1	0	0	0	0
0.50	6	5	0	1	2	0	2	1	1	0	0	1	1	0	0	0
1.00	7	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1.50	2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
2.00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2.50	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 17
Distance from Source—6 m

Segment			C					D			
Position	1	2	3	4	5	1	2	3	4	5	6
Height (m)											
0.25	31	123	375	891	1411	1600	1580	1186	750	180	1215
0.50	28	141	455	926	1053	1180	1600	1080	750	657	1090
1.00	23	64	216	367	533	578	950	488	275	267	379
1.50	2	15	40	66	91	85	69	52	36	53	42
2.00	0	1	6	6	6	16	10	8	3	10	9
2.50	1	1	0	1	1	2	0	0	0	1	0
3.00	0	0	1	2	3	0	0	0	0	0	0

Segment			E					F					G		
Position	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Height (m)															
0.35	1770	1740	1905	2165	935	534	189	84	21	0	0	0	0	1	0
0.50	2070	2620	2805	1915	1410	481	180	49	3	5	0	0	0	0	1
1.00	745	855	1050	468	340	160	74	31	8	3	0	1	1	0	1
1.50	86	132	75	78	57	14	23	5	1	1	1	1	0	1	0
2.00	3	5	3	9	7	5	4	0	0	0	0	0	0	0	0
2.50	4	2	5	2	6	0	0	1	0	0	0	0	0	0	0
3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 17
Distance from Source—12 m

Segment Position	C 1	2	3	4	5	6	7	8	9	10
Height (m)										
0.25	0	0	14	0	62	107	3	308	465	493
0.50	3	2	34	31	83	173	323	363	403	443
1.00	5	1	12	14	46	78	109	167	225	343
1.50	0	2	8	14	19	27	49	71	82	150
2.00	0	1	2	4	5	7	17	7	20	33
2.50	2	0	6	3	1	5	13	16	16	23
3.00	1	0	0	0	1	1	0	1	1	5
3.50	1	0	0	0	0	0	0	0	0	2
4.00	0	0	0	0	0	0	0	0	0	0

Segment Position	D 1	2	3	4	5	6	7	8	9	10	11
Height (m)											
0.25	389	468	470	496	382	246	174	147	120	221	262
0.50	457	582	515	473	529	255	197	160	165	232	274
1.00	211	304	315	203	184	147	109	71	72	96	162
1.50	112	131	91	58	229	127	25	34	43	68	44
2.00	29	57	46	41	28	17	11	17	22	37	47
2.50	9	13	8	0	6	11	7	2	4	7	9
3.00	2	2	1	3	0	1	1	0	4	4	4
3.50	0	0	0	1	0	0	0	0	2	0	1
4.00	1	0	0	0	0	1	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 17
Distance from Source—12 m

Segment Position	E 1	2	3	4	5	6	7	8	9	10	11
Height (m)											
0.25	323	402	688	837	880	1040	832	1005	705	395	277
0.50	448	556	800	885	930	1145	740	700	660	309	304
1.00	248	360	274	205	34	58	48	181	276	18	165
1.50	134	160	97	123	65	45	127	131	134	136	46
2.00	50	46	104	60	110	48	57	48	64	38	24
2.50	17	26	18	14	19	17	16	23	18	16	9
3.00	9	4	9	10	2	5	5	2	6	0	5
3.50	2	2	4	2	3	3	4	4	5	5	2
4.00	1	1	0	1	0	0	1	0	0	0	0

Segment Position	F 1	2	3	4	5	6	7	8	9	10
Height (m)										
0.25	194	106	89	47	17	10	2	1	0	2
0.50	169	128	84	48	30	14	1	1	0	0
1.00	134	76	45	18	4	4	0	0	0	0
1.50	49	56	31	20	18	8	3	0	4	0
2.00	36	4	15	8	12	3	2	4	0	1
2.50	8	7	6	5	1	2	1	0	0	0
3.00	1	1	4	0	2	0	0	0	0	0
3.50	0	0	0	0	0	0	0	0	0	0
4.00	0	0	0	0	0	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 17
Distance from Source—18 m

Segment Position	1	2	3	4	5	6	7	8	C 9	10	11	12	13	14	15	16
Height (m)																
0.25	0	2	0	7	4	12	14	21	44	81	85	97	118	178	120	113
0.50	2	5	7	8	5	4	14	30	28	18	102	87	129	146	143	140
1.00	0	0	0	2	4	9	9	1	33	10	7	36	42	52	87	86
1.50	1	2	1	2	2	4	12	6	5	27	4	26	22	40	43	39
2.00	0	0	0	0	0	4	3	7	10	18	12	10	4	14	5	19
2.50	0	0	0	0	2	1	0	1	2	4	2	12	5	7	17	12
3.00	0	0	0	0	1	0	0	0	0	0	0	3	1	4	7	7
3.50	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	3
4.00	0	0	0	0	0	0	0	0	0	2	0	1	3	0	2	0
4.50	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
5.00	0	0	0	0	0	0	0	0	0	0	0	0	0		1	0

Segment Position	1	2	3	4	5	6	7	8	D 9	10	11	12	13	14	15	16
Height (m)																
0.25	107	204	214	224	197	158	113	90	66	65	61	46	54	97	155	167
0.50	59	120	182	167	150	85	45	114	78	89	65	80	107	69	159	77
1.00	77	42	105	51	57	45	62	83	83	65	62	49	70	93	53	18
1.50	23	45	40	35	28	28	33	16	30	27	35	18	26	24	58	M
2.00	10	2	9	12	4	13	13	9	6	3	7	10	13	17	16	27
2.50	23	16	28	18	7	7	6	5	4	14	7	18	19	8	19	30
3.00	3	10	18	11	4	8	9	10	11	12	13	14	14	3	10	22
3.50	4	8	5	5	4	3	3	3	0	4	4	5	3	0	0	3
4.00	1	2	0	0	1	0	1	0	0	0	6	5	1	2	10	9
4.50	0	1	1	1	1	0	0	0	1	2	0	0	0	1	1	1
5.00	0	0	0	1	0	0	1	2	0	0	0	0	1	0	0	1

TABLE B-4 (Continued)

Run of November 17
Distance from Source--18 m

Segment Position	1	2	3	4	5	6	7	8	E 9	10	11	12	13	14	15	16
Height (m)																
0.25	179	249	373	282	314	407	436	474	386	316	483	248	272	209	134	58
0.50	133	188	339	269	345	324	322	323	352	316	308	205	235	146	101	91
1.00	102	168	209	232	228	281	283	231	216	243	258	291	184	149	114	68
1.50	125	69	151	200	232	172	217	236	225	199	215	173	116	84	62	62
2.00	56	54	108	101	57	93	101	130	106	50	56	39	26	27	31	33
2.50	13	21	30	38	47	55	58	68	54	83	25	39	20	12	24	12
3.00	28	29	29	20	11	2	21	23	25	26	12	8	12	13	9	6
3.50	4	3	1	5	6	11	10	15	6	12	1	2	3	2	5	2
4.00	0	0	1	0	0	0	4	5	4	2	4	2	1	2	1	0
4.50	0	0	0	2	0	0	1	3	0	0	2	0	1	1	0	1
5.00	1	0	0	2	1	2	2	2	0	0	1	1	1	0	1	0

Segment Position	1	2	3	4	5	6	7	8	F 9	10	11	12	13	14	15	16
Height (m)																
0.25	69	64	42	44	2	22	5	15	0	1	1	0	0	0	1	0
0.50	100	52	57	27	25	10	7	2	4	1	1	0	0	0	0	0
1.00	52	28	36	24	13	7	5	1	1	0	0	0	0	1	0	0
1.50	35	19	21	12	14	5	4	4	1	0	0	0	0	0	0	0
2.00	12	15	10	9	7	8	0	0	0	0	0	0	0	0	0	0
2.50	16	5	9	13	5	4	3	1	0	1	0	0	0	0	0	0
3.00	11	9	4	8	3	2	0	1	1	0	0	0	0	0	0	0
3.50	4	6	1	4	4	1	2	2	0	0	0	0	0	0	0	0
4.00	3	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
4.50	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 28
Distance from Source—6 m

Segment	A					B					C				
Position	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Height (m)															
0.25	299	204	1050	1900	2755	6445	6075	5415	4085	2635	1995	847	139	34	1
0.50	240	681	1585	2430	4055	4970	6390	4890	4220	3020	2170	662	208	53	16
1.00	120	301	680	1365	2570	2565	3180	2450	1905	1180	656	217	79	23	5
1.50	38	77	210	307	277	598	588	433	318	230	145	84	48	13	10
2.00	10	17	29	45	74	65	55	44	33	58	22	12	8	3	3
2.50	7	10	4	6	11	33	28	30	14	29	9	6	3	0	0
3.00	4	1	0	2	1	14	13	6	4	10	0	0	0	0	0

TABLE B-4 (Continued)

Run of November 28
Distance from Source—12 m

Segment Position	1	2	3	4	A 5	6	7	8	9	10
Height (m)										
0.25	50	79	122	216	326	598	850	1255	1415	1480
0.50	56	105	149	181	305	560	815	996	1635	1620
1.00	29	67	110	158	251	423	683	870	965	1030
1.50	29	44	50	81	149	207	275	340	410	510
2.00	15	15	23	24	38	96	100	192	149	192
2.50	10	3	13	16	19	34	33	33	58	91
3.00	3	3	5	5	10	16	21	14	24	59
3.50	2	0	0	6	6	9	11	19	6	3
4.00	3	10	5	5	5	4	3	8	1	4

TABLE B-4 (Continued)

Run of November 28
Distance from Source—12 m

Segment Position	1	2	3	4	5	6	7	8	9	10	11
					B						
Height (m)											
0.25	1840	2115	2635	2380	1995	1630	1485	1350	1270	1075	713
0.50	1920	2195	2505	2280	1950	1625	1985	1430	1485	769	598
1.00	1082	1320	1535	1320	1110	1060	1015	753	785	596	359
1.50	491	737	759	705	655	623	557	468	409	283	242
2.00	239	245	282	330	248	231	230	164	86	124	89
2.50	93	96	127	77	55	94	52	44	36	29	34
3.00	18	42	22	13	17	18	14	16	3	14	11
3.50	8	6	8	5	4	4	10	6	7	7	0
4.00	1	2	2	1	2	0	3	8	3	5	2

Segment Position	1	2	3	4	5	6	7	8	9	10	11
					C						
Height (m)											
0.25	399	338	151	66	40	14	4	3	2	0	0
0.50	405	324	112	58	22	19	7	2	0	0	0
1.00	306	179	112	31	10	5	3	6	0	0	0
1.50	145	101	58	18	11	5	7	2	0	1	M
2.00	37	32	18	13	7	0	0	3	1	2	M
2.50	15	3	7	3	1	2	1	0	0	0	1
3.00	3	5	1	1	1	1	0	0	3	1	0
3.50	4	6	2	2	2	2	2	1	2	3	3
4.00	4	1	0	0	1	1	0	2	0	0	1

TABLE B-4 (Continued)

Run of November 28
Distance from Source—18 m

Segment Position	1	2	3	4	5	6	7	A 8	9	10	11	12	13	14	15
Height (m)															
0.25	M	45	57	44	81	113	135	217	299	385	504	709	763	852	1075
0.50	23	36	65	59	69	81	158	226	268	416	438	696	574	975	1105
1.00	17	34	31	34	60	53	112	151	232	309	362	504	307	718	649
1.50	6	17	21	40	36	62	67	82	134	223	220	268	371	354	466
2.00	18	6	15	19	19	32	60	49	100	108	128	165	200	218	261
2.50	1	7	5	4	7	12	29	13	50	53	72	82	102	116	127
3.00	3	9	4	3	7	11	4	16	29	20	26	53	37	49	42
3.50	5	1	1	2	2	7	10	8	20	3	4	9	15	19	29
4.00	0	5	0	0	2	5	4	6	6	0	6	9	4	5	11
4.50	0	0	2	1	1	0	1	1	3	3	3	4	0	1	6
5.00	0	0	0	0	2	0	0	0	2	3	6	2	3	0	2

TABLE B-4 (Concluded)

Run of November 28
Distance from Source—18 m

Segment Position	1	2	3	4	5	6	7	B 8	9	10	11	12	13	14	15	16
Height (m)																
0.25	1210	1240	1505	1485	1290	1050	775	801	895	868	791	667	492	430	258	240
0.50	668	1125	1215	1375	1065	1085	935	795	735	682	600	620	521	453	279	202
1.00	745	910	935	890	810	775	713	898	683	573	547	552	459	389	270	246
1.50	499	574	561	582	629	552	534	456	378	306	310	326	242	254	156	124
2.00	308	339	378	224	289	280	258	220	212	195	173	178	148	91	87	80
2.50	161	150	84	172	121	159	152	66	108	93	86	89	59	37	66	46
3.00	58	69	78	74	68	70	56	29	29	23	31	37	23	17	36	16
3.50	14	21	31	25	22	29	17	30	9	13	18	19	18	28	10	5
4.00	5	6	9	7	7	6	7	5	7	4	4	11	4	0	8	1
4.50	5	3	5	3	6	2	3	0	2	2	2	2	0	0	0	0
5.00	0	2	3	3	8	3	2	7	3	2	3	0	0	1	0	0

Segment Position	1	2	3	4	5	6	7	C 8	9	10	11	12	13	14	15	16
Height (m)																
0.25	184	106	82	23	26	6	8	6	4	0	0	0	0	0	1	2
0.50	200	124	70	33	17	35	15	2	5	1	1	0	0	0	0	0
1.00	149	108	73	46	18	22	10	1	7	3	2	1	1	0	0	0
1.50	93	69	55	19	18	18	11	5	5	3	5	1	1	0	1	0
2.00	41	50	24	12	10	10	8	1	3	1	1	1	1	0	2	0
2.50	16	9	9	11	4	2	1	3	0	1	0	0	2	0	0	0
3.00	5	1	5	2	5	1	0	2	0	0	0	0	0	0	0	0
3.50	1	5	4	1	1	6	0	0	0	0	0	0	1	0	0	0
4.00	1	8	1	2	2	0	0	0	0	0	0	0	0	1	0	0
4.50	0	1	1	3	1	0	1	0	0	0	0	0	0	0	1	0
5.00	3	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0

TABLE B-5

GROUND LEVEL SAMPLER COUNTS—OUT-OF-SEASON EXPERIMENT 1960

November 14

Sector	A	B	C	D	E	F
Distance (m)						
2		128	569	189	128	126
3		339	1134	303	41	239
4		376	1060	338	180	318
5		400	1414	203	196	325
6		320	1546	184	176	167
12		396	801	227	375	
18		306	626	568	193	

November 17

Sector	A	B	C	D	E	F
Distance (m)						
2		32	206	434	828	622
3		27	857	1941	1648	330
4		93	1720	2206	3818	615
5		223	1963	2821	4564	248
6		115	613	2733	4949	1250
12			321	1019	2599	135
18			22	500	1507	77

November 28

Sector	A	B	C	D	E	F
Distance (m)						
2	374	1048	128	40		
3	798	3601	243	20		
4	1386	3872	204	42		
5	1778	6643	164	19		
6	1391	6519	186	28		
12	785	3206	52			
18	334	1683	42			

TABLE B-6

TEMPERATURE DIFFERENCE—OUT-OF-SEASON EXPERIMENT 1960

Date	Time	T(0.75m)-T(1.5m)	T(0.75m)-T(3.0m)	T(0.75m)-T(6.0m)	Remarks
Nov. 14	1451	0.22	0.25	0.45	
	1458	0.22	0.22	0.24	
	1605	0.23	0.24	0.28	Data questionable,
	1612	0.23	0.25	0.44	see sources of
	1619	0.24	0.45	0.45	error.
	1626	0.22	0.23	(wires broken)	
	1633	-	-	-	
	1640	0.04	0.21	0.19	
Nov. 17	1612	0.19	0.22	0.41	
	1619	0.42	0.43	0.64	Data questionable,
	1626	0.41	0.63	0.64	see sources of
	1633	0.24	0.25	0.66	error.
		Cycle interrupted by check of levels for correct order.			
	1643	0.49	0.49	0.48	
	1650	0.04	0.03	-0.02	
	1657	0.17	-0.02	-0.25	Readings accurate
	1704	0.17	-0.24	-0.44	to ± 0.02C°.
Nov. 28	1516	0.01	0.01	0.02	
	1523	0.00	0.00	0.02	Readings accurate
	1530	0.01	0.01	0.03	to ± 0.02C°.
	1537	0.01	0.01	0.01	
	1542	0.03	0.03	0.03	
	1550	0.01	0.01	0.01	

TABLE B-7

WIND DIRECTION 6 m—OUT-OF-SEASON EXPERIMENT 1960

November 14

Time	Average	Inst.	Time	Average	Inst.
1453/00	184	186	1456/15	194	191
05	184	180	20	198	199
10	185	182	25	191	202
15	185	186	30	188	193
20	185	182	35	185	187
25	185	181	40	186	189
30	189	185	45	184	187
35	187	190	50	185	183
40	176	179	55	185	189
45	177	174	1457/00	185	185
50	185	175	05	184	183
55	189	192	10	183	185
1454/00	185	189	15	180	181
05	186	192	20	184	175
10	184	185	25	185	184
15	184	179	30	185	186
20	182	179	35	185	186
25	178	180	40	189	189
30	183	179	45	191	191
35	188	181	50	195	197
40	181	189	55	189	195
45	186	181	1458/00	177	183
50	185	183	05	174	175
55	185	178	10	173	195
1455/00	188	189	15	174	170
05	188	189	20	175	175
10	180	187	25	175	175
15	178	177	30	179	175
20	184	189	35	184	179
25	182	185	40	178	180
30	181	179	45	180	181
35	185	180	50	185	179
40	187	183	55	189	184
45	181	186	1459/00	189	193
50	175	185	05	188	179
55	176	170	10	179	181
1456/00	174	175	15	172	179
05	182	181	20	178	169
10	189	187	25	178	179

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1459/30	178	170	1502/45	191	191
35	180	179	50	193	191
40	181	175	55	192	193
45	179	185	1503/00	188	195
50	173	181	05	189	179
55	178	167	10	188	190
1500/00	186	183	15	190	187
05	182	183	20	197	195
10	179	181	25	198	200
15	176	179	30	188	195
20	182	170	35	176	182
25	187	186	40	177	176
30	183	183	45	175	178
35	188	183	50	178	169
40	192	191	55	178	179
45	191	197	1504/00	184	189
50	192	187	05	187	179
55	185	190	10	185	189
1501/00	189	191	15	183	183
05	189	190	20	180	185
10	188	191	25	187	179
15	186	187	30	189	191
20	181	179	35	187	188
25	180	180	40	185	186
30	179	183	45	188	185
35	182	183	50	189	189
40	188	189	55	185	190
45	184	188	1505/00	185	183
50	174	186	05	180	183
55	169	176	10	185	179
1502/00	174	196	15	187	187
05	185	172	20	188	191
10	182	187	25	185	185
15	191	178	30	189	183
20	164	195	35	195	187
25	182	189	40	189	193
30	179	175	45	186	193
35	187	181	50	187	185
40	189	190	55	190	189

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1506/00	185	185	1509/15	186	181
05	188	185	20	188	187
10	184	188	25	184	188
15	189	183	30	186	186
20	187	190	35	185	187
25	184	189	40	191	185
30	181	183	45	184	194
35	180	183	50	183	183
40	179	186	55	182	190
45	184	185	1510/00	193	179
50	187	195	05	191	191
55	186	194	10	191	191
1507/00	186	183	15	188	185
05	185	191	20	179	183
10	189	185	25	177	177
15	189	187	30	172	175
20	186	189	35	177	170
25	185	175	40	180	182
30	186	195	45	188	182
35	183	183	50	187	186
40	189	186	55	188	191
45	184	187	1511/00	184	177
50	187	181	05	192	189
55	180	189	10	187	190
1508/00	186	187	15	175	190
05	185	187	20	182	175
10	192	185	25	177	187
15	197	191	30	174	179
20	189	195	35	176	171
25	184	187	40	180	175
30	187	187	45	188	183
35	186	186	50	196	191
40	189	187	55	193	194
45	184	191	1512/00	190	195
50	185	185	05	188	189
55	185	186	10	189	191
1509/00	183	185	15	188	187
05	184	181	20	185	180
10	185	183	25	185	183

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1512/30	177	183	1515/45	185	188
35	176	174	50	192	185
40	182	176	55	195	203
45	181	189	1516/00	185	195
50	185	183	05	184	175
55	187	185	10	197	191
1513/00	191	191	15	196	194
05	185	195	20	191	199
10	184	190	25	185	191
15	186	190	30	184	183
20	191	191	35	185	187
25	196	192	40	181	183
30	185	183	45	177	178
35	179	179	50	181	173
40	171	175	55	185	187
45	187	174	1517/00	186	189
50	189	194	05	181	190
55	185	183	10	177	178
1514/00	179	179	15	187	173
05	181	178	20	185	191
10	185	185	25	182	183
15	189	179	30	180	178
20	191	189	35	187	176
25	191	191	40	183	186
30	188	195	45	179	171
35	186	187	50	178	179
40	191	179	55	182	179
45	191	187	1518/00	184	179
50	182	193	05	185	189
55	190	178	10	183	181
1515/00	194	195	15	187	184
05	188	194	20	186	189
10	184	185	25	178	183
15	184	185	30	185	175
20	183	183	35	184	186
25	179	181	40	185	179
30	174	177	45	187	184
35	187	169	50	186	187
40	187	195	55	185	188

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1519/00	183	182	1522/15	191	192
05	176	189	20	190	190
10	177	175	25	188	190
15	171	178	30	185	187
20	169	169	35	186	184
25	170	170	40	186	187
30	177	173	45	189	187
35	178	175	50	188	190
40	181	179	55	183	187
45	185	181	1523/00	176	179
50	184	183	05	178	171
55	183	182	10	173	175
1520/00	177	181	15	174	173
05	178	173	20	175	175
10	176	180	25	174	183
15	181	175	30	172	171
20	183	180	35	173	175
25	184	183	40	176	167
30	181	181	45	176	167
35	182	181	50	176	179
40	184	179	55	179	175
45	189	189	1524/00	176	175
50	182	187	05	178	173
55	188	186	10	184	181
1521/00	185	190	15	178	176
05	182	187	20	184	182
10	188	177	25	183	179
15	191	179	30	183	171
20	189	191	35	189	188
25	191	182	40	188	189
30	190	193	45	182	187
35	187	190	50	176	179
40	181	187	55	180	167
45	182	175	1525/00	177	179
50	183	182	05	181	178
55	182	186	10	183	185
1522/00	184	183	15	178	179
05	182	185	20	179	179
10	188	184	25	176	175

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1525/30	175	171	1528/45	178	177
35	174	175	50	178	176
40	180	173	55	179	178
45	188	182	1529/00	177	179
50	189	188	05	169	179
55	196	190	10	183	170
1526/00	195	202	15	182	183
05	189	191	20	182	177
10	188	191	25	193	179
15	193	187	30	189	195
20	188	191	35	192	187
25	185	189	40	192	188
30	188	175	45	189	192
35	194	193	50	188	187
40	188	190	55	191	192
45	190	189	1530/00	189	192
50	184	177	05	185	188
55	184	191	10	186	185
1527/00	185	187	15	191	187
05	183	189	20	194	193
10	168	183	25	193	195
15	173	166	30	185	189
20	183	177	35	189	185
25	188	181	40	189	192
30	187	191	45	196	195
35	184	185	50	194	199
40	182	179	55	189	193
45	181	183	1531/00	187	190
50	185	179	05	187	189
55	179	187	10	190	187
1528/00	187	172	15	192	192
05	181	186	20	197	191
10	182	179	25	193	199
15	185	176	30	197	190
20	188	181	35	198	203
25	179	189	40	194	191
30	182	179	45	196	192
35	179	185	50	195	199
40	177	177	55	189	194

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1532/00	189	187	1535/15	191	175
05	191	184	20	196	199
10	196	189	25	199	197
15	188	197	30	194	201
20	189	189	35	180	194
25	185	192	40	189	182
30	181	179	45	189	192
35	182	184	50	197	188
40	188	187	55	197	200
45	187	190	1536/00	200	193
50	182	185	05	203	200
55	181	180	10	202	203
1533/00	184	183	15	199	199
05	186	184	20	197	199
10	186	187	25	197	198
15	183	184	30	194	197
20	187	180	35	188	194
25	193	187	40	189	185
30	190	188	45	185	189
35	194	203	50	185	185
40	183	197	55	193	189
45	180	179	1537/00	194	197
50	185	181	05	191	193
55	191	191	10	189	189
1534/00	193	195	15	187	191
05	197	191	20	187	183
10	185	199	25	195	188
15	182	183	30	200	193
20	185	187	35	199	200
25	188	183	40	187	200
30	193	184	45	183	195
35	196	191	50	189	189
40	195	200	55	192	195
45	192	186	1538/00	203	195
50	188	196	05	194	199
55	183	185	10	197	198
1535/00	182	179	15	192	197
05	180	187	20	196	191
10	181	181	25	197	195

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1538/30	195	197	1541/45	201	195
35	196	195	50	197	199
40	196	197	55	189	203
45	192	197	1542/00	182	191
50	189	192	05	183	175
55	186	187	10	191	183
1539/00	188	190	15	195	189
05	192	191	20	183	195
10	193	192	25	182	183
15	196	193	30	188	185
20	189	195	35	189	192
25	187	187	40	201	197
30	184	186	45	199	109
35	192	181	55	202	209
40	193	187	1543/00	203	199
45	194	194	05	205	219
50	192	199	10	202	211
55	191	191	15	198	205
1540/00	192	195	20	188	198
05	189	190	25	190	189
10	195	191	30	189	191
15	189	193	35	186	192
20	188	188	40	186	190
25	189	189	45	189	183
30	197	191	50	188	188
35	201	197	55	189	187
40	190	201	1544/00	190	194
45	199	200	05	189	190
50	197	205	10	193	183
55	202	195	15	196	189
1541/00	193	199	20	199	198
05	189	189	25	195	199
10	191	188	30	197	194
15	196	189	35	199	185
20	203	195	40	196	199
25	200	207	45	200	198
30	196	199	50	197	199
35	193	193	55	199	200
40	192	191	1545/00	186	203

TABLE B-7 (Continued)

November 14

Time	Average	Inst.	Time	Average	Inst.
1545/05	182	175	1548/00	196	198
10	189	189	25	197	192
15	188	189	30	196	199
20	190	186	35	188	194
25	185	190	40	189	189
30	188	186	45	188	189
35	187	188	50	189	190
40	194	183	55	189	190
45	193	192	1549/00	193	191
50	190	191	05	191	195
55	193	190	10	189	192
1546/00	196	195	15	189	191
05	193	195	20	196	184
10	187	191	25	194	199
15	189	187	30	191	190
20	190	191	35	201	197
25	188	190	40	204	203
30	192	190	45	201	208
35	188	192	50	203	199
40	189	189	55	197	206
45	188	191	1550/00	198	199
50	189	190	05	198	193
55	199	186	10	197	201
1547/00	209	199	15	197	195
05	207	211	20	193	196
10	201	207	25	191	191
15	194	195	30	191	191
20	201	191	25	195	192
25	199	199	40	196	199
30	195	195	45	196	195
35	202	198	50	195	196
40	204	203	55	186	194

TABLE B-7 (Continued)

