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METEOROLOGICAL OBSERVATIONS

AT

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SMYRNA. TURKEY

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September 14, 1999

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during January **1909**

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 95½ **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	29.96	55	57	45	.38	9.36	10.57	8	0	E	80%							Cloudy and rainy
2	30.00	52	54	41	.10	9.46		21	2	NE	85%							Cloudy (Tendency to clear)
3	30.15	46½	54	34			10.69	25	8	N	75%							Cloudy and cold
4	30.20	44	45	35.5				25	10	NE	70%							Clear " "
5	30.22	45	43	34			10.75	25	10	"	75%							" " "
6	30.17	45	49	35				20	7	"	65%							" " "
7	30.25	46	51	35½				26	12	"	60%							" " "
8	30.22	44	52	32				15	5	"	65%							" " "
9	30.18	49	62	35	.02	9.48		10	1	S	70%							Cloudy " rain
10	30.03	51	61	47	.15	9.63	10.92	15	0	"	85%							" " "
11	29.93	52.5	62	48	.16	10.30		17	0	"	80%							" " "
12	29.85	51.5	59	43	.57	10.87	10.95	22	3	E	85%							" " "
13	29.93	49.5	55	39				8	0	N	75%							Clear and cold
14	29.92	47	53	37				3	0	" S	80%							" " warm
15	29.90	49.5	59	37½	.02	10.89		22	0	S	85%							Cloudy " mild
16	30.12	51.5	60	40½				17	2	"	70%							Clear " "
17	30.10	53	69	47½				8	1	"	75%	5.7 AM	Tremor					Cloudy " "
18	29.90	53.5	56.5	47	.03	10.92		13	4	"	85%							" " "
19	29.94	53½	57	51½	.3	11.05		9	3	"	90%	5.59 AM 6.45-50 AM 7.1-8 AM	Tremor Shock Shock	12" 4"	N & S N & S	6 m.m 2 m.m		" " rain
20	29.94	54	58	50	.30	11.35		7	0	"	85%	1.45 AM 1.06 PM 1.40 PM 2.10 PM	Tremor " " Shock					" " "
21	30.00	52	52	43	.12	11.47		4	0	E	90%							Clear " cold
22	29.97	51½	53	41	.18	11.65		18	5	"	88%	2.57 AM	Slight Shock					Cloudy " "
23	30.08	52	51	40	.07	11.72		15	3	"	75%							Clear " cool
24	30.08	47½	48	41	.03	11.75	10.98	16	5	"	70%	2.47 AM 5.59 " 9.20 "	Shock " Tremor					" " "
25	30.17	48	49	41				16	6	"	70%	frequent Tremors throughout the day						Cloudy " cold
26	29.97	50½	51	44				20	7	NE	85%	1.36 PM 3.07 PM	Tremor Tremor					" " "
27	30.07	49	50	38				24	7	"	70%							Clear " "
28	30.32	46½	50	32				30	10	"	60%							" " "
29	30.22	44½	48	33½				28	10	"	65%	8.28-35 pm	tremor					" " "
30	30.02	45	46	33			10.99	23	9	E	70%	5.5 AM	"					" " "
31	30.03	44½	41	32			11.06	6	0	"	70%	5.58 PM 4.00 PM	" "					" " "
Totals	931.86	1526	1653.5	1233½	2.77	11.75	11.06				2350	18 plus						
Averages	30.06	49.22	53.40	39.79							75.80%							

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

		1909	Day	1908
Barometer	Max.	30.32	28	30.29
"	Min.	29.85	12	29.35
"	Average $\frac{Max+Min}{2}$	30.08	–	29.92
Thermometer	Max.	69	17	67
"	Min.	32	28	25
"	Average $\frac{Max+Min}{2}$	50.5	–	46
Rainfall in inches		2.77	00	.49
" "	(Highest daily)	.67	11	.17
No of Earthquakes Tremors etc.		18 plus	–	6
Wind Velocity. Max.		30	28	41

Directions

N.	3
N. E.	10
E.	9
S. E.	
S.	9
S. W.	
W.	
N. W.	

Prevailing Winds NE & E & S

SPECIAL REMARKS The Earthquake on the morning of the 19th as per inclosed Seismogram was the most severe in Smyrna for many years and did considerable damage in some of the surrounding villages - causing some loss of life.

