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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

41613

OBSERVER H. Kalbakhjian

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September 14, 1999

+1912 - January-December=complete 1918.

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** January **19** 13

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:- Max. 3 1/4 feet, Min. 3 1/4 feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

Hour of Observation 8 A. M.

Longitude 17° 9′E of Greenwich-Latitude 38° 26′10″N.

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols.	REMARKS
1	30.30	53	58	48		9.46		25	0	E	70%						b	Clear and Cool
2	30.33	52	57	41				25	10	"	65%						"	" " "
3	30.25	53	53	39				17	8	"	70%						"	" " "
4	30.23	55	65	48	.01	9.47		10	0	"	73%						cro	Cloudy " Rainy
5	30.33	53	60	46				23	3	"	75%						b	Clear " Cool
6	30.30	50	53	40				30	13	"	70%						"	" " "
7	30.17	48	50	40				25	7	"	75%						"	" " "
8	30.10	56	48	39				13	3	"	80%						"	" " "
9	30.13	53	47	38				10	3	"	70%						"	" " "
10	30.15	45	45	36				10	3	"	67%						"	" " "
11	30.07	45.5	45	37				20	9	"	70%						"	" " "
12	30.—	45	50	40				15	7	"	75%						"	" " "
13	29.75	47	55	45	.04	9.51		17	3	S	85%						cro	Cloudy " Rainy
14	30.17	48	62	35	.67	10.18		10	0	"	90%						Oro	" " "
15	30.20	45	57	35				7	0	"	75%						b	Clear " Cool
16	30.07	47	53	45	.03	10.21		13	0	"	85%						cro	Cloudy " Rainy
17	30.05	48	50	45				10	0	"	90%						b	Clear " Cool
18	30.15	50	55	48	.25	10.46		10	0	E	95%						oro	Cloudy " Rainy
19	30.03	52	60	50				13	0	"	95%						b	Clear " Cool
20	30.17	53	62	47	.08	10.54		17	5	"	90%						cro	Cloudy " Rainy
21	30.27	50	63	45				10	3	"	80%						b	Clear " Cool
22	30.05	54	55	40	.04	10.58		27	10	S	85%						cro	Cloudy " Rainy
23	29.80	58	60	50	.98	11.56		20	8	"	90%						oro	" " Rain
24	29.80	55	58	46	.05	11.61		7	3	"	95%						cro	" " Rainy
25	30.13	52	53	37				10	3	N	87%						b	Clear " Cool
26	30.17	53	63	40				0	0	"	75%						"	" " "
27	30.05	54	63	50	.30	11.91		10	0	S	95%						oro	Cloudy " Rain
28	30.10	52	57	40	.95	12.86		15	2	"	87%						"	" " "
29	30.13	50	48	38				0	0	E	80%						b	Clear " Cool
30	30.03	48	52	40	.03	12.89		13	3	"	75%						cro	Cloudy " Rainy
31	30.15	45	45	36				10	5	"	70%						b	Clear " Cool
Totals	933.63	1569.5	1702	1304	3.43	12.89					2484							
Averages	30.12	50.63	54.90	42.07							80.13%							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph. Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.33	2	30.50
"	Min.	29.75	13	29.32
"	Average	30.12	—	30.06
Thermometer	Max.	65	4	67
"	Min.	35	14	28
"	Average	48.49	—	45.21
Rainfall in inches		3.43	—	3.10
" "	(Highest daily)	.98	23	1.70
No of Earthquakes Tremors etc.		—	—	3
Wind Velocity, Max.		30	6	44

Directions

N.	2
N. E.	
E.	19
S. E.	
S.	10
S. W.	
W.	
N. W.	

Prevailing Winds East

SPECIAL REMARKS

S. L. Caldwell B.Sc.

SECRETARY

7. '13

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Christian

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MAY 22 1913
Weather Bureau

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** February 1913

Hour of Observation 8 A. M. **Longitude 17° 9′E of Greenwich-Latitude 38° 26′10″N.**

