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MONTHLY BULLETIN

of

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

AUGUST 1921

47516

J. A. BROWN, DIRECTOR

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National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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LASON
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Beltsville, MD 20704-1387
March 28, 2002

AUGUST 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	756.2	756.2	756.5	756.3	30.0	22.1			
2	6.4	6.1	6.1	6.2	30.9	22.8			
3	5.0	5.3	5.0	5.1	31.5	25.1			
4	5.3	5.3	4.9	5.2	31.1	25.2			
5	4.4	4.2	3.9	4.2	31.5	25.1	—	—	—
6	3.7	3.5	3.4	3.5	31.1	23.8			
7	3.2	3.4	3.5	3.4	31.0	23.3			
8	3.5	3.9	4.3	3.9	31.0	23.4			
9	4.9	4.9	5.2	5.0	31.1	23.8			
10	5.7	5.5	4.7	5.3	31.0	24.3	—	—	—
11	5.2	5.0	4.2	4.8	31.4	24.3			
12	5.0	4.1	3.9	4.3	33.2	24.9			
13	4.8	4.5	3.9	4.4	31.6	24.9			
14	4.9	4.9	4.6	4.8	31.8	23.8			
15	5.3	5.7	6.0	5.7	31.1	23.3	—	—	1.27
16	7.3	7.3	7.6	7.4	31.2	24.1			
17	8.5	8.4	8.3	8.4	30.5	24.6			
18	7.8	6.7	6.8	7.1	30.5	24.4			
19	4.9	4.1	3.4	4.1	30.9	22.8			
20	2.9	2.4	2.4	2.6	31.3	22.8	—	—	—
21	3.6	4.2	5.1	4.3	31.2	24.3			
22	6.1	6.8	7.3	6.7	30.7	23.3			
23	7.9	7.9	7.3	7.7	31.1	22.9			
24	5.9	5.3	4.9	5.4	31.9	25.0			
25	5.2	5.5	6.1	5.6	32.4	23.9	—	—	—
26	6.0	6.2	6.3	6.2	31.1	23.9			
27	6.4	6.5	6.7	6.5	31.2	27.3			
28	7.2	6.7	6.4	6.8	32.1	26.0			
29	7.7	7.0	6.4	7.0	32.5	25.7			
30	4.7	4.4	3.9	4.3	32.6	24.6			
31	4.8	4.5	4.7	4.7	32.1	23.4	—	—	—
	755.49	755.43	755.26	755.38	31.38	24.17			1.27

BAROMETER

Maximum	758.5	on 17th
Minimum	752.4	on 20th

THERMOMETER

Maximum	33.2	on 12th
Minimum	22.1	on 1st
Minimum on grass		on

RAINFALL

Maximum	1.27 mm.	on 15th

Number of days with rain 1 thunderstorms 0 fog 0 gale 0

AUGUST 1921

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	26.5	29.4	28.2	28.0	22.8	23.3	23.3	17.7	16.7	17.5	17.3	67	55	61	61
2	28.4	28.4	26.7	26.7	22.9	24.1	22.9	16.6	18.7	17.8	17.3	58	65	68	64
3	27.7	31.1	26.7	26.7	23.4	25.2	23.8	17.9	18.9	19.5	18.8	64	56	75	65
4	28.2	31.1	26.6	26.6	23.3	25.5	23.5	17.4	19.6	19.0	18.7	61	58	73	64
5	28.3	31.0	26.8	26.8	24.4	26.0	24.3	19.4	20.7	20.5	20.2	68	62	78	69
6	28.2	30.8	26.7	28.7	24.6	20.0	24.0	19.8	20.8	19.9	20.2	70	62	75	69
7	28.6	30.6	26.7	28.6	24.0	25.9	24.1	18.4	20.9	20.0	19.8	63	64	77	68
8	27.8	30.3	26.8	28.3	23.8	25.2	24.2	18.6	19.5	20.3	19.5	67	60	77	68
9	27.7	30.7	27.2	28.5	24.4	25.8	24.9	20.0	20.5	21.3	20.6	72	62	79	71
10	27.7	30.5	27.7	28.6	24.9	25.6	25.0	21.0	20.2	21.2	20.8	76	61	77	71
11	28.8	31.3	28.2	29.4	25.6	26.4	25.6	21.4	21.3	21.9	21.5	73	62	77	71
12	28.7	30.0	28.3	29.0	26.0	26.0	25.7	22.5	21.5	22.0	22.0	77	67	77	74
13	28.2	31.1	28.1	29.1	24.0	25.2	25.7	18.7	19.0	22.4	20.0	66	56	80	67
14	28.9	31.4	28.0	29.4	24.6	24.9	25.2	19.3	18.3	21.4	19.7	65	53	76	65
15	25.7	29.6	27.1	27.5	22.5	23.8	22.9	17.8	17.6	17.4	17.6	72	57	66	65
16	28.3	30.5	26.8	28.5	23.7	24.7	23.4	18.0	18.4	18.7	18.4	62	56	71	63
17	27.7	29.4	26.8	28.0	23.8	23.4	23.6	18.7	16.9	18.6	18.1	67	55	69	64
18	27.2	29.9	26.6	27.9	22.6	23.6	22.1	16.9	16.8	16.4	16.7	63	53	62	59
19	28.3	30.8	27.3	28.8	22.7	23.6	22.9	16.6	16.5	17.8	17.0	60	50	68	59
20	27.7	30.5	26.6	28.3	23.3	23.7	24.4	17.4	16.5	20.2	18.0	60	49	76	62
21	26.8	30.9	26.8	28.2	23.4	25.4	24.2	18.9	19.6	20.2	19.5	71	58	77	69
22	27.2	30.4	26.8	28.1	24.2	25.4	24.0	19.9	19.9	19.9	19.9	74	61	76	70
23	26.6	30.7	26.7	28.0	23.3	25.0	24.0	18.5	18.9	19.9	19.1	71	57	76	68
24	27.8	30.7	27.2	28.6	24.4	26.0	24.3	19.8	20.9	20.1	20.3	72	63	76	70
25	27.7	31.4	27.2	28.8	24.9	25.9	24.7	21.0	20.2	20.9	20.7	75	58	78	70
26	28.2	30.1	27.7	29.0	24.3	25.4	24.6	19.3	20.2	20.4	20.0	68	63	79	68
27	29.4	31.0	27.4	29.3	23.4	20.1	24.9	17.0	20.8	21.2	19.7	56	63	78	66
28	29.5	31.6	29.0	30.0	23.8	26.2	24.6	17.5	20.5	19.3	19.1	57	58	64	60
29	29.2	31.6	27.7	29.5	26.6	27.2	25.7	23.3	22.7	22.8	22.9	76	66	83	75
30	28.5	32.5	27.3	29.4	24.9	26.9	24.3	20.2	21.4	20.0	20.5	70	57	74	67
31	27.6	31.4	27.0	28.7	24.3	26.5	25.1	19.9	21.4	22.8	21.1	73	62	83	73
	27.97	30.67	27.25	28.42				19.01	19.54	20.04	19.52	67.5	59.0	74.2	66.9

Height of Barometer above sea level: 33.7 meters.

" " Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Height of Rain Guage: above ground 0.56 m.; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to "Summer Time" of Standard Time of 30th E. Meridian.

AUGUST 1921

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	1cu	0	0	0.3	0	1sw	0	137.9	calm	
2	3cu	0	0	1.0	1sw	2sw	0	183.4	,,	
3	0	0	0	0.0	3sw	3sw	0	346.0	v. Slight	
4	0	0	0	0.0	3sw	3sw	1sw	381.7	,,	
5	0	0	0	0.0	2sw	2sw	1sw	381.1	,,	
6	0	0	0	0.0	0	2sw	1sw	298.2	calm	
7	0	0	0	0.0	2sw	2sw	0	225.6	,,	
8	0	7cu	8cu	5.0	3sw	2sw	0	258.3	v. Slight	
9	1cu	2cu	9cu n	4.0	0	1sw	0	151.3	calm	
10	4cu	0	0	1.3	0	0	0	85.6	,,	
11	0	0	0	0.0	0	0	0	128.9	,,	
12	5cu	6cu	0	3.7	0	0	0	120.7	,,	
13	6cu n	4cu	7cu n	5.7	2sw	1sw	0	176.2	,,	
14	4cu	0	9cu n	4.3	1sw	1sw	0	122.2	,,	
15	9cu n	10cu n	10cu n	9.7	1sw	1sw	0	267.8	,,	
16	8cu n	6cu n	2cu ci	5.3	0	2sw	0	146.9	v. Slight	
17	2cu	4cu	2cu ci	2.7	0	1sw	0	113.6	,,	
18	0	0	0	0.0	1sw	0	0	109.3	,,	
19	2cu	0	3cu	1.7	1sw	1sw	0	243.8	,,	
20	0	0	0	0.0	0	0	0	194.7	calm	
21	2cu	0	3cu	1.7	0	1sw	0	165.9	,,	
22	0	0	0	0.0	0	1sw	0	107.8	,,	
23	0	0	0	0.0	0	1sw	0	104.6	,,	
24	0	0	0	0.0	2sw	2sw	0	254.5	,,	
25	1cu	0	0	0.3	0	1sw	0	151.5	,,	
26	0	0	0	0.0	0	2n	1n	73.7	,,	
27	0	0	0	0.0	2n	1sw	0	376.0	,,	
28	0	0	0	0.0	0	0	0	258.8	,,	
29	0	0	0	0.0	0	1sw	0	147.5	,,	
30	0	0	0	0.0	0	0	0	80.4	,,	
31	0	0	0	0.0	1sw	2sw	0	113.8	,,	
								190.5		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	0	0	0	0	13	0	0	17
2:30	1	0	0	0	0	23	0	0	7
8:30	1	0	0	0	0	3	0	0	27
Totals	3	0	0	0	0	39	0	0	51

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

SEPTEMBER 1921

J. A. BROWN, DIRECTOR

M06.1/569
A512MO

PRINTED AT THE UNIVERSITY PRESS

SEPTEMBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	755.4	755.8	755.8	755.7	30.5	23.4			
2	6.2	5.7	6.0	6.0	29.7	23.9			
3	6.3	6.2	6.2	6.2	31.3	20.7			
4	6.2	5.5	5.9	5.9	31.2	24.9			
5	5.3	5.1	5.2	5.2	30.5	24.4			
6	5.3	5.3	6.1	5.0	30.9	24.0			
7	6.8	6.8	7.2	6.9	31.1	23.4			
8	7.4	7.6	7.0	7.3	30.6	23.3			
9	6.5	5.7	5.6	5.9	30.9	23.4			
10	5.5	5.2	6.7	5.8	30.7	24.4			
11	7.6	8.7	9.7	8.7	29.4	22.8			0.76
12	60.1	59.5	59.3	9.6	23.2	23.8			
13	59.4	8.9	9.7	9.3	28.3	22.4			
14	9.5	9.0	9.3	9.3	28.7	21.5			
15	9.7	9.8	9.1	9.5	29.2	22.2			
16	9.7	9.6	9.5	9.6	29.9	23.3			
17	9.6	8.7	8.6	9.0	30.5	24.1			
18	9.7	9.0	8.2	9.0	29.2	22.1			
19	7.3	6.2	6.3	6.6	29.1	22.2			
20	6.5	6.5	7.4	6.8	29.2	21.6			
21	7.8	7.5	7.9	7.7	29.2	22.3			
22	7.9	8.2	8.7	8.3	28.8	22.7			
23	9.5	60.0	60.1	9.9	27.7	20.5			3.30
24	62.3	2.3	2.2	62.3	26.6	21.5			
25	2.4	1.4	1.1	1.6	26.0	19.8			
26	0.8	59.2	59.2	59.7	23.9	20.6			
27	59.3	9.2	9.2	9.2	28.0	21.8			
28	60.1	59.1	59.8	9.7	27.6	20.2			
29	61.0	60.4	60.7	60.7	27.7	21.2			
30	0.2	59.5	59.2	59.6	23.3	23.2			
31									
	758.4	758.6	758.2	758.4	29.2	22.7			4.06