S. L. Caldwell B.S. E.E.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Feb-09

OBSERVER [illegible]

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during February **1909**

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	29.73	49.5	52	32	.03	11.78	11.06	15	3	S	85%	6.32 PM	Shock				r. c	Cloudy and rain
2	29.75	52	59	43	.09	11.87		43	8	N	80%						r. o	" " "
3	29.70	50	48	34	.27	12.14	11.33	17	2	NE	86%	9.50 PM	Shock				r. o	" " cold
4	29.70	44	41	35.5			11.46	30	12	"	79%	4. AM 7.6 AM	Tremor "				b	Tendency to clear and cold
5	29.80	45	47.5	31.5			12.17	15	4	"	78%	6.57 "	"				b	Clear and cold
6	29.93	47	57	35.5			12.20	15	0	SE	93%	2.58 AM 3.4 " 5.57 "	Shock " "				b	" " "
7	30.00	54.5	59	41	.31	12.45		27	12	S	95%						r. o	Cloudy " rain
8	29.90	54	57	50	.33	12.78		10	0	"	100%						r. o	" " "
9	29.74	55	58	50	.18	12.96		19	5	"	95%	11.02 AM	Slight Shock				r. o	" " " tendency to clear
10	29.90	52	54	36	.33	13.29		12	0	NE	80%						r. bc	" " "
11	30.23	47	46	28.5			12.27	19	6	"	79%	10.55 PM	Slight Shock				bc	Clear " cold
12	29.96	49.5	49	39				12	1	SE	82%	11.30 AM	Tremor				o	Cloudy Tendency to rain
13	29.50	52	50	41	.63	13.92		14	2	"	100%						r. o	" and rain
14	29.67	52	59	44.5	.75	14.67		13	4	S	93%						r. c	" " "
15	29.80	47	52	36	.24	14.91		19	6	NE	87%	7.22 AM 11.26 "	Tremor "				r. bc	" " " very cold
16	29.84	46	49	36				19	7	S	87%						c	" " cool
17	29.77	48	53	37.5	.05	14.96		15	5	"	100%	5.10 AM	Severe Shock	7"	Local	1. m. m.	r. o	Cloudy " rainy
18	29.60	52.5	60	43	.55	15.51	12.31	13	0	"	98%	2.06 AM from 2 A.M.	Tremor	frequent tremors and after.		beginning	r. o	at 4. PM Barometer 29.36 at 7.05 PM " 29.32 which is the lowest record to-date (wind N.E.)
19	29.73	47	52	35.5	.36	15.87		24	0	NW	80%	6.42 PM 3.10 AM	Tremor Shock				r. o	Cloudy and rain
20	30.12	43	43	28.5			12.35	17	5	NE	80%	5.7 AM 9.7 " 12.14 " 1.34 PM 2.13 PM	Tremor " " " "				b	Clear " cold
21	30.08	45	48	34	.23	16.10	12.46	0	0	S	85%						s* +	Cloudy and Snow-Storm
22	29.97	43	42	32	.27	16.37		0	0	"	97%						⊠	" " cold
23	29.77	45.5	43	35.5				5	0	NE	95%						o	" " "
24	29.98	44	44	34			12.46	23	5	"	87%						bc	Clear " "
25	30.08	44	50	35			12.63	17	6	"	93%						b	" " "
26	30.17	46	55	35			12.67	15	5	"	95%						b	" " "
27	30.28	46	55	37.5			12.71	25	5	"	93%						b	" " "
28	30.03	47.5	54	37.5			12.84	22	7	"	98%						b	" " "
29						(29)	13.19											
30																		
31																		
Totals	836.83	1346	1436.1/2	1038.1/2	4.62	16.37	13.19				2490	22 plus						
Averages	29.88	48.07	51.31	37.08							88.92%							

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

		19 04	Day	19 08
Barometer	Max.	30.28	27	30.52
"	Min.	24.32	18	29.54
"	Average	29.80	–	30.00
Thermometer	Max.	60	18	72
"	Min.	28 1/2	20	25
"	Average	44 1/2	—	48.55
Rainfall in inches		4.62	—	2.13
" " (Highest daily)		.75	14	.71
No of Earthquakes Tremors etc.		22 plus	–	—
Wind Velocity. Max.		43	2	50

Directions

N.	1
N. E.	13
E.	
S. E.	3
S.	10
S. W.	
W.	
N. W.	1

Prevailing Winds NE & S.

SPECIAL REMARKS Note continuous Earthquakes up to the 21st. On certain days they were too numerous to record. Our Lowest Barometer on record the 13th at 7 PM. 29.32. Three fourths of the entire month there was dead calm, and when wind blew it was in gusts.

