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MONTHLY BULLETIN

METEOROLOGICAL SECTION

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January 1960

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March 28, 2002

JANUARY 1960

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	55.1	53.0	53.0	53.7	16.0	9.4	15.5	15.5	12.0	14.3
2	58.3	58.7	61.1	59.4	13.9	10.8	12.5	13.5	12.0	12.7
3	63.5	64.0	64.3	63.9	13.8	11.5	12.0	12.0	12.6	12.2
4	65.1	63.7	63.4	64.1	17.1	12.7	12.7	16.3	16.0	15.0
5	61.4	59.8	59.5	60.2	18.1	12.8	15.9	17.4	15.5	16.3
6	57.0	55.2	55.2	55.8	17.8	10.5	13.1	11.8	11.5	12.1
7	53.2	54.4	57.8	55.1	16.4	11.6	11.4	15.9	13.7	13.7
8	59.7	58.9	61.0	59.9	17.0	11.5	15.2	15.9	12.5	14.5
9	63.6	63.3	64.4	63.8	16.1	11.8	12.4	15.0	12.5	13.3
10	66.8	66.0	66.9	66.6	17.7	11.4	13.5	15.0	13.0	13.8
11	67.2	65.4	64.9	65.8	17.1	13.2	13.2	16.7	15.5	15.1
12	63.0	60.9	60.2	61.4	18.5	14.7	15.0	17.7	16.0	16.2
13	59.3	59.0	61.6	60.0	24.5	15.2	17.7	22.0	18.0	19.2
14	63.6	62.9	61.8	62.8	19.2	16.0	16.2	18.8	16.5	17.2
15	60.9	59.6	60.6	60.4	21.7	17.3	18.0	21.3	19.0	19.4
16	63.7	64.2	65.5	64.5	21.7	13.9	18.5	18.5	15.5	17.5
17	66.7	66.1	66.4	66.4	19.0	13.5	15.0	17.5	15.0	15.8
18	65.1	63.1	62.0	63.4	21.2	14.5	14.5	17.8	16.5	16.3
19	61.6	63.8	66.9	64.1	22.8	14.4	19.8	18.8	16.0	18.2
20	67.4	66.6	66.9	67.0	18.5	12.1	14.9	16.3	15.5	15.6
21	64.4	62.7	62.2	63.1	15.7	11.6	12.1	12.2	12.5	12.3
22	61.0	60.5	61.8	61.1	15.2	10.0	13.7	14.4	13.0	13.7
23	65.6	66.7	69.1	67.1	14.0	7.7	10.9	10.2	9.0	10.0
24	70.1	68.1	68.1	68.8	13.1	9.1	9.7	12.0	10.0	10.6
25	67.4	66.1	66.6	66.7	14.3	10.1	10.1	13.2	11.5	11.6
26	67.1	67.4	68.2	67.6	13.9	8.9	11.6	11.8	12.0	11.8
27	70.8	70.5	70.5	70.6	14.3	10.5	10.9	13.7	12.0	12.2
28	70.3	69.5	70.6	70.1	15.7	10.7	12.5	14.6	12.5	13.2
29	71.4	71.0	71.5	71.3	17.5	13.1	13.3	16.0	13.5	14.3
30	70.5	69.3	68.8	69.5	19.2	14.6	14.8	17.0	16.0	15.9
31	66.8	65.7	66.0	66.2	19.5	12.7	15.7	17.5	15.5	16.2
	64.41	63.42	64.09	63.88	17.43	12.19	13.94	15.69	13.94	14.52

Barometer, range for month 771.5 mm. — 753.0 mm.
" 71-yr. average for month 763.18mm.
Thermometer, range for month 24.5°C — 7.7°C
" 82-yr. average for month 13.4°C
Rain total for month 162.81 mm.
" 82-yr average for month 191.3 mm.
" Total, Sept. 1st. to end of month 443.75 mm.
" 82-yr average. Sept. 1st. to end of month 566.60 mm.

JANUARY 1960

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	10.3	8.0	10.2	9.4	58	45	71	58	4.4	171	8.68
2	9.6	9.6	9.9	9.7	65	61	70	65	3.6	277	11.48
3	11.7	12.9	13.5	12.7	83	93	93	90	0.0	79	24.16
4	14.2	12.9	11.8	13.0	91	69	65	75	3.6	47	7.26
5	9.0	11.8	12.1	11.0	50	58	69	59	7.6	82	
6	11.1	12.4	11.3	11.6	72	91	82	82	2.6	71	7.35
7	10.9	13.5	11.8	12.1	80	74	76	77	2.7	134	6.05
8	12.8	10.3	13.6	12.2	74	57	94	75	3.5	420	43.13
9	12.9	10.9	9.8	11.2	91	64	66	74	4.1	143	13.40
10	9.6	10.6	10.7	10.3	61	62	71	65	8.4	43	
11	8.5	9.7	10.3	9.5	56	51	58	55	4.5	43	
12	12.0	12.8	13.6	12.8	71	64	74	70	5.2	19	
13	8.9	12.2	16.5	12.5	44	46	80	57	8.3	119	
14	15.2	16.7	16.2	16.0	83	77	87	82	5.4	50	
15	14.6	16.0	17.7	16.1	71	62	81	71	1.5	26	
16	17.5	14.8	13.1	15.1	82	69	74	75	0.8	185	
17	12.0	13.3	12.6	12.6	71	66	74	70	7.1	29	
18	13.2	14.8	10.5	12.8	80	73	55	69	8.7	30	
19	10.3	17.9	11.8	13.3	44	83	65	64	3.0	164	
20	11.5	11.8	11.0	11.4	69	63	62	65	4.6	163	
21	13.0	12.5	12.7	12.7	93	88	88	90	0.5	85	26.10
22	12.5	11.8	9.3	11.2	80	72	62	71	2.3	277	14.90
23	5.7	7.8	5.5	6.3	46	63	48	52	5.5	414	0.30
24	5.5	6.5	6.1	6.0	46	48	50	48	8.8	129	
25	4.8	5.8	7.1	5.9	38	39	52	43	5.8	80	
26	9.9	9.7	8.5	9.4	71	70	60	67	0.0	77	
27	8.0	8.5	8.5	8.3	60	55	60	58	9.0	98	
28	6.9	8.3	9.6	8.3	48	51	65	55	8.3	89	
29	9.5	11.1	10.4	10.3	62	61	66	63	9.1	92	
30	12.1	13.2	13.6	13.0	72	68	74	71	2.7	55	
31	12.3	14.1	13.5	13.3	69	70	76	72	5.1	53	
	10.84	11.68	11.38	11.29	67.1	64.9	69.9	67.3	4.73	120.77	5.25

Height of Barometer above sea level : **33.7 meters.**
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.51 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

JANUARY 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu-st	4ci-st	10cu-st	6.0	3sw	3sw	2sw	light	Tr.p.m
2	9cu-st	4cu-st	2ci	5.0	3sw	4sw	2sw	,,	
3	10st-ni	10st-ni	8cu-st	9.3	1se	3sw	4nw	,,	
4	4cu-ci	10st	7ci	7.0	2s	2sw	3sw	,,	Lunar Halo
5	1ci	9ci	10st	6.7	2e	3ne	2ne	,,	
6	8ci-cu	10st-ni	10st-ni	9.3	2s	2e	2sw	light	
7	10st	8cu-st	4cu-st	7.3	2s	3sw	2sw	,,	
8	10st-ni	10st-ni	10st-ni	10.0	5sw	6sw	3sw	slight	
9	10st-ni	5cu-st	4cu-st	6.3	2s	2w	2sw	light	Tr.p.m
10	2cu	1ci	0	1.0	2se	1e	1ne	,,	
11	1ci-st	10st	7st	6.0	1e	2ne	1ne	light	
12	10ci-st	8ci	3ci	7.0	1sw	1ne	1ne	,,	
13	0	0	3ci	1.0	2sw	4sw	2sw	,,	Hot wind
14	10ci	0	0	3.3	2e	2ne	1ne	,,	D.a.m.H.D.Fog.p.m
15	10st	10st	10st-cu	10.0	2e	1ne	2ne	,,	
16	10st	10st	7cu-st	9.0	3sw	3sw	1sw	light	
17	0	5cu-st	0	1.7	1sw	1sw	1sw	,,	H.a.m
18	0	1ci	0	0.3	1e	2ne	1ne	,,	D.a.m
19	9ci-cu	10st	2cu	7.0	2sw	3sw	3sw	,,	
20	10cu-st	8cu-st	7st-ni	8.3	2sw	2n	1ne	,,	Tr.a.m.p.m
21	10ni	10ni	4cu-st	8.0	3s	3sw	3sw	light	
22	10st-ni	6cu	1cu	5.7	4sw	4w	5sw	sligh	
23	8cu-st	8cu-st	0	5.3	5nw	5ne	2ne	,,	
24	3cu-st	3ci	0	2.0	2se	2ne	2ne	light	
25	9ci	4ci	8ci	7.0	2se	2ne	1ne	,,	
26	10st-ni	10st	8cu-st	9.3	4w	3ne	1ne	light	Tr.a.m
27	2cu-st	1cu	2cu	1.7	2se	3ne	1ne	,,	
28	0	0	5cu	1.7	2s	2ne	1ne	,,	
29	10ci	8ci	0	6.0	1e	3sw	1sw	,,	
30	10st	8cu-st	9cu-st	9.0	3s	1sw	1sw	,,	
31	8cu-st	9st	9st	8.7	1sw	1w	1sw	,,	
	mean			6.00					

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	0	6	5	7	11	1	1	0	31
14:30	1	12	2	0	0	13	3	0	0	31
20:30	0	14	0	0	0	16	0	1	0	31
Total	1	26	8	5	7	40	4	2	0	93

Number of days with rain 11, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 15.67
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

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HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: 2^h 21^m $52^s.7$ E.

February 1960

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LIBRARY
WEATHER BUREAU

FEBRUARY 1960

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	62.5	58.9	58.0	59.8	17.4	14.2	14.3	17.0	15.0	15.4
2	55.7	55.0	56.3	55.7	21.5	11.4	18.2	17.9	16.0	17.4
3	59.5	61.2	63.0	61.2	16.4	8.5	11.4	9.4	10.0	10.3
4	64.0	63.9	64.1	64.0	12.0	7.7	10.2	9.6	9.1	9.6
5	66.7	67.7	69.3	67.9	14.2	9.0	11.1	13.5	11.5	12.0
6	70.1	68.7	68.8	69.2	15.5	10.7	11.1	13.8	11.5	12.1
7	67.9	66.3	66.2	66.8	17.5	13.0	13.0	17.0	15.0	15.0
8	65.3	63.1	63.1	63.8	20.0	12.7	14.7	16.7	16.0	15.8
9	62.6	61.4	62.4	62.1	16.8	12.2	14.6	16.2	15.0	15.3
10	63.9	63.5	64.1	63.8	18.5	12.2	14.2	17.2	13.5	15.0
11	64.9	63.9	64.1	64.3	18.1	12.5	14.0	16.8	14.0	14.9
12	65.2	65.3	66.2	65.6	19.0	11.6	14.2	17.5	15.5	15.7
13	67.8	66.8	66.2	66.9	16.8	12.9	13.2	16.0	14.0	14.4
14	65.6	64.6	64.9	65.0	20.0	14.2	14.3	18.0	16.0	16.1
15	65.3	63.7	63.5	64.2	19.9	15.9	15.9	19.0	17.0	17.3
16	62.2	60.4	60.6	61.1	23.0	14.7	17.8	20.2	16.0	18.0
17	59.5	59.0	60.1	59.5	20.0	15.7	16.4	18.7	16.5	17.2
18	64.7	65.2	66.6	65.5	19.4	13.9	16.7	18.0	16.0	16.9
19	67.5	66.9	67.3	67.2	20.0	14.2	15.0	18.0	16.0	16.3
20	64.3	61.9	59.1	61.8	18.7	15.4	16.0	17.5	18.0	17.2
21	59.2	59.1	64.3	60.9	20.0	15.3	17.0	19.0	16.5	17.5
22	62.6	62.2	63.7	62.8	20.4	13.5	16.7	18.9	16.0	17.2
23	64.7	64.1	64.1	64.3	19.2	13.7	15.5	18.5	16.5	16.8
24	64.3	62.9	63.0	63.4	19.0	13.6	14 5	18.5	15.0	16.0
25	61.9	61.3	61.7	61.6	20.0	12.2	16.1	18.2	16.0	16.8
26	63.5	63.2	64.0	63.6	19.5	12.9	14.0	19.1	14.5	15.9
27	63.9	62.6	61.6	62.7	18.4	14.0	15.1	17.0	16.0	16.0
28	58.1	57.8	59.9	58.6	20.0	13.6	16.0	18.0	15.0	16.3
29	59.7	59.7	60.0	59.8	16.7	11.6	13.9	14.9	12.5	13.8
30										
31										
	63.55	62.77	63.32	63.21	18.55	12.86	14.66	16.90	14.81	15.45

Barometer, range for month 770.1 mm. — 755.0 mm.
„ 71-yr. average for month 761.98mm.
Thermometer, range for month 23.0°C — 7.7°C
„ 82-yr. average for month 14.0°C
Rain total for month 29.09 mm.
„ 82-yr average for month 157.7 mm.
„ Total, Sept. 1st. to end of month 472.84 mm.
„ 82-yr average. Sept. 1st. to end of month 724.34 mm.

