METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Echilouhdjian

QC
990
.T9
M4
1914
(incomplete)

National Oceanic and Atmospheric Administration

Environmental Data Rescue Program

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September 14, 1999

208 Jan-Oct-1914 Hold-for later pub-
when war is over,

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** January 1914

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 feet

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

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

DAY	BAROMETER		TEMPERATURE		(From July 1st) RAINFALL IN INCHES			WIND VELOCITY IN MILES PER HOUR			HUMIDITY	SEISMOSCOPE AND SEISMOGRAPH					Beaufort Notation and Int. Symbols	REMARKS
	Uncorrected	Attached Ther.	Max. Shade	Min. Shade	Per Day	Total to Date	Last Year to same date	Max.	Average 11-12 A.M.	Direction	% of Moisture	Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres		
1	29.93		63	68	.17	13.81												
2	29.90		64	49														
3	29.95		62	46	.28	14.09												
4	29.94		60	36														
5	29.96		60	35														
6	29.49		50	36	.45	14.54												
7	29.46		60	57	.30	14.84												
8	29.40		53	39	.30	15.14												
9	29.44		50	46	.45	15.59												
10	29.60		48	35														
11	29.89		46	34														
12	29.83		47	36														
13	29.94		46	35														
14	29.98		45	35														
15	29.93		59	40														
16	29.86		55	59														
17	29.76		58	60	.10	15.69												
18	29.50		57	52	2.77	18.46												
19	29.40		60	52	.22	18.68												
20	29.27		60	50	.80	19.48												
21	29.77		56	41	.15	19.63												
22	29.58		51	44	.22	19.85												
23	29.60		57	43	.15	20.–												
24	29.82		58	45	.14	20.14												
25	29.34		53	37														
26	30.14		45	35														
27	30.05		49	36														
28	30.02		54	28														
29	29.97		56	36														
30	29.92		47	38	.11	20.25												
31	30.02		47	36														
Totals	922.66		1776	1319	6.61	20.25												
Averages	29.74		57.29	42.54														

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

		1914	Day	1913
Barometer	Max.	30.14	26	30.33
"	Min.	29.27	20	29.75
"	Average	29.74	–	30.04
Thermometer	Max.	64	2	65
"	Min.	28	28	35
"	Average	49.91	–	50
Rainfall in inches		6.61	–	3.43
" " (Highest daily)		2.77	18	.98
No of Earthquakes Tremors etc.		—	—	—
Wind Velocity, Max		—	—	30

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

Prevailing Winds

SPECIAL REMARKS According to the measurements of the Aidin Rway Co., the height of Paradise is 61 meters above sea level, approximately 185 feet. Actualities of the height of the instruments in use have not been taken yet.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER _____

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** February **19** 14

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 feet

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

Height of rim of Rain Gauge, above mean sea level feet, above the ground 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		54	36		20.25												
2	30.08		55	37														
3	29.98		59	36														
4	29.98		54	41														
5	30.08		60	41														
6	30.10		61	34														
7	30.05		65	35														
8	30.05		60	41														
9	30.07		59	36														
10	30.02		58	35				7	2	E								
11	30.—		57	39				10	3	"								
12	30.03		57	38				12	6	"								
13	29.92		58	39				5	0	W								
14	29.90		56	38				15	0	"								
15	30.03		58	40				15	5	"								
16	30.04		57	38				20	5	"								
17	29.87		59	38				18	5	E								
18	29.87		57	30				10	3	N								
19	29.95		61	30				5	—	E								
20	29.85		68	48				5	—	S								
21	29.82		69	50	.07	20.32		27	16	"								
22	29.80		70	49	.01	20.33		6	—	"								
23	29.70		66	50				0	—	"								
24	29.40		65	53				10	2	"								
25	29.65		58	48	.35	20.68		29	—	"								
26	29.87		63	52				16	8	"								
27	29.75		65	53				20	5	E								
28	29.65		68	58	.05	20.73		13	6	W								
29																		
30																		
31																		
Totals	837.62		1697	1163	.48	20.73												
Averages	29.91		60.60	41.53														

