MONTHLY BULLETIN

OF

THE OBSERVATORY

QC
990
.L4
M6
1950

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

January 1950

ROBERT W. SLOANE, DIRECTOR

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March 28, 2002

JANUARY 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	65.4	63.4	63.2	64.0	16.1	11.3	13.3	14.4	12.6	13.4
2	62.1	60.3	61.1	61.2	16.2	12.0	14.9	14.9	13.6	14.5
3	62.5	60.3	58.7	60.5	18.3	12.2	12.4	15.5	15.2	14.4
4	56.1	53.4	54.3	54.3	21.7	15.1	18.3	21.3	21.1	20.3
5	52.9	51.9	58.1	54.3	19.5	10.1	18.7	17.0	14.6	16.8
6	64.9	66.3	67.9	66.4	14.5	9.4	13.4	14.1	11.0	12.8
7	68.6	66.4	64.2	65.7	15.7	10.5	11.8	14.3	12.9	13.0
8	62.2	60.2	60.2	60.9	15.1	11.9	12.3	14.7	12.8	13.3
9	59.1	58.4	61.0	59.5	15.0	8.8	13.1	13.5	12.2	12.9
10	65.0	64.4	64.1	64.5	15.0	11.1	10.8	14.1	12.4	12.4
11	62.2	59.1	58.3	59.9	16.9	11.9	12.2	16.1	14.9	14.4
12	58.2	57.7	58.6	58.2	15.0	10.6	13.3	13.4	10.8	12.5
13	55.9	55.8	58.7	56.8	11.7	7.6	11.4	10.4	8.8	10.2
14	63.1	63.2	64.9	63.8	11.7	6.3	8.8	8.3	7.2	.83
15	65.0	63.4	64.0	64.1	11.1	7.1	7.7	9.1	8.2	8.3
16	62.3	61.7	63.6	62.5	13.4	7.3	9.9	12.4	10.6	11.0
17	69.4	69.6	70.2	69.7	12.7	8.1	10.2	12.2	8.9	10.4
18	70.3	68.7	68.9	69.3	15.0	10.1	11.1	14.3	12.0	12.5
19	63.6	66.9	65.0	64.2	16.7	11.1	12.3	15.7	12.8	13.6
20	58.2	61.1	58.8	58.6	18.7	9.4	14.4	18.2	14.4	15.7
21	57.7	56.0	54.7	56.1	15.3	9.2	12.1	13.3	10.8	11.1
22	54.9	56.1	58.6	56.5	15.3	8.9	13.6	14.9	12.7	13.7
23	60.1	59.6	60.4	60.0	14.0	9.4	11.1	12.2	12.3	11.9
24	62.2	62.2	62.6	62.3	13.2	9.4	11.6	12.2	11.1	11.6
25	62.2	60.6	60.1	61.0	11.1	7.2	10.4	11.1	9.3	10.3
26	60.0	59.3	60.0	59.8	8.8	1.5	8.5	10.5	1.9	7.0
27	63.2	63.7	65.2	64.0	7.8	4.9	4.9	6.9	6.5	8.1
28	67.0	66.6	66.8	66.8	10.9	6.8	7.8	8.2	7.2	7.7
29	97.1	65.9	66.9	66.6	14.9	9.1	10.6	13.8	10.7	11.7
30	67.7	66.6	66.8	67.0	15.2	9.1	12.1	14.4	10.5	12.3
31	64.7	61.4	60.3	62.1	15.8	9.3	12.2	14.9	10.9	12.7
	62.35	61.48	62.07	62.00	14.59	9.25	11.78	13.43	11.32	12.18

Barometer, range for month 770.3 mm. — 751.9 mm.
,, 71-yr. average for month 763.184 mm.
Thermometer, range for month 21.7°C — 1.5°C
,, 71-yr. average for month 13.72°C.
Rain, total for month 168.67 mm.
,, 71-yrs average for month 190.28 mm.
,, Tolal, Sept. 1st. to end of month 457.45 mm.
,, 71-yr. average, Sept. 1st. to end of month 564.55 mm.

JANUARY 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.5	11.5	10.5	10.8	69	70	71	70	6.7	193	
2	14.0	15.0	13.8	14.3	82	55	53	63	1.8	298	8.89
3	13.5	14.5	13.5	13.8	92	81	80	84	1.1	338	2.54
4	11.3	11.1	11.1	11.2	53	44	44	47	1.3	426	
5	13.9	16.3	11.5	13.9	65	82	70	72	3.2	1368	34.55
6	8.5	8.3	8.8	8.5	56	53	66	58	4.1	322	2.29
7	8.8	9.6	8.7	9.0	65	60	62	62	6.6	106	
8	12.8	12.0	12.8	12.5	91	73	87	84	3.4	443	1.27
9	11.4	10.5	9.2	10.4	76	70	64	70	2.1	621	
10	8.1	10.1	9.6	9.3	62	65	68	65	7.2	441	
11	13.7	14.1	14.5	14.1	96	77	85	86	3.5	620	18.80
12	12.1	13.5	13.4	12.8	88	88	93	90	3.7	509	12.45
13	12.1	10.1	7.6	9.9	90	77	66	78	3.8	645	2.54
14	6.4	6.8	6.6	6.6	56	63	65	61	4.6	718	
15	5.7	7.6	9.3	7.5	53	68	83	68	6.5	219	
16	8.5	7.9	7.5	8.0	66	54	61	60	5.8	224	
17	8.1	7.9	8.4	8.1	65	55	74	65	8.7	143	
18	8.3	11.0	10.5	9.9	63	67	74	69	7.4	114	
19	9.3	11.6	10.5	10.5	65	65	71	67	6.1	140	
20	7.0	9.8	10.6	9.1	42	47	65	51	8.9	509	
21	11.1	13.4	12.3	12.3	79	87	97	88	0.7	808	27.18
22	11.9	10.6	11.0	11.2	76	63	73	71	1.8	853	23.62
23	11.4	12.8	12.8	12.3	86	92	89	89	2.5	398	19.05
24	12.7	10.1	9.6	10.8	93	71	71	78	3.1	435	10.16
25	7.6	7.9	6.0	7.2	60	60	51	57	8.1	488	
26	4.9	1.2	6.5	4.2	47	7	96	50	7.1	547	2.29
27	4.7	3.3	4.7	4.2	51	35	51	46	8.4	330	1.52
28	6.3	8.5	6.9	7.2	60	77	68	68	4.2	154	1.52
29	7.0	8.3	7.9	7.7	55	51	62	56	3.7	140	
30	8.6	11.5	9.2	9.1	60	70	72	67	3.3	185	
31	6.2	5.6	7.1	6.3	43	31	54	43	8.4	165	
	9.60	10.07	9.73	9.81	67.9	63.1	70.5	67.2	4.76	416.0	5.44

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

JANUARY 1950

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	30:20		
1	5ci-st	6cu-ci	0	3.7	1se	1ne	1ne	light	
2	10cu-ni	10-ni	7cu	9.0	2sw	2sw	1nw	,,	
3	10cu-ni	10cu-ni	7cu	9.0	1se	3sw	2sw	,,	
4	7cu-st	10cu-st	10st	7.0	1s	3sw	4sw	slight	W at night ;Tr. am.
5	6cu	10cu-ni	4cu	6.7	3sw	7sw	7sw	rough	G., T all day
6	8cu-ni	7cu	2cu-ci	5.7	6nw	2n	2n	moderate	
7	9ci	10ci	10cu-st	9.7	1se	2n	1n	light	
8	10cu-st	4st-cu	8st-ni	9.3	1sw	2n	1n	,,	
9	10st	10st	2cu	7.3	4n	5n	4n	moderate	Tr. a. m
10	7st-ci	5cu-ci	5cu-ni	5.7	2se	1w	1sw	light	Tr. p. m
11	10cu-ni	9cu	6cu	8.3	1s	1sw	4sw	slight	
12	8cu-ni	10ni-cu	10cu-ni	9.3	1sw	2w	2sw	,,	
13	10cu-ni	10cu-ni	5cu-ni	8.3	3n	3ne	5ne	,,	
14	3cu-ci	5cu-ci	0	2.7	4ne	4ne	4nw	mod.	
15	1ci	5ci-st	10ci-st	5.3	2n	3n	2n	slight	
16	9cu-st	8st-ci	2st	8.7	1s	2ne	4n	light	
17	1cu	0	0	0.3	1se	1ne	1ne	,,	
18	4ci-st	3ci	3ci	3.3	1se	1ne	0	calm	
19	5ci	5cu-ci	3ci	4.3	1se	2ne	1ne	light	
20	0	0	2cu	0.7	2s	2sw	2sw	light	T. at night
21	9ni	10cu-ni	10ni	9.7	3sw	4sw	3sw	mod.	Thunder a.m. T.
22	7cu-ni	5cu	2cu	4.7	5w	4w	4w	rough	at night; W. Hail
23	4cu-st	8cu-ni	7cu	6.3	1sw	3sw	1sw	slight	W.
24	8cu	10cu	10cu-ni	9.3	1e	2ne	4ne	,,	
25	2ci-cu	2cu-ci	0	1.3	3ne	2ne	3ne	slight	
26	7cu-ci	3ci	8cu-ni	6.0	3ne	4ne	2ne	mod.	
27	4cu-st	0	7cu-st	3.7	3ne	3ne	2ne	slight	
28	9cu-st	9cu-st	4st-cu	7.3	1se	1se	0	light	Tr. p.m.
29	9cu-st	5st-cu	0	4.7	1se	1ne	1ne	,,	
30	8st-cu	9cu	1cu	6.0	1se	3nw	1nw	,,	
31	7ci	6ci	7ci	6.7	1se	1w	0	calm	
				6.13					

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	3	4	1	11	4	7	0	1	0	31
14:30	5	12	0	1	0	8	4	1	0	31
20:30	6	9	0	0	0	9	1	3	3	31
Total	14	25	1	12	4	24	5	5	3	93

Number of days with rain 15, fog 0, thunderstorms 3, gale 1.

71 yr. av. number of days with rain during month 15.67

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

February 1950

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WEATHER BUREAU

FEBRUARY 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.4	52.3	58.0	54.9	13.8	8.5	9.9	13.3	10.5	11.2
2	61.1	61.1	61.6	61.3	14.0	9.1	11.1	13.3	10.8	11.7
3	59.2	57.2	57.7	58.0	11.8	4.1	9.9	11.1	8.9	10.0
4	58.6	58.4	58.8	58.6	5.8	1.6	6.1	4.4	5.3	5.3
5	55.6	55.1	59.4	56.7	6.3	0.6	2.8	5.5	4.4	4.2
6	64.0	66.0	69.7	66.6	8.0	0.6	0.9	1.6	3.2	1.9
7	73.4	73.1	74.7	73.6	11.4	5.4	8.0	11.0	6.7	8.6
8	72.5	68.7	68.1	69.8	12.4	6.9	9.5	11.8	8.3	9.9
9	63.7	61.6	61.5	62.3	14.7	7.9	9.4	13.6	9.9	11.0
10	61.6	62.2	63.1	62.3	16.1	9.3	11.6	14.9	11.2	12.6
11	63.2	62.4	65.0	63.5	13.8	8.9	9.9	13.3	10.2	11.1
12	67.8	67.8	69.2	68.3	15.7	10.2	13.3	15.2	11.8	13.4
13	69.0	67.7	67.8	68.2	16.8	11.4	13.2	16.1	12.7	14.0
14	67.5	67.1	67.8	67.5	15.4	9.9	12.1	15.4	13.4	13.6
15	68.8	67.8	69.1	68.6	17.0	10.4	13.0	16.1	12.9	14.0
16	68.8	67.2	67.0	67.7	17.3	10.6	14.5	16.7	12.6	14.6
17	66.8	66.4	66.3	66.5	17.0	11.0	14.0	16.1	12.9	14.3
18	66.8	66.4	66.4	66.5	18.4	12.3	14.8	17.6	13.8	15.4
19	64.4	62.6	61.2	62.7	19.8	14.4	15.9	15.9	14.9	15.6
20	56.7	55.6	56.8	56.4	21.8	10.8	19.6	20.1	17.2	19.0
21	54.5	54.1	57.2	55.3	16.1	9.9	14.7	10.7	13.3	12.9
22	61.4	62.0	64.0	62.5	17.8	13.3	13.9	17.2	14.9	15.3
23	64.2	62.8	62.8	63.3	19.2	14.6	16.8	18.3	17.2	17.4
24	62.8	62.1	61.9	62.3	18.0	12.1	16.8	17.3	14.4	16.2
25	60.5	59.1	60.3	60.0	17.7	9.2	14.8	17.1	12.9	14.9
26	62.7	63.1	65.0	63.6	17.4	12.3	13.8	16.4	13.3	14.5
27	67.2	66.1	66.6	66.6	17.9	11.4	14.8	17.7	12.9	15.1
28	64.7	64.0	63.1	63.9	19.6	14.3	15.5	18.2	15.2	16.3
29										
30										
31										
	63.28	62.86	63.92	63.48	15.39	9.32	12.16	14.14	11.63	12.64

Barometer, range for month 774.4 mm. — 754.1 mm.
,, 71-yr. average for month 761.982 mm.
Thermometer, range for month 21.8°C — 0.6°C
,, 71-yr. average for month 14.29°C.
Rain, total for month 138.69 mm.
,, 71-yrs. average for month 157.75 mm.
,, Total, Sept. 1st. to end of month 596.14 mm.
,, 71-yr. average, Sept. 1st. to end of month 722.30 mm