FEBRUARY 1960

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	11.7	11.4	12.6	11.9	72	58	74	68	3.4	21	
2	8.4	13.4	11.8	11.2	39	66	65	57	5.4	238	
3	10.6	9.0	8.4	9.3	78	76	68	74	0.6	367	6.49
4	9.4	10.7	10.6	10.2	74	90	92	85	0.5	63	7.39
5	7.8	8.4	7.1	7.8	59	54	52	55	3.7	357	11.00
6	7.8	8.7	9.6	8.7	59	55	70	61	9.9	50	
7	8.3	10.0	9.9	9.4	56	51	58	55	9.7	119	
8	10.7	13.3	11.7	11.9	64	70	64	66	9.7	148	
9	12.6	9.9	11.3	11.3	76	57	66	66	9.2	122	
10	11.0	11.9	11.4	11.4	68	60	72	67	10.0	47	
11	9.1	11.5	9.8	10.1	57	60	61	59	10.1	32	
12	9.6	13.3	13.1	12.0	59	66	74	66	7.3	72	
13	10.6	8.4	10.1	9.7	69	46	63	59	9.5	42	
14	9.1	12.4	10.7	10.7	55	60	59	58	9.2	29	
15	12.9	14.6	13.6	13.7	71	67	70	69	8.3	21	
16	12.2	16.8	12.6	13.9	60	71	69	67	6.3	92	
17	15.8	19.3	16.6	17.2	85	90	89	88	5.2	37	
18	13.3	13.8	14.0	13.7	70	67	77	71	0.7	156	
19	12.3	15.3	14.3	14.0	72	75	79	75	7.3	85	
20	14.3	15.9	12.7	14.3	79	80	62	74	7.2	35	
21	15.3	15.4	14.8	15.2	80	70	79	76	7.5	190	
22	14.7	14.5	14.3	14.5	77	67	79	74	9.1	166	0.46
23	12.1	14.8	14.0	13.6	69	69	74	71	9.1	103	
24	14.0	15.2	14.4	14.5	85	71	85	80	9.8	53	
25	11.9	14.4	12.6	13.0	65	69	69	68	7.4	163	0.35
26	12.7	13.5	12.0	12.7	80	61	72	71	6.9	124	3.25
27	10.7	12.8	12.6	12.0	62	66	69	66	7.8	72	
28	13.0	13.8	14.2	13.7	71	67	84	74	7.8	106	0.15
29	8.7	8.8	8.8	8.8	55	53	60	56	10.2	127	
30											
31											
	11.40	12.80	12.05	12.08	67.8	65.9	70.9	68.1	7.20	111.62	1.00

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

FEBRUARY 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10st-ci	10ci	0	6.7	2e	2e	1e	light	
2	0	4ci-st	5cu-st	3.0	3sw	5sw	3sw	,,	
3	10st	10st	9cu-st	9.7	3sw	3nw	1ne	slight	
4	10st-ni	10ni	10cu-ni	10.0	2sw	2sw	2sw	light	T.p.m
5	10st	8cu-st	5cu-st	7.7	4sw	3sw	3sw	sligh	
6	2cu-st	0	0	0.7	2e	2n	1n	light	
7	2ci	0	0	0.7	1e	2ne	1ne	,,	
8	2ci	5ci	3ci	3.3	2sw	3ne	2ne	,,	Lunar Halo
9	8ci	9ci	0	5.7	2ne	4ne	2ne	,,	D.a.m
10	0	1cu	0	0.3	2e	2w	1sw	,,	
11	0	0	0	0.0	2e	2nw	1ne	light	
12	0	9cu-st	7cu-st	5.3	2sw	2sw	2sw	,,	
13	0	5cu-ci	1ci	2.0	1e	1ne	1ne	,,	D.a.m
14	1ci	7ci	0	2.7	1n	1ne	1ne	,,	D.a.m
15	4ci	10ci	0	4.7	1sw	1ne	1ne	,,	
16	10ci-st	1ci	0	3.7	1sw	3sw	1sw	light	
17	10ci-st	0	0	3.3	2sw	2ne	1ne	,,	D.p.m
18	10st	10st	5cu-st	8.3	2sw	3sw	1sw	,,	
19	3ci	8st-ci	9st	6.7	1sw	1sw	1sw	,,	H.a.m
20	6ci-st	6ci-st	0	4.0	1ne	1ne	1ne	,,	H.D.a.m
21	4cu-st	5cu-st	4cu	4.3	3sw	2sw	3sw	light	
22	9cu-st	0	2cu	3.7	3sw	3sw	2sw	,,	
23	0	4cu-st	2cu	2.0	1sw	2sw	2sw	,,	H.a.m
24	0	0	2ci	0.7	1s	1sw	1sw	,,	H.a.m
25	5cu-st	8cu-st	5cu-st	6.0	2se	3sw	3sw	,,	
26	8cu-st	9cu-st	0	5.7	2sw	2sw	1sw	light	
27	4st	7st	0	3.7	2sw	1sw	3sw	,,	
28	1ci	8cu-st	7cu-st	6.0	1sw	2sw	2sw	,,	
29	2cu-st	1cu	0	1.0	2w	3ne	1ne	,,	
30									
31									
	mean			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	1	2	6	1	1	17	1	0	0	29
14:30	1	9	1	0	0	15	1	2	0	29
20:30	1	11	1	0	0	16	0	0	0	29
Total	3	22	8	1	1	48	2	2	0	87

Number of days with rain 7, fog 0, thunderstorms 1, gale. 0
71 yr. av. number of days with rain during month 13.9
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY of Beirut OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

March 1960

Printed at the American Press.

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AUG 3 - 1960
WEATHER BUREAU

MARCH 1960

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	56.6	58.1	59.0	57.9	19.5	13.1	14.7	18.7	15.0	16.1
2	61.5	61.7	62.5	61.9	19.3	13.7	14.7	18.6	15.5	16.3
3	61.7	59.8	59.9	60.5	20.7	14.2	15.3	19.0	17.0	17.1
4	59.5	58.4	57.4	58.4	20.7	11.8	16.4	19.2	16.5	17.4
5	58.2	59.6	60.6	59.5	19.2	12.7	14.6	17.5	14.0	15.4
6	58.2	56.0	54.6	56.3	21.0	13.0	16.5	19.5	17.0	17.7
7	56.1	56.8	59.2	57.4	17.5	11.8	14.7	16.1	13.5	14.8
8	60.7	60.7	61.7	61.0	17.5	11.0	14.3	16.0	13.5	14.6
9	61.2	58.2	56.0	58.5	16.9	13.1	13.1	15.9	16.0	15.0
10	54.5	53.2	55.2	54.3	20.9	11.6	17.0	19.1	12.0	16.0
11	57.7	57.6	58.4	57.9	17.9	11.0	14.7	14.9	12.0	13.9
12	60.2	61.4	63.2	61.6	14.5	11.2	13.8	13.0	11.5	12.8
13	65.2	64.1	64.1	64.5	14.7	11.0	12.5	13.7	12.5	12.9
14	63.5	63.3	63.4	63.4	17.3	11.9	13.7	16.3	15.0	15.0
15	63.8	63.7	64.2	63.9	17.9	12.1	14.8	16.9	15.0	15.6
16	64.2	64.1	65.1	64.5	18.3	13.2	14.8	17.9	15.0	15.9
17	65.0	64.2	63.0	64.1	18.5	14.2	15.3	17.8	16.5	16.5
18	61.2	59.6	60.2	60.3	20.9	15.0	16.2	20.3	16.0	17.5
19	59.0	58.1	58.1	58.4	21.0	16.0	17.0	19.6	17.0	17.9
20	55.4	56.4	57.9	56.6	23.1	15.1	19.0	22.5	16.5	19.3
21	54.2	52.8	55.2	54.1	21.4	10.6	18.3	21.0	14.0	17.8
22	54.6	55.1	56.9	55.5	17.0	11.0	12.0	15.0	13.2	13.4
23	57.5	57.9	58.1	57.8	15.9	11.4	12.0	13.1	12.0	12.4
24	58.5	5.90	60.4	59.3	17.9	12.5	14.7	14.2	15.0	14.6
25	63.0	62.8	64.5	63.4	18.8	13.2	15.1	18.8	14.5	16.1
26	63.8	63.5	63.0	63.4	19.0	14.7	15.8	18.2	16.0	16.7
27	61.4	60.3	59.6	60.4	19.5	15.4	17.5	18.0	17.0	17.5
28	59.4	58.9	58.9	59.1	21.3	16.4	17.5	20.0	18.0	18.5
29	58.2	56.6	57.5	57.4	25.5	16.5	19.2	25.2	18.5	21.0
30	57.4	55.3	51.9	54.9	23.9	18.2	20.6	22.4	21.5	21.5
31	56.2	57.3	58.8	57.4	29.0	16.2	19.0	20.0	17.0	18.7
	59.60	59.18	59.63	59.47	19.56	13.32	15.64	18.01	15.28	16.32

Barometer, range for month 765.2 mm. — 751.9 mm.
„ 71-yr. average for month 761.19mm.
Thermometer, range for month 29.0°C — 10.6°C
„ 82-yr. average for month 15.7°C
Rain total for month 118.20 mm.
„ 82-yr average for month 96.1 mm.
„ Total, Sept. 1st. to end of month 591.04 mm.
„ 82-yr average. Sept. 1st. to end of month 820.41 mm.

MARCH 1960

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	8.7	11.7	11.6	10.7	53	54	69	59	9.9	80	
2	11.1	11.6	12.1	11.6	66	54	69	63	7.5	113	
3	10.4	13.8	10.0	11.4	60	63	51	58	6.8	206	
4	11.5	14.4	10.4	12.1	61	65	55	60	8.4	140	
5	13.3	14.1	13.0	13.5	81	70	82	78	3.6	291	28.72
6	11.2	13.2	11.4	11.9	59	58	58	58	8.3	254	0.75
7	11.4	10.8	9.6	10.6	69	59	61	63	2.7	435	6.02
8	10.0	10.7	9.6	10.1	61	59	61	60	6.4	190	0.95
9	9.4	8.6	11.8	9.9	62	48	65	58	6.8	77	
10	12.5	15.1	12.3	13.3	64	68	88	73	3.4	229	13.05
11	11.4	11.9	12.3	11.9	69	71	88	76	2.8	146	2.75
12	9.2	7.6	5.6	7.5	59	52	41	51	7.6	275	1.13
13	5.6	6.6	8.2	6.8	39	43	56	46	7.5	240	
14	9.9	7.7	9.2	8.9	63	40	54	52	9.5	92	
15	9.4	12.0	12.0	11.1	56	62	71	63	6.0	21	
16	12.8	12.4	13.0	12.7	76	66	76	73		56	2.00
17	12.6	14.0	15.9	14.2	72	69	85	75	9.0	113	
18	15.2	13.4	12.6	13.7	83	56	69	69	9.2	58	
19	13.6	17.2	15.1	15.3	70	76	78	75	6.7	82	
20	13.8	16.8	16.2	15.6	63	62	87	71	8.1	101	
21	16.8	15.6	12.7	15.0	80	65	80	75	7.7	130	1.60
22	12.3	11.6	12.4	12.1	88	69	82	80	1.8	359	26.20
23	12.0	13.2	12.3	12.5	85	88	88	87	1.5	232	22.67
24	13.0	14.7	11.6	13.1	79	91	69	80	4.5	132	11.81
25	12.4	12.1	11.9	12.1	72	56	72	67	9.5	71	0.55
26	11.6	13.3	12.6	12.5	65	64	69	66	9.5	48	
27	12.2	14.6	15.0	13.9	60	71	77	69	8.8	132	
28	17.1	17.0	15.7	16.6	85	73	76	78	9.4	48	
29	14.0	9.8	15.2	13.0	63	30	71	55	9.4	19	
30	12.2	18.8	10.9	14.0	51	70	42	54	9.1	16	
31	15.8	15.4	15.3	15.5	72	66	80	73	7.4	435	
	12.01	12.89	12.18	12.36	67.3	62.5	70.0	66.6	6.93	155.52	3.81

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

MARCH 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	3cu	4cu	2.3	2e	3sw	2sw	light	Tr.p.m
2	0	4cu-st	9st	4.3	2sw	3sw	1sw	,,	
3	1ci	9cu-st	4st	4.7	3sw	3sw	1sw	,,	
4	4cu-ci	7cu-st	0	3.7	2sw	3sw	2sw	,,	
5	10cu-ni	6st-ci	9cu-st	8.3	5sw	1sw	1sw	,,	T.a.m
6	0	2ci	6cu-st	2.7	1sw	2sw	4sw	light	
7	9st	10st	5cu	8.0	5sw	6sw	5sw	slight	
8	6cu-st	7cu-st	7cu-st	6.7	4sw	3nw	2nw	light	
9	10ci-st	10ci	10ci	10.0	2ne	3ne	1ne	,,	
10	10st-ni	10st-ci	10cu-ni	10.0	3e	5sw	2sw	sligh	
11	10st	10st	8cu-st	9.3	4n	2n	1ne	light	
12	10st-ni	7cu-st	0	5.7	4n	4ne	3ne	,,	
13	0	4ci	1ci	1.7	3ne	2ne	1ne	,,	
14	0	0	1ci	0.3	2ne	2ne	2ne	,,	
15	10ci	10st	9st	9.7	2ne	0	0	,,	
16	5cu-st	3cu-st	1ci	3.0	2sw	2nw	1n	light	
17	0	7ci	0	2.3	3nw	3ne	2ne	,,	D.a.m
18	0	3ci	0	1.0	2ne	2ne	1ne	,,	D.a.m
19	1ci	9st-ci	0	3.3	2sw	1sw	1sw	,,	D.a.m
20	3ci	0	0	1.0	2sw	2sw	1sw	,,	
21	8cu-ci	0	5cu-st	4.3	3sw	4sw	3sw	light	D.a.m.G.p.m
22	10st-ni	8st-ni	9st-ni	9.0	2s	2sw	2sw	,,	
23	10st	10st	9cu-st	9.7	2sw	3sw	1sw	,,	
24	10st	10st-ni	5cu	8.3	3sw	3sw	1sw	,,	
25	0	1cu-ci	5cu	2.0	2w	3w	1sw	,,	
26	0	3st-ci	8cu-st	3.7	2ne	1ne	1ne	light	
27	3ci	0	0	1.0	1ne	2ne	2ne	,,	
28	2ci	0	0	0.7	1nw	1ne	1ne	,,	
29	1ci	0	0	0.3	2e	2ne	1ne	,,	
30	2ci	10ci	0	4.0	2e	2ne	1ne	,,	D.a.m.H.p m
31	5st	7cu-st	2cu	4.7	6sw	4sw	3sw	slight	H.W.a.m
	mean			4.70					

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	7	4	0	1	14	1	2	0	31
14:30	1	11	0	0	0	15	1	2	1	31
20:30	1	12	0	0	0	16	0	1	1	31
Total	4	30	4	0	1	45	2	5	2	93

Number of days with rain, 13 fog 0, thunderstorms 1, gale. 1
71 yr. av. number of days with rain during month 10.76
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY OBSERVATORY

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WEATHER BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.
Longitude: 2^h 21^m $52^s.7$ E.