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

		1914	Day	1913
Barometer	Max.	30.10	1	30.38
"	Min.	29.40	24	29.45
"	Average	29.91	-	29.91
Thermometer	Max.	70	22	67
"	Min.	30	18	32
"	Average	51.06	—	49.5
Rainfall in inches		.48	—	.35
" "	(Highest daily)	.35	25	.25
No of Earthquakes		—	—	3
Tremors etc.		—	—	
Wind Velocity, Max		—	—	30

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. Tchibouk-Djian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** March **19** 14

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 feet

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

Height of rim of Rain Gauge, above mean sea level feet, **above the ground** 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	29.65	59	63	42	.21	20.93		24	12	S								Clear and Cool
2	29.60	58	70	45				10	–	E								" " "
3	29.67	58.5	59	41				13	3	"								" " "
4	29.75	57	62	38				12	2	W								" " "
5	29.50	57.5	56	39	.37	21.30		23	10	"								Cloudy " Rainy
6	29.54	56	56	45	.02	21.32		15	2	N								" " "
7	29.60	55	58	38				11	3	S								Clear " Cool
8	29.70	56	61	43				15	2	"								" " "
9	29.97	57	68	45				12	3	"								" " "
10	30.08	58.5	69	42				15	12	W								" " "
11	30.07	59.5	68	52				25	11	S								" " "
12	30.07	60	67	48				20	9	"								" " "
13	30.—	60.5	70	45				25	12	E								" " "
14	30.03	62	70	47				21	6	"								" " "
15	30.10	61	68	40				37	2	N								" " "
16	29.97	60	70	38				38	14	E								" " "
17	29.65	60.5	69	35				5	1	"								" " "
18	29.55	59	65	45	.02	21.34		25	–	S								Cloudy " Rainy
19	29.87	60	68	45	.11	21.45		35	15	"								" " "
20	29.92	59	67	45				27	2	W								Clear " Cool
21	29.84	61	69	52				33	16	"								" " "
22	29.73	62	72	54				40	17	S								" " "
23	29.85	63	73	52				47	23	"								" " "
24	29.78	64	73	45				25	11	"								" " "
25	29.53	65	77	54	.05	21.50		40	15	"								Cloudy " Rainy
26	29.50	63	65	51	.10	21.60		35	3	"								" " "
27	29.27	62.5	67	53	.32	21.92		40	15	W								" " "
28	29.27	62	63	48	.35	22.27		35	15	S								" " "
29	29.57	61	60	46	.20	22.47		28	10	"								" " "
30	29.86	60.5	61	42	.06	22.53		22	–	"								" " "
31	29.95	59	62	45				31	3	W								Clear " Cool
Totals	922.44	1857	2046	1400	1.81	22.53												
Averages	29.75	59.90	66	45.16														

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

		1911	Day	1913
Barometer	Max.	30.10	15	30.39
"	Min.	29.27	27	29.70
"	Average	29.75	–	30.16
Thermometer	Max.	77	25	77
"	Min.	35	17	28
"	Average	55.58	–	55.95
Rainfall in inches		1.81	–	1.04
" "	(Highest daily)	.37	–	.52
No of Earthquakes		—	—	1
Tremors etc.				
Wind Velocity, Max.		47	23	65

Directions

N.	2
N. E.	
E.	6
S. E.	
S.	16
S. W.	
W.	7
N. W.	

Prevailing Winds South.