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:- Max. 3¾ feet, Min. 3½ feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols.	REMARKS
1	30.30	45	43	33		12.89		7	2	E	70%						b	Clear and Cool
2	30.35	43	47	32				0	0	"	65%						"	" " "
3	30.23	44	53	35				7	0	"	70%						"	" " "
4	30.10	50	55	45	.25	13.14		8	3	S	85%						cro	Cloudy . Rainy
5	30.33	48	52	38				15	5	E	67%						b	Clear " Cool
6	30.35	50	55	43				8	2	"	60%	8.39 A.M.	Tremor				"	" " "
7	30.37	53	65	42				0	0	"	65%						"	" " "
8	30.38	55	67	41				0	0	"	70%	7.50 P.M.	"				"	" " "
9	30.20	53	60	40				13	3	S	75%	8.03 "	Shock				"	" " "
10	30.15	52	60	42				27	3	"	70%						"	" " "
11	30.08	53	58	41				30	10	"	75%						"	" " "
12	29.83	52	57	39				18	7	"	70%						"	" " "
13	29.67	50	50	36	.04	13.18		25	5	"	75%						cro	Cloudy . Rainy
14	29.45	48	47	37				17	3	"	80%						b	Clear " Cool
15	29.67	48	50	38				23	10	E	70%						"	" " "
16	29.77	47	52	36	.01	13.19		25	9	"	70%						cro	Cloudy . Rainy
17	29.68	48	50	39				27	13	"	75%						b	Clear " Cool
18	29.98	50	57	41				15	8	"	70%						"	" " "
19	30.10	50	52	36				21	8	"	65%						"	" " "
20	30.07	49	50	37				15	6	"	70%						"	" " "
21	30.16	48	57	34				13	7	"	65%						"	" " "
22	30.03	53	52	45	.02	13.21		10	3	"	75%						cro	Clear " Cool
23	29.85	57	63	58				13	1	S	85%						b	C " " "
24	29.67	52	60	43	.01	13.22		30	3	"	87%						cro	Cloudy " Rainy
25	30.—	50	50	41	.02	13.24		30	13	N	80%						"	" " "
26	30.08	48	48	39				20	10	E	75%						b	Clear " Cool
27	30.08	52	55	45				10	2	W	70%						"	" " "
28	30.07	50	57	42				0	0	"	75%						"	" " "
29																		
30																		
31																		
Totals	841—	1398	1516	1118	.35	13.24					2029							
Averages	30.04	49.93	54.14	39.93							72.46%							

SPECIAL REMARKS

INSTRUMENTS IN USE

Barometer *(Mercurial)*

Thermometers, Max. and Min.

Rain Recorder *(Electrical)*

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph. Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

	1913	Day	1912
Barometer Max.	30.38	8	30.23
" Min.	29.45	14	29.46
" Average	30.04	—	29.96
Thermometer Max.	67	8	72
" Min.	32	2	34
" Average	47.03	—	57.34
Rainfall in inches	.35	—	1.11
" " (Highest daily)	.25	4	.60
No of Earthquakes " Tremors etc.	3	—	12
Wind Velocity, Max.	30	11	40

Directions

N.	1
N. E.	
E.	16
S. E.	
S.	9
S. W.	
W.	2
N. W.	

Prevailing Winds East.

S. L. Caldwell B.Sc.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA, TURKEY

OBSERVER W. G. Schlenker

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Weather Bureau

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** March **1913**

Hour of Observation 8 A. M. **Longitude 17° 9′E of Greenwich-Latitude 38° 26′10″N.**

Height of cistern of Barometer above sea level 65 **feet**

Height of Thermometers above the ground:-Max. 3½ **feet, Min.** 3½ **feet**

Height of rim of Rain Gauge, above mean sea level 95 **feet, above the ground** 40 **feet**