April 1960

Printed at the American Press.

APRIL 1960

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	60.8	61.2	61.0	21.3	14.0	17.6	20.6	15.5	17.9
2	61.2	59.9	58.3	59.8	18.8	16.1	16.6	18.5	17.0	17.4
3	53.5	53.7	56.8	54.7	25.4	13.0	18.0	22.5	17.0	19.2
4	57.0	57.0	58.4	57.5	19.4	13.3	16.3	17.5	15.5	16.4
5	61.2	62.1	64.1	62.5	20.6	13.8	16.1	18.9	15.5	16.8
6	64.4	64.1	63.8	64.1	18.8	14.7	16.5	18.0	16.5	17.0
7	62.3	62.5	62.6	62.5	21.5	15.0	17.5	19.0	17.0	17.8
8	61.8	59.9	59.0	60.2	20.1	12.6	15.3	18.2	14.5	16.0
9	58.6	58.6	59.7	59.0	19.1	13.0	15.9	18.5	15.5	16.6
10	60.4	59.9	61.1	60.5	20.4	13.7	18.5	20.0	15.7	18.1
11	61.5	61.1	60.8	61.1	21.1	14.2	17.7	20.6	16.5	18.3
12	61.5	61.3	61.9	61.6	21.7	14.6	17.0	21.1	16.5	18.2
13	62.4	61.6	61.4	61.8	19.9	16.2	17.1	19.2	17.5	17.9
14	59.0	57.6	56.3	57.6	21.7	17.4	19.5	20.4	18.3	19.4
15	54.9	54.8	54.7	54.8	24.6	19.5	21.5	23.5	20.0	21.7
16	52.4	51.0	51.5	51.6	31.6	19.1	24.5	25.5	27.5	25.8
17	55.2	56.4	58.8	56.8	28.1	16.5	22.5	23.5	19.0	21.7
18	60.7	60.8	61.2	60.9	22.0	16.1	20.5	21.5	17.0	19.7
19	61.8	61.8	62.1	61.9	22.1	15.0	18.8	21.1	17.0	19.0
20	62.1	62.0	62.1	62.1	22.0	15.6	18.4	21.1	16.5	18.7
21	60.6	60.8	59.6	60.3	21.9	17.6	19.2	20.0	18.5	19.2
22	58.0	57.5	57.4	57.6	22.8	19.6	20.0	21.4	21.5	21.0
23	55.2	51.2	47.9	51.4	32.2	20.0	20.7	21.0	32.0	24.5
24	51.5	53.2	55.9	53.5	32.0	16.9	22.0	23.0	19.0	21.3
25	55.3	56.0	56.6	56.0	21.5	16.5	19.7	19.9	17.0	18.9
26	58.2	58.7	60.3	59.1	22.5	15.6	19.2	21.4	17.0	19.2
27	61.4	61.3	61.9	61.5	22.3	16.3	19.6	21.2	17.0	19.3
28	62.4	62.2	62.4	62.3	22.3	15.7	18.0	21.7	17.5	19.1
29	63.1	63.0	63.9	63.3	22.1	16.0	19.8	21.7	17.0	19.5
30	65.5	64.6	64.4	64.8	21.2	17.2	19.4	20.0	19.0	19.5
31										
	59.47	59.18	59.54	59.39	22.70	15.83	18.78	20.68	18.03	19.17

Barometer, range for month 765.5 mm. — 747.9 mm.
" 71-yr. average for month 760.03mm.
Thermometer, range for month 32.2°C — 12.6°C
" 82-yr. average for month 18.5°C
Rain total for month 36.32 mm.
" 82-yr average for month 51.1 mm.
" Total, Sept. 1st. to end of month 627.36 mm.
" 82-yr average. Sept. 1st. to end of month 871.50 mm.

APRIL 1960

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	14.6	15.3	13.8	14.6	73	63	79	72	8.4	237	
2	13.9	16.7	18.1	16.2	74	78	94	82	9.4	127	
3	12.7	17.5	13.6	14.6	62	62	70	65	9.0	129	
4	13.6	16.3	14.9	14.9	73	82	85	80	3.9	306	13.12
5	15.7	13.3	12.8	13.3	74	61	72	69	7.0	167	11.50
6	13.1	14.2	15.5	14.3	69	69	83	74	9.8	151	
7	15.5	17.7	16.1	16.4	77	81	84	81	5.5	63	
8	13.3	11.2	12.8	12.4	76	53	78	69	5.7	158	1.43
9	12.9	15.2	13.1	13.7	71	71	74	72	3.4	166	7.30
10	14.0	15.0	14.0	14.3	66	64	79	70	7.8	97	
11	14.7	16.9	15.2	15.6	73	70	81	75	8.0	135	
12	16.5	16.3	15.2	16.0	85	65	81	77	9.2	150	
13	15·1	16.4	17.8	16.4	77	74	90	88	8.7	55	
14	14.8	17.5	18.0	16.8	65	73	86	75	5.9	43	
15	19.5	13.2	17.8	16.8	75	45	76	65	2.1	18	
16	18.2	15.6	13.2	15 7	59	48	33	47	3.0	50	
17	17.6	16.9	17.7	17.4	64	58	81	68	5.3	169	
18	15.6	14.9	14.5	15.0	64	57	75	65	6.5	153	
19	14.8	15.5	14.5	14.9	68	62	75	68	8.0	153	
20	14.7	15.9	15.7	15.4	69	63	84	72	9.4	90	
21	17.1	18.2	19.0	18.1	77	78	90	82	8.6	77	
22	16.2	18.9	11.6	15.6	69	73	45	62	2.7	57	
23	18.2	17.4	5.6	13.7	75	76	12	54	2.0	257	
24	19.2	20.6	19.3	19.7	72	73	88	78	3.1	240	
25	19.1	19.8	14.3	17.7	83	85	74	81	0.3	113	2.00
26	16.0	15.5	14.3	15.3	72	60	74	69	8.8	145	0.40
27	13.7	16.4	13.6	14.6	60	65	70	65	2.7	101	
28	14.2	15.1	15.1	14.8	69	58	75	67	5.2	101	0.37
29	13.6	15.4	14.8	14.6	59	60	76	65	6.9	68	0.20
30	15.5	16.0	16.7	16.1	68	69	76	71	11.4	164	
31											
	15.39	16.16	14.95	15.50	70.6	66.5	74.7	70.7	6.26	130.67	1.21

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometer exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

APRIL 1960

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	9st	0	0	3.0	3sw	3sw	1sw	light	
2	0	0	0	0.0	3e	2ne	1ne	,,	D.a.mp.m
3	0	0	9cu-st	3.0	2sw	2sw	3sw	,,	
4	10st	9st	9cu-ni	9.3	4sw	4sw	2sw	,,	
5	10st	9ci-st	3cu	7.3	3sw	2sw	1sw	,,	
6	0	0	2ci	0.7	3ne	3ne	2ne	light	
7	0	10st	10ci	6.7	2w	2sw	2sw	,,	D.a.m
8	7cu-st	9st-ci	8cu-st	8.0	3w	4sw	2sw	,,	
9	9cu-st	7cu-st	7cu-st	7.7	3sw	3sw	2sw	,,	
10	4cu st	2cu-st	3cu-st	3.0	2s	2sw	2sw	,,	
11	2ci	6ci	2ci	3.3	3sw	3sw	2sw	light	H.a.m.p.m
12	1cu-st	0	0	0.3	3sw	3sw	1sw	,,	
13	2st	2cu-ci	0	1.3	2ne	2ne	1ne	,,	D.H.a.m.p.m
14	10ci	10ci-st	0	6.7	2ne	3ne	1ne	,,	H.am.p.m.D.p.m
15	10st	10st	10st	10.0	1sw	1sw	1sw	,,	H.a.m.p.m
16	3st	10st	10st	7.7	1se	1w	0	calm	H.a.m.p.m
17	10st	10ci-st	5st	8.3	2w	2w	1w	light	H.a.m.p.m
18	5cu	4cu	2st	3.7	2w	2sw	1sw	,,	
19	10cu-st	8st	4st	7.3	3sw	3sw	2sw	,,	
20	0	5st	0	1.7	3sw	3sw	1sw	,,	D.p.m
21	0	4ci	0	1.3	3sw	3ne	1ne	light	
22	10st	10ci-st	10ci-st	10.0	2sw	2ne	1ne	,,	H.a.m.p.m
23	10st	8st-ci	10st	9.3	4ne	2ne	3sw	,,	H.p.m.Hot windp.m
24	10st	10st-ci	0	6.7	1w	1sw	2sw	,,	H.a.m
25	10st-ci	10st	10st-ni	10.0	3s	3ne	2ne	,,	
26	5cu-st	3cu-st	4st-ci	4.0	3w	3sw	1sw	light	
27	1cu	5cu-st	2cu	2.7	4sw	3w	1sw	,,	
28	8cu-st	4st	7cu-st	6.3	2w	3sw	1sw	,,	
29	9cu-st	3cu-st	2cu-ci	4.7	3sw	3w	1sw	,,	
30	6st	1ci	2ci	3.0	3ne	2ne	2ne	,,	
31									
	mean			5.23					

Abbreviations: G = gale; H = hazed; 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	1	1	2	14	7	0	0	30
14:30	0	9	0	0	0	17	4	0	0	30
20:30	0	8	0	0	0	20	1	0	1	30
Total	0	22	1	1	2	51	12	0	1	90

Number of days with rain, 8 fog 0, thunderstorms 0, gale, 0
71 yr. av. number of days with rain during month 6.23
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY OBSERVATORY

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NOV 2 1960
WEATHER BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: 2^h 21^m $52^s.7$ E.

May 1960

Printed at the American Press.

MAY 1960

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	63.4	62.3	61.0	62.2	27.2	19.5	23.0	23.5	21.5	22.7
2	59.7	59.7	59.1	59.5	29.6	23.7	26.2	28.7	25.0	26.6
3	58.6	57.7	57.9	58.1	29.9	21.5	26.0	29.5	24.8	26.8
4	58.8	58.2	57.6	58.2	26.8	21.2	25.0	26.2	25.5	25.6
5	58.2	57.9	58.0	58.0	30.7	23.2	26.4	26.6	24.0	25.7
6	57.5	56.8	57.0	57.1	32.7	23.8	24.5	31.0	24.0	26.5
7	56.7	56.9	58.0	57.2	33.6	23.1	29.0	30.0	27.0	28.7
8	59.1	58.7	58.3	58.7	28.0	21.4	24.0	24.5	22.5	23.7
9	59.5	57.6	55.5	57.5	27.0	21.9	23.0	24.8	25.3	23.7
10	56.8	55.5	56.7	56.3	24.1	19.6	23.2	23.0	21.0	22.4
11	58.1	58.5	59.5	58.7	24.1	17.9	20.8	22.4	19.2	20.8
12	60.5	60.8	61.1	60.8	24.0	16.9	20.4	23.4	19.0	20.9
13	61.4	60.8	60.8	61.0	23.3	17.1	50.8	22.0	18.0	20.3
14	61.2	61.0	61.5	61.2	24.4	17.5	20.3	22.5	19.0	20.6
15	62.5	62.0	62.1	62.2	24.1	17.4	22.0	23.5	19.5	21.7
16	61.7	61.1	61.0	61.3	24.0	18.2	21.7	23.1	19.5	21.4
17	61.2	60.9	61.2	61.1	23.0	20.5	22.0	22.5	22.0	22.2
18	62.4	62.3	61.9	62.2	25.3	19.6	22.8	24.4	21.0	22.7
19	61.4	60.4	60.8	60.9	24.4	19.5	22.8	23.4	21.0	22.4
20	60.1	59.2	58.5	59.3	25.9	20.1	23.5	24.0	24.5	24.0
21	58.4	56.3	56.0	56.9	27.5	21.2	25.0	26.5	23.5	25.0
22	56.4	56.2	56.3	56.3	29.3	22.2	26.5	28.5	24.0	26.3
23	56.6	57.3	57.2	57.0	28.4	21.4	25.2	28.0	23.0	25.4
24	57.7	57.5	57.2	57.5	28.4	22.5	26.2	27.8	24.0	26.0
25	56.3	56.3	55.5	56.0	27.8	22.2	27.0	26.6	24.0	25.9
26	57.8	57.6	58.1	57.8	27.8	21.1	24.6	27.4	22.4	24.8
27	58.1	57.0	57.4	57.5	26.9	21.1	24.4	26.0	23.0	24.5
28	54.4	55.1	59.2	56.2	30.5	21.1	25.3	30.5	23.5	26.4
29	60.8	60.8	61.3	61.0	26.5	20.2	25.3	25.0	21.0	23.8
30	61.5	61.4	61.6	61.5	25.8	19.4	23.4	25.0	21.3	23.2
31	60.0	59.9	59.2	59.7	25.7	20.8	24.0	24.2	21.5	23.2
	59.25	58.83	58.92	59.00	26.99	20.54	24.01	25.63	22.34	24.00

Barometer, range for month 763.4 mm. — 754.4 mm.
" 71-yr. average for month 759.50mm.
Thermometer, range for month 33.6°C — 16.9°C
" 82-yr. average for month 21.8°C
Rain total for month 2.06 mm.
" 82-yr average for month 17.3 mm.
" Total, Sept. 1st. to end of month 629.42 mm.
" 82-yr average. Sept. 1st. to end of month 888.74 mm.