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** April **1914**

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 186 **feet**

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

Height of rim of Rain Gauge, above mean sea level **feet, above the ground** **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	29.98	58	61	42		22.53		47	14	E								Clear and Cool
2	29.93	58.5	56.5	40				40	18	"								" " "
3	29.85	59	64	37				33	13	S								" " "
4	29.87	60	71	47				15	3	"								" " "
5	29.80	62	70	48				37	15	"								" " "
6	29.70	61.5	65	50				38	16	"								" " "
7	29.57	62	67	45	.15	22.68		35	15	"								Cloudy " Rainy
8	29.82	63	68	38				20	—	"								Clear " Cool
9	29.83	63	72	48				25	5	"								" " "
10	29.75	64	73	50				34	16	"								Cloudy " Rainy
11	29.83	65	70	53	.57	23.25		30	12	"								" " "
12	29.80	64	65	54	.05	23.30		37	—	"								Clear " Cool
13	29.77	63.5	71	51				39	13	W								" " "
14	29.80	64	72	50				30	10	"								" " "
15	29.78	63	70	48				27	12	"								" " "
16	29.67	65	67	47				30	3	S								" " "
17	29.70	65.5	73	53				27	2	"								" " "
18	29.75	66	73	50				22	—	N								" " "
19	29.76	67	70	52				40	3	"								" " "
20	29.90	64	63	42				45	23	"								" " "
21	29.82	62	58	45				38	18	"								" " "
22	29.93	62.5	67	50				45	13	W								" " "
23	29.80	61	63	45				47	17	E								" " "
24	29.75	62	67	47				40	17	"								" " "
25	29.75	62	66	40				25	4	"								" " "
26	29.85	63	70	45				20	2	"								" " "
27	29.97	64	71	47				20	—	"								" " "
28	30.—	63	68	38				37	8	"								" " "
29	30.03	64	70	42				25	3	N								" " "
30	30.05	65	72	43				30	13	E								" " "
31																		
Totals	894.81	1886.5	2023.5	1387	.77	23.30												
Averages	29.82	62.88	67.45	46.23														

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

		1914	Day	1913
Barometer	Max.	30.05	30	30.13
"	Min.	29.57	7	29.60
"	Average	29.82	—	29.94
Thermometer	Max.	73	17	85
"	Min.	37	3	43
"	Average	56.84	—	61.94
Rainfall in inches		.77	—	.97
" "	(Highest daily)	.57	—	.44
No of Earthquakes		—	—	—
Tremors etc.				
Wind Velocity, Max.		47	1	40

Directions

N.	5
N. E.	
E.	9
S. E.	
S.	12
S. W.	
W.	4
N. W.	

Prevailing Winds South.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchilingirian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during May 1914

Hour of Observation 8 A. M. Longitude 17° 9'E of Greenwich-Latitude 38° 26'16"N.

Height of cistern of Barometer above sea level feet

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

Height of rim of Rain Gauge, above mean sea level feet, above the ground 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	64.5	73	45		23.30		17	3	E								Clear and Cool
2	29.98	65	78	55				27	9	S								" " "
3	30.03	67	76	50				30	10	"								" " "
4	30.17	67.5	75	50				40	8	E								" " "
5	29.97	66	72	51				40	17	"								" " "
6	29.78	67	73	52				40	18	"								" " "
7	29.70	67.5	72	47				21	3	"								" " "
8	29.73	67	70	55	.05	23.35		20	14	S								Cloudy " Rainy
9	29.84	66	71	56	.02	23.37		23	—	"								" " "
10	29.92	68	80	57				32	9	W								Clear " Cool
11	29.77	70	81	50				27	2	"								" " "
12	29.65	69	89	57				26	5	E								" " "
13	29.80	65	76	45				29	13	"								" " "
14	29.87	63	75	43				25	2	"								" " "
15	29.86	67	78	47				18	—	"								" " "
16	29.90	70	80	60	.08	23.45		27	12	S								Cloudy " Rainy
17	29.83	73	85	55				37	10	"								Clear " Cool
18	29.85	72.5	78	50				23	10	"								" " "
19	29.75	70	82	50				25	2	"								" " "
20	29.60	70	82	54				22	3	"								" " "
21	29.53	72	80	60	.05	23.50		22	10	E								Cloudy " Rainy
22	29.73	72.5	75	55	.30	23.80		19	—	"								" " "
23	30.03	70	77	57				38	15	"								Clear " Cool
24	29.98	71	74	54				38	18	"								" " "
25	29.85	68	70	50	.07	23.87		27	7	"								Cloudy " Rainy
26	29.97	67	72	54				28	1	"								Clear " Cool
27	30.—	67	80	53				30	8	"								" " "
28	29.95	65	79	52				28	2	"								" " "
29	29.80	70	84	60				28	1	W								" " "
30	29.80	72	81	55				25	4	"								" " "
31	29.75	75	91	61				34	—	"								" " "
Totals	923.46	2124.5	2409	1640	.57	23.87												
Averages	29.98	68.5	77.71	52.90														