BAROMETER

Maximum	762.4	on 25th
Minimum	755.1	on 5th

THERMOMETER

Maximum	31.3	on 3rd
Minimum	19.8	on 25th
Minimum on grass		on

RAINFALL

Maximum 3.30 mm. on 23rd

Number of days with rain 2 thunderstorms 0 fog 0 gale 0

SEPTEMBER 1921

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	26.8	29.9	26.9	27.9	24.3	25.0	25.2	20.5	19.5	22.2	20.7	78.6	61	85	75
2	27.3	28.9	27.6	27.9	23.9	25.0	25.0	19.2	20.1	21.3	20.2	71	68	78	72
3	29.2	30.6	27.7	29.2	24.4	25.4	25.1	18.9	19.8	21.4	20.0	62	60	78	67
4	28.3	30.8	27.8	29.0	23.6	25.0	24.9	18.0	18.8	20.9	19.2	62	56	75	64
5	28.6	29.3	25.7	28.2	23.6	24.4	23.6	17.8	18.7	19.0	18.5	61	62	73	65
6	27.7	30.8	26.5	28.3	23.8	25.9	24.0	18.7	19.4	20.0	19.4	67	59	77	68
7	27.0	29.9	25.4	27.8	24.5	25.5	23.3	24.5	25.5	23.3	24.4	79	65	73	72
8	27.6	30.4	26.1	28.0	23.9	25.2	23.8	18.9	19.6	20.1	19.5	69	60	80	70
9	27.2	30.2	26.6	28.0	23.7	24.4	22.3	18.9	18.2	16.7	17.9	70	57	63	63
10	25.8	30.5	26.4	27.6	20.2	22.9	21.1	13.8	15.5	15.0	14.8	56	47	60	54
11	27.4	27.6	24.7	25.2	21.2	20.4	18.7	14.5	13.2	12.2	13.3	53	48	53	51
12	25.9	27.8	26.1	26.6	18.8	18.9	18.7	11.8	11.2	11.7	11.6	47	40	46	44
13	26.5	27.8	25.1	26.5	20.1	20.7	19.3	13.3	13.5	13.0	13.3	52	49	54	52
14	26.1	28.1	25.7	26.6	19.9	20.7	21.4	13.2	13.3	15.7	14.1	52	47	62	54
15	26.2	28.8	26.1	27.0	21.8	22.7	21.5	16.1	16.1	15.8	16.0	63	55	62	60
16	27.4	29.4	26.7	27.8	21.5	23.7	22.8	14.9	17.3	17.5	16.6	54	57	67	59
17	27.4	30.1	26.8	28.1	23.0	23.0	22.9	17.4	16.8	17.7	17.3	64	53	67	61
18	26.7	28.8	25.4	27.0	22.4	23.9	22.7	16.9	18.1	18.3	17.8	65	60	76	67
19	25.2	28.6	24.9	26.2	22.3	23.2	22.2	17.8	17.0	16.0	17.2	74	57	75	69
20	25.4	28.3	25.1	26.3	21.5	22.7	22.6	16.2	16.3	18.3	16.9	67	56	77	67
21	26.7	28.1	25.4	26.9	21.5	22.3	22.0	15.3	15.5	17.0	15.9	58	53	70	60
22	25.6	28.4	24.7	26.2	21.0	21.8	20.1	15.2	14.9	14.3	14.8	62	52	62	59
23	24.9	27.4	23.0	25.1	19.3	19.6	18.5	13.1	12.2	12.9	12.7	56	44	61	54
24	22.5	25.1	22.4	23.3	18.3	18.8	17.8	12.9	12.2	12.3	12.5	63	51	61	58
25	24.4	25.7	24.4	24.8	18.2	19.2	18.4	11.7	12.5	12.0	12.1	51	51	52	51
26	25.1	26.6	24.1	25.3	19.5	21.0	19.0	13.2	14.6	13.0	13.6	56	55	58	56
27	24.3	27.2	24.3	25.3	20.4	21.2	20.4	15.0	14.5	14.5	14.7	67	53	67	62
28	23.2	27.1	23.3	24.5	19.3	21.7	20.6	13.9	15.5	16.0	15.1	65	57	75	66
29	24.8	27.8	24.6	25.7	21.9	23.4	21.5	17.4	18.0	16.7	17.4	75	65	73	71
30	26.6	27.8	26.7	27.0	22.7	22.5	23.8	17.5	16.3	19.5	17.8	67	59	74	67
31															
	26.3	28.6	25.6	26.8	21.7	22.7	21.8	16.2	16.8	16.8	16.6	62.9	55.2	67.8	62.0

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m. ; Max. 1.75 m. ; Min. 1.70 m.

Height of Rain Guage : above ground 0.56 m. ; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to "Summer Time" of Standard Time of 30th E. Meridian.

SEPTEMBER 1921

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	2cu	1cu	0	1.0	0	3sw	0	299.4	calm	
2	0	0	9sn	3.0	1ne	3ne	3ne	334.3	v. Slight	
3	6cu	9cu n	8sn	7.7	0	1n	0	149.0	calm	
4	7cu n	7cu n	3cu	5.7	0	0	0	200.8	,,	
5	3cu s	10cu n	0	4.3	0	0	0	139.0	,,	
6	0	1cu	0	0.3	0	2sw	0	122.9	,,	
7	0	3cu	0	1.0	0	2sw	0	140.2	,,	
8	0	0	2cu	0.7	0	0	0	155.6	,,	
9	2cu	0	6cu n	2.7	2sw	2sw	1sw	381.9	,,	
10	7cu n	0	6cu	4.3	2sw	2sw	1sw	216.4	v. Slight	Few drops a.m.
11	4cu n	0	0	1.3	1sw	3n	3n	322.7	slight	& p.m.
12	0	0	0	0.0	1ne	2ne	2ne	347.7	v. Slight	
13	0	0	2 ci	0.7	2ne	1ne	0	262.9	,,	
14	0	0	0	0.0	0	1n	1ne	203.7	calm	
15	0	0	0	0.0	0	2ne	0	138.9	,,	
16	0	0	0	0.0	0	1n	0	273.3	,,	
17	0	0	0	0.0	0	1ne	0	198.4	,,	
18	0	0	0	0.0	0	1nw	0	114.9	,,	
19	2cu	0	1cu	1.0	0	1sw	0	118.5	,,	
20	0	3cu	0	1.0	0	2sw	0	128.7	,,	
21	7cu ci	1cu	2n	3.3	0	1w	0	80.7	,,	
22	1cu	1cu	8n	3.3	2sw	3sw	3sw	276.7	v. Slight	
23	9cu n	3cu	10cu n	7.3	3sw	2sw	2sw	433.7	,,	
24	9cu n	5cu	0	4.7	1sw	1sw	1sw	338.0	,,	Few drops a.m.
25	0	0	0	0.0	1ne	3ne	3ne	252.0	,,	
26	0	0	0	0.0	1ne	1ne	0	489.1	calm	
27	1cu	4cu	5cu	3.3	0	1nw	0	188.2	,,	
28	0	0	0	0.0	0	1sw	0	191.4	,,	
29	0	0	0	0.0	0	1n	0	133.0	,,	
30	0	0	0	0.0	0	1ne	1ne	242.5	v. Slight	
31										
				1.89				229.4		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	5	0	0	0	6	0	0	19
2:30	5	8	0	0	0	11	1	2	3
8:30	1	5	0	0	0	5	0	0	19
Totals	6	18	0	0	0	22	1	2	41