MAY 1960

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	19.6	20.1	16.8	18.8	70	70	65	68	8.6	39	
2	14.5	10.3	13.0	12.6	42	26	41	36	7.1	34	
3	13.1	11.6	14.4	13.0	39	28	46	38	11.6	64	
4	18.0	17.1	12.6	15.9	57	50	39	49	12.0	68	
5	11.7	23.2	18.9	17.9	35	67	64	55	12.1	35	
6	17.8	15.8	21.0	18.2	57	33	71	54	11.8	55	
7	14.7	17.8	10.2	14.2	37	42	28	36	10.2	101	
8	23.0	23.8	23.0	23.3	78	78	84	80	2.5	60	
9	23.8	19.5	22.0	21.8	85	63	77	75	0.0	106	
10	20.4	22.0	21.3	21.2	71	78	86	78	6.0	109	1.86
11	18.0	18.4	15.2	17.2	73	68	68	70	6.7	177	
12	15.5	17.2	16.2	16.3	64	60	74	66	11.0	193	
13	16.4	15.5	15.7	15.9	67	58	76	67	12.1	80	
14	15.4	18.0	17.7	17.0	64	66	81	70	12.3	18	
15	17.4	18.6	17.5	17.8	66	64	77	69	11.8	129	
16	19.3	18.8	18.4	18.8	73	67	81	74	12.7	80	
17	19.2	19.4	13.4	17.3	72	71	51	65	11.7	256	
18	13.6	18.1	18.3	16.7	49	59	73	60	12.9	309	
19	18.4	21.7	20.5	20.2	67	75	82	75	12.8	195	
20	16.5	22.0	15.2	17.9	56	74	49	60	12.7	172	
21	20.7	20.1	15.2	18.7	65	58	52	58	12.3	80	
22	24.0	20.5	21.5	22.0	69	52	72	64	12.3	18	
23	20.6	23.0	23.8	22.5	64	61	85	70	12.4	106	
24	25.6	19.8	23.0	22.8	75	53	78	69	12.0	34	
25	16.6	22.8	19.7	19.7	46	66	66	59	11.8	72	
26	24.4	22.6	17.1	21.4	79	63	63	68	10.0	127	0.20
27	24.1	23.7	23.3	23.7	79	71	83	78	12.0	85	
28	18.4	16.7	22.7	19.3	57	35	78	57	10.8	135	
29	21.1	18.9	18.3	19.4	65	60	73	66	11.7	164	
30	17.2	17.1	18.0	17.4	60	54	71	62	11.5	97	
31	18.4	19.2	19.0	18.9	62	64	73	66	12.0	64	
	18.62	19.14	18.16	18.64	62.7	59.2	68.0	63.3	10.56	105.23	0.07

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

MAY 1960

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	5ci	2ci	0	2.3	1ne	1e	1ne	light	H.a.m
2	9ci	10ci	10st-ci	9.7	1e	2ne	0	,,	
3	0	0	0	0.0	2sw	2ne	1ne	,,	
4	0	0	0	0.0	3ne	3ne	0	,,	
5	0	0	0	0.0	2ne	2n	0	,,	H.p.m
6	0	0	0	0.0	1sw	1sw	1sw	light	
7	5ci	8ci-st	9ci-st	7.3	1se	1sw	0	,,	H.a.m
8	9ci-st	9st	10st	9.3	2sw	1sw	2sw	,,	
9	10st	10st	10st-ci	10.0	4ne	1s	1ne	,,	H.a.m
10	10st	0	5st-ci	5.0	4sw	3ne	1ne	,,	Lunar Halo
11	9st	10cu-st	3cu-st	7.3	4sw	3sw	3sw	light	Tr.a.m.p.m
12	7cu-st	4cu st	0	3.7	3sw	3sw	1sw	,,	
13	1st	4ci-st	0	1.7	3sw	2sw	1sw	,,	
14	0	3ci	0	1.0	2w	2w	1sw	,,	
15	0	1ci	0	0.3	1sw	2sw	1sw	,,	
16	5st	0	0	1.7	3sw	2nw	1sw	light	
17	4st	0	0	1.3	3ne	3ne	3ne	,,	
18	9ci	0	0	3.0	3ne	3ne	3ne	,,	
19	0	0	0	0.0	3ne	3ne	2ne	,,	D.p.m
20	0	0	0	0.0	3n	3ne	2ne	,,	
21	0	0	0	0.0	3sw	1sw	1sw	light	
22	0	0	0	0.0	1nw	1ne	1ne	,,	
23	0	0	0	0.0	4sw	3sw	0	,,	H.a.m.p.m.D.p.m
24	0	0	0	0.0	2w	3e	1n	,,	
25	0	0	0	0.0	3ne	3ne	1ne	,,	
26	10st	0	0	3.3	4sw	3sw	1sw	light	D.p.m
27	0	0	0	0.0	3nw	3ne	2ne	,,	
28	3ci-st	0	7st	3.3	2ne	2sw	2sw	,,	
29	3cu-ci	0	0	1.0	3sw	2sw	1sw	,,	
30	1st	0	0	0.3	3w	3w	1sw	,,	
31	0	0	4st	1.3	3sw	3ne	1ne	,,	
	mean			2.35					

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	9	1	1	0	14	3	2	0	31
14:30	1	12	2	0	1	12	2	1	0	31
20:30	0	12	1	0	0	13	0	0	5	31
Total	2	33	4	1	1	39	5	3	5	93

Number of days with rain, 2 fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 3.08
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

June 1960

Printed at the American Press.

JUNE 1960

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	56.9	55.2	51.8	54.6	27.3	23.5	25.7	26.0	24.0	25.2
2	53.8	56.1	58.7	56.2	27.6	20.3	25.0	26.3	21.8	24.4
3	60.3	61.1	61.5	61.0	25.6	23.8	23.7	25.6	21.5	23.6
4	61.4	60.9	61.1	61.1	25.0	23.3	23.7	25.3	20.5	23.2
5	61.1	61.0	61.0	61.0	25.4	19.7	23.0	24.5	21.4	23.0
6	60.9	59.9	59.1	60.0	25.5	20.8	24.7	24.2	22.5	23.8
7	58.7	57.8	57.2	57.9	27.8	22.6	24.8	27.1	26.2	26.0
8	57.6	56.9	57.3	57.3	27.7	21.7	25.5	27.0	23.5	25.3
9	58.2	58.3	58.3	58.3	28.1	20 4	25.4	27.3	22.7	25.1
10	59.4	59.4	58.8	59.2	27.6	21.0	25.2	27.2	22.7	25.0
11	58.7	58.1	57.2	58.0	28.3	25.9	25.4	28.0	23.3	25.6
12	54.9	54 3	54.3	54.5	28.9	22.2	26.0	28.5	24.2	26.2
13	55.5	56.0	56.1	55.9	28.2	21.2	26.0	26.6	23.2	25.3
14	58.6	59.3	60.5	59.5	28.2	21.9	25.0	26.8	23.2	25.0
15	60.7	60.6	59.9	60.4	27.4	21.1	25.2	26.2	22.6	24.7
16	59.0	58.1	57.9	58.3	27.9	22.0	25.3	27.1	23.5	25.3
17	57.4	57.2	56.9	57.2	28.9	22.2	26.4	27.5	24.0	26.0
18	57.0	56.9	57.2	57.0	29.7	27.2	26.9	28.8	24.7	26.8
19	56.4	56.3	56.7	56.5	29.0	23.2	27.2	28.2	24.1	26.8
20	57.2	56.9	56.7	56.9	29.0	22.3	26.6	28.1	23.7	26.1
21	55.6	56.1	56.8	56.2	28.3	21.9	27.0	27.9	23.5	26.1
22	56.8	56.9	57.1	56.9	28.3	21.2	26.2	27.7	23.5	25.8
23	56.8	57.4	58.2	57.5	28.2	21.5	26.0	27.1	23.9	25.7
24	59.0	59.0	59.5	59.2	27.5	25.2	26.1	26.3	23.0	25.1
25	59.3	58.7	58.6	58.9	26.3	25.8	25.0	26.0	23.4	24.8
26	59.3	58.6	57.7	58.5	27.0	22.7	25.6	26.0	24.2	25.3
27	58.0	57.1	56.8	57.3	28.8	22.6	26.8	27.6	24.6	26.3
28	55.5	54.4	53.9	54.6	30.4	23.0	27.4	30.0	25.0	27.5
29	53.6	53.2	52.4	53.1	29.7	22.9	27.2	29.4	24.5	27.0
30	52.7	52.4	52.9	52.7	30.6	24.4	26.8	30.3	25.4	27.5
31										
	57.68	57.47	57.40	57.52	28.97	22.58	25.69	27.15	23.48	25.45

Barometer, range for month 761.4 mm. — 752.4 mm.
" 71-yr. average for month 757.92mm.
Thermometer, range for month 30.6°C — 19.7°C
" 82-yr. average for month 24.9°C
Rain total for month 0.35 mm.
" 82-yr average for month 3.3 mm.
" Total, Sept. 1st. to end of month 629.77 mm.
" 82-yr average. Sept. 1st. to end of month 892.03 mm.

JUNE 1960

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	19.8	20.3	22.5	20.9	61	61	76	66	12.0	117	
2	22.1	22.3	20.9	21.8	70	65	79	71		539	0.35
3	17.9	18.8	17.2	18.0	62	58	67	62	12.1	295	
4	15.7	15.8	16.8	16.1	53	49	69	57	10.6	189	
5	18.3	16.4	17.9	17.5	65	53	70	63	12.6	79	
6	16.2	21.3	21.5	19.7	53	71	78	67	12.6	161	
7	22.8	25.0	15.1	21.0	73	70	44	62	12.5	151	
8	22.9	23.8	23.8	23.5	70	67	82	73	12.1	127	
9	24.3	24.3	26.5	25.0	76	67	96	80	12.3	183	
10	23.9	23.7	23.8	23.8	75	66	86	76	12.6	145	
11	23.7	25.0	24.9	24.5	73	66	88	76	12.4	140	
12	25.2	25.9	24.2	25.1	75	66	80	74	12.0	319	
13	23.7	23.2	23.1	23.3	71	66	81	73	11.2	175	
14	20.3	19.6	20.9	20.3	64	56	73	64	12.1	85	
15	20.1	18.8	20.5	19.8	63	55	75	64	12.3	84	
16	22.1	23.1	23.6	22.9	68	64	81	71	12.4	85	
17	24.8	24.2	24.9	24.6	72	66	83	74	11.3	101	
18	25.6	26.9	27.0	26.5	73	69	87	76	11.8	158	
19	24.7	23.8	23.2	23.9	68	62	78	69		296	
20	21.2	22.2	22.6	22.0	61	58	78	66	11.8	177	
21	22.4	20.9	20.3	21.2	63	56	70	63	11.6	188	
22	20.6	21.0	20.3	20.6	61	57	70	63	11.8	126	
23	19.4	21.1	20.9	20.5	58	59	71	63	12.3	103	
24	22.4	19.8	19.6	20.6	66	58	70	65	12.3	90	
25	20.3	19.0	18.5	19.3	64	56	64	61	12.5	61	
26	19.3	21.3	24.2	21.6	59	63	80	67	12.7	116	
27	24.5	22.4	25.9	24.3	70	61	84	72	12.7	121	
28	27.1	27.7	26.5	27.1	74	65	84	74	12.9	151	
29	25.7	26.5	25.7	26.0	71	64	83	73	12.4	209	
30	25.5	27.5	26.1	26.4	74	64	80	73	12.5	372	
31											
	22.08	22.39	22.30	22.26	66.9	61.9	76.9	68.6	12.16	170.77	0.01

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

JUNE 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	4ci-st	1ci-st	1.7	3ne	3ne	2ne	light	
2	0	1cu	7cu	2.7	5sw	4sw	3sw	slight	H.a.m.p.m.W.a.m
3	3cu	1cu	2st-cu	2.0	3sw	4sw	3sw	light	
4	2st-cu	2st-cu	0	1.3	3sw	3sw	0	,,	
5	1cu-ci	0	0	0.3	2sw	2w	1ne	,,	
6	0	0	0	0.0	2ne	3ne	3ne	light	
7	0	0	0	0.0	3w	3ne	3ne	,,	
8	0	0	0	0.0	2nw	3sw	1sw	,,	D.p.m
9	6st	0	1cu	2.3	3sw	3sw	3sw	,,	D.p.m
10	2st	0	0	0.7	3sw	3sw	0	,,	D.p.m
11	0	1ci-st	0	0.3	3sw	3sw	1sw	light	D.p.m
12	1ci-st	2ci	0	1.0	4sw	3sw	2sw	,,	
13	0	0	5st-cu	1.7	3sw	3sw	3sw	,,	D.p.m
14	3cu-st	1cu	6cu-ni	3.3	3sw	3w	0	,,	
15	2cu	0	1cu	1.0	3sw	3w	0	,,	
16	0	1cu st	7st-cu	2.7	3sw	3w	2w	light	
17	0	0	0	0.0	3sw	3sw	1sw	,,	D.p.m
18	0	1ci	0	0.3	3sw	3sw	2sw	,,	D.p.m
19	1st-ci	4ci-st	0	1.7	4sw	4sw	3sw	slight	Breeze.a.m p.m
20	0	6ci-st	0	2.0	3sw	3w	0	light	
21	1cu	4st	4cu	3.0	4sw	3sw	2sw	light	
22	2cu-st	0	3cu	1.7	3sw	3sw	1sw	,,	
23	0	3st	5cu	2.7	3sw	3sw	2sw	,,	
24	0	2cu-st	2cu	1.3	3sw	3w	1w	,,	
25	2ci-cu	0	0	0.7	2w	2w	0	,,	
26	0	0	0	0.0	2ne	3ne	2ne	light	D.p.m
27	0	0	0	0.0	3n	3ne	1ne	,,	D.p.m
28	0	0	2cu-st	0.7	3sw	3sw	2sw	,,	D.p.m
29	0	0	0	0.0	3sw	3sw	1sw	,,	D.p.m
30	7st	0	0	2.3	4sw	4sw	4sw	slight	
31									
	mean			1.25					

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	5	0	0	0	23	2	1	0	30
14:30	0	5	0	0	0	18	7	0	0	30
20:30	0	6	0	0	0	16	2	0	6	30
Total	1	14	0	0	0	57	11	1	6	90

Number of days with rain, 1 fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.79
Time of reading minus 2 hours equals G.C.T

WEATHER BUREAU

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.
Longitude : 2^h 21^m 52^s . 7 E.