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

	1914	Day	1913
Barometer Max.	30.17	4	30.12
" Min.	29.53	21	29.50
" Average	29.98	—	29.92
Thermometer Max.	91	31	83
" Min.	43	14	52
" Average	65.30	—	64.12
Rainfall in inches	.57	—	1.86
" " (Highest daily)	.30	22	.50
No of Earthquakes	—	—	—
Tremors etc.			
Wind Velocity, Max	40	4	47

Directions

N.	
N. E.	
E.	17
S. E.	
S.	9
S. W.	
W.	5
N. W.	

Prevailing Winds East.

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchiboukhjian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** June **19** 14

Hour of Observation 8 A. M. **Longitude 17° 9'E of Greenwich-Latitude 38° 25'18"N.**

Height of cistern of Barometer above sea level feet

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

Height of rim of Rain Gauge, above mean sea level feet, **above the ground** 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	29.63	75	90	65		23.30		25	7	E								Clear and Cool
2	29.55	73	77	60	.05	23.35		38	10	S								Cloudy " Rainy
3	29.63	72	78	50				28	12	"								Clear " Cool
4	29.55	70	82	56				22	10	"								" " "
5	29.60	68	81	60	.02	23.37		35	11	"								Cloudy " Rainy
6	29.57	71	76	50				30	11	"								Clear " Cool
7	29.58	71.5	78	59				35	12	"								" " "
8	29.48	72	80	61	.73	24.10		45	17	"								Cloudy " Rainy
9	29.65	71	73	59				30	12	"								Clear " Cool
10	29.75	68	78	57				31	15	"								" " "
11	29.76	72	82	57				18	3	"								" " "
12	29.72	70	83	59				14	2	"								" " "
13	29.72	74	82	60				27	13	"								" " "
14	29.80	74.5	80	55				27	3	W								" " "
15	29.87	67	82	54				27	2	"								" " "
16	29.77	75	87	61				18	—	"								" " "
17	29.63	76	96	67				23	1	"								" " Hot
18	29.75	73	86	65				30	3	E								" " "
19	29.85	74	83	57				28	13	"								" " "
20	29.80	72.5	87	60				22	—	"								" " "
21	29.82	78	89	59				28	2	"								" " "
22	29.80	78	88	63				27	2	"								" " "
23	29.80	79	86	65				30	2	"								" " "
24	29.82	78.5	88	67	.15	24.25		29	5	"								Cloudy " Rainy
25	29.70	77	86	67				34	13	"								Clear " Hot
26	29.64	80	87	63				33	14	"								" " "
27	29.65	76.5	84	67				22	2	S								" " "
28	29.74	78	80	68	.05	24.30		25	3	"								Cloudy " Rainy
29	29.80	79	86	69				30	4	"								Clear " Hot
30	29.75	78	87	70				30	9	"								" " "
31																		
Totals	891.18	2221.5	2502	1830	1.00	24.30												
Averages	29.70	74.05	83.4	61														

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

		1914	Day	1913
Barometer	Max.	29.87	15	30.18
"	Min.	29.48	8	29.80
"	Average	29.70	—	30.01
Thermometer	Max.	96	17	95
"	Min.	50	3	60
"	Average	72.2	—	75.55
Rainfall in inches		1.00	—	.25
" "	(Highest daily)	.73	8	.20
No of Earthquakes Tremors etc.		—	—	—
Wind Velocity, Max.		45	8	30