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER 1921

J. A. BROWN, DIRECTOR

PRINTED AT THE UNIVERSITY PRESS

OCTOBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	759.7	759.0	759.6	759.4	27.9	24.6			
2	61.4	61.1	62.2	61.6	29.0	23.2			
3	1.8	1.2	1.6	1.5	28.0	22.3			
4	1.8	1.3	1.7	1.6	27.2	22.7			
5	1.8	1.4	1.6	1.6	26.6	20.0	—	—	—
6	1.6	0.1	59.9	0.5	26.6	21.6			
7	59.9	59.0	9.4	59.4	27.2	22.4			
8	9.5	8.9	9.5	9.3	27.2	21.2			
9	60.1	9.4	9.8	9.8	26.8	21.1			
10	60.0	8.7	8.5	9.1	26.6	20.4	—	—	—
11	58.3	8.1	8.7	8.4	26.2	20.8			
12	60.7	61.6	63.3	61.9	26.1	20.4			
13	5.3	4.5	4.5	4.8	25.4	19.1			
14	3.8	2.6	2.6	3.0	20.3	20.4			
15	2.4	1.5	1.9	1.9	25.2	19.4	—	—	—
16	1.4	0.6	0.9	1.0	25.7	18.7			
17	1.7	1.6	2.3	1.9	24.9	18.2			2.79
18	3.2	2.6	3.4	3.1	25.4	18.3			
19	4.4	3.4	3.4	3.7	24.3	17.7			
20	2.9	1.8	1.6	2.1	27.8	21.5	—	—	—
21	2.2	1.3	1.8	1.8	26.4	21.2			
22	1.9	1.4	2.3	1.9	25.6	19.7			
23	3.2	2.8	3.9	3.3	24.4	20.4			
24	5.3	5.4	6.1	5.6	24.1	18.3			
25	6.1	5.0	4.8	5.3	24.3	18.4	—	—	—
26	3.8	2.1	2.7	2.9	25.0	21.1			
27	2.8	2.2	3.2	2.7	24.9	19.1			
28	3.9	3.0	3.8	3.6	24.9	18.9			
29	3.4	1.8	1.9	2.4	24.6	18.7			
30	59.1	58.0	58.6	58.6	27.9	18.6			
31	9.9	60.1	61.0	60.3	25.8	20.8	—	—	—
	762.4	761.3	761.8	761.0	26.1	20.3			2.79

BAROMETER

Maximum	766.1	on 24th & 25th
Minimum	758.0	on 30th

THERMOMETER

Maximum	29.0	on 2nd
Minimum	17.7	on 19th
Minimum on grass		on

RAINFALL

Maximum 2.79 mm. on 17th

Number of days with rain 1 thunderstorms 0 fog 0 gale 0

OCTOBER 1921

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	26.9	27.9	26.6	27.1	23.1	24.8	23.7	18.0	18.1	19.5	18.5	68	74	76	73
2	26.9	28.7	24.2	26.3	22.9	23.9	21.5	17.7	18.0	17.1	17.6	67	60	76	68
3	26.6	27.3	23.9	25.9	22.1	21.7	21.2	16.4	15.3	16.6	16.1	62	56	75	64
4	24.3	26.6	23.3	24.7	19.8	20.4	18.8	14.1	13.7	13.2	13.7	63	53	61	62
5	24.2	26.3	23.9	24.8	18.8	19.9	17.9	12.6	13.2	11.7	12.5	55	52	53	53
6	24.1	25.5	25.4	25.3	19.0	20.1	19.9	13.0	13.3	13.7	13.3	58	52	57	56
7	25.6	27.0	23.1	25.2	20.2	20.3	18.3	14.0	13.4	15.1	14.2	57	50	60	56
8	25.4	26.6	23.3	25.1	20.3	20.5	18.4	14.2	13.7	12.7	13.5	59	52	59	57
9	24.9	26.6	23.9	25.1	20.3	21.3	19.9	14.5	15.0	14.6	14.7	61	57	66	61
10	24.9	26.1	23.9	25.0	19.9	20.4	19.2	13.9	14.0	13.4	13.8	60	55	60	58
11	24.8	26.0	23.6	24.8	19.7	19.3	18.5	13.5	12.5	12.6	12.9	59	50	58	56
12	23.6	25.6	22.7	24.0	19.3	18.0	16.7	13.8	11.0	10.6	11.8	63	45	51	53
13	23.4	24.9	24.0	24.1	16.4	16.8	16.7	10.1	9.8	10.1	10.0	47	42	45	45
14	24.8	25.5	23.9	24.7	17.8	18.2	16.6	10.2	11.6	10.0	10.6	44	48	46	46
15	23.0	24.7	20.6	22.8	16.8	17.3	15.6	10.7	10.5	10.2	10.5	51	45	56	51
16	24.1	25.2	22.2	23.8	16.5	19.0	17.7	9.8	12.4	12.2	11.5	44	53	61	53
17	21.9	24.5	21.0	22.5	17.3	18.5	17.8	11.8	12.1	13.0	12.3	60	53	70	61
18	24.2	23.8	21.7	23.2	15.6	17.1	15.7	8.9	10.4	9.9	9.7	40	46	51	46
19	21.7	23.9	23.5	23.0	15.4	17.0	17.7	9.6	10.5	11.6	10.6	49	48	54	50
20	24.6	26.8	22.3	24.6	18.3	19.8	18.7	11.7	12.7	13.6	12.7	51	48	67	55
21	24.2	25.9	22.0	24.0	19.2	20.2	18.3	13.2	13.7	13.2	13.4	58	55	67	60
22	23.4	25.2	22.1	23.6	18.4	19.7	18.5	12.6	13.5	13.4	13.2	59	57	67	61
23	23.3	23.2	20.9	22.5	18.9	18.3	17.6	13.3	12.5	12.7	12.8	62	60	69	64
24	22.1	23.3	20.6	22.0	16.4	17.2	16.8	10.6	11.1	11.8	11.2	53	52	65	57
25	22.1	23.9	23.3	23.1	16.6	18.4	20.4	10.7	12.3	15.7	12.9	54	56	74	61
26	23.9	24.4	22.3	23.5	19.2	20.7	19.6	13.4	15.4	14.9	14.6	60	68	74	67
27	23.1	24.6	20.7	22.8	18.8	19.8	17.6	13.3	13.8	12.8	13.3	63	60	71	65
28	23.4	24.3	20.6	22.7	16.6	18.4	17.6	10.2	12.1	12.8	11.7	48	53	70	57
29	22.6	24.3	22.4	23.1	16.7	19.1	19.9	10.7	13.0	15.5	13.1	52	47	78	62
30	26.9	27.2	23.3	25.8	17.3	19.8	16.1	9.7	12.5	9.7	10.6	36	46	45	42
31	25.1	24.9	22.0	24.0	19.2	21.1	19.1	12.8	15.7	14.4	14.3	54	67	73	65
	24.2	25.2	22.8	24.1	18.6	19.6	18.5	12.6	13.1	13.8	13.1	55.4	53.9	62.7	57.6