S. L. Caldwell Pres. E.C.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Mar 09

OBSERVER

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during March **1909**

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 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	47	53	34		16.37	13.27	15	5	N	94%	12.05 pm	Shock				b	Clear and cold
2	30.00	47	54	37½				9	2	S	92%						b	" " "
3	29.80	57	64	38				35	5	"	84%						b	" " mild
4	29.90	57	69	50	.12	16.49		25	8	"	95%						o ro	Cloudy " rain
5	29.99	55	64	45½				11	0	"	97%						o	" " cool
6	29.93	56	67	48				10	1	E	94%						b	Clear " "
7	29.88	58½	65	46	.15	16.64		3	0	S	92%	3.51 PM	Tremor				b ro	" " warm (rain night
8	29.93	53	59	41				7	0	"	85%						o ro	Cloudy and cold ("
9	29.75	54.5	55	40	.41	17.05		15	4	"	100%	5.10 AM 10.15 "	" "				c ro	" " mild ("
10	29.83	53	63	48	.81	17.86		42	10	NE	92%	4.10 PM	"				b	Clear " cool
11	30.06	57	57	39				10	4	SE	85%						b	" " "
12	29.98	51	55	39				11	0	SW	92%	6.48 pm	"				b	" " "
13	29.83	55	67	43			13.29	13	2	S	100%						c	Cloudy " warm
14	29.82	58	64	53	.02	17.88	14.18	18	7	"	94%	1.18 PM	"				c ro	" " " (rain)
15	29.50	60½	64	53½	.05	17.93	14.91	34	9	E	77%	6.53 AM	"				c ro	" " rain
16	29.82	60½	75	55½	.02	17.95	14.99	32	12	SE	100%						bc ro	" " " (Tendency to clear)
17	29.95	58½	68	50				13	2	S	52%						c	Cloudy and warm
18	29.75	63	71	55			15.08	20	6	"	65%	9.8 AM	"				o	" Tendency to rain
19	29.92	59	73	48			15.67	20	5	NW	45%	10.5 " 11.3 " 7.13 " 8.16 "	" " " "				b	Clear and cool
20	30.12	51	62	41			16.44	20	3	SE	50%	3.45 PM	"				b	" " "
21	30.13	51	61½	41				17	1	NE	53%						b	" " "
22	30.02	55½	65	46				10	0	SW	60%						o	Cloudy " "
23	29.78	57½	70	47				5	0	NW	80%						b	Clear " mild
24	29.70	60	74	48	.55	18.50	16.79	15	3	S	75%						bc ro	Cloudy " " rain
25	29.69	59½	65	52	.28	18.78		17	2	"	70%	6.30 AM	"				bc ro	" " " ("
26	29.63	56	65	48	.45	19.23		20	7	"	75%						o ro	" " rain
27	29.64	57	60	48	.21	19.44		17	0	"	77%						o ro	" " "
28	29.62	56	58	39	1.14	20.58		22	3	"	85%						o ro	" " "
29	29.87	53½	62	43	.04	20.62		13	0	"	65%						b ro	Clear " cool (rain
30	30.05	54½	62	44	.03	20.65		18	3	NE	85%	2.27 AM	Shock				b ro	" " " (
31	30.02	54	61	43				22	0	"	65%						b	" " "
Totals	926,01	1720	1972,5	1404	4,28	20,65	16,79				2480	16						
Averages	29.87	55,48	63,63	45,29							80%							

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

		1909	Day	1908
Barometer	Max.	30,13	21	30.35
"	Min.	29.50	15	29.53
"	Average	29,81	-	29.94
Thermometer	Max.	75	16	74
"	Min.	34	1	34
"	Average	54,5	-	54
Rainfall in inches		4,28	-	3,60
" "	(Highest daily)	1.14	28	,89
No of Earthquakes		16	-	1
Tremors etc.		42	10	33
Wind Velocity. Max.				

