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MONTHLY BULLETIN

of

THE OBSERVATORY

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SYRIAN PROTESTANT COLLEGE

BEIRÛT, SYRIA

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

JANUARY 1915

ALFRED H. JOY, DIRECTOR

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U.S. Dept. of Commerce

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National Oceanic and Atmospheric Administration

Climate Database Modernization Program

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March 28, 2002

JANUARY 1915

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0° C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m
	8 : 30	2 : 30	8 : 30	mean	Max.	Min.	Min. on grass		
1	767.4	766.3	767.9	767.20	16.3	12.2	8.9	5.0	
2	68.5	67.3	68.4	68.07	16.6	12.3	8.9	6.8	
3	67.7	65.3	66.3	66.77	17.2	11.8	7.3	5.5	
4	65.1	66.3	67.2	65.53	17.1	12.3	8.9	0.0	
5	67.9	66.1	65.1	66.70	17.5	12.6	9.0	6.7	
6	63.2	60.2	59.5	60.97	19.9	12.9	6.9	7.5	
7	58.3	59.0	60.4	59.23	22.9	13.9	11.7	2.0	1.5
8	59.8	60.3	60.2	60.10	16.3	12.3	7.9	0.6	10.9
9	61.1	61.2	63.1	61.80	16.9	10.1	8.3	5.6	2.5
10	67.9	67.2	68.7	67.93	18.1	12.4	8.3	5.0	
11	67.9	65.0	64.4	65.77	17.8	12.8	9.3	7.8	
12	61.5	61.1	62.9	61.87	17.9	13.6	7.8	5.2	
13	63.3	64.2	65.2	64.23	17.2	11.2	9.0	6.5	14.5
14	63.5	61.4	60.6	61.83	18.1	12.2	6.3	8.5	
15	58.3	57.3	58.8	58.13	17.1	13.1	8.4	3.5	8.9
16	58.6	59.4	62.2	60.07	14.0	10.1	7.8	0.2	14.5
17	65.7	67.4	69.8	67.63	16.1	9.3	7.8	4.0	7.7
18	70.2	68.8	69.0	69.33	17.2	11.7	9.4	8.5	
19	67.8	65.9	65.9	66.53	17.9	12.8	8.4	8.9	
20	65.8	64.4	64.4	64.87	18.1	13.3	6.7	9.0	
21	62.6	61.1	60.5	61.40	18.8	13.3	7.1	6.5	9.4
22	59.7	61.4	61.4	60.83	20.2	13.3	10.1	0.0	
23	61.6	60.9	61.0	61.17	17.3	13.9	11.1	8.0	
24	60.6	62.9	63.8	62.43	17.8	12.4	7.7	7.0	
25	62.7	60.6	59.2	60.83	17.1	12.2	8.3	8.0	
26	56.0	55.9	57.6	56.50	22.4	12.4	10.1	6.3	
27	57.8	56.3	55.6	56.57	17.9	13.9	10.6	1.3	
28	59.5	61.9	63.4	61.60	18.8	14.0	11.3	6.0	3.0
29	63.9	62.8	62.1	62.93	17.6	13.1	9.5	8.2	
30	60.2	57.0	55.7	57.63	19.6	12.8	7.2	7.2	
31	56.5	56.9	57.1	56.83	20.4	14.8	10.7	6.0	
M	762.96	762.35	762.85	762.72	18.00	12.52	8.73	171.3	72.9

JANUARY 1915

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	13.1	15.9	14.5	14.50	11.5	12.6	12.1	9.2	9.0	9.1	9.1	81	68	74	74.3
2	12.7	16.2	13.2	14.03	10.4	12.6	11.2	8.1	8.9	8.8	8.6	75	66	77	72.7
3	12.8	17.0	13.2	14.33	10.0	12.2	11.0	7.6	8.0	8.2	9.7	70	56	76	67.3
4	12.8	16.5	13.8	14.37	9.4	12.7	11.6	7.0	8.8	8.9	8.2	65	64	76	68.3
5	12.9	16.8	15.4	15.03	11.0	13.3	11.8	8.3	9.4	8.4	8.7	78	66	64	69.3
6	13.9	18.2	19.7	17.27	10.4	14.3	12.8	7.5	9.8	7.6	8.3	64	63	44	57.0
7	18.7	15.2	13.0	15.83	14.8	13.0	10.6	10.2	9.4	7.8	9.1	65	70	72	69.0
8	14.7	10.6	11.2	12.17	11.1	9.9	10.2	7.9	8.6	8.6	8.4	63	92	87	80.7
9	12.7	16.5	13.9	14.37	10.0	13.2	12.9	7.7	9.7	10.4	9.3	71	72	88	77.0
10	13.1	17.6	14.9	15.20	12.8	14.4	13.3	10.8	10.3	10.4	10.5	96	70	82	82.7
11	13.8	17.1	14.9	15.27	11.8	10.6	13.9	9.1	6.7	11.1	9.0	77	48	88	71.0
12	14.8	17.4	15.4	15.87	10.6	13.3	12.1	7.4	9.1	8.7	8.4	59	62	67	62.7
13	12.1	16.9	13.4	14.13	11.4	13.1	12.1	9.7	9.0	9.7	9.5	91	64	83	79.3
14	13.3	17.3	16.4	15.67	10.9	13.3	12.8	8.5	9.1	9.0	8.9	74	62	64	66.7
15	16.2	16.1	12.2	14.83	13.7	12.2	9.4	10.1	8.5	7.3	8.6	74	62	69	68.3
16	12.1	11.6	9.8	11.17	9.6	10.1	8.9	7.5	8.3	8.1	8.0	71	82	90	81.0
17	12.1	15.5	13.8	13.80	11.0	13.3	12.3	9.1	10.0	9.7	9.6	87	77	83	82.3
18	12.9	17.0	14.2	14.70	10.5	12.9	12.3	8.2	8.8	9.5	8.8	74	61	79	71.3
19	14.5	17.6	16.5	16.20	10.1	14.3	13.8	7.1	10.2	10.1	9.1	58	69	72	69.7
20	13.3	17.2	15.4	15.30	10.2	13.8	11.8	7.6	9.7	8.4	8.6	67	66	65	66.0
21	13.8	18.1	16.2	16.03	11.0	14.2	13.7	8.3	9.7	10.2	9.4	70	63	75	69.3
22	19.2	15.4	16.2	16.93	13.9	14.4	14.1	8.9	11.6	10.6	10.4	54	89	78	73.7
23	14.1	17.1	14.3	15.17	12.8	14.9	12.8	10.2	11.3	10.2	10.6	85	78	84	82.3
24	14.3	17.3	15.5	15.70	11.7	14.3	13.5	8.8	10.4	10.3	9.8	73	71	79	74.3
25	12.4	16.7	15.4	14.84	10.2	13.9	12.9	8.0	10.1	9.5	9.2	75	72	73	73.3
26	17.1	20.6	17.0	18.23	13.8	18.2	16.6	9.9	13.7	13.8	12.5	69	77	95	80.3
27	14.2	17.3	16.2	15.90	13.1	15.6	13.9	10.4	11.9	10.4	10.9	88	80	75	81.0
28	15.4	17.3	14.7	15.80	14.4	14.3	13.2	11.6	10.3	10.4	10.8	89	71	83	81.0
29	13.7	17.0	14.9	15.30	10.7	13.5	13.4	8.0	9.5	10.5	9.3	68	67	83	72.7
30	14.3	18.7	17.1	16.70	11.3	14.8	12.7	8.3	10.2	8.1	8.9	69	65	60	64.7
31	17.2	19.3	17.3	17.93	13.3	15.7	13.8	9.2	11.0	9.7	10.0	63	66	65	64.7
M	14.1	16.8	14.8	15.24				8.71	9.71	9.47	9.30	73	69	76	72.7