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m. ; Max. 1.75 m. ; Min. 1.70 m.

Height of Rain Guage : above ground 0.56 m. ; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

OCTOBER 1921

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	0	0	0	0.0	2ne	2ne	2n	423.8	v. Slight	
2	0	0	0	0.0	0	1nw	0	194.6	calm	
3	1cu	0	0	0.3	1nw	2nw	0	109.7	,,	
4	2cu n	3cu	2cu n	2 3	0	2sw	0	152.1	,,	
5	1s	1cu	3cu n	1.7	1sw	1nw	0	146.9	,,	
6	0	0	0	0.0	0	2ne	3ne	237.7	v. Slight	
7	0	0	0	0.0	0	1nw	0	316.7	calm	
8	0	0	0	0.0	0	0	0	111.0	,,	
9	0	0	0	0.0	0	1n	0	141.6	,,	
10	0	0	4cu	1.3	1e	0	0	118.8	,,	
11	8cu n	3cu	3cu	4.7	1sw	1sw	0	185.5	,,	Lightning in n. at night
12	3cu n	0	0	1.0	0	2n	3n	193.1	v. Slight	
13	0	0	0	0.0	0	1ne	3ne	241.9	,,	
14	0	0	2cu	0.7	0	3n	0	256.5	,,	
15	0	0	0	0.0	1ne	0	0	193.1	calm	
16	3cu	2cu	5cu	3.3	0	2nw	0	330.2	,,	
17	7cu n	3cu	3cu n	4.3	0	1nw	0	176.5	,,	
18	3cu	0	0	1.0	1ne	2ne	2ne	101.6	v. Slight	
19	0	0	7cu	2.3	0	1n	2ne	394.5	calm	
20	8ci	2cu ci	0	3.3	0	0	0	291.8	,,	
21	0	2cu	1cu	1.0	2sw	2sw	0	273.1	,,	
22	0	1cu	0	0.3	0	1w	0	260.2	,,	
23	7cu n	9cu n	6n	7.3	0	1w	0	191.8	,,	Few drops
24	0	1cu	0	0.3	0	1n	0	154.8	,,	
25	3s	5s	0	2.7	0	3ne	3ne	203.2	slight	
26	4s	8s	0	4.0	3n	2n	0	583.1	v. Slight	
27	0	0	0	0.0	0	1sw	0	137.0	calm	
28	0	0	0	0.0	0	1nw	0	50.9	,,	
29	7s	0	0	2.3	0	0	1ne	122.5	,,	
30	8s	1s	0	3.0	0	0	0	129.5	,,	
31	10s	10s ci	4n	8.0	1w	1w	0	124.1	,,	
				1.78				211.22		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	3	1	0	0	3	1	1	21
2:30	6	5	0	0	0	4	3	7	6
8:30	2	6	0	0	0	0	0	0	23
Totals	9	14	1	0	0	7	4	8	50

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

NOVEMBER 1921

J. A. BROWN, DIRECTOR

PRINTED AT THE UNIVERSITY PRESS

NOVEMBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	760.3	759.8	761.3	760.5	23.0	19.3			7.49
2	3.8	63.0	3.2	3.3	19.3	15.0			
3	2.8	3.1	2.5	2.6	20.9	14.8			1.39
4	2.8	1.8	2.2	2.3	23.7	15.7			
5	2.6	1.6	2.6	2.3	23.9	19.4			
6	4.1	4.8	5.1	4.7	23.8	19.0			
7	3.3	5.5	6.3	5.0	23.9	18.3			
8	4.0	3.0	3.3	3.4	22.6	17.6			
9	3.6	2.3	2.7	2.9	22.8	17.2			
10	3.3	2.9	3.1	3.1	24.9	19.0			
11	4.1	4.0	5.5	4.5	25.9	21.5			
12	6.6	5.7	5.7	6.0	22.7	17.9			
13	5.8	4.8	5.1	5.2	22.7	16.7			
14	6.1	5.5	6.3	6.0	22.1	17.2			
15	2.2	6.0	6.4	6.5	22.1	16.7			
16	6.0	4.6	4.2	4.9	22.4	16.5			
17	2.5	1.5	1.3	1.8	23.7	17.7			
18	0.6	58.6	59.1	59.4	24.1	18.8			
19	58.4	7.9	8.7	8.3	22.3	17.9			
20	60.2	60.2	60.6	60.3	21.2	13.9			2.54
21	1.9	1.6	1.9	1.8	21.3	13.9			
22	2.2	0.9	1.7	1.6	22.1	16.5			
23	1.4	0.3	1.3	1.0	22.8	16.6			
24	59.9	59.8	0.7	0.1	25.4	18.9			
25	62.0	62.5	4.5	3.0	20.5	13.3			16.37
26	6.3	5.1	5.1	5.5	18.8	12.9			5.83
27	4.4	3.4	4.3	4.0	18.6	11.3			20.05
28	4.6	4.0	4.5	4.4	19.9	13.6			0.37
29	6.1	5.4	5.5	5.7	18.9	14.6			
30	4.0	2.0	0.5	2.2	20.6	14.4			
31									
	763.4	762.7	763.2	763.1	22.2	16.5			54.05