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols.	REMARKS
1	29.97	55	63	50				15	2	S	85%						b	Clear and Cool
2	29.70	58	65	57	.01			15	3	"	90%						cro	Cloudy " Rainy
3	29.82	47	67	32	.50			55	10	N.E	85%						ore	" " Rain
4	30.10	45	55	28				65	27	N	70%						b	Clear " Cool
5	30.15	44	47	30				38	15	"	65%						"	" " "
6	30.30	48	57	37				8	1	N.E	70%						"	" " "
7	30.36	50	60	40				29	8	"	63%	4.25 A.M.	Slight Shock				"	" " "
8	30.35	53	65	41				20	8	"	70%						"	" " "
9	30.20	52	65	45				20	3	S	75%						"	" " "
10	30.14	57	67	50				8	1	"	80%						"	" " "
11	30.15	55	68	45				30	3	E	75%						"	" " "
12	30.25	53	62	42				25	10	N	60%						"	" " "
13	30.20	54	63	39				30	5	"	57%						"	" " "
14	30.34	52	60	41				23	2	"	50%						"	" " "
15	30.39	50	59	36				10	2	"	57%						"	" " "
16	30.33	52	60	37				0	0	W	65%						"	" " "
17	30.35	58	63	45				5	0	"	70%						"	" " "
18	30.15	57	67	47				7	0	S	75%						"	" " "
19	30.08	52	70	46				5	1	"	80%						"	" " "
20	30.18	55	70	50				15	1	"	85%						"	" " "
21	30.27	57	71	48				13	2	"	80%						"	" " "
22	30.25	58	70	47				0	0	W	70%						"	" " "
23	30.15	62	72	50				8	0	"	75%						"	" " "
24	30.15	63	75	53				5	0	S	70%						"	" " "
25	30.27	64	77	52				7	0	"	75%						"	" " "
26	30.25	65	75	56				5	0	"	80%						"	" " "
27	30.10	65	72	52				7	0	W	85%						"	" " "
28	29.95	68	74	57				0	0	"	80%						"	" " "
29	29.85	67	75	61	.01			35	8	S	87%						cro	Cloudy " Rainy
30	30.08	65	67	54	.52			30	3	E	85%						ore	Cloudy " Rain
31	30.16	57	65	45				43	15	N.E	70%						b	Clear " Cool
Totals	935.02	1738	2047	1413	1.04						2274							
Averages	30.16	56.07	66.03	45.58							73.36%							

INSTRUMENTS IN USE

Barometer *(Mercurial)*

Thermometers, Max. and Min.

Rain Recorder *(Electrical)*

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.39	15	30.35
"	Min.	29.70	2	29.75
"	Average	30.16	—	30.07
Thermometer	Max.	77	25	77.—
"	Min.	28	4	39.—
"	Average	55.80	—	56.89
Rainfall in inches		1.04	—	2.01
" "	(Highest daily)	.52	30	.45
No of Earthquakes Tremors etc.		1	—	5.
Wind Velocity, Max.		65	4	35

Directions

N.	6
N. E.	5
E.	2
S. E.	
S.	12
S. W.	
W.	6
N. W.	

Prevailing Winds South

SPECIAL REMARKS March 4th 1913. Highest Wind Record since 4/3/06, also a little snow.

S. L. Caldwell Ass. E.E.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER .....

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** April 1913

Hour of Observation 8 A. M. **Longitude 17° 9'E of Greenwich-Latitude 38° 25'10"N.**

Height of cistern of Barometer above sea level 65 **feet**

Height of Thermometers above the ground:-Max. 3¾ **feet, Min.** 3¼ **feet**

Height of rim of Rain Gauge, above mean sea level 95 **feet, above the ground** 45 **feet**

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	30.10	53	65	43		14.27		35	15	N.E.	70%							Clear and Cool
2	29.98	53	70	45				27	12	"	75%							" " "
3	29.90	57	63	45				15	—	W	80%							" " "
4	30.—	56	62	45				10	—	"	70%							" " "
5	30.12	53	61	47				18	3	E	75%							" " "
6	30.05	56	65	47				17	—	"	70%							" " "
7	29.50	60	67	57				13	—	S	75%							" " "
8	29.70	65	80	60				40	12	"	80%							" " "
9	29.87	66	72	56				23	8	"	85%							" " "
10	29.85	63	73	60				27	—	"	85%							" " "
11	29.80	64	70	50	.18	14.45		30	17	W	87%							Cloudy " Rainy
12	29.60	60	65	50	.02	14.47		10	—	S	90%							" " "
13	29.80	58	63	52	.10	14.57		13	—	"	90%							" " "
14	29.95	61	67	55				20	8	"	87%							Clear " Cool
15	29.80	65	76	60	.15	14.72		35	9	"	85%							Cloudy " Rainy
16	29.92	65	75	57	.10	14.82		35	5	"	80%							" " "
17	30.—	59	67	52				17	—	N	75%							Clear " Cool
18	30.13	62	67	50				18	5	"	70%							" " "
19	30.05	61	72	52				20	3	"	75%							" " "
20	29.95	59	70	57	.02	14.84		—	—	"	80%							Cloudy " Rainy
21	29.80	63	67	57	.24	15.08		—	—	S	95%							" " "
22	29.85	62	63	55	.15	15.23		8	—	W	90%							" " "
23	30.08	60	70	52				10	3	N	87%							Clear " Cool
24	30.13	58	75	54				25	12	"	75%							" " "
25	30.02	63	75	55				13	2	"	70%							" " "
26	30.03	62	73	52				7	—	W	75%							" " "
27	30.05	62	75	54				9	—	"	80%							" " "
28	30.03	67	75	63				—	—	"	85%							" " "
29	29.97	69	80	62	.01	15.24		13	—	S	87%							Cloudy " Rainy
30	29.87	75	85	63				35	2	E	80%							Clear " Cool
31																		
Totals	898.22	1838	2108	1609	.97	15.24					2408							
Averages	29.94	61.26	70.26	53.63							80.26%							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.13	18	30.23
"	Min.	29.60	12	29.67
"	Average	29.94	—	29.98
Thermometer	Max.	88	30	84
"	Min.	43	1	41
"	Average	61.24	—	60.30
Rainfall in inches		.97	—	.54
" "	(Highest daily)	.24	21	.30
No of Earthquakes Tremors etc.		—	—	6
Wind Velocity, Max.		40	8	32