FEBRUARY 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	10.9	11.0	9.2	10.4	88	74	72	78	0.3	1046.0	17.28
2	7.1	8.3	7.5	7.6	54	55	59	56	6.8	325.0	
3	10.9	8.8	7.2	9.0	88	66	62	72	2.7	528.0	6.86
4	6 3	7.6	4.6	6.2	67	89	57	71	2.2	661.0	6.10
5	6.0	1.8	4.0	3.9	80	16	46	47	1.6	563.0	10.92
6	6.3	6.5	5.6	6.1	96	94	70	87	0.6	248.0	7.36
7	9.9	7.1	6.2	7.7	92	54	65	70	8.1	35.0	0.25
8	6.8	6.2	6.8	6.6	59	48	62	56	9.3	19.0	
9	5.6	9.6	6.3	7.2	46	63	53	54	10.2	35.0	
10	9.3	12.0	11.4	10.9	67	71	86	75	5.1	122.0	
11	11.6	10.5	11.4	11.2	94	69	94	86	7.1	64.0	14.48
12	10.5	11.1	10.5	10.7	69	67	79	72	11.6	122.0	
13	9.6	12.1	11.9	11.2	64	65	80	70	10.0	48.0	
14	12.3	12.5	12.9	12.6	88	71	84	81	9.3	92.0	4.83
15	10.1	12.1	11.4	11.2	68	64	80	71	10.1	71.0	
16	11.5	12.6	11.9	12.0	70	66	80	72	10.2	114.0	
17	11.1	11.1	11.9	11.4	70	61	82	71	10.3	132.0	
18	11.0	13.3	13.4	12.6	65	65	84	71	10.4	129.0	
19	10.9	13.5	14.0	12.8	59	58	80	66	10.0	122.0	
20	8.0	12.0	13.6	11.2	37	52	72	54	7.6	145.0	
21	11.2	12.3	11.4	11.6	67	97	76	80	2.1	298.0	52.32
22	13.0	14.2	12.0	13.1	81	73	71	75	4.8	348.0	2.29
23	10.9	13.9	9.3	11.4	56	66	46	56	8.9	360.0	
24	12.9	13.7	11.5	12.7	68	72	70	70	3.4	529.0	
25	11.5	12.1	11.0	11.5	68	64	74	69	5.4	148.0	0.76
26	11.9	11.1	10.1	11.0	75	62	66	68	3.5	180.0	15.24
27	10.0	11.8	11.4	11.1	59	59	77	65	8.0	134.0	
28	12.5	9.8	13.5	11.9	71	46	80	66	9.8	198.0	
29											
30											
31											
	9.99	10.66	10.07	10.24	70.2	65.2	71.6	68.9	6.76	250.57	4.95

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

FEBRUARY 1950

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	30:20		
1	10ni	10ni	7cu-ci	9.0	4sw	4sw	5sw	mod.	T. a.m. ; G.
2	2cu	1cu-ci	5cu	2.7	1sw	2nw	1nw	mod.	
3	10ni-cu	10cu-ni	10ni	10.0	2se	1n	5ne	slight	W. at night
4	9cu-ni	9cu	10cu	9.3	5n	2ne	1nw	mod.	Snow a.m., p.m.
5	8cu-ni	10cu-ni	3ci-cu	7.0	6ne	3w	3nw	mod.	Snow, Hail, p.m.
6	10ni	10-ni	8cu-ni	9.3	3ne	2s	2s	,,	Snow a.m. 5cm.
7	3cu	4cu	1cu	2.7	1se	2n	1n	light	
8	0	0	0	0.0	1se	1n	0	,,	
9	0	0	0	0.0	1se	2ne	1n	,,	
10	8st-ci	7cu-st	8cu	7.7	2sw	3sw	1sw	,,	
11	9ni	9st-ni	9ni	9.0	1s	1sw	1nw	,,	
12	3cu	2cu	0	1.7	1se	2w	1sw	,,	
13	3st	0	6cu	3.0	1se	1sw	0	,,	
14	9cu-ni	3cu	2cu	4.7	1s	1sw	2nw	,,	
15	0	0	0	0.0	2sw	1nw	1nw	,,	
16	0	0	0	0.0	1s	2n	1n	,,	
17	0	0	0	0.0	1ne	2ne	2ne	,,	D. a.m. ; D. p.m
18	0	0	0	0.0	2s	2n	1n	,,	D. p. m.
19	0	0	0	0.0	1ne	2nw	1nw	,,	D. a. m; D. p.m.
20	8ci-st	9ci-st	10st	9.0	2sw	1sw	3sw	,,	
21	5cu-ci	10ni	7cu-ni	7.3	3sw	1se	3nw	,,	
22	6cu-st	7cu	7cu	6.7	2se	3sw	3sw	slight	
23	3ci-st	0	4ci	2.3	3sw	3ne	4n	,,	
24	10ci-st	10cu-st	7cu	9.0	4sw	3sw	2sw	,,	
25	9ci-cu	4cu-ci	3cu-ci	5.3	1s	1nw	1nw	light	
26	7cu	8cu	4cu	6.3	2w	2w	2w	,,	
27	8cu-st	2ci	3ci	4.3	1n	1n	1n	,,	
28	3ci	0	0	1.0	1ne	2ne	1ne	,,	
29									
30									
31									
				4.55					

Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	5	0	7	5	8	1	0	0	28
14:30	6	5	0	1	1	8	3	4	0	28
20:30	6	3	0	0	1	6	1	9	2	28
Total	14	13	0	8	7	22	5	13	2	84

Number of days with rain 12, fog 0, thunderstorms 1, gale 1.

71 yr. av. number of days with rain during month 13.9

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

March 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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NOV 25 1955
WEATHER BUREAU

MARCH 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.5	58.4	58.6	59.5	23.2	17.3	18.8	21.3	18.8	19.6
2	59.2	55.8	57.7	57.6	24.0	16.1	18.3	23.7	17.8	19.9
3	60.8	60.2	59.8	60.3	22.1	14.6	18.1	19.3	16.2	17.9
4	58.0	54.7	53.8	55.5	27.4	15.6	21.6	22.3	23.2	22.4
5	57.1	57.6	58.6	57.1	17.0	11.7	16.1	14.9	14.1	15.0
6	59.1	57.8	58.1	58.3	19.5	12.5	15.3	18.8	14.7	16.3
7	57.0	56.6	58.7	57.4	16.8	11.0	15.1	14.9	14.1	14.7
8	59.9	59.4	60.7	60.0	17.5	10.6	14.6	16.4	12.2	14.4
9	61.5	60.9	61.8	61.4	16.6	11.1	15.0	15.5	13.3	14.6
10	61.2	60.6	61.0	60.9	15.8	10.6	11.7	13.9	12.3	12.6
11	62.3	62.7	64.2	63.4	18.5	11.1	13.0	17.4	13.8	12.7
12	65.9	65.0	64.9	65.3	18.8	11.8	16.0	18.0	13.8	15.9
13	64.3	63.0	64.3	63.9	19.6	12.2	15.4	18.7	14.6	16.2
14	63.9	63.3	63.5	63.6	19.6	13.2	15.5	18.7	16.3	16.8
15	63.8	62.5	62.2	62.8	19.9	13.7	16.2	18.9	15.5	16.9
16	61.3	60.3	60.4	60.7	22.0	14.3	17.4	21.2	16.1	18.2
17	61.1	60.7	61.1	61.0	21.9	13.3	17.7	21.3	16.2	18.4
18	60.9	60.9	61.7	61.2	20.3	12.1	16.4	18.9	14.9	16.7
19	63.4	63.5	64.0	63.6	19.8	12.7	16.6	19.2	14.9	16.9
20	63.4	62.4	62.6	62.8	19.3	11.7	16.3	18.8	13.9	16.3
21	61.2	59.9	59.8	60.3	18.7	12.3	16.1	17.2	13.8	15.7
22	60.8	60.9	62.2	61.3	18.7	11.7	15.9	17.9	13.8	15.9
23	63.0	61.6	61.6	62.1	19.7	12.4	16.7	18.6	15.1	16.8
24	60.3	58.2	56.9	58.5	20.4	11.1	16.4	19.4	14.0	16.6
25	56.5	57.4	59.1	57.7	18.2	10.7	11.1	16.8	14.0	14.0
26	58.9	61.0	63.3	61.1	18.2	9.9	12.9	15.9	13.3	14.0
27	64.6	64.4	64.6	64.5	18.0	10.0	14.1	13.2	11.7	13.0
28	59.2	57.7	57.3	58.1	20.2	10.1	16.0	14.5	14.3	14.9
29	59.7	60.3	62.6	60.9	18.7	11.5	12.7	16.6	13.6	14.3
30	65.1	62.8	65.9	64.6	19.0	11.6	16.2	18.7	13.1	16.0
31	65.0	63.1	62.8	63.6	21.5	14.8	16.7	20.4	16.4	17.8
	61.25	60.44	61.09	60.93	19.70	12.36	15.80	18.10	14.83	16.18

Barometer, range for month 765.9 mm. — 753.8 mm.
,, 71-yr. average for month 761.187 mm.
Thermometer, range for month 27.4°C —10.0°C
,, 71-yr. average for month 16.16°C.
Rain total for month 105.17 mm.
,, 71-yrs. average for month 92.54 mm.
,, Tolal, Sept. 1st. to end of month 701.30 mm.
,, 71-yr. average, Sept. 1st. to end of month 814.84 mm

MARCH 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.8	13.8	12.9	13.5	63	55	59	59	5.1	126.0	
2	17.9	19.0	13.8	16.9	85	64	69	73	3.6	291.0	
3	17.9	17.9	17.8	17.9	84	80	97	87	6.8	198.0	
4	13.2	19.2	13.1	15.2	51	72	45	56	7.0	430.0	
5	17.2	16.0	12.4	15.2	94	94	81	90	3.2	219.0	11.43
6	10.1	10.8	10.6	10.5	58	50	61	56	8.1	188.0	0.25
7	14.3	13.5	11.0	12.9	83	78	66	76	5.8	322.0	9.15
8	10.6	10.7	9.6	10.3	64	57	68	63	7.9	703.0	0.25
9	12.0	13.5	11.4	12.3	70	75	76	74	3.0	512.0	4.07
10	13.2	13.9	12.3	13.1	96	86	87	90	2.2	280.0	20.83
11	14.4	13.9	13.4	13.6	92	70	82	81	2.8	449.0	25.14
12	12.9	15.1	14.4	14.1	70	73	89	77	9.0	478.0	
13	13.4	13.9	14.4	13.9	77	65	86	76	9.3	282.0	
14	14.5	16.0	13.1	14.5	81	75	70	75	9.1	592.0	
15	14.2	15.0	15.6	14.9	77	68	89	78	9.0	311.0	
16	17.6	10.9	14.0	14.2	89	44	76	70	9.5	351.0	
17	12.8	12.8	12.6	12.7	63	50	69	61	8.7	280.0	
18	14.5	13.9	11.5	13.3	74	64	68	69	7.1	314.0	
19	10.2	12.7	13.0	12.0	53	56	77	62	8.9	360.0	
20	10.8	11.8	11.5	11.4	59	55	73	62	7.4	566.0	
21	12.1	12.5	12.9	12.5	66	64	80	70	3.4	367.0	
22	11.9	11.6	11 0	11.5	66	57	69	70	6.8	480.0	
23	11.5	12.6	12.0	12.0	60	59	73	64	8.6	309.0	
24	13.6	13.7	13.4	13.6	73	60	82	72	8.8	436.0	
25	12.3	11.2	9.2	10.9	93	59	60	71	3.2	600.0	9.40
26	11.9	10.2	9.2	10.4	81	56	61	66	2.8	650.0	13.47
27	11.7	12.4	10.5	11.5	72	81	78	77	2.7	399.0	5.08
28	8.1	13.9	9.6	10.5	42	85	59	62	1.8	726.0	1.78
29	11.2	11.6	10.1	11.0	75	61	66	67	3.7	772.0	4.32
30	11.1	12.9	11.9	12.0	60	59	78	66	4.5	335.0	
31	12.6	17.0	16.7	15.4	67	69	93	76	8.9	381.0	
	13.01	13.68	12.41	13.02	72.2	66.2	73.8	70.8	6.09	409.97	3.39

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.
Rim of Rain Gauge: above ground 0 56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

MARCH 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6ci	1ci	4cu-st	3.7	1ne	1sw	1nw	light	
2	9st-cu	5st-cu	0	4.7	2w	2sw	2sw	slight	H. p.m.
3	7ci-st	0	0	2.3	1sw	1sw	1sw	light	H. a.m.
4	4cu-st	5st-cu	0	3.0	2se	2ne	2se	,,	H., Tr. a.m p.m.,D.
5	10ni	10ni	7cu-st	9.0	1nw	1sw	2sw	,,	
6	0	0	7st-cu	2.3	1sw	1sw	1sw	,,	H. all day
7	6cu-ni	8st-cu	10cu	8.0	2sw	3ne	1w	slight	
8	4cu	2cu	2cu-st	2.7	2ne	2ne	1w	,,	
9	4cu	10-ni	10cu	8.0	3sw	1sw	1sw	light	
10	10ni	10cu-ni	9cu-ni	9.7	1s	1sw	1sw	slight	
11	4cu	3cu	3cu	3.3	1sw	3sw	1sw	light	Tr. p.m.
12	1ci-cu	5ci	5ci	3.7	3sw	3w	1w	,,	Tr. p.m.
13	9ci	0	4st-cu	4.3	1e	2n	1ne	,,	D., am H. a.m.
14	0	4ci-cu	0	1.3	1e	3ne	4ne	,,	D. a.m.
15	0	0	0	0.0	2ne	2ne	2ne	,,	
16	0	4cu-ci	0	1.3	2n	1n	0	,,	D. am.
17	6ci	7ci	0	4.3	0	1n	0	calm	D. a.m.
18	1cu	3cu	3st	2.3	3w	2nw	1n	slight	
19	0	1cu	0	0.3	1ne	2ne	1ne	,,	
20	8ci-cu	0	8ci-st	5.3	4sw	2w	1w	light	
21	6ci-cu	9ci-st	4ci	6.3	3sw	2nw	1nw	,,	
22	2cu	3cu-ci	8ci-st	4.3	2sw	3sw	1nw		
23	0	0	0	0.0	3ne	2ne	2n	slight	
24	2ci	0	10cu-ni	4.0	1sw	2nw	1nw	light	Tr. p.m.
25	10ni	8cu-ni	3cu	7.0	3sw	4sw	3sw	slight	Thunder a.m.
26	10ni	10cu-ni	3cu	7.7	4sw	4w	4w	mod.	Thunder a.m.
27	4cu	10-ni	2cu-ci	5.3	2s	2sw	1sw	slight	
28	8st-ci	10ni	9cu-ni	9.0	4sw	4sw	4sw	mod.	W.; T., G., p.m.
29	9cu-ni	7cu	7cu-st	7.7	3s	3sw	2sw	mod.	
30	6cu-ci	4cu-ci	2ci-cu	2.3	2sw	2nw	1nw	slight	
31	1ci	0	0	0.3	1ne	2ne	1ne	light	
				4.30					

Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	6	2	1	3	14	2	1	1	31
14:30	3	8	0	0	0	13	3	4	0	31
20:30	3	5	0	1	0	11	4	5	2	31
Total	7	19	2	2	3	38	9	10	3	93

Number of days with rain 12, fog 0, thunderstorms 4, gale 1.