Directions

N.	1
N. E.	4
E.	2
S. E.	3
S.	17
S. W.	2
W.	-
N. W.	2

Prevailing Winds South

S. L. Caldwell B.S.D. C.E.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

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OBSERVER

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during April **1909**

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	29.95	55.5	61	45		20.65	16.79	8	0	SW	60%						b	Clear and cool
2	29.87	57	66	46				10	0	S	57%						b	" " "
3	29.93	61	69	50			16.99	14	5	"	50%	5.3 PM	Shock				b	" " warm
4	30.02	59	67	50			17.27	23	5	SE	70%						b	" " "
5	29.84	59.5	60	53½				35	5	NE	85%						bc	Cloudy and cool
6	29.75	57	65	48	.73	21.38		37	14	"	75%						0 2 •	" " Rain
7	30.01	51	52	41				35	13	"	70%						b	Clear and cold
8	29.97	49.5	55	39				28	10	W	50%						b	" " "
9	30.02	51	62	41				20	7	N	35%						b	" " "
10	29.93	53.5	61	43				17	3	NE	45%						b	" " "
11	29.78	55	63	50			17.30	20	0	S	70%						b	" " Mild
12	29.80	58	67	51			17.39	15	2	W	65%						b	" " "
13	29.80	58	66	47				17	0	S	70%						b	" " "
14	29.62	59.5	73	46.5				21	5	"	45%						0	Cloudy and warm
15	29.78	60	67	52				23	8	W	70%						b	Clear and cool
16	30.05	58.5	70	57				17	3	"	75%						b	" "
17	30.06	60.5	68	58				14	2	"	65%						b	" "
18	30.00	63	70	61				13	2	NW	60%						b	" "
19	29.98	62	71.5	50				17	3	SW	50%						b	" " "
20	29.88	63	73	55.5				19	1	N	50%						b	" " Mild
21	29.80	63.5	72	52				20	7	W	54%						b	" " "
22	29.85	65.5	76	53.5				18	2	NW	53%						b	" " warm
23	29.97	65	77	55.5				25	3	NE	60%						b	" " cool
24	30.17	61	75	50				17	2	N	50%						b	" " warm
25	30.15	62	71	50				20	3	W	57%						b	" " cool
26	30.18	64	73	53				20	4	SW	65%						b	" " mild
27	30.22	65.5	79	53.5				13	0	S	50%						b	" " "
28	30.27	67.5	82	55 40				8	0	"	47%						b	" " warm
29	30.20	69	83	59				10	5	"	53%						b	" " "
30	30.12	65.5	83	55.5				15	1	S	35%						b	" " "
31																		
Totals	898.98	1800	2086.5	1521.90	.73	21.38	17.39				1791							
Averages	29.96	60.00	69.55	50.73							58.03							

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

		1909	Day	1908
Barometer	Max.	30.27	28	30.17
"	Min.	29.63	14	29.60
"	Average	29.95	-	29.88
Thermometer	Max.	83	29	82
"	Min.	39	5	30
"	Average	61	-	58
Rainfall in inches		73	6	.60
" "	(Highest daily)	73	6	.28
No of Earthquakes		1	3	13
Tremors etc.		37	6	42
Wind Velocity. Max.				

Directions

N.	3
N. E.	5
E.	
S. E.	1
S.	9
S. W.	3
W.	7
N. W.	2

Prevailing Winds S & W

SPECIAL REMARKS

L. C. Caldwell Bros. C. E.

SECRETARY

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during May **1909**

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	30.05	67.5	81	61		21.38	17.39	10	1	S	30%						c	Cloudy and Mild
2	30.03	69.5	83	62.5			18.07	13	3	"	35%						o	" " "
3	29.95	71	85	59			18.45	7	1	"	50%						b	Clear and warm
4	29.90	71	81	62½				20	4	"	57%						b	" " "
5	30.12	61.5	78	54				21	5	"	45%						b	" " "
6	30.03	66	75	53				17	3	"	50%	6.30 pm	Tremor				b	" " cool
7	29.78	68	77	61	.19	21.57		10	0	SW	70%						c ro	Cloudy and cool (rainy during the night)
8	29.83	64.5	73	52				13	2	NE	75%						b	Clear and cool
9	30.05	60.5	69	48			18.65	17	7	"	73%						b	" " "
10	30.07	59.5	72	50				23	2	"	50%						b	" " "
11	30.15	63.5	69	53½				20	5	W	57%						b	" " "
12	30.15	65.5	75	55				15	4	SW	70%						b	" " "
13	30.08	70.5	80	62½				17	1	"	70%						b	" " warm
14	29.97	71.5	85	64				15	3	W	70%						b	" " "
15	29.99	73.5	85.5	62½				14	2	"	63%						b	" " "
16	29.97	75	85	64½				18	4	SW	75%						b	" " "
17	29.97	73	85	68				16	3	"	75%						b	" " "
18	29.95	71	83	64				15	5	S	85%						b	" " "
19	29.92	71.5	82	66				23	5	"	57%						b	" " "
20	29.87	67	81	65				20	7	SW	63%	5.22 pm	Shock				b	" " "
21	29.97	70.5	81	65				27	5	N	75%						b	" " "
22	30.10	67.5	84	61				35	10	NE	65%						b	" " cool
23	30.15	66.5	78	54				32	10	"	45%						b	" " "
24	30.14	65	80	56				23	5	"	70%	2.45 pm	Tremor				b	" " "
25	30.07	68.5	83	59				20	3	N	70%						b	" " "
26	30.00	69	79	55½				17	5	W	47%	2.46 pm	Tremor				b	" " "
27	29.93	70.5	83	59				12	2	"	50%	10.20 pm	"				b	" " warm
28	29.83	70.5	86	64½				14	0	S	47%						b	" " "
29	29.75	73	88	62½				20	7	"	50%	6.30 pm	"				b	" " "
30	29.75	77	88	70	.01	21.58		10	3	"	45%						c	Cloudy " warm (showers)
31	29.97	76	96.5	68				37	10	"	40%						b	Clear and very hot
Totals	929.49	2135	2510	1862½							1824							
Averages	29.98	68.87	80.97	60.08							58.84							