Directions

N.	6
N. E.	5
E.	2
S. E.	
S.	12
S. W.	
W.	6
N. W.	

Prevailing Winds South

SPECIAL REMARKS

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Arthur J. Elliot

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during May 1913

Hour of Observation 8 A. M.

Longitude 17° 9'E of Greenwich-Latitude 38° 26'10"N.

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:- Max. 3 3/4 feet, Min. 3/4 feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL, IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols.	REMARKS
1	29.82	64	70	54	.10	15.34		25	10	E	90%							Cloudy and Rainy
2	29.78	60	71	57	.03	15.37		23	3	W	95%							" " "
3	29.93	63	72	52				17	5	N	85%							Clear " Cool
4	29.92	65	75	54				15	—	S	80%							" " "
5	29.77	67	76	58	.50	15.87		30	9	"	85%							Cloudy " Rainy
6	29.80	63	71	55	.30	16.17		13	3	"	87%							" " "
7	29.50	65	76	60	.15	16.32		44	8	"	90%							" " "
8	29.60	67	68	59	.18	16.50		36	14	"	95%							" " "
9	29.87	63	65	53	.25	16.75		7	2	"	90%							" " "
10	29.87	60	70	55				5	—	W	90%							Clear " Cool
11	29.88	62	73	55				7	—	S	87%							" " "
12	29.95	63	75	54				20	—	W	90%							" " "
13	29.94	65	77	59				7	—	S	80%							" " "
14	30.	64	78	55				15	2	W	85%							" " "
15	30.	62	72	54	.05	16.80		25	5	N	80%							Cloudy " Rainy
16	30.08	60	75	53				37	13	E	45%							Clear " Cool
17	30.05	61	77	52				25	3	"	70%							" " "
18	30.	64	70	52				17	3	W	75%							" " "
19	29.93	68	77	63				15	2	"	80%							" " "
20	29.98	67	75	57				7	2	"	70%							" " "
21	29.97	68	83	65				10	—	"	75%							" " "
22	29.93	67	80	62	.05	16.85		17	—	"	85%							Cloudy " Rainy
23	29.89	68	79	60				12	—	S	80%							Clear " Cool
24	29.85	67	78	57				17	2	W	85%							" " "
25	29.90	70	75	60	.20	17.05		7	—	"	87%							Cloudy " Rainy
26	30.—	68	70	59	.05	17.10		7	2	"	90%							" " "
27	30.10	63.5	76	60				20	7	N	75%							Clear " Cool
28	30.09	64	78	55				30	13	"	70%							" " "
29	30.05	67	75	60				17	3	S	75%							" " "
30	30.07	70	83	63				15	0	"	70%							" " "
31	30.12	72	82	62				23	2	E	65%							" " "
Totals	927.64	2017.5	2322	1654 (774, 5775)	1.86	17.10					2466							
Averages	29.92	65.08	74.90	53.35							79.54%							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Larder principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.12	31	30.18
"	Min.	29.50	7	29.80
"	Average	29.92	—	30.01
Thermometer	Max.	83	21	90
"	Min.	52	3	48
"	Average	64.12	—	68.35
Rainfall in inches		1.86	—	.91
" "	(Highest daily)	.50	5	.65
No of Earthquakes Tremors etc.		—	—	2
Wind Velocity, Max.		47	7	30