JANUARY 1915

METEOROLOGICAL REGISTER

Date	Clouds. Clear — 0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes	
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.			
1	5n	2cu	9n	5.3	0	1sw	0	61.9	calm	≡E	Dew
2	5n	4ci	8ci	5.7	0	0	0	101.1	,,		,,
3	7ci	3ci	8ci n	6.0	1sw	0	0	62.8	,,	,,	,,
4	7ci	6ci	6ci	6.3	0	0	0	42.0	,,	,,	,,
5	0	3ci	0	1.0	0	1n	0	50.5	,,	,,	,,
6	2ci	7ci	2ci	3.7	0	0	0	76.7	,,	,,	,,
7	9n	9n	3n	7.0	3w	3w	0	219.4	,,	●	sorocco
8	9n	10n	9n	9.3	4sw	1sw	0	398.0	v. Slight	,,	
9	2n	8n	1n	3.7	0	2sw	0	413.9	calm	haze	
10	10 n	5n	1n	5.3	0	0	0	263.9	,,		
11	0	4ci	2cu	2.0	0	1ne	0	104.6	,,	≡E	Dew
12	6cu n	5cu	4n	5.0	0	4sw	1sw	117.0	v. Slight		,,
13	8n	2cu	0	3.3	0	1sw	0	399.0	calm		
14	0	1cu	1cu	0.7	0	1n	0	170.2	,,	,,	,,
15	10n	9n	4n	7.7	1sw	2sw	1sw	175.1	,,	,,	,,
16	10n	10n	10n	10.0	3sw	1sw	1sw	509.9	Slight		
17	9n	6cu	9n	8.0	1sw	0	0	177.8	calm		
18	2n	1cu	0	1.0	0	2n	0	142.2	,,	,,	,,
19	1cu	0	0	0.3	0	1n	1n	146.1	,,	,,	,,
20	0	3ci	1ci	1.3	0	0	0	63.6	,,	,,	,,
21	1ci	9cu	8cu n	6.0	0	0	0	70.0	,,	,,	,,
22	10n	10n	9n	9.7	0	0	0	147.2	v. Slight		
23	2n	0	0	0.6	0	0	0	75.3	calm	haze	Dew
24	8 st	3cu	6cu	5.7	0	1sw	1ne	121.0	,,	,,	,,
25	0	1ci	7ci	2.7	0	0	0	92.0	,,	≡E	,,
26	8cu n	1cu	8cu	5.7	0	3sw	1sw	178.8	,,	sorocco	,,
27	6ci	8cu	9cu	7.7	0	0	0	81.3	,,	≡E	,,
28	9n	7cu	9cu	8.3	0	2sw	0	231.4	,,		
29	7ci	1ci	2ci	3.3	0	0	0	135.2	,,	,,	Dew
30	4cu	2cu	7cu ci	4.3	0	0	0	67.6	,,	,,	,,
31	3ci	10 ci	1ci	4.7	0	2sw	2sw	360.1	,,	,,	,,
M	5.38	5.64	5.06	5.36				169.5			

Number of Daily Wind Observatoins

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	—	—	—	—	—	5	1	—	25
2:30	4	1	—	—	—	11	1	—	14
8:30	1	1	—	—	—	5	—	—	24
Totals	5	2	—	—	—	21	2	—	63

Barometer

Maximum	770.2	on Jan.	18
Minimum	755.6	on ,,	27

Thermometer

Maximum	22.9 C.	on Jan.	7
Minimum	9.3	on ,,	17
Minimum on Grass	6.3	on ,,	14

Rainfall

Maximum	mm. 14.5	on ,,	13,16

Number of days with

Rain	9
Thunderstorms	
Hail	
Fog	
Gale	

Height of Barometer above sea level 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Height of Rain Guage: above ground 0.56 m.; above sea level 30.31 m.
Gravity Correction −0.79 mm.