November 17

Time	Average	Time	Average	Time	Average
1557/00	-	1600/15	248	1603/30	267
05	-	20	252	35	253
10	-	25	248	40	270
15	-	30	243	45	251
20	-	35	242	50	250
25	-	40	245	55	249
30	219	45	245	1604/00	250
35	220	50	247	05	245
40	218	55	250	10	249
45	218	1601/00	249	15	246
50	225	05	254	20	255
55	237	10	248	25	254
1558/00	225	15	247	30	255
05	220	20	245	35	249
10	219	25	248	40	254
15	219	30	243	45	250
20	220	35	256	50	250
25	221	40	254	55	257
30	220	45	263	1605/00	254
35	219	50	255	05	252
40	220	55	249	10	247
45	219	1602/00	244	15	251
50	218	05	245	20	247
55	219	10	235	25	250
1559/00	220	15	236	30	245
05	219	20	235	35	243
10	217	25	238	40	244
15	218	30	240	45	240
20	220	35	242	50	239
25	220	40	245	55	244
30	221	45	242	1606/00	248
35	222	50	243	05	247
40	222	55	245	10	251
45	223	1603/00	252	15	248
50	240	05	255	20	248
55	242	10	250	25	251
1600/00	240	15	245	30	249
05	247	20	239	35	250
10	243	25	250	40	243

TABLE B-7 (Continued)

November 17

Time	Average	Time	Average	Time	Average
1606/45	242	1610/00	252	1613/15	238
50	239	05	258	20	235
55	240	10	252	25	236
1607/00	237	15	252	30	237
05	242	20	250	35	237
10	240	25	249	40	236
15	244	30	265	45	235
20	237	35	260	50	238
25	244	40	254	55	238
30	247	45	259	1614/00	236
35	250	50	245	05	223
40	244	55	249	10	227
45	238	1611/00	253	15	238
50	242	05	254	20	238
55	237	10	248	25	240
1608/00	248	15	260	30	244
05	238	20	252	35	243
10	248	25	251	40	242
15	245	30	252	45	241
20	246	35	250	50	240
25	245	40	252	55	244
30	242	45	253	1615/00	240
35	250	50	245	05	248
40	248	55	235	10	252
45	250	1612/00	230	15	253
50	247	05	232	20	243
55	245	10	247	25	251
1609/00	248	15	245	30	252
05	247	20	239	35	257
10	249	25	235	40	254
15	247	30	239	45	253
20	249	35	240	50	247
25	247	40	240	55	250
30	249	45	245	1616/00	253
35	242	50	245	05	252
40	242	55	241	10	245
45	247	1613/00	240	15	252
50	247	05	241	20	247
55	246	10	241	25	246

TABLE B-7 (Continued)

November 17

Time	Average	Time	Average	Time	Average
1616/30	248	1619/45	258	1623/00	242
35	249	50	256	05	237
40	250	55	253	10	243
45	250	1620/00	250	15	250
50	253	05	253	20	249
55	259	10	254	25	250
1617/00	259	15	250	30	240
05	260	20	248	35	234
10	260	25	248	40	237
15	260	30	247	45	244
20	254	35	248	50	234
25	263	40	236	55	234
30	263	45	235	1624/00	240
35	257	50	238	05	241
40	262	55	238	10	242
45	257	1621/00	238	15	236
50	257	05	255	20	236
55	255	10	249	25	236
1618/00	260	15	241	30	235
05	256	20	246	35	235
10	258	25	242	40	248
15	256	30	243	45	245
20	258	35	255	50	240
25	262	40	248	55	243
30	265	45	250	1625/00	245
35	259	50	251	05	240
40	255	55	252	10	251
45	259	1622/00	251	15	250
50	258	05	247	20	253
55	267	10	246	25	240
1619/00	265	15	246	30	243
05	267	20	237	35	246
10	262	25	235	40	238
15	260	30	240	45	237
20	262	35	241	50	249
25	257	40	237	55	242
30	265	45	229	1626/00	245
35	263	50	237	05	244
40	263	55	235	10	246

TABLE B-7 (Continued)

November 17

Time	Average	Time	Average	Time	Average
1626/15	243	1629/30	249	1632/45	246
20	240	35	246	50	246
25	238	40	247	55	249
30	242	45	250	1633/00	251
35	241	50	245	05	253
40	238	55	252	10	248
45	246	1630/00	254	15	247
50	246	05	249	20	249
55	245	10	248	25	245
1627/00	245	15	250	30	247
05	241	20	256	35	255
10	240	25	257	40	256
15	243	30	246	45	258
20	241	35	247	50	253
25	237	40	245	55	247
30	243	45	245	1634/00	247
35	245	50	237	05	250
40	247	55	235	10	249
45	240	1631/00	240	15	247
50	237	05	241	20	245
55	242	10	242	25	254
1628/00	240	15	242	30	256
05	242	20	243	35	258
10	240	25	238	40	260
15	242	30	234	45	250
20	247	35	234	50	252
25	250	40	243	55	254
30	247	45	246	1635/00	248
35	256	50	251	05	252
40	256	55	252	10	252
45	257	1632/00	248	15	250
50	249	05	247	20	263
55	254	10	246	25	257
1629/00	249	15	245	30	247
05	251	20	252	35	255
10	251	25	246	40	256
15	250	30	248	45	244
20	252	35	247	50	245
25	249	40	245	55	244

TABLE B-7 (Continued)

November 17

Time	Average	Time	Average	Time	Average
1636/00	247	1639/15	246	1642/30	250
05	250	20	255	35	247
10	248	25	253	40	245
15	254	30	256	45	247
20	254	35	254	50	251
25	250	40	249	55	250
30	248	45	250	1643/00	255
35	250	50	247	05	250
40	248	55	250	10	247
45	246	1640/00	255	15	250
50	246	05	255	20	253
55	245	10	255	25	254
1637/00	237	15	252	30	253
05	245	20	253	35	255
10	259	25	255	40	253
15	262	30	253	45	256
20	260	35	253	50	255
25	257	40	261	55	253
30	252	45	250	1644/00	248
35	252	50	247	05	251
40	255	55	247	10	243
45	258	1641/00	250	15	245
50	262	05	249	20	248
55	261	10	260	25	250
1638/00	263	15	248	30	245
05	264	20	246	35	247
10	254	25	247	40	247
15	256	30	249	45	245
20	253	35	252	50	246
25	250	40	251	55	243
30	247	45	255	1645/00	241
35	243	50	252	05	247
40	247	55	252	10	247
45	249	1642/00	252	15	242
50	263	05	250	20	245
55	250	10	250	25	241
1639/00	239	15	247	30	245
05	247	20	248	35	247
10	244	25	250	40	252

TABLE B-7 (Continued)

November 17

Time	Average	Time	Average	Time	Average
1645/45	249	1648/30	248	1651/15	238
50	247	35	247	20	243
55	253	40	245	25	250
1646/00	253	45	244	30	243
05	256	50	244	35	242
10	256	55	246	40	244
15	249	1649/00	243	45	246
20	256	05	243	50	245
25	251	10	241	55	242
30	248	15	238	1652/00	238
35	247	20	245	05	238
40	246	25	244	10	236
45	251	30	235	15	233
50	249	35	238	20	242
55	246	40	247	25	241
1647/00	242	45	243	30	235
05	244	50	239	35	234
10	244	55	237	40	238
15	242	1650/00	240	45	238
20	247	05	238	50	240
25	248	10	241	55	231
30	248	15	242	1653/00	234
35	245	20	247	05	238
40	243	25	249	10	242
45	242	30	245	15	238
50	244	35	245	20	232
55	245	40	252	25	233
1648/00	245	45	238	30	234
05	247	50	244	35	231
10	248	55	245	40	233
15	252	1651/00	243	45	233
20	247	05	253	50	236
25	246	10	251	55	-

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1454/35	181	181	1457/50	183	185
40	182	177	55	186	189
45	177	175	1458/00	187	190
50	169	169	05	188	189
55	174	179	10	188	180
1455/00	182	183	15	177	169
05	181	184	20	165	171
10	180	165	25	173	178
15	175	181	1458/30	174	176
20	180	179	35	175	174
25	180	185	40	177	185
1455/30	179	179	45	182	189
35	180	180	50	181	181
40	183	175	55	182	181
45	180	176	1459/00	179	177
50	169	176	05	174	171
55	171	177	10	182	182
1456/00	181	185	15	185	180
05	184	177	20	182	180
10	171	169	25	183	181
15	172	173	1459/30	178	177
20	172	173	35	178	179
25	173	171	40	170	174
1456/30	168	169	45	177	178
35	170	175	50	172	173
40	176	175	55	164	161
45	175	183	1500/00	168	179
50	175	175	05	171	169
55	168	163	10	171	170
1457/00	172	177	15	172	174
05	174	180	20	176	179
10	176	182	25	172	166
15	177	177	1500/30	169	172
20	173	164	35	171	174
25	171	176	40	172	172
1457/30	175	171	45	168	169
35	177	184	50	166	165
40	184	183	55	168	169
45	177	185	1501/00	166	165

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1501/05	160	159	1504/20	150	152
10	163	169	25	148	145
15	164	160	30	141	139
20	163	161	35	136	139
25	162	166	40	135	135
1501/30	169	170	45	137	137
35	166	170	50	142	147
40	172	179	55	146	145
45	178	173	1505/00	139	139
50	182	183	05	145	143
55	175	175	10	146	147
1502/00	176	171	15	141	153
05	171	173	20	138	149
10	170	172	25	153	162
15	175	179	1505/30	151	145
20	173	172	35	147	147
25	178	181	40	143	151
1502/30	176	174	45	148	151
35	172	172	50	149	154
40	173	175	55	155	156
45	178	180	1506/00	156	158
50	176	180	05	157	152
55	177	182	10	154	159
1503/00	181	182	15	159	159
05	178	177	20	158	156
10	178	178	25	156	145
15	176	173	30	151	144
20	163	151	35	153	151
25	158	165	40	154	154
1503/30	166	168	45	153	151
35	173	168	50	154	150
40	166	169	55	153	151
45	166	171	1507/00	151	151
50	169	166	05	152	150
55	171	178	10	155	146
1504/00	171	166	15	152	147
05	164	163	20	146	155
10	158	152	25	148	156
15	156	152	30	154	146

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1507/35	149	159	1510/50	158	162
40	151	159	55	161	157
45	158	157	1511/00	155	148
50	157	156	05	151	155
55	158	159	10	161	167
1508/00	159	155	15	164	159
05	158	159	20	156	155
10	152	143	25	151	150
15	138	139	30	146	139
20	147	151	35	152	152
25	145	148	40	155	150
30	147	151	45	159	159
35	148	155	50	159	161
40	154	157	55	157	159
45	155	151	1512/00	162	157
50	154	149	05	158	156
55	151	148	10	154	149
1509/00	155	163	15	154	157
05	158	151	20	155	156
10	151	148	25	162	169
15	155	162	30	163	163
20	162	157	35	164	163
25	152	153	40	159	155
30	153	160	45	160	157
35	166	167	50	160	164
40	165	165	55	162	164
45	164	157	1513/00	162	157
50	153	154	05	162	160
55	152	151	10	160	153
1510/00	158	157	15	158	157
05	159	158	20	159	155
10	155	154	25	159	155
15	154	150	30	160	162
20	150	148	35	164	167
25	160	163	40	168	168
30	154	155	45	163	156
35	153	146	50	160	159
40	150	151	55	161	157
45	157	155	1514/00	163	159

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1514/05	161	163	1517/20	163	164
10	156	149	25	161	155
15	152	153	30	160	163
20	153	153	35	157	153
25	160	163	40	159	157
30	161	155	45	163	167
35	153	153	50	167	164
40	154	155	55	165	164
45	160	162	1518/00	158	154
50	152	143	05	157	150
55	147	154	10	158	160
1515/00	152	151	15	163	164
05	155	154	20	163	160
10	156	165	25	161	163
15	167	173	30	157	155
20	163	155	35	159	161
25	165	171	40	164	165
30	162	151	45	161	160
35	152	152	50	163	164
40	159	167	55	161	160
45	158	161	1519/00	152	154
50	158	154	05	151	152
55	159	161	10	158	161
1516/00	162	164	15	157	147
05	163	164	20	151	151
10	156	153	25	152	157
15	155	156	30	161	163
20	159	160	35	163	163
25	163	163	40	158	165
30	161	157	45	157	152
35	154	150	50	154	155
40	156	159	55	157	156
45	163	165	1520/00	162	165
50	156	148	05	163	159
55	151	153	10	163	159
1517/00	157	152	15	160	175
05	155	157	20	166	152
10	160	159	25	151	149
15	163	159	30	154	153

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1520/35	156	155	1523/50	160	153
40	163	167	55	161	153
45	167	168	1524/00	161	153
50	166	163	05	157	159
55	163	163	10	162	163
1521/00	157	157	15	161	163
05	152	154	20	154	157
10	153	154	25	154	159
15	160	163	30	148	147
20	163	160	35	148	149
25	161	166	40	161	175
30	163	165	45	168	163
35	158	159	50	163	160
40	160	157	55	164	164
45	159	155	1525/00	156	155
50	164	161	05	157	163
55	169	160	10	162	163
1522/00	170	158	15	162	162
05	162	163	20	163	164
10	163	160	25	164	165
15	156	152	30	161	157
20	158	167	35	156	158
25	164	163	40	162	165
30	159	155	45	164	163
35	159	158	50	156	155
40	164	159	55	162	151
45	162	159	1526/00	163	162
50	162	163	05	166	168
55	167	171	10	168	170
1523/00	169	166	15	161	158
05	172	170	20	162	163
10	162	157	25	161	154
15	148	139	30	154	156
20	158	169	35	161	165
25	170	192	40	160	154
30	169	167	45	155	155
35	167	170	50	161	163
40	168	171	55	165	168
45	169	167	1527/00	172	175

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1527/05	173	170	1530/35	160	161
10	169	170	40	162	159
15	170	171	45	160	155
20	173	173	50	156	155
25	170	167	55	159	162
30	165	161	1531/00	161	159
35	160	169	05	162	165
40	161	156	10	160	156
45	159	153	15	155	152
50	158	153	20	150	155
55	165	156	25	154	151
1528/00	164	166	30	149	141
05	173	168	35	153	147
10	171	171	40	153	149
15	170	166	45	152	153
20	169	170	50	160	160
25	173	171	55	161	156
30	168	169	1532/00	160	153
35	170	171	05	147	141
40	167	165	10	150	156
45	158	154	15	157	151
50	163	159	20	160	164
55	159	163	25	163	165
1529/00	162	161	30	166	165
05	164	160	35	162	161
10	162	157	40	161	158
15	167	167	45	160	157
20	166	159	50	157	153
25	163	155	55	156	169
30	157	156	1533/00	163	163
35	158	157	05	163	163
40	154	152	10	163	162
45	153	151	15	162	162
50	157	159	20	160	158
55	159	155	25	163	164
1530/00	161	165	30	164	164
05	165	163	35	162	163
10	162	159	40	161	160
15	157	156	45	162	164
20	155	153	50	161	160
25	157	157	55	161	158
30	156	152	1534/00	160	157

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1534/05	157	159	1537/10	158	160
10	156	154	15	154	149
15	161	161	20	162	161
20	160	156	25	159	163
25	161	158	30	162	168
30	157	154	35	164	153
35	156	154	40	161	161
40	158	159	45	165	171
45	162	165	50	164	164
50	164	165	55	163	160
55	162	159	1538/00	163	162
1535/00	159	156	05	164	163
05	150	149	10	167	167
10	151	156	15	164	160
15	156	147	20	164	167
20	148	142	25	165	166
25	148	155	30	161	153
30	159	157	35	163	163
35	160	156	40	167	163
40	160	161	45	160	158
45	162	161	50	161	162
50	160	158	55	164	165
55	159	157	1539/00	164	162
1536/00	161	161	05	163	163
05	161	163	10	164	167
10	164	165	15	157	149
15	162	159	20	154	155
20	163	166	25	158	160
25	165	163	30	164	168
30	164	159	35	164	168
35	157	158	40	156	153
40	158	156	45	154	153
45	153	153	50	159	159
50	152	150	55	158	159
55	154	156	1540/00	161	163
1537/00	159	162	05	161	163
05	159	163	10	155	151

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1540/15	161	171	1541/55	164	165
20	155	151	1542/00	163	163
25	161	165	05	163	163
30	162	155	10	161	163
35	161	164	15	158	154
40	159	154	20	161	164
45	156	150	25	168	170
50	164	170	30	160	157
55	164	162	35	156	157
1541/00	162	161	40	161	163
05	164	162	45	159	162
10	162	163	50	162	159
15	158	161	55	158	155
20	163	154	1543/00	159	159
25	166	164	05	157	154
30	158	157	10	155	156
35	160	153	15	158	155
40	161	159	20	167	176
45	162	159	25	163	155
50	160	163	30	160	153

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1543/35	156	156	1546/50	162	163
40	157	159	55	161	159
45	161	156	1547/00	162	165
50	163	164	05	162	161
55	164	164	10	168	174
1544/00	165	159	15	174	173
05	166	167	20	165	164
10	167	171	25	166	172
15	167	165	30	161	155
20	164	163	35	159	158
25	162	163	40	163	168
30	162	160	45	166	170
35	165	161	50	164	161
40	169	171	55	157	153
45	168	161	1548/00	159	158
50	165	160	05	158	156
55	167	173	10	161	159
1545/00	164	151	15	167	171
05	156	159	20	173	175
10	167	174	25	165	162
15	165	159	30	164	171
20	164	161	35	162	156
25	165	168	40	159	158
30	163	163	45	162	172
35	164	155	50	164	164
40	162	165	55	172	178
45	165	159	1549/00	171	167
50	163	164	05	168	173
55	168	174	10	165	163
1546/00	171	167	15	164	158
05	167	164	20	163	163
10	166	163	25	165	169
15	165	165	30	164	164
20	167	165	35	165	161
25	169	175	40	163	159
30	167	165	45	163	173
35	164	163	50	167	171
40	161	157	55	168	169
45	158	161	1550/00	164	162

TABLE B-7 (Continued)

November 28

Time	Average	Inst.	Time	Average	Inst.
1550/05	162	158	1553/20	167	165
10	165	165	25	168	159
15	163	157	30	184	191
20	161	157	35	176	170
25	167	174	40	169	169
30	168	163	45	181	192
35	159	151	50	188	173
40	160	164	55	177	179
45	161	158	1554/00	182	183
50	164	167	05	167	148
55	162	155	10	155	163
1551/00	159	162	15	165	167
05	161	158	20	171	173
10	168	175	25	168	164
15	171	172	30	168	171
20	163	165	35	170	169
25	153	152	40	170	175
30	159	164	45	178	171
35	165	168	50	169	169
40	166	167	55	175	179
45	172	179	1555/00	171	167
50	176	174	05	166	161
55	172	170	10	162	158
1552/00	169	170	15	155	153
05	173	176	20	174	167
10	167	167	25	172	169
15	168	167	30	165	170
20	164	161	35	168	172
25	163	163	40	166	163
30	168	170	45	162	162
35	171	170	50	168	170
40	168	170	55	173	172
45	167	165	1556/00	172	172
50	163	159	05	171	172
55	164	166	10	174	176
1553/00	167	168	15	171	165
05	168	167	20	165	163
10	169	170	25	165	166
15	175	160	30	168	172

TABLE B-7 (Concluded)

November 28

Time	Average	Inst.	Time	Average	Inst.
1556/35	171	171	1559/50	165	167
40	167	166	55	168	172
45	171	170	1600/00	171	168
50	182	177	05	161	154
55	177	176	10	163	157
1557/00	176	174	15	169	168
05	173	172	20	168	167
10	174	173	25	168	165
15	174	175	30	168	169
20	171	173	35	169	167
25	172	170	40	166	163
30	168	167	45	164	159
35	169	171	50	164	162
40	167	163	55	167	166
45	168	173	1601/00	171	165
50	169	166	05	160	157
55	171	171	10	166	173
1558/00	164	156	15	163	159
05	160	159	20	164	164
10	164	165	25	165	167
15	168	165	30	161	154
20	160	170	35	159	158
25	170	172	40	166	159
30	166	170	45	167	170
35	169	173	50	170	169
40	168	165	55	173	173
45	165	162	1602/00	168	168
50	164	165	05	168	168
55	165	164	10	164	157
1559/00	164	158	15	156	151
05	161	159	20	162	171
10	162	160	25	162	160
15	165	165	30	166	165
20	163	160	35	163	157
25	158	155	40	162	159
30	157	159	45	163	168
35	156	156	50	171	173
40	159	163	55	168	163
45	164	157	1603/00	167	168

TABLE B-8

WIND SPEED PROFILES—OUT-OF-SEASON EXPERIMENT 1960

Wind Speed (m sec^{-1})

Height	November 14	November 17	November 28
1/4	2.06	2.12	2.29
1/2	2.56	2.65	3.11
1	3.05	3.18	3.95
1 1/2	3.35	3.49	4.43
2	3.54	3.70	4.70
2 1/2	3.70	3.85	4.91
3	3.84	3.99	5.08
3 1/2	3.95	4.10	5.21
4	4.05	4.20	5.31
4 1/2	4.12	4.29	5.39
5	4.20	4.36	5.47

TABLE B-9

WIND DIRECTION STATISTICS

Date	Average Wind Direction	Variance (deg.^{2})
November 14	186.96	48.68
November 17	246.07	79.64
November 28	288.08	127.46

TABLE B-10

THE MEAN, VARIANCE, AND STANDARD DEVIATION OF THE HORIZONTAL DISTRIBUTION OF POLLEN CONCENTRATION—OUT-OF-SEASON EXPERIMENT 1960

November 14

Arc	Height	Mean (deg.)	Variance (m^2)	Variance (deg.^{2})
6 m	0.25	4.93	1.11	103.39
	0.50	4.62	1.10	101.97
	1.00	6.78	1.73	160.94
	1.50	5.70	1.94	179.78
	2.00	14.72	8.89	824.83
	2.50	45.15	7.06	655.50
	3.00	38.89	5.94	551.32
12 m	0.25	4.81	3.81	88.36
	0.50	4.01	3.89	90.24
	1.00	3.72	5.38	124.78
	1.50	2.20	6.08	141.02
	2.00	1.00	1.07	24.80
	2.50	0.73	4.53	105.06
	3.00	353.01	9.16	212.32
	3.50	340.91	1.94	44.87
	4.00	351.99	1.44	33.35
18 m	0.25	2.87	7.88	81.29
	0.50	3.64	8.73	90.06
	1.00	2.91	8.27	85.32
	1.50	3.02	7.63	78.72
	2.00	359.52	8.49	87.59
	2.50	357.75	29.43	303.63
	3.00	358.17	7.08	73.04
	3.50	359.50	12.04	124.21
	4.00	353.23	13.29	137.11
	4.50	0.83	24.89	256.79
	5.00	350.38	16.95	174.87

TABLE B-10 (Continued)

November 17

Arc	Height	Mean (deg.)	Variance (m^2)	Variance (deg.^{2})
6 m	0.25	48.47	4.36	405.10
	0.50	51.65	4.31	400.46
	1.00	46.42	4.10	380.94
	1.50	46.57	4.91	456.21
	2.00	44.63	4.97	461.78
	2.50	57.59	5.67	526.82
	3.00	18.67	1.39	129.15
12 m	0.25	50.69	15.12	350.69
	0.50	48.53	16.01	371.33
	1.00	43.02	17.08	396.15
	1.50	48.60	18.97	440.00
	2.00	51.61	14.82	343.73
	2.50	48.23	20.68	479.65
	3.00	53.36	13.92	322.86
	3.50	60.88	10.59	245.62
	4.00	47.92	8.12	188.35
18 m	0.25	50.90	31.13	321.17
	0.50	50.85	31.86	328.70
	1.00	53.69	26.56	274.02
	1.50	55.97	23.14	238.73
	2.00	44.66	21.52	222.73
	2.50	43.10	26.00	268.24
	3.00	41.47	23.80	245.54
	3.50	42.31	33.65	347.18
	4.00	39.91	26.59	274.33
	4.50	37.37	33.02	340.66
	5.00	40.28	22.08	227.80

TABLE B-10 (Concluded)

November 28

Arc	Height	Mean (deg.)	Variance (m^2)	Variance (deg.^{2})
6 m	0.25	341.56	1.25	116.02
	0.50	340.74	1.44	133.65
	1.00	339.31	1.27	117.87
	1.50	339.68	1.65	153.14
	2.00	339.14	2.05	190.27
	2.50	341.33	1.87	173.56
	3.00	339.64	1.39	129.01
12 m	0.25	339.23	5.08	117.82
	0.50	339.19	4.88	113.18
	1.00	338.50	5.32	123.39
	1.50	339.13	5.41	125.48
	2.00	338.86	5.47	126.87
	2.50	337.72	5.41	125.48
	3.00	335.60	6.98	161.89
	3.50	339.90	1.39	32.24
	4.00	333.35	1.56	36.18
18 m	0.25	337.31	9.35	96.46
	0.50	337.43	9.93	102.45
	1.00	338.25	10.30	106.26
	1.50	337.92	10.24	105.64
	2.00	337.44	10.78	111.22
	2.50	337.51	10.30	106.26
	3.00	336.60	10.94	112.87
	3.50	338.17	14.14	145.88
	4.00	336.93	18.29	188.70
	4.50	336.27	20.80	214.59
	5.00	340.26	14.93	154.03

TABLE B-11

RAGWEED POLLEN DEPOSITION

($gr\ m^{-2}$)

November 14, 1960

Sector Distance (m)	B		C		D		E	
	Measured	Computed	Measured	Computed	Measured	Computed	Measured	Computed
2	48,100		98,400		89,283		30,337	
3	62,247		125,909		35,682		58,946	
4	50,300		243,015		28,922		27,665	
5	62,876		222,266		31,909		30,809	
6	59,103	9,752	166,621	126,252	53,130	1,285	28,294	252
12	53,287	2,293	178,253	46,066	47,628	76	6,444	
18	20,120	60	89,441	20,034	29,708	101	20,120	

TABLE B-11 (Continued)

November 17, 1960

Sector Distance (m)	C		D		E		F	
	Measured	Computed	Measured	Computed	Measured	Computed	Measured	Computed
2	3,458		78,595		236,885		12,103	
3	50,457		160,176		408,536		21,220	
4	96,357		429,600		777,933		196,487	
5	308,563		443,432		717,419		38,831	
6	270,366	96,264	346,761	265,003	600,151	533,383	96,514	21,420
12	134,711	27,418	305,105	73,534	259,926	248,926	51,872	2,621
18	32,381	11,189	68,220	16,985	130,153	99,036	97,772	403

TABLE B-11 (Concluded)

November 28, 1960

Sector Distance (m)	A		B		C	
	Measured	Computed	Measured	Computed	Measured	Computed
2	52,501		264,550		6,601	
3	123,394		503,951		8,173	
4	218,651		1,024,721		29,237	
5	279,483		1,044,213		25,779	
6	217,865	307,692	608,639	1,302,386	32,066	32,206
12	125,437	116,928	566,041	432,583	38,197	3,326
18	58,789	69,199	165,735	185,170	20,120	907

TABLE B-12

TOTAL POLLEN PASSING THROUGH THE ARRAY

Date	No. Grains Emitted	Total Pollen Flux Through Arcs		
		6 m	12 m	18 m
November 14	0.1141×10^9	0.0392×10^9	0.0416×10^9	0.0392×10^9
November 17	0.6814×10^9	0.3321×10^9	0.2455×10^9	0.1985×10^9
November 28	0.7396×10^9	0.6694×10^9	0.5882×10^9	0.5308×10^9

TABLE B-13

THE POLLEN BUDGET

November 28, 1960

Total pollen emitted	0.7396×10^9 grains
Total pollen through 6 m array	0.6694×10^9 grains
Total deposition to 6 m array	0.0096×10^9 grains
	0.6790×10^9 grains
Total pollen through 12 m array	0.5882×10^9 grains
Total deposition to 12 m array	0.0290×10^9 grains
	0.6172×10^9 grains
Total pollen through 18 m array	0.5308×10^9 grains
Total deposition to 18 m array	0.0465×10^9 grains
	0.5773×10^9 grains

TABLE B-14

THE COMPUTATION OF THE LATERAL COMPONENT OF EDDY DIFFUSIVITY FROM PROFILE MEASUREMENTS—OUT-OF-SEASON EXPERIMENT 1960

Date	Arc (m)	$\hat{u}$ (m sec^{-1})	$\partial^2\hat{\hat{\chi}}/\partial y^2$ (gr m^{-3})	$\partial\hat{\hat{\chi}}/\partial x$ (gr m^{-2})	K_y (m^2 sec^{-1})
November 14	6	2.890	-117	- 18.6	0.46
	12	3.055	- 65	- 19.7	0.93
	18	3.117	-112	- 20.7	5.38
November 28	6	2.970	- 20,960	-930	0.13
	12	2.995	- 5,084	-489	0.29
	18	3.121	- 824	48	0.18

TABLE B-15

THE EDDY DIFFUSIVITY COMPUTED BY TAYLOR'S METHOD— OUT-OF-SEASON EXPERIMENT 1960

Date	Eddy Diffusivity (m^2 sec^{-1})	Arcs		
		6-12 m	12-18 m	6-18 m
November 14	K_y	0.865	0.727	0.794
	K_z	0.080	0.074	0.076
November 17	K_y	2.708	2.420	2.585
	K_z	0.047	0.101	0.074
November 28	K_y	0.975	1.252	1.109
	K_z	1.039*	-0.937*	0.076

*Obvious error in the 12 m array variance.