BAROMETER

Maximum	767.2	on 15th
Minimum	757.9	on 19th

THERMOMETER

Maximum	25.9	on 11th
Minimum	11.3	on 27th
Minimum on grass		on

RAINFALL

Maximum 20.06 mm. on 27th

Number of days with rain 7 thunderstorms 0 fog 0 gale 1

NOVEMBER 1921

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	21.5	20.5	17.7	19.9	16.6	13.7	11.7	11.1	8.3	7.3	8.9	58	46	48	51
2	16.3	18.8	15.6	16.9	11.0	12.4	11.1	7.2	7.9	7.6	7.0	52	48	58	53
3	16.2	20.0	17.4	17.9	14.6	14.6	12.3	11.4	9.4	8.0	9.0	83	53	54	63
4	19.8	22.6	22.1	21.5	12.4	14.3	15.1	7.3	8.1	9.0	8.1	42	40	46	43
5	23.2	23.3	21.6	22.7	16.6	16.7	15.3	10.3	10.4	10.0	10.2	49	47	51	49
6	22.8	21.6	18.4	20.9	18.3	17.1	14.9	12.1	11.7	10.5	11.5	62	60	67	63
7	21.5	21.3	19.4	20.7	17.0	16.4	15.9	11.6	11.0	11.3	11.3	60	58	68	63
8	21.3	22.1	19.3	20.9	17.5	17.6	16.6	14.9	14.7	14.8	14.8	65	61	73	68
9	21.0	22.6	20.7	21.4	16.8	18.3	17.8	11.5	12.8	13.1	12.5	62	63	72	68
10	23.6	23.8	22.4	23.3	16.6	21.2	17.9	10.1	16.7	12.3	13.0	46	70	61	61
11	24.1	25.8	20.7	23.5	18.3	18.3	19.9	12.0	11.2	16.6	13.3	54	46	91	64
12	21.8	22.1	20.5	21.5	18.7	18.4	17.8	13.9	13.3	13.2	13.5	71	67	73	70
13	21.1	21.6	18.4	20.4	16.7	17.1	14.9	11.4	11.7	10.5	11.2	61	60	67	63
14	20.4	21.3	19.4	20.4	16.2	16.4	15.9	11.1	11.0	11.3	11.1	62	58	67	63
15	20.3	21.8	18.9	20.3	11.2	16.6	16.1	6.2	10.9	11.8	9.6	36	57	73	55
16	20.4	22.2	19.6	20.7	13.2	15.7	16.1	7.8	9.6	10.6	9.3	44	49	62	52
17	21.6	22.2	21.9	21.9	13.2	15.7	15.4	9.5	10.4	11.5	10.5	49	52	58	53
18	21.7	23.9	21.8	22.5	15.3	16.3	17.1	7.0	8.9	11.5	9.1	36	40	59	45
19	19.4	21.3	18.2	19.6	12.8	15.6	17.1	10.8	13.2	9.2	11.1	64	44	53	52
20	19.3	20.9	18.2	19.5	15.6	18.1	13.8	10.0	8.2	8.3	8.8	60	63	70	61
21	19.5	19.6	16.9	18.7	14.9	13.8	12.9	8.3	10.7	10.0	9.7	49	51	59	58
22	19.6	21.8	20.9	20.8	13.4	15.6	13.9	10.7	10.2	10.4	10.4	63	58	42	50
23	21.4	22.7	21.0	21.7	15.6	17.7	13.4	9.2	11.9	7.7	9.0	49	53	68	53
24	24.4	22.5	19.4	22.1	14.9	16.8	16.1	8.6	10.8	11.5	10.3	38	60	76	64
25	17.2	18.4	15.0	16.9	15.4	14.2	12.7	7.9	9.6	9.6	9.0	55	70	59	64
26	17.1	18.8	15.4	17.1	12.2	14.1	13.1	9.9	9.3	9.8	9.7	89	58	75	67
27	14.3	16.1	20.7	17.0	13.8	14.4	13.2	9.4	11.1	10.2	10.2	78	82	80	80
28	16.3	19.4	15.8	17.2	13.5	14.0	12.9	9.8	9.0	9.5	9.4	72	53	71	65
29	17.7	18.4	18.1	18.1	14.0	14.3	14.4	9.7	9.8	10.1	9.9	65	61	65	64
30	18.2	19.9	15.2	17.8	13.4	15.0	13.6	8.9	9.9	8.0	8.9	57	57	44	53
31															
	20.0	21.2	19.0	20.1	14.9	16.0	14.9	10.0	10.7	10.5	10.4	57.0	56.4	63.7	59.3

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m. ; Max. 1.75 m. ; Min. 1.70 m.

Height of Rain Guage : above ground 0.56 m. ; above sea level m.