Directions

N.	4
N. E.	
E.	4
S. E.	
S.	11
S. W.	
W.	12
N. W.	

Prevailing Winds South West

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER _____

91

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** June 19 13

Hour of Observation 8 A. M. **Longitude 17° 9'E of Greenwich-Latitude 38° 26'10"N.**

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:-Max. 3¾ feet, Min. 3¼ feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	30.07	73	85	65		17.10		23	10	N	70%							Clear and Hot
2	30.05	74.5	87	65				27	8	E	65%							" " "
3	30.13	72	89	65				25	5	"	60%							" " "
4	30.14	68	90	60				30	3	"	53%							" " "
5	30.1[illegible]	69	85	63				13	5	N	60%							" " "
6	30.12	68	82	60				15	—	W	65%							" " "
7	30.03	70	82	65				17	—	"	70%							" " "
8	29.97	73	84	68				15	3	"	75%							" " "
9	30.	74	85	67				21	6	"	80%							" " "
10	29.90	70	84	65	.05	17.15		25	—	S	87%							Cloudy - Rainy
11	29.90	68	75	63	.20	17.35		15	2	"	90%							" " "
12	29.93	72	82	65				17	5	W	85%							Clear " Hot
13	29.96	74	85	68				17	3	"	90%							" " "
14	29.94	75	90	70				20	2	S	87%							" " "
15	30.03	73	87	65				23	10	E	80%							" " "
16	30.10	70	85	63				24	5	"	70%							" " "
17	30.15	68	80	60				25	9	"	65%							" " "
18	30.16	67	78	61				20	8	"	60%							" " "
19	30.18	68	80	60				20	6	N	57%							" " "
20	30.16	69	82	60				17	—	W	65%							" " "
21	30.05	70	85	62				15	3	"	60%							" " "
22	30.03	74	90	68				13	—	"	65%							" " "
23	29.97	76	92	71				15	—	"	60%							" " "
24	29.90	75	95	70				15	—	S	65%							" " "
25	30.—	75.5	87	70				22	3	W	70%							" " "
26	29.90	73	89	68				25	5	"	75%							" " "
27	29.85	73.5	90	70				8	—	S	75%							" " "
28	29.80	73	94	70				25	7	"	70%							" " "
29	29.90	70	85	68				20	7	"	75%							" " "
30	29.95	73	87	67				17	—	W	80%							" " "
31																		
Totals	900.48	2139.5	2571	1962	.25	17.35					2129							
Averages	30.01	71.31	85.7	65.4							70.96%							

SPECIAL REMARKS

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.18	19	30.04
"	Min.	29.80	28	29.80
"	Average	30.01	—	29.88
Thermometer	Max.	95	24	102
"	Min.	60	—	64
"	Average	75.55	—	79.30
Rainfall in inches		.25	—	.15
" "	(Highest daily)	.20	11	.15
No of Earthquakes Tremors etc.		—	—	1
Wind Velocity, Max.		30	4	35

Directions

N.	3
N. E.	
E.	7
S. E.	
S.	7
S. W.	
W.	13
N. W.	

Prevailing Winds West.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER _____

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** July **19** 13

Hour of Observation 8 A. M. **Longitude 17° 9'E of Greenwich-Latitude 38° 26'10"N.**

Height of cistern of Barometer above sea level 65 **feet**

Height of Thermometers above the ground:-Max. 3 3/4 **feet, Min.** 3 1/4 **feet**

Height of rim of Rain Gauge, above mean sea level 95 **feet, above the ground** 45 **feet**