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

		1909	Day	1908
Barometer	Max.	30.15	11	30.2
"	Min.	29.75	29	29.8
"	Average	29.95	—	30.0
Thermometer	Max.	96½	31	93
"	Min.	48	9	50
"	Average	72	—	71.
Rainfall in inches		.20	—	1.2
" "	(Highest daily)	.19	7	.2
No of Earthquakes Tremors etc.		6	—	17
Wind Velocity, Max.		37	31	34

Directions

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

Prevailing Winds S

L. P. Caldwell Bro. C.E.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

June 09

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during June 1909

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. 3¼ 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	29.97	72	79	64.5		21.58	18.65	17	3	S	70%	12.1 AM	Tremor				6	Clear and Cool
2	29.95	68.5	78.5	59	.70	22.28		13	2	E	90%	6.45 PM	"				0	Cloudy and Rainy
3	29.97	70.5	80.5	64.5				32	7	SE	65%	12.7 PM	"				6	Clear and Cool
4	29.97	71	89	61				17	7	N	53%	11.14 AM 2.13 PM	" "				6	" " warm
5	29.95	75	86	68				15	5	W	50%						6	" " "
6	29.87	74	89	64.5				15	5	"	52%	7.37 AM	"				6	" " "
7	29.87	75.5	86	66				12	2	E	47%						6	" " "
8	29.95	75	87.5	68				15	2	S	65%	7.45 PM	"				6	" " "
9	29.97	75	87.5	70				27	3	"	63%						6	" " "
10	30.03	74.5	86	66				17	5	W	60%	7.23 PM 3. PM	" "				6	" " "
11	30.05	73.5	87.5	68				18	4	N	57%	0.2 PM	"				6	" " "
12	30.00	75.5	89.5	66				16	3	S	58%	10.48 AM 12.20 PM	" "				6	" " "
13	30.00	80	95	79				20	0	"	50%	3.15 PM 5.10 PM	" "				6	" " hot
14	29.98	79.5	92	74				15	0	"	57%						6	" " "
15	30.07	75	85.5	64.5				20	4	W	60%						6	" " warm
16	30.07	72	79	61				24	7	"	50%						6	" " "
17	29.98	70	81	66				17	5	S	73%	1.35 PM	"				6	" " "
18	29.95	75	88	69.5				24	7	"	40%						6	" " "
19	30.15	75	86	64.5				20	7	W	67%	7.23 AM	"				6	" " "
20	30.22	74	82	64				17	5	"	70%						6	" " "
21	30.12	73	89	68				18	5	"	73%						6	" " "
22	29.95	75.5	86	68				20	5	"	60%						6	" " "
23	30.03	72.5	88	62.5				19	5	"	65%	8.48 AM	"				6	" " "
24	30.04	76.5	87	66				18	3	"	57%						6	" " "
25	30.00	76	89	68				20	3	"	53%	11.47 AM	"				6	" " "
26	30.00	78	92	65			19.30	17	2	"	50%						6	" " hot
27	30.00	76	91	67				14	2	"	57%						6	" " "
28	29.90	76	89	65				19	5	N	65%						6	" " warm
29	29.87	80	87	74.5				17	5	"	58%						6	" " "
30	29.83	80	92	70				20	5	"	52%						6	" " hot
31																		
Totals	899.71	2244	2604.5	1999	.70	22.28	18.65				1787							
Averages	29.99	74.8	86.8	66.63							59.5							

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

		1909	Day	1908
Barometer	Max.	30.22	20	30.1
"	Min.	29.83	30	29.7
"	Average	30.02	—	29.9
Thermometer	Max.	95	13	95
"	Min.	59	2	54
"	Average	77	—	74.5
Rainfall in inches		.70	—	.65
" "	(Highest daily)	.70	2	.65
No of Earthquakes Tremors etc.		18	—	16
Wind Velocity. Max.		32	3	30

Directions	
N.	5
N. E.	
E.	2
S. E.	1
S.	8
S. W.	
W.	14
N. W.	