71 yr. av. number of days with rain during month 10.76

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

April 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
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WEATHER BUREAU

APRIL 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.6	59.0	58.4	59.3	26.3	17.8	19.6	24.1	14.9	19.5
2	56.8	56.7	56.3	56.6	28.8	20.0	26.3	25.7	23.4	25.1
3	55.6	53.9	52.0	53.8	31.3	19.2	27.2	28.8	27.8	27.9
4	56.7	58.5	58.9	58.0	22.5	14.8	18.7	21.0	16.2	18.6
5	57.7	56.8	57.4	57.3	21.1	14.6	18.3	20.2	17.2	18.6
6	58.4	58.3	59.2	58.6	21.6	13.8	18.3	19.7	15.9	18.0
7	59.4	60.8	61.3	60.5	23.2	12.8	21.6	19.4	15.5	18.8
8	61.0	60.1	60.7	60.6	21.1	13.1	17.7	19.9	16.1	17.9
9	58.6	59.2	59.8	59.2	19.2	10.5	15.0	18.3	14.0	15.8
10	59.2	57.4	55.9	57.5	21.0	15.0	18.2	18.4	15.8	17.5
11	55.0	55.5	58.1	56.2	18.6	14.6	16.9	17.7	15.5	16.7
12	63.1	64.2	64.4	63.9	22.0	12.9	17.2	17.5	15.0	16.6
13	63.7	62.0	61.6	62.4	22.0	13.9	19.4	20.9	15.9	18.7
14	62.2	61.5	61.5	61.7	21.1	14.3	20.4	20.5	16.1	19.0
15	62.1	61.5	61.8	61.8	22.1	15.3	18.4	21.4	17.8	19.2
16	61.6	60.7	60.9	61.1	23.2	16.1	19.9	22.3	17.4	19.9
17	61.6	60.3	59.7	60.5	24.5	17.3	19.2	23.4	19.0	20.5
18	59.1	57.6	56.9	57.9	31.1	22.0	22.2	28.8	24.1	25.0
19	56.8	59.1	56.4	57.4	34.8	22.2	31.1	31.1	23.9	28.7
20	56.5	56.1	56.3	56.3	35.4	23.0	28.2	34.9	23.1	28.7
21	56.8	56.0	56.6	56.5	36.0	19.9	28.7	33.3	22.2	28.1
22	57.3	56.2	55.7	56.4	27.3	17.3	24.0	26.2	19.8	23.3
23	55.8	54.1	56.5	55.4	25.0	18.6	22.8	23.7	20.5	22.3
24	58.7	58.0	58.8	58.5	25.4	18.9	20.5	24.2	20.2	21.6
25	59.0	57.5	57.0	57.8	27.2	18.7	21.9	25.5	20.5	22.6
26	57.6	58.7	58.8	58.4	27.2	20.6	24.3	26.0	23.0	24.4
27	57.5	56.7	57.3	57.2	27.3	18.9	23.7	25.5	20.6	23.3
28	57.4	56.3	56.8	56.8	25.9	20.2	22.7	24.8	20.9	22.8
29	57.4	56.3	57.1	56.9	25.6	20.1	21.6	25.4	20.8	22.6
30	57.8	57.1	57.8	57.6	25.5	20.9	21.8	24.4	20.5	22.2
31										
	58.71	58.20	58.33	58.41	25.44	17.24	21.53	23.77	19.32	21.54

Barometer, range for month 764.4 mm. — 752.0 mm.
,, 71-yr. average for month 760.03 mm.
Thermometer, range for month 36.0°C —10.5°C
,, 71-yr. average for month 19.10°C.
Rain total for month 7.90 mm.
,, 71-yrs average for month 55.16 mm.
,, Total, Sept. 1st. to end of month 709.16 mm.
,, 71-yr. average, Sept. 1st. to end of month 870.00 mm

APRIL 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	21.2	11.5	14.4	16.0	77	39	76	64	8.4	304.0	
2	9.8	18.3	8.3	11.8	25	56	30	37	7.3	323.0	
3	14.0	16.9	11.2	14.0	39	43	29	37	6.5	618.0	
4	17.9	18.9	15.6	17.5	80	74	86	80	5.2	496.0	
5	15.0	16.3	15.8	15.7	71	69	81	74	4.1	311.0	
6	14.4	14.6	14.6	14.5	69	64	80	71	6.8	457.0	
7	10.4	14.0	12.1	12.2	39	61	68	56	8.0	407.0	
8	12.2	13.1	13.1	12.8	60	55	72	62	8.0	277.0	
9	10.1	12.3	12.4	11.6	59	58	78	65	4.8	214.0	7.11
10	11.3	11.8	12.5	11.9	54	57	72	61	4.8	327.0	0.25
11	15.5	15.9	12.5	14.6	80	78	71	76	1.8	528.0	0.50
12	12.1	12.3	13.5	12.6	64	62	75	67	7.0	463.0	
13	14.6	16.0	13.6	14.7	65	64	74	68	8.2	476.0	
14	16.4	17.0	15.1	16.2	68	70	83	74	8.4	328.0	
15	15.5	16.7	14.8	15.7	73	63	74	70	8.7	291.0	
16	17.4	18.0	16.3	17.2	76	66	85	76	7.9	238.0	
17	18.8	20.7	19.5	19.7	85	72	89	82	6.7	201.0	
18	19.3	15.7	11.0	15.3	71	40	39	50	6.1	311.0	
19	14.5	14.5	13.2	14.1	32	32	45	36	7.4	605.0	
20	17.8	13.1	21.8	17.6	46	24	80	50	7.7	303.0	
21	16.2	16.6	19.2	17.3	42	32	71	48	8.0	237.0	
22	21.0	20.4	21.5	21.0	71	62	93	75	7.3	340.0	
23	21.2	21.5	20.5	21.1	75	73	86	78	7.3	317.0	
24	19.2	21.1	19.7	20.0	79	68	87	78	5.2	290.0	
25	20.6	22.8	22.3	21.9	78	70	93	80	5.7	328.0	
26	24.8	21.1	16.9	20.9	83	62	62	69	2.4	214.0	
27	20.7	22.8	21 1	21.5	71	70	88	76	4.9	261.0	
28	21 8	21.9	21.9	21.9	78	70	87	78	5.0	322.0	
29	20.9	22.1	19.3	20.8	81	67	81	76	3 7	425.0	
30	21.5	19.8	19.9	20.4	81	65	81	76	2.8	414.0	
31											
	16.84	17.26	16.15	16.75	65.7	59.5	73.8	66.3	6.20	354.2	0.26

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

APRIL 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	5ci	0	0	1.7	1ne	1ne	1ne	light	D. a.m. H.
2	10ci	7ci	3ci	6.7	3e	1n	1n	,,	Hot Wind, a.m.
3	4ci	7ci	8ci	6.3	1e	2e	2e	calm	Hot W, H, all day W. p.m
4	10st-ni	0	2st	4.0	4w	3sw	2sw	slight	H. p.m.
5	0	3st-cu	9st-cu	4.0	2ne	2ne	1ne	light	H.
6	3cu-ci	2st	4cu-ci	3.0	1w	2n	1n	,,	
7	0	4cu	0	1.3	1sw	2nw	1n	,,	W. a.m.
8	3cu	3cu-ci	3cu	3.0	3sw	4w	3w	slight	
9	10ni-cu	8cu	3cu	7.0	3sw	3sw	1sw	,,	W. a.m.
10	0	8st-cu	8cu-ni	5.3	1sw	3ne	3n	,,	
11	10st	10cu-st	3cu	7.7	4sw	3nw	4nw	,,	
12	5cu	0	0	1.7	2sw	2sw	1sw	,,	
13	0	0	0	0.0	2ne	2ne	2ne	,,	
14	2cu	1ci	0	1.0	2ne	2ne	1ne	,,	
15	0	0	0	0.0	1n	1ne	1ne	light	
16	8ci	3ci	0	3.7	2sw	2n	0	,,	
17	9ci-st	0	6ci	5.0	1n	1n	1n	slight	
18	7ci	8ci	3ci	6.0	2ne	2ne	1e	calm	
19	6ci	0	0	2.0	4se	2ne	1ne	light	Hot W. a.m.
20	2ci	0	4ci	2.0	1ne	1ne	1ne	,,	
21	3ci	0	0	1.0	0	1nw	2w	calm	
22	2st	3ci-st	0	1.7	1sw	2sw	1sw	light	Tr. a.m.
23	2ci-st	9ci-st	10ci-st	7.0	2ne	2ne	1ne	,,	
24	10st	0	3ci-st	4.3	2nw	2ne	2ne	,,	
25	7ci-st	7ci-st	0	4.7	2nw	3e	2nw	,,	
26	9st	8st	9st	8.7	2w	1nw	2sw	,,	Mist over Sea; D. a m. Tr.
27	4cu-st	3cu-st	5cu	4.0	1ne	3ne	1ne	,,	Tr. a.m.
28	5st-cu	3cu-st	9st	5.7	1nw	2nw	2n	,,	
29	8st	3cu-st	10cu-st	7.0	2w	3nw	3w	,,	
30	8cu-st	7cu-st	7cu-st	7.3	3w	3w	1n	,,	Tr. a.m.
31									
				4.09					

Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	8	2	1	0	7	5	4	1	30
14:30	4	12	2	1	0	3	2	6	0	30
20:30	7	9	2	0	0	6	3	2	1	30
Total	13	29	6	2	0	16	10	2	2	90

Number of days with rain 3, fog 1, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 6.23

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

May 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

MAY 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20.30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.4	58.0	57.9	57.8	24.5	15.6	22.7	19.9	18.0	20.2
2	56.8	56.4	55.9	56.4	25.2	18.8	21.8	24.4	20.3	22.2
3	54.4	53 6	53.9	54.0	27.7	20.6	21.1	27.2	23.8	24.0
4	56.2	56.1	58.1	56.8	27.7	19.0	24.6	26.7	21.1	24.1
5	59.3	58 9	59.0	59.1	23.6	15.2	21.7	22.3	18 9	21.0
6	59.1	58.6	57.8	58.5	22.9	15.5	18.2	21.1	16.3	18.5
7	57.6	55.8	56.4	56.6	23.9	17.8	20.5	21.6	18.9	19.4
8	57.3	57.3	58.2	57.6	23.8	16.6	21.8	23.3	18.7	21.3
9	57.6	57.5	57.6	57.6	24.7	16.3	21.6	23.8	18.3	21.2
10	56.1	55.2	54.6	55.3	25.1	16.0	21.6	22.2	20.7	21.5
11	54.2	54.8	55.2	54.7	24.0	15.5	21.6	23.0	18.3	21.0
12	55.4	55.4	55.8	55.5	21.5	15.6	20.3	19.4	17.2	19.0
13	55.6	55.8	56.7	56.0	24.6	17.4	19.9	22.5	18.3	20.2
14	56.6	58.1	58.9	57.9	23.1	15.0	20.5	19.3	17.1	22.3
15	59.6	59.7	59.3	59.5	23.9	16.0	21.1	22.5	18.4	20.7
16	59.1	59.2	59.7	59.3	24.8	17.4	22.7	24.4	19.2	22.1
17	59.3	58.5	57.8	58.5	25.8	18.8	21.1	25.1	19.8	22.0
18	59.1	57.1	57.1	57.8	28.7	20.0	22.7	26.7	26.8	25.4
19	59.9	60.5	60.9	60.4	25.8	17.8	23.8	23.8	19.4	22.3
20	61.0	59.3	60.3	60.2	25.9	18.3	21.1	24.9	19.6	21.9
21	60.4	59.9	59.9	60.1	25.3	17.3	22.7	22.9	19.9	21.8
22	60.0	59.8	60.1	60.0	26.2	18.4	23.7	25.9	20.1	23.2
23	59.6	59.2	60 0	59.6	26.1	17.7	20.5	24.6	20.2	21.8
24	60.6	60.2	61.6	60.8	26.8	18.1	22.4	24.4	20.2	22.3
25	62.4	62.6	62.4	62.5	26.5	19.8	23.8	26.1	20.9	23.6
26	62.3	61.3	60.2	61.3	28.2	20.4	24.6	26.5	22.2	24.4
27	59.7	58.8	57.9	58.8	31.9	21.2	25.9	30.4	26.5	27.6
28	60.5	60.4	61.1	60.7	28.9	21.0	24.5	27.3	22.4	24.7
29	60.8	60.1	59.6	60.2	28.7	20.5	24.4	28.3	22.4	25.3
30	58.9	57.7	57.6	58.1	28.2	20.5	24.8	27.1	22.3	24.7
31	56.5	56.2	56.7	56 5	28.2	18.9	24.7	27.2	21.8	24.6
	58.49	58.13	58.33	58.32	25.88	17.97	22.34	24.62	20.26	22.40

Barometer, range for month 762.6 mm. — 753.6 mm.

,, 71-yr. average for month 759.50 mm.

Thermometer, range for month 31.9°C —15.0°C

,, 71-yr. average for month 22.48°C.

Rain total for month 70.61 mm.

,, 71-yrs. average for month 18.15 mm.

,, Tolal, Sept. 1st. to end of month 779.78 mm.