Directions

N.	
N. E.	
E.	10
S. E.	
S.	16
S. W.	
W.	4
N. W.	

Prevailing Winds East + South

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchilaukdjian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** July 19 14

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 feet

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

Height of rim of Rain Gauge, above mean sea level feet, **above the ground** 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	29.70	80	86	70				35	8	W								Clear and Hot
2	29.82	78	82	50	.05	.05		35	14	"								Cloudy " Rainy
3	29.85	77.5	84	54	.15	.20		30	—	E								" " "
4	29.80	75	78	52				21	8	"								Clear " Hot
5	29.68	76	87	57				12	—	"								" " "
6	29.65	78	92	62				24	1	"								" " "
7	29.73	80	92	67				38	3	"								" " "
8	29.92	78	92	72				34	13	"								" " "
9	29.58	78.5	91	61				28	13	S								" " "
10	29.57	76	90	63				25	3	"								" " "
11	29.70	80	89	67				25	3	"								" " "
12	29.75	82	87	65				23	6	"								" " "
13	29.82	80	83	63				22	10	"								" " "
14	29.80	78	89	69				27	8	"								" " "
15	29.68	82	93	73				10	3	"								" " "
16	29.70	83	93	74				28	5	"								" " "
17	29.73	80	92	70				32	9	"								" " "
18	29.57	78	91	62				28	5	"								" " "
19	29.42	81	95	68				25	1	"								" " "
20	29.57	78	85	65	.05	.25		40	18	"								Cloudy " Rainy
21	29.75	75	85	58				31	15	"								Clear " Hot
22	29.82	80	87	62				25	5	"								" " "
23	29.73	82	90	71				32	10	"								" " "
24	29.60	83	95	65				33	7	"								" " "
25	29.50	85	104	66				32	8	E								" " "
26	29.60	85.5	95	72				33	7	"								" " "
27	29.57	85	87	70				30	5	"								" " "
28	29.54	84	88	62				27	7	"								" " "
29	29.57	83.5	89	57				23	2	"								" " "
30	29.67	84	92	67				28	2	"								" " "
31	29.68	80	92	74				35	7	"								" " "
Totals	920.07	2486	2775	2008	.25	.25												
Averages	29.68	80.2	89.55	64.77														

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

		1914	Day	1913
Barometer	Max.	29.92	8	30.07
"	Min.	29.42	19	29.75
"	Average	29.68	—	29.93
Thermometer	Max.	104	25	100
"	Min.	50	2	62
"	Average	77.16	—	80.96
Rainfall in inches		.25	-	.62
" "	(Highest daily)	.15	3	.53
No of Earthquakes Tremors etc.		—	—	—
Wind Velocity, Max.		40	20	27

Directions

N.	
N. E.	
E.	13
S. E.	
S.	16
S. W.	
W.	2
N. W.	

Prevailing Winds South & East

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchibouktjian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** August **19** 14

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 feet

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

Height of rim of Rain Gauge, above mean sea level feet, above the ground 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	29.67	84.5	90	63		.25		33	10	E								Clear and Hot
2	29.68	85	94	70				30	9	"								" " "
3	29.82	83	83	67				37	13	"								" " "
4	29.78	82	92	70				32	6	"								" " "
5	29.78	82.5	90	72				30	10	"								" " "
6	29.77	84	95	73				29	3	"								" " "
7	29.76	85	99	75				26	2	"								" " "
8	29.75	86	98	62				27	8	"								" " "
9	29.77	87	98	65				27	2	"								" " "
10	29.90	86	95	70				45	3	"								" " "
11	29.95	83.5	91	70				55	20	"								" " "
12	29.94	83	87	69				55	23	"								" " "
13	29.85	82	91	71				45	17	"								" " "
14	29.75	83	94	70				35	11	"								" " "
15	29.78	83.5	89	63				25	6	"								" " "
16	29.77	82	90	60				25	6	"								" " "
17	29.77	83	93	63				28	8	W								" " "
18	29.73	85	100	72				29	3	"								" " "
19	29.75	84	93	62				27	7	"								" " "
20	29.83	85	95	62				14	2	"								" " "
21	29.87	84	93	67				40	5	"								" " "
22	29.78	83	92	68				33	15	E								" " "
23	29.73	84	89	67				27	6	"								" " "
24	29.75	83	88	68				20	2	"								" " "
25	29.80	82	83	57	.05	.30		18	8	"								Cloudy " Rainy
26	29.81	80	82	58				27	5	"								Clear " Hot
27	29.77	82.5	89	68				38	13	"								" " "
28	29.75	80	87	58				25	8	"								" " "
29	29.78	80.5	85	60				20	2	"								" " "
30	29.92	80	92	67				30	3	"								" " "
31	29.93	82	89	70				40	10	"								" " "
Totals	923.67	2580	2826	2057	.05	.30												
Averages	29.79	83.22	91.16	66.35														