Prevailing Winds W & S.

S. L. Caldwell B.S. E.E.

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METEOROLOGICAL OBSERVATIONS

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLÈGE SMYRNA, TURKEY during July **1909**

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 3¾ feet

Height of rim of Rain Gauge; above mean sea level 95 feet, above the ground 4½ 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	76.5	88	67				17	2	S	57%						6	Clear and Hot
2	29.82	76	93	70				20	3	"	73%						6	do
3	29.88	79	89	70				13	2	"	65%						6	"
4	29.97	76	87	68				10	1	N	45%						6	"
5	29.95	78	89	70				7	2	W	53%						6	"
6	30.04	79	97	68				15	3	"	45%						6	"
7	29.95	77	87	70				25	7	"	62%						6	"
8	29.90	77	88	67				18	5	"	50%						6	"
9	29.70	79.5	89	70				13	4	"	43%						6	"
10	29.78	81.5	96	71				10	0	S	57%						6	"
11	29.87	77.5	91	67				20	5	W	35%						6	"
12	29.88	79	89	68				25	3	S	37%						6	"
13	29.95	76	90.5	70				18	6	W	30%						6	"
14	29.95	77	90	67				18	4	S	25%						6	"
15	30.03	77.5	89	70				30	7	NE	23%						6	"
16	29.92	81	95	72				22	8	"	38%						6	"
17	29.92	81	95	71				23	2	"	45%						6	"
18	29.90	83.5	92	73				20	3	N	35%						6	"
19	29.85	84	88	71				15	3	W	43%						6	"
20	29.85	80	97	75				18	3	"	25%						6	"
21	29.90	81	97	75				20	5	"	37%						6	"
22	29.85	82.5	100	77				18	5	N	30%						6	"
23	29.90	85	92	75				18	2	W	25%						6	"
24	29.85	84.5	93	73				19	5	N	27%						6	"
25	29.87	83.5	95	75				13	3	"	35%						6	"
26	29.9[illegible]	84.5	97	74				23	5	"	32%						6	"
27	29.90	86	100	77				17	3	NE	37%						6	"
28	29.85	85.5	98	79				28	5	N	30%						6	"
29	29.75	82.5	98	77				15	3	"	35%						6	"
30	29.85	85	91	72				15	3	"	28%						6	"
31	29.87	84	102	79				25	2	"	27%						6	Clear and very hot
Totals	925.66	2500	2882.5	2228							1239							
Averages	29.86	80.6	92.9	71.8							39%							

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

		1909	Day	1908
Barometer	Max.	30.04	6	30.0
"	Min.	29.75	29	29.7
"	Average	29.89	—	29.9
Thermometer	Max.	102	31	100
"	Min.	67	8	62
"	Average	84.5	—	81
Rainfall in inches		—	—	—
" "	(Highest daily)	—	—	—
No of Earthquakes Tremors etc.		—	—	22
Wind Velocity. Max		30	15	28

Directions	
N.	10
N. E.	4
E.	
S. E.	
S.	6
S. W.	
W.	11
N. W.	

Prevailing Winds W & N

SPECIAL REMARKS

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during August **1909**

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	30.03	85.5	100	80				20	5	N	30%						b	Clear and hot
2	30.02	83	98	77				18	5	E	37 %						b	" " "
3	29.85	84	95	75	.15	.15		20	5	N	53 %	6.35 AM	Tremor				c ro	Cloudy and rainy
4	29.82	84	90	75				15	5	S	57%						b	Clear and hot
5	29.85	84	87	73				15	5	"	50%						b	do
6	29.94	83	90	73				13	3	"	47%						b	"
7	29.87	82.5	95	70				10	0	"	53%						b	"
8	29.82	80.5	90	72				15	2	"	57%						b	"
9	29.88	82	87	73				20	5	E	45%						b	"
10	30.00	83	98	75				33	13	N	35%						b	"
11	30.00	80	97	73				25	7	NE	45%						b	"
12	29.95	81	97	70				15	3	W	47%						b	"
13	29.87	85.5	95	73				10	0	S	53%						b	"
14	29.87	86	97	72				17	3	"	57%	4.7 AM	Tremor				b	"
15	29.98	78.5	90	70				10	2	W	47%	7.50 PM	"				b	"
16	30.10	83	93	73				18	3	N	45%						b	"
17	30.05	81	95	72				17	4	NE	35%						b	"
18	29.94	79.5	97	70				12	3	N	37%						b	"
19	29.95	83	90	72				15	3	W	30%						b	"
20	30.04	82.5	95	72				25	4	N	27%						b	"
21	29.97	80.5	94	70				23	7	"	25%	5.50 AM	Tremor				b	"
22	29.93	81.5	95	72				17	3	"	35%	7.23 AM	"				b	"
23	30.02	80	90	68				15	2	"	43%	7.20 PM	"				b	"
24	30.05	80.5	87	68				13	2	W	53%	12.6 PM	"				b	"
25	29.93	81.5	90	68				18	3	"	37%						b	"
26	29.87	82.5	90	70				13	2	"	53%						b	"
27	29.92	78	87	68				13	3	"	47%						b	"
28	29.90	79	87	70				13	5	"	52%						b	"
29	29.95	78	92	70				15	2	"	45%						b	"
30	29.96	78.5	87	68				14	3	"	52%						b	"
31	29.95	78	92	72				17	2	S	57%						b	"
Totals	928.25	2529.5	2868	2224	.15	.15					1386							
Averages	29.94	81.43	91	71.74							44.75							