Gravity Correction −0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

NOVEMBER 1921

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	7cu n	8cu n	0	5.0	4sw	3sw	3nw	320.9	rough	
2	4cu n	3cu	2n	3.0	Inw	Inw	0	768.7	v. Slight	
3	9n	10cu n	2s	7.0	Ine	0	0	127.9	calm	
4	10s	10s	0	6.7	0	2ne	2ne	68.4	v. Slight	
5	0	10n s	0	3.3	In	Ine	0	259.4	calm	
6	8cu s	2cu s	2cu	4.0	Isw	2nw	0	160.8	,,	
7	10n s	4cu	0	4.7	I w	Inw	0	129.0	,,	Few drops
8	2cu	0	0	0.7	0	Inw	0	98.7	,,	
9	0	0	0	0.0	0	Ine	0	99.8	,,	
10	0	8cu ci	3cu	3.7	0	0	0	174.1	,,	
11	0	2s	6cu	2.7	0	Isw	0	80.7	,,	
12	Icu	0	0	0.3	0	Isw	0	203.1	,,	
13	5cu	6cu	Icu	4.0	Isw	2sw	0	205.3	,,	
14	0	Icu	0	0.3	0	2n	0	117.8	,,	
15	4s	4s	Is	3.0	0	Ine	0	202.1	,,	
16	Icu	0	0	0.3	0	2ne	0	135.3	v. Slight	
17	10s	10n s	10n s	10	0	0	2ne	133.2	calm	
18	Ici	6cu n	10n	5.7	0	Ine	0	195.2	,,	
19	7cu n	10n	9n ci	8.7	0	Ine	Ine	159.9	,,	Few drops
20	0	Is	0	0.3	0	Ine	Ine	191.0	v. Slight	
21	9cu s	10sw	0	6.3	0	0	0	236.0	calm	
22	10n	10cu n	0	6.7	2ne	0	0	80.7	,,	Lightning in
23	9s	2s ci	5n	5.3	0	In	0	145.8	v. Slight	nw. at night
24	3cu s	10n	10n	7.7	Ine	3sw	Isw	107.2	,,	Few drops &
25	10n	10n	10n	10	2sw	2sw	0	358.7	,,	gale at night
26	Icu	3cu	10n	4.7	0	Isw	Isw	293.4	,,	
27	10cu n	4cu n	5n	6.3	0	2ws	0	263.1	calm	
28	9cu n	4cu n	10n	7.7	0	Isw	Isw	277.9	v. Slight	
29	4cu n	0	0	1.3	0	In	2ne	161.4	,,	
30	3s	Is	0	1.3	0	0	Is	176.2	,,	
31										
				4.0				197.7		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	1	3	0	0	0	4	0	2	20
2:30	3	8	0	0	0	9	0	4	6
8:30	0	5	0	0	1	3	0	1	20
Totals	4	16	0	0	1	16	0	7	46

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

DECEMBER 1921

J. A. BROWN, DIRECTOR

LIBRARY
NOV 24 1922
Weather Bureau

PRINTED AT THE UNIVERSITY PRESS

DECEMBER 1921

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m.
	8:30	2:30	8:30	mean	Max.	Min.	Min. on grass		
1	757.7	757.5	758.8	758.0	23.9	17.8			9.90
2	60.0	8.9	8.8	9.2	18.3	13.7			19.30
3	3.5	64.3	65.4	64.4	17.9	12.4			0.75
4	6.6	5.1	5.7	4.8	18.8	13.0			
5	6.0	5.1	5.8	5.6	19.3	14.1			
6	5.3	4.6	4.9	4.9	19.4	13.9			
7	4.7	3.8	3.1	3.9	19.9	15.0			
8	1.4	59.0	59.3	59.9	21.2	13.9			4.05
9	59.3	6.5	4.7	6.8	20.7	15.1			34.53
10	2.4	3.9	6.4	4.2	17.5	12.2			59.93
11	7.8	7.1	6.8	7.2	18.3	12.6			
12	60.2	61.3	62.0	61.2	17.7	12.8			32.09
13	7.7	7.7	8.4	7.9	17.2	11.6			1.78
14	7.8	5.9	5.4	6.4	17.2	11.7			
15	2.4	1.0	1.0	1.5	18.2	13.3			
16	0.8	0.1	0.8	0.6	16.7	12.2			20.55
17	2.0	1.5	2.5	2.0	16.6	12.2			19.16
18	2.4	2.1	2.5	2.3	16.6	10.6			3.56
19	2.5	1.5	1.5	1.8	17.1	10.6			12.93
20	1.2	0.4	1.6	1.1	17.7	11.7			5.20
21	3.4	2.8	2.5	2.9	10.7	11.7			
22	57.9	56.2	56.8	57.0	17.9	12.7			1.90
23	9.7	9.4	61.4	60.2	16.7	12.2			14.99
24	63.9	63.5	4.5	4.0	16.1	11.8			5.33
25	5.8	4.7	5.2	5.2	16.6	12.4			0.63
26	4.6	2.4	1.4	2.8	16.6	11.7			
27	58.8	59.7	60.6	59.0	17.1	13.7			51.30
28	62.3	63.4	4.2	63.3	16.6	8.9			19.81
29	6.3	5.9	7.1	6.4	16.3	11.0			9.26
30	9.0	8.5	9.3	8.9	16.7	10.6			5.45
31	7.0	4.8	5.1	5.6	17.7	12.2			0.51
	762.5	761.9	762.4	762.3	17.9	12.6			332.9