TABLE B-16

COMPUTATIONS OF THE EDDY DIFFUSIVITY
BY THE LOGARITHMIC PROFILE METHOD

Date	$K(z)/z$ ($m\ sec^{-1}$)	$K(1/2\ m)$ ($m^2\ sec^{-1}$)
November 14	0.114	0.057
November 17	0.119	0.060
November 28	0.151	0.076

APPENDIX C

TABLE C-1

AIRCRAFT OBSERVATIONS OF POLLEN CONCENTRATIONS—
IN-SEASON EXPERIMENT 1962

August 25

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft)		Pollen Conc. $Gr.Vol.^{-1}$	
				Rt.	Lft.	Rt.	Lft.
0956/50	8000	240	11.5	3.1	3.0	1	1
	*4000-8000	1370		3.9	3.7	1	3
0932/00	4000	120	12.5	1.7	1.4	2	5
	etc.	380		2.8	2.7	8	4
0923/40	2000	120	13.5	1.5	1.5	3	5
		295		3.2	3.0	266	170
0916/45	1000	120	14.0	1.6	1.5	299	251
		90		2.4	2.2	501	385
0913/15	500	120	14.5	1.5	1.5	387	331
		115		1.3	1.2	373	250
0909/20	250	120	14.5	1.6	1.4	439	330
		185		1.7	1.7	466	403
0904/15	125	120	15	1.7	1.5	457	440
		75		0.85	0.75	259	187
0901/00	60	120	15	1.9	1.9	468	432
	-	-	-	-	-	1901	1509
	8000-4000	450		7.0	6.4	3	2
1008/20	4000	120	13.0	1.6	1.5	5	2
	etc.	400		4.6	4.4	154	105
1017/00	2000	120	13.5	1.6	1.5	123	96
		225		3.0	2.8	261	278
1022/45	1000	120	14.0	1.5	1.5	165	188
		100		2.1	2.0	245	(206)
1025/25	500	120	14.0	1.6	1.4	193	(163)
		135		1.7	1.5	213	208
1030/40	250	120	14.0	1.6	1.6	176	160
		100		1.3	1.3	121	(105)
1034/20	125	120	14.0	1.5	1.4	225	(196)
		240		3.1	2.8	287	138
1040/20	60	120	14.0	1.7	1.6	156	161

Note: 1. Each consecutive set of numbers in parentheses occurred in one sample, and have been tentatively distributed as shown.

2. Asterisk indicates pump not operated continuously in the interval.

TABLE C-1 (Continued)

August 25

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr. Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
1217/15	4000	120	12.5	1.5	1.3	24	17
		*300		5.5	5.2	329	262
1209/15	2000	120	13.5	1.5	1.4	197	134
		235		3.3	3.1	406	334
1203/00	1000	90#	14.0	1.4	1.3	175	167
		120#		1.6	1.5	253	177
1159/50	500	120	14.0	1.6	1.5	271	179
		155		2.1	2.0	304	204
1155/15	250	120	14.5	1.5	1.4	217	(182)
		45		0.80	0.75	91	(77)
1152/30	125	120	14.5	1.7	1.6	244	201
		70		1.0	0.85	149	84
1149/20	60	120	14.5	1.5	1.4	233	196
	-	-	-	3.3	3.1	539	375
		45		0.75	0.90	22	17
1220/00	4000	120	12.5	1.5	1.4	37	13
		400		4.		446	433
1228/40	2000	120	13.0	1.5	1.5	205	(174)
		195		3.4	3.2	359	(305)
1233/55	1000	120	13.5	1.6	1.5	184	(157)
		170		1.4	1.3	193	(97)
1238/45	500	120	13.5#	1.5	1.4	201	(102)
		120		1.4	1.4	197	61
1242/45	250	120	13.5#	1.6	1.6	207	168
		40		1.2	1.2	173	126
1245/25	125	120	13.5	1.5	1.3	178	164
		80		1.1	1.0	137	103
1248/45	60	120	13.5#	1.5	1.4	185	139
	Sfc. 60					220	198

#Data doubtful and corrected.

TABLE C-1 (Continued)

August 25

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
1958/00	3000	240	13.0	3.0	3.0	17	12
		M				3	6
	2000	120	13.5	1.5	1.5	2	0
		M				M	
	1000	120	14.0	1.5	1.5	2	1
		M				1	0
1939/40	500	120	14.5	1.5	1.5	6	1
		90		1.2	1.2	19	22
1936/10	250	120	14.5	1.5	1.5	34	19
		260		3.3	3.3	1	0
1929/50	125	120	14.5	1.5	1.5	4	1
		55		.69	.69	4	2
1926/55	60	120	15.0	1.5	1.5	2	4
	3000-2000	M				4	3
	2000	120		1.5	1.5	1	0
		M				1	1
	1000	120		1.5	1.5	3	3
		M				2	1
2008/50	500	120		1.5	1.5	3	0
		M				0	0

TABLE C-1 (Continued)

August 27

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
0516/15	8000	240	11	3.4	3.2	7	2
	8000-4000	600		7.6	7.1	0	0
0530/15	4000	240	13	3.2	3.0	4	0
		435		5.9	5.4	2	1
0541/30	2000	240	13.5	3.1	2.9	3	3
		455		6.0	5.6	2	1
0553/05	1000	240	13.5#	3.2	3.1	1	1
		110		1.1	1.2	3	1
0558/55	500	240	14.0	3.3	2.9	2	3
		85		1.1	1.0	1	2
0604/20	250	240	14.0	3.0	2.9	1	2
		95		1.2	1.1	0	5
0609/55	125	240	13.5#	3.0	2.8	1	0
		45		0.75	0.65	4	1
0614/40	60	240	13.5	2.8	2.7	0	1
0618/40	-	-	-				
	Sfc. 8000					2	0
0723/35	8000	240	12	3.3	3.2	0	0
	8000-4000	325		5.2	4.9	6	11
0733/00	4000	120	13	1.7	1.5	0	0
	etc.	340		4.7	4.4	1	0
0740/40	2000	120	13.5	1.6	1.5	0	1
		110		1.5	1.4	0	0
0744/30	1000	120	13.5#	1.6	1.5	2	1
		125		1.6	1.5	28	24
0748/35	300	120	14	1.6	1.5	46	52
		25		0.45	0.45	3	1
0751/00	250	90	14	1.3	1.3	0	4
		75		0.75	0.65	3	0
0753/45	125	120	14	1.5	1.4	4	2
		50		0.7	0.65	2	3
0756/35	60	120	14	1.6	1.4	7	0
0758/35	-	-	-				

Data doubtful and corrected.

TABLE C-1 (Continued)

August 27

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	Sfc.					160	118
0920/55	8000	240	11.5	3.2	3.0	19	14
	8000-4000	355		4.0	3.7	7	26
0930/50	4000	120	13.0	1.6	1.5	2	2
	etc.	125		1.7	1.7	6	5
0934/55	2000	120	14.0	1.6	1.5	114	104
		145		2.0	1.8	153	166
0939/55	1000	120	14.0	1.6	1.5	186	129
		130		1.7	1.6	159	115
0942/30	500	120	14.0	1.6	1.5	163	93
		90		1.2	1.1	136	80
0946/00	250	120	14.0	1.5	1.5	121	120
		90		1.2	1.0	107	101
0949/30	125	120	14.0	1.6	1.5	138	115
		120		1.5	1.5	159	147
0954/30	60	120	14.0	1.6	1.5	147	107
0956/30	-	-	-				
	Sfc.					160	102
1115/35	8000	240	11.0	3.1	3.0	4	13
	8000-4000	325		4.2	3.9	19	33
1125/00	4000	120	12.5	1.6	1.5	15	8
	etc.	155		2.0	1.9	44	36
1129/35	2000	120	13.0	1.5	1.5	42	33
		50		0.65	0.65	17	9
1132/25	1000	120	13.5	1.6	1.4	53	50
		65		0.9	0.85	30	22
1135/30	500	120	14.0	1.6	1.5	58	47
		110		1.3	1.3	79	27
1139/20	250	120	14.0	1.5	1.5	59	40
		120		1.5	1.5	78	36
1143/20	125	120	14.0	1.6	1.4	40	24
		100		1.3	1.2	32	29
1147/00	60	120	14.0	1.5	1.5	38	36
1149/00	-	-	-				

TABLE C-1 (Continued)

August 27

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. $^{-1}$ Gr.Vol.	
				Rt.	Lft.	Rt.	Lft.
Sfc.	8000					89	64
1305/40	8000	240	11.0	3.0	3.0	6	15
8000-	4000	425		5.7	5.3	11	19
1316/55	4000	120	12.5	1.6	1.5	30	9
etc.		200		2.7	2.5	62	68
1322/15	2000	120	13.0	1.5	1.4	36	41
		110		1.5	1.4	33	24
1326/06	1000	120	13.5	1.5	1.5	35	30
		130		1.6	1.6	52	52
1330/15	500	120	13.8	1.5	1.4	37	50
		110		1.4	1.3	44	30
1334/05	250	120	13.8	1.5	1.4	33	33
		70		0.95	0.9	22	18
1337/15	125	120	14.0	1.5	1.4	35	26
		55		0.7	0.7	26	15
1340/10	60	120	14.0	1.5	1.4	39	27
1342/10	-	-	-				
1717/25	8000	240	11.0			97	111
8000-	4000	65		3.0	2.9	0	3
1722/30	4000	120	12.5	3.9	3.7	21	35
etc.		400		1.6	1.5	22	24
1731/10	2000	120	13.0	3.0	2.7	71	65
		130		1.5	1.5	19	33
1735/20	1000	120	13.7	0.95	0.9	17	11
		112		1,5	1.5	39	23
1739/12	500	120	14.0	1.5	1.4	41	17
		83		1.5	1.4	31	40
1742/35	250	120	14.0	1.1	1.0	23	32
		100		1.5	1.5	40	31
1746/15	125	120	14.0	1.3	1.2	32	13
		103		1.5	1.5	41	32
1749/58		120		0.55	0.50	8	7
1751/58	-	-	-	1.5	1.4	43	36

TABLE C-1 (Continued)

August 27

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. $Gr.Vol.^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	8000	120				0	0
2039/40	8000	120	11.0	3.2	3.0	0	1
#4000	-8000	1105				17	3
2019/15	4000	120	12.5	1.6	1.4	28	48
#etc.		320				52	50
2011/55	2000	120	13.0	1.6	1.5	58	71
		190		2.4	2.3	39	25
2006/45	1000	120	14.0	1.6	1.5	31	41
#		150				10	16
2002/15	500	120	14.0	1.5	1.5	19	9
		45		0.6	0.55	3	8
1959/30	250	120	14.0	1.5	1.5	16	11
		110		1.4	1.3	12	14
1955/40	125	120	14.0	1.5	1.5	11	18
		40		0.55	0.55	4	5
1953/00	60	120	14.0	1.5	1.4	11	21
Sfc.	60	-	-			47	41

Vacuum applied only over latter part of interval.

TABLE C-1 (Continued)

August 28

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.)		Pollen Conc. $Gr.Vol.^{-1}$	
				Rt.	Lft.	Rt.	Lft.
*SFC.	8000					7	51
0520/50	8000	240	11.0	3.1	3.0	0	0
8000-	4000	550		8.2	7.7	41	6
0534/00	4000	120	13.0	1.6	1.5	4	5
		390		4.5	4.3	11	22
0542/30	2000	120	13.5	1.6	1.5	17	6
		185		2.5	2.3	22	11
0547/35	1000	120	14.0	1.6	1.5	24	21
		195		2.6	2.5	132	171
0552/50	500	120	14.0	1.5	1.5	1	0
		105		1.4	1.3	0	0
0556/35	250	120	14.0	1.5	1.5	0	0
Sfc.	250	-	-			0	0
*Sfc.	8000	420				10	10
0722/15	8000	120	11.0	1.7	1.5	0	1
8000-	4000	385		5.0	4.8	28	36
0730/40	4000	120	13.0	1.6	1.5	26	34
etc.		210		3.8	3.6	86	81
0736/10	2000	125	14.0	1.6	1.5	21	28
		140		1.9	1.8	14	17
0740/35	1000	120	14.0	1.6	1.5	7	6
		120		1.6	1.5	11	13
0744/35	500	120	14.0	1.6	1.5	20	29
		70		1.0	0.9	6	10
0747/45	250	120	14.0	1.5	1.4	23	22
		40		0.55	0.5	14	14
0750/25	125	120	14.0	1.6	1.5	19	25
		75		1.0	0.95	15	22
0753/40	60	120	14.0	1.5	1.4	30	31
Sfc.	60	110	3.0			33	28

TABLE C-1 (Continued)

August 28

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	*Sfc.8000					63	68
0924/35	8000	240	11.0	3.1	3.0	0	0
	8000-4000	325		4.3	4.0	17	19
0934/00	4000	120	12.0	1.6	1.5	10	7
	etc.	150		2.0	1.9	33	47
0938/30	2000	120	13.0	1.6	1.5	40	41
		165		2.2	2.0	33	39
0943/15	1000	120	14.0	1.6	1.5	18	53
		75		1.05	0.95	27	52
0946/30	5000	120	14.0	1.5	1.4	49	101
		75		1.0	0.95	96	87
0949/45	250	120	14.0	1.5	1.5	103	118
		30		0.55	0.5	33	58
0952/15	125	120	14.0	1.4	1.3	74	112
		90		0.45	0.45	30	21
0955/45	60	120	14.0	1.5	1.4	102	139
	Sfc. 60	135				110	113
	*Sfc.8000					127	166
1140/00	8000	240	11.0	3.0	3.0	0	3
	8000-4000	305		4.0	3.7	31	83
1149/05	4000	120	12.0	1.5	1.4	6	10
	etc.	160		2.1	2.0	41	104
1153/45	2000	120	13.0	1.5	1.4	80	75
		120		1.5	1.4	98	71
1157/45	1000	120	13.5	1.5	1.5	120	94
		120		1.5	1.4	106	M
1201/45	500	120	13.5	1.5	1.4	92	91
		70		0.9	0.85	51	46
1204/55	250	120	13.5	1.5	1.4	122	83
		70		0.85	0.8	75	49
1208/05	125	120	13.5	1.5	1.5	69	70
		40		0.5	0.45	27	17
1210/45	60	120	13.5	1.5	1.4	8[illegible]	75
	Sfc. 60	220				109	137

TABLE C-1 (Continued)

August 28

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.) Rt.	Vol. Sample (cu.ft.) Lft.	Pollen Conc. $Gr.Vol.^{-1}$ Rt.	Pollen Conc. $Gr.Vol.^{-1}$ Lft.
*	Sfc.-7000		11.0			88	97
1329/35	7000	240		3.0	2.9	4	0
	7000-4000	280		3.6	3.4	13	43
1338/15	4000	105		1.4	1.3	31	32
	4000	140		1.8	1.7	22	53
	4000	120		1.6	1.5	49	58
	4000	60		0.8	0.7	9	27
	4000	120		1.6	1.5	16	32
	4000-2000	245		3.2	3.0	57	73
1351/25	2000	120		1.5	1.5	24	45
		85		1.1	1.0	30	21
1354/50	1000	120		1.5	1.4	53	33
		95		1.2	1.2	33	34
1358/25	500	120		1.5	1.4	43	44
		75		0.95	0.8	23	19
1401/40	250	120		1.5	1.5	29	43
		50		0.65	0.6	5	15
1404/30	125	120	14.0	1.5	1.5	28	54
		40		0.5	0.45	17	18
1407/10	60	120		1.5	1.5	79	36
		60				17	31
						3	12
2043/15	7000	240	11.35	3.1	2.9	1	9
*	4000-7000	915				31	44
2026/00	4000	120	12.2	1.5	1.4	58	51
*	etc.	430				38	39
2016/50	2000	120	13.2	1.6	1.5	79	71
		215		2.6	2.4	76	59
2010/50	1000	145	14.0	2.2	2.0	43	39
		125		1.6	1.5	12	26
2008/44	500	120	14.0	1.5	1.5	74	58
		55		0.7	0.65	59	55

Note: Most of the Sfc. to 8000 ft. samples were taken in the following manner: The sampler was on during taxiing, and again between 7 and 8 thousand feet.

TABLE C-1 (Continued)

August 28

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.)		Pollen Conc. $(Gr.Vol.^{-1}$	
				Rt.	Lft.	Rt.	Lft.
2003/50	250	120	14.0	1.6	1.5	64	65
		90		1.1	1.1	44	33
2000/20	125	120	14.0	1.6	1.5	55	78
		45		0.6	0.55	27	27
1957/35	60	120	14.0	1.6	1.5	64	50
	Sfc. 60	-	-			102	112

TABLE C-1 (Continued)

August 29

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	*Sfc.7000					55	48
0538/50	7000	240	11.3	3.0	2.8	31	35
	*7000-4000	400				31	30
0549/30	4000	120	12.0	1.5	1.4	70	45
	*etc.	445				130	92
0558/55	2000	120	13.0	1.5	1.5	73	60
	*	190				87	75
0604/05	1000	120	13.6	1.5	1.4	51	47
	*	175				71	38
0609/00	500	120	14.0	1.5	1.5	70	62
		135		1.8	1.7	64	61
0613/15	250	120	14.0	1.5	1.4	70	63
		225		2.9	2.7	122	93
0619/00	125	120	14.0	1.5	1.4	49	54
		75		0.95	0.9	38	28
0622/15	60	120	14.7	1.5	1.4	62	46
	*Sfc.7000					56	47
0739/00	7000	240	11.2	2.6	2.5	10	16
	*7000-4000	315				1	0
0748/15	4000	120	12.3	1.5	1.4	2	3
	*etc.	235				12	23
0754/10	2000	120	13.2	1.5	1.5	31	55
		200		2.2	2.0	71	54
0759/30	1000	120	13.5	1.5	1.4	43	36
		100		1.3	1.2	56	53
0803/10	500	120	13.8	1.5	1.5	33	35
		85		1.1	1.0	41	40
0806/35	250	120	13.8	1.5	1.4	65	44
		65		0.85	0.8	37	34
0809/40	125	120	13.8	1.5	1.4	93	78
		65		0.85	0.8	25	39
0812/45	60	120	13.8	1.5	1.5	92	76

TABLE C-1 (Continued)

August 29

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.)		Pollen Conc. I^{-1} Gr. Vol.	
				Rt.	Lft.	Rt.	Lft.
	*Sfc.	8000				90	89
0941/30	8000	240	11.2	3.0	2.9	13	21
	*8000-4000	240				15	25
0949/30	4000	120	12.2	1.5	1.5	2	3
	*etc.	205				13	7
0954/55	2000	120	13.0	1.5	1.4	27	21
		250				65	56
1001/05	1000	120	13.4	1.5	1.4	128	147
		57		0.75	0.7	147	109
1004/02	500	120	13.6	1.5	1.4	164	159
		61		0.8	0.75	72	86
1007/03	250	120	13.7	1.5	1.4	187	138
		67		0.85	0.8	103	82
1010/10	125	120	13.8	1.5	1.4	177	164
		95		0.95	0.95	71	37
1013/45	60	120	13.8	1.5	1.4	185	173
	*Sfc.	7000				297	286
1132/35	7000	240	11.2	3.0	2.9	5	7
	*7000-4000	500				22	17
1144/55	4000	120	12.4	1.5	1.5	4	14
		170				67	88
1149/45	2000	120	13.0	1.5	1.5	84	61
		150				73	66
1154/15	1000	120	13.4	1.5	1.5	79	M
		120				49	53
1150/15	500	120	13.4	1.5	1.4	68	73
		50		0.65	0.65	34	32
1201/05	250	120	13.7	1.5	1.4	79	110
		70		0.9	0.8	71	48
1204/15	125	120	13.8	1.5	1.4	102	86
		45		0.6	0.55	30	36
1207/00	60	120	13.8	1.5	1.4	90	63

TABLE C-1 (Continued)

August 29

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu. ft.)		Pollen Conc. Gr. Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
*Sfc.	7000					174	168
1346/25	7000	240	11.2	3.1	2.9	0	6
*7000-4000		350				109	104
1356/15	4000	120	12.5	1.6	1.5	97	66
*etc.		160				116	101
1400/55	2000	120	13.6	1.6	1.5	86	105
*		165				81	77
1405/40	1000	120	13.8	1.5	1.5	101	91
		65		0.9	0.85	69	53
1408/45	500	120	13.9	1.5	1.5	112	95
		100		1.3	1.2	161	102
1412/25	250	120	14.2	1.6	1.5	114	136
		80		1.1	1.0	83	92
1415/45	125	120	14.2	1.5	1.5	111	161
		20		0.25	0.25	24	9
1418/05	60	120	14.2	1.6	1.5	130	82
*Sfc.	7000					91	109
1725/25	7000	240	11.6	3.2	3.1	41	16
*7000-4000		265				17	18
1733/50	4000	120	12.8	1.5	1.5	13	23
*etc.		260				34	33
1740/10	2000	120	13.8	1.6	1.6	86	69
*		130				49	36
1744/20	1000	120	14.2	1.5	1.5	62	40
*		120				37	59
1748/20	500	120	14.3	1.5	1.5	56	78
		95		1.4	1.3	41	51
1751/55	250	120	14.5	1.6	1.5	75	65
		50		0.75	0.7	34	22
1754/45	125	120	14.6	1.6	1.5	66	58
		35		0.5	0.45	12	21
1757/20	60	120	14.6	1.6	1.5	55	39

TABLE C-1 (Continued)

August 29

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol. Sample (cu.ft.)		Pollen Conc. Gr. Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	Sfc. 7000					0	0
2028/00	7000	180	11.7	2.4	2.3	2	4#
	4000-7000	1005				2	0
2009/15	4000	120	12.8	1.6	1.5	1	0
	*etc.	480				32	22
1959/15	2000	120	13.7	1.6	1.5	71	61
	*	210				60	48
1953/45	1000	120	14.1	1.6	1.5	80	53
		85		1.1	1.1	34	28
1950/20	500	120	14.3	1.6	1.5	70	61
		60		0.85	0.8	33	35
1947/20	250	120	14.3	1.6	1.5	57	46
		30		0.4	0.4	19	12
1944/50	125	120	14.4	1.6	1.5	52	59
	60-125	20		0.3	0.25	5	5
1942/30	60	120	14.5	1.6	1.5	60	43
	Sfc. 60					47	81

Error reported.

TABLE C-1 (Continued)

August 30

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Con. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
No Flights at 0500 or 0700 due to fog.							
	Sfc.7000					6	3
0836/55	7000	240	11.7	3.1	3.0	10	6
	*7000-4000	555				1	2
0850/00	4000	120	13.1	1.6	1.5	8	4
	*	265				19	0
0856/25	2000	120	13.8	1.6	1.6	3	12
		150		2.1	2.0	13	15
0900/55	1000	120	14.2	1.6	1.5	32	58
		80		1.05	1.05	44	47
0904/15	500	120	14.5	1.7	1.5	55	64
		110		1.5	1.4	56	59
0908/05	250	120	14.5	1.6	1.6	93	106
		30		0.45	0.4	82	56
0910/35	125	120	14.6	1.6	1.5	73	90
		80		0.3	0.25	7	10
0913/55	60	120	14.6	1.6	1.5	138	132
	60 Sfc.					75	59
	Sfc. 7000					89	63
1110/40	7000	240	11.6	3.2	3.1	3	2
	*7000-4000	300				2	9
1119/40	4000	120	13.1	1.6	1.6	16	7
	*	155				28	21
1124/15	2000	120	13.8	1.6	1.5	69	53
	*	185				78	64
1129/29	1000	120	14.3	1.7	1.6	60	65
		105		1.4	1.3	86	99
1133/05	500	120	14.6	1.6	1.6	113	107
		60		0.8	0.75	108	81
1136/05	250	120	14.6	1.7	1.6	87	75
		20		0.25	0.25	18	13
1139/25	125	120	14.6	1.7	1.6	119	142
		30		0.35	0.35	43	51
1140/55	60	120	14.6	1.6	1.5	85	95
	60 Sfc.					94	111

TABLE C-1 (Continued)

August 30

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	Sfc.					88	106
1313/00	7000	240	11.7	3.2	3.1	43	9
	*7000-4000	260				10	9
1321/20	4000	120	13.2	1.6	1.6	63	89
	*	210				78	75
1326/50	2000	120	13.8	1.7	1.6	143	105
	*	130				116	99
1331/00	1000	120	14.3	1.6	1.5	83	140
		115		1.7	1.6	89	218
1334/55	500	120	14.5	1.6	1.5	110	164
		70		0.95	0.95	75	97
1338/05	250	120	14.7	1.6	1.5	103	113
		30		0.45	0.4	29	34
1340/35	125	120	14.7	1.6	1.6	97	112
		30		0.4	0.4	13	36
1343/05	60	120	14.7	1.6	1.5	114	131
	Sfc.					224	178
1717/00	7000	250	12.0	3.4	3.3	1	13
	7000-4000	390		5.3	5.0	56	M
1727/40	4000	120	13.0	1.7	1.6	11	64
		285		3.9	3.7	54	178
1734/25	2000	120	14.0	1.6	1.5	48	54
		160		2.2	2.1	57	101
1739/05	1000	120	14.0	1.6	1.5	43	107
		65		0.85	0.8	33	59
1742/10	500	120	14.0	1.6	1.5	71	74
		90		1.2	1.1	35	82
1745/40	250	120	14.0	1.6	1.5	56	93
		45		0.75	0.75	33	39
1748/25	125	120	14.0	1.6	1.4	57	63
		40		0.45	0.45	13	14
1751/05	60	120	14.0	1.5	1.4	46	71

TABLE C-1 (Continued)

August 30

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. -1 Gr.Vol.	
				Rt.	Lft.	Rt.	Lft.
	7000-Sfc					42	41
2005/35	7000	240	11.0	3.1	3.1	6	50
	4000-7000	635		12.7	11.8	150	254
1953/00	4000	120	13.0	1.6	1.5	60	105
	etc.	445		5.8	5.5	176	261
1943/35	2000	120	13.0	1.5	1.5	71	91
		205		2.7	2.6	99	101
1938/10	1000	120	14.0	1.6	1.5	61	78
		110		1.4	1.4	41	35
1934/20	500	120	14.0	1.6	1.5	29	44
		30		0.35	0.35	13	9
1931/50	250	120	14.0	1.6	1.5	29	47
		30		0.45	0.45	5	11
1929/20	125	120	14.0	1.6	1.5	31	45
	60-125	40		0.55	0.5	6	19
1926/40	60	120	14.0	1.4	1.4	21	32
	Sfc- 60					24	31

TABLE C-1 (Continued)

August 31

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
	*Sfc-5800					58	30
0707/40	5800	240	12.0			129	112
	*5800-4000	215				17	16
0715/15	4000	120	13.0	1.6	1.5	2	10
	etc	165		2.3	2.1	24	6
0720/00	2000	120	13.8	1.7	1.7	6	1
		370		1.8	1.6	16	22
0728/10	#1000	120	14.2	1.6	1.5	15	33
		155		1.4	1.3	43	41
0732/45	# 500	120	14.4	1.6	1.5	24	20
		55		0.8	0.8	7	12
0735/40	# 250	120	14.4	1.6	1.4	19	15
		55		0.8	0.75	9	13
0738/35	125	120	14.4	1.6	1.5	26	25
	*Sfc-7000					46	57
0930/55	7000	240	11.8	3.1	3.0	9	12
	*7000-4000	325				5	5
0940/20	4000	120	12.9	1.6	1.5	2	3
	*	265				9	9
0946/45	2000	120	13.8	1.6	1.6	28	15
		95		1.3	1.3	8	11
0950/20	1000	120	14.0	1.6	1.5	64	92
		125		1.7	1.6	179	160
0953/25	500	120	14.2	1.7	1.6	260	201
		105		1.4	1.3	233	199
0948/10	250	120	14.2	1.6	1.5	323	247
		30		0.4	0.35	72	68
1000/40	125	120	14.3	1.6	1.5	289	268
		40		0.6	0.55	143	108
1003/20	60	120	14.3	1.5	1.5	310	245

Observed 10 miles south of airport.