EARTHQUAQUES

Recorded by Milne Seismograph

LOCAL MEAN TIME O hr. = midnight

		Beginning	Maximum	Duration	Amplitude
Jan.	5	17h. 17.0m.	17h. 17.5m.	37.0min.	0.4mm.
	6	1h. 59.0m.	2h. 10.0m.	64.5 ,,	0.5
	8	22h. 8.0m.	27h. 23.0m.	720.0 ,,	0.3
	10	2h. 38.0m.	2h. 40.0m.	5.0 ,,	0.15
	13	9h. 17.0m.	9h. 22.0m.	67.0 ,,	4.3
	14	7h. 37.0m.	7h. 38.0m.	12.0 ,,	0.7
	22	24h. 49.0m.	24h. 52.0m.	5.0 ,,	2.2
	27	3h. 37.0m.	27h. 39.5m.	30.0 ,,	0.2
	27	11h. 16.5m.	11h. 170.m.	2.5 ,,	0.2
	28	4h. 14.5m.	4h. 18.5m.	6.5 ,,	0.2

A. F. AFGHANI, B.A.
Observer

RAINFALL IN SYRIA IN JANUARY 1915

In Inches.

January	Sidon	Râs Beirût	Beirût	'Aghûriyeh	'Ainâb	Sûk-ul-Gharb	'Aleih	Shweir	Zahleh	Kesara	Ḥumṣ	Aleppo	Damascus	Der'a	Tiberias	Jaffa
1			.10													.11
6									.13							
7		.06				.14	.62	.03	.17		.30	.81				
8		.43	.07					.09	.22		.11					
9		.10	.53			.75	.13	.31				.69				1.38
10			.10				.21	.13								.13
12									.20							.02
13		.57	.38			.67	.45	.67			.04					
14			.07			.36										
15		.35	.02				.16		.20			.16				
16		.57	.33			1.51	.30		1.75			.15				1.21
17		30	1.09				1.60	1.46				.02				
18			.06					.08			1.27					.11
22		.37				.31	.30	.09	.39							
23			.40					.36				.22				.01
26											.31	.04				
27									.24							
28		.12	.23			.76	1.02	.80								
29			.05			.04		.31								
		2.87	3.41			4.54	4.79	4.33	3.30		2.03	2.09				2.87

RAINFALL IN SYRIA 1914-1915

	Sept. in	Oct. in	Nov. in	Dec. in	Jan. in	Total in		
Sidon	—	—	—	—	—	—	S. D. Jessup	Gerard Institute
Râs Beirût	0.00	1.05	12.48	5.84	2.87	22.24	A. F. Afghani	S. P. College
Beirût	0.05	1.32	12.63	6.00	3.41	23.41	Miss Black	Beit Black
'Aşfûriyeh	—	—	—	—	—	—	Th. Waldmeier	Hospital
'Ainâb	—	—	—	—	—	—	Dr. VanDyck	Broomielaw
Sûk-ul-Gharb	—	1.87	18.12	7.28	4.54	31.81	W. G. Greenslade	Boys High School
'Aleih	—	1.63	20.41	6.89	4.79	33.72	J. K. Ma'âşiri	American Quarter
Shweir	—	3.33	18.56	5.97	4.33	32.19	Miss J. C. Somerville	Boys High School
Zaḥleh	—	0.50	11.25	4.22	3.30	19.27	Amîn 'Abbûd	Boys School
Ksara	—	—	—	—	—	—	B. Berloty	Observ. de Ksara
Ḥumṣ	0.40	1.13	5.47	2.66	2.03	11.29	R. Khabbâz	S. P. Institution
Karyatain	—	—	—	—	—	—	Suleiman Jebbûr	Danish Mission
Aleppo	0.00	0.49	5.89	2.11	2.09	10.58	Z. M. Heikal	House
Damascus	—	—	—	—	—	—	Dr. Mackinnon	Victoria Hospital
Der'a	—	—	—	—	—	—	Dr. S. Ḥaddâd	House
Tiberias	—	—	—	—	—	—	Miss Bleiker	Mission Hospital
Jaffa	—	—	5.84	3.17	2.87	11.88	Mrs. Ghoreiyeh	House