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

		1909	Day	1908
Barometer	Max.	30.10	16	30.12
"	Min.	29.82	8	29.70
"	Average	29.96	—	29.91
Thermometer	Max.	100	4	103
"	Min.	68	27	62
"	Average	84	—	82.5
Rainfall in inches		.15	—	—
" "	(Highest daily)	.15	3	—
No of Earthquakes		7	—	21
Tremors etc.				
Wind Velocity, Max.		33	10	30

Directions		
	N.	9
	N. E.	2
	E.	2
	S. E.	
	S.	8
	S. W.	
	W.	10
	N. W.	

Prevailing Winds W. S. N.

S. L. Caldwell B. Sc. E. E.

SECRETARY

per H. J.

President's Office

International College

Smyrna, Turkey, November 3rd. 1909

W.L.Moore Esq.
Chief U.S.Weather Bureau
Washington D.C.

Dear Sir;-

I have just discovered that in our last monthly summary* at the right hand side of the Report, my secretary has been making the mistake of putting as average of Barometer and Thermometer the mean of the highest Maximum and the lowest Minimum instead of the real average of the totals at the bottom of the Report. Hereafter the proper average will be reported.

We are sorry the September Report has been delayed, but our extra burdens of work during the first month of Term has made it impossible for us to forward them at the usual time, and we therefore include it now with the October Report.

Your's Truly

Alexander MacLachlan

President.

* August 1909 probably
cap

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during September **1909**

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	30.00	80.5	92	70		.15		15	3	N	53 %						b	Clear and hot
2	29.95	80	90	68				12	2	W	45 %						b	do
3	30.03	81	88	67				15	3	"	47 %	2:15 PM	Tremor				b	"
4	30.05	81	87	70				15	3	"	45 %	8.53 PM	"				b	"
5	30.00	82	95	72				15	2	E	57 %	8.57 "	"				b	"
6	29.83	80.5	88	70				15	3	S	65 %	6.20 "	"				b	"
7	29.85	81	94	72	.15	.30		17	4	"	73 %	7.53 PM 7.50 AM	"				10 c	Cloudy and Rain
8	30.05	78.50	87	67				15	5	W	65 %						b	Clear and warm
9	30.05	76	85	68				14	3	"	43 %						b	do
10	30.02	74	88	67				15	2	N	45 %						b	"
11	29.92	79	90	68				17	4	"	53 %						b	"
12	29.97	78	89	67				17	2	"	42 %						b	"
13	30.07	76.5	90	67				15	3	"	37 %						b	"
14	30.13	78	89	68				13	1	W	30 %	9.45 PM	"				b	"
15	30.08	78.5	93	70				5	0	"	35 %						b	"
16	30.05	77.5	90	68				7	1	"	52 %						b	"
17	30.15	79.5	89	67				10	1	"	57 %						b	"
18	30.20	81	95	68				15	3	N	45 %						b	"
19	29.97	82	93	68			.60	18	5	"	53 %						b	"
20	29.83	79	90	67			.85	8	0	"	62 %						b	"
21	29.92	78.5	85	67				13	1	W	52 %						b	"
22	30.07	77	87	65				17	3	"	45 %	6.37 AM	"				b	"
23	30.13	77.5	88	65				12	3	"	37 %	4.25 "	"				b	"
24	30.10	75	85	65			.86	15	2	"	43 %	7.25 "	"				b	"
25	30.00	73	83	62			.93	10	2	"	57 %						b	"
26	29.95	73.5	82	62				10	2	"	62 %						b	"
27	30.02	73	83	61				7	1	"	65 %						b	"
28	30.05	72.5	82	60				10	1	"	67 %						b	"
29	30.00	73.5	87	62	.57	.87		30	2	S	85 %						2 b o	Cloudy and Rain
30	29.92	67.5	82	62			1.14	10	3	"	87 %	7.10 AM	"				b	Clear and Cool.
31																		
Totals	900.37	2324½	2646	2000	.72	.87	1.14				1604	11						
Averages	30.01	77.48	88.20	66.67							53.46 %							