July 1960

Jourdy Press — Tel. : 43010

JULY 1960
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	52.5	52.7	52.9	52.7	29.9		27.4	29.0	25.0	27.1
2	53.2	53.0	53.4	53.2	30.0		27.6	29.5	25.0	27.4
3	53.6	53.3	53.5	53.5	30.5		27.5	30.2	25.4	27.7
4	53.7	53.7	54.3	53.9	31.0		27.9	30.6	25.7	28.1
5	54.1	53.4	54.3	53.9	32.1		28.0	31.8	27.9	29.2
6	56.2	56.2	56.5	56.3	30.8		28.2	30.0	25.0	27.7
7	57.2	56.6	56.4	56.7	29.6		27.8	29.0	24.5	27.1
8	56.1	55.1	54.6	55.2	29.4		26.5	27.8	25.0	26.4
9	54.3	54.1	53.9	54.1	30.2		27.7	29.3	25.3	27.4
10	55.0	54.7	54.9	54.9	30.5		28.4	29.6	24.9	27.6
11	55.4	55.2	54.5	55.0	30.6		26.7	29.6	25.2	27.2
12	53.8	53.9	53.8	53.8	30.6		27.5	30.4	25.5	27.8
13	53.2	53.2	53.2	53.2	30.2		27.7	29.5	25.7	27.6
14	52.8	53.3	53.8	53.3	31.2		28.1	30.5	25.8	28.1
15	53.7	53.8	55.3	54.3	30.6		27.8	30.0	25.5	27.8
16	56.6	57.0	58.0	57.2	30.7		28.0	29.7	25.8	27.8
17	58.2	57.7	57.5	57.8	28.3		27.0	27.4	25.4	26.6
18	56.3	55.4	54.9	55.5	29.9		27.8	29.5	26.0	27.8
19	54.5	53.9	53.4	53.9	31.5		28.6	30.7	26.0	28.4
20	53.3	53.3	53.2	53.3	31.0		28.1	29.5	26.5	28.0
21	52.7	52.3	52.5	52.5	32.3		29.1	31.5	26.5	29.0
22	52.6	52.7	53.0	52.8	31.6		28.9	30.9	26.7	28.8
23	53.4	53.0	53.1	53.2	31.4		28.6	30.0	26.6	28.4
24	53.6	53.2	53.5	53.4	31.5		29.0	31.0	27.0	29.0
25	54.0	54.1	54.5	54.2	32.0		29.0	31.5	26.5	29.0
26	55.1	55.2	55.7	55.3	32.0		28.5	30.0	25.8	28.1
27	56.1	54.8	55.1	55.3	32.0		28.4	30.0	25.8	28.1
28	57.2	56.6	56.3	56.7	29.8		27.7	29.2	25.0	27.3
29	56.6	56.2	56.3	56.4	29.4		27.2	29.0	26.5	27.6
30	56.5	56.7	56.7	56.6	30.6		28.0	29.0	25.0	27.3
31	55.7	55.0	55.1	55.3	31.0		27.8	30.5	25.6	28.0
	54.74	54.49	54.64	54.62	30.70		27.98	29.88	25.74	27.85

Barometer, range 758.2 mm — 752.3 mm
" " 71-yrs. aveaage 755.46 mm
Thermometer, range 32.3°C — o.o
" " 82-yrs. axerage 27.1°C
Rain, total for month o.oo
" " 82-yrs. average for month 0.5 mm
" " total from Sept, 1 629.77 mm
" " 82-yrs. average from Sept. 1 892.56 mm

JULY 1960
METEOROLOGICAL REGISTRE

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.	Kmsr	m. m.
1	23.5	25.8	24.1	24.5	64	64	76	68	12.4	391	
2	23.9	26.1	26.5	25.5	65	63	84	71	11.6	182	
3	27.9	27.5	27.2	27.5	76	64	84	75	11:5	204	
4	28.0	29.4	27.8	28.4	74	97	84	75	12.2	320	
5	25.5	22.2	13.5	20.4	68	48	37	51	11.4	319	
6	24.9	25.5	24.1	24.8	65	60	76	67	12.3	240	
7	20.8	20.8	20.0	20.5	56	52	65	58	12.1	187	
8	24.0	25.1	25.5	24.9	69	68	80	72	12.3	43	
9	26.0	26.8	26.5	26.4	70	66	82	73	12.4	80	
10	27.2	26.9	24.9	26.3	70	65	79	71	12.6	106	
11	24.3	25.4	23.9	24.5	70	61	75	69	12.6	187	
12	23.7	24.2	24.4	24.1	64	55	75	65	12.4	266	
13	25.0	25.7	25.7	25.5	68	61	78	69	11.7	108	
14	27.3	27.6	25.9	26.9	72	63	78	71	12.1	217	
15	25.1	25.0	24.4	24.8	68	59	73	67	12.2	330	
16	22.5	23.0	22.5	22.7	60	55	67	61	10.9	175	
17	23.4	23.5	26.1	24.3	66	64	80	70	12.0	109	
18	27.2	25.7	26.7	26.5	73	62	80	72	12.7	127	
19	28.2	28.5	27.8	28.2	73	65	82	73	12.6	192	
20	29.0	28.2	24.0	27.1	76	69	69	71	12.7	159	
21	21.0	29.3	29.2	26.5	51	63	84	66	12.3	101	
22	27.7	28.4	29.1	28.4	70	64	83	72	12.4	184	
23	28.7	26.6	28.3	27.9	74	63	81	73	12.1	74	
24	27.1	28.3	28.0	27.8	68	63	79	70	10.7	79	
25	27.3	27.9	26.3	27.1	69	60	76	68	12.1	179	
26	24.3	25.0	23.4	24.2	62	59	71	64	11.9	108	
27	22.6	23.5	21.0	22.4	58	55	63	59		90	
28	19.9	21.6	26.5	22.7	54	53	84	64	12.5	93	
29	22.1	23.2	25.2	23.5	61	58	73	64	10.8	71	
30	25.0	24.6	24.1	24.6	66	61	76	68	6.7	69	
31	22.6	23.4	22.7	22.9	61	53	70	61	12.2	122	
	25.02	25.63	25.00	25.22	66.5	60.7	75.6	67.7	11.88	163.29	

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1·25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

JULY 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	29:30		
1	0	4st-cu-ci	0	1.3	4sw	4sw	4sw	slight	
2	0	0	3cu	1.0	4sw	4sw	1sw	light	D; p.m
3	8st-cu	1st	1st	3.3	4sw	4sw	4sw	slight	D; p.m
4	1st	0	0	0.3	4sw	4sw	4sw	,,	D; p.m
5	0	0	0	0.0	4sw	4sw	2sw	,,	W; a.m
6	0	1cu-ci	1cu	0.7	4sw	4sw	3sw	slight	Breeze ; p.m.
7	4cu-st	1st	0	1.7	3sw	3w	0	light	
8	0	0	0	0.0	1w	2nw	0	,,	D; p.m.
9	1st	0	0	0.3	1sw	2w	0	,,	
10	1st	0	0	0.3	3sw	3sw	0	,,	D; p.m.
11	1ci-st	1st	0	0.7	4sw	4sw	4sw	slight	
12	1st	1st-cu	1cu	1.0	4sw	4sw	2w	,,	
13	1st	4st-cu-ci	0	1.7	4sw	4w	2w	light	D; p.m.
14	2st-ci	3st-cu	0	1.7	4sw	3w	5sw	slight	W; a.m.
15	2st-cu	3ci-cu	1cu	2.0	5sw	5sw	3sw	,,	W; a.m. p.m
16	2cu	4cu-ci	9cu	5.0	4sw	4w	0	slight	
17	8cu	0	0	2.7	3n	4n	3n	light	D; p.m.
18	0	0	0	0.0	1n	1n	0	,,	D; p.m.
19	1st	3st-cu	0	1.6	4sw	4sw	3sw	slight	D; p.m.
20	7cu-ci	0	0	2.3	4sw	3w	0	light	
21	0	0	0	0	3sw	3sw	0	slight	D; p.m.
22	1st	1cu	0	0.7	4sw	3sw	0	,,	D; p.m.
23	8cu-ci	2cu	0	3.3	3w	3w	0	,,	D; p.m.
24	1cu	5cu-ci	4cu	3.3	3sw	3w	0	,,	
25	3st-cu	4cu	0	2.3	4sw	4sw	3sw	slight	
26	4cu	10cu-st	3cu	5.7	3sw	3w	3w	light	
27	9st-cu	2st-cu	10cu-st	4.7	1sw	3w	1w	slight	
28	0	1cu	0	0.3	2sw	2w	0	light	
29	1ci	1cu	10st-cu	4.0	1w	1n	0	,,	
30	3st-cu	10st-cu	0	4.3	2w	3w	1w	,,	
31	0	3cu-st	3cu-ni	2.0	3s	3sw	1w	,,	
	mean			1.87					

Abbreviation : 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	Total
8:30	2	0	0	0	1	24	4	0	0	31
14:30	3	0	0	0	0	15	12	1	0	31
20:30	1	0	0	0	0	11	6	0	13	31
Total	6	0	0	0	1	50	22	1	13	93

Number of days with rain 0, fog 0, thunderstorm 0, gale. 0
71 yr. av. number of days with rain during month 0.17
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI, OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.
Longitude : 2h 21m 52s . 7 E.

August 1960

Jourdy Press — Tel. : 43010

AUGUST 1960
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8.30	41.30	20 30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	54.6	54.0	54.3	54.3	31.0	23.5	28.2	29.7	25.2	27.7
2	54.6	54.7	54.6	54.6	31.2	24.2	27.8	29.9	26.0	27.9
3	54.8	55.0	55.5	55.1	31.8	23.4	28.1	30.7	26.4	28.4
4	55.6	55.9	56.2	55.9	31.4	24.2	27.7	30.0	26.0	27.9
5	57.0	56.4	56.7	56.7	31.8	24.1	28.2	30.2	26.4	28.3
6	56.2	56.1	54.0	55.4	31.3	24.5	29.4	29.5	26.4	28.4
7	54.0	52.8	52.6	53.1	32.5	25.2	28.7	32.0	26.9	29.2
8	52.3	52.2	52.7	52.4	32.4	24.5	28.5	31.6	27.0	29.0
9	54.6	55.1	55.5	55.1	32.4	24.1	28.7	31.4	27.4	29.2
10	55.7	54.7	53.9	54.8	31.8	25.6	28.4	31.0	27.0	28.8
11	53.4	53.3	53.9	53.5	32.3	24.5	29.0	31.6	26.2	28.9
12	54.0	53.8	54.4	54.1	30.2	24.9	28.1	29.0	26.7	27.9
13	55.1	55.0	55.1	55.1	31.0	24.8	28.3	29.6	27.0	28.3
14	55.9	55.4	55.5	55.6	32.2	24.1	28.2	31.8	27.0	29.0
15	55.4	54.1	53.6	54.4	32.4	25.0	28.0	31.6	26.8	28.8
16	53.6	52.7	52.3	52.9	32.2	24.6	28.2	31.4	27.0	28.9
17	52.4	52.4	52.8	52.5	32.1	25.8	28.4	31.3	26.6	28.8
18	53.3	53.5	53.4	53.5	31.8	25.7	28.6	29.3	26.7	28.2
19	54.4	53.7	53.9	54.0	30.0	25.2	27.6	28.8	26.9	27.8
20	54.5	53.6	54.0	54.0	30.6	25.0	28.1	29.6	26.9	28.2
21	54.6	54.1	54.5	54.4	32.5	24.0	29.0	31.9	27.1	29.3
22	55.3	55.1	54.9	55.1	32.0	25.4	27.5	31.5	26.8	28.6
23	55.4	55.7	55.8	55.6	31.3	24.1	28.0	31.0	26.0	28.3
24	56.9	57.2	58.0	57.4	29.8	24.5	27.6	27.7	26.0	27.1
25	58.1	57.4	57.1	57.5	29.8	25.3	26.8	28.5	27.0	27.4
26	56.5	55.6	55.5	55.9	29.0	24.3	27.8	28.2	26.5	27.5
27	54.9	54.8	55.1	54.9	32.6	24.2	28.2	30.8	26.3	28.4
28	55.3	54.9	54.4	54.9	31.9	23.8	27.6	31.0	26.0	28.2
29	54.6	54.5	55.0	54.7	30.0	23.8	27.0	29.2	27.6	27.9
30	55.3	55.2	55.9	55.5	30.0	23.7	27.0	29.3	25.2	27.2
31	57.1	57.1	57.6	57.3	30.1	23.8	26.6	29.5	26.6	27.6
	55.01	54.71	54.80	54.84	31.33	24.51	28.04	30.28	26.57	28.29

Barometer, range 758.1 mm – 752.2 mm
" " 71-yrs. average 756.00 mm
Thermometer, range 32.6°C – 23.4°C
" " 82-yrs. average 27.8°C
Rain, total for month o.oo
" " 82-yrs. average for month 0.4 mm
" " total from Sept, 1 629.77 mm
" " 82-yrs. average from Sept. 1 892.96 mm