LIBRARY
JUL 6 - 1915
Weather Bureau

MONTHLY BULLETIN

of

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRÛT, SYRIA

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

FEBRUARY 1915

ALFRED H. JOY, DIRECTOR

PRINTED AT THE COLLEGE PRESS

FEBRUARY 1915

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0° C. Sea level and 45° Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m
	8 : 30	2 : 30	8 : 30	mean	Max.	Min.	Min. on grass		
1	756.5	756.2	758.3	757.00	21.8	15.7	8.8	7.8	
2	58 4	54.6	49.9	54.30	24.6	14.4	11.7	0.0	
3	58.7	58.8	59.6	59.03	14.6	14.3	13.3	0.0	22.7
4	58.5	59.1	60.7	59.43	15.1	11.1	9.9	3.2	43.1
5	62.9	63.7	65.2	63.93	14.5	8.8	7.6	4.7	
6	66.9	67.1	68.2	67.40	15.0	9.8	8.3	6.0	10.7
7	68.5	67.4	67.0	67.63	15.6	9.9	5.4	9.5	
8	65.6	63.3	64.2	64.37	15.6	10.2	4.0	9.0	
9	61.1	60.7	62.8	61.53	15.2	10.8	6.7	0.1	16.8
10	64.8	65.5	66.6	65.63	15.7	8.6	6.8	5.8	7.1
11	68.4	69.2	69.5	69.03	16.1	9.9	8.3	7.1	8.9
21	68.8	68.3	67.8	68.30	15.8	9.7	7.2	9.0	
13	67.0	65.7	65.0	65.90	17.1	11.0	6.3	9.2	
14	63.9	61.1	61.0	62.00	19.1	12.2	6.2	4.8	
15	60.7	62.1	62.8	61.87	14.3	13.6	10.2	1.3	7.6
16	66.8	65.9	66.2	66.30	15.5	9.6	7.4	9.0	
17	64.1	61.8	60.7	62.20	16.1	9.0	7.7	9.0	
18	58.8	58.0	60.1	59.03	20.2	11.5	8.2	5.0	8.6
19	59.6	60.0	61.7	60.43	16.3	10.7	7.4	3.2	13.6
20	64.1	65.0	65.9	65.00	17.8	11.0	10.5	5.6	5.9
21	67.5	66.4	65.9	66.60	18.4	13.3	9.4	5.2	9.4
22	63.2	60.4	60.7	61.43	19.3	11.7	9.8	9.0	
32	62.8	63.0	63.4	63.07	18.2	12.8	8.4	9.0	
42	63.1	61.4	61.5	62.00	19.3	13.1	8.9	10.0	
52	60.8	60.8	60.7	60.77	20.2	13.9	10.1	10.0	
62	62.3	62.7	64.3	63.10	20.2	13.5	10.0	6.2	
72	64.7	62.7	60.8	62.73	19.6	13.4	10.1	10.3	
28	56.4	54.9	59.4	56.90	30.4	14.5	11.9	9.0	
M	763.02	762.35	762.85	762.75	17.22	11.71	8.26	178.0	154.4

FEBRUARY 1915

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	16.3	19.7	16.6	17.53	10.2	15.6	14.8	6.5	10.6	11.4	9.5	47	62	82	63.7
2	14.4	15.7	24.0	18.03	13.3	14.4	15.5	10.7	11.3	8.8	10.3	87	85	40	70.7
3	14.3	13.8	13.3	13.80	13.8	13.1	12.9	11.4	10.7	10.7	10.9	95	92	94	93.7
4	11.1	14.5	10.0	11.93	10.1	10.1	9.4	8.5	7.0	8.4	8.0	85	57	92	78.0
5	11.0	13.7	13.3	12.67	9.8	11.7	11.1	8.4	9.1	8.6	8.7	86	78	75	79.7
6	10.4	14.1	11.3	11.97	9.9	10.9	9.6	8.9	8.0	7.8	8.2	94	67	49	80.0
7	11.2	14.7	13.8	13.23	8.2	11.1	10.3	6.7	7.9	7.6	7.4	69	64	65	66.0
8	11.2	15.7	12.8	13.23	7.3	10.1	8.9	5.8	6.6	6.6	6.3	59	50	60	56.3
9	13.2	11.6	10.0	11.60	9.3	11.0	9.9	6.9	9.4	9.0	8.4	61	93	99	84.3
10	10.6	14.8	13.3	12.90	9.5	11.1	9.1	8.3	7.9	6.6	7.8	87	63	57	69.0
11	13.8	15.4	11.8	13.67	9.9	11.6	9.7	7.2	8.1	7.8	7.7	62	63	74	66.3
12	11.1	15.1	14.4	13.53	8.1	11.3	11.2	6.5	7.9	8.2	7.5	67	62	67	65.3
13	12.7	16.8	14.0	14.50	10.0	13.5	10.6	7.8	9.6	7.7	8.4	71	68	64	67.7
14	13.9	16.8	15.7	15.47	8.1	11.9	9.2	5.5	7.8	9.2	6.5	47	55	49	50.3
15	13.8	13.8	9.9	12.50	10.9	11.2	9.4	8.1	8.5	8.5	8.4	69	72	98	79.7
16	10.9	14.9	12.7	12.83	9.5	11.9	10.9	8.0	8.8	8.7	8.5	82	70	80	77.3
17	11.6	15.4	15.2	14.97	9.7	12.2	12.2	7.9	8.8	8.9	8.5	77	68	70	71.7
18	15.3	19.9	13.7	16.30	13.2	14.9	13.4	9.3	9.8	11.2	10.1	72	56	95	74.3
19	12.0	15.6	11.5	13.03	10.7	12.2	10.9	8.8	8.7	9.3	8.9	84	66	92	80.7
20	15.4	16.8	15.3	15.83	12.7	13.9	13.2	9.3	10.2	10.1	9.9	71	62	78	73.7
21	14.9	17.9	15.9	16.23	13.1	15.2	13.4	10.8	11.2	10.0	10.7	86	73	74	77.7
22	12.9	17.7	15.1	15.27	11.2	14.6	13.2	8.9	10.4	10.1	9.8	81	68	79	76.0
23	13.9	17.6	14.2	15.23	11.9	15.1	13.2	9.1	11.2	10.7	10.3	77	75	88	80.0
24	13.9	18.7	16.4	16.33	13.3	15.4	15.6	10.0	10.9	12.6	11.2	93	69	91	84.3
25	16.6	19.6	16.2	17.47	14.3	16.5	15.5	10.8	11.9	12.7	11.8	77	71	92	80.0
26	14.7	17.7	15.7	16.03	14.7	15.9	13.9	12.4	12.3	10.7	11.8	99	82	81	87.7
27	14.7	18.4	17.2	16.77	13.5	14.2	14.8	10.7	9.7	10.9	10.4	86	91	75	74.0
28	16.4	28.1	17.1	20.51	15.4	10.8	15.6	13.1	10.0	12.2	11.8	94	53	85	71.3
M	13.3	16.6	14.3	14.77				8.8	9.4	9.4	9.2	77	68	78	74.3