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES ✓ Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	30.05	68.5	80	62				13	3	W	65%							Clear and Hot
2	30.	73	83	62				15	—	"	70%							" " "
3	30.05	72	83	63				20	8	"	75%							" " "
4	30.04	74	82	64				15	5	"	80%							" " "
5	30.02	75	87	70				17	4	S	67%							" " "
6	29.92	76	95	75				27	3	"	57%							" " "
7	29.90	78	96	72				25	10	"	65%							" " "
8	30.07	82	90	70				20	3	W	57%							" " "
9	30.05	80	90	75				17	5	"	63%							" " "
10	29.97	82	100	77				18	—	"	70%							" " "
11	30. —	75	90	67				17	7	"	50%							" " "
12	29.78	82	95	87				20	—	E	45%							" " "
13	29.93	83	97	73				20	7	S	50%							" " "
14	30.07	78	90	67				15	5	W	55%							" " "
15	30. —	75	85	70				20	5	"	63%							" " "
16	29.95	76	90	68				15	5	"	70%							" " "
17	29.87	76.5	90	70				10	3	"	75%							" " "
18	29.80	65	95	72				13	3	"	78%							" " "
19	29.75	68	94	67	.53	.53		20	3	"	85%							Cloudy " Rainy
20	29.87	75	87	65	.02	.55		15	5	"	87%							" " "
21	29.90	76	85	68				13	5	"	80%							Clear " Hot
22	30 —	77.5	87	70				16	3	"	75%							" " "
23	29.90	78	90	72				13	3	"	70%							" " "
24	29.75	76	92	68				10	2	"	65%							" " "
25	29.78	75	87	67				7	2	"	70%							" " "
26	29.80	76.5	92	72				13	3	"	57%							" " "
27	29.97	75	85	68				17	5	"	65%							" " "
28	29.95	78	87	67	.05	.60		20	3	W	75%							Cloudy " Rainy
29	29.87	75	87	70	.02	.62		15	3	N	87%							" " "
30	29.90	74	86	68				20	—	"	80%							Clear " Cool
31	29.95	73.5	87	70				18	6	"	75%							" " "
Totals	927.86	2348.5	2764	2256	.62	.62					2126							
Averages	29.93	75.76	89.16	72.77							68.8%							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.07	8	30.05
"	Min.	29.75	19	29.70
"	Average	29.93	—	29.92
Thermometer	Max.	100	10	101
"	Min.	62	1	61
"	Average	80.96	—	80.19
Rainfall in inches		.62	—	—
" " (Highest daily)		.53	—	—
No of Earthquakes		—	—	—
Tremors etc.				
Wind Velocity, Max.		27	6	27

Directions

N.	3
N. E.	
E.	1
S. E.	
S.	4
S. W.	
W.	23
N. W.	

Prevailing Winds West.

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchitouchjian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during August **19** 13

Hour of Observation 8 A. M. **Longitude 17° 9'E of Greenwich-Latitude 38° 26'10"N.**

Height of cistern of Barometer above sea level 65 **feet**

Height of Thermometers above the ground:-Max. 3 3/4 **feet, Min.** 3 1/4 **feet**

Height of rim of Rain Gauge, above mean sea level 95 **feet, above the ground** 45 **feet**

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	29.80	73.5	90	72		.62		20	3	S	75%							Clear and Hot
2	29.82	80	90	67	.75	1.37		20	8	N	85%							Cloudy " Rainy
3	29.90	76	87	65				35	5	"	80%							Clear " Hot
4	29.87	75	85	67				10	2	"	75%							" " "
5	29.90	74	87	65	.15	1.52		14	—	"	70%							Cloudy " Rainy
6	29.97	73	82	64	.13	1.65		15	3	W	75%							" " "
7	29.98	74	90	70				14	3	"	70%							Clear " Hot
8	29.92	75	87	67				20	5	"	65%							" " "
9	29.82	78	95	75				15	—	S	60%							" " "
10	29.95	77.5	97	73				13	3	N	57%							" " "
11	30.02	76	95	70				20	5	"	50%							" " "
12	30.07	80	97	75				17	8	E	45%							" " "
13	29.95	79	98	75				20	7	"	40%							" " "
14	29.85	79	90	73				15	3	"	47%							" " "
15	29.80	76	89	73				13	2	"	53%							" " "
16	29.92	76	95	75				23	9	S	60%							" " "
17	30.03	78	90	70				10	0	N	65%							" " "
18	30.06	77	87	73				13	5	"	70%							" " "
19	30.03	78	88	75				15	5	"	60%							" " "
20	30.—	78.5	97	75				23	10	"	50%							" " "
21	29.92	80	99	76				17	5	E	57%							" " "
22	29.85	78	95	70				10	3	W	65%							" " "
23	29.93	80	98	73				10	2	"	70%							" " "
24	29.92	78	95	73				10	3	"	75%							" " "
25	29.93	75	87	68	1.05	2.70		10	—	S	85%							Cloudy " Rainy
26	30.—	73	85	67	.75	3.45		5	2	N	80%							" " "
27	30.02	75	87	73				7	3	"	73%							Clear " Hot
28	29.90	73.5	90	67	.05	3.50		8	2	"	75%							Cloudy " Rainy
29	29.85	70	87	65	.02	3.52		5	3	W	80%							" " "
30	29.95	72	85	64				7	3	"	75%							Clear " Hot
31	30.10	73	80	60	1.68	5.20		8	3	N	85%							Cloudy " Rainy
Totals	928.23	2360	2802	2175	4.58	5.20					2072							
Averages	29.94	76.12	90.38	70.16							66.83%							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.10	31	30.03
"	Min.	29.80	1	29.72
"	Average	29.94	—	29.91
Thermometer	Max.	99	21	100
"	Min.	60	31	65
"	Average	80.27	—	81.26
Rainfall in inches		4.58	—	—
" "	(Highest daily)	1.68	31	—
No of Earthquakes		1	17	1
Tremors etc.		35	3	30
Wind Velocity, Max				