BAROMETER

Maximum	769.3	on 30th
Minimum	752.4	on 10th

THERMOMETER

Maximum	23.9	on 1st
Minimum	8.9	on 28th
Minimum on grass		on

RAINFALL

Maximum 59.93 mm. on 10th

Number of days with rain 22 thunderstorms 0 fog 0 gale 1

DECEMBER 1921

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	21.5	21.1	16.6	19.7	16.1	16.2	12.9	10.4	10.8	9.0	10.1	54	58	63	58
2	14.9	14.1	15.6	14.9	13.3	12.8	12.8	10.3	10.2	9.4	10.0	81	85	71	79
3	16.4	17.8	15.0	16.4	13.2	12.6	12.1	9.4	8.2	8.8	8.8	68	54	70	64
4	16.7	18.2	16.1	17.0	12.1	13.6	12.7	8.0	9.3	9.3	8.9	57	68	67	64
5	16.6	18.8	16.2	17.2	10.9	13.8	12.4	7.0	9.0	8.6	8.2	50	56	63	56
6	17.1	19.0	16.7	17.6	11.2	13.9	11.6	7.0	9.0	7.6	7.9	48	55	54	52
7	17.6	19.1	16.2	17.6	10.9	14.8	13.3	6.8	10.0	9.7	8.8	46	62	71	60
8	18.2	20.1	19.0	19.1	15.6	14.4	15.6	11.5	8.9	11.0	10.5	75	49	07	64
9	15.4	14.4	12.2	14.0	14.1	13.3	12.0	14.1	13.3	12.0	13.1	85	88	97	90
10	14.4	16.8	12.9	14.3	12.8	14.0	12.2	10.0	10.2	9.9	10.0	82	72	91	82
11	17.1	17.7	16.6	17.1	11.3	12.2	11.7	7.6	7.8	7.7	7.7	53	52	54	53
12	13.8	14.0	13.2	13.7	11.8	12.3	11.6	9.1	9.7	9.2	9.3	77	81	81	80
13	14.8	15.7	14.1	14.9	12.5	12.8	11.7	9.4	9.3	8.8	9.2	74	70	74	73
14	15.1	17.1	14.4	15.5	11.6	12.8	11.5	8.2	8.6	8.5	8.4	64	60	70	65
15	16.6	17.8	14.4	16.3	21.1	12.8	12.4	8.6	8.3	9.6	8.8	65	55	78	66
16	14.6	14.3	12.8	13.9	12.4	12.8	11.7	9.4	10.1	9.5	9.7	77	83	87	82
17	12.8	14.3	12.4	13.2	11.5	12.4	11.1	9.3	9.5	9.0	9.3	84	79	84	82
18	12.8	14.1	13.3	13.4	10.3	14.0	10.7	8.5	8.8	8.2	8.5	77	74	71	74
19	15.4	16.6	12.7	14.9	11.6	12.2	11.7	8.1	8.2	9.5	8.0	63	58	88	70
20	14.3	17.4	12.6	14.8	12.8	13.2	10.7	10.0	9.0	8.5	9.2	82	61	78	74
21	14.1	16.5	12.9	15.5	10.4	11.0	10.5	7.0	7.6	8.2	7.6	63	54	74	64
22	16.9	16.8	12.1	15.3	11.4	14.4	10.2	7.3	10.7	7.8	8.6	50	75	71	65
23	13.5	13.8	14.2	13.8	12.7	13.3	12.6	10.4	11.0	9.9	10.4	90	94	82	87
24	14.6	15.9	13.9	14.8	12.3	13.5	12.2	9.4	10.1	9.5	9.7	76	75	80	77
25	14.9	16.1	13.3	14.8	13.3	13.6	11.6	10.4	10.0	9.2	9.9	82	74	80	79
26	14.4	16.4	14.6	15.1	11.4	12.5	11.2	8.4	8.6	8.2	8.4	69	63	66	66
27	15.6	10.7	11.8	12.7	11.8	9.8	10.1	8.3	8.6	8.3	8.4	63	89	80	81
28	13.8	12.2	12.4	12.8	11.1	11.2	10.1	8.3	9.3	7.9	8.5	71	87	74	77
29	12.8	12.9	13.0	12.9	11.5	11.7	10.7	9.3	9.4	8.4	9.0	85	85	75	82
30	14.2	16.2	13.4	14.6	11.1	12.9	11.1	8.1	9.2	8.6	8.6	68	67	74	70
31	14.2	17.2	13.9	15.1	9.9	11.5	11.3	7.0	7.3	8.5	7.6	59	59	72	60
	15.3	16.3	14.1	15.2	12.4	12.9	11.8	9.0	9.4	8.9	9.1	69.3	68.8	73.5	71.2

Height of Barometer above sea level : 33.7 meters.

" " Thermometers above ground :

Dry and wet 1.55 m. ; Max. 1.75 m. ; Min. 1.70 m.

Height of Rain Guage : above ground 0.56 m. ; above sea level m.

Gravity Correction —0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

DECEMBER 1921

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	8cu n	10n	10n	9.3	0	3sw	0	172.4	v. Slight	
2	10n	10n	7n	9.0	1sw	2s	3sw	233.3	,,	
3	7cu n	2cu	0	3.0	2ne	0	0	321.9	slight	
4	0	0	0	0.0	0	0	1s	355.6	calm	
5	5s	0	0	1.7	0	0	0	115.6	,,	
6	0	4s	0	1.3	0	0	0	124.5	,,	
7	0	8cu ci	1cu	3.0	0	0	1ne	93.3	,,	
8	10n	9cu n	10n	9.7	0	0	0	172.7	,,	
9	10n	10n	10n	10	0	0	1s	160.9	v. Slight	
10	10n	9cu n	10n	9.7	2sw	3sw	0	313.8	,,	
11	8cu s	7cu n	10cu n	8.3	2sw	3sw	2sw	327.5	slight	Gale at night
12	10n	10n	7cu	9.0	5sw	4sw	1sw	365.9	v. rough	
13	8cu n	8cu n	5cu	7.0	0	0	0	193.1	slight	
14	8cu s	9s	8s ci	8.3	0	0	0	313.3	v. Slight	
15	0	8cu s	0	2.7	0	1nw	0	24.1	calm	Few drops in p.m.
16	6cu	9cu n	10cu n	8.3	1s	1sw	0	160.4	,,	
17	10n	10cu n	10n	10	3sw	0	0	352.8	,,	
18	10n	10n	7n	9.0	0	1sw	1sw	220.5	,,	
19	9cu n	9cu n	10n	9.3	2sw	1w	1sw	323.0	,,	
20	9cu n	7cu n	6n	7.3	1sw	3sw	2n	187.4	,,	
21	0	1cu	0	0.3	0	1nw	0	110.7	,,	Few drops at night
22	10cu n	10n	4n	8.0	0	1ne	0	183.4	,,	
23	10n	10n	6n	8.7	0	0	1nw	162.2	,,	
24	1ci	1cu	4n	2.0	1sw	1sw	0	532.6	calm	
25	10n	4cu	0	4.7	0	0	0	250.9	,,	
26	0	0	10cu n	3.3	0	1ne	0	36.7	,,	
27	10n	10n	9n	9.7	2sw	0	2sw	298.7	slight	
28	10n	10n	0	6.7	1sw	1sw	0	455.9	rough	
29	10n	10n	0	6.7	0	1sw	0	113.6	v. Slight	
30	3cu	0	0	1.0	0	1sw	0	107.7	calm	
31	10cu ci	10cu n	10n s	10	0	0	0	43.7	v. Slight	
				6.35				220.3		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	1	0	0	1	10	0	0	19
2:30	0	2	0	0	1	11	1	2	14
8:30	1	1	0	0	2	6	0	1	20
Totals	1	4	0	0	4	27	1	3	53