FEBRUARY 1915

METEOROLOGICAL REGISTER

Date	Clouds. Clear — 0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	0	0	10n	3.3	0	2sw	1sw	184.9	calm	≡E
2	10n	10n	10n	10.0	0	2ne	3ne	422.4	,,	Sorocco
3	10n	10n	10n	10.0	1sw	0	0	386.1	,,	
4	10n	9n	10n	9.7	4sw	6sw	2sw	552.2	Rough	
5	6n	6n	7n	6.3	1sw	3sw	1sw	289.7	Slight	
6	9n	3cu	0	4.0	1sw	1n	0	58.7	calm	
7	2cu	9cu	1n	4.0	0	2n	3n	299.0	v. Slight	≡E Dew
8	0	0	1cu	0.3	0	1n	0	150.5	calm	,,
9	9n	10n	10n	9.7	0	0	0	219.7	,,	
10	9n	9cu	7n	8.3	0	1sw	0	196.6	,,	,,
11	2cu	5cu	0	2.3	0	1n	0	93.6	,,	,, ,,
12	1ci	3ci	1ci	1.7	0	1n	1n	164.4	,,	,, ,,
13	0	3ci	0	1.0	0	1n	0	92.8	,,	,, ,,
14	3ci	10n	10n	7.7	0	2n	1ne	300.7	,,	
15	10n	9n	10n	9.7	2sw	1sw	0	198.0	,,	
16	4n	2cu n	8n	4.7	0	1sw	0	102.7	,,	Dew
17	2n	0	0	0.7	0	1n	1n	221.6	,,	≡E ,,
18	10 ci	2ci	10n	7.3	0	1sw	0	251.2	,,	,, ,,
19	10 n	8n	9n	9.0	0	0	0	255.6	,,	
20	3cu	9n	2cu	4.7	2sw	1sw	0	208.9	,,	
21	9n	9n	8ci	8.7	0	1w	1n	162.5	,,	Dew
22	1cu	0	0	0.3	0	0	0	101.9	,,	≡E Dew
23	1cu	1n	0	0.7	0	1sw	0	87.2	,,	,, ,,
24	0	0	0	0.0	0	1en	0	122.6	,,	,, ,,
25	0	0	1cu	0.3	0	0	0	60.5	,,	,, ,,
26	4n	9n	9n	7.3	0	0	0	71.0	,,	Fog ,,
27	1n	0	0	0.3	0	4ne	4ne	490.8	Rough	≡E ,,
28	7n	3cu	3cu	4.3	2sw	3sw	3s	391.3	v. Slight	● Sorocco
M	5.38	5.64	5.06	5.36				219.1		

Number of Daily Wind Observatoins

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	—	—	—	—	—	7	—	—	21
2:30	8	3	—	—	—	10	1	—	6
8:30	4	3	—	—	1	3	—	—	17
Totals	12	6	—	—	1	20	1	—	44

Barometer

Maximum	769.5	on Feb.	11
Minimum	749.9	on ,,	2

Thermometer

Maximum	30.4 C.	on Feb.	28
Minimum	8.6	on ,,	10
Minimum on Grass	4.0	on ,,	8

Rainfall

Maximum	mm. 43.1	on ,,	4

Number of days with

Rain	10
Thunderstorms	
Hail	
Fog	1
Gale	

Height of Barometer above sea level 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Height of Rain Guage: above ground 0.56 m.; above sea level 30.31 m.
Gravity Correction −0.79 mm.

A. F. AFGHANI, B.A.
Observer

RAINFALL IN SYRIA IN FEBRUARY 1915

In Inches.

February	Ṣidon	Râs Beirût	Beirût	'Aṣfûrîyeh	'Ainâb	Sûk-ul-Gharb	'Aleih	Shweir	Zaḥleh	Ksara	Ḥums	Aleppo	Damascus	Der'a	Tiberias	Jaffa
1						.96										
2						2.79			.84		.43	.18				
3		.89	.68			1.18	1.05	.63	.92		.37	.67				
4		1.30	1.80			.57	3.00	1.81	.93		.18	.44				
5		1.12	.66				.80	.99	.22		.46	.14				
6		.42	1.15				.55	1.19				.21				
7			.11					.09								
9		.76							.09		.38					
10		.43	1.40			.66	.70	.45	.20							
11		.35	.57				.52	.38								
15		.29							.15							
16			.38			1.01	.75	.29								
18		.34							.09		.30					
19		.54	.82			.43	.62	.07	1.23		.46	.34				
20		.23	.76			1.18	.88	1.06								
21			.01			.05										
26			.01													
28																
		6.67	8.36	—	—	8.83	8.87	6.96	4.67	—	2.58	2.01	—	—	—	—

RAINFALL IN SYRIA 1914-1915

	Sept. in	Oct. in	Nov. in	Dec. in	Jan. in	Feb. ni	Total in		
Sidon	—	—	—	—	—	—	—	S. D. Jessup	Gerard Institute
Râs Beirût	0.00	1.05	12.48	5.84	2.87	6.67	28.91	A. F. Afghani	S. P. College
Beirût	0.05	1.32	12.63	6.00	3.41	8.36	31.77	Miss Black	Beit Black
'Aşfûriyeh	—	—	—	—	—	—	—	Th. Waldmeier	Hospital
'Ainâb	—	—	—	—	—	—	—	Dr. VanDyck	Broomielaw
Sûḳ-ul-Gharb	—	1.87	18.12	7.28	4.54	8.83	40.64	W. G. Greenslade	Boys High School
'Aleih	—	1.63	20.41	6.89	4.79	8.87	41.79	J. K. Ma'âşiri	American Quarter
Shweir	—	3.33	18.56	5.97	4.33	6.96	39.15	Miss J. C. Somerville	Boys High School
Zaḥleh	—	0.50	11.25	4.22	3.30	4.67	21.94	Amîn 'Abbûd	Boys School
Ksara	—	—	—	—	—	—	—	B. Berloty	Observ. de Ksara
Ḥumṣ	0.40	1.13	5.47	2.66	2.03	2.58	13.87	R. Khabbâz	S. P. Institution
Karyatain	—	—	—	—	—	—	—	Suleiman Jebbûr	Danish Mission
Aleppo	0.00	0.49	5.89	2.11	2.09	2.01	13.59	Z. M. Heikal	House
Damascus	—	—	—	—	—	—	—	Dr. Mackinnon	Victoria Hospital
Der'a	—	—	—	—	—	—	—	Dr. S. Ḥaddâd	House
Tiberias	—	—	—	—	—	—	—	Miss Bleiker	Mission Hospital
Jaffa	—	—	5.84	3.17	2.87	—	—	Mrs. Ghoreiyeb	House