,, 71-yr. average, Sept. 1st. to end of month 888.15 mm

MAY 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	19.7	17.4	17.0	18.0	71	75	82	76	2.1	161.0	17.53
2	21.0	20.5	19.3	20.3	76	66	79	74	8.8	520.0	
3	21.1	20.8	16.0	19.3	84	58	53	65	6.1	323.0	
4	20.7	20.6	20.7	20.7	67	59	83	70	3.6	140.0	
5	20.2	16.8	16.1	17.7	77	64	74	72	4.0	426.0	
6	18.0	16.5	16.7	17.1	86	66	91	81	6.3	436.0	20.06
7	15.9	17.2	17.8	17.0	66	66	81	71	8.7	217.0	
8	18.2	18.3	17.2	17.9	70	64	80	71	9.0	222.0	
9	16.1	17.2	16.5	16.6	62	58	79	66	8.2	348.0	
10	17.9	19.2	19.3	18.8	69	71	79	73	4.3	288.0	
11	18.1	16.9	17.6	17.5	70	63	83	72	4.0	407.0	2.79
12	16.7	15.6	16.3	16.2	69	68	83	73	2.1	335.0	18.80
13	16.5	17.4	15.5	16.5	72	64	73	70	4.7	282.0	
14	15.1	18.5	16.3	16.6	62	82	84	76	5.0	647.0	9.91
15	16.5	16.8	16.0	16.4	66	63	78	69	11.0	475.0	
16	18.1	19.2	17.9	18.4	65	64	79	69	11.8	270.0	
17	18.8	20.7	19.7	19.7	74	65	86	75	12.0	462.0	
18	20.9	23.3	13.2	19.1	74	67	39	60	3.0	311.0	
19	21.4	21.5	20.2	21.3	74	73	90	79	4.6	230.0	1.27
20	20.0	20.0	19.0	19.7	80	63	83	75	5.8	245.0	
21	18.7	18.1	17.4	18.1	67	65	76	69	7.2	299.0	
22	17.8	19.1	18.0	18.3	60	56	77	64	11.2	238.0	
23	18.8	18.0	18.0	18.3	78	60	77	72	8.3	591.0	0.25
24	18.6	19.8	19.2	19.2	69	65	81	72	11.8	562.0	
25	20.4	21.1	20.7	20.7	69	62	83	71	12.4	320.0	
26	23.2	24.6	24.2	24.0	75	70	91	79	4.3	335.0	
27	25.0	27.2	22.6	24.9	75	62	65	67	13.9	745.0	
28	23.9	25.6	22.2	23.9	78	72	84	78	12.6	484.0	
29	23.7	24.7	24.8	24.4	78	64	92	78	12.0	383.0	
30	23.7	24.2	24.2	24.0	75	66	90	77	12.8	359.0	
31	22.0	22.1	19.6	21.2	71	61	76	69	13.0	541.0	
	19.57	19.97	18.68	19.41	71.9	65.2	79.1	72.0	7.89	374.26	2.28

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.
Rim of Rain Gauge: above ground 0 56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

MAY 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu	10cu-ni	3cu	5.3	3w	1w	0	light	Thunder at noon
2	3cu-st	3cu-ci	3ci	3.0	2sw	2nw	2ne	,,	
3	10st	5ci-st	3ci-st	6.0	2ne	1ne	1ne	,,	
4	10st	5ci-st	8st	7.7	2sw	1nw	1sw	,,	Tr. a.m.
5	7ci-st	8cu-st	0	5.0	3sw	3w	1w	slight	
6	9cu-ni	6cu-ci	7cu-ni	7.3	3se	2w	2w	,,	
7	6ci-st	1cu-ci	1ci	2.7	2sw	2ne	2nw	,,	
8	2ci	3ci	0	1.7	2w	2nw	0	light	Tr. a.m.
9	5cu	3cu-ci	5cu-st	4.3	3sw	3w	1sw	,,	
10	9ci-st	10cu-st	10cu-ni	9.7	2ne	2ne	2ne	,,	
11	7cu-st	7cu	7cu-ni	7.0	3sw	3sw	3sw	slight	
12	9cu-ni	10ni	3cu	7.8	4sw	2sw	1nw	,,	
13	7ci-cu	3cu-ci	3cu	4.3	2nw	2w	2n	light	Tr. a.m.
14	8cu-ni	4cu	5cu	5.7	5sw	3sw	1w	slight	W. a.m.
15	1cu	1cu	0	0.7	3sw	2ne	2ne	,,	Tr. a.m.
16	0	0	0	0.0	2ne	2ne	1ne	light	Good Visibility, all day
17	3ci-cu	2ci	0	1.7	2ne	2ne	1ne	slight	
18	9st-cu	10cu-st	10st	9.7	2ne	1w	1sw	light	Hot breeze, at night
19	3ci-st	9st-cu	0	4.0	2sw	2nw	1nw	,,	H. a.m.
20	7ci-st	5ci	5ci-st	5.7	1nw	2nw	1n	,,	
21	0	8st-cu	3ci-st	3.7	2w	2nw	1nw	,,	
22	0	2cu-ci	2cu	1.7	1w	2w	2sw	,,	
23	8cu-ni	3cu	4cu	5.0	3sw	4sw	1sw	,,	
24	3cu	0	0	1.0	4sw	2sw	1sw	,,	
25	0	0	0	0.0	1ne	2ne	1ne	,,	
26	7ci-st	4ci	3ci	4.7	2ne	3ne	1ne	slight	W. at night
27	5ci	0	7st-ci	4.0	2n	2ne	5s	,,	H.
28	1st	0	0	0.3	3sw	3sw	0	,,	H. a.m.
29	4st	0	3st	0.3	3sw	2sw	2sw	light	
30	0	0	0	0.0	3sw	3sw	2sw	slight	
31	0	0	3st-cu	1.0	4sw	4sw	2sw	,,	Tr. p.m.
				3.95					

Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	7	0	1	0	15	4	3	0	31
14:30	0	9	0	0	0	9	7	6	0	31
20:30	2	8	0	0	1	10	3	4	3	31
Total	3	24	0	1	1	34	14	13	3	93

Number of days with rain 7, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 3.08

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JUNE 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
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WEATHER BUREAU

JUNE 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.2	56.5	57.8	56.8	27.8	19.9	25.4	27.2	21.9	24.8
2	57.6	57.2	57.3	57.4	28.6	20.2	25.1	27.7	22.3	25.0
3	57.1	56.9	56.8	56.9	28.8	20.2	25.7	28.1	22.3	25.4
4	56.8	57.4	58.0	57.4	29.0	20.7	25.2	27.7	22.7	25.2
5	58.3	58.4	58.8	58.5	28.4	20.5	25.5	27.6	23.1	25.4
6	60.0	59.5	59.9	59.8	29.4	19.9	24.1	28.6	22.9	25.2
7	59.7	59.2	59.3	59.4	29.7	19.7	25.9	29.3	22.9	26.0
8	58.6	58.6	58.8	58.7	29.2	19.4	25.5	28.7	22.7	25.6
9	58.9	59.1	60.1	59.4	29.1	19.5	25.4	28.4	22.5	25.4
10	61.7	61.9	62.7	62.1	29.3	19.9	26.4	28.0	22.2	25.5
11	62.6	62.1	61.4	62.0	28.4	20.4	24.4	27.6	22.7	24.8
12	60.3	59.1	58.7	59.4	29.0	21.3	26.7	28.8	23.1	26.2
13	58.4	57.5	57.5	57.8	30.9	22.2	26.1	30.0	23.8	26.6
14	57.3	57.5	57.4	57.4	32.1	22.8	28.1	31.4	24.6	28.0
15	57.8	57.5	57.3	57.5	31.0	20.6	27.7	29.9	24.1	27.2
16	56.3	55.9	55.2	55.8	30.4	22.7	26.2	29.9	23.9	26.7
17	55.1	54.5	54.1	54.6	30.6	21.5	27.2	30.5	23.8	27.2
18	54.5	54.7	55.3	54.8	29.8	22.1	29.9	28.4	24.2	27.5
19	55.6	55.4	55.4	55.5	31.5	24.1	27.1	30.8	24.9	27.6
20	53.6	52.4	53.0	53.0	30.7	23.7	27.5	29.8	24.9	27.4
21	52.2	52.5	53.0	52.8	30.6	22.3	27.4	29.6	24.2	27.1
22	53.9	54.8	55.7	54.8	30.8	22.6	27.3	30.2	24.1	27.2
23	55.8	55.4	56.2	55.8	31.7	22.3	27.8	30.9	24.9	27.9
24	56.0	55.1	55.8	55.6	31.5	22.3	27.8	31.1	24.8	27.9
25	55.3	54.7	54.7	54.9	31.4	22.2	27.7	31.1	25.1	28.0
26	55.2	54.6	55.3	55.0	31.4	22.5	27.4	30.1	25.4	27.6
27	55.1	55.3	56.4	55.6	31.4	22.3	28.2	30.6	25.3	28.0
28	56.6	56.1	56.7	56.5	31.4	22.5	28.3	29.6	25.3	27.7
29	56.9	57.0	57.9	57.3	31.4	22.2	27.7	28.5	24.6	26.9
30	57.6	57.0	57.6	57.4	31.3	22.4	28.3	29.3	24.7	27.4
31										
	57.03	56.79	57.14	57.00	30.22	21.50	26.77	29.31	23.80	26.61

Barometer, range for month 762.7 mm. — 752.2 mm.
,, 71-yr. average for month 757.92 mm.
Thermometer, range for month 32.1°C —19.4°C
,, 71-yr. average for month 25.62°C.
Rain total for month 0.00 mm.
,, 71-yrs average for month 3.26 mm.
,, Total, Sept. 1st. to end of month 779.78 mm.
,, 71-yr. average, Sept. 1st. to end of month 891.41 mm

JUNE 1950
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	17.6	20.2	19.0	18.9	55	56	74	62	10.3	291.0	
2	20.7	23.0	22.2	22.0	66	62	84	71	12.9	264.0	
3	23.7	23.3	22.2	23.1	71	61	84	72	13.2	222.0	
4	22.9	23.0	23.1	23.0	72	63	83	73	11.6	272.0	
5	20.2	23.0	21.2	21.5	62	61	78	67	12.8	323.0	
6	22.2	19.3	19.9	20.5	76	51	73	67	12.6	301.0	
7	18.4	18.4	19.3	18.7	56	45	71	57	13.0	177.0	
8	20.0	20.8	18.7	19.8	61	52	68	60	12.6	348.0	
9	19.4	19.9	18.0	19.1	59	53	68	60	12.9	264.0	
10	15.5	18.4	19.2	17.7	46	49	71	55	10.8	282.0	
11	18.4	20.4	19.9	19.6	60	54	71	62	13.0	304.0	
12	18.0	23.5	23.7	21.7	52	59	86	66	13.5	362.0	
13	24.4	24.0	24.8	24.4	72	57	84	71	13.6	264.0	
14	25.8	23.9	25.7	25.1	70	53	83	69	13.8	185.0	
15	23.7	24.0	24.1	23.9	63	57	82	67	13.3	150.0	
16	24.8	26.2	26.2	25.7	73	62	88	74	13.4	484.0	
17	24.2	25.8	24.1	24.7	66	58	80	68	12.9	261.0	
18	23.5	25.4	26.4	25.1	64	66	87	72	13.2	182.0	
19	26.0	28.0	25.3	26.4	72	65	81	73	13.7	224.0	
20	25.8	27.7	22.6	25.4	69	65	71	68	13.8	586.0	
21	23.6	23.1	23.0	23.2	64	56	75	65	12.1	275.0	
22	22.9	22.6	20.9	22.1	62	54	71	62	12.9	109.0	
23	22.8	27.6	26.6	25.7	61	61	83	68	13.7	106.0	
24	26.1	26.8	26.6	26.5	70	59	85	71	13.0	119.0	
25	25.2	26.8	26.6	26.2	67	59	84	70	12.8	140.0	
26	23.8	24.8	25.5	24.7	66	59	79	68	13.3	137.0	
27	24.4	24.3	23.5	24.1	64	55	72	64	12.7	116.0	
28	22.4	23.1	23.9	23.1	59	58	76	64	13.0	135.0	
29	23.7	24.0	22.4	23.4	64	63	73	67	12.9	122.0	
30	21.9	27.4	21.1	23.5	56	66	69	64	13.2	101.0	
31											
	22.40	23.62	22.86	22.96	63.9	58.0	77.8	66.5	12.88	236.9	0.00

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

JUNE 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3cu-st	3cu	3cu	3.0	3sw	2w	2w	slight	
2	0	2st	0	0.7	2w	3sw	1sw	"	
3	1cu	0	0	0.3	2sw	3sw	0	light	
4	0	1st	2st	1.0	3sw	3w	1sw	"	
5	0	0	0	0.0	3w	3ne	1ne	"	
6	2st	0	0	0.7	2nw	3ne	1ne	"	Good Visibility, p.m.
7	0	0	0	0.0	2w	2w	0	"	" all day
8	2cu	3cu	0	1.7	3sw	3w	1w	slight	
9	1cu	2cu	2cu	1.7	3w	3w	1w	"	
10	1cu-ci	4st-cu	0	1.7	1sw	3w	1w	light	
11	0	0	0	0.0	2n	2ne	2n	"	
12	0	0	0	0.0	2n	4ne	3n	slight	
13	0	0	0	0.0	2nw	2ne	1n	light	
14	0	0	0	0.0	1nw	2ne	0	"	
15	0	0	0	0.0	1nw	2n	0	"	
16	0	0	0	0.0	5sw	3sw	1sw	slight	
17	0	2st	0	0.7	3sw	3sw	0	"	
18	0	0	0	0.0	2sw	1n	1n	calm	
19	0	0	0	0.0	2sw	2sw	2sw	light	
20	0	0	3cu	1.0	4sw	4sw	4sw	slight	W. all day
21	3cu-st	3cu	0	2.0	4sw	3sw	0	mod.	W. p.m.
22	0	0	1cu	0.3	2w	2w	0	light	
23	0	0	0	0.0	2sw	2sw	2w	"	Good visibility
24	1st	0	0	0.3	3sw	2sw	1sw	"	
25	1cu	0	2cu	1.0	2sw	2sw	1sw	light	
26	1cu	0	0	0.3	3sw	2sw	1sw	"	
27	1cu	0	7st-cu	2.7	3sw	2w	1sw	"	
28	0	0	8st	2.7	1sw	2nw	1w	"	
29	0	0	3cu	1.0	2sw	2nw	1w	"	
30	0	0	0	0.0	1sw	1sw	1sw	"	
31									
				0.76					

Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	0	0	0	0	19	5	4	0	30
14:30	2	6	0	0	0	12	8	2	0	30
20:30	4	2	0	0	0	9	9	0	6	30
Total	8	8	0	0	0	40	22	6	6	90

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 0.79

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JULY 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

JULY 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	56.4	55.3	55.2	55.6	31.6	23.1	28.4	30.4	25.8	28.2
2	54.4	53.7	53.9	54.0	32.1	22 8	28.3	31.8	25.5	28.5
3	54.3	54.6	54.4	54.4	31.4	24.4	28.9	30.4	24.9	28.1
4	54.4	54.4	54.3	54.3	31.4	23.2	28.8	30.6	24.9	28.1
5	54.3	54.2	54.4	54.3	31.2	23.8	28.3	31.1	25.1	28.2
6	54.5	54.3	54.5	54.4	33.0	23.9	28.3	31.5	26.1	28.6
7	54.4	53.7	54.3	54.1	31.8	23.9	28.3	31.1	25.4	28.3
8	53.9	53.9	54.2	54.0	32.0	24.1	28.8	31.6	26.4	28.9
9	53.1	52.7	52.7	52.8	31.4	24.9	28.9	31.4	26.0	28.8
10	51.6	51.1	51.9	51.5	31.0	24.4	28.8	29.9	26.5	28.4
11	52.5	53.1	53.8	53.1	31.8	23.8	28.8	29.9	24.9	27.9
12	54.7	54.5	55.5	54.9	31.1	23.5	28.3	30.0	25.9	28.1
13	56.5	56.2	56.2	56.3	31.3	23.3	28.8	31.1	25.4	28.4
14	55.2	54.5	54.1	54.6	31.2	23.3	28.3	30.9	25.1	28.1
15	53.7	53.4	53.7	53.6	31.6	23 4	28.3	31.1	26.6	28.7
16	54.6	54.5	54.9	54.6	32.0	23.6	28.2	31.6	26.6	28.8
17	54.6	54.5	55.0	54.7	32.2	23.6	29.4	31.9	26.6	29.3
18	54.5	54.3	54.6	54.4	31.8	25.1	28.8	31.1	26.8	28.9
19	54.0	53.2	53.2	53 4	32.1	24.0	29.9	32.2	26.6	29.6
20	52.9	52.7	52.7	52.7	32.0	24.6	29.4	31.6	26.9	29.3
21	52.9	53.1	53.3	53.1	32.1	23.8	28.8	31.3	26.5	28.9
22	54.0	53.7	54.0	53.9	31.5	23.9	28.8	31.1	26.5	28.8
23	54.3	54.6	54.1	54.3	30.9	22.2	27.2	29.9	26.6	27.9
24	54.4	53.3	53.2	53.6	31.0	24.0	27.7	30.5	25.8	28.0
25	53.0	52.8	52.1	52.6	32.0	25.0	28.8	31.1	26.4	28.8
26	51.9	51.7	51.5	51.7	32.1	23.9	29.1	31.6	26.6	29.1
27	51.6	51.4	51.7	51.5	32.1	24.4	29.4	31.1	26.7	29.1
28	52.2	52.2	52.2	52.2	32.5	23.8	29.4	31.3	26.6	29.1
29	52.4	52.9	53.5	52.9	32.1	23.3	28.6	31.1	26.1	28.6
30	54.4	54.8	54.7	54.6	31.9	23.4	28.3	31.1	26.1	28.5
31	55.1	55.3	55.6	55 3	31.8	22 8	28.3	30.9	26.1	28.4
	53.89	53.70	53.85	53.80	31.74	23.78	28.66	31.04	26.07	28.59

Barometer, range for month 756.4 mm. — 751.1 mm.
,, 71-yr. average for month 755.46 mm.
Thermometer, range for month 32.5°C —22.2°C
,, 71-yr. average for month 28.02°C.
Rain total for month 0.00 mm.
,, 71-yrs. average for month 0.44 mm.
,, Total, Sept. 1st. to end of month 779.78 mm.
,, 71-yr. average, Sept. 1st. to end of month 891.85 mm

JULY 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	24.0	25.8	24.1	24.6	63	59	74	65	12.8	143	
2	27.1	26.3	25.5	26.3	70	57	78	68	11.7	148	
3	25.7	25.8	23.3	24.9	65	59	74	66	12.6	172	
4	25.7	27.2	27.3	26.7	64	62	86	71	12.5	288	
5	27.5	26.8	26.0	26.7	68	60	81	70	12.4	80	
6	27.5	26.3	23.7	25.8	72	57	70	66	12.5	74	
7	26.1	28.3	26.2	26.8	68	62	81	70	12.7	386	
8	27.1	29.4	28.6	28.3	68	63	84	72	12.8	402	
9	27.8	26.5	29.3	27.8	69	61	86	72	12.4	439	
10	24.9	26.9	23.9	25.2	62	72	69	68	11.4	451	
11	24.2	23.3	23.3	23.6	61	55	72	63	11.1	151	
12	21.9	25.5	25.1	24.1	58	60	74	64	11.2	43	
13	24.2	23.9	23.5	23.8	61	53	73	62	12.7	77	
14	24.7	25.3	26.0	25.3	64	57	82	64	12.6	193	
15	26.1	27.6	26.5	26.7	67	61	79	69	12.5	143	
16	26.1	25.5	26.0	25.8	68	57	75	67	12.8	50	
17	25.2	27.9	26.0	26.3	61	60	74	65	12.8	69	
18	25.7	25.3	25.3	25.4	64	56	74	65	12.2	410	
19	26.9	29.0	27.4	27.7	65	60	79	68	12.3	435	
20	26.7	27.9	24 6	26.4	65	59	70	65	12.0	327	
21	27.1	28.3	27.4	27.6	68	63	78	70	11.7	246	
22	24.2	25.3	27.4	25.6	62	56	79	66	12.1	433	
23	21.5	20.6	27.4	23.1	59	49	79	62	12.3	386	
24	19 1	21.5	22.1	20.9	52	49	68	56	13.1	418	
25	25.7	26.8	25.1	25.8	64	59	75	66	12.0	360	
26	26.4	27.9	28.2	27.5	67	59	80	69	11.9	509	
27	26.7	28.3	28.2	27.7	64	63	80	69	12.7	105	
28	28.1	27.6	28.2	27.9	67	61	82	70	12.3	227	
29	25.4	26.8	25.1	25.8	67	59	75	67	12.4	208	
30	25.6	27.6	27.2	26.8	67	61	80	69	12.7	259	
31	26.1	26.1	25.1	25.7	67	59	75	67	12.2	270	
	25.52	26.37	25.90	25.89	64.7	58.7	77.0	66.8	12.30	256.1	0.00

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.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

JULY 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	0:30	Mean	8:30	14:30	20:30		
1	0	0	6st	2.0	2sw	2sw	1sw	light	
2	3st	2st-cu	0	1.7	2sw	2w	1w	,,	
3	2cu-ci	0	0	0.7	3sw	2sw	2sw	,,	
4	0	3cu-ci	0	1.0	3sw	3sw	1sw	slight	
5	1cu-ci	0	0	0.3	3sw	2sw	0	light	
6	0	0	0	0.0	1sw	1w	1sw	,,	
7	0	0	0	0.0	3sw	2sw	2sw	slight	
8	0	0	0	0.0	3sw	2sw	1sw	light	
9	0	0	0	0.0	2sw	2sw	1sw	,,	
10	0	5cu-ci	5cu	3.3	3sw	3sw	3sw	slight	
11	1cu-ci	0	0	0.3	3sw	2sw	1sw	,,	
12	0	0	3cu	1.0	1nw	0	1ne	light	
13	0	0	3cu	1.0	1w	1w	1w	,,	
14	1ci	3ci-cu	2cu	2.0	3sw	3sw	1sw	slight	
15	1ci	0	0	0.3	1sw	1sw	0	light	
16	1cu	0	0	0.3	2sw	1sw	0	calm	
17	0	0	0	0.0	1w	1w	1sw	light	
18	1ci	1ci	0	0.7	3sw	3sw	2sw	slight	
19	1cu-ci	1cu	3st	1.7	1sw	1sw	2sw	,,	
20	0	1cu	0	0.3	3sw	2sw	3sw	light	
21	1cu	1cu	0	0.7	2sw	2sw	2sw	slight	
22	0	0	0	0.0	1sw	1w	1sw	,,	
23	1cu	0	0	0.3	1w	1sw	1sw	light	
24	1ci	0	1cu	0.7	1sw	1sw	2sw	,,	
25	1cu	0	0	0.3	2sw	1sw	2sw	light	
26	0	0	3st	2.0	2sw	1sw	0	,,	
27	1ci	1ci	0	0.7	1w	1n	1n	calm	
28	0	0	0	0.0	1sw	1sw	0	,,	
29	0	0	0	0.0	2sw	1sw	0	,,	
30	0	0	0	0.0	2sw	2w	0	light	
31	0	0	0	0.0	2sw	1w	1w	light	
				0.69					

Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	0	0	0	26	4	0	0	31
14:30	2	0	0	0	0	22	7	0	0	31
20:30	1	1	0	0	0	19	3	0	7	31
Total	3	2	0	0	0	67	14	0	7	93

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 0.17

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

AUGUST 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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NOV 25 1955
WEATHER BUREAU

AUGUST 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.6	55.3	54.9	55.2	32.2	23.8	28.3	31.1	26.3	28.6
2	54.6	53.7	54.1	54.1	32.2	23.9	28.8	31.7	26.6	29.0
3	54.4	52.8	53.1	53.4	32.5	24.3	29.8	31.7	26.8	29.4
4	52.7	52.3	52.7	52.5	32.5	24.2	28.7	32.3	26.6	29.2
5	53.5	53.7	53.7	53.6	32.8	24.4	28.8	32.1	26.7	29.2
6	54.5	54.6	54.3	54.4	32.3	24.2	30.0	32.1	26.6	29.6
7	54.4	54.3	54.8	54.5	31.9	23.2	28.8	31.3	26.1	28.7
8	55.3	55.6	55.6	55.5	37.7	23.1	28.3	31.3	26.0	28.5
9	57.0	55.7	55.7	56.1	31.9	23.1	28.2	30.9	26.1	28.4
10	54.8	54.4	54.1	54.4	31.9	24.9	28.1	31.6	26.5	28.7
11	53.2	52.7	53.0	52.9	31.8	24.9	28.8	31.7	26.6	29.0
12	52.6	52.9	53.4	52.9	32.0	23.6	29.4	31.1	26.0	28.8
13	54.3	53.0	53.9	53.7	32.0	24.3	28.3	31.6	25.9	28.6
14	56.5	56.5	57.0	56.6	32.6	23.5	28.3	32.2	26.2	28.9
15	57.1	56.5	56.7	56.7	30.9	22.2	28.7	30.2	25.5	28.1
16	56.2	55.2	55.5	55.6	31.1	23.8	27.8	31.1	25.8	28.2
17	55.2	54.7	54.6	54.8	31.0	22.7	27.2	31.0	25.2	27.8
18	54.9	55.2	55.4	55.1	31.2	22.9	27.7	30.6	25.8	28.0
19	56.0	55.6	53.1	54.9	32.2	24.4	27.7	30.5	24.7	27.6
20	56.1	55.2	57.0	56.1	30.8	24.3	27.2	30.7	25.8	28.4
21	55.5	56.1	56.8	56.1	31.5	24.3	28.7	31.2	24.4	28.1
22	56.3	55.3	55.9	55.8	32.3	23.4	28.3	27.9	26.3	27.5
23	55.7	55.1	55.0	55.2	32.0	24.3	28.6	31.7	26.4	28.9
24	54.9	54.5	54.2	54.5	32.0	24.2	28.3	31.8	28.8	29.6
25	54.6	54.3	54.9	54.6	32.5	24.3	28.9	32.1	26.1	29.0
26	55.3	54.7	54.9	54.9	31.5	25.0	28.3	31.1	26.9	28.8
27	55.3	55.1	55.1	55.1	32.1	24.6	28.9	31.7	26.2	28.9
28	55.6	55.1	56.2	55.8	32.2	24.3	28.8	30.9	26.4	28.7
29	56.6	56.8	57.1	56.8	32.0	24.5	28.6	30.8	26.3	28.6
30	57.4	57.0	57.2	57.2	31.6	24.6	28.3	31.2	26.3	28.6
31	56.9	55.6	55.6	56.0	31.9	24.0	28.3	31.2	26.4	28.6
	55.26	54.82	55.02	55.00	32.10	23.97	28.48	31.29	26.20	28.65

Barometer, range for month 757.4 mm. — 752.3 mm.

,, 71-yr. average for month 756.00 mm.

Thermometer, range for month 32.8°C — 22.2°C

,, 71-yr. average for month 28.57°C.

Rain total for month 0.00 mm.

,, 71-yrs average for month 0.45 mm.

,, Tolal, Sept. 1st. to end of month 779.78 mm.