Directions

N.	14
N. E.	
E.	5
S. E.	
S.	4
S. W.	
W.	8
N. W.	

Prevailing Winds North.

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchilaukdjian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** September **19** 13

Hour of Observation 8 A. M. **Longitude 17° 9'E of Greenwich-Latitude 38° 28'10"N.**

Height of cistern of Barometer above sea level 65 **feet**

Height of Thermometers above the ground:-Max. 3 3/4 **feet, Min.** 3 1/4 **feet**

Height of rim of Rain Gauge, above mean sea level 95 **feet, above the ground** 45 **feet**

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	30.10	73	83	65		5.20		5	3	NE	75%							Clear and Hot
2	30.05	75	85	65				13	3	"	70%							" " "
3	29.97	75.5	87	66				13	2	W	75%							" " "
4	30.—	73	90	68				15	4	"	75%							" " "
5	29.90	78	95	65				25	10	"	75%							" " "
6	29.80	75	97	67				13	2	NE	65%							" " "
7	29.87	70	85	64				13	3	"	75%							" " "
8	29.87	73	87	63				20	3	"	85%							" " "
9	29.86	68	86	65				20	6	"	80%							" " "
10	29.85	70	88	67				15	5	S	75%							" " "
11	29.88	68	85	62				10	3	"	70%							" " "
12	29.87	70	87	65				13	3	"	65%							" " "
13	29.80	75	87	64				13	7	W	60%							" " "
14	29.85	68	90	68				10	2	"	57%							" " "
15	29.93	73	93	70				15	3	"	53%							" " "
16	29.83																	
17	29.85																	
18	29.92																	
19	29.89																	
20	29.86																	
21	29.88																	
22	29.87																	
23	29.58																	
24					.60	5.80												
25																		
26	29.84		84	75														
27	29.86																	
28	29.90																	
29	29.80				.60	6.40												
30	29.90																	
31																		
Totals					1.20	6.40												
Averages																		

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

	1913	Day	1912
Barometer Max.			30.20
" Min.			29.80
" Average			30.07
Thermometer Max.			99
" Min.			60
" Average			75.47
Rainfall in inches	1.20	—	1.03
" " (Highest daily)	.60	24	.55
No of Earthquakes Tremors etc.			1
Wind Velocity, Max.			25

Directions (Prevailing Winds): N. N.E. E. S.E. S. S.W. W. N.W.

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS

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INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchelebian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during October 1913

Hour of Observation 8 A. M. Longitude 17° 9'E of Greenwich-Latitude 38° 26'10"N.

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:-Max. 3 3/4 feet, Min. 3 3/4 feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	29.92		76			6.40												
2	29.96		75															
3	30.10		81															
4	30.03		78															
5	29.97		83															
6	29.92		90															
7	29.92		93															
8	29.91		94															
9	29.92		85															
10	29.93		85															
11	29.90		87															
12	29.84		90															
13	29.83		91															
14	29.84		76															
15	29.90		73															
16	29.92		77															
17	29.88		76		.50	6.90												
18	29.85		75		.37	7.27												
19	29.91		72															
20	29.85		70															
21	29.80		72															
22	29.90		75															
23	29.93		76															
24	29.90		74															
25	29.88		71															
26	29.95		75															
27	30.00		76															
28	29.97		74															
29	29.90		76															
30	29.90		78															
31	29.90		78															
Totals	927.13		2452		.87	7.27												
Averages	29.90		79.09															

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.10	3	30.30
"	Min.	29.83	13	29.65
"	Average	29.90	–	30.08
Thermometer	Max.	94	8	88
"	Min.			45
"	Average			67.30
Rainfall in inches		.87	–	1.97
" "	(Highest daily)	.50	17	.96
No of Earthquakes Tremors etc.				3
Wind Velocity, Max.				25

Directions N. N. E. E. S. E. S. S. W. W. N. W.