TABLE C-1 (Continued)

August 31

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.)		Pollen Conc. Gr.Vol.$^{-1}$	
				Rt.	Lft.	Rt.	Lft.
*Sfc.	5000					120	115
1122/40	5000	240	9.8			33	52
		55				20	4
1127/35	4000	120	12.8	1.4	1.6	7	5
*		205				1	1
1133/00	2000	120	13.4	1.7	1.6	91	4
*		255				85	110
1139/15	1000	120	13.9	1.6	1.6	166	190
		60		0.8	0.85	105	143
1142/15	500	120	14.2	1.6	1.6	222	150
		180		2.5	2.4	280	307
1147/15	250	120	14.3	1.5	1.6	195	159
		60		0.8	0.8	103	98
1150/15	125	120	14.2	1.6	1.6	211	184
		30		0.4	0.35	62	42
1152/45	60	120	14.2	1.6	1.6	251	182
*Sfc.	1000					81	70
1304/10	1000	120	13.8	1.6	1.5	48	34
	1000-500	50		0.65	0.65	26	25
1307/00	500	120	14.0	1.6	1.6	83	54
etc.		85		1.1	1.1	40	43
1310/25	250	120	14.0	1.6	1.6	51	53
		42		0.55	0.55	24	20
1313/07	125	120	14.0	1.6	1.6	65	58
		1263		5.3	5.2	141	-
1336/10	60	120	14.2	1.6	1.6	54	40

TABLE C-1 (Concluded)

August 31

Time	Height (ft.)	Duration (sec)	Vacuum (Hg)	Vol.Sample (cu.ft.) Rt.	Vol.Sample (cu.ft.) Lft.	Pollen Conc. Gr.Vol.$^{-1}$ Rt.	Pollen Conc. Gr.Vol.$^{-1}$ Lft.
*Sfc.	2000					263	243
1742/20	2000	120	13.5	1.6	1.6	81	53
2000-	1000	80		1.1	1.1	71	37
1745/40	1000	120	13.8	1.6	1.6	86	71
etc.		100		1.4	1.3	89	70
1749/20	500	120	13.8	1.5	1.5	61	75
		45		0.6	0.6	40	28
1752/05	250	120	14.0	1.6	1.5	61	72
		80		1.0	1.0	48	42
1755/25	125	120	14.0	1.6	1.6	71	52
		155		2.1	2.0	110	106
1800/00	60	120	14.1	1.6	1.5	59	82
*4000-	Sfc.					23	29
2014/50	4000	120	13.2	1.6	1.5	55	36
*		320				32	19
2007/30	2000	120	13.2	1.6	1.6	105	63
*		195				38	46
2002/15	1000	120	13.7	1.6	1.6	62	69
*		100				34	21
1958/35	500	120	13.9	1.6	1.6	75	70
		55		0.75	0.75	43	36
1955/40	250	120	14.0	1.5	1.5	71	66
		20		0.3	0.3	13	7
1953/20	125	120	14.0	1.6	1.6	64	60
		30		0.4	0.4	26	28
1950/50	60	120	14.2	1.6	1.6	80	66
Sfc-	60					39	32

TABLE C-2

COMBINED SURFACE AND AIRCRAFT WEATHER OBSERVATIONS—
IN-SEASON EXPERIMENT 1962

August 25

Time				Top		C L O U D				Precipitation	
Start	End	Dew	Fog	Haze	Base	Cover	Top	Base	Cover	Top	Grnd.	Aircraft
0700-0901						Clear						
0901-1042					27	Sctd.	35(H45)	75	Sctd.			
1042-1149					27	Brkn.	35	75	Overc.			
1149-1155					27	Brkn.	35	75	Overc.			
1155-1157					27	Brkn.	35	75	Overc.			R-
1157-1200					27	Brkn.	35	75	Overc.			
1200-1211					27	Brkn.	35	75	Overc.			R-
1211-1248					27	Brkn.	35	75	Overc.			
1248-1250					27	Brkn.	35	75	Overc.			R-
1250-1351												
1351-1405											R-	
1405-1411											L--	
1411-1418											L-	
1418-1451											L--	
1451-1458											R-	
1458-1515											L-	
1515-1725												
1725-1755											R	
1755-1926												
1926-1936					40	Overc.	(lower scattered)					
1936-1940					40	Overc.	"	"				R-
1940-2008					40	Overc.	"	"				
2008-2009					40	Overc.	"	"				R-
2009-2011					40	Overc.	"	"				

TABLE C-2 (Continued)

August 27

Time			Top			C L O U D				Precipitation	
Start	End	Dew Fog	Haze	Base	Cover	Top	Base	Cover	Top	Grnd.	Aircraft
0500	0600	MDT	6500	28	Sctd.	42	52	Sctd.	60		
0600	0700										
0700	0800			4	Sctd-Brkn.	14	65	Sctd.	77		
0800	0900										
0900	1000			15	Sctd.						
1000	1100			30	Sctd.						
1100	1200			33	Sctd.	40					
1200	1300										
1300	1400			37	Brkn.	46					
1400	1500										
1500				40	Sctd.						
1600											
1700	1800		6500	45	Sctd.	60					
1800											
1900				40	Sctd.						
2000			6500		Clear						
2100											

Note: CB to north.
Bright sun at 0815.

TABLE C-2 (Continued)

August 28

Time				Top			C L O U D				Precipitation	
Start	End	Dew	Fog	Haze	Base	Cover	Top	Base	Cover	Top	Grnd.	Aircraft
0500-0600		Heavy	GF	50	45	Sctd-Brkn	50					
0600-0700					45	Sctd.						
0700					45	Brkn.	58					
0800												
0900				55	40	Sctd.	55					
1000					45	Sctd.						
1100					45	Sctd.	52					
1200					45	Sctd.						
1300					38	Brkn.	55					
1400												
1500					70	Sctd.						
1600												
1700					70	Sctd.						
1800												
1900												
2000					35	Hazy						
2100			F--			Clear						

TABLE C-2 (Continued)

August 29

Time				Top			C L O U D				Precipitation	
Start	End	Dew	Fog	Haze	Base	Cover	Top	Base	Cover	Top	Grnd.	Aircraft
0500-0600		dew	GF+*			Clear						
0600		dew	GF-	50								
0700		dew	H	50								
0800		dew	H									
0900	gone	0908		75								
1000					35	Sctd.	45					
1100					40	Sctd.						
1200					40	Sctd.	55					
1300					40	Sctd.						
1400												
1500						Clear						
1600												
1700				70-50		Clear						
1800												
1900						Clear						
2000	dew	2045		40								
2100						Clear						

*Fog 12 ft. deep.

TABLE C-2 (Continued)

August 30

Time			Top			CLOUD				Precipitation	
Start	End	Dew	Fog	Haze	Base	Cover	Top	Base	Cover	Top	Grnd.	Aircraft
0500-0600			GF+			Clear						
0600			F			Clear						
0700			F-			Clear						
0800			H		10	Sctd.	34					
0900			H			Clear						
1000			H			Clear						
1100			H		30	Sctd.	40					
1200			H		30	Sctd.	40					
1300			H		30	Sctd.	40					
1400			H			Clear						
1500			H									
1600			H									
1700			H	70								
1800												
1900			H	70	40	Sctd.	70	70	Sctd.	120		
2000		2055										
2100-2200								80	Sctd.			

Note: 0500-0600 Visibility 200 ft.
Sun first visible 0630.

TABLE C-2 (Concluded)

August 31

Time			Top			CLOUD				Precipitation	
Start	End	Dew	Fog	Haze	Base	Cover	Top	Base	Cover	Top	Grnd.	Aircraft
0500-0600		Light						80	Overc.			
0600			GF-									
0707-0715			H					58	Overc.			
0715-0800			H									
0800-0900								60	Overc.			
0900-1000								65	Overc.			
1000-1100					40	Overc.		65	Overc.			
1100-1115											First Drops	
1115-1130											L--	R--
1127-1133					37	Brkn.		60	Overc.			
1133-1145					37	Brkn.		60	Overc.		R--	
1145-1200					37	Sct.		60	Overc.			
1200-1300												
1300-1400					12	Brkn.		60	Overc.			
1500-1600					12	Overc.						
1600-1700												
1700-1800					14	Brkn.						
1800-1900			H		20	Overc.						
1900-2000												
2000-2100					16	Brkn.						

TABLE C-3

AIRCRAFT WET AND DRY THERMOCOUPLE TEMPERATURES—
IN-SEASON EXPERIMENT 1962

August 25

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C°)	Average Temp. Dry (C°)	Wet
0901/00	**	60	24.7	24.7	23.6*#
0904/15		125		25.2	23.3*#
0909/20		250		24.2	22.2*#
0913/15		500		24.6	23.5*#
0916/45		1000		23.9	23.2*#
0923/40		2000		23.4	21.6*#
0932/00		4000		19.2	18.8*#
0956/50	1000/50	8000		10.3	9.6*#
1008/20		4000		17.4	15.6#
1017/00		2000		20.8	18.9#
1022/45		1000		23.1	21.3#
1026/25		500		25.1	22.1#
1030/40		250		26.0	22.4#
1034/20		125		26.4	23.1#
1040/20		60	26.8	26.8	23.7#
1149/20		60	26.9	26.9	23.4#
1152/30		125		26.8	23.3#
1155/15		250		26.4	23.0#
1159/50		500		25.6	22.5#
1203/00	1205/20	1000		24.4	21.9#
1209/15		2000		21.5	20.4#
1217/15		4000		16.9	16.8#
1220/00		4000		16.3	15.8#
1228/40		2000		20.2	18.4#
1233/55		1000		22.7	20.0#

* Estimated value from poor record (applies to both wet and dry).
**When no time ending given, the sampling duration is 2 min.
Standardized by equating 60 ft. measurement with temperature observed at top of the tower.
Note: All temperatures were 2 min. averages, unless otherwise noted.

TABLE C-3 (Continued)

August 25

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C°)	Average Temp. Dry (C°)	Wet
1238/45		500		24.2	21.0#
1242/45		250		25.3	21.7#
1245/25		125		25.3	22.0#
1248/45	1249/45	60		25.3	22.1#
1926/55		60	21.3	21.3	20.3#
1929/50		125		21.1	20.3#
1936/10		250		21.5	20.3#
1939/40		500		21.0	18.6*#
1948/25		1000		M	M
M		2000		19.1	17.7#
M		3000		17.4	17.1#
M		2000		18.2	17.1#
M		1000		19.0	17.7#
2008/50		500		18.6	18.3#

TABLE C-3 (Continued)

August 27

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C°)	Average Temp. Dry (C°)	Wet
0516/15	0520/15	8000	17.2	4.3	3.4
0530/15	0534/15	4000		10.9	9.3
0541/30	0545/30	2000		13.9	13.1
0553/05	0557/05	1000		15.5	15.0
0558/55	0602/55	500		16.3	15.7
0604/20	0608/20	250		16.8	16.2
0609/55	0613/55	125		17.0	16.4
0614/40	0618/40	60	17.2	17.2	16.5
0723/35	0727/35	8000	17.0	4.6	3.6
0733/00		4000		11.9	9.2
0740/40		2000		13.6	11.8
0744/30		1000		15.4	14.2
0748/00		300		16.1	15.5
0751/00	0752/30	250		16.5	15.9
0753/45		125		16.8	16.1
0756/35		60	17.0	17.0	16.3
0920/55	0924/55	8000		5.3	3.4
0930/50		4000		10.4	7.8
0934/55		2000		13.3	10.7
0938/20		1000		15.9	13.2
0942/30		500		17.6	14.1
0946/00		250		18.5	14.8
0949/30		125		19.0	15.5
0953/30		60	19.5	19.5	15.8
1115/35	1119/35	8000		6.6	5.3
1125/00		4000		10.6	9.6
1129/35		2000		14.9	12.6
1132/25	1134/27	1000		17.7	14.3
1135/30		500		19.4	15.5
1139/20		250		20.6	16.5
1143/20		125		21.1	17.0

TABLE C-3 (Continued)

August 27

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C°)	Average Temp. Dry (C°)	Wet
1147/00		60	21.2	21.2	17.4
1305/40	1309/40	8000		6.0	4.6
1316/55		4000		10.3	9.5
1322/15		2000		15.4	12.3
1326/05		1000		18.3	14.3
1330/15		500		20.0	15.7
1334/05		250		20.0	16.6
1337/15		125		21.1	16.9
1340/10		60	21.7	21.7	17.3
1717/25	1721/25	8000		7.0	4.7
1722/30		4000		11.8	10.5
1731/10		2000		17.0	13.7
1735/20		1000		20.2	15.7
1739/12		500		21.7	16.8
1742/35		250		22.7	17.5
1746/15		125		23.2	18.1
1749/58		60	23.3	23.3	18.4
1953/00	2043/40	60	21.4#	21.3	17.5
1955/40		125		21.6	17.4
1959/30		250		21.6	17.2
2002/15		500		21.1	16.7
2006/45		1000		20.4	16.2
2011/55		2000		17.8	15.1
2014/15		4000		13.5	12.5
2039/40		8000	18.7	7.5	2.2

TABLE C-3 (Continued)

August 28

Time Starting	Time Ending	Height (ft.)	Temp.at top of tower (C^{o})	Average Temp. Dry (C^{o})	Wet
0520/50	0524/50	8000		9.6	5.3
0534/00		4000		12.6	11.2
0542/30		2000		17.2	13.7
0547/35		1000		19.7	15.8
0552/50		500		20.6	16.7
0556/35		250	18.2	19.9	16.8
M		125		M	M
M		60		M	M
0722/15	0726/15	8000		9.0	4.9
0730/40		4000		13.0	11.6
0736/10	0738/15	2000		18.0	14.2
0740/35		1000		20.1	15.2
0744/35		500		19.9	16.1
0747/45		250		19.6	16.4
0750/25		125		18.9	16.6
0753/40		60	18.2	18.2	17.0
0924/35	0928/35	8000		10.8	7.0
0934/00		4000		14.4	12.3
0938/30		2000		18.5	15.3
0943/15		1000		21.3	16.3
0946/30		500		22.0	18.0
0949/45		250		22.4	18.8
0952/15		125		23.2	19.3
0955/45		60	23.3	23.3	19.5
1140/00	1144/00	8000		10.5	6.7
1149/05		4000		14.6	12.9
1153/45		2000		18.9	16.1
1157/45		1000		22.5	18.1
1201/45		500		24.0	19.3
1204/55		250		25.0	20.1
1208/05		125		25.5	20.6
1210/45		60	25.8	25.8	20.9

TABLE C-3 (Continued)

August 28

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C^{o})	Average Temp. Dry (C^{o})	Wet
1329/35	1333/35	7000		13.3	8.6
1338/15	1340/00	4000		15.4	13.2
1351/25		2000		20.4	17.1
1354/50		1000		23.4	18.6
1358/25		500		25.1	19.7
1401/40		250		26.1	20.6
1404/30		125		26.2	21.1
1407/10		60	26.7	26.7	21.1
2043/15	2047/15	7000		12.4	6.9
2026/00		4000		17.5	15.7
2016/50		2000		22.2	18.8
2010/50	2013/15	1000		23.5	19.9
2006/45		500		23.5	19.5
2003/50		250		23.6	19.9
2000/20		125		23.3	19.9
1957/35		60		23.1	19.9

TABLE C-3 (Continued)

August 29

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower(C°)	Average Temp. Dry(C°)	Wet
0538/50	0542/50	7000		11.8	5.7
0549/30		4000		14.8	12.3
0558/55		2000		19.4	16.3
0604/05		1000		21.7	17.9
0609/00		500		23.1	18.5
0613/15		250		23.2	17.2
0619/00		125		19.3	17.3
0622/15		60	18.1	18.1	17.2
0739/00	0743/00	7000		26.5	7.0*
0748/15		4000		16.4	15.8*
0754/10		2000		19.7	19.3*
0759/30		1000		21.9	21.6*
0803/10		500		22.8	22.5
0806/35		250		21.6	18.3
0809/40		125		21.8	18.6
0812/45		60	22.0	21.9	20.7
0941/30	0945/30	7000		13.8	11.6
0949/30		4000		16.9	16.4
0954/55		2000		20.6	20.2
1001/05		1000		23.2	19.9
1004/02		500		24.4	20.8
1007/03		250		25.2	21.3
1010/10		125		25.6	21.7
1013/45		60	26.0	26.0	21.6
1132/35	1136/35	7000		13.0	12.1
1144/55		4000		15.8	15.8
1149/45		2000		20.4	17.7
1154/15		1000		23.3	19.3
1158/15		500		26.0	20.0
1201/05		250		26.0	24.8
1204/15		125		26.6	25.7
1207/00		60	27.0	27.0	26.2

TABLE C-3 (Continued)

August 29

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C^o)	Average Temp. Dry (C^o)	Wet
1346/25	1350/25	7000		14.2	7.6*
1356/15		4000		16.5	15.0*
1400/55		2000		21.7	18.1*
1405/40		1000		24.8	19.6*
1408/45		500		25.83	19.8*
1412/25		250		26.6	20.3*
1415/45		125		27.1	21.3*
1418/05		60	28.3	28.3	21.6*
1725/25	1729/25	7000	28.3	15.1	8.8*
1733/50		4000		18.8	12.3*
1740/10		2000		23.1	18.2*
1744/20		1000		24.6	18.4*
1748/20		500		27.0	20.1*
1751/55		250		27.9	21.1*
1754/45		125		28.1	21.2*
1757/20		60	28.4	28.4	21.2*
2028/00	2031/00	7000		12.8	6.8*
2009/15		4000		20.2	11.3*
1959/15		2000		22.0	18.3*
1953/45		1000		25.3	19.5*
1950/20		500		26.3	20.0*
1947/20		250		27.0	20.8*
1944/50		125		26.8	21.2*
1942/30		60		26.8	21.3*

TABLE C-3 (Continued)

August 30

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C^o)	Average Temp. Dry (C^o)	Wet
0836/55	0840/55	7000		12.8	6.7
0850/00		4000		18.1	10.6
0856/25		2000		20.6	17.1
0900/55		1000		22.8	18.8
0904/15		500		22.8	19.3
0908/05		250		22.5	20.0
0910/35		125		22.3	20.1
0913/55		60	22.5	23.1	20.5
1110/40	1114/40	7000		12.8	6.8
1119/40		4000		16.4	13.0
1124/15		2000		20.0	17.1
1129/20		1000		23.0	19.1
1133/05		500		24.7	19.9
1136/05		250		25.6	20.6
1139/25		125		26.2	21.0
1140/55		60	26.9	26.6	21.3
1313/00	1317/00	7000		12.6	6.6
1321/20		4000		16.5	12.6
1325/50		2000		21.3	17.3
1331/00		1000		24.3	18.9
1334/55		500		26.0	20.2
1338/05		250		26.7	20.9
1340/35		125		27.7	21.6
1343/05		60	28.3	28.2	21.9
1717/00	1721/00	7000		13.2	6.2
1727/40		4000		17.7	13.7
1734/25		2000		22.9	17.8
1739/05		1000		25.3	19.7
1742/10		500		26.2	21.0
1745/40		250		27.2	21.6
1748/25		125		27.5	22.0
1751/05		60	28.0	27.7	22.3

TABLE C-3 (Continued)

August 30

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower(C^{o})	Average Temp. Dry (C^{o})	Wet
1926/40		60	25.5	26.0	21.7
1929/20		125		26.1	21.5
1931/50		250		26.2	21.2
1934/20		500		26.5	20.4
1938/10		1000		26.1	20.2
1943/35		2000		23.9	19.2
1953/00		4000		18.2	16.4
2005/35	2009/35	7000		11.5	10.4

TABLE C-3 (Continued)

August 31

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C°)	Average Temp. Dry (C°)	Wet
0707/40	0711/40	5800		12.3	9.8
0715/15		4000		16.8	11.7
0720/00		2000		22.3	14.8
0728/10		1000		21.7	18.1
0732/45		500		22.9	18.5
0735/40		250		23.7	18.7
0738/35		125		22.7	19.0
Fog		60	22.2	M	M
0930/55	0934/55	7000		10.7	9.3
0940/20		4000		16.8	12.5
0946/45		2000		20.9	15.8
0950/20		1000		22.9	17.7
0952/25		500		23.7	19.3
0958/10		250		24.3	19.8
1000/40		125		24.5	20.1
1003/20		60	24.8	24.9	20.4
1122/40	1126/40	5000		14.4	13.9
1127/35		4000		16.2	15.0
1133/00		2000		19.0	17.7
1139/15		1000		21.2	18.7
1142/15		500		22.3	19.4
1147/15		250		23.2	20.0
1150/15		125		23.5	20.2
1152/45		60	23.8	23.7	20.4
-	Low Ceiling			-	-
-	"	"		-	-
-	"	"		-	-
1304/10		1000		21.2	20.2
1312/00				21.8	
1310/25		250		22.5	20.1
1313/07		125		23.1	20.1
1336/10		60		23.3	21.1

TABLE C-3 (Concluded)

August 31

Time Starting	Time Ending	Height (ft.)	Temp. at top of tower (C°)	Average Temp. Dry (C°)	Wet
1742/20	1745/40	2000		22.4	21.2*
1745/40		1000		24.3	22.2*
1749/20		500		25.5	22.8
1752/05		250		25.9	23.5
1755/25		125		26.9	24.1
1800/00		60	25.8	26.0	23.1
2014/56	4000			17.1	17.0
2007/30	2000			21.3	20.1
2002/15	1000			24.0	22.2
1958/35		500		25.2	22.7
1955/40		250		25.9	22.9
1953/20		125		25.9	23.0
1950/50		60	25.4	25.8	23.3

TABLE C-4

TOWER OBSERVATIONS OF POLLEN CONCENTRATION—
IN-SEASON EXPERIMENT 1962

August 25

Time ON	Time OFF	Height (m)	Conc. (Gr. m^{-3})
0700	0800	½	15
		4	150
		7	257
		10	465
		13	1262
		16	649
0900	1000	½	117
		4	336
		7	168
		10	698
		13	172
		16	147
1141	1251	½	150
		4	912
		7	353
		10	323
		13	1095
		16	417
1251	1351	½	122
		4	301
		7	352
		10	464
		13	607
		16	183
1405	1421	½	131
		4	45
		7	98
		10	41
		13	30
		16	109

TABLE C-4 (Continued)

August 25

Time ON	OFF	Height (m)	Conc. ($Gr.\ m^{-3}$)
1421	1436	½	64
		4	124
		7	28
		10	96
		13	8
		16	36
1436	1451	½	80
		4	104
		7	12
		10	12
		13	64
		16	20
1506	1521	½	40
		4	40
		7	24
		10	16
		13	8
		16	0
1521	1536	½	32
		4	16
		7	12
		10	76
		13	24
		16	88
1536	1601	½	65
		4	29
		7	67
		10	48
		13	24
		16	12

TABLE C-4 (Continued)

August 25

Time ON	OFF	Height (m)	Conc. (Gr. m^{-3})
1601	1800	½	82
		4	3
		7	81
		10	11
		13	74
		16	5
1800	1923	½	97
		4	7
		7	122
		10	11
		13	9
		16	1
1923	2012	½	M
		4	M
		7	M
		10	M
		13	M
		16	2

TABLE C-4 (Continued)

August 27

Time ON	OFF	Height (m)	Conc. ($Gr.\ m^{-3}$)
0500	0600	½	10
		4	13
		7	9
		10	24
		13	5
		16	14
0600	0700	½	9
		4	10
		7	15
		10	10
		13	4
		16	11
0700	0800	½	28
		4	34
		7	26
		10	21
		13	37
		16	28
0800	0900	½	703
		4	857
		7	949
		10	856
		13	1018
		16	585
0900	1000	½	1174
		4	1094
		7	1125
		10	1447
		13	991
		16	864

TABLE C-4 (Continued)

August 27

Time ON	OFF	Height (m)	Conc. (Gr. m^{-3})
1000	1100	½	449
		4	442
		7	476
		10	607
		13	476
		16	427
1100	1200	½	298
		4	290
		7	285
		10	401
		13	430
		16	M
1200	1300	½	289
		4	280
		7	316
		10	298
		13	350
		16	M
1300	1400	½	245
		4	392
		7	M
		10	M
		13	M
		16	M
1500	1600	½	182
		4	202
		7	M
		10	M
		13	M
		16	M

TABLE C-4 (Continued)

August 27

Time ON	OFF	Height (m)	Conc. (Gr. m^{-3})
1700	1800	½	143
		4	132
		7	M
		10	M
		13	M
		16	M
1900	2000	½	102
		4	74
		7	M
		10	M
		13	M
		16	M

TABLE C-4 (Continued)

August 28

Time ON	OFF	Height (m)	Conc. (Gr. m^{-3})
0500	0600	½	149
		4	151
		7	124
		10	184
		13	128
		16	66
0600	0700	½	176
		4	155
		7	175
		10	251
		13	131
		16	215
0700	0800	½	185
		4	177
		7	166
		10	220
		13	314
		16	168
0800	0900	½	215
		4	220
		7	193
		10	186
		13	145
		16	183
0900	1000	½	376
		4	480
		7	497
		10	539
		13	440
		16	394

TABLE C-4 (Continued)

August 28

Time ON	OFF	Height (m)	Conc. ($Gr.m^{-3}$)
1000	1100	½	827
		4	823
		7	814
		10	949
		13	685
		16	729
1100	1200	½	584
		4	603
		7	763
		10	668
		13	772
		16	572
1200	1300	½	426
		4	427
		7	382
		10	426
		13	486
		16	336
1300	1400	½	316
		4	303
		7	M
		10	M
		13	M
		16	M
1510	1610	½	223
		4	217
		7	213
		10	237
		13	223
		16	227

TABLE C-4 (Continued)

August 28

Time ON	Time OFF	Height (m)	Conc. ($Gr.m^{-3}$)
1700	1800	½	245
		4	269
		7	248
		10	287
		13	225
		16	227
1900	2000	½	225
		4	234
		7	237
		10	255
		13	287
		16	290
2100	2200	½	249
		4	35
		7	299
		10	362
		13	262
		16	266

TABLE C-4 (Continued)

August 29

Time ON	OFF	Height (m)	Conc. (Gr. m^{-3})
0500	0600	½	47
		4	101
		7	153
		10	182
		13	117
		16	121
0600	0700	½	314
		4	181
		7	247
		10	297
		13	251
		16	211
0700	0800	½	243
		4	281
		7	350
		10	273
		13	380
		16	268
0800	0900	½	447
		4	552
		7	655
		10	701
		13	765
		16	486
0900	1000	½	1018
		4	970
		7	947
		10	1053
		13	935
		16	858

TABLE C-4 (Continued)