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

		1914	Day	1913
Barometer	Max.	29.95	11	30.10
"	Min.	29.67	1	29.80
"	Average	29.79	—	29.94
Thermometer	Max.	100	18	99
"	Min.	57	25	60
"	Average	78.75	—	80.27
Rainfall in inches		.05	—	4.58
" "	(Highest daily)	.05	25	1.68
No of Earthquakes Tremors etc.		—	—	1
Wind Velocity, Max		55	11	35

Directions

N.	
N. E.	
E.	26
S. E.	
S.	
S. W.	
W.	5
N. W.	

Prevailing Winds East

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER H. Tchilouhdjian

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** September **1914**

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 240 **feet**

Height of Thermometers above the ground:-Max. 4 **feet, Min.** 3½ **feet**

Height of rim of Rain Gauge, above mean sea level 300 **feet, above the ground** 2/2 **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	29.87	79	87	58		.30		32	4	E								Clear and Hot
2	29.85	78	82	62				25	8	"								" " "
3	29.87	77	90	68				40	6	"								" " "
4	29.90	78	87	67				36	12	"								" " "
5	29.87	78.5	84	62				28	13	"								" " "
6	29.88	77	82	50				20	6	"								" " "
7	29.96	78	91	51				38	7	"								" " "
8	29.97	78	84	63				36	17	"								" " "
9	29.92	75	84	64				32	14	"								" " "
10	29.90	76.5	82	61				25	7	"								" " "
11	29.95	77	85	62				30	5	"								" " "
12	29.90	77	82	63				36	13	"								" " "
13	29.76	76	82	52				29	9	SE								" " "
14	29.62	76.5	76	60	.05	.35		23	9	"								Cloudy " Rainy
15	29.80	75	85	62				27	12	"								Clear " Hot
16	29.85	74	82	61				27	11	"								" " "
17	29.85	75	83	62				38	10	"								" " "
18	29.70	75	85	60				29	11	"								" " "
19	29.73	75.5	78	50				25	4	"								" " "
20	29.75	74	84	52				20	2	"								" " "
21	29.80	76	83	60				20	9	"								" " "
22	29.87	76.5	84	64				23	12	"								" " "
23	29.90	77	88	65				26	11	"								" " "
24	29.88	65	88	52				27	10	"								" " "
25	29.92	76	87	53				17	3	"								" " "
26	29.97	77	82	62	.05	.40		20	4	"								Cloudy " Rainy
27	29.90	75	78	56	.12	.52		10	3	"								" " "
28	29.83	73	80	50				23	2	"								Clear " Hot
29	29.60	70	78	52				20	3	"								" " "
30	29.67	70.5	72	60	.05	.57		20	9	"								Cloudy " Rainy
31																		
Totals	~~895.23~~	2196	2501	1764	0.27	0.57												
Averages	~~30.14~~ 29.84	73.20	83.36	58.80														

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

		1914	Day	1913
Barometer	Max.	29.97	8/26	-
"	Min.	29.60	14	-
"	Average	29.785	-	-
Thermometer	Max.	91	7	-
"	Min.	50	6/19	-
"	Average	70.5	-	
Rainfall in inches		0.24		1.20
" "	(Highest daily)	0.12		0.60
No of Earthquakes Tremors etc.		-		-
Wind Velocity, Max.		40	3	-

Directions

N.	
N. E.	
E.	12
S. E.	
S.	18
S. W.	
W.	
N. W.	

Prevailing Winds South.