AUGUST 1960
METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour 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.	Kmer	m. m.
1	24.9	22.5	23.4	23.6	65	54	73	64	9.1	93	
2	24.7	25.3	25.7	25.2	66	60	76	67	12.0	100	
3	27.3	27.7	26.7	27.2	72	63	77	71	12.0	138	
4	27.1	26.6	26.9	26.9	73	63	80	72	12.2	113	
5	28.6	29.1	29.2	29.0	74	68	85	76	12.0	87	
6	28.6	30.2	29.2	29.3	70	73	85	76	12.4	58	
7	29.2	31.1	28.5	29.6	74	65	80	73	12.4	142	
8	28.0	30.3	30.1	29.4	72	65	84	74	12.1	274	
9	24.7	26.6	26.0	25.8	63	57	71	64	12.0	198	
10	25.2	27.4	27.5	26.7	65	61	77	68	11.8	203	
11	24.3	25.9	26.1	25.4	61	55	76	64	11.8	249	
12	26.7	26.8	27.7	27.1	70	67	79	72	12.1	71	
13	23.0	23.3	26.1	24.1	60	56	73	63	12.3	89	
14	27.5	25.2	25.8	26.2	72	54	73	66	12.2	45	
15	30.3	29.8	29.2	29.8	81	64	83	76	12.2	142	
16	29.2	29.4	30.1	29.6	76	64	84	75	11.4	135	
17	27.2	28.0	28.9	28.0	70	61	83	71	11.9	77	
18	24.1	26.8	27.5	26.1	62	66	79	69	5.2	63	
19	28.1	27.5	28.8	28.1	76	70	81	76	9.5	68	
20	28.4	29.0	26.8	28.1	74	70	76	73	11.5	58	
21	29.8	30.4	27.7	29.3	74	64	77	72	11.8	103	
22	25.6	26.8	24.4	25.6	70	57	70	66	12.0	208	
23	21.5	24.3	23.2	23.0	57	54	69	60	10.3	137	
24	20.9	18.7	14.2	17.9	57	51	44	51	12.1	214	
25	15.3	16.1	18.6	16.7	43	42	52	46	11.8	386	
26	18.0	26.9	29.2	24.7	48	70	84	67	12.0	299	
27	24.9	27.6	28.3	26.9	65	62	82	70	11.8	111	
28	21.8	27.4	27.0	25.4	60	61	80	67	11.8	74	
29	24.8	20.2	16.4	20.5	70	49	45	55	11.2	106	
30	19.5	22.2	21.5	21.1	54	54	67	58	11.9	92	
31	22.8	23.1	22.8	22.9	66	55	66	62	11.8	53	
	25.22	26.20	25.92	25.78	66.4	60.5	74.5	67.2	11.50	135.03	

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1·25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

AUGUST 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	10st	0	3.7	3sw	3sw	1sw	light	
2	0	9st	0	3.0	3sw	3sw	1sw	,,	
3	0	3cu-st	8uu-st	3.7	4sw	3sw	2sw	,,	
4	2st	3st	0	1.7	3sw	3sw	0	,,	
5	0	0	0	0.0	3sw	3w	0	,,	D; p.m.
6	4st	0	0	1.3	3sw	3n	0	light	D; p.m.
7	2st	4cu-st	0	2.0	1sw	3sw	1sw	,,	D; p.m.
8	0	2st	0	0.7	4sw	4sw	2sw	,,	D; p.m.
9	0	5st	10st-cu	5.0	4sw	4sw	2sw	,,	
10	2st	4st	0	2.0	4sw	4sw	4sw	,,	
11	1cu	0	0	0.3	3sw	3sw	0	light	
12	0	0	0	0.0	3ne	3ne	0	,,	
13	0	0	0	0.0	3n	2ne	0	,,	
14	2ci	0	0	0 7	1w	1nw	0	,,	
15	6st	0	0	2.0	4sw	3sw	1sw	,,	D; [illegible]. p.m
16	4st	0	0	1.3	3sw	3sw	2sw	light	D; p.m.
17	0	1st	0	0.3	4sw	3sw	1sw	,,	D; p.m.
18	0	10st	0	3.3	3sw	3w	0	,,	
19	9st	0	0	3.0	3ne	3ne	1ne	,,	D; p.m.
20	0	0	0	0.0	3w	2w	0	,,	
21	3st-ci	0	0	1.0	3sw	4sw	2sw	light	
22	0	4st	3 st-cu	2 3	4sw	4sw	4sw	,,	
23	6cu-st	7st	1cu	4 7	3sw	3sw	0	,,	
24	1cu-st	0	0	0.3	3w	4ne	4ne	slight	
25	0	0	0	0.0	3ne	4ne	5ne	,,	
26	0	0	0	0 .0	3ne	3ne	1ne	light	D; p.m.
27	0	0	0	0.0	3sw	3w	0	,,	D; p.m.
28	0	1ci	0	0.3	1sw	2w	0	,,	
29	0	0	0	0 0	1n	3ne	3ne	,,	
30	0	0	0	0.0	2ne	3nw	0	,,	
31	0	0	0	0.0	1ne	3ne	2ne	,,	
				1.37					

Abbreviation : 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	Total
8:30	2	6	0	0	0	20	3	0	0	31
14:30	1	8	0	0	0	15	5	2	0	31
20:30	0	6	0	0	0	12	0	0	13	31
Total	3	20	0	0	0	47	8	2	13	93

Number of days with rain 0, fog 0, thunderstorm 0, gale. 0
71 yr. av. number of days with rain during month 0.18
Time of reading minus 2 hours equals G.C.T

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.
Longitude : 2^h 21^m 52^s . 7 E.

September 1960

Jourdy Press — Tel. : 43010

SEPTEMBER 1960
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.1	57.3	57.1	57.5	29.7	23.8	26.6	28.7	27.2	27.5
2	57.0	55.4	55.3	55.9	28.9	23.4	27.5	28.4	25.7	27.2
3	55.1	52.3	54.5	54.0	31.3	23.6	26.8	30.5	25.9	27.7
4	55.9	54.5	55.0	55.1	30.8	24.6	27.0	29.7	25.9	27.5
5	55.9	55.7	56.1	55.9	30.0	24.4	26.7	28.1	25.5	26.8
6	56.9	56.4	56.7	56.7	28.5	24.5	26.8	27.9	25.7	26.8
7	56.1	55.7	55.7	55.8	30.8	24.2	27.2	28.8	25.9	27.3
8	56.2	56.1	56.9	56.4	29.6	23.2	27.0	28.7	26.5	27.4
9	58.1	57.9	58.5	58.2	31.7	23.6	27.0	31.4	26.1	28.2
10	58.6	58.0	57.9	58.2	29.8	24.2	27.3	28.7	26.4	27.5
11	57.6	56.7	56.6	57.0	30.1	24.4	27.0	29.0	25.8	27.3
12	56.4	56.2	56.4	56.3	31.7	24.2	26.4	31.4	26.6	28.1
13	57.0	56.7	57.3	57.0	31.5	24.5	27.0	29.4	25.6	27.3
14	58.0	57.6	58.3	58.0	29.0	24.5	26.3	28.0	25.8	26.7
15	58.9	58.7	59.3	59.0	30.1	23.6	26.0	29.4	25.0	26.8
16	59.6	58.5	59.2	59.1	29.8	23.4	25.6	28.0	25.3	26.3
17	59.8	59.4	60.3	59.8	29.8	23.9	26.2	29.4	24.9	26.8
18	60.6	59.8	59.9	60.1	29.8	23.2	26.5	27.9	25.0	26.5
19	59.9	59.2	58.9	59.3	28.1	23.2	25.2	27.4	25.9	26.2
20	59.5	58.8	59.0	59.1	29.2	22.2	25.5	28.9	24.6	26.3
21	59.2	58.8	58.6	58.9	28.5	22.6	24.8	27.7	24.5	25.7
22	58.9	58.5	59.1	58.8	28.8	22.2	25.3	28.4	24.1	25.9
23	59.9	59.5	59.9	59.8	30.0	23.1	25.0	29.4	24.5	26.3
24	59.9	59.5	59.9	59.8	29.5	21.2	25.8	28.8	24.0	26.2
25	60.7	60.3	60.9	60.6	28.0	22.1	24.2	27.6	24.3	25.4
26	61.6	60.8	60.8	61.1	28.8	22.0	24.2	28.3	23.5	25.3
27	60.7	60.1	60.3	60.4	28.8	19.0	24.6	28.1	24.3	25.7
28	60.7	60.4	61.2	60.8	27.5	21.2	22.2	26.4	23.1	23.9
29	61.1	60.6	61.4	61.0	27.3	22.4	23.8	26.5	24.0	24.8
30	62.3	61.2	61.9	61.8	27.7	21.5	24.4	27.4	22.6	24.8
31										
	58.67	58.02	58.43	58.38	29.50	23.13	25.86	28.61	25.14	26.54

Barometer, range 761.9 mm – 752.3 mm
" " 71-yrs. average 758.74 mm
Thermometer, range 31.7°C – 19.0°C
" " 82-yrs. average 26.4°C
Rain, total for month 20.34mm
" " 82-yrs. average for month 6.7 mm
" " total from Sept, 1 20.34 mm
" " 82-yrs. average from Sept. 1 6.65 mm

SEPTEMBER 1960
METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour 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.	Kmsr	m. m.
1	20.3	21.7	19.8	20.6	59	55	54	56	11.8	169	
2	17.6	25.2	27.8	23.5	47	65	84	65	11.3	212	
3	26.6	27.6	27.0	27.1	76	64	80	73	9.4	87	
4	23.4	22.1	23.5	23.0	66	53	71	63	9.3	82	
5	23.9	23.2	23.9	23.7	68	61	73	67	4.4	50	
6	26.0	25.3	26.2	25.8	74	68	80	74	0.0	21	
7	24.1	27.5	27.6	26.4	67	70	82	73	7.3	32	
8	27.5	24.7	29.2	27.1	77	71	84	77	8.4	35	
9	28.5	29.9	29.5	29.3	80	65	87	77	9.2	60	
10	30.1	28.9	29.5	29.5	83	74	86	81	8.9	42	
11	29.9	28.3	27.1	28.4	84	71	81	79	9.2	29	
12	26.9	29.9	27.8	28.2	78	65	80	74	9.4	77	
13	29.0	28.0	27.6	28.2	81	69	84	78	9.1	84	
14	23.3	21.5	21.5	22.1	67	57	65	63	7.4	43	
15	21.8	22.9	21.6	22.1	65	55	68	63	7.9	97	
16	19.7	19.2	19.3	29.4	61	51	60	57	7.8	66	
17	21.1	21.1	21.4	21.2	62	52	65	60	8.4	106	
18	21.3	23.8	24.1	23.1	62	64	76	67	7.1	71	
19	21.0	22.0	23.5	22.2	65	60	71	65	9.4	93	
20	20.5	16.9	19.7	19.0	63	42	64	56	9.6	76	
21	19.1	19.2	18.7	19.0	62	52	61	58	9.4	47	
22	17.5	18.9	19.0	18.5	54	48	64	55	9.3	47	
23	19.4	23.9	24.2	22.5	62	58	79	66	9.4	42	
24	24.4	21.4	20.6	22.1	73	54	70	66	9.2	72	
25	23.7	19.8	20.0	21.2	79	54	66	66	8.2	53	4.20
26	18.7	18.3	17.5	18.2	62	47	60	56	7.8	66	0.10
27	17.9	18.5	18.8	18.4	58	48	62	56	9.1	90	
28	19.5	20.9	19.7	20.0	72	61	70	68	8.3	79	16.04
29	17.7	19.7	20.1	19.2	61	56	68	62	9.5	71	
30	19.0	17.9	19.0	18.6	61	48	70	60	7.3	60	
31											
	22.65	22.94	23.17	22.92	67.6	58.6	72.2	66.0	8.43	71.97	0.68

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1·25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

SEPTEMBER 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1ne	3ne	3ne	light	
2	0	0	0	0.0	3ne	4ne	0	,,	D; p.m.
3	1st	2cu-ci	1cu	1.3	2sw	3w	2sw	,,	D; p.m.
4	4cu	2cu-ci	2cu	2.7	2sw	2sw	1sw	,,	
5	6st	10st	3st	6.3	3sw	3w	0	,,	
6	10st	10st	10st	10.0	3sw	2sw	0	light	
7	0	10st	4st	4.7	3ne	3n	0	,,	
8	8st	0	0	2.7	2ne	3ne	1ne	,,	D; p.m.
9	0	0	0	0.0	3sw	3sw	0	,,	D; p.m.
10	8st	0	0	2.7	3ne	2ne	0	,,	D; p.m.
11	4st	0	0	1.3	1w	2n	0	light	D; p.m.
12	0	0	0	0.0	3sw	3sw	2sw	,,	D; p.m.
13	0	4st	1cu	1.7	3sw	3nw	0	,,	D; p.m.
14	9st	3st	6st	6 0	2sw	3ne	1ne	,,	
15	4cu-st	3cu-st	3cu-st	3.3	2nw	3w	2nw	,,	
16	2cu	10st	5cu	5.7	3sw	3w	2sw	light	
17	5cu-st	5cu-st	5cu-st	5.0	3sw	2w	0	,,	
18	1st	2cu-st	1st	1.3	1sw	3n	0	,,	D; p.m.
19	0	0	0	0.0	2ne	3ne	3ne	,,	
20	0	0	0	0.0	2ne	2nw	0	,,	
21	0	0	0	0.0	2sw	2ne	1ne	light	
22	0	0	0	0.0	2ne	2nw	0	,,	
23	0	0	0	0.0	2sw	2sw	0	,,	D; p.m.
24	1cu	2ci-cu	0	1.0	3sw	2w	0	,,	
25	8ni-cu	0	6cu-st	4.7	1s	1nw	2nw	,,	
26	9cu-ni	2cu-st	0	3.7	2sw	3sw	0	light	
27	4cu	4cu-st	10st-ni	6.0	3sw	3sw	2sw	,,	
28	9cu-ni	3cu-st	5cu-st	5.7	3sw	2nw	0	,,	
29	0	5cu-st	10cu-st	5 0	1e	3nw	0	,,	
30	10st	4st	1st	5.0	3sw	3sw	0	,,	
31									
				2.86					

Abbreviation : 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	Total
8:30	0	8	1	0	1	18	1	1	0	30
14:30	3	7	0	0	0	8	6	6	0	30
20:30	0	5	0	0	0	5	0	2	18	30
Total	3	20	1	0	1	31	7	9	18	90

Number of days with rain 3, fog 0, thunderstorm 0, gale. 0
71-yrs. average number of days with rain during month 1.13
Time of reading minus 2 hours equals G.C.T

of Beirut

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

LIBRARY
DEC 30 1960
WEATHER BUREAU

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2h 21m 52s . 7 E.