August 29

Time ON	OFF	Height (m)	Conc. ($Gr.\ m^{-3}$)
1000	1100	½	661
		4	626
		7	680
		10	803
		13	665
		16	546
1100	1200	½	479
		4	355
		7	373
		10	308
		13	390
		16	316
1200	1300	½	487
		4	402
		7	459
		10	397
		13	439
		16	319
1300	1400	½	498
		4	434
		7	622
		10	533
		13	419
		16	429
1500	1600	½	482
		4	504
		7	456
		10	591
		13	1556
		16	392

TABLE C-4 (Continued)

August 29

Time ON	OFF	Height (m)	Conc. (Gr. m^{-3})
1700	1800	½	226
		4	214
		7	277
		10	180
		13	300
		16	311
1900	2000	½	241
		4	132
		7	165
		10	215
		13	269
		16	321
2100	2200	½	184
		4	188
		7	191
		10	228
		13	219
		16	209

TABLE C-4 (Continued)

August 30

Time ON	OFF	Height (m)	Conc. ($Gr. m^{-3}$)
0500	0600	½	63
		4	34
		7	52
		10	32
		13	36
		16	79
0600	0700	½	65
		4	73
		7	55
		10	40
		13	37
		16	36
0700	0800	½	139
		4	132
		7	147
		10	130
		13	164
		16	89
0800	0900	½	299
		4	M
		7	M
		10	M
		13	M
		16	M
0900	1000	½	592
		4	670
		7	574
		10	659
		13	508
		16	545

TABLE C-4 (Continued)

August 30

Time ON	OFF	Height (m)	Conc. ($Gr.\ m^{-3}$)
1000	1100	½	606
		4	698
		7	509
		10	663
		13	661
		16	486
1100	1200	½	525
		4	618
		7	645
		10	765
		13	449
		16	517
1200	1300	½	588
		4	593
		7	620
		10	701
		13	496
		16	425
1320	1420	½	395
		4	614
		7	930
		10	1048
		13	810
		16	339
1500	1600	½	382
		4	364
		7	338
		10	367
		13	559
		16	305

TABLE C-4 (Continued)

August 30

Time ON	Time OFF	Height (m)	Conc. ($Gr.\ m^{-3}$)
1700	1800	½	326
		4	236
		7	250
		10	305
		13	313
		16	351
1900	2000	½	136
		4	231
		7	224
		10	188
		13	220
		16	199
2100	2200	½	294
		4	310
		7	388
		10	323
		13	460
		16	377

TABLE C-4 (Continued)

August 31

Time ON	Time OFF	Height (m)	Conc. ($Gr.\ m^{-3}$)
0500	0600	½	77
		4	84
		7	124
		10	103
		13	132
		16	114
0600	0700	½	78
		4	112
		7	97
		10	89
		13	82
		16	111
0705	0800	½	233
		4	367
		7	261
		10	172
		13	165
		16	248
0800	0900	½	489
		4	336
		7	639
		10	212
		13	421
		16	559
0900	1000	½	765
		4	719
		7	786
		10	965
		13	912
		16	728

TABLE C-4 (Continued)

August 31

Time ON	OFF	Height (m)	Conc. ($Gr. m^{-3}$)
1000	1100	½	1044
		4	361
		7	398
		10	1352
		13	1539
		16	804
1100	1115	½	1688
		4	1188
		7	1156
		10	956
		13	688
		16	904
1115	1130	½	1256
		4	756
		7	720
		10	764
		13	704
		16	1084
1130	1145	½	1300
		4	1256
		7	1644
		10	1568
		13	1952
		16	1216
1145	1200	½	1156
		4	1300
		7	1260
		10	1488
		13	1884
		16	1168

TABLE C-4 (Continued)

August 31

Time ON	OFF	Height (m)	Conc. ($Gr. m^{-3}$)
1200	1300	½	1101
		4	659
		7	1119
		10	1330
		13	1035
		16	1035
1300	1400	½	384
		4	160
		7	239
		10	317
		13	267
		16	196
1400	1500	½	140
		4	98
		7	73
		10	46
		13	35
		16	54
1500	1600	½	146
		4	84
		7	162
		10	132
		13	117
		16	64
1600	1700	½	230
		4	292
		7	300
		10	324
		13	254
		16	231

TABLE C-4 (Concluded)

August 31

Time ON	Time OFF	Height (m)	Conc. (Gr. m^{-3})
1700	1800	½	282
		4	309
		7	367
		10	381
		13	258
		16	278
1800	1900	½	111
		4	116
		7	179
		10	311
		13	317
		16	149
1900	2000	½	241
		4	121
		7	50
		10	142
		13	417
		16	180
2000	2100	½	247
		4	246
		7	294
		10	277
		13	225
		16	311

TABLE C-5

WET AND DRY THERMOCOUPLE RECORD FROM THE 20 m TOWER (°F)—IN-SEASON EXPERIMENT 1962

August 25

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
636	70.5	70.1	69.1	69.2	69.0	69.0	71.5	71.9	72.1	72.2	72.3	72.2
646	69.4	69.3	69.2	69.1	69.0	69.0	72.1	72.2	72.4	72.3	72.4	72.2
656	69.7	69.5	69.5	69.4	69.3	69.3	72.5	72.5	72.5	72.7	72.6	72.5
706	70.1	69.9	69.9	69.7	69.5	69.6	72.9	72.9	73.0	73.0	73.0	73.0
716	70.4	70.1	70.0	89.9	69.6	69.5	73.2	73.2	73.2	73.4	73.4	73.1
726	70.4	70.0	70.0	69.7	69.6	69.8	73.6	73.5	73.5	73.5	73.5	73.4
736	70.6	70.2	70.2	69.9	69.8	69.7	74.1	73.9	73.8	73.8	73.7	73.6
746	70.8	70.1	70.0	69.9	69.8	69.8	74.3	74.1	74.0	74.0	73.9	73.8
756	71.1	70.5	70.4	70.0	70.0	69.9	74.9	74.5	74.4	74.3	74.1	74.2
806	71.5	70.8	70.5	69.9	70.0	70.0	75.0	74.6	74.7	74.6	74.5	74.5
816	71.5	70.5	70.5	70.1	70.1	70.1	75.9	75.4	75.0	75.1	75.0	75.0
826	71.6	71.0	70.6	70.4	70.3	70.1	76.5	76.0	75.6	75.6	75.5	75.5
836	71.9	71.2	71.2	70.5	70.7	70.5	77.0	76.2	76.0	76.0	75.8	75.5
846	71.9	71.0	70.5	70.2	70.3	70.5	77.7	77.0	76.5	76.5	76.2	76.2
856	72.5	71.3	71.1	70.7	70.7	70.7	78.0	77.0	76.5	76.5	76.3	76.5
906	72.5	70.2	71.0	70.9	70.9	71.0	78.2	77.2	77.0	77.0	77.0	77.0
916	72.5	71.2	71.2	70.5	70.5	70.7	79.0	78.0	78.0	77.5	77.2	77.0
926	77.6	71.5	71.5	71.0	70.2	70.4	79.8	78.2	78.0	78.0	77.5	77.2
936	72.9	71.5	71.5	71.0	71.0	71.0	79.5	78.2	78.0	78.0	77.5	77.5
946	73.0	72.0	71.5	71.0	71.0	71.2	80.5	78.7	78.2	78.3	78.2	78.2
956	73.5	72.0	71.5	71.0	71.0	71.0	79.0	78.5	78.5	78.5	78.5	78.5
1006	73.2	72.0	72.0	72.0	72.0	72.0	81.5	79.5	79.2	79.2	79.0	79.0
1016	73.5	72.7	72.1	71.8	71.9	71.9	82.5	81.0	80.9	80.1	79.8	79.8
1026	74.0	72.5	72.4	72.2	71.1	71.1	82.8	80.5	80.0	80.0	80.0	79.7

TABLE C-5 (Continued)

August 25

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1036	73.7	72.7	72.0	71.5	71.8	72.0	80.5	80.5	80.5	80.5	80.5	80.5
1046	73.8	73.0	72.4	72.0	72.0	72.0	81.2	80.7	80.2	80.2	80.0	80.0
1056	73.2	72.5	72.1	72.0	71.9	71.5	81.0	80.5	80.5	80.5	80.3	80.2
1106	74.0	73.0	72.7	72.0	72.0	71.9	81.5	81.0	80.6	80.5	80.3	80.2
1116	73.5	72.5	72.2	72.0	72.0	72.0	81.4	80.8	80.5	80.5	80.2	80.2
1126	73.5	72.9	72.5	72.0	72.0	72.0	83.0	81.8	81.1	81.3	81.3	80.1
1136	75.2	74.0	73.5	72.5	72.5	72.5	82.0	80.2	80.9	81.0	81.0	80.8
1146	73.4	72.5	71.9	70.5	70.5	70.5	81.0	81.0	80.5	80.5	80.2	80.2
1156	72.7	72.0	72.0	71.7	71.7	71.5	81.5	81.1	81.0	80.7	80.5	80.5
1206	73.5	72.0	71.5	71.0	71.0	71.0	81.8	81.5	81.5	81.0	80.9	80.7
1216	73.0	72.5	72.5	71.8	71.5	71.5	81.6	81.4	81.3	81.0	80.8	80.7
1226	72.5	72.0	71.8	71.5	71.5	71.2	80.5	80.5	80.2	80.0	79.9	79.9
1236	72.3	71.8	71.5	71.0	71.0	71.0	80.5	80.5	80.2	80.0	79.7	79.5
1246	71.5	71.0	71.0	70.6	70.5	70.6	79.0	79.0	79.2	79.2	79.0	79.0
1256	72.5	72.0	72.0	71.5	71.5	71.5	79.2	78.8	78.7	78.5	78.5	78.5
1306	72.4	71.7	71.4	71.0	71.0	71.0	79.4	78.6	78.3	78.0	78.0	77.8
1316	72.5	71.9	71.4	71.0	71.0	71.0	78.5	77.6	77.2	77.0	77.0	77.0
1326	72.0	71.2	70.8	70.5	70.2	70.1	77.8	77.4	77.0	76.8	76.5	76.5
1336	71.8	71.0	70.5	70.1	70.1	70.1	78.5	77.5	77.0	76.9	76.5	76.2
1346	71.5	71.0	71.0	70.8	70.8	70.8	76.8	76.0	75.5	75.5	75.0	74.7
1356	71.0	71.8	70.8	70.5	70.8	70.6	73.0	73.0	73.0	73.0	73.2	73.0
1406	71.5	71.0	71.0	70.5	71.0	71.0	73.5	73.2	73.1	73.0	72.9	72.6
1416	71.3	70.7	71.0	70.1	70.5	70.7	73.2	73.0	72.7	72.8	72.5	72.5

TABLE C-5 (Continued)

August 25

Height (m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1426	72.0	71.2	71.0	71.0	70.7	70.5	73.5	73.0	73.0	72.9	72.9	72.8
1436	71.4	70.6	70.6	70.1	70.1	70.1	73.0	73.0	73.0	73.0	73.0	72.7
1446	71.9	71.0	70.8	70.8	70.5	70.2	73.1	73.1	73.0	73.0	73.0	72.8
1456	71.0	70.5	70.2	70.0	70.4	70.0	73.0	73.0	73.0	72.5	73.0	72.7
1506	71.1	70.7	70.5	70.1	70.5	70.1	73.0	73.0	73.0	73.0	73.0	73.0
1516	71.5	70.9	70.7	70.5	70.5	70.4	74.2	73.9	73.7	73.5	73.5	73.5
1526	72.5	70.8	71.2	70.7	71.0	70.8	77.1	75.1	75.0	75.1	74.0	74.0
1536	73.0	71.2	71.5	71.0	70.5	70.1	76.0	75.2	75.1	75.1	75.9	75.0
1546	71.5	71.0	70.8	70.5	70.6	70.4	75.1	74.5	74.5	74.5	74.5	74.5
1556	71.5	70.9	71.2	71.0	71.0	70.7	75.1	75.0	74.9	74.9	74.9	74.9
1606	71.6	71.3	71.1	70.8	70.9	70.8	75.5	75.0	75.1	75.0	75.0	74.9
1616	72.7	71.8	71.5	70.2	71.0	71.0	76.8	76.0	76.0	76.0	75.8	75.5
1626	72.9	72.0	71.8	71.2	71.0	71.0	76.9	76.5	76.2	76.0	76.0	76.0
1636	72.8	71.9	71.5	71.4	71.5	71.5	78.5	77.5	77.5	77.2	76.8	76.6
1646	73.1	72.0	72.1	71.6	71.7	71.7	77.8	77.2	77.0	76.5	76.4	76.5
1656	72.2	71.9	71.8	71.5	71.5	71.5	76.7	76.6	76.5	76.5	76.5	76.5
1706	72.0	71.9	71.8	71.3	71.5	71.5	76.4	76.5	76.5	76.5	76.1	76.1
1716	72.1	72.0	71.9	71.5	71.5	71.5	76.0	76.1	76.2	76.0	76.0	76.0
1726	72.0	72.0	72.0	71.7	71.6	71.5	75.0	74.5	74.0	74.0	74.0	73.5
1736	71.1	71.0	71.0	70.3	70.9	70.9	72.2	72.3	72.2	72.2	72.5	72.2
1746	70.4	70.1	70.5	70.0	70.5	70.2	71.5	72.0	72.0	71.0	72.1	72.0
1756	70.7	70.4	70.7	70.1	70.5	70.5	70.6	70.5	70.5	69.2	70.5	70.5
1806	69.5	69.9	69.5	69.8	69.0	69.0	70.1	70.1	70.1	69.0	70.1	70.1
1816	69.0	68.9	68.8	68.3	68.5	68.5	70.0	69.9	69.9	68.5	70.0	70.0

TABLE C-5 (Continued)

August 25

Height(m)	Wet ½	4	7	10	13	16	Dry ½	4	7	10	13	16
Time												
1826	68.5	68.5	68.6	68.1	68.5	68.2	70.0	70.0	70.2	69.0	70.3	70.1
1836	68.5	68.5	68.5	68.5	68.5	68.5	69.9	69.9	69.9	68.8	69.9	69.9
1846	68.5	68.5	68.7	68.6	68.3	68.3	69.9	69.5	69.5	69.0	69.5	69.5
1856	68.8	68.7	68.5	68.6	68.4	68.3	69.9	69.8	69.8	69.0	69.9	69.8
1906	68.8	68.9	69.0	68.6	68.5	68.5	69.9	69.8	69.9	69.2	70.0	70.1
1916	69.3	69.5	69.0	69.0	68.7	69.0	70.0	69.9	70.0	69.5	70.0	70.1
1926	68.9	68.9	69.0	69.0	69.0	68.6	70.2	70.1	70.4	69.9	70.5	70.5
1936	68.8	69.0	68.9	68.8	68.5	68.5	70.5	70.0	70.0	69.8	70.1	70.2
1946	69.0	69.0	69.0	69.0	68.6	68.5	71.5	70.1	70.1	70.0	70.5	70.4
1956	69.6	69.5	69.5	69.5	69.0	69.0	70.5	70.0	70.0	70.0	70.4	70.2
2006	69.5	69.5	69.5	69.1	69.2	68.8	70.5	70.0	70.0	70.0	70.1	70.0

TABLE C-5 (Continued)

August 27

Height(m) / Time	Wet ½	Wet 4	Wet 7	Wet 10	Wet 13	Wet 16	Dry ½	Dry 4	Dry 7	Dry 10	Dry 13	Dry 16
0504	60.7	61.2	61.2	61.3	61.2	61.5	61.5	62.0	62.2	62.0	62.6	62.5
0514	61.1	61.2	61.5	61.3	61.6	61.4	61.8	62.0	62.0	62.2	62.2	62.2
0524	60.5	61.0	61.1	61.8	61.9	61.9	61.0	61.5	62.0	62.2	62.5	62.5
0534	60.7	61.0	61.5	61.5	62.0	62.0	61.5	62.0	62.0	62.5	62.8	62.5
0544	61.4	61.4	61.8	61.8	61.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5
0554	61.9	61.7	62.0	61.8	61.8	61.5	62.5	62.5	62.5	62.8	62.8	63.0
0604	61.6	61.6	60.5	60.5	60.5	60.6	62.5	62.9	62.9	62.8	62.8	63.0
0614	61.8	61.8	61.6	61.5	61.6	61.5	62.5	62.8	62.8	62.8	62.5	62.8
0624	61.5	61.5	61.7	61.4	61.5	61.2	62.5	62.6	62.5	62.5	62.5	62.3
0634	62.0	62.0	62.0	61.8	61.5	61.5	62.5	62.7	62.5	62.5	62.5	62.5
0644	62.0	62.0	62.0	61.8	61.5	61.5	62.9	62.9	62.8	62.4	62.5	62.5
0654	62.0	62.0	61.5	61.3	61.4	61.5	62.9	62.9	62.9	62.5	62.5	62.5
0704	61.8	61.5	61.5	61.5	61.5	61.2	62.5	62.7	62.7	62.7	62.5	62.1
0714	60.6	60.6	60.5	60.5	60.5	60.3	62.5	62.5	62.5	62.5	62.5	62.0
0724	61.6	61.5	61.5	61.0	61.2	61.0	62.5	62.2	62.2	62.0	62.1	61.9
0734	61.9	61.4	61.1	61.2	61.2	61.3	62.6	62.5	62.2	62.0	62.0	61.9
0744	62.6	61.9	62.0	61.8	61.8	61.5	63.2	63.0	63.0	62.8	62.8	62.2
0754	63.2	62.3	62.0	62.0	62.0	62.0	64.0	63.5	63.0	63.0	63.0	62.6
0804	62.5	62.2	62.0	62.0	61.8	61.7	63.5	63.0	63.0	63.0	63.0	62.7
0814	63.5	62.2	62.1	62.1	62.0	62.0	65.2	63.7	63.5	63.5	63.5	63.2
0824	65.0	62.7	62.5	62.5	62.5	62.5	65.5	64.8	64.8	64.0	64.0	63.9
0834	63.0	62.2	62.1	62.1	62.0	61.7	64.2	64.0	64.2	64.2	64.2	64.2
0844	63.5	63.0	63.0	63.0	62.7	62.2	67.5	66.0	66.0	66.0	65.5	65.2

TABLE C-5 (Continued)

August 27

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0854	64.0	62.5	61.8	61.2	61.5	61.5	66.0	65.5	65.4	65.2	65.2	65.2
0904	63.5	62.6	62.0	61.0	61.0	61.0	69.2	66.5	66.0	66.0	66.0	66.0
0914	62.5	61.5	61.0	60.6	60.7	60.7	68.2	66.2	66.2	66.2	66.2	66.2
0924	62.5	61.2	60.5	60.0	60.4	60.2	69.1	67.5	67.1	67.1	67.1	67.1
0934	62.2	61.2	60.3	59.5	60.0	60.1	69.5	67.5	67.2	67.0	67.0	67.0
0944	62.3	61.7	61.0	60.3	59.8	59.8	70.0	68.2	68.2	68.2	67.8	67.5
0954	63.0	61.4	60.5	59.5	59.5	59.5	70.1	68.5	68.5	68.2	68.0	67.8
1004	62.7	61.0	60.5	60.0	59.8	60.0	70.5	69.2	68.5	68.0	68.0	68.0
1014	62.0	60.6	60.5	60.0	60.0	60.0	71.0	69.9	68.7	68.3	68.3	68.5
1024	64.0	61.9	61.0	59.9	59.6	60.0	71.5	69.0	69.0	69.0	69.0	68.6
1034	64.2	61.0	60.5	59.4	58.9	59.0	72.2	69.8	69.4	69.5	69.9	69.9
1044	62.2	60.6	60.0	59.5	60.0	60.1	71.5	70.5	70.1	70.0	70.0	70.0
1054	62.5	61.0	60.2	59.6	60.0	60.4	72.7	70.5	70.0	70.0	70.0	70.5
1104	63.9	60.1	60.5	60.5	60.2	60.2	74.2	71.0	71.0	71.0	70.5	70.2
1114	64.0	62.1	61.8	61.2	61.2	61.0	71.2	70.0	70.0	70.0	70.0	69.8
1124	62.5	61.0	60.2	60.0	60.0	60.4	72.4	71.0	71.0	70.2	70.1	70.0
1134	63.5	62.0	61.0	60.5	60.5	60.5	71.5	70.5	70.2	70.2	70.0	69.8
1144	64.5	62.5	62.0	61.0	61.0	61.0	73.4	71.2	70.6	70.5	70.5	70.2
1154	64.4	62.8	61.5	61.0	61.0	61.0	71.7	70.4	70.2	70.0	70.0	69.8
1204	64.0	61.6	61.7	61.5	61.0	61.0	73.0	71.2	71.0	70.5	70.4	70.1
1214	63.4	62.0	61.0	60.5	60.8	61.2	71.6	70.2	70.1	70.0	70.0	70.0
1224	64.0	62.0	61.5	61.4	61.2	61.0	72.2	70.2	70.1	70.0	70.0	70.0
1234	64.0	62.0	61.5	61.0	61.0	61.0	71.0	70.5	70.5	70.0	70.0	70.0
1244	63.0	61.7	61.2	60.5	60.7	61.0	71.5	70.8	70.8	70.5	70.5	70.5

TABLE C-5 (Continued)

August 27

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1254	64.5	62.5	62.0	62.0	61.8	61.9	74.5	71.5	71.0	70.7	70.6	70.5
1304	64.4	62.5	61.5	60.6	60.6	61.0	75.0	72.5	72.0	72.0	71.8	71.8
1314	64.5	63.0	62.5	61.2	61.0	61.0	72.5	71.1	71.1	71.1	71.0	71.0
1324	63.5	62.5	62.2	61.5	61.0	61.0	72.0	71.0	71.0	71.0	71.0	71.0
1334	64.0	63.1	62.5	61.8	61.8	61.5	72.5	71.2	71.2	71.0	71.0	71.0
1344	64.4	62.4	62.2	61.5	61.5	61.9	73.6	71.9	71.5	71.5	71.4	71.2
1354	65.9	63.1	62.5	61.5	61.4	61.5	75.1	72.5	72.2	71.9	71.5	71.5
1404	65.3	63.5	63.0	61.9	61.9	62.0	73.5	72.9	72.9	72.5	72.5	72.5
1414	64.8	62.9	62.5	62.7	61.9	61.9	75.5	72.8	72.5	72.5	72.5	72.2
1424	63.5	62.0	61.5	61.5	61.2	61.1	74.2	72.5	72.5	72.5	72.5	72.2
1434	63.6	63.1	63.0	62.0	61.8	61.8	75.5	72.9	72.8	72.5	72.5	72.3
1444	64.5	62.6	62.0	61.5	61.5	61.5	72.5	72.3	72.5	72.5	72.5	72.5
1454	65.0	63.5	62.5	61.5	61.5	62.0	75.8	73.5	73.5	73.2	73.0	73.0
1504	66.0	63.5	63.0	62.0	62.0	62.0	76.4	73.8	73.5	73.0	73.0	73.0
1514	64.5	63.5	62.5	61.5	61.8	61.8	74.0	73.5	73.5	73.5	73.5	73.5
1524	65.5	63.6	62.8	61.9	62.0	62.0	75.0	73.0	73.0	73.0	73.0	73.0
1534	65.1	63.2	63.5	62.9	62.9	62.6	75.5	73.5	73.4	73.0	73.0	72.8
1544	64.5	63.5	63.0	62.3	62.3	62.5	75.8	74.0	74.0	73.5	73.5	73.5
1554	65.5	63.6	63.0	62.1	62.2	63.0	76.0	74.2	74.1	73.8	73.5	73.5
1604	65.1	63.7	63.0	63.0	63.0	63.0	75.6	74.1	74.1	74.0	74.0	73.5

TABLE C-5 (Continued)

August 27

	Wet						Dry					
Height(m)	½	4	7	10	13	16	½	4	7	10	13	16
Time												
1614	65.5	63.7	63.0	62.5	62.5	62.0	75.5	74.0	74.0	73.5	73.5	73.5
1624	64.4	63.7	63.5	63.1	63.2	63.5	75.0	74.0	74.0	73.5	73.5	73.5
1634	65.5	64.2	63.1	62.5	62.7	62.9	75.0	74.1	74.1	74.1	74.1	74.1
1640	65.7	63.4	63.2	63.5	63.1	63.1	75.0	74.2	74.2	74.2	74.2	74.2
1654	65.1	64.2	63.7	63.1	63.1	63.1	74.9	74.5	74.5	74.5	74.2	74.1
1704	65.5	64.0	63.5	62.5	62.5	63.0	74.9	74.0	74.0	74.0	74.1	74.1
1714	64.5	63.9	63.1	62.5	62.5	62.6	74.2	74.0	74.0	74.0	74.5	74.5
1724	64.5	64.0	63.5	63.0	63.0	63.0	74.5	74.0	74.1	74.1	74.0	74.0
1734	65.0	64.2	63.5	62.8	63.1	63.4	74.0	74.0	74.0	74.0	74.0	74.0
1744	64.8	64.8	63.5	62.5	62.5	63.0	74.0	74.0	74.0	74.0	74.2	74.1
1754	64.7	64.0	63.5	62.8	62.8	63.0	73.4	73.5	73.9	73.9	74.0	74.0
1804	64.1	63.5	63.2	62.5	62.5	62.9	72.8	73.5	74.0	74.0	74.0	74.0
1814	64.5	63.5	63.4	62.3	62.5	62.9	71.5	73.0	73.5	73.5	73.5	73.5
1824	65.0	64.0	63.7	63.0	63.0	63.2	71.0	72.7	73.5	73.5	73.7	73.6
1834	64.0	63.7	63.5	62.6	62.7	62.9	69.9	72.7	72.7	73.0	73.0	73.0
1844	63.9	63.9	63.6	62.9	63.0	63.0	70.0	72.2	72.5	72.5	72.7	72.7
1854	63.7	63.9	63.7	63.1	63.0	63.0	69.2	72.4	73.0	73.0	73.0	72.8
1904	62.6	63.2	63.2	63.0	63.0	63.0	67.4	71.5	71.7	71.8	71.6	71.6
1914	62.6	62.8	63.1	62.5	62.6	62.8	69.5	70.9	71.0	71.0	71.1	71.3

TABLE C-5 (Continued)

August 27

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1924	62.6	62.8	62.9	62.7	62.9	62.8	67.6	70.7	70.9	71.1	71.0	71.3
1934	61.0	62.8	62.7	62.6	62.7	62.7	67.7	69.4	70.3	70.4	70.5	70.6
1944	62.7	62.6	62.8	62.3	62.4	62.4	67.8	70.0	70.2	70.4	70.5	70.6
1954	62.3	62.5	62.9	62.1	62.3	62.3	67.7	69.3	70.0	70.0	70.4	70.5
2004	62.0	62.1	62.0	62.0	62.5	62.5	M	M	M	M	M	M

TABLE C-5 (Continued)