,, 71-yr. average, Sept. 1st. to end of month 892.30 mm

AUGUST 1950

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	25.4	25.3	24.4	25.0	66	56	73	65	12.6	410	
2	25.7	27.9	28.2	27.3	64	59	80	68	12.1	105	
3	27.7	27.9	28.2	27.9	65	59	81	68	12.5	79	
4	27.8	29.7	26.7	28.1	70	63	78	70	12.7	320	
5	27.1	29.0	28.2	28.1	68	60	81	70	12.1	443	
6	25.5	25.2	28.2	26.3	60	52	80	64	12.2	290	
7	24.9	23.2	20.4	22.8	63	51	60	58	12.6	220	
8	24.0	21.7	21.1	22.3	62	48	62	57	12.7	243	
9	18.6	19.7	21.1	19.8	48	44	62	51	12.4	290	
10	21.9	26.3	26.0	24.7	56	56	74	62	12.2	539	
11	24.9	28.6	27.4	27.0	63	61	79	68	12.0	674	
12	25.2	25.3	25.7	25.4	61	56	75	64	12.2	555	
13	22.6	27.1	25.7	25.1	58	57	76	64	12.4	60	
14	21.9	21.6	22.4	22.0	57	45	66	56	12.5	108	
15	22.8	20.6	21.5	21.6	57	49	66	57	12.4	212	
16	27.8	31.1	25.8	28.2	56	52	73	60	12.2	35	
17	27.2	31.0	25.2	27.8	57	50	72	60	12.3	127	
18	27.7	30.6	25.8	28.0	59	52	71	61	12.1	93	
19	25.1	23.6	24.4	24.4	67	54	81	67	12.3	93	
20	27.0	22.3	26.2	25.2	74	47	80	67	10.9	98	
21	22.8	29.9	22.4	25.0	58	67	72	66	11.8	40	
22	28.3	31.7	27.9	29.3	74	85	83	81	12.0	156	
23	27.5	28.6	27.2	27.8	72	62	81	71	12.0	76	
24	26.8	27.9	24.2	26.3	70	59	61	67	11.9	31	
25	24.2	23.7	23.7	23.9	61	49	69	60	12.0	24	
26	24.7	26.8	27.4	26.3	64	59	78	67	11.6	37	
27	28.6	25.6	26.5	26.9	72	55	78	68	11.7	31	
28	28.6	28.3	27.9	28.3	71	63	83	72	11.8	26	
29	26.8	27.2	27.9	27.3	70	63	83	72	11.7	18	
30	29.0	29.9	27.2	28.7	74	65	81	73	11.6	48	
31	29.0	26.8	25.1	26.9	74	59	75	70	11.6	53	
	25.71	26.59	25.48	25.93	64.2	56.7	74.6	65.2	12.10	178.5	0.00

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

AUGUST 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1sw	1sw	1sw	light	
2	1cu	0	0	0.3	2sw	2w	0	,,	
3	0	0	0	0.0	1sw	1w	0	calm	
4	0	1cu	0	0.3	1sw	1sw	1sw	light	
5	0	0	0	0.0	1sw	2sw	1sw	,,	
6	1cu	0	0	0.3	1sw	2sw	1sw	,,	
7	1cu	0	0	0.3	2sw	1sw	1w	,,	
8	0	1ci	0	0.3	1sw	2sw	1sw	,,	
9	1ci	1ci	0	0.7	2sw	2sw	1sw	,,	
10	1ci	0	0	0.3	2sw	1sw	1sw	,,	
11	1cu	0	0	0.3	2sw	1sw	3sw	mod.	
12	1cu	0	0	0.3	2sw	1sw	2sw	light	
13	1ci	0	0	0.3	1sw	1sw	1sw	,,	
14	0	0	0	0.0	1sw	1sw	1sw	,,	
15	0	0	3st	1.0	1sw	1w	2sw	,,	
16	0	1ci	2st	1.0	1sw	1sw	1sw	,,	
17	2cu-ci	0	2st	1.3	1sw	1sw	1sw	,,	
18	0	0	0	0.0	1sw	1sw	1sw	,,	
19	1cu	0	0	0.3	1sw	1w	1sw	,,	
20	3cu	1cu	0	1.3	1sw	1sw	1sw	calm	
21	0	2cu	0	0.7	1sw	2sw	1sw	,,	
22	0	0	3cu	1.0	2sw	2sw	1sw	light	
23	1cu	0	0	0.3	1sw	1nw	0	,,	
24	0	0	0	0.0	1w	1sw	0	,,	
25	0	1cu	0	0.3	2sw	1sw	0	,,	
26	0	0	0	0.0	1n	1n	2w	,,	
27	0	2cu-st	0	0.7	1sw	2n	1ne	,,	
28	1cu-ci	0	0	0.3	2sw	2sw	2sw	,,	
29	1cu	1cu	0	0.7	2sw	2sw	1sw	,,	
30	1cu-st	0	0	0.3	1nw	1n	2n	,,	
31	1cu-st	0	0	0.3	1sw	1nw	1nw	,,	
				0.42					

Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	0	0	0	0	28	1	1	0	31
14:30	3	0	0	0	0	22	4	2	0	31
20:30	1	1	0	0	0	21	2	1	5	31
Total	5	1	0	0	0	71	7	4	5	93

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 0.18

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

SEPTEMBER 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

SEPTEMBER 1950
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.5	55.3	55.8	55.5	31.5	23.8	28.3	30.4	25.7	28.1
2	56.8	54.7	57.6	56.4	31.5	23.8	28.8	31.0	26.3	28.7
3	58.2	57.9	57.9	58.0	31.4	24.3	27.8	31.1	26.1	28.3
4	57.5	56.9	57.2	57.2	31.7	23.8	28.8	31.3	26.0	28.7
5	56.6	56.4	56.9	56.6	31.0	24.3	27.8	30.8	26.1	28.2
6	57.2	56.4	57.3	57.0	33.8	25.9	28.8	33.8	27.3	30.0
7	57.6	57.6	58.3	57.8	32.2	24.5	29.7	30.5	26.3	28.8
8	58.7	57.7	57.8	58.1	31.2	23.8	27.7	30.3	25.4	27.8
9	57.4	56.6	57.9	57.3	31.1	24.1	28.3	31.1	25.3	28.2
10	57.6	57.3	58.2	57.7	31.9	24.0	28.3	31.9	26.6	28.9
11	58.5	57.7	58.2	58.1	31.9	23.9	28.1	30.6	26.0	28.2
12	57.8	56.8	56.8	57.1	31.8	23.4	28.3	31.3	26.1	28.6
13	56.9	55.5	56.1	56.2	31.3	23.8	28.3	31.1	26.1	28.5
14	55.1	54.2	54.6	54.6	31.1	21.4	28.2	31.0	26.1	28.4
15	55.3	55.0	56.4	55.6	30.2	23.2	21.4	28.7	24.9	25.0
16	57.2	57.3	56.5	57.0	30.9	23.8	27.7	30.8	25.5	28.0
17	59.1	58.7	58.8	58.9	31.5	23.8	28.3	31.1	24.9	28.1
18	59.6	59.0	58.0	58.2	30.6	24.3	28.3	30.3	24.8	27.8
19	57.8	56.4	56.7	57.0	30.1	23.3	27.7	29.3	25.7	27.6
20	56.1	56.0	56.7	56.3	30.3	22.8	27.7	29.3	25.6	27.5
21	57.7	57.8	59.3	58.3	30.7	23.6	27.6	29.9	24.8	27.4
22	60.9	60.4	61.8	61.0	30.7	23.6	28.3	29.8	25.2	27.8
23	61.6	60.4	61.0	61.0	30.0	23.2	27.7	29.4	25.0	27.4
24	60.4	59.8	60.0	60.1	30.1	23.0	27.7	29.4	24.9	27.3
25	59.6	59.1	59.8	59.5	30.1	23.4	27.9	29.4	24.9	27.4
26	61.8	61.3	62.3	61.8	29.9	23.8	27.2	29.4	25.8	27.5
27	62.1	60.5	60.7	61.1	30.1	25.8	27.3	29.7	26.8	27.9
28	60.1	59.3	57.4	58.9	30.0	26.0	27.7	29.8	26.5	28.0
29	58.6	57.8	59.3	58.6	29.1	22.2	27.7	29.1	26.1	27.8
30	59.9	59.7	60.5	60.0	30.2	24.2	27.1	29.6	26.2	27.6
31										
	58.29	57.62	58.20	58.04	30.93	23.83	27.82	30.37	25.77	27.98

Barometer, range for month 762.3 mm. — 754.2 mm.
,, 71-yr. average for month 758.74 mm.
Thermometer, range for month 33.8°C —21.4°C
,, 71-yr. average for month 27.21°C.
Rain, total for month 2.79 mm.
,, 71-yrs. average for month 6.19 mm.
,, Tolal, Sept. 1st. to end of month 2.79 mm.
,, 71-yr. average, Sept. 1st. to end of month 6.19 mm

SEPTEMBER 1950
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	26.1	22.9	20.8	23.3	68	52	64	61	11.0	369.0	
2	22.8	24.6	25.1	24.2	57	55	74	62	11.0	138.0	
3	25.1	28.3	24.4	25.9	67	63	72	67	11.3	18.0	
4	27.1	26.1	25.7	26.3	69	57	76	68	12.1	45.0	
5	28.0	26.8	25.5	26.8	75	61	77	71	11.0	111.0	
6	27.1	23.5	19.8	23.5	69	46	54	58	10.6	330.0	
7	21.7	25.8	25.7	24.4	54	58	77	63	10.4	269.0	
8	25.1	22.9	23.5	23.8	68	52	71	64	9.4	116.0	
9	22.6	26.1	24.1	24.3	58	57	75	63	11.2	84.0	
10	25.4	27.1	26.7	26.4	66	69	77	67	11.2	68.0	
11	27.5	28.8	27.9	28.1	70	65	82	72	8.2	32.0	
12	27.5	27.6	27.9	27.7	70	61	82	71	9.7	93.0	
13	27.5	28.3	26.5	27.4	71	63	78	71	9.5	277.0	
14	26.1	26.1	23.0	25.1	68	57	67	64	7.7	328.0	
15	21.9	24.2	23.3	23.1	89	61	73	74	8.8	175.0	2.79
16	23.7	26.5	21.5	23.9	64	61	66	64	9.5	77.0	
17	26.1	26.1	21.9	24.7	67	59	69	65	9.6	259.0	
18	21.9	25.0	21.9	22.9	56	58	70	61	8.2	330.0	
19	23.7	23.0	27.0	24.6	64	55	82	67	8.0	55.0	
20	21.7	22.1	22.5	22.1	59	53	69	60	8.1	90.0	
21	21.0	21.3	20.9	21.1	57	50	66	58	8.0	66.0	
22	23.3	20.5	22.2	22.0	60	49	69	58	8.4	143.0	
23	22.4	25.2	21.9	23.2	59	61	69	63	8.6	109.0	
24	21.0	25.2	21.8	22.7	56	61	69	62	8.8	101.0	
25	22.4	25.5	24.4	24.1	59	62	78	68	8.9	80.0	
26	25.6	25.5	23.3	24.8	70	62	70	67	9.1	304.0	
27	26.3	27.5	29.9	27.9	74	70	85	76	7.3	491.0	
28	29.5	29.5	30.8	29.9	79	70	89	79	2.2	227.0	
29	28.0	27.0	30.7	28.6	74	67	91	77	3.3	161.0	
30	18.9	26.7	23.3	23.0	52	65	69	62	5.4	615.0	
31											
	24.57	25.52	24.46	24.93	65.6	59.0	73.3	66.1	8.88	185.37	0.09

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

SEPTEMBER 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu-st	0	4cu	2.7	3sw	3sw	1sw	slight	
2	2cu	2cu	0	1.3	1sw	3sw	1sw	light	
3	0	0	0	0.0	1sw	1nw	1sw	,,	
4	4cu	2cu-ci	1cu-st	2.3	1sw	2sw	0	,,	D. a.m.
5	3cu	3cu-ci	0	2.0	1s	1sw	1sw	light	D. a.m.
6	0	0	0	0.0	1sw	2sw	2n	,,	
7	0	0	0	0.0	4ne	4ne	2ne	mod.	
8	3cu	0	3cu	2.0	1w	2sw	1sw	light	
9	1cu	3cu	0	1.3	1sw	1sw	0	,,	
10	0	3cu	6cu	3.0	1sw	1sw	2sw	light	
11	1cu-st	3cu	2cu-st	2.0	1sw	1w	1sw	,,	
12	0	0	0	0.0	1sw	3sw	1w	,,	
13	2cu	0	0	0.7	1sw	3sw	2sw	,,	
14	1cu	3cu	5cu	3.0	2sw	3nw	3sw	,,	
15	9cu-ni	7cu	8cu	6.3	7nw	4sw	1sw	light	Thunder a.m, W,
16	0	2cu	8cu	1.7	1sw	1w	2sw	,,	
17	0	0	0	0.0	1sw	1n	1sw	,,	
18	0	0	0	0.0	1sw	2n	3n	slight	
19	4st-cu	4cu-st	8st	5.3	1sw	1n	0	calm	
20	3cu	5cu	8cu	4.7	1sw	2sw	2sw	light	
21	2cu	5cu-si	2cu	2.3	1sw	1w	1sw	,,	
22	6cu	2cu	8cu-ci	3.7	2sw	3w	0	,,	
23	0	1cu-ci	1cu	0.7	1nw	2ne	1ne	,,	
24	1cu	0	3cu	1.3	1sw	2ne	1ne	,,	
25	0	0	0	0.0	1sw	1ne	1s	light	
26	1st	0	0	0.3	1sw	1n	1n	,,	
27	0	1cu	10st-cu	3.7	3ne	4ne	3ne	mod.	
28	10cu-st	4cu	8ci-st	7.3	1sw	1sw	3n	light	
29	10cu	9cu	9st-cu	9.3	1sw	1sw	0	,,	
30	1cu	4cu-ci	1cu	2.0	1sw	4sw	3w	,,	
31									
				2.30					

Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	2	0	0	1	24	1	2	0	30
14:30	4	5	0	0	0	15	4	2	0	30
20:30	4	4	0	0	1	14	2	0	5	30
Total	8	11	0	0	2	53	7	4	5	90