October 1960

Jourdy Press — Tel. : 43010

OCTOBER 1960
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.9	61.8	62.0	62.2	26.7	22.2	23.9	25.6	24.9	24.8
2	61.9	61.7	60.6	61.4	27.4	22.7	25.7	26.0	24.6	25.4
3	60.8	59.3	59.6	59.9	27.1	21.3	24.3	26.2	23.5	24.7
4	60.1	59.1	59.5	59.6	28.4	21.2	23.8	27.3	23.5	24.9
5	59.9	59.0	58.9	59.3	29.3	21.9	24.0	28.4	24.5	25.6
6	60.6	60.7	61.1	60.8	26.8	20.1	23.7	25.8	22.5	24.0
7	61.9	61.0	61.0	61.3	25.5	21.0	22.4	24.9	23.3	23.5
8	61.5	60.7	61.7	61.3	67.6	22.3	23.4	26.5	22.6	24.2
9	62.5	62.1	62.6	62.4	29.2	22.5	25.5	28.5	24.2	26.1
10	63.2	62.6	62.7	62.8	29.0	21.2	25.2	27.8	23.4	25.5
11	62.7	61.4	61.3	61.8	26.0	20.7	23.3	25.0	22.4	23.6
12	61.5	60.4	60.9	60.9	27.2	21.6	23.0	25.8	24.6	24.5
13	61.9	61.6	62.5	62.0	27.1	21.9	24.1	25.8	23.8	24.6
14	63.9	62.9	64.0	63.6	29.5	23.0	25.0	28.2	25.0	26.1
15	64.5	63.1	62.9	63.5	28.7	22.7	25.4	27.0	24.1	25.5
16	62.4	61.2	61.6	61.7	27.0	21.6	24.5	26.6	23.3	24.8
17	61.7	60.5	60.7	61.0	26.3	21.6	23.5	25.3	24.0	24.3
18	60.2	58.2	57.6	58.7	26.7	22.5	23.5	25.5	24.0	24.3
19	58.1	57.9	59.2	58.4	28.1	18.7	24.0	27.5	23.4	25.0
20	62.0	62.5	64.0	62.8	36.3	20.2	22.8	24.6	21.5	23.0
21	65.4	64.8	64.9	65.0	24.5	19.0	22.2	23.9	22.4	22.8
22	64.4	63.0	63.1	63.5	24.9	20.3	21.4	24.5	24.0	23.3
23	64.3	63.7	64.0	64.0	26.1	21.0	22.8	25.6	23.2	23.4
24	64.7	64.0	64.1	64.3	26.2	20.6	23.1	25.0	22.6	23.6
25	63.7	62.6	62.5	62.9	25.7	20.5	22.4	24.8	23.0	23.4
26	62.3	61.0	60.9	61.4	26.5	22.3	23.2	25.7	22.5	23.8
27	61.4	69.9	60.6	60.6	30.5	21.6	27.4	28.7	24.5	26.9
28	62.7	62.0	62.3	62.3	28.3	21.4	23.3	27.0	23.0	24.4
29	62.1	63.4	61.6	62.4	28.1	21.5	23.4	25.5	23.4	24.1
30	61.7	60.0	61.1	60.9	27.0	23.7	24.8	25.1	23.7	24.5
31	61.3	60.4	61.0	60.9	29.8	21.2	25.3	28.0	23.5	25.6
	62.20	61.37	61.63	61.73	27.34	21.42	23.88	26.20	23.51	24.54

Barometer, range 765.4 mm — 757.6 mm
" " 71-yrs. average 761.31 mm
Thermometer, range 30.5°C – 18.7°C
" " 82-yrs. average 23.8°C
Rain, total for month 28.75mm
" " 82-yrs. average for month 47.2 mm
" " total from Sept, 1 49.09 mm
" " 82-yrs. average from Sept. 1 53.83 mm

OCTOBER 1960
METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour 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.	Kmsr	m. m.
1	16.5	23.6	24.4	21.5	56	72	78	69	9.4	126	
2	20.8	24.7	25.9	23.8	63	73	84	73	9.6	188	
3	19.7	23.1	22.9	21.9	65	67	78	70	9.6	116	
4	21.7	23.9	23.3	23.0	74	66	80	73	9.4	40	
5	21.0	26.2	24.5	23.9	71	68	79	73	9.1	113	
6	19.7	15.2	17.2	17.4	68	45	63	59	9.4	103	9.11
7	12.3	15.3	17.9	15.2	45	49	63	52	9.7	61	
8	16.8	22.8	20.5	20.0	58	65	75	66	9.0	29	
9	22.6	22.3	22.3	22.4	69	57	74	67	8.6	97	
10	20.1	21.2	20.7	20.7	63	57	71	64	8.9	66	
11	15.8	19.8	20.8	18.8	55	63	76	65	9.3	95	
12	17.9	19.6	22.0	19.8	64	59	72	65	9.1	47	
13	19.0	21.9	24.1	21.7	64	66	82	72	8.9	66	
14	20.3	20.4	26.2	22.3	64	53	83	67	8.8	37	
15	23.7	28.0	26.1	25.9	73	79	87	80	9.4	32	
16	25.0	26.5	24.5	25.3	81	77	86	81	10.3	23	
17	23.6	24.1	25.4	24.4	81	75	85	80	10.3	39	
18	21.8	21.0	24.9	22.6	75	64	83	74	7.4	68	
19	23.4	23.2	22.9	23.2	79	63	77	73	10.0	188	
20	17.6	15.7	16.0	16.4	64	51	62	59	7.6	167	19.64
21	14.9	15.3	16.1	15.4	55	52	59	55	10.4	98	
22	15.9	17.5	20.1	17.8	62	56	68	62	10.4	127	
23	17.6	20.0	23.2	20.3	64	62	81	69	10.1	60	
24	19.7	20.3	23.7	21.0	70	64	86	73	10.0	55	
25	19.3	22.8	24.3	22.1	71	73	86	77	10.2	39	
26	22.3	22.7	23.0	22.7	78	69	84	77	7.3	6	
27	13.5	12.0	25.7	17.1	36	30	83	50	5.5	24	
28	21.0	19.5	25.1	21.9	73	54	89	72	10.0	71	
29	16.4	24.2	26.3	22.3	56	74	91	74	8.4	8	
30	21.8	23.0	18.7	21.2	70	72	64	69	4.1	6	
31	13.4	22.0	20.5	18.6	41	58	71	57	7.7	32	
	19.20	22.94	22.55	20.99	64.8	62.3	77.4	68.2	8.96	71.84	0.93

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1·25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

OCTOBER 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	5cu-ni	2cu-ci	2.3	2ne	3ne	3ne	slight	
2	0	0	0	0.0	1ne	3ne	2ne	,,	D; p.m.
3	0	0	0	0.0	3ne	3ne	0	light	D; p.m.
4	0	0	0	0.0	2sw	2w	0	,,	D; o.m.
5	0	7cu-st	0	2.3	2sw	3sw	2sw	,,	D; p.m.[1]
6	0	0	0	0.0	1nw	3ne	1ne	light	
7	0	0	0	0.0	1se	3ne	1ne	,,	
8	0	0	0	0.0	2e	1w	0	,,	D; p.m.
9	2st-cu	5cu-st	8cu-st	5.0	3sw	2sw	0	,,	
10	1cu	3cu	0	1.3	3sw	3w	0	,,	
11	0	0	0	0.0	2ne	3ne	1ne	light	D; p.m.
12	0	0	0	0.0	1ne	3ne	3ne	,,	
13	0	0	0	0.0	2ne	3ne	0	,,	D; p.m.
14	0	0	0	0.0	3ne	2ne	0	,,	D; p.m.
15	4ci	8ci	0	4.0	1ne	2ne	0	,,	D; p.m.
16	1st	1st	0	0.7	1ne	2ne	0	light	D; a.m.p.m.
17	0	0	0	0.0	2nw	3ne	3ne	,,	D; a.m' p.m.
18	2ci	10ci-st	0	4.0	3sw	3ne	3sw	,,	D; a.m. p.m.
19	0	0	0	0.0	3sw	3sw	2sw	,,	
20	4cu	8cu-st	4cu	5.3	4sw	3sw	0	,,	T; p.m.
21	0	0	0	0.0	2ne	3ne	3ne	light	Good, visibility
22	0	0	0	0.0	2ne	3ne	4ne	slight	
23	1st	2st	0	1.0	1ne	2ne	0	light	
24	0	0	0	0.0	1ne	3ne	0	,,	D; a.m. p.m.
25	0	0	0	0.0	2ne	3ne	0	,,	D; a.m. pm.
26	8ci	10ci-st	8ci-st	8.7	3ne	2ne	0	light	D; a.m. p.m.
27	9ci	10ci-st	5ci-st	8.0	1sw	2ne	3sw	,,	D; p.m.
28	0	0	0	0.0	2sw	1ne	1ne	,,	D; a.m. p.m.
29	0	7ci-st	5ci-st	4.0	1sw	1ne	1ne	,,	D; a.m. p.m.
30	9ci-st	10st	7ci-st	8.7	1ne	2ne	0	,,	
31	6ci	0	0	2.0	1w	2sw	1sw	,,	
				1.85					

Abbreviation : 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	Total
8:30	0	16	1	1	0	10	1	2	0	31
14:30	0	23	0	0	0	5	3	0	0	31
20:30	0	11	0	0	0	5	0	0	15	31
Total	0	50	1	1	0	20	4	2	15	93

Number of days with rain 2, fog 0, thunderstorm 1, gale. 0
71-yrs. average number of days with rain during month 3.84
Time of reading minus 2 hours equals G.C.T

of Beirut

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

November 1960

LIBRARY
MAR 1 1961
WEATHER BUREAU

Jourdy Press — Tel. : 43010

NOVEMBER 1960
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.8	58.0	58.0	58.6	27.4	15.9	23.2	25.1	23.0	23.8
2	56.4	56.0	57.1	56.5	23.6	16.0	16.0	15.9	18.6	16.8
3	59.3	59.9	60.7	60.0	21.3	18.3	20.7	18.6	19.0	19.4
4	61.5	61.3	61.6	61.5	24.0	17.6	20.0	19.2	17.5	18.9
5	62.5	61.6	62.5	62.2	24.0	19.1	20.2	22.5	20.5	21.1
6	63.5	62.4	62.7	62.9	24.0	19.4	21.3	23.0	20.5	21.6
7	62.3	61.3	61.7	61.8	25.0	20.0	20.8	23.4	21.0	21.7
8	62.5	62.0	62.7	62.4	25.0	19.9	21.4	23.5	21.5	22.1
9	63.6	62.1	62.9	62.9	23.5	18.9	21.5	22.8	22.0	22.1
10	62.8	61.5	61.7	62.0	23.7	18.5	20.2	22.3	20.3	20.9
11	62.2	61.4	61.9	61.8	24.2	19.7	20.5	23.0	21.0	21.5
12	63.5	62.6	63.0	63.0	26.1	20.1	22.0	24.0	21.5	22.5
13	63.0	61.8	61.6	62.1	24.9	20.6	22.5	23.5	21.5	22.5
14	61.5	59.8	60.3	60.5	25.0	21.5	21.3	23.7	22.5	22.5
15	60.6	59.4	59.5	59.8	26.6	21.0	22.4	24.4	22.0	22.9
16	60.7	59.6	59.8	60.0	26.1	16.2	22.4	24.0	21.0	22.5
17	59.5	57.3	61.9	59.6	23.8	13.4	18.0	22.4	19.5	20.0
18	57.0	56.3	56.9	56.7	20.2	14.7	14.5	18.7	19.5	17.6
19	60.0	60.8	61.4	60.7	20.6	15.7	19.8	20.5	18.0	19.4
20	64.3	63.9	65.2	64.5	22.6	15.7	21.0	20.7	17.0	19.6
21	65.9	65.0	65.3	65.4	21.2	16.8	17.4	19.8	17.5	18.2
22	64.7	64.1	64.1	64.3	22.2	16.5	21.5	21.0	19.5	20.7
23	63.5	61.2	60.9	61.9	21.2	17.7	17.5	20.6	19.0	19.0
24	60.2	58.9	59.8	59.6	24.5	18.8	20.0	22.1	20.2	20.8
25	61.8	61.2	61.5	61.5	24.5	18.4	21.0	22.7	20.0	21.2
26	61.7	60.0	59.4	60.4	23.8	14.2	20.4	22.0	19.0	20.5
27	59.1	58.6	59.6	59.1	20.0	14.0	19.0	18.5	14.0	17.2
28	62.1	62.0	64.3	62.8	21.2	16.5	17.2	19.6	17.5	18.1
29	66.1	65.7	66.6	66.1	20.9	16.5	18.5	19.0	18.3	18.6
30	67.2	65.9	66.0	66.4	22.3	16.7	20.5	21.5	18.2	20.1
31										
	61.96	61.05	61.69	61.57	23.45	17.61	20.09	21.60	19.69	20.46

Bnrometer, range 767.2 mm — 756.0 mm
» » 71-yrs. average 762.63 mm.
Thermometer, range 27.4 °C — 13.4 °C
« » 82-yrs. average 19.5 °C
Rain. total for month 205.35 mm
» » 82-yrs. average for month 133.4 mm
« » total from Sept. 1st 254.44 mm
« » 82-yrs. average from Sept. 1st 187.27 mm