~1915~
3 nos. only~

MONTHLY BULLETIN

of

THE OBSERVATORY

SYRIAN PROTESTANT COLLEGE

BEIRÛT, SYRIA

LAT. 33° 54′ 22″ N.
LONG. E. FROM GREENWICH 35° 28′ 10″

MARCH 1915

ALFRED H. JOY, DIRECTOR

LIBRARY
JUL 6 - 1915
Weather Bureau

PRINTED AT THE COLLEGE PRESS

MARCH 1915

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C. Sea level and 45' Latitude				Thermometer Cent. (Corrected)			Bright Sun shine hrs.	Rain m.m
	8 : 30	2 : 30	8 : 30	mean	Max.	Min.	Min. on grass		
1	760.5	761.0	762.5	761.33	17.7	14.4	11.6	5.5	14.3
2	65.0	66.1	66.7	65.93	18.1	9.5	2.6	3.5	15.2
3	66.0	64.7	64.7	65.13	18.2	12.7	9.4	4.3	
4	63.4	62.0	61.9	62.43	18.3	12.2	8.3	8.2	3.3
5	62.0	62.3	63.7	62.67	16.3	12.4	10.2	8.7	
6	62.1	60.7	60.2	61.00	14.4	10.6	6.2	2.6	15.2
7	58.1	57.6	59.1	58.27	16.7	10.6	9.3	1.2	8.4
8	58.7	58.9	59.8	59.13	20.3	10.6	8.7	6.5	
9	62.6	64.5	65.0	64.03	19.9	15.1	10.1	9.0	
10	65.2	63.6	63.4	64.07	21.7	14.9	9.6	8.8	
11	60.4	58.9	57.0	58.77	30.6	16.1	11.2	4.3	
12	57.2	60.1	61.3	59.53	18.7	18.2	15.7	1.2	
13	61.7	61.0	60.0	60.90	17.9	13.3	8.3	0.5	
14	59.8	59.6	60.7	60.03	17.2	11.7	10.3	3.9	6.4
15	61.5	59.9	60.0	60.47	17.4	10.3	8.9	6.1	
16	57.8	56.0	55.1	56.30	17.4	11.8	8.4	2.1	
17	56.4	57.3	59.1	57.60	18.3	12.9	9.6	2.5	2.8
18	61.6	62.4	63.6	62.53	18.3	11.8	9.3	1.3	2.5
19	65.1	65.6	66.4	65.70	18.4	11.3	9.1	8.1	
20	67.4	67.0	68.6	67.67	19.6	12.5	8.3	5.0	
21	68.5	67.8	67.5	67.93	20.7	13.6	8.9	7.8	
22	65.6	64.4	63.4	64.47	19.1	13.8	11.6	7.9	
23	61.5	60.4	60.7	60.87	19.8	15.7	13.8	2.3	
24	59.8	59.4	60.1	59.77	19.8	11.7	11.1	2.7	9.2
25	60.5	59.7	60.4	60.20	17.6	11.6	10.1	1.4	5.6
26	60.1	59.3	58.3	59.23	19.4	11.7	10.6	6.6	12.7
27	57.9	57.5	58.2	57.87	18.9	12.2	11.1	7.6	
28	56.7	55.4	51.3	54.47	18.8	14.0	11.1	1.1	1.8
29	52.0	54.1	57.5	54.53	20.9	14.6	13.4	8.0	
30	61.1	60.7	62.1	61.30	20.5	15.4	13.2	7.9	
31	58.5	55.5	59.5	57.83	24.3	14.8	13.3	2.5	1.8
M	761.12	760.57	761.22	761.03	19.20	12.97	10.10	149.1	99.2