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

71 yr. av. number of days with rain during month 1.13

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

LIBRARY
NOV 25 1955
WEATHER BUREAU

OCTOBER 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.0	60.1	60.0	60.7	30.4	21.6	27.7	30.4	27.8	28.6
2	55.9	59.3	60.0	58.4	27.6	21.2	26.1	25.6	22.2	24.6
3	60.2	59.5	60.4	60.0	28.6	22.5	25.5	28.3	23.9	25.9
4	60.8	60.2	60.9	60.6	28.2	23.3	25.6	28.1	24.4	26.0
5	61.3	60.6	61.2	61.0	28.7	22.8	25.6	27.9	24.3	25.9
6	60.3	59.2	58.8	59.4	28.0	18.6	25.5	27.8	24.4	25.9
7	56.9	55.6	54.8	55.8	26.3	18.5	23.3	26.2	23.5	24.3
8	56.8	57.8	59.5	58.0	25.2	18.9	22.1	25.0	20.5	22.5
9	60.6	59.5	60.0	60.0	26.0	20.5	22.2	25.9	22.0	23.4
10	61.0	61.1	62.3	61.5	27.4	21.5	23.9	26.9	22.2	24.3
11	62.2	60.5	62.5	61.7	29.0	22.3	25.4	29.0	24.8	26.7
12	63.2	61.5	61.1	61.9	28.5	21.6	24.9	25.6	23.4	24.6
13	61.2	59.8	60.1	60.4	27.0	20.8	24.4	27.0	22.7	24.7
14	60.2	59.6	60.1	60.0	26.5	20.0	23.4	26.2	21.7	23.8
15	60.5	60.5	61.0	60.7	25.7	19.8	23.4	23.9	21.8	23.0
16	61.4	61.2	62.2	61.6	24.9	18.6	22.1	23.9	21.2	22.4
17	62.3	61.0	60.5	61.3	24.8	20.3	21.0	24.6	22.8	22.8
18	59.5	58.0	57.8	58.4	26.6	21.7	23.4	26.3	23.6	24.4
19	58.1	57.2	57.3	57.5	27.3	20.3	23.9	26 2	22.5	24.2
20	58.7	57.6	57.9	58.1	25.0	19.7	21.0	24.1	21.2	22.1
21	57.6	58.6	59.6	58.6	24.0	16.2	23.3	18.3	16.6	19.4
22	61.4	61.7	62.8	62.0	23.0	17.4	19.6	22.3	18.6	20.2
23	62.9	62.1	63.3	62.8	24.0	17.4	21.3	23.3	20.7	21.8
24	63.9	63.0	63.1	63.3	22.9	19.4	20.4	22.2	21.1	21.2
25	62.5	61.0	61.5	61.7	26.2	22.2	22.3	25.7	23.7	23.9
26	61.9	61.7	62.8	61.1	26.6	20.8	25.5	26.1	21.8	24.5
27	63.5	62.3	61.8	62.5	25.6	19.5	23.3	25.2	21.9	23.5
28	61.8	60.9	61.4	61.4	24.9	20.8	22.3	24.4	22.4	23.0
29	61.9	60.2	60.7	60.9	24.9	21.0	22.4	24.4	23.0	23.3
30	62.8	62.2	62.6	62.5	25.6	20.0	22 4	25.6	21.5	23.2
31	62.5	61.6	61.7	61.9	24.6	19.9	21.7	24.1	21.6	22.5
	60.83	60.16	60.64	60.51	26.26	20.30	23.38	25.48	22.38	23.76

Barometer, range for month 763.9 mm. — 754.8 mm.
,, 71-yr. average for month 761.31 mm.
Thermometer, range for month 30.4°C —16.2°C
,, 71-yr. average for month 24.51°C.
Rain total for month 91.43 mm.
,, 71-yrs average for month 50.02 mm.
,, Tolal, Sept. 1st. to end of month 94 22 mm
,, 71-yr. average, Sept. 1st. to end of month 56.21 mm

OCTOBER 1950
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:50	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	23.7	26.4	25.1	25.1	63	60	67	63	8.7	418.0	
2	22 4	24.2	22.6	23.1	66	74	84	75	7.2	238.0	26.16
3	22.8	31.8	23.3	26.0	70	82	78	77	8.5	32.0	
4	26.2	25.3	26.5	26.0	80	67	87	78	9.1	37.0	
5	24.1	24.9	22.8	23.9	75	67	75	72	7.8	32 0	
6	24.1	23.6	20.6	22.8	74	64	67	68	6.1	138.0	
7	20.5	18.4	22.7	20.5	71	54	76	67	3.6	531.0	32.00
8	17.0	15.5	13.7	15.4	64	49	56	58	9.2	161.0	2.79
9	13.5	14.8	12.3	13.5	50	45	47	47	9.4	217.0	
10	16.6	20.1	14.0	16.9	56	57	50	54	8.7	251.0	
11	20.1	21.8	20.4	20.8	62	54	65	60	7.2	322.0	0.25
12	21.1	23.5	22.2	22.3	67	67	77	70	6.8	264.0	
13	21.1	20.6	19.0	20.2	69	57	69	65	8.2	293.0	
14	19.2	17.2	18.4	18.3	66	51	71	63	8.8	283.0	
15	15.9	20.3	17.5	17.9	56	66	67	63	7.0	272.0	
16	15.6	17.7	15.3	16.2	59	60	61	60	7.3	367.0	
17	11.1	14.1	14.0	13.1	45	45	50	47	9.0	483.0	
18	16.5	21.9	20.5	19.6	60	61	70	64	9.4	315.0	
19	16.5	22.3	22.0	20.3	56	66	81	68	9.1	175.0	
20	22.4	21.2	18.8	20.8	91	71	79	80	3.1	187.0	5.85
21	15.9	19.7	15.8	17.1	56	94	84	78	2.8	460.0	12.70
22	15.0	15.1	14.7	14.9	66	57	69	64	6.9	496.0	11.68
23	16.4	17.3	18.1	17.3	65	60	74	68	7.3	290.0	
24	14.0	12.3	11.3	12.5	57	46	45	49	9.2	579.0	
25	14.3	16.0	10.8	13.7	53	47	36	45	9.5	515.0	
26	10.0	16.2	16.3	14.2	30	48	63	47	9.6	208.0	
27	15.9	21.5	19.7	19.0	56	67	74	66	9.7	163.0	
28	18.6	18.4	20.4	19.1	70	60	75	68	7.0	158.0	
29	14.3	21.8	18.4	18.2	53	71	65	63	8.6	311.0	
30	15.3	19.2	22.0	18.8	57	59	86	67	7.3	192.0	
31	15.0	18.1	18.9	17.3	58	61	72	64	6.7	92.0	
	17.91	20.04	18.65	18.87	62.0	60.9	68.4	63.8	7.70	273.87	2.95

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

OCTOBER 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	4cu-st	1.3	2sw	2sw	1sw	light	
2	8cu-ni	4cu	8ni	6.7	1s	3sw	2sw	,,	
3	2cu	1cu-st	5cu-ni	2.7	1s	1w	1w	,,	
4	1cu	0	0	0.3	1s	1nw	1s	,,	
5	3cu	3cu	0	2.0	1sw	1nw	1nw	light	
6	9cu-ni	4cu	4cu	5.7	1w	2w	2sw	,,	Tr. a.m.
7	7cu-ni	5cu-ci	10cu-ni	7.3	4sw	4sw	5nw	mod.	T. a.m. W. all day
8	3cu	0	0	1.0	1se	1ne	2nw	slight	Excellent visibility
9	0	0	1cu	0.3	1e	1ne	1n	light	,, ,,
10	0	0	0	0.0	1sw	1w	1sw	light	,, ,,
11	9cu-st	1cu	0	3.3	2ne	3ne	2ne	slight	W. p.m.
12	4ci	8cu-st	0	4.0	1e	3ne	1e	light	
13	4cu	1cu	3cu	2.7	3sw	1sw	1sw	,,	
14	5cu	0	3cu	2.7	2sw	2sw	1sw	slight	
15	3cu	6cu-ni	0	3.0	1sw	2sw	2sw	slight	
16	6cu	2cu	0	2.7	2sw	2n	4n	,,	W. all day
17	0	0	0	0.0	3ne	2ne	4ne	,,	Excellent visibility
18	0	0	0	0.0	1sw	1ne	3ne	light	
19	5ci	0	3cu	2.7	1sw	1w	1w	,,	
20	10ni	9cu	4ci	7.7	1s	1nw	1w	light	
21	3st-cu	10-ni	10ni	7.7	3sw	2sw	2nw	slight	
22	5cu	1cu	0	2.0	4nw	1w	2ne	,,	
23	3cu	6cu-ci	6cu	5.0	1se	1w	3n	light	
24	0	0	0	0.0	2ne	3ne	4ne	slight	
25	0	0	5ci	1.7	1se	4ne	2ne	slight	
26	0	0	5ci	1.7	1se	2ne	1nw	light	
27	0	0	0	0.0	1sw	1n	1ne	calm	
28	10st	0	0	3.3	0	2ne	1ne	light	H.a.m. M. over sea
29	1ci	7ci	0	2.7	1ne	3ne	3ne	slight	
30	4ci	7ci	5ci	5.3	0	1ne	2ne	light	
31	9ci-st	4ci	0	4.3	0	1ne	0	light	
				2.90					

Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	4	2	4	4	12	1	1	3	31
14:30	2	13	0	0	0	7	6	3	0	31
20:30	3	10	1	0	1	7	3	5	1	31
Total	5	27	3	4	5	26	10	9	4	93

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

71 yr. av. number of days with rain during month 3.84

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

NOVEMBER 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

NOVEMBER 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.9	59.7	58.1	59.6	25.0	20.5	22.4	24.3	22.8	23.2
2	62.0	61.5	62.1	61.9	23.9	18.4	21.8	23.2	19.6	21.5
3	62.6	61.6	61.9	62.0	24.0	18.3	21.5	22.8	20.8	21.7
4	62.0	61.5	61.7	61.7	23.2	18.4	20.5	22.4	21.0	21.3
5	62.0	61.0	61.3	61.4	23.1	19.2	20.7	22.5	20.9	21.4
6	61.9	60.8	61.4	61.4	24.1	19.7	21.5	23.5	21.0	22.0
7	61.9	60.7	60.9	61.2	24.4	18.9	22.4	23.6	20.8	22.3
8	61.4	59.8	60.0	60.4	23.0	19.5	21.2	22.6	20.5	21.4
9	60.8	60.2	61.3	60.8	22.6	18.9	21.5	22.2	20.5	21.4
10	62.4	61.3	62.4	62.0	20.9	18.1	19.4	20.1	18.7	19.4
11	62.3	60.6	60.5	61.1	22.9	18.4	20.2	22.5	21.1	21.3
12	61.1	60.2	60.3	60.5	23.6	19.8	21.3	23.3	20.5	21.7
13	60.1	59.1	60.7	60.0	24.0	16.8	21.5	23.7	21.7	22.3
14	63.3	61.2	62.3	62.3	20.5	15.6	16.8	20.2	18.3	18.4
15	62.0	60.3	60.1	60.8	21.6	14.9	18.6	21.1	20.0	19.9
16	60.4	61.2	61.9	61.2	19.3	13.9	16.4	17.3	18.9	17.5
17	62.3	61.5	60.0	61.3	21.3	15.3	18.8	20.7	16.8	18.8
18	64.2	63.6	64.0	63.9	20.8	16.4	17.8	20.5	18.2	18.8
19	642.	63.1	63.3	63.5	20.6	16.7	18.5	20.2	17.2	18.6
20	62.7	61.2	60.8	61.6	20.8	17.7	18.1	20.5	18.5	19.0
21	59.9	59.3	59.7	59.6	22.8	19.1	20.5	22.4	22.2	21.7
22	61.5	60.7	60.7	61.0	22.4	16.9	20.9	21.7	18.9	20.5
23	61.0	60.9	61.5	61.1	21.2	16.6	18.6	20.0	18.2	18.9
24	61.6	61.0	61.5	61.4	20.6	15.6	17.8	20.2	18.2	18.7
25	62.8	61.8	62.7	62.8	20.9	14.3	17.8	20.5	17.2	18.5
26	63.4	62.7	63.5	63.2	20.2	15.9	16.7	18.6	16.5	17.3
27	63.9	63.6	64.2	63.9	20.5	15.8	17.4	20.1	16.5	18.0
28	64.2	63.0	62.7	63.3	21.6	14.8	19.7	20.1	17.8	19.2
29	61.3	60.0	59.8	60.4	20.4	14.6	15.2	16.1	16.5	16.0
30	59.3	59.8	60.8	60.0	19.2	13.6	17.8	14.6	14.7	15.7
31										
	61.98	61.09	61.40	61.51	21.98	17.09	19.44	21.05	19.15	19.88

Barometer, range for month 764.2 mm. — 758.1 mm.
,, 71-yr. average for month 762.63 mm.
Thermometer, range for month 25.0°C —13.6°C
,, 71-yr. average for month 19.85°C.
Rain total for month 44.70 mm.
,, 71-yrs average for month 132.61 mm.
,, Total, Sept. 1st. to end of month 138.94 mm.
,, 71-yr. average, Sept. 1st. to end of month 188.82 mm

NOVEMBER 1950
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	18.0	20.5	19.9	19.5	66	67	71	68	9.2	105.0	
2	16.3	17.1	15.6	16.3	62	60	71	64	9.0	129.0	
3	13.9	19.9	17.6	17.1	54	72	72	66	8.7	175.0	
4	18.0	18.0	19.5	18.5	75	68	77	73	6.8	158.0	
5	17.6	20.5	18.9	19.0	72	74	79	75	9.5	240.0	
6	21.4	21.4	22.5	21.8	84	74	91	83	8.9	142.0	
7	22.6	24.1	22.9	23.2	83	82	95	87	9.2	90.0	
8	21.3	22.4	19.9	21.2	85	80	82	82	8.1	47.0	
9	20.8	19.2	19.3	19.8	81	71	79	77	7.8	80.0	
10	19.5	20.9	17.2	19.2	87	90	80	86	3.1	101.0	3.05
11	17.0	20.5	16.5	18.0	72	74	67	71	7.1	122.0	1.02
12	17.7	19.5	20.5	19.2	71	69	83	74	9.0	114.0	
13	21.3	23.2	20.2	21.6	84	81	78	81	8.6	109.0	
14	16.8	15.2	15.5	15.8	87	64	74	75	4.8	145.0	9.65
15	15.5	17.7	18.6	17.3	72	72	79	74	9.3	193 0	
16	16.0	16.3	16.1	16.1	85	83	70	79	3.0	163.0	14.22
17	17.0	17.0	17.4	17.1	79	71	87	79	3.2	174.0	7.87
18	13.8	13.8	13.9	13.8	68	60	65	64	7.3	179.0	
19	16.0	16.4	15.3	15.9	77	67	77	74	5.6	103.0	
20	13.6	17.0	12.8	14.5	66	69	62	66	9.1	182.0	
21	14.6	17.4	22.9	15.0	60	66	85	70	8.6	129.0	
22	12.7	18.4	15.0	15.4	53	71	69	64	9.2	130.0	
23	12.1	16.3	14.4	14.3	56	70	67	64	9.4	113.0	
24	11.1	13.6	12.8	12.5	55	59	62	59	5.3	209.0	
25	11.8	10.0	9.7	10.5	58	40	50	49	8.8	261.0	
26	13.4	16.1	12.6	14.0	71	74	67	71	3.0	286.0	0.76
27	15.4	13.1	13.6	14.0	75	56	72	68	7.4	187.0	
28	12.8	18.0	14.8	15.2	56	77	73	69	4.2	238.0	
29	16.2	15.7	14.2	15.4	95	88	75	86	2.0	166.0	6.35
30	13.8	15.4	12.5	13.9	68	94	72	78	1.8	142.0	1.78
31											
	16.26	17.82	16.75	16.84	71.9	71.4	74.3	72.5	6.90	153.73	1.49