August 28

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
437	52.0	57.5	57.2	57.4	57.9	58.2	52.5	58.1	58.5	59.0	59.5	60.0
447	51.5	56.5	56.9	57.0	57.5	58.1	52.9	58.0	58.2	59.7	59.4	60.0
457	54.9	57.4	57.5	57.5	58.0	58.2	53.5	57.9	58.1	59.0	60.0	60.5
507	53.5	57.0	57.5	57.2	58.0	58.0	56.5	57.5	57.6	58.4	59.1	59.9
517	54.6	57.0	57.2	57.2	57.6	58.0	54.2	57.1	58.0	59.0	59.5	59.8
527	53.0	56.2	57.0	57.9	58.2	58.5	53.6	56.5	57.5	58.4	59.2	59.9
537	54.8	56.5	58.0	58.0	58.2	58.5	55.0	56.7	57.8	59.0	59.5	60.1
547	49.0	56.2	57.0	57.8	58.5	58.9	54.7	57.0	58.0	59.0	59.7	60.2
557	54.8	56.5	57.5	57.5	58.2	58.6	55.9	57.3	58.5	59.2	59.9	60.5
607	56.4	56.5	57.1	57.5	58.3	58.9	57.0	57.8	58.5	59.0	60.0	60.9
639	39.1	58.9	58.9	58.9	59.5	59.5	59.5	59.1	60.2	62.0	62.0	62.0
649	59.9	59.5	59.2	59.2	59.2	59.6	60.5	59.6	61.0	61.5	62.0	62.5
659	61.0	60.2	60.5	60.2	60.4	60.5	61.0	60.9	62.2	62.5	62.9	63.0
709	62.0	61.8	61.8	61.8	60.1	60.5	62.0	61.5	63.2	63.5	63.5	63.5
719	61.9	61.2	60.6	60.6	60.6	60.6	62.1	61.5	63.4	63.5	64.1	64.2
729	62.4	62.0	62.0	61.9	61.5	61.9	63.2	62.2	64.0	64.2	64.0	64.4
739	63.0	62.5	62.9	62.0	62.0	61.5	62.8	62.2	64.5	64.5	64.5	64.5
749	63.5	63.2	63.0	63.0	63.0	63.0	64.5	63.0	64.9	65.0	65.0	65.0
759	64.6	64.2	64.0	63.8	63.7	63.5	66.5	64.0	66.2	66.4	66.5	66.5
809	64.9	64.6	64.5	64.5	63.5	63.5	69.9	63.9	67.4	67.5	67.5	67.7
819	65.1	64.9	64.9	63.5	62.9	62.5	69.0	64.9	67.0	67.3	67.5	67.5
829	64.9	63.6	63.6	63.5	63.5	63.5	69.5	64.0	67.9	68.0	68.0	68.0
839	65.5	64.5	64.1	64.0	63.5	63.4	69.9	63.5	68.1	68.2	68.5	68.5

TABLE C-5 (Continued)

August 28

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
849	65.4	65.1	65.0	64.7	64.7	64.6	70.3	64.1	68.5	68.6	68.9	68.9
859	66.0	65.0	64.5	64.0	64.0*	64.0	72.7	67.4	70.2	70.2	70.2	70.2
919	66.5	65.5	65.5	65.5	65.4	65.3	72.7	71.0	71.0	71.0	70.7	70.7
929	68.0	66.2	66.1	66.0	65.9	65.8	73.5	73.0	72.5	72.5	72.5	72.5
939	66.5	66.4	66.4	66.0	66.0	66.0	74.5	73.2	73.0	73.0	72.8	72.8
949	67.5	67.2	67.0	67.0	66.8	66.4	76.2	76.5	74.6	74.4	74.0	74.0
959	68.5	67.4	66.8	66.7	66.5	66.5	76.8	75.5	75.5	75.5	75.4	75.0
1009	68.9	67.0	67.0	66.0	66.0	66.0	77.5	76.1	75.8	75.5	75.5	75.4
1019	69.9	67.0	67.0	67.0	67.0	66.8	78.0	76.5	76.4	76.2	76.5	76.0
1029	67.9	66.9	66.5	65.5	65.5	65.5	78.5	77.0	76.8	76.5	76.5	76.2
1039	67.7	66.4	66.0	66.1	66.5	67.0	78.2	76.9	76.5	76.5	76.4	76.2
1049	69.0	66.9	66.4	65.5	65.5	65.8	79.0	77.0	76.5	76.5	76.6	76.3
1059	68.5	67.1	66.5	65.5	65.5	65.7	78.9	77.7	77.5	77.5	77.1	76.8
1109	69.4	67.7	67.4	67.4	67.0	66.8	79.0	78.0	77.5	77.2	77.2	77.1
1119	68.7	68.0	68.0	67.2	67.0	67.0	80.2	78.2	78.0	77.6	77.0	77.0
1129	70.0	68.0	67.8	66.8	66.4	66.4	79.5	78.5	78.5	77.8	77.5	77.3
1139	70.4	68.0	67.4	66.9	66.9	66.9	61.2	59.0	58.8	58.5	58.2	57.5
1149	68.7	67.4	67.5	67.0	67.0	67.0	81.0	78.5	78.4	78.0	78.0	77.8
1159	70.4	68.1	67.4	66.9	67.0	67.0	78.5	78.5	78.5	78.5	78.5	78.5
1209	69.4	68.5	68.5	67.5	67.1	67.5	81.9	79.1	78.7	78.2	78.0	78.0
1219	70.5	68.0	67.9	67.7	67.5	67.5	80.5	79.9	79.9	79.9	78.8	78.6
1229	70.0	67.7	67.7	67.1	67.1	67.5	81.2	79.2	78.9	78.6	78.4	78.4

* Repair

TABLE C-5 (Continued)

August 28

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1239	70.2	68.2	68.0	67.6	67.7	68.0	82.2	79.9	79.1	79.0	78.9	78.8
1249	69.2	68.6	69.0	68.7	68.0	67.8	81.6	80.6	80.2	79.8	79.5	79.5
1259	70.9	68.8	68.9	68.8	67.0	67.0	81.5	80.7	80.5	79.7	79.5	79.3
1309	70.1	68.2	69.0	68.5	68.0	68.1	81.5	80.0	79.8	79.5	79.5	79.5
1319	70.0	68.1	68.2	67.6	67.5	67.5	80.1	79.5	79.7	79.6	79.5	79.5
1329	70.5	68.6	68.7	67.7	68.5	68.5	81.5	80.5	80.0	79.5	79.5	79.5
1339	69.8	68.4	68.2	67.5	67.5	68.9	80.0	79.5	79.5	79.5	79.5	79.3
1349	70.0	69.9	68.5	67.9	67.8	67.9	82.5	80.5	80.5	80.0	79.9	79.5
1359	69.9	68.0	68.2	67.8	67.8	68.4	82.1	81.2	81.0	80.8	80.5	80.0
1409	70.1	78.3	78.3	78.0	78.0	78.3	83.7	81.5	81.0	80.5	80.5	80.5
1419	69.5	68.4	68.5	67.9	67.9	68.0	81.0	81.2	80.5	80.5	80.5	80.5
1429	70.5	69.9	69.9	68.0	68.0	68.2	83.0	81.0	81.0	80.3	80.5	80.4
1439	72.5	69.7	69.0	68.0	68.0	68.2	83.8	80.5	80.7	80.7	80.7	80.9
1449	71.0	69.0	69.0	68.2	68.2	68.4	82.9	81.7	81.6	81.3	81.2	81.0
1459	71.0	69.0	69.1	68.5	68.0	68.5	83.0	81.5	81.5	81.0	81.0	81.3
1509	70.8	69.2	69.1	68.2	68.2	69.0	82.7	81.5	81.5	81.0	81.2	81.7
1519	71.2	69.0	68.8	68.1	68.0	68.2	83.0	81.5	81.4	81.0	81.1	81.0
1529	69.1	69.5	69.4	69.0	69.0	69.0	83.0	82.0	82.0	81.5	81.3	81.3
1539	69.8	68.6	68.7	68.5	68.7	68.7	81.5	81.1	81.0	81.0	81.0	81.0
1549	71.2	69.8	69.9	68.6	68.5	69.0	83.0	82.2	81.8	81.8	81.8	81.6
1559	70.0	68.8	68.8	68.5	68.5	69.5	83.0	82.0	81.7	81.7	81.5	81.3
1609	71.0	69.5	69.0	68.1	68.1	68.2	82.5	82.0	82.0	81.8	81.5	81.5
1619	71.7	69.9	69.2	68.3	68.2	68.5	82.6	82.0	82.0	81.6	82.0	81.8

TABLE C-5 (Continued)

August 28

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1629	70.8	69.3	69.0	68.0	68.5	68.8	82.0	81.8	81.5	81.5	81.5	81.5
1639	70.7	69.0	69.1	68.4	68.4	68.5	81.2	81.5	81.5	81.4	81.3	81.2
1649	72.0	70.2	70.0	68.5	68.5	70.0	82.0	81.7	81.7	81.7	81.7	81.6
1659	71.5	69.7	69.8	69.0	68.2	68.5	80.5	81.2	81.4	81.4	81.5	81.5
1709	70.8	69.0	69.0	68.0	68.0	68.8	82.2	82.0	82.0	81.8	82.2	82.0
1719	70.1	68.9	68.9	68.0	68.0	68.7	81.5	81.6	81.7	81.5	81.7	81.6
1729	72.0	70.0	69.0	68.1	68.4	68.8	81.5	81.5	81.6	81.7	81.8	81.7
1739	71.2	69.5	69.0	68.2	68.1	68.6	81.4	81.6	81.6	81.6	81.9	81.7
1749	71.5	69.0	69.0	68.5	68.5	69.2	81.3	82.0	82.7	82.4	82.6	81.9
1759	70.4	70.0	70.0	69.4	69.5	69.9	78.8	78.8	78.5	78.3	78.2	78.0
1809	70.1	69.9	69.7	69.5	69.7	69.7	77.5	78.2	78.1	78.2	78.0	78.0
1819	70.1	69.9	69.9	69.4	69.5	69.6	77.4	77.5	77.5	77.5	77.9	77.2
1829	69.9	69.5	69.6	69.0	69.0	69.2	76.8	77.0	77.0	77.0	77.0	76.8
1839	69.4	69.1	69.2	68.7	69.0	69.0	76.2	76.5	76.5	76.5	76.5	76.5
1849	69.2	69.0	69.1	68.7	68.5	68.7	76.0	76.0	76.0	76.0	76.0	76.0
1859	68.8	68.5	68.5	68.1	68.3	68.5	75.5	75.5	75.5	75.5	75.4	75.4
1909	68.5	68.5	68.5	68.0	68.2	68.4	74.0	74.5	74.5	74.8	75.0	75.0
1919	68.5	68.2	68.2	68.0	68.0	68.2	73.8	73.9	74.0	74.1	74.0	74.2
1929	68.1	68.0	68.0	67.6	67.6	67.7	73.5	73.9	74.0	74.0	74.2	74.1
1939	67.7	67.5	67.7	67.8	67.5	67.5	73.2	74.0	74.0	74.4	74.2	74.3
1949	67.5	67.5	67.6	67.4	67.4	67.5	73.4	73.6	73.7	73.5	73.5	73.7
1959	67.5	67.5	67.5	67.2	67.4	67.5	73.0	73.0	73.4	73.7	73.5	73.7
2009	67.6	67.5	67.5	67.0	67.2	67.2	73.0	73.1	73.3	73.2	73.5	73.5

TABLE C-5 (Continued)

August 28

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
2019	67.5	67.4	67.4	67.3	67.3	67.3	71.7	72.0	72.5	73.0	73.1	73.2
2029	67.4	67.2	67.5	67.0	67.1	67.2	72.0	72.3	72.5	72.5	72.6	72.6
2039	67.2	67.2	67.2	67.0	67.1	67.0	72.5	72.5	72.5	72.6	72.4	72.5
2049	67.0	67.1	67.2	67.0	67.0	67.1	72.0	72.1	72.2	72.2	72.2	72.5
2059	67.0	67.0	67.0	67.0	67.2	67.4	72.0	72.0	72.0	72.1	72.2	72.2
2109	67.2	67.0	67.2	67.0	67.1	67.3	70.9	71.1	71.5	71.7	72.3	72.3
2119	65.5	67.0	67.1	67.1	67.5	67.5	66.7	70.5	71.0	71.8	72.0	72.3
2129	66.0	66.7	67.5	67.5	67.5	67.6	68.2	71.0	72.0	72.0	72.4	72.5
2139	65.5	67.0	67.5	67.5	67.6	67.0	70.0	71.0	71.5	71.5	71.5	71.5
2149	65.9	66.5	67.0	67.0	67.4	67.4	67.5	70.0	71.0	71.4	71.5	71.8
2159	65.9	61.4	62.0	62.0	62.5	62.4	67.5	69.9	71.5	71.0	71.4	71.5
2209	66.0	62.0	62.5	62.5	62.6	63.0	69.2	71.0	72.0	72.2	73.0	73.2
2219	67.2	68.2	68.5	68.5	68.0	68.0	69.6	71.9	72.1	72.5	72.2	72.5
2229	67.5	68.2	68.2	68.2	67.5	67.5	71.0	71.1	71.0	71.5	71.2	71.5
2239	67.1	68.0	68.0	68.0	67.5	67.5	69.0	70.5	70.5	70.9	70.9	70.9
2249	62.0	62.5	62.6	62.6	62.2	62.2	69.0	70.0	70.0	70.3	70.3	70.5
2259	66.9	67.5	67.9	67.8	67.3	67.3	68.4	69.5	69.9	69.9	69.9	70.0
2309	65.5	67.0	67.9	67.0	67.1	67.1	67.0	69.0	69.5	69.7	69.9	69.9
2319	65.0	67.0	67.5	67.1	67.1	67.1	66.0	68.5	69.2	69.3	69.5	69.9
2329	64.4	66.2	67.2	66.6	67.0	67.0	66.5	67.9	69.9	69.0	69.2	69.5
2339	64.0	66.1	67.0	67.0	67.0	67.0	65.2	67.5	68.5	68.9	69.0	69.5
2349	64.5	66.2	66.8	67.0	67.5	67.2	65.5	67.2	68.1	68.5	69.0	69.2
2359	64.5	66.0	66.5	66.5	66.5	66.5	65.2	67.0	68.0	68.5	68.0	69.3
2409	64.8	66.8	66.4	66.4	66.5	66.5	64.5	67.0	68.0	68.5	69.0	69.4

TABLE C-5 (Continued)

August 28

Height (m)	Wet ½	4	7	10	13	16	Dry ½	4	7	10	13	16
Time												
2419	67.9	65.9	66.2	66.2	66.5	66.5	63.5	67.0	67.9	68.5	69.0	69.0
2429	62.5	65.9	66.4	66.4	66.5	66.5	63.0	67.0	67.8	68.5	69.0	69.1
2439	67.8	66.0	66.2	66.2	66.5	66.5	63.9	67.0	68.0	68.5	69.0	69.0
2449	63.2	66.0	66.5	66.4	66.4	66.4	63.5	67.0	68.0	68.1	68.5	68.7
2459	63.2	65.7	66.2	66.0	66.0	66.0	63.5	66.5	67.5	68.0	68.5	68.5
109	67.9	65.2	66.1	66.1	66.5	66.5	63.0	66.5	67.5	67.9	68.1	68.3
119	62.5	65.4	66.0	66.0	66.0	66.0	63.0	66.1	67.0	67.5	67.8	67.9
129	67.9	65.1	66.0	66.0	66.0	66.0	63.5	66.0	66.6	67.0	67.5	67.5
139	63.0	64.5	65.5	65.5	65.7	65.7	63.0	65.3	66.1	66.7	67.0	67.1
149	62.5	64.1	65.0	65.0	65.5	65.5	62.5	65.0	66.0	66.5	66.6	67.0
154	61.5	63.2	64.5	64.5	65.0	65.0	61.9	64.0	65.5	65.7	66.2	66.6
209	61.0	63.0	64.1	64.5	65.0	65.0	61.5	63.5	65.0	65.5	66.0	66.2
219	61.1	63.0	64.0	64.2	64.9	64.9	61.5	63.5	64.5	65.0	65.5	66.0
229	61.0	62.5	63.6	64.0	64.9	64.9	61.5	62.7	64.0	65.0	65.4	65.9
239	60.9	62.0	63.5	64.0	64.5	64.5	61.0	62.5	63.9	64.6	65.0	65.7
249	60.5	62.0	63.0	63.8	64.5	64.5	61.9	62.5	63.5	64.1	64.9	65.5
259	61.5	62.1	63.0	63.4	64.1	64.1	61.9	62.5	63.1	63.9	64.4	65.1
309	61.5	62.0	63.0	63.0	63.8	64.0	61.9	62.5	63.5	64.0	64.1	65.0
319	61.5	62.0	63.0	63.1	63.5	63.7	61.5	62.4	63.1	63.5	64.0	64.5
329	60.1	61.6	62.5	62.9	63.5	63.5	60.4	62.0	62.9	63.0	63.5	64.0
339	59.4	61.0	62.2	62.5	63.0	63.0	59.5	61.6	62.5	63.5	63.6	64.0
349	58.5	61.0	62.0	62.8	63.5	63.5	58.6	61.0	62.0	63.5	64.0	64.0

TABLE C-5 (Continued)

August 28

Height(m) / Time	Wet ½	Wet 4	Wet 7	Wet 10	Wet 13	Wet 16	Dry ½	Dry 4	Dry 7	Dry 10	Dry 13	Dry 16
359	53.0	60.5	61.7	63.0	63.5	63.5	58.2	61.0	62.0	63.5	64.0	68.0
409	58.0	60.8	62.0	63.7	64.0	63.8	58.5	61.0	62.4	64.1	64.4	64.4
419	57.7	60.1	62.0	63.8	63.9	64.0	58.0	60.0	62.2	64.0	64.1	64.5
429	57.5	59.9	62.0	63.5	63.9	64.0	57.5	60.0	62.2	63.9	64.0	64.5
439	57.2	59.2	61.5	63.5	64.0	64.2	58.0	60.2	62.5	64.0	64.0	64.0
449	57.1	60.0	61.2	63.1	63.4	63.5	57.5	60.5	61.8	63.5	63.7	64.0

TABLE C-5 (Continued)

August 29

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0449	57.5	60.5	61.7	63.2	63.2	63.2	58.0	60.5	62.1	63.2	63.5	63.8
0509	57.5	60.6	62.5	63.5	64.0	63.8	57.5	61.2	63.0	64.0	64.2	64.5
0519	51.9	60.5	62.5	63.0	63.5	63.5	58.6	60.5	62.6	63.9	64.0	64.0
0529	56.9	61.4	62.5	62.6	63.0	63.2	57.5	61.2	62.7	63.5	64.0	64.4
0539	56.3	61.0	62.0	62.2	62.9	63.0	56.5	61.2	62.0	63.0	64.0	64.0
0549	58.0	61.6	62.4	62.4	62.5	62.5	58.0	62.0	62.5	63.0	63.7	64.0
0559	56.1	61.8	62.3	62.0	62.6	62.7	58.0	61.7	62.6	64.0	64.5	65.0
0609	58.5	61.0	62.4	62.4	62.8	62.9	59.9	61.6	63.5	64.2	64.5	65.0
0619	58.2	61.4	62.2	62.2	62.5	62.5	58.9	61.9	63.2	64.0	64.5	64.4
0629	60.7	61.2	62.0	62.0	62.5	62.5	60.0	62.5	63.5	63.6	64.4	64.4
0639	60.0	61.5	61.9	61.9	62.5	62.5	60.9	62.6	63.5	63.9	64.1	64.5
0649	61.8	61.8	62.0	62.2	62.6	62.5	62.2	63.2	64.1	65.0	65.3	65.3
0659	63.0	62.4	62.5	62.5	62.6	62.9	63.1	64.2	64.9	65.9	66.0	66.2
0709	63.6	63.2	63.2	63.2	63.5	63.2	64.5	66.0	66.0	66.4	66.5	66.9
0719	65.0	64.2	64.5	64.0	64.0	63.8	66.5	67.2	67.2	67.5	67.1	67.1
0729	65.7	64.7	64.5	64.0	64.0	64.0	66.0	68.2	68.0	68.0	68.5	67.9
0739	66.1	65.5	65.1	64.5	64.0	63.8	67.0	68.6	68.7	68.9	68.9	68.9
0749	66.2	65.5	65.2	64.7	64.5	64.5	69.5	69.5	69.5	69.5	69.5	69.5
0759	67.0	65.5	65.0	64.8	64.8	64.8	71.2	71.0	71.0	71.0	71.0	71.0
0809	67.2	67.1	67.1	65.5	65.5	65.5	72.5	72.0	71.8	71.8	71.8	71.8
0819	67.5	66.5	66.5	66.4	66.2	66.2	73.6	73.2	73.0	73.0	72.8	72.8
0829	68.1	67.0	67.0	66.5	66.5	66.5	74.5	74.0	74.0	73.9	73.9	73.9
0839	70.5	68.5	68.3	68.0	67.5	67.5	76.5	75.5	75.5	75.5	75.0	75.0

TABLE C-5 (Continued)

August 29

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0849	70.3	69.0	68.5	67.6	67.5	67.5	77.0	76.2	76.0	76.0	75.5	75.5
0859	70.8	69.4	69.0	69.0	69.0	68.8	78.0	77.0	77.0	76.8	76.5	76.5
0909	71.0	69.0	69.0	68.5	68.5	68.5	78.4	77.0	77.0	77.0	76.6	76.5
0919	71.0	69.5	69.0	68.5	68.5	68.2	78.8	77.5	77.4	77.3	77.2	77.2
0929	71.0	69.5	69.5	69.0	69.0	69.0	79.5	78.0	78.0	77.5	77.3	77.2
0939	72.1	70.0	69.5	69.2	69.2	69.1	79.5	78.3	78.3	78.0	77.7	77.5
0949	71.9	70.0	70.0	70.0	69.5	69.5	80.0	78.9	78.8	78.7	78.2	78.2
0959	72.2	70.4	70.0	69.0	69.0	69.0	81.5	80.0	80.0	79.4	79.0	78.5
1009	71.7	70.5	70.5	70.5	69.9	69.0	81.0	79.5	79.2	79.0	79.0	78.8
1019	71.7	69.8	69.5	69.5	69.0	69.0	80.5	79.9	79.7	79.5	79.2	79.2
1029	72.2	70.4	70.2	70.4	70.0	70.0	82.4	81.0	80.8	80.1	79.8	79.9
1039	72.9	70.8	70.2	70.2	70.2	70.0	82.0	80.4	80.0	80.0	79.8	79.8
1041	72.0	71.0	70.8	69.9	69.5	69.5	82.4	80.7	80.5	80.1	80.0	80.0
1054	73.4	72.0	71.4	69.9	69.7	69.5	82.5	81.0	80.8	80.8	80.5	80.5
1109	71.9	69.9	69.9	69.8	69.9	70.0	82.5	81.8	81.6	81.2	81.0	81.0
1119	72.7	70.9	70.5	69.9	69.2	69.3	83.7	81.7	81.0	80.8	80.5	80.5
1129	73.5	71.0	71.0	70.0	69.5	69.4	83.0	81.1	81.0	80.8	80.5	80.5
1139	73.5	71.3	71.0	70.0	70.0	70.0	84.0	82.0	81.3	81.0	80.8	80.9
1149	72.8	70.5	70.1	69.9	69.9	69.9	81.9	81.0	81.0	80.9	80.5	80.6
1159	72.0	71.0	70.2	69.5	69.5	69.5	80.5	80.5	80.5	80.5	80.4	80.5
1209	72.5	70.7	70.7	70.7	70.0	70.1	83.4	82.5	82.0	81.4	81.0	81.0
1219	72.0	70.5	70.0	69.5	69.5	69.7	83.8	82.5	82.0	82.0	81.7	81.5

TABLE C-5 (Continued)

August 29

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1229	73.6	72.4	72.2	71.0	70.5	70.7	84.5	82.9	82.5	82.0	82.0	82.0
1239	72.4	71.0	71.0	70.5	71.5	71.5	82.4	82.0	82.0	82.0	82.0	82.0
1249	72.4	70.9	70.9	70.0	70.0	70.0	83.4	82.1	82.1	82.1	82.1	82.0
1259	74.8	73.0	71.2	70.0	69.8	70.5	84.1	83.0	82.5	82.1	82.0	82.0
1309	72.4	71.0	71.0	70.1	70.1	70.1	82.5	82.5	82.5	82.0	82.0	82.0
1319	73.0	71.5	70.9	70.0	70.0	70.0	81.9	81.8	82.0	82.0	82.0	82.0
1329	73.0	71.5	71.5	70.2	70.2	70.5	84.1	82.3	82.0	82.0	82.0	82.0
1339	74.2	72.0	71.1	69.8	69.5	70.0	83.2	82.2	82.2	82.0	82.0	82.0
1349	73.0	71.6	71.9	71.2	71.2	71.5	85.7	83.5	83.0	82.5	82.5	82.5
1359	73.5	71.5	71.0	70.8	70.0	70.5	85.2	83.5	83.5	83.5	83.5	83.5
1409	73.6	71.9	71.4	70.4	70.0	70.5	85.2	83.8	83.5	83.2	83.0	83.0
1419	74.1	71.5	71.5	70.5	70.1	71.2	85.7	83.9	83.5	83.0	83.0	83.0
1429	71.6	71.0	70.5	69.9	69.7	71.1	85.2	84.0	83.5	83.2	83.0	83.0
1439	72.8	70.5	70.0	70.5	69.8	70.5	86.0	84.5	84.0	84.8	84.7	84.7
1449	72.2	71.0	71.0	70.2	70.0	70.5	85.2	83.7	83.5	83.2	83.2	83.2
1459	72.8	71.2	71.3	71.0	71.0	71.0	85.0	84.0	83.8	83.8	83.5	83.5
1509	72.5	71.2	70.5	69.5	69.5	70.6	85.0	73.8	73.5	73.5	73.5	73.5
1519	73.0	70.7	70.6	69.5	69.8	70.1	84.5	84.0	83.8	83.5	83.5	83.5
1529	73.0	71.2	70.5	69.5	69.6	70.5	84.9	84.0	83.5	83.5	83.4	83.5
1539	72.0	70.2	69.5	68.5	68.8	71.0	84.5	83.7	83.5	83.5	83.5	83.5
1549	72.4	70.1	69.9	68.6	68.8	70.5	84.5	83.6	83.5	83.5	83.5	83.5
1559	72.1	71.0	70.1	69.1	69.1	70.5	84.2	84.0	84.0	84.0	84.0	84.0

TABLE C-5 (Continued)

August 29

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1609	71.4	69.9	69.9	70.0	69.0	70.5	84.5	84.0	84.0	84.0	84.0	84.0
1619	73.0	71.0	70.2	69.5	69.9	71.5	84.5	84.2	84.2	84.1	84.1	84.1
1629	70.5	69.9	69.5	68.2	68.2	70.0	84.0	84.0	84.0	84.0	83.9	84.0
1639	71.5	70.2	69.8	78.7	78.7	70.6	84.0	84.0	84.0	84.0	84.2	84.2
1649	71.0	70.2	70.2	69.5	69.9	71.5	83.5	83.5	83.5	83.5	83.7	83.7
1659	71.5	70.5	70.5	69.5	69.2	71.0	83.2	83.5	83.5	83.5	83.5	83.5
1709	70.9	70.1	70.1	69.0	69.0	71.0	82.9	83.0	83.5	83.5	83.5	83.5
1719	70.7	70.0	69.9	69.0	69.0	71.0	82.5	83.0	83.2	83.5	83.5	83.5
1729	70.6	69.9	69.9	69.0	69.3	71.0	82.0	82.7	83.0	83.0	83.3	83.5
1739	71.2	70.2	70.3	69.5	69.5	71.2	81.5	82.5	82.7	82.7	83.1	83.1
1749	71.5	70.5	70.5	69.5	69.5	71.0	80.6	81.9	82.5	83.0	83.2	83.2
1759	70.9	70.0	69.8	69.0	69.2	71.0	79.5	81.2	81.2	82.7	83.0	83.0
1809	70.9	70.0	70.0	69.0	69.0	70.9	78.7	80.6	81.7	82.5	83.0	83.0
1819	71.2	70.0	69.8	69.0	69.0	70.5	77.2	80.2	81.9	82.3	82.6	82.6
1829	70.3	69.5	69.5	68.6	68.6	70.2	76.0	81.0	82.0	82.0	82.4	82.5
1839	70.0	69.2	69.2	68.4	68.5	70.2	74.0	80.2	81.2	81.7	82.0	82.2
1849	69.9	69.0	69.1	68.6	68.6	70.2	73.5	79.9	80.5	81.1	81.5	81.7
1859	68.8	68.9	68.7	68.7	68.7	70.0	83.0	79.8	80.0	80.2	81.0	81.0
1909	62.0	63.0	63.1	63.1	63.1	70.0	70.0	83.5	79.8	80.0	80.5	80.5
1919	67.0	68.0	68.5	68.5	68.6	69.9	71.2	79.0	80.0	80.0	80.5	80.7
1929	66.7	68.2	68.5	68.4	68.4	69.7	70.7	78.0	79.2	80.2	81.0	81.0
1939	68.1	68.1	68.5	68.5	69.1	70.1	75.5	76.2	78.0	78.7	79.4	79.2