MARCH 1915

METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapour mm.				Relative Moisture per cent.			
	8:30	2:30	8:30	mean	8:30	2:30	8:30	8:30	2:30	8:30	mean	8:30	2:30	8:30	mean
1	14.9	12.1	14.9	13.97	12.1	10.6	12.1	8.9	8.6	8.9	8.5	71	81	71	74.3
2	13.4	16.8	13.8	14.67	11.6	13.9	11.8	9.2	10.1	9.2	9.5	79	70	78	75.4
3	12.7	16.8	13.7	14.40	12.1	13.9	12.2	10.2	10.2	9.6	10.0	94	72	82	82.7
4	13.6	17.6	15.1	15.43	11.5	13.9	13.1	9.0	9.7	1.00	9.6	77	65	79	73.7
5	14.3	15.7	13.3	14.43	10.4	10.9	8.3	7.4	7.3	5.9	9.6	61	56	57	56.3
6	11.1	13.7	13.4	12.73	8.4	11.3	11.6	6.8	8.6	9.1	8.2	70	74	79	74.3
7	12.9	15.5	14.5	14.30	11.9	13.7	13.2	7.3	10.5	10.5	9.4	89	81	85	85.0
8	15.3	19.4	16.9	17.20	12.7	16.0	11.1	9.4	11.4	7.0	9.3	73	68	49	63.3
9	15.6	19.3	15.6	16.83	12.8	16.6	15.0	9.4	12.2	12.3	11.3	72	73	94	79.7
10	16.4	20.8	19.9	19.03	13.8	17.9	14.0	10.1	14.1	8.8	11.0	73	77	50	66.7
11	25.2	28.9	24.9	26.33	13.8	17.1	13.4	6.6	8.6	6.5	7.2	21	28	22	23.7
12	18.2	17.7	15.4	17.10	16.4	14.6	11.2	12.7	10.5	7.8	10.3	83	69	60	70.7
13	14.1	16.4	14.8	15.10	10.7	12.7	11.1	7.9	8.9	7.9	8.6	66	65	64	65.0
14	13.7	16.0	13.7	14.50	11.8	11.5	10.1	9.2	7.8	7.4	8.1	78	58	63	66.3
15	12.6	16.6	12.9	14.03	9.8	11.9	10.7	7.5	7.9	8.4	7.9	70	54	75	66.3
16	13.1	16.5	15.4	15.00	10.7	12.1	11.7	8.3	8.1	8.2	8.2	74	58	63	65.0
17	13.9	17.6	15.1	15.53	12.4	14.6	11.5	9.8	10.5	8.2	9.5	82	69	65	72.0
18	11.8	15.9	13.0	13.57	11.1	12.9	10.9	9.4	9.4	8.6	9.1	92	70	77	79.7
19	13.7	17.9	15.4	15.67	10.9	13.9	12.8	8.2	9.6	9.5	9.1	69	62	72	67.7
20	15.1	18.9	16.4	16.80	12.7	15.1	14.3	9.5	10.4	10.8	10.2	74	64	78	72.0
21	16.9	19.7	17.0	17.87	13.7	15.3	15.2	9.8	10.4	11.6	10.6	69	60	81	70.0
22	17.1	17.8	16.9	17.27	15.4	15.8	15.6	11.9	12.0	12.3	12.1	83	79	87	83.0
23	16.5	18.6	15.9	17.00	14.6	16.1	14.9	11.1	11.9	11.9	11.6	79	75	89	81.0
24	14.8	16.4	14.6	15.27	13.6	13.5	12.1	10.7	9.7	9.1	9.8	85	71	74	76.7
25	13.0	16.7	12.6	14.10	11.8	13.7	11.6	9.6	9.9	9.6	9.7	86	71	88	81.7
26	12.1	18.6	13.7	14.80	12.1	15.4	12.2	10.2	11.1	9.7	10.3	95	70	83	82.7
27	15.4	18.2	15.3	16.30	13.9	15.3	13.4	10.8	11.2	10.4	10.8	83	72	79	78.0
28	14.8	16.2	18.4	16.47	13.4	14.9	14.2	10.7	11.8	9.7	10.7	85	86	60	77.0
29	15.9	20.6	16.4	17.63	14.5	18.2	15.1	11.3	13.8	11.9	12.3	85	77	85	82.3
30	16.7	20.3	16.5	17.83	15.4	17.0	15.3	12.2	12.2	12.1	12.2	87	69	87	81.0
31	18.2	22.7	16.8	19.23	18.4	17.1	14.4	10.4	11.2	10.7	10.8	67	54	76	65.7
M	14.9	17.9	15.5	16.14				8.8	9.4	9.4	9.2	77	68	72	72.2

MARCH 1915

METEOROLOGICAL REGISTER

Date	Clouds. Clear — 0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	mean	8:30	2:30	8:30	Km.		
1	3n	10n	10n	7.7	3sw	3sw	3sw	420.5	v. Slight	Thunder
2	9n	8cu n	10n	9.0	0	0	0	185.2	calm	▲
3	10n	9n	1n	6.7	0	1sw	0	206.6	,,	
4	7n	6cu	9n	7.3	0	2sw	0	338.8	,,	● Dew
5	8cu	4cu	3cu	5.0	2sw	4w	2n	377.0	v. Slight	,,
6	7cu	10n	9n	8.7	0	1sw	2sw	363.3	calm	≡E Dew
7	10n	10n	10n	10.0	2sw	2sw	1sw	377.8	,,	
8	3n	4ci	1n	2.7	3s	2sw	0	376.7	v. Slight	,, ,,
9	1n	0	1n	0.7	1sw	1sw	0	121.3	calm	,, ,,
10	1ci	6ci	2ci	3.0	0	0	0	188.5	,,	haze ,,
11	8ci	8ci	4ci	6.7	3ne	1sw	0	662.7	,,	Sorocco
12	9ci	9n	1n	6.3	4sw	1sw	2sw	198.4	,,	haze
13	8n	10n	3n	7.0	0	1sw	1sw	254.2	,,	●
14	9n	5cu	3n	5.7	2sw	2sw	0	201.0	v. Slight	
15	4cu	2cu	3cu	3.0	0	1sw	0	76.6	calm	,, Dew
16	10n	10n	4n	8.0	0	1sw	0		,,	●
17	10n	6n	3cu	6.3	1sw	1sw	1sw	314.1	,,	
18	10n	8n	1cu	6.3	0	0	0	83.9	,,	
19	1n	1cu	1cu	1.0	0	1ne	1ne	191.0	,,	≡E Dew
20	4ci	7ci	8ci	6.3	0	1ne	2ne	119.1	,,	,, ,,
21	1ci	8ci	5ci	4.7	0	0	1ne	170.0	,,	,,
22	8n	10n	9n	9.0	2ne	2ne	2n	360.4	,,	,,
23	2cu	9n	9cu	6.7	3n	1sw	0	216.6	,,	,,
24	8n	9n	2cu	6.3	0	1sw	2sw	294.5	,,	
25	9n	8cu	10n	9.0	0	0	0	209.4	,,	
26	10n	6cu	3ci	6.3	0	1sw	0	89.6	,,	
27	9n	7cu	8ci	8.0	0	1w	0	70.2	,,	Dew
28	10n	10n	10n	10.0	0	0	1ne	168.8	,,	,,
29	8cu	7cu	8cu	7.7	0	1sw	0	210.3	,,	●
30	5cu	6ci	9ci	6.7	0	1sw	1sw	170.6	,,	Dew
31	9n	8cu n	6cu n	7.7	0	3sw	3sw	408.2	v. Sligth	
M	6.80	7.13	5.35	6.34				239.5		