Prevailing Winds

SPECIAL REMARKS

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AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchelebian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during November 1913

Hour of Observation 8 A. M. Longitude 17° 9'E of Greenwich Latitude 38° 25'16"N.

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:-Max. 3¾ feet, Min. ¾ feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	(From July 1st) RAINFALL IN INCHES Per Day	Total to Date	Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	Average 11-12 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	29.90		74			7.27												
2	29.94		75															
3	29.93		73															
4	29.89		70															
5	29.84		71															
6	29.85		70															
7	29.90		75															
8	29.83		73															
9	29.90		69		.84	8.11												
10	30.10		69															
11	30.20		70															
12	30.13		73															
13	30.02		67															
14	29.93		76															
15	29.87		75															
16	29.80		70															
17	29.83		70															
18	29.84		66		.40	8.51												
19	29.90		56															
20	29.88		61															
21	30.15		60															
22	30.10		62															
23	29.94		63															
24	29.83		65															
25	29.90		65															
26	30.–		63															
27	30.10		56															
28	29.77		54															
29	29.36		50		.30	8.81												
30	29.90		52		.13	8.94												
31	—																	
Totals	898.50		1983		1.67	8.94												
Averages	29.95		66.1															

SPECIAL REMARKS

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.20	11	30.30
"	Min.	29.36	29	29.67
"	Average	29.95	–	30.32
Thermometer	Max.	76	14	82
"	Min.			39
"	Average			61.29
Rainfall in inches				3.81
" "	(Highest daily)	.84		1.20
No of Earthquakes Tremors etc.				—
Wind Velocity, Max				38

Directions: N. N. E. E. S. E. S. S. W. W. N. W.

Prevailing Winds

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Schlaubitzer

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during December 1913

Hour of Observation 8 A. M.

Longitude 17° 9'E of Greenwich-Latitude 38° 26'10"N.

Height of cistern of Barometer above sea level 65 feet

Height of Thermometers above the ground:-Max. 8 3/4 feet, Min. 3 3/4 feet

Height of rim of Rain Gauge, above mean sea level 95 feet, above the ground 45 feet

DAY	BAROMETER Uncorrected	BAROMETER Attached Ther.	TEMPERATURE Max. Shade	TEMPERATURE Min. Shade	RAINFALL IN INCHES (From July 1st) Per Day	RAINFALL Total to Date	RAINFALL Last Year to same date	WIND VELOCITY IN MILES PER HOUR Max.	WIND Average 11-12 A.M.	WIND Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	30.09		48			8.94												
2	29.90		55															
3	29.88		58															
4	30.15		59															
5	30.05		60															
6	29.80		60															
7	29.50		60		1.18	10.12												
8	29.48		59															
9	29.46		58		.52	10.64												
10	29.60		55		.11	10.75												
11	29.53		63															
12	29.42		54		.59	11.34												
13	29.53		52		.40	11.74												
14	29.76		53															
15	29.70		60															
16	29.52		46		1.10	12.84												
17	29.93		46															
18	30.05		46															
19	30.09		44	25														
20	30.16		56	20														
21	30.20		50	20														
22	30.13		49	25														
23	30.10		53	35														
24	30.05		56	35														
25	29.94		57	35														
26	29.80		59	25														
27	30.16		63	48	1.25	13.09												
28	30.08		53	49														
29	29.92		55	47														
30	29.63		60	49	.08	13.17												
31	29.93		61	49	.47	13.64												
Totals	925.54		1704		4.70	13.64												
Averages	29.85		55															

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		1913	Day	1912
Barometer	Max.	30.20	21	30.43
"	Min.	29.42	12	29.87
"	Average	29.85	—	30.15
Thermometer	Max.	63	11	67
"	Min.			38
"	Average			52.5
Rainfall in inches		4.70	—	2.65
" "	(Highest daily)	1.25	27	.95
No of Earthquakes Tremors etc.				—
Wind Velocity, Max				30

Directions (Prevailing Winds): N. N. E. E. S. E. S. S. W. W. N. W.

SPECIAL REMARKS

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