TABLE C-5 (Continued)

August 29

Height (m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1949	69.5	69.4	69.5	69.1	69.2	70.2	75.1	75.5	76.1	76.5	76.5	77.0
1959	69.9	69.9	70.0	70.1	70.5	70.9	75.0	75.0	75.0	75.8	76.1	76.1
2009	69.8	69.8	70.0	70.0	70.1	70.5	73.8	73.8	74.5	75.1	75.5	75.7
2019	69.5	69.4	70.0	70.0	70.5	70.5	74.0	74.1	74.7	75.0	75.1	75.5
2029	70.1	70.4	70.4	70.4	70.5	70.5	74.4	75.1	75.5	75.5	75.5	75.5
2039	69.8	69.8	69.8	69.8	70.1	70.1	79.0	79.0	79.5	80.0	80.5	80.5
2049	69.7	70.0	70.0	70.0	70.0	70.0	73.0	74.5	75.0	75.0	75.5	75.5
2059	69.2	69.5	69.9	69.8	70.1	70.1	72.8	74.5	74.9	75.2	75.1	75.1
2109	69.4	69.7	69.7	69.5	69.5	69.5	73.7	74.5	74.5	74.5	74.7	74.7
2119	69.4	69.4	69.5	69.5	69.5	69.5	72.6	74.0	74.2	74.5	74.5	74.5
2129	67.6	68.1	68.7	68.7	69.4	69.5	66.6	70.4	72.5	73.5	74.0	74.2
2139	65.5	67.5	68.5	68.5	69.0	69.0	67.0	71.5	78.3	74.0	74.2	74.3
2149	65.7	67.2	68.1	68.1	68.5	69.1	67.7	70.7	72.5	73.2	73.8	73.7
2159	65.0	66.5	67.3	67.2	68.2	M	M	M	M	M	M	M

TABLE C-5 (Continued)

August 30

Height(m)	Dry						Wet					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0507	59.0	60.1	60.5	61.5	61.5	61.6	57.4	59.4	60.1	61.0	61.7	63.0
0517	56.1	59.5	60.2	60.7	62.5	63.5	57.2	59.5	60.0	60.5	60.5	62.2
0527	55.0	59.8	60.5	60.5	61.5	62.5	55.5	58.5	60.0	60.0	61.0	61.5
0537	55.9	58.0	59.0	60.5	61.0	61.5	56.5	58.5	59.1	60.5	61.0	61.5
0547	57.0	58.2	59.0	60.2	61.2	61.8	57.5	58.5	59.5	60.5	61.5	62.0
0557	57.5	58.7	60.0	61.0	62.0	62.8	57.5	58.8	59.8	60.7	61.5	62.2
0607	57.6	58.5	60.0	61.0	61.5	62.0	58.0	59.5	59.8	60.8	61.0	62.0
0617	58.8	59.5	60.0	60.5	61.5	62.2	59.0	59.0	59.5	60.2	61.2	62.2
0627	59.5	59.2	59.5	59.5	60.0	62.5	59.5	59.5	59.7	60.5	60.9	61.9
0637	60.0	59.9	60.0	60.2	62.5	63.0	60.2	59.5	59.5	60.2	62.5	63.0
0647	59.7	59.5	59.5	59.5	60.0	62.8	59.5	59.4	59.4	59.5	61.0	63.2
0657	60.0	59.8	60.0	60.0	60.2	60.2	60.5	60.0	60.0	60.1	60.8	62.5
0707	60.1	60.2	60.5	60.5	61.0	62.9	62.0	60.1	60.1	60.5	62.0	62.5
0717	62.5	61.9	62.2	62.4	62.5	62.7	63.0	63.0	62.7	62.7	63.0	63.0
0727	63.6	63.0	63.5	63.2	63.1	63.2	64.0	63.8	63.8	63.8	63.8	63.8
0737	64.5	64.0	64.3	64.0	64.2	64.0	64.9	64.8	64.8	64.5	64.5	64.5
0747	66.9	66.1	66.0	65.6	65.5	65.7	67.5	66.6	66.5	66.5	66.4	66.4

TABLE C-5 (Continued)

August 30

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0757	67.5	66.6	66.5	66.5	66.0	66.0	67.9	67.0	66.9	66.9	66.9	67.0
0807	68.0	67.5	67.0	66.5	66.2	66.1	68.0	66.9	66.5	66.5	66.5	67.5
0817	68.0	67.1	67.0	66.5	66.5	66.5	68.0	67.0	66.8	66.8	66.8	68.0
0827	68.0	67.4	67.0	66.5	66.5	66.5	70.0	68.5	68.7	69.0	69.0	69.0
0837	69.0	68.0	67.4	67.0	66.5	66.5	71.5	70.0	70.0	70.0	70.0	70.0
0847	69.5	68.5	68.2	68.0	67.8	67.6	73.2	71.5	71.5	71.5	71.5	71.5
0857	69.0	68.9	68.5	68.5	68.2	68.2	74.2	72.5	72.5	72.2	72.2	72.2
0907	70.2	69.8	69.8	68.0	68.0	68.0	75.0	74.0	73.3	73.0	73.0	73.0
0917	70.0	68.2	68.2	68.0	67.8	67.9	75.7	74.3	74.0	73.8	73.8	73.5
0927	70.5	68.9	68.9	68.9	68.8	68.5	76.5	75.2	75.2	75.0	75.0	74.6
0937	70.6	69.5	69.5	69.0	69.0	69.0	76.5	75.5	75.5	75.5	75.5	75.5
0947	71.0	69.4	69.0	68.5	68.3	68.0	78.6	77.0	77.0	76.5	76.5	76.5
0957	71.5	70.0	70.0	69.2	69.0	69.0	79.2	78.0	78.0	77.5	77.5	77.5
1007	72.0	69.5	69.2	68.8	68.5	68.5	79.8	77.9	77.9	77.5	77.5	77.5
1017	71.5	69.6	69.5	69.4	69.0	69.0	80.0	78.3	78.1	78.0	78.0	77.8
1027	72.0	69.5	69.5	69.0	69.0	69.0	80.2	79.0	79.0	78.5	78.5	78.5
1037	71.8	70.1	69.5	69.0	69.0	69.0	80.5	79.4	79.4	78.8	78.8	78.8
1047	72.2	70.0	69.5	69.0	69.2	69.2	81.0	79.0	79.0	79.0	79.0	79.0
1057	72.4	70.0	69.9	69.0	69.0	69.0	82.2	80.0	79.0	79.0	79.0	79.0
1107	72.0	70.0	69.6	69.0	69.0	69.2	81.4	79.9	79.9	79.5	79.5	79.5
1117	72.5	70.0	69.5	68.5	68.5	68.5	82.5	80.6	80.5	80.1	80.1	80.1
1127	71.0	69.9	69.5	68.5	68.3	68.8	82.9	81.0	80.5	80.0	80.0	80.0
1137	71.6	70.0	70.0	69.1	69.3	69.1	83.1	81.2	80.8	80.5	80.5	80.5
1147	72.0	69.0	69.0	68.8	69.2	69.2	82.7	81.2	81.0	80.5	80.5	80.5

TABLE C-5 (Continued)

August 30

Height (m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1157	72.0	70.4	70.2	69.9	70.0	69.4	84.7	81.5	80.8	80.5	80.5	80.5
1207	72.2	70.0	69.8	68.5	68.5	68.5	83.8	81.0	80.8	80.5	80.5	80.5
1217	72.2	69.5	69.5	69.0	68.8	68.8	84.0	81.5	81.0	81.0	81.0	81.0
1227	72.2	69.8	69.8	69.0	69.4	69.4	84.2	82.5	82.0	81.8	81.5	81.2
1237	72.5	70.2	69.8	69.0	69.0	69.0	84.1	82.3	82.2	81.5	81.6	82.0
1247	72.2	69.8	69.8	69.2	69.2	69.4	84.0	82.0	82.1	82.0	82.0	81.5
1257	73.2	70.8	70.4	69.5	69.5	69.5	84.2	83.3	83.0	82.4	82.4	82.0
1307	73.0	70.3	70.3	69.9	69.5	69.9	85.0	82.8	82.4	82.3	82.3	82.2
1317	72.6	70.4	70.5	69.5	69.5	69.5	84.5	83.0	83.0	83.0	83.0	82.8
1327	72.9	71.0	70.6	69.5	69.5	69.5	85.0	83.0	82.0	83.0	83.0	83.8
1337	72.7	70.1	70.2	70.0	70.0	70.1	85.9	84.6	84.5	84.5	83.2	83.0
1347	73.0	70.5	71.0	70.8	70.5	70.0	85.0	83.4	83.5	83.5	83.2	83.1
1357	71.2	70.0	70.0	69.5	69.5	70.3	81.0	84.0	83.8	83.5	83.5	83.4
1407	72.6	70.4	70.5	69.8	69.6	69.5	85.5	84.0	83.7	83.8	83.7	83.5
1417	74.0	71.0	70.8	70.0	70.1	69.7	85.5	84.7	85.1	84.8	84.5	84.6
1427	72.2	70.6	70.6	69.8	70.0	70.0	86.5	85.0	85.0	84.5	84.4	84.2
1437	73.2	71.2	70.6	70.0	70.5	70.2	87.0	85.6	85.0	84.5	84.5	84.5
1447	73.0	70.5	70.5	69.5	69.5	69.7	86.2	85.0	85.0	85.0	85.0	85.0
1457	73.0	70.5	70.2	69.4	69.5	69.2	86.0	85.0	85.0	85.0	85.1	85.2
1507	72.9	71.0	70.5	69.2	69.2	69.2	86.9	86.0	85.5	85.1	85.1	85.1
1517	72.4	70.0	69.5	69.0	69.0	69.2	86.8	85.5	85.5	85.0	85.0	85.0
1527	70.8	69.5	69.0	68.5	68.5	68.6	87.2	86.0	85.9	85.9	85.9	85.9

TABLE C-5 (Continued)

August 30

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1537	71.0	69.0	68.9	68.0	68.0	68.4	87.0	86.2	86.0	85.8	85.8	85.8
1547	70.7	69.5	69.5	68.8	68.8	69.0	87.0	86.0	86.0	85.5	85.5	85.5
1557	71.5	69.5	69.5	68.6	68.5	68.5	86.2	85.6	85.7	85.2	85.1	85.4
1607	72.0	70.5	70.2	69.0	69.0	69.0	86.2	85.7	85.5	85.5	85.5	85.5
1617	71.5	69.5	69.4	68.7	68.7	69.0	86.0	86.0	85.8	85.5	85.5	85.5
1627	71.0	69.7	69.9	69.4	69.8	70.5	85.2	84.9	84.9	84.6	84.8	84.5
1637	73.0	71.5	71.5	71.0	71.2	71.2	85.3	84.9	84.8	84.5	84.5	84.5
1647	72.9	71.9	71.7	71.0	71.0	71.5	84.5	84.5	84.5	84.2	84.2	84.0
1657	73.0	72.0	72.0	71.2	71.3	71.4	84.5	84.2	84.0	84.0	83.8	83.9
1707	72.5	71.8	72.0	71.3	71.3	71.3	84.0	84.0	83.8	83.5	83.5	83.5
1717	72.6	72.0	72.2	71.8	71.6	71.7	84.0	84.0	83.7	83.2	83.2	83.2
1727	71.9	71.4	71.4	70.8	70.8	71.0	83.2	83.0	83.0	82.7	82.8	82.8
1737	72.0	71.5	71.5	70.7	70.7	71.0	83.0	83.0	83.0	82.5	82.7	82.7
1747	72.0	71.5	71.5	71.0	70.9	71.0	82.7	82.9	82.9	82.5	82.5	82.5
1757	72.1	72.0	72.1	71.4	71.4	71.5	82.5	82.5	82.5	82.1	82.2	82.2
1807	72.2	72.0	72.0	71.5	71.5	71.5	82.0	81.9	81.9	81.9	81.9	81.9
1817	72.0	71.7	71.8	71.8	71.0	71.0	81.0	81.0	81.0	81.1	81.2	81.2
1827	71.5	71.4	71.4	70.9	70.9	70.9	80.5	80.5	80.5	80.5	80.4	80.5
1837	71.1	71.0	71.0	70.2	70.4	70.5	80.0	80.0	80.0	80.0	80.0	80.0
1847	71.1	71.0	71.0	70.5	70.2	70.5	79.5	79.9	80.0	80.0	80.0	80.0
1857	70.9	70.6	70.7	70.1	70.1	70.1	78.5	78.5	78.5	78.5	78.7	78.7
1907	70.5	69.9	69.9	69.5	69.5	69.5	77.7	78.0	78.2	78.4	78.5	78.4
1917	69.7	69.5	69.8	69.2	69.1	69.3	77.8	78.0	78.1	78.0	78.5	78.5

TABLE C-5 (Continued)

August 30

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1927	69.6	69.3	69.4	69.1	69.0	69.0	77.0	77.5	77.6	77.7	77.5	77.5
1937	69.2	69.2	69.2	69.0	68.5	68.5	76.0	76.7	76.9	76.9	77.5	77.2
1941	69.1	69.0	69.0	69.0	68.5	68.6	75.5	76.5	76.6	76.9	76.9	76.9
1957	68.7	69.0	69.0	69.0	68.5	68.5	75.2	76.2	76.2	76.2	76.5	76.8
2007	68.6	68.6	68.6	68.5	68.4	68.5	74.6	76.2	76.2	76.5	76.5	76.5
2017	67.5	68.4	68.7	68.5	68.3	68.5	71.4	76.0	76.0	76.0	76.3	76.3
2027	68.0	68.4	68.4	68.5	68.2	68.4	71.5	75.9	75.9	76.0	76.0	76.0
2037	68.4	68.5	68.5	68.2	68.0	68.1	73.5	75.2	75.2	75.2	75.2	75.2
2047	68.4	68.1	68.2	68.3	68.0	68.0	72.5	78.9	74.5	75.0	75.5	75.7
2057	68.2	68.0	68.2	68.2	67.9	68.0	73.0	74.0	74.4	74.4	74.5	74.7
2107	68.0	67.5	67.9	67.9	67.9	67.9	67.5	72.5	73.2	73.5	74.0	74.0
2117	64.9	67.0	67.2	67.4	67.4	67.5	66.0	72.0	72.5	73.0	73.5	73.5
2127	65.5	67.5	68.0	68.1	67.6	68.0	68.5	73.0	73.3	73.5	73.8	73.8
2137	65.2	67.1	67.5	67.5	67.4	67.5	67.1	72.0	72.4	72.5	73.0	73.5
2147	67.7	67.5	67.5	67.7	67.5	67.5	71.7	72.9	72.9	72.9	72.9	72.9
2157	66.0	67.0	67.2	67.2	66.1	67.2	67.0	71.0	71.5	72.0	72.5	72.5
2207	65.5	67.0	67.4	67.5	67.0	67.2	M	M	M	M	M	M

TABLE C-5 (Continued)

August 31

Height (m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0501	65.0	65.1	66.5	66.7	67.0	67.2	67.2	68.5	69.1	69.5	70.0	70.2
0511	68.1	68.4	68.6	68.7	68.7	68.7	70.3	70.5	70.5	70.6	70.6	70.5
0521	68.2	68.4	68.6	68.5	68.5	68.4	69.0	69.8	70.0	70.7	71.2	71.5
0531	68.0	68.5	69.9	68.5	68.5	68.5	68.0	69.0	69.5	70.1	70.5	70.7
0541	67.0	67.0	67.4	67.7	68.5	68.5	68.1	69.0	69.5	69.9	70.0	70.0
0551	67.8	68.2	68.5	68.4	68.5	68.5	68.5	69.0	69.5	70.0	70.1	70.3
0601	67.0	67.1	67.9	68.0	68.4	68.4	67.5	69.4	70.0	70.2	70.6	70.5
0611	68.0	68.2	68.3	68.0	68.2	68.0	69.5	70.7	70.7	71.0	71.5	71.5
0621	68.0	67.9	68.0	67.7	67.5	67.9	69.9	71.0	71.2	71.5	71.5	71.7
0631	67.7	67.5	67.9	67.5	67.5	67.5	69.2	70.0	70.5	70.8	71.1	71.5
0641	67.7	67.5	67.7	67.5	67.5	67.6	69.0	70.0	70.0	70.2	70.3	70.4
0651	68.0	67.5	68.0	67.5	67.7	67.4	70.0	70.5	70.5	70.8	71.0	71.3
0701	68.2	67.9	68.0	67.5	68.5	67.7	70.6	70.6	70.9	71.0	71.5	71.6
0711	68.1	67.9	67.8	67.5	67.7	67.5	71.0	71.2	71.2	71.5	72.0	71.8
0721	68.1	68.0	68.0	67.9	67.9	67.9	69.9	70.1	70.1	70.1	70.4	71.0
0731	68.5	68.1	68.1	67.9	67.8	67.8	70.6	70.1	70.2	70.7	70.7	70.9
0741	69.0	68.5	68.5	68.3	68.0	68.0	71.5	71.7	71.5	71.9	72.0	72.0
0751	68.5	68.2	68.0	68.0	67.5	67.1	71.9	71.9	71.9	71.9	71.9	71.9
0801	68.5	68.3	68.2	68.1	67.8	67.8	72.5	72.5	72.5	72.5	72.5	72.4
0811	68.4	68.4	68.0	67.9	67.8	67.6	72.2	72.2	72.2	72.2	72.0	72.0
0821	68.2	68.0	68.0	67.8	67.8	67.8	72.5	72.0	72.0	72.0	72.0	72.0
0831	68.5	67.8	67.8	67.2	66.8	66.8	73.0	72.2	72.5	72.2	72.5	73.0
0841	68.6	67.5	67.5	67.5	67.1	67.1	73.5	72.8	73.0	73.1	73.5	73.5

TABLE C-5 (Continued)

August 31

Height(m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
0851	68.5	67.5	67.5	66.5	67.0	67.0	74.6	74.5	74.5	74.5	74.2	74.0
0901	68.2	67.0	67.0	66.6	66.4	66.4	75.0	74.5	74.5	74.5	74.5	74.5
0911	69.0	68.0	67.8	67.5	67.2	67.0	75.5	74.9	74.9	74.9	74.9	74.9
0921	69.0	68.0	67.7	67.3	67.0	67.0	74.5	74.7	74.8	74.8	74.8	74.8
0931	69.3	68.0	68.0	67.5	67.7	68.0	78.4	77.0	76.5	76.5	76.4	76.1
0941	70.2	68.5	68.4	68.0	68.0	67.9	79.1	77.5	77.1	77.2	77.0	77.0
0951	69.5	67.9	67.5	67.4	67.0	67.0	77.0	77.0	77.0	76.8	76.8	76.8
1001	68.4	67.9	67.9	67.4	67.3	67.1	76.5	76.5	76.5	76.5	76.5	76.5
1011	68.4	67.9	67.8	67.0	67.0	67.0	75.5	75.9	75.9	75.9	75.9	75.9
1021	68.4	67.8	67.8	67.5	67.5	67.5	76.5	76.2	76.0	76.0	76.0	76.0
1031	69.0	68.0	68.0	67.4	67.2	67.1	76.1	76.0	76.0	76.0	76.0	76.0
1041	68.0	67.5	67.5	67.2	67.1	67.1	76.1	76.0	76.0	75.9	75.9	75.9
1051	68.8	68.2	68.0	67.9	67.5	67.5	76.2	76.0	75.9	75.9	75.7	75.7
1101	68.9	68.5	68.5	68.0	68.0	68.0	75.3	75.0	74.9	74.9	74.9	74.9
1111	69.1	68.5	68.2	68.0	68.0	67.9	75.0	74.5	74.4	74.4	74.2	74.2
1121	70.1	69.0	68.9	68.1	68.0	68.0	75.0	74.5	74.5	74.3	74.2	74.2
1131	69.5	68.5	68.5	68.4	68.4	68.2	75.4	75.0	74.9	74.9	74.8	74.5
1141	68.8	68.5	68.5	68.3	68.0	68.0	74.5	74.5	74.5	74.5	74.5	74.5
1151	69.9	69.0	68.9	68.9	68.8	68.8	76.0	75.5	75.2	75.2	75.0	75.0
1201	70.0	69.1	69.0	68.9	68.6	68.5	75.4	75.1	75.0	75.0	75.0	75.0
1211	69.4	69.0	69.0	68.8	68.8	68.5	75.0	75.0	75.0	75.0	75.0	74.6
1221	70.0	69.6	69.5	69.5	69.5	69.4	74.4	74.2	74.0	74.0	74.0	73.8
1231	70.2	69.9	69.5	69.5	69.5	69.5	74.5	74.0	74.0	74.0	73.8	73.5

TABLE C-5 (Continued)

August 31

Height (m)	Wet ½	4	7	10	13	16	Dry ½	4	7	10	13	16
Time												
1241	70.5	69.9	69.9	69.8	69.5	69.5	74.0	73.8	73.8	73.7	73.5	73.5
1251	70.6	70.0	69.8	69.5	69.5	69.5	74.2	74.0	73.8	73.5	73.5	73.5
1301	70.6	70.0	70.0	70.0	70.0	69.8	75.0	74.0	73.8	73.8	73.5	73.5
1311	71.0	70.0	70.0	70.0	70.0	69.8	75.0	74.3	73.9	73.9	73.8	73.7
1321	72.2	70.5	70.5	70.4	70.0	70.0	76.0	74.5	74.2	74.1	74.1	74.1
1331	71.0	71.1	70.0	70.0	70.0	70.0	75.0	74.7	74.5	74.4	74.1	74.1
1341	71.2	70.7	70.8	70.3	70.1	70.1	75.5	74.9	74.6	74.5	74.5	74.5
1351	72.5	71.0	70.7	70.1	70.1	70.3	77.4	75.9	75.7	75.5	75.3	75.0
1401	72.0	70.9	70.9	70.6	70.5	70.5	76.6	75.5	75.4	75.2	75.0	74.9
1411	71.6	71.0	71.0	70.7	70.6	70.6	75.6	75.2	75.0	75.0	75.0	74.9
1421	72.0	71.0	71.0	70.9	70.8	70.8	76.8	75.8	75.5	75.5	75.1	75.1
1431	73.0	71.3	71.1	71.1	71.0	71.0	78.0	76.8	76.0	76.0	76.1	76.1
1441	72.1	71.5	71.5	71.5	70.4	70.4	77.3	76.8	76.5	76.5	76.3	76.1
1451	72.5	71.9	71.5	71.5	71.5	71.5	77.8	77.0	76.5	76.5	76.5	76.5
1501	72.5	71.8	71.6	71.6	71.5	71.2	77.8	77.0	76.7	76.4	76.5	76.5
1511	73.0	71.9	71.6	71.6	71.5	71.5	77.5	77.0	77.0	77.0	76.8	76.8
1521	72.2	71.9	71.7	71.5	71.5	71.5	77.0	76.7	76.5	76.5	76.5	76.3
1531	73.1	72.5	72.2	71.9	71.6	71.5	77.2	76.9	76.9	76.5	76.4	76.4
1541	73.0	72.0	72.0	72.0	71.8	71.9	78.2	77.5	77.2	77.0	76.9	76.8
1551	73.8	72.5	72.4	72.4	72.2	72.0	78.2	77.5	77.2	77.2	77.0	77.0
1601	73.5	72.6	72.6	72.2	72.0	72.0	77.5	77.3	77.0	77.0	77.0	77.0
1611	73.4	72.7	72.5	72.2	72.1	72.2	78.0	77.5	77.4	77.1	77.0	77.0
1621	73.5	72.7	72.8	72.7	72.5	72.5	78.0	77.5	77.2	77.0	77.0	77.2

TABLE C-5 (Continued)

August 31

Height (m)	Wet						Dry					
Time	½	4	7	10	13	16	½	4	7	10	13	16
1631	73.9	73.0	72.8	72.5	72.5	72.5	78.5	77.8	77.8	77.8	77.5	77.5
1641	74.7	73.3	73.0	72.7	73.0	73.0	80.0	79.0	78.5	78.3	78.1	78.1
1651	73.5	73.2	73.2	73.0	73.0	73.0	78.5	78.5	78.5	78.2	78.5	78.4
1701	74.0	73.5	73.6	73.3	73.3	73.1	79.2	79.0	79.0	78.8	79.0	78.8
1711	73.6	73.2	73.2	73.0	73.0	73.0	78.0	78.5	78.5	78.5	78.5	78.5
1721	73.5	73.2	73.5	73.2	73.0	73.0	78.0	78.2	78.3	78.3	78.1	78.1
1731	73.6	73.5	73.4	73.4	73.0	73.3	78.0	78.1	78.3	78.3	78.5	78.5
1741	73.5	73.5	73.5	73.0	73.0	73.1	78.3	78.0	78.1	78.1	78.5	78.4
1751	73.7	73.4	73.4	73.4	73.0	73.2	78.3	78.0	78.3	78.5	78.5	78.5
1801	74.0	73.5	73.5	73.5	73.4	73.5	78.4	78.5	78.5	78.5	78.4	78.4
1811	74.2	73.6	73.6	73.5	73.3	73.4	77.7	78.0	78.0	78.0	78.3	78.2
1821	73.9	73.5	73.5	73.5	73.2	73.5	77.5	78.0	78.0	78.0	78.1	78.1
1831	73.6	73.6	73.6	73.6	73.0	73.2	77.2	77.2	77.5	77.5	77.7	77.7
1841	74.0	73.5	73.5	73.5	73.1	73.2	77.2	77.5	77.7	77.8	78.0	78.0
1851	73.1	73.0	73.0	73.0	73.0	73.0	76.7	77.0	77.4	77.5	78.0	78.0
1901	73.0	72.7	72.9	72.9	72.9	72.9	76.5	77.0	77.5	77.8	78.0	78.0
1911	73.4	73.4	73.3	73.1	72.8	72.9	76.7	77.0	77.4	77.5	78.0	78.0
1921	73.0	72.5	72.7	73.0	73.0	73.0	75.9	76.6	77.0	77.3	77.5	77.5
1931	73.0	72.9	72.9	72.9	72.5	72.7	76.5	76.7	77.2	77.5	78.0	78.0
1941	73.1	73.0	73.0	73.0	72.5	72.5	77.5	77.5	77.5	77.5	77.5	77.5
1951	73.4	73.3	73.2	73.1	73.0	73.0	77.2	77.5	77.5	77.7	78.2	78.0
2001	73.5	73.4	73.5	73.4	73.0	73.5	77.9	78.0	78.0	78.0	78.0	78.0
2011	73.5	73.5	73.4	73.2	73.0	73.1	77.5	78.4	78.2	78.1	78.2	78.4

TABLE C-5 (Concluded)

August 31

Height (m) / Time	Wet ½	Wet 4	Wet 7	Wet 10	Wet 13	Wet 16	Dry ½	Dry 4	Dry 7	Dry 10	Dry 13	Dry 16
2021	73.3	73.3	73.3	73.4	73.4	73.4	77.0	77.4	77.5	77.7	78.0	78.0
2031	73.0	73.0	73.0	73.0	73.0	73.2	76.5	77.2	77.5	77.6	77.9	77.8
2041	72.9	72.9	73.0	73.0	73.0	73.0	76.1	76.7	77.0	77.0	77.0	77.2
2051	72.8	72.8	72.8	72.8	72.8	72.9	75.5	76.2	76.5	76.7	77.0	77.0