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.
Rim of Rain Gauge: above ground 0 56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

NOVEMBER 1950
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	2cu	0.7	0	1nw	2sw	calm	
2	7cu-ci	1cu	0	2.7	2sw	1nw	1nw	light	
3	7cu-ci	7ci	0	4.7	1sw	2n	1n	,,	
4	3ci-cu	8cu-st	2cu	4.3	1sw	2ne	2ne	,,	
5	0	0	0	0.0	1ne	3ne	2ne	,,	
6	2ci	6ci	3cu	3.7	1sw	2w	1w	light	D., a.m. p.m.
7	2cu	0	0	0.7	1sw	1n	1n	calm	,, ,,
8	8ci-cu	3ci-cu	9ci-st	6.7	0	1n	0	,,	,, ,,
9	10st-ci	7ci-st	4ci-cu	7.0	0	1ne	2ne	light	
10	10st-ni	8ni-cu	1cu	6.3	1ne	1ne	1se	calm	
11	1cu	6cu	0	2.3	1e	2ne	1ne	light	
12	2ci	0	0	0.7	1sw	1ne	1e	,,	
13	1cu	4cu	2cu	2.3	1sw	2w	1w	calm	D., a.m.
14	10ni	7cu-ci	1cu	6.0	2sw	1e	1se	light	W. a m.
15	0	0	1cu	0.3	2e	3ne	2ne	slight	Good visibility
16	10ni	9cu-ni	7cu	8.7	1ne	1sw	2sw	slight	Snow on mountains
17	7cu	9cu-ni	3cu	6.3	1se	2sw	1se	light	
18	3cu	3cu	8cu	4.7	2s	2sw	1sw	slight	Tr., a.m.
19	10cu-ni	2cu	2cu	4.7	2w	1w	1n	light	
20	1ci-cu	2ci	0	1.0	2ne	2ne	1ne	,,	
21	1cu	3cu-st	5cu	3.0	1e	1ne	2ne	light	
22	8st-ci	2cu	0	3.3	1se	2ne	1ne	,,	
23	0	0	8ci	2.7	0	1ne	1ne	,,	
24	10st-cu	9st-cu	2cu	7.0	1s	2ne	1ne	slight	Tr., p.m.
25	2ci	3ci	3ci-cu	2.7	2ne	3ne	1ne	,,	
26	8cu-ni	6cu-ni	8ci-cu	6.3	1se	3w	1se	light	
27	6cu	4cu	2ci	4.0	2sw	2w	1ne	,,	
28	10st	3st-cu	6cu	8.0	3sw	3w	1sw	slight	
29	10ni-cu	10cu-ni	5cu	8.3	1se	1n	1n	,,	Tr., p.m.
30	8cu	10-ni	2cu	6.7	1se	1sw	1ne	light	Th., p.m.
31									
				4.19					

Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	5	3	5	2	10	1	0	4	30
14:30	4	13	1	0	0	4	6	2	0	30
20:30	4	13	1	4	0	4	2	1	1	30
Total	8	31	5	9	2	18	9	3	5	90

Number of days with rain 8, fog 0, thunderstorms 1, gale 0.

71 yr. av. number of days with rain during month 9·4

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1950

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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NOV 25 1955
WEATHER BUREAU

DECEMBER 1950

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.5	64.2	64.4	64.0	19.9	14.9	15.9	17.9	16.8	16.9
2	64.4	63.0	62.9	63.4	19.1	16.4	16.7	18.6	17.2	17.5
3	60.8	58.9	61.4	60.4	20.0	13.1	18.2	19.7	17.8	18.6
4	60.0	58.4	58.4	58.9	20.0	12.5	13.3	17.2	12.9	14.5
5	63.5	63.5	62.2	63.1	17.9	13.9	16.0	16.8	15.0	15.9
6	66.1	65.7	65.9	65.9	18.5	14.9	16.1	17.1	16.1	16.4
7	66.9	66.3	68.0	67.1	19.0	15.3	15.9	18.9	17.3	17.4
8	70.6	69.4	70.0	70.0	19.5	15.2	16.7	19.1	16.7	17.5
9	70.8	70.0	69.6	70.1	19.4	15.6	17.2	19.4	16.7	17.8
10	69.5	68.3	67.7	68.5	20.3	15.8	17.5	19.4	17.1	18.0
11	66.9	65.2	65.3	65.8	20.6	16.5	16.7	19.9	17.7	18.1
12	66.1	65.8	66.8	66.2	20.1	15.1	17.6	19.8	16.7	18.0
13	67.8	66.8	67.3	67.3	19.1	15.6	17.2	18.4	16.3	17.3
14	66.9	65.0	64.3	65.4	20.0	16.5	16.9	19.4	17.8	18.0
15	63.5	62.2	62.2	62.6	21.4	12.5	18.2	20.4	14.1	17.6
16	63.2	63.0	63.5	63.2	22.2	17.0	20.3	21.1	19.2	20.2
17	64.8	63.5	63.8	64.0	21.0	16.9	18.7	20.7	17.9	18.8
18	62.9	61.1	61.5	61.8	20.2	16.2	18.3	20.2	17.8	18.8
19	62.8	61.8	62.7	62.4	19.6	13.2	16.8	18.5	15.8	17.0
20	65.0	64.5	65.4	65.0	18.0	13.6	15.6	17.4	15.1	16.0
21	65.4	63.8	63.6	64.3	18.8	13.9	14.4	17.8	16.9	16.4
22	63.3	61.0	61.1	61.8	21.3	16.9	18.8	20.8	20.5	20.0
23	60.8	59.9	60.9	60.5	21.8	15.3	17.3	20.8	19.3	19.1
24	62.8	61.4	63.1	62.4	19.7	15.1	15.7	19.6	18.2	17.8
25	63.0	61.2	61.9	62.0	18.8	13.2	17.1	18.8	16.3	17.4
26	63.0	61.7	62.2	62.3	19.3	14.9	15.0	18.8	17.8	17.2
27	62.8	61.3	61.0	61.7	18.6	13.2	16.1	17.8	15.6	16.5
28	59.6	56.7	55.8	57.4	23.1	15.8	16.3	18.3	16.8	17.1
29	54.1	53.7	55.9	54.6	19.1	11.8	16.1	17.7	16.6	16.1
30	58.4	58.7	60.7	59.3	16.0	12.2	14.7	14.1	13.4	14.1
31	63.2	63.6	64.1	63.6	17.7	13.7	16.1	15.1	13.9	15.0
	63.95	62.89	63.34	63.38	19.67	14.91	16.69	18.64	16.68	17.32

Barometer, range for month 770 8 mm. — 753.7 mm.
,, 71-yr. average for month 763.23 mm.
Thermometer, range for month 23.1°C —11.8°C
,, 71-yr. average for month 15.99°C.
Rain total for month 200.96 mm.
,, 71-yrs. average for month 185.45 mm.
,, Total, Sept. 1st. to end of month 339.85 mm.
,, 71-yr. average, Sept. 1st. to end of month 374.27 mm

DECEMBER 1950
METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.3	16.4	13.6	14.4	73	80	71	75	3.4	150.0	16.26
2	13.0	13.9	12.7	13.2	69	64	65	66	4.9	158.0	1.78
3	13.8	14.0	12.8	13.5	66	62	64	64	6.2	135.0	
4	14.0	11.2	12.8	12.7	92	57	88	79	3.4	418.0	25.66
5	13.5	15.7	13.5	14.2	74	83	77	78	7.3	161.0	
6	10.6	15.3	13.1	13.0	57	83	72	71	8.1	145.0	0.25
7	12.6	15.0	15.3	13.3	70	69	78	72	9.2	122.0	
8	11.6	13.9	13.1	12.9	61	65	69	65	7.9	114.0	
9	12.0	14.6	13.6	13.4	59	63	71	64	9.0	105.0	
10	11.8	14.6	13.7	13.4	58	64	69	64	5.7	93.0	
11	8.8	16.3	13.3	12.8	45	71	66	61	4.0	109.0	
12	7.7	9.5	10.2	9.1	39	40	53	44	8.2	146.0	
13	12.9	14.4	13.1	13.5	64	70	71	68	9.4	119.0	
14	7.6	13.5	9.3	10.1	39	59	45	48	7.6	101.0	
15	9.2	17.0	8.9	11.7	43	70	42	52	9.3	87.0	
16	19.0	18.3	14.5	17.3	79	72	67	73	9.5	113.0	
17	15.3	18.7	17.5	17.2	72	79	88	80	9.4	130.0	
18	16.0	16.3	15.9	16.1	76	70	77	74	8.3	166.0	
19	17.4	13.9	14.1	15.1	91	66	77	78	4.7	219.0	3.81
20	14.5	12.2	11.1	12.6	82	62	65	70	6.7	241.0	13.46
21	11.0	11.8	13.1	12.0	67	58	70	65	8.9	295.0	
22	8.9	14.3	8.1	10.4	42	57	33	44	6.5	188.0	
23	14.1	17.0	16.2	15.8	72	70	72	71	2.9	142.0	1.27
24	16.3	16.8	16.0	16.4	91	75	76	81	7.3	364.0	10.16
25	12.7	16.1	14.6	14.5	65	75	81	74	8.3	296.0	
26	9.2	13.9	14.3	12.5	55	64	71	63	6.1	323.0	
27	12.1	12.8	12.1	12.3	66	63	69	66	4.0	243.0	
28	10.2	12.3	13.1	11.9	57	59	70	62	5.8	262.0	
29	16.2	13.3	16.8	15.4	88	65	88	80	0.8	462.0	20.57
30	15.5	13.9	12.4	14.3	90	87	82	86	0.1	589.0	97.83
31	13.5	15.0	11.9	13.5	77	88	76	80	0.3	496.0	9.91
	12.72	14.57	13.24	13.50	67.0	67.7	69.8	68.3	6.23	215.87	6.482

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.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m
Time of reading minus 2 hours equal G.C.T.
71year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu	8cu-ni	9cu-ni	7.0	1se	2ne	2w	light	Tr., a.m., p.m.
2	8ci	10st-ci	10st	9.7	1se	2ne	1ne	,,	Good visibility
3	1ci	6ci-cu	5ci-cu	4.0	0	2nw	1nw	,,	,, ,, ; Th., p.m.
4	10-ni	9cu-st	5cu-ni	7.7	4sw	4sw	1se	slight	
5	5cu	3cu	0	2.7	1s	1sw	1sw	light	Tr., a.m.
6	1cu	1cu	0	0.7	1se	1sw	1sw	light	
7	1cu	1cu	0	0.7	1se	1ne	2ne	,,	Good visibility
8	2ci	8ci	0	3.3	1se	1ne	1ne	calm	
9	5ci	1ci	0	2.0	1s	1ne	1ne	light	
10	5ci	9ci-st	3ci	6.0	1s	1ne	0	,,	
11	8ci-st	9ci-st	3ci	6.7	1sw	1nw	1nw	calm	
12	7ci-st	0	0	2.3	2s	2sw	2sw	light	
13	0	3ci	0	1.0	1se	1ne	1ne	,,	
14	3ci	7ci-st	3ci	4.3	1se	1ne	0	,,	
15	0	0	0	0.0	1e	1ne	0	,,	
16	0	0	0	0.0	1e	1ne	1n	light	
17	0	0	0	0.0	2sw	1w	1n	,,	D. p.m.
18	3ci	1cu	0	1.3	1se	2n	1n	,,	D., a.m.,
19	10ni	7cu	4cu	7.0	2sw	2sw	2sw	,,	
20	6cu	4cu	3ci-cu	4.3	2se	1nw	2nw	slight	
21	0	0	5ci	1.7	1se	2ne	1ne	slight	Good Visibility
22	8ci	9ci	8ci	8.3	2e	1ne	2ne	,,	
23	10ni	10cu-st	10st-cu	10.0	1s	1sw	1n	,,	
24	10ni	2cu	5cu-ni	5.7	4ne	1w	1sw	mod.	
25	1ci	2ci	3ci	2.0	1sw	1nw	1ne	light	
26	3cu-st	6ci	6cu	5.0	1sw	3sw	2ne	light	
27	7cu-st	7cu-ci	0	4.7	1s	1nw	1nw	,,	
28	4ci	7ci-st	1cu-ci	4.0	1s	2sw	1sw	,,	
29	10-ni	8cu-ni	10ni	9.3	3sw	4sw	4sw	mod.	Th., p.m.
30	10ni	10ni	10ni	10.0	4sw	4sw	4sw	rough	
31	10cu-ni	9cu-ni	5cu-ni	8.0	4sw	2sw	2sw	mod.	
				4.49					

Abbreviations:— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	3	10	7	9	0	0	1	31
14:30	1	12	0	0	0	11	2	5	0	31
20:30	4	9	0	1	0	9	1	4	3	31
Total	5	22	3	11	7	29	3	9	4	93

Number of days with rain 11, fog 0, thunderstorms 2, gale 0.

71 yr. av. number of days with rain during month 13.4