SPECIAL REMARKS

George T. Michaelides

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER [illegible]

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** October **1914**

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 240 **feet**

Height of Thermometers above the ground:-Max. 4 **feet, Min.** 3½ **feet**

Height of rim of Rain Gauge, above mean sea level 300 **feet, above the ground** 212 **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		65	44		.57		30	10	O		12.40	11.40 P.M. Slight Shock	10 Sec.	N.S.			Very severe shock followed by many tremors. Center near Smyrna.
2	30.05		70	48				28	13	"								
3	29.85	73	72	40				22	7	"								Clear and Hot
4	29.93	70.5	70	45				35	6	"		11.58 P.M.	long duration undulating	20 seconds or more				See Special Remarks
5	29.90	67	78	42				33	13	"								
6	29.80	65	72	43				15	3	"								
7	29.77	67	75	67				20	5	"								
8	29.53	69	78	55	2.25	2.25		35	10	"								Cloudy and Rainy
9	29.85	67	62	42	.53	3.35		30	10	W								" " "
10	29.92	63	60	38				17	–	"								Clear " Cool
11	30.00	65	65	40				10	7	"								" " "
12	30.03	63	70	43				9	3	"								" " "
13	29.76	65	74	49				15	3	"								" " "
14	29.77	65.5	70	57				30	9	"								" " "
15	29.90	60	75	50				15	6	NO								" " "
16	30.00	66	73	54				35	9	"								" " "
17	29.95	66.5	72	53				35	16	"								" " "
18	29.87	65	73	52				32	9	"								" " "
19	29.95	65	70	47				27	12	"								" " "
20	30.00	65.5	73	43				18	8	"								" " "
21	29.94	55	74	43				11	3	"								" " "
22	29.83	64	76	45				8	–	"								" " "
23	29.78	64.5	70	53	0.08	3.43		22	3	"								Cloudy " Rainy
24	29.80	64	72	47				7	3	"								Clear " Cool
25	29.83	65	70	47				16	2	"								" " "
26	29.92	65	70	50				23	7	"								" " "
27	29.85	63.5	72	45				17	6	O								" " "
28	29.75	64	73	47				18	5	"								" " "
29	29.80	65	74	51				22	9	"								" " "
30	29.75	67	77	52				17	5	"								" " "
31	29.85	68	80	55				32	12	"								" " "
Totals	925.98		2327	1470	2.86	3.43												
Averages	29.86		75.06	47.41														

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

		1914	Day	1913
Barometer	Max.	30.05	1	30.10
"	Min.	29.53	8	29.83
"	Average	29.79		
Thermometer	Max.	80	31	94
"	Min.	60	10	
"	Average	70		
Rainfall in inches		2.86		0.87
" "	(Highest daily)	2.25	8	.50
No of Earthquakes Tremors etc.		35		
Wind Velocity, Max.				

Directions

N.	12
N. E.	
E.	8
S. E.	
S.	5
S. W.	
W.	6
N. W.	

Prevailing Winds North

SPECIAL REMARKS The earthquake reported at midnight between the 3rd & 4th was the most severe in these parts for many years. The center was in the district of Bourdour & Sparta, some 150 to 180 miles E-SE. of Smyrna where it did great damage completely destroying the cities mentioned and all the towns villages in that district & causing a loss in life of some 4000 persons. Great fissures were left in the ground at many places and by the lake at Bourdour the ground has been depressed as much as 15 to 30 meters in some places. Old water sources have been stopped and new ones opened. These shocks continued for some weeks.

Only some very strongly built structures were left standing.

Michaelides

SECRETARY