NOVEMBER 1960
METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour 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.	Kmsr	m. m.
1	20.9	23.3	20.6	21.6	73	73	73	73	8.2	106	
2	15.7	16.4	15.1	15.7	87	92	71	83	2.6	161	21.62
3	16.2	16.0	16.5	16.2	67	76	76	73	0.0	69	0.82
4	17.8	20.4	17.4	18.5	76	92	87	85	1.5	77	17.70
5	17.7	18.0	18.5	18.1	75	66	76	72	9.1	13	
6	18.7	19.0	22.4	20.0	73	68	79	73	9.2	18	
7	19.3	18.9	18.3	18.8	78	65	73	72	9.2	34	
8	14.4	17.7	18.5	16.9	55	61	72	63	9.5	27	
9	14.5	19.3	18.5	17.4	55	70	70	65	9.5	154	
10	16.0	15.5	16.8	16.1	68	58	70	65	9.4	19	
11	15.2	16.3	18.3	16.6	62	58	73	64	9.4	50	
12	18.2	20.1	19.9	19.4	70	68	76	71	9.4	21	
13	18.0	16.9	19.9	18.3	66	58	76	67	6.5	37	
14	19.2	20.6	11.6	17.1	75	71	42	63	9.0	42	
15	18.4	19.9	20.6	19.6	68	65	77	70	7.3	58	
16	19.3	20.6	18.3	19.4	71	70	73	71	8.7	23	
17	15.0	17.9	17.5	16.8	73	66	77	72	4.6	163	36.41
18	14.2	16.5	12.5	14.4	86	77	54	72	2.6	301	57.59
19	10.3	11.2	11.0	10.8	44	45	53	47	7.7	330	3.00
20	13.3	11.5	11.7	12.2	53	48	60	54	5.9	14	
21	11.8	14.1	13.2	13.0	58	60	66	61	8.5	24	
22	14.9	15.8	16.4	15.7	57	63	72	64	8.7	76	
23	11.9	13.4	12.7	12.7	58	55	58	57	8.7	68	
24	13.1	17.1	13.3	14.5	56	64	56	59	7.2	16	
25	18.8	21.2	19.9	20.0	75	77	85	79	4.9	77	
26	19.2	18.7	15.4	17.8	79	71	70	73	7.3	106	
27	16.5	15.2	15.3	15.7	76	71	95	81	0.0	116	61.47
28	15.5	16.9	14.8	15.7	80	75	74	76	7.7	76	2.55
29	14.0	18.1	16.0	16.0	66	83	76	75	1.6	84	4.19
30	17.6	16.2	14.8	16.2	73	62	71	69	4.0	55	
31											
	16.19	17.42	16.52	16.71	68.4	67.6	71.0	69.0	6.60	80.50	6.84

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from readinge of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above groend 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

NOVEMBER 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu-st	9st	10st-ci	6.7	3sw	3sw	1sw	light	D; a.m. Hallow
2	10st	10st	10st-ni	10.0	4s	3s	2sw	,,	W. p.m.
3	10st	10st	10st	10.0	2ne	1sw	1sw	,,	
4	10st	10ni	0	6.7	2sw	3s	1sw	,,	T. p.m.
5	0	0	0	0.0	1e	1ne	1ne	,,	
6	0	0	0	0.0	1se	1nw	1nw	light	
7	0	2cu-st	0	0.7	1ne	2ne	0	,,	D; a.m.
8	0	1cu	0	0.3	2sw	3ne	0	,,	
9	0	1st	1ci	0.7	3ne	4ne	1ne	,,	
10	3ci	0	0	1.0	1s	3ne	1ne	,,	D; a.m.
11	0	0	0	0.0	1e	1w	1sw	light	D; a.m.
12	1cu	3cu-ci	1ci	1.7	1sw	1ne	0	,,	D; a.m.
13	9st-ci	7st-ci	0	5.3	1sw	1sw	1sw	,,	D; a.m.
14	0	5ci-cu	0	1.7	0	1ne	1ne	,,	D;a.m.Hotwindatnight
15	3ci	5ci-st	0	2.7	1sw	1ne	1ne	,,	
16	2cu-st	10ci	0	4.0	2sw	2n	0	light	D; a.m.
17	10st-cu	1cu-st	8cu-st	6.3	3sw	4sw	3sw	,,	T; a.m' p.m.
18	10cu-st	10cu-st	3cu-st	7.7	4s	5w	4sw	slight	T; a.m.
19	10cu-st	5cu-st	3cu	5.7	5n	2ne	1ne	light	
20	1cu	1cu	0	0.7	1sw	1sw	2sw	,,	
21	0	0	0	0.0	0	1ne	0	light	
22	0	0	0	0.0	1ne	1ne	1ne	,,	
23	0	0	0	0.0	1e	3ne	1ne	,,	
24	7ci	10ci	1ci	6.0	1s	1w	0	,,	D; a.m.
25	10ci	10st-ci	5st-ci	8.3	2sw	2w	1sw	,,	
26	10st-ci	3cu-st	10cu-st	7.7	2s	1sw	2sw	light	
27	10cu-st	10cu-ni	10cu-ni	10.0	1sw	2sw	1sw	,,	T; a.m.
28	2cu	6cu-st	0	2.7	2sw	3sw	1sw	,,	
29	10st	10st-ni	10st-ni	10.0	2s	2sw	2sw	,,	
30	8cu-st	5cu-st	6ci	6.3	1s	1sw	1sw	,,	Tr; p.m.
31									
				4.10					

Abbreviation : 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	Total
8:30	1	4	3	1	7	12	0	0	2	30
14:30	1	12	0	0	2	10	4	1	0	30
20:30	0	8	0	0	0	15	0	1	6	30
Total	2	24	3	1	9	37	4	2	8	90

Number of days with rain 9, fog 0, Thunderstorms 4, gale 0

71-yrs. average number of days with rain during month 9.4

of Beirut

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

December 1960

LIBRARY
MAR 1 1961
WEATHER BUREAU

Jourdy Press — Tel. : 43010

DECEMBER 1960
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	66.0	65.7	66.3	66.0	21.5	16.3	18.5	20.7	18.5	19.2
2	66.8	65.5	66.2	66.2	22.6	16.6	19.0	19.5	17.5	18.7
3	65.6	63.9	62.8	64.1	24.1	17.9	18.5	21.5	18.1	19.4
4	61.7	61.0	61.8	61.5	23.1	17.7	18.3	22.6	19.5	20.1
5	63.2	62.4	62.3	62.6	22.9	17.5	18.7	20.4	17.5	18.9
6	62.5	62.3	63.8	62.9	20.1	15.5	18.0	17.0	16.5	17.2
7	65.1	64.1	64.5	64.6	21.4	15.6	17.0	19.0	18.0	18.0
8	65.5	64.4	65.1	65.0	20.5	16.6	17.5	19.4	17.5	18.1
9	66.4	65.4	65.1	65.6	20.5	16.0	17.7	19.8	18.0	18.5
10	65.9	64.3	64.4	64.9	20.9	16.9	07.5	20.0	18.0	18.5
11	63.4	62.7	63.0	63.0	21.6	18.3	18.8	21.0	19.0	19.6
12	64.2	61.6	61.8	62.5	20.2	16.8	19.8	18.0	18.0	18.6
13	60.6	61.4	61.6	61.2	22.0	17.6	19.0	21.3	20.5	20.3
14	64.5	63.9	64.8	64.4	21.7	16.9	19.7	20.9	19.6	20.1
15	65.9	64.9	65.1	65.3	20.9	16.1	18.1	20.0	19.0	19.0
16	65.8	64.9	64.9	65.2	19.7	15.1	17.2	19.3	17.5	18.0
17	64.6	63.6	63.8	64.0	19.7	15.0	16.7	19.5	17.1	17.8
18	64.6	63.0	62.9	63.5	21.2	15.6	17.5	17.5	16.5	17.2
19	63.8	62.6	63.0	63.1	19.1	14.5	16.4	18.6	17.0	17.3
20	63.0	62.6	63.4	63.0	19.2	15.4	15.9	18.3	18.5	17.6
21	64.7	63.8	63.7	64.1	19.5	15.1	16.4	18.7	17.0	17.4
22	63.6	61.3	61.1	62.0	20.1	15.6	16.4	19.5	17.5	17.8
23	60.9	59.6	60.1	60.2	21.6	15.0	17.0	19.2	17.0	17.7
24	59.7	58.8	59.8	59.4	20.1	16.2	18.0	19.0	17.0	18.0
25	60.5	61.8	63.2	61.8	21.5	14.9	19.0	18.5	16.0	17.8
26	64.2	63.9	64.1	64.1	20.9	18.6	18.5	19.2	19.0	18.9
27	61.9	62.6	60.8	61.8	23.0	20.1	20.1	20.3	20.6	20.3
28	56.9	57.0	60.0	58.0	22.0	14.0	20.8	21.3	16.0	19.4
29	62.5	62.1	63.0	62.5	20.4	15.5	16.7	18.6	16.5	17.3
30	63.5	62.0	61.2	62.2	20.7	15.3	17.2	18.4	17.5	17.7
31	60.9	60.0	60.5	60.5	19.7	14.4	17.5	19.0	17.5	18.0
	63. .0	62.68	63.03	63.07	21.04	16.21	17.98	19.55	17.85	18.43

Barometer, range 766.8 mm — 756.9 mm
» » 71-yrs. average 763.23 mm.
Thermometer, range 24.1 °C — 14,0 °C
« » 82-yrs. average 15.6 °C
Rain. total for month 51.01 mm
» » 82-yrs. average for month 188.0 mm
« » total from Sept. 1st. 305.45 mm
« » 82-yrs. average from Sept. 1st. 375.27 mm

DECEMBER 1960

METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour 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.	Kmsr	m. m.
1	14.2	16.7	15.2	15.4	67	69	71	69	7.5	159	
2	12.9	15.2	13.0	13.7	59	67	64	63	8.4	21	
3	11.1	12.8	11.0	11.6	51	49	53	51	7.0	42	
4	10.8	18.7	17.3	15.6	50	69	76	65	0.8	63	
5	15.4	17.1	14.9	15.8	72	71	75	73	8.0	79	
6	12.4	15.3	13.8	13.8	60	80	73	71	0.0	39	1.10
7	10.0	13.4	13.7	12.4	51	61	67	60	7.9	41	
8	11.2	15.9	13.0	13.4	55	70	64	63	3.1	56	
9	14.3	15.6	15.0	15.0	71	68	73	71	8.1	41	
10	11.9	15.8	12.7	13.5	58	68	62	63	5.5	11	
11	11.8	16.2	13.8	13.9	54	65	63	61	1.2	14	
12	16.0	16.5	16.5	16.3	69	80	80	76	0.0	124	3.30
13	14.6	16.2	18.7	16.5	67	63	77	69	0.9	53	2.03
14	19.5	17.3	18.5	18.4	85	70	81	79	7.3	29	
15	16.6	16.6	16.7	16.6	80	71	76	76	8.3	187	
16	15.5	16.2	14.5	15.4	80	72	72	75	8.1	24	
17	12.9	12.8	13.3	13.0	68	56	68	64	8.2	84	
18	14.1	14.5	13.1	13.9	70	72	69	70	4.3	14	
19	12.2	11.2	8.9	10.8	65	53	46	55	8.4	146	
20	8.3	12.0	11.5	10.6	46	57	53	52	1.0	117	
21	11.5	11.7	12.7	12.0	61	54	66	60	7.7	151	0.64
22	11.1	12.8	12.1	12.0	59	56	59	58	3.5	47	
23	10.7	16.0	14.8	13.8	55	72	76	68	7.8	35	
24	12.6	14.2	15.3	14.0	61	65	80	69	8.1	34	
25	11.6	14.8	14.7	13.7	53	69	81	68	0.0	92	9.52
26	15.6	16.0	16.7	16.1	73	72	76	74	7.7	93	
27	17.5	19.9	14.9	17.4	75	83	62	73	0.0	105	0.22
28	17.1	19.6	16.9	17.9	70	76	94	80	0.0	354	28.19
29	14.7	17.2	14.8	15.6	77	81	79	79	5.5	111	5.55
30	15.2	15.5	15.9	15.5	77	73	80	77	7.7	66	0.46
31	13.3	14.6	15.9	14.6	66	67	80	71	8.2	39	
	13.44	15.43	14.51	14.46	64.7	67.7	70.8	67.8	5.17	79.71	1.64

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric date from readinge of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above groend 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20.30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

DECEMBER 1960
METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	9st	5cu-st	5ci	6.3	1se	2ne	1ne	light	
2	0	0	0	0.0	1nw	1ne	1ne	,,	
3	5cu	8cu-st	9st	7.3	1ne	1ne	2ne	,,	
4	5cu-st	6cu-st	7cu-st	6.0	2sw	1sw	2sw	,,	Tr. p.m.
5	0	4cu-ci	0	1.3	2s	2sw	1sw	,,	Tr. a.m.
6	10st-cu	10st-cu	3cu	7.7	2sw	0	1sw	light	
7	0	0	5cu	1.7	2sw	2n	1ne	,,	
8	10ci	10st	0	6.7	2s	1w	2sw	,,	
9	1cu	0	1ci	0.7	1s	2ne	1ne	,,	
10	10ci	10ci	3ci	7.7	1e	1se	1se	,,	
11	5st-ci	10st	7ci-st	7.3	1ne	1ne	1ne	light	
12	10st	10st	0	6.7	5n	4ne	0	,,	
13	10ci	10st	5st	8.3	0	3sw	1sw	,,	
14	5cu-st	0	0	1.7	1e	3ne	1ne	,,	
15	0	0	0	0.0	2ne	4ne	1ne	,,	D; a.m.
16	0	0	0	0.0	1nw	2nw	1ne	light	D; a.m.
17	0	2ci	0	0.7	1e	1ne	1ne	,,	D; a.m.
18	5ci	9st	0	4.7	1sw	0	0	calm	D; a.m.
19	0	0	0	0.0	1s	4ne	1ne	light	
20	9cu-st	10ci-st	10cu-st	9.7	2s	2nw	2nw	,,	
21	3ci-st	0	0	1.0	2e	3ne	1ne	light	
22	9ci	10ci	7ci	8.7	1e	3ne	1ne	,,	
23	3ci	0	0	1.0	2sw	1sw	1sw	,,	
24	0	0	10st-ci	3.3	1nw	1ne	1ne	,,	
25	10st	10st-ni	10cu-ni	10.0	1sw	1sw	1sw	,,	
26	0	0	10cu-st	3.3	2ne	1ne	1ne	light	Tr; a.m.
27	10st	10st	10st	10.0	2sw	3ne	1ne	,,	
28	10st	10st	10st-ni	10.0	2e	5sw	3sw	slight	
29	4cu-st	9st	3cu-st	5 3	3s	3sw	1sw	,,	
30	8st	0	0	2.7	3sw	2ne	1ne	light	
31	0	2ci	9st-ci	3.7	1sw	1nw	1sw	,,	Tr; p.m.
				4.63					

Abbreviation : 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	Total
8:30	1	4	6	1	6	9	0	3	1	31
14:30	1	16	0	1	0	7	1	3	2	31
20:30	0	17	0	1	0	10	0	1	2	31
Total	2	37	6	3	6	26	1	7	5	93

Number of days with rain 9, fog 0, Thunderstorms 0, gale 0
71-yrs. average number of days with rain during month 13.4