Number of Daily Wind Observatoins

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	—	—	—	—	—	7	—	—	21
2:30	8	3	—	—	—	10	1	—	6
8:30	4	3	—	—	1	3	—	—	17
Totals	12	6	—	—	1	20	1	—	44

Barometer

Maximum	768.6	on Mar.	20
Minimum	751.3	on ,,	28

Thermometer

Maximum	30.6 C.	on Mar.	11
Minimum	9.5	on ,,	2
Minimum on Grass	2.6	on ,,	2

Rainfall

Maximum	mm. 15.2	on ,,	2,6

Number of days with

Rain	13
Thunderstorms	1
Hail	
Fog	
Gale	

Height of Barometer above sea level 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Height of Rain Guage: above ground 0.56 m.; above sea level 30.31 m.
Gravity Correction −0.79 mm.

EARTHQUAKES

Recorded by Milne Seismograph

LOCAL MEAN TIME O hr. = midnight

		Beginning	Maximum	Duration	Amplitude
Feb.	6	24h. 30.0m.	24h. 37.0m.	24.0min.	0.5mm.
	8	13h. 41.0m.	13h. 47.0m.	14.5 ,,	0.2
	14	10h. 45.5m.	10h. 46.5m.	12.0 ,,	1.5
	21	11h. 24.0m.	11h. 25.0m.	3.5 ,,	0.6
	21	8h. 17.0m.	8h. 19.0m.	3.5 ,,	0.2
	21	17h. 37.0m.	17h. 38.5m.	15.0 ,,	0.3
	25	23h. 15.0m.	23h. 39.0m.	39.5 ,,	0.2
	28	15h. 12.0m.	15h. 13.0m.	12.0 ,,	1.0
	28	21h. 47.0m.	22h. 2.5m.	44.0 ,,	0.3

A. F. AFGHANI, B.A.
Observer

RAINFALL IN SYRIA IN MARCH 1915

In Inches.

March	Sidon	Râs Beirût	Beirût	'Aṣfûriyeh	'Ainâb	Sûḳ-ul-Gharb	'Aleih	Shweir	Zaḥleh	Kesara	Ḥums	Aleppo	Damascus	Der'a	Tiberias	Jaffa
1		.56	.02				.50		.81		.18					
2		.60	.72			.43		1.23	.04			.24				
3			.26			.01		.06								
4		.13							.05							
5			.20						.09							
6		.60	.02				.25	.12	.85		1.15	.12				
7		.33	.98			1.27	.80	.95	.23		.63	.15				
8			.25			.28		.37				.45				
13		.25							.36							
14			.23			.70	.90	.70	.04		.26	.13				
15			.12			.32		.31	.01		.14					
16									.04							
17		.11	.08				.22	.26	.18							
18		.10	.26			.53	.50	.31								
19			.04			.15		.11								
24		.36	.12			.27	.63	.22	.27			.07				
25		.22	.24			.64	.38	.47	.21							
26		.50	.61			.46	.43	.65	.08							
27							.11									
28		.07					.28		.64		.34	.23				
29			.12			.27	.10	.29	.20		.36	.16				
30			.01			.09		.50								
31		.07									.95	.04				
		3.90	4.28			5.42	5.10	6.46	4.10		4.01	1.59				

RAINFALL IN SYRIA 1914-1915

	Sept. in	Oct. in	Nov. in	Dec. in	Jan. in	Feb. ni	Mar. in	Total in		
Sidon	—	—	—	—	—	—	—	—	S. D. Jessup	Gerard Institute
Râs Beirût	0.00	1.05	12.48	5.84	2.87	6.67	3.90	28.91	A. F. Afghani	S. P. College
Beirût	0.05	1.32	12.63	6.00	3.41	8.36	4.28	31.77	Miss Black	Beit Black
Aṣfûrîyeh	—	—	—	—	—	—	—	—	Th. Waldmeier	Hospital
'Ainâb	—	—	—	—	—	—	—	—	Dr. VanDyck	Broomielaw
Sûḳ-ul-Gharb	—	1.87	18.12	7.28	4.54	8.83	5.42	40.64	W. G. Greenslade	Boys High School
'Aleih	—	1.63	20.41	6.89	4.79	8.87	5.10	41.79	J. K. Ma'âṣiri	American Quarter
Shweir	—	3.33	18.56	5.97	4.33	6.96	6.46	39.15	Miss J. C. Somerville	Boys High School
Zaḥleh	—	0.50	11.25	4.22	3.30	4.67	4.10	21.94	Amîn 'Abbûd	Boys School
Ksara	—	—	—	—	—	—	—	—	B. Berloty	Observ. de Ksara
Ḥumṣ	0.40	1.13	5.47	2.66	2.03	2.58	4.01	13.87	R. Khabbâz	S. P. Institution
Karyatain	—	—	—	—	—	—	—	—	Suleiman Jebbûr	Danish Mission
Aleppo	0.00	0.49	5.89	2.11	2.09	2.01	1.59	13.59	Z. M. Heikal	House
Damascus	—	—	—	—	—	—	—	—	Dr. Mackinnon	Victoria Hospital
Dir'a	—	—	—	—	—	—	—	—	Dr. S. Ḥaddâd	House
Teberias	—	—	—	—	—	—	—	—	Miss Bleiker	Mission Hospital
Jaffa	—	—	5.84	3.17	2.87	—	—	—	Mrs. Ghoreiyeb	House