ONE-HALF HOUR WIND SPEED AVERAGES (cm sec^{-1})—IN-SEASON EXPERIMENT 1962

August 27

Height (m) Time Starting	¼	½	1	2	4	6	20	Remarks
0530	-	-	15	15.5	268	290	380	
0600	-	-	14	15	234	268	335	
0630	-	-	14.4	15	234	246	290	
0700	-	-	138	161	186	193	218	
0730	-	-	175	226	256	266	300	
0800	-	-	175	226	256	266	300	
0830	163	199	211	247	267	276	292	
0900	-	-	-	-	-	-	-	
0930	169	209	239	273	300	309	341	
1000	178	221	255	292	317	326	353	
1030	206	256	295	340	368	380	417	
1100	195	242	282	324	357	369	408	
1130	202	254	295	339	373	381	434	
1200	213	266	-	357	388	401	450	
1230	163	202	236	269	297	307	350	
1300	195	243	282	325	357	368	408	
1330	201	253	295	327	367	381	435	
1400	-	-	-	-	-	-	-	
1430	-	-	-	-	-	-	-	
1500	105	161	195	235	275	291	361	
1530	206	238	277	315	352	366	427	
1600	-	-	-	-	-	-	-	

TABLE C-6 (Continued)

August 27

Height (m)	¼	½	1	2	4	6	20	Remarks
Time Starting								
1630	-	-	-	-	-	-	-	
1700	-	-	-	-	-	-	-	
1730	123	153	180	209	242	253	283	
1800	-	-	-	-	-	-	-	
1830	-	-	-	-	-	-	-	
1900	34	50	65	81	102	112	143	
1930	24	37	48	62	85	89	147	

TABLE C-6 (Continued)

August 28

Height (m)	¼	½	1	2	4	6	20	Remarks
Time Starting								
0500	-	39	52	66	89	78	-	
0530	22*	14**	53*	70*	71*	67**	-	*= 27 min **= 26 min
0600	32*	42*	47*	55*	71*	89*	179**	*= 25 min **= 15 min
0630	38	48	55	66	89	103	179	
0700	17	21	20	29	44	46	-	
0730	34	40	43	50	67	71	-	
0800	58	73	80	93	114	116	-	
0830	74	95	105	118	136	138	142	
0900	-	93	103	112	131	133	-	
0930	50	73	78	87	108	112	-	
1000	60*	95*	103*	116*	134*	136*	107**	*= 22 min **= 12 min
1030	101	149	169	187	210	216	224	
1100	135	159	178	200	226	233	251	
1130	146	182	208	235	258	267	293	
1200	139	168	198	223	251	262	287	
1230	134	167	191	212	236	242	267	
1300	119	145	165	184	210	222	238	
1330	96	118	129*	144	178	178	161	*= 25 min
1400	-	-	-	-	-	-	-	
1430	-	-	-	-	-	-	-	
1500	105	129	147	166	188	193	217	
1530	79	94	106	118	138	141	158	

TABLE C-6 (Continued)

August 28

Height (m) / Time Starting	¼	½	1	2	4	6	20	Remarks
1600	-	-	-	-	-	-	-	
1630	-	-	-	-	-	-	-	
1700	65	83	94	108	130	134	140	
1730	71	90	103	121	134	138	290*	*= 9 min
1800	-	-	-	-	-	-	-	
1830	-	-	-	-	-	-	-	
1900	122*	165	197	228	246	248	339	*= 25 min
1930	111*	138*	167*	200*	220*	223*	313*	8= 12 min
2000	-	-	-	-	-	-	-	
2030	-	-	-	-	-	-	-	
2100	58	76	96	124	152	167	234	
2130	49	65	83	114	163	192	247	

TABLE C-6 (Continued)

August 29

Height (m) Time Starting	¼	½	1	2	4	6	20	Remarks
0530								
0600	14	18	20	29	36	45	120*	*= 28 min
0630	30*	36*	37*	52*	78*	85*	174*	*= 23 min
0700	51	63	68*	83	100	112	196	*= 27 min
0730	85	108	-	142	156	188	201	
0800	78	96	-	124	134	136	138	
0830	103	129	-	166	188	193	215	
0900	143	184	218	246	273	283	328	
0930	131	166	177	213	236	242	255	
1000	117	147	-	191	212	218	256	
1030	-	-	-	-	-	-	-	
1100	132	164	232	211	233	238	260	
1130	160	206	246	272	293	303	345	
1200	149	183	-	249	273	281	312	
1230	159	196	230	260	287	295	338	
1300	161	203	241	272	298	307	361	
1330	179	221	-	297	323	335	387	
1400	-	-	-	-	-	-	-	
1430	-	-	-	-	-	-	-	
1500	187	232	277	315	343	355	396	
1530	185	235	277	322	352	368	421	

TABLE C-6 (Continued)

August 29

Height (m) Time Starting	¼	½	1	2	4	6	20	Remarks
1600	-	-	-	-	-	-	-	
1630	-	-	-	-	-	-	-	
1700	201	244	294	343	382	407	493	
1730	-	143	172	204	250	276	361	
1800	-	-	-	-	-	-	-	
1830	-	-	-	-	-	-	-	
1900	-	52	90	133	161	176	264	
1930	-	121	146	195	221	223	290	
2000	-	-	-	-	-	-	-	
2030	-	-	-	-	-	-	-	
2100	-	162*	202*	252*	257*	268*	335*	*= 26 min

TABLE C-6 (Continued)

August 30

Height (m) / Time Starting	¼	½	1	2	4	6	20	Remarks
0500	-	-	-	-	44	49	112	
0530	-	-	-	-	49	-	134*	*= 13½ min
0600	-	-	-	-	-	-	-	
0630	-	53*	65**	62	63	67	-	*= 27 min **= 24 min
0700	-	32	37	47	67	67	134	
0730	-	57	62	76	89	91	174*	*= 13½ min
0800	-	104	119*	132	145	263	145*	*= 18 min
0830	-	104	116*	131	263**	269**	263**	*= 21 min **= 29 min
0900	-	157	183	206	228	235	-	
0930	-	171	203	221	243	251	286	
1000	-	203	205	270	296	305	341	
1030	-	-	238	268	295	305	336	
1100	-	180	203	262	298	308	335	
1130	180	224	262	300	328	340	368	
1200	183	225	252	297	315	335	363	
1230	173	210	248	282	312	327	362	
1300	-	-	-	-	-	-	-	
1330	171	204	237	280	306	316	342	
1400	227*	267*	304*	359*	223*	447*	592*	*= 20 min
1430	-	-	-	-	-	-	-	
1500	230	253	-	359	392	401	445	
1530	224	282	-	394	437	458	520	

TABLE C-6 (Continued)

August 30

Height (m) Time Starting	¼	½	1	2	4	6	20	Remarks
1600	-	-	-	-	-	-	-	
1630	-	-	-	-	-	-	-	
1700	207	255	312	369	396	402	440	
1730	176	218*	270	317	337	345	371	
1800	-	-	-	-	-	-	-	
1830	-	-	-	-	-	-	-	
1900	101	129	157	184	205	218	290	
1930	48	59	76	93	113	120	125	
2000	24	27	32	53	103	76	-	
2030	34	48	58	71	246	103	-	
2100	28	36	34	55	75	75	154	

TABLE C-6 (Continued)

August 31

Height (m) Time Starting	¼	½	1	2	4	6	20	Remarks
0500	90	111	131	165	210	228	268	
0530	51	65	80	94	107	107	-	
0600	65	81	96	127	143	179	259	
0630	40	50	60	75	76	76	85	
0700	68	88	101	119	143	152	179	
0730	152	187	227	274	299	317	366	
0800	124	152	183	212	223	232	264	
0830	152	185	155	262	286	295	357	
0900	184	223	264	318	360	384	384	
0930	225	267	325	381	424	451	514	
1000	198	239	292	345	384	406	456	
1030	239	292	357	416	460	487	563	
1100	239	-	342	403	456	474	536	
1136	235*	152*	342*	409*	447*	487*	567*	*= 24 min
1200	284	340	420	496	567	603	693	
1230	299	362	441	519	577	626	724	
1300	279	344	416	502	577	603	680	
1330	295	369	435	521	567	626	724	
1400	288	347	421	504	567	545	704	
1430	294	350	430	506	590	402	682	
1500	259	317	376	447	518	-	617	
1530	250	300	369	433	492	-	603	

TABLE C-6 (Concluded)

August 31

Height (m) / Time Starting	¼	½	1	2	4	6	20	Remarks
1600	242	295	445	418	492	-	577	
1630	235	288	330	413	460	-	554	
1700	204	250	302	352	411	433	514	
1730	150	187	223	260	290	312	384	
1800	106*	113*	134*	165*	188*	-	212*	*= 25 min
1830	109	134	165	200	241	-	344	
1900	140	174	207	250	313	-	500	
1930	200	245	290	335	299	-	545	
2000	174	212	255	287	399	-	464	
2030	101	122	147	185	223	-	326	

TABLE C-7

THE RICHARDSON NUMBER AND EDDY DIFFUSIVITY NEAR THE GROUND—
IN-SEASON EXPERIMENT 1962

August 27

HEIGHT 2.5m

Time	R_i	K_{RM}*	K_{MO}	K_{PR}
0545	0.03	0.20		
0615	0.02	0.20		
0645	0.01		0.14	
0715	-0.01		0.14	
0745	-1.72			0.60
0815	-			0.83
0845	-0.17			1.02
0915	-			1.21
0945	-0.16			1.35
1015	-0.19			1.50
1045	-0.14			1.58
1115	-0.13			1.49
1145	-0.08			1.32
1215	-0.08			1.24
1245	-0.13			1.26
1315	-0.10			1.26
1345	-0.10			1.24
1415	-			1.24
1445	-			1.27
1515	-0.09			1.29
1545	-0.10			1.27
1615	-			1.13
1645	-			0.89
1715	-0.01		0.24	
1745	0.05	0.15		
1815	-			
1845	-			
1915	0.62	0.04		
1945	0.60	0.04		

*All K_{RM} values are in doubt since the computation was performed assuming that the friction velocity in the 0.5-4.0 m layer could be computed from the neutral lapse equation and that this value was constant to the top of the tower.

TABLE C-7 (Continued)

August 27

HEIGHT 5.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	0.10	0.35		
0615	0.06	0.38		
0645	0.02	0.36		
0715	-0.09			1.23
0745	-0.15			2.13
0815	-			2.61
0845	-0.59			2.75
0915	-			3.01
0945	-0.45			3.36
1015	-0.47			3.35
1045	-0.32			3.24
1115	-0.29			3.23
1145	-0.23			3.23
1215	-0.22			3.12
1245	-0.28			2.87
1315	-0.19			2.73
1345	-0.16			2.73
1415	-			2.73
1445	-			2.99
1515	-0.20			3.66
1545	-0.28			4.04
1615	-			
1645	-			
1715	0.01		0.43	
1745	0.12	0.28		
1815	-			
1845	-			
1915	0.53	0.10		
1945	0.79	0.09		

TABLE C-7 (Continued)

August 27

HEIGHT 8.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	0.17	0.46		
0615	0.10	0.43		
0645	0.10		0.48	
0715	-0.46			3.60
0745	-0.64			4.64
0815	-			5.08
0845	-1.98			4.63
0915	-			4.14
0945	-0.75			5.06
1015	-0.90			5.46
1045	-0.64			5.06
1115	-0.44			5.05
1145	-0.42			5.45
1215	-0.44			5.05
1245	-0.39			4.61
1315	-0.32			4.12
1345	-0.17			4.12
1415	-			4.11
1445	-			4.11
1515	-0.10			4.11
1545	-0.14			4.59
1615	-			
1645	-			
1715	0.05	0.69		
1745	0.27	0.34		
1815	-			
1845	-			
1915	0.52	0.17		
1945	0.78	0.14		

TABLE C-7 (Continued)

August 27

HEIGHT 11.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	0.30	0.53		
0615	0.16	0.62		
0645	-0.01		0.80	
0715	-1.26			6.58
0745	-1.23			7.59
0815	-			7.59
0845	-2.16			5.36
0915	-			3.78
0945	-0.74			6.55
1015	-1.03			7.55
1045	-0.48			6.54
1115	-0.49			6.53
1145	-0.47			7.54
1215	-0.37			6.53
1245	-0.25			5.33
1315	-0.28			3.77
1345	-0.14			5.32
1415	-			5.32
1445	-			3.76
1515	-0.05			3.76
1545	-0.09			5.32
1615	-			
1645	-			
1715	0.12	0.78		
1745	0.30	0.44		
1815	-			
1845	-			
1915	0.54	0.21		
1945	0.67	0.20		

TABLE C-7 (Continued)

August 27

HEIGHT 14.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	0.41	0.59		
0615	0.22	0.71		
0645	-0.18			6.03
0715	-2.78			12.07
0745	-2.12			13.49
0815	-			12.06
0845	-5.13			8.51
0915	-			6.01
0945	-0.52			6.00
1015	-2.03			8.48
1045	-0.73			6.00
1115	-0.55			5.99
1145	-0.44			8.47
1215	-0.42			8.47
1245	-0.02		7.19	
1315	0.09		0.41	
1345	-0.09			5.98
1415	-			5.98
1445	-			
1515	0.02		1.10	
1545	-0.01		1.27	
1615	-			
1645	-			
1715	0.23	0.80		
1745	0.56	0.43		
1815	-			
1845	-			
1915	0.55	0.27		
1945	0.71	0.24		

TABLE C-7 (Continued)

August 28

HEIGHT 2.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	0.25	0.07		
0615	0.34	0.05		
0645	0.19	0.06		
0715	-			
0745	0.09	0.05		
0815	-0.19			0.60
0845	-0.41			0.80
0915	-0.41			0.84
0945	-0.29			0.94
1015	-0.18			0.87
1045	-0.15			0.87
1115	-0.12			0.89
1145	-0.09			0.91
1215	-0.10			0.87
1245	-0.15			0.69
1315	-0.11			0.44
1345	-0.18			0.40
1415	-			0.56
1445	-			0.53
1515	-0.07			0.25
1545	-0.13			0.31
1615	-			
1645	-			
1715	0.06	0.07		
1745	0.05	0.08		
1815	-			
1845	-			
1915	0.01		0.18	
1945	0.01		0.16	
2015	-			
2045	-			
2115	0.13	0.12		
2145	0.11	0.16		

TABLE C-7 (Continued)

August 28

HEIGHT 5.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	0.82	0.10		
0615	1.22	0.06		
0645	0.21	0.14		
0715	-			
0745	0.49	0.06		
0815	-0.05			0.87
0845	-0.44			1.22
0915	-0.34			1.50
0945	-0.37			1.72
1015	-0.28			2.10
1045	-0.92			2.62
1115	-0.27			2.43
1145	-1.02			2.43
1215	-0.35			2.57
1245	-0.52			2.57
1315	-0.25			2.27
1345	-0.40			1.71
1415	-			0.86
1445	-			-
1515	-0.11			1.21
1545	-0.14			0.86
1615	-			
1645	-			
1715	0.27	0.10		
1745	0.23	0.14		
1815	-			
1845	-			
1915	0.04	0.43		
1945	0.07	0.36		
2015	-			
2045	-			
2115	0.21	0.23		
2145	0.10	0.37		

TABLE C-7 (Continued)

August 28

HEIGHT 8.5m

Time	R_i	K_{RM*}	K_{MO}	K_{PR}
0545	1.27	0.13		
0615	2.30	0.07		
0645	0.42	0.16		
0715	-			
0745	-			
0815	-			
0845	4.50	0.02		
0915	-			
0945	-			
1015	-0.42			3.55
1045	-3.98			4.43
1115	-1.10			4.10
1145	-0.66			4.09
1215	-0.57			4.57
1245	-0.96			4.57
1315	-0.78			4.09
1345	-0.52			2.89
1415	-			
1445	-			
1515	0.03	0.42		
1545	0.06	0.20		
1615	-			
1645	-			
1715	0.69	0.09		
1745	0.40	0.13		
1815	-			
1845	-			
1915	0.13	0.32		
1945	0.13	0.37		
2015	-			
2045	-			
2115	0.33	0.18		
2175	0.10	0.39		

TABLE C-7 (Continued)

August 28

Height 11.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	2.63	0.12		
0615	2.53	0.09		
0645	0.36	0.24		
0715	-			
0745	-			
0815	-			
0845	4.73	0.04		
0915	-			
0945	-			
1015	-0.21			3.75
1045	-4.07			5.72
1115	-2.19			5.30
1145	-0.94			6.48
1215	-0.75			6.48
1245	-1.07			5.28
1315	-5.33			3.74
1345	-0.97			3.73
1415	-			
1445	-			
1515	0.69	0.21		
1545	0.65	0.15		
1615	-			
1645	-			
1715	1.28	0.12		
1745	0.87	0.17		
1815	-			
1845	-			
1915	0.16	0.65		
1945	0.27	0.50		
2015	-			
2045	-			
2115	0.35	0.39		
2175	0.13	0.72		

TABLE C-7 (Continued)

August 28

HEIGHT 14.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	3.11	0.14		
0615	3.43	0.10		
0645	0.33	0.31		
0715	-			
0745	-			
0815	-			
0845	38.74	0.02		
0915	-			
0945	-			
1015	- 0.21			5.96
1045	-10.48			6.43
1115	- 3.13			5.95
1145	- 0.55			5.95
1215	- 0.97			8.41
1245	- 1.69			8.40
1315	-11.79			5.94
1345	- 0.25			0.00
1415	-			
1445	-			
1515	1.24	0.21		
1545	4.62	0.08		
1615	-			
1645	-			
1715	2.00	0.11		
1745	1.96	0.14		
1815	-			
1845	-			
1915	0.29	0.68		
1945	0.30	0.61		
2015	-			
2045	-			
2115	0.37	0.48		
2145	0.14	0.90		

TABLE C-7 (Continued)

August 29

HEIGHT 2.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615	2.01	0.02		
0645	0.66	0.04		
0715	0.51	0.04		
0745	0.19	0.07		
0815	0.00		0.09	
0845	-0.14			0.80
0915	-0.10			1.01
0945	-0.23			1.10
1015	-0.24			1.17
1045	-			1.30
1115	-0.32			1.19
1145	-0.14			1.14
1215	-0.11			1.08
1245	-0.09			1.05
1315	-0.10			1.08
1345	-0.09			1.18
1415	-			1.22
1445	-			1.14
1515	-0.05			0.94
1545	-0.02		0.28	
1615	-			
1645	-			
1715	0.03	0.28		
1745	0.10	0.18		
1815	-	-		
1845	-	-		
1915	0.21	0.16		
1945	0.24	0.12		
2015	-	-		
2045	-	-		
2115	0.11	0.20		

TABLE C-7 (Continued)

August 29

HEIGHT 5.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545	-			
0615	2.09	0.04		
0645	0.48	0.11		
0715	0.38	0.11		
0745	0.57	0.10		
0815	0.04	0.19		
0845	-0.47			2.28
0915	-0.33			2.97
0945	-1.26			3.32
1015	-0.64			3.53
1045	-			
1115	-1.23			3.32
1145	-0.51			3.31
1215	-0.49			3.31
1245	-0.31			3.08
1315	-0.22			2.83
1345	-0.21			2.83
1415	-			2.96
1445	-			2.83
1515	-0.14			2.26
1545	-0.02		0.53	
1615	-			
1645	-			
1715	0.11	0.48		
1745	0.20	0.32		
1815	-			
1845	-			
1915	0.41	0.28		
1945	0.58	0.19		
2015	-			
2045	-			
2115	0.24	0.34		

TABLE C-7 (Continued)

August 29

HEIGHT 8.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615	2.16	0.06		
0645	0.58	0.15		
0715	0.41	0.16		
0745	0.76	0.14		
0815	0.11	0.23		
0845	-0.88			3.55
0915	-0.41			5.02
0945	-3.42			6.13
1015	-0.99			6.46
1045	-			6.58
1115	-1.68			5.77
1145	-0.74			5.77
1215	-1.05			5.40
1245	-0.48			5.00
1315	-0.24			4.56
1345	-0.24			4.08
1415	-			4.56
1445	-			4.55
1515	-0.27			3.53
1545	-0.00		0.57	
1615	-			
1645	-			
1715	0.19	0.63		
1745	0.31	0.71		
1815	-			
1845	-			
1915	0.66	0.35		
1945	1.01	0.23		
2015	-			
2045	-			
2115	0.49	0.40		

TABLE C-7 (Continued)

August 29

HEIGHT 11.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615	2.94	0.07		
0645	0.68	0.19		
0715	0.49	0.20		
0745	1.27	0.15		
0815	0.29	0.23		
0845	-1.02			6.50
0915	-0.69			9.17
0945	-8.48			10.58
1015	-1.60			10.57
1045	-			10.62
1115	-2.10			8.35
1145	-0.76			8.34
1215	-1.91			8.35
1245	-0.62			7.46
1315	-0.30			6.46
1345	-0.19			5.27
1415	-			5.27
1445	-			5.27
1515	-0.19			3.72
1545	0.11	0.85		
1615	-			
1645	-			
1715	0.27	0.76		
1745	0.50	0.47		
1815	-			
1845	-			
1915	0.80	0.44		
1945	1.78	0.23		
2015	-			
2045	-			
2115	0.68	0.47		

TABLE C-7 (Continued)

August 29

HEIGHT 14.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615	2.38	0.09		
0645	0.71	0.24		
0715	0.47	0.26		
0745	2.02	0.16		
0815	0.36	0.27		
0845	-1.13			8.43
0915	-1.22			11.90
0945	-15.58			14.56
1015	-1.65			14.54
1045	-			12.75
1115	-1.88			10.28
1145	-0.61			10.27
1215	-1.96			10.27
1245	-0.97			8.38
1315	-0.15			5.92
1345	0.02	1.23		
1415	-			
1445	-			
1515	-0.02		0.59	
1545	0.24	0.86		
1615	-			
1645	-			
1715	0.45	0.78		
1745	0.64	0.54		
1815	-			
1845	-			
1915	1.31	0.44		
1945	2.74	0.24		
2015	-			
2045	-			
2145	0.71	0.57		

TABLE C-7 (Continued)

August 30

HEIGHT 2.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615				
0645				
0715	-0.22			0.63
0745	-0.32			0.85
0815	-			1.00
0845	-			1.12
0915	-0.23			1.15
0945	-0.29			1.17
1015	-0.16			1.22
1045	-0.17			1.42
1115	-0.13			1.41
1145	-0.16			1.50
1215	-0.19			1.49
1245	-0.13			1.35
1315	-			1.12
1345	-0.07			0.87
1415	-			0.81
1445	-			0.94
1515	-0.06			1.00
1545	-0.02		0.35	
1615	-			
1645	-			
1715	-0.01		0.25	
1745	-0.00		0.21	
1815	-			
1845	-			
1915	0.06	0.14		
1945	0.30	0.06		
2015	-			
2045	-			
2115	1.43	0.02		

TABLE C-7 (Continued)

August 30

HEIGHT 5.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615				
0645				
0715	0.13		0.03	
0745	-0.03		0.37	
0815	-			1.23
0845	-			1.93
0915	-0.51			2.58
0945	-0.44			2.85
1015	-0.40			3.09
1045	-0.51			3.59
1115	-0.55			3.64
1145	-0.61			3.83
1215	-0.44			3.83
1245	-0.36			3.42
1315	-			2.96
1345	-0.20			2.42
1415	-			2.26
1445	-			2.26
1515	-0.11			2.09
1545	-0.05			1.91
1615	-			1.70
1645	-			1.91
1715	-0.08			2.06
1745	-0.06			1.21
1815	-			
1845	-			
1915	0.17	0.23		
1945	0.33	0.11		
2015	-			
2045	-			
2125	0.99	0.06		

TABLE C-7 (Continued)

August 30

HEIGHT 8.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615				
0645				
0715	0.73	0.09		
0745	0.33	0.15		
0815	-			
0845	-			
0915	-0.55			3.56
0945	-0.48			4.58
1015	-0.46			5.01
1045	-0.68			5.85
1115	-0.69			5.78
1145	-1.11			6.13
1215	-0.72			6.12
1245	-0.50			5.40
1315	-			4.99
1345	-0.44			4.07
1415	-			4.07
1445	-			3.52
1515	-0.09			2.03
1545	-0.02		0.90	
1615	-			2.03
1645	-			2.87
1715	-0.21			3.80
1745	-0.20			2.03
1815	-			
1845	-			
1915	0.25	0.33		
1945	0.44	0.16		
2015	-			
2045	-			
2115	0.97	0.09		

TABLE C-7 (Continued)

August 30

HEIGHT 11.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615				
0645				
0715	1.67	0.09		
0745	0.56	0.16		
0815	-			
0845	-			
0915	-0.28			3.76
0945	-0.48			5.30
1015	-0.40			6.48
1045	-0.81			7.00
1115	-0.67			6.48
1145	-1.41			7.47
1215	-0.60			7.47
1245	-0.57			7.46
1315	-			6.46
1345	-1.36			6.45
1415	-			5.26
1445	-			
1515	0.01		0.55	
1545	0.02		0.79	
1615	-			
1645	-			
1715	-1.00			6.95
1745	-0.64			5.26
1815	-			
1845	-			
1915	0.56	0.32		
1945	0.70	0.18		
2015	-			
2045	-			
2115	0.74	0.14		

TABLE C-7 (Concluded)

August 30

HEIGHT 14.5m

Time	R_i	K_{RM}	K_{MO}	K_{PR}
0545				
0615				
0645				
0715	2.42	0.09		
0745	1.02	0.16		
0815	-			
0845	-			
0915	2.36	0.16		
0945	-0.31			5.96
1015	-0.38			5.95
1045	-0.47			6.42
1115	-1.35			5.94
1145	-0.69			5.94
1215	-0.59			8.39
1245	-0.71			8.39
1315	-			8.38
1345	-0.97			8.37
1415	-			
1445	-			
1515	0.54	0.55		
1545	0.18	1.15		
1615	-			
1645	-			
1715	-1.18			9.02
1745	-2.93			5.91
1815	-			
1845	-			
1915	1.01	0.31		
1945	0.59	0.24		
2015	-			
2045	-			
2115	0.57	0.20		

TABLE C-8

THE COMPUTATION OF POLLEN SOURCE STRENGTH—IN SEASON EXPERIMENT 1962

Time	Accumulated Deposition (gr m-2)	Integrated Pollen (gr m^{-2})	Total Input (gr m^{-2})
	August 27		
0723	0	0	0
0920	29,158	2,031,821	2,060,979
1115	99,339	833,948	933,287
1305	114,317	1,316,970	1,431,287
1717	148,488	725,270	873,758
2043	161,514	1,195,908	1,357,422
	August 28		
0520	0	0	0
0722	6,351	543,525	549,876
0924	41,232	694,025	735,257
1140	95,864	1,278,573	1,374,437
1329	125,988	767,751	893,739
1957	199,036	1,512,471	1,711,507
	August 29		
0739	0	0	0
0941	60,251	776,365	828,616
1132	91,212	375,143	466,355
1346	136,475	1,839,629	1,976,104
1942	199,489	211,255	410,744
	August 30		
0836	0	0	0
1110	302,477	603,535	906,012
1313	315,954	2,410,712	2,762,666
1717	436,948	819,817	1,256,765
1926	452,235	1,659,743	2,111,978

TABLE C-9

POLLEN EMISSION STATISTICS

Date	M	S (hr)	A ($gr\ m^{-2}$)	E_{max} ($gr\ m^{-2}\ sec^{-1}$)
August 27	0900	0.5	1.4×10^{6}	3.1×10^{2}
August 28	0820	1.5	1.4×10^{6}	1.0×10^{2}
August 29	1040	1.5	2.0×10^{6}	1.5×10^{2}
August 30	1030	1.25	2.5×10^{6}	2.2×10^{2}

TABLE C-10

FRACTIONAL POLLEN CONCENTRATION
OVER A SOURCE FREE AREA AS A FUNCTION OF TIME

Time (days)	$\chi(t)/\chi(o)$
0	1.00
1	0.55
2	0.30
3	0.17
4	0.09
5	0.05