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

		1909	Day	19 0
Barometer	Max.	30.20	18	30.1
"	Min.	29.83	6	29.8
"	Average	30.01	–	30.0
Thermometer	Max.	95	18	97
"	Min.	60	28	49
"	Average	77.43	–	71.4
Rainfall in inches		.72	–	1.1
" "	(Highest daily)	.57	29	.60
No of Earthquakes Tremors etc.		11	–	5
Wind Velocity. Max.		30	29	31

Directions

N.	8
N. E.	
E.	1
S. E.	
S.	4
S. W.	
W.	17
N. W.	

Prevailing Winds W & N.

A. L. Caldwell B.S.A. E.E.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER

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Weather Bureau

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during October **19.09**

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	30.03	71.5	81	62		.87	1.59	17	1	W	75 %						b	Clear and Cool
2	30.07	66	80	63			1.64	15	1	S	82 %						c	Cloudy " "
3	30.08	69.5	75	62	.42	1.29		10	1	"	85 %						r● 0	" " Rain
4	29.90	70.5	82	63	.01	1.30		10	2	"	92 %	12.35 AM	Tremor				r● c	" " "
5	29.87	70.5	80	60	.70	2.00	1.67	7	4	W	84 %						r● 0	" " "
6	29.97	69	78	59				10	2	E	75 %						b	Clear and Cool
7	30.14	68	80	59			1.82	10	1	N	72 %						b	do
8	30.15	70	79	61				10	1	N	75 %						b	"
9	30.05	71	80	61				15	2	W	73 %	6.54 AM	"				b	"
10	29.93	69	80	60				10	0	"	70 %						b	"
11	30.00	71.5	80	61				7	0	"	65 %						b	"
12	30.05	72.5	81	62				7	1	"	72 %						b	"
13	30.15	71	83	61	.50	2.50		8	1	S	85 %						r● 0	Cloudy " Rain
14	30.03	71	80	60				5	0	"	80 %						c	" " Cool
15	30.00	70	79	61	.13	2.63	1.82	7	1	"	85 %						r● 0	" " Rain
16	30.05	69.5	75	61	.10	2.73		12	0	N	78 %						r● c	" " "
17	30.10	68	79	57.5				13	1	"	75 %						b	Clear and Cool
18	30.07	65	75	58				12	1	W	70 %						b	do
19	30.08	68	77	55.5				10	1	"	65 %						b	"
20	30.04	68	75	61			1.83	7	0	"	73 %						b	"
21	30.08	66.5	80	56				14	1	E	60 %						b	"
22	30.15	66.5	78	54				18	7	"	57 %						b	"
23	30.[illegible]	64	75	53				12	0	"	55 %	5.37 AM	Shock				b	"
24	30.04	65	73	52				17	5	"	57 %	4.40 PM	Tremor				b	"
25	29.87	64	70	57				14	5	S	75 %	12.28 "	"				b	"
26	29.85	63	70	52				0	0	"	80 %	12.7 "	"				b	"
27	29.95	62.5	73	54				15	0	"	83 %	1.3 "	"				b	"
28	30.13	62	70	52				12	2	N	75 %	1.13 AM	"				b	"
29	30.10	61	73	50				13	5	E	70 %	9.49 "	"				b	"
30	30.05	60	72	49				12	3	W	57 %	1.17 "	"				b	"
31	30.17	62.5	75	53				3	0	"	53 %						b	"
Totals	931.23	2086.5	2388	1790							2256							
Averages	30.04	67.30	77.03	57.74							72.77							

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

		1909	Day	1908
Barometer	Max.	30.17	31	30.3
"	Min.	29.85	2	29.9
"	Average	30.04	—	30.
Thermometer	Max.	83	13	83
"	Min.	49	30	40
"	Average	67.39	—	60.
Rainfall in inches		1.86	—	66
" "	(Highest daily)	.70	5	.45
No of Earthquakes		10	—	4
Tremors etc.		18	22	30
Wind Velocity, Max.				

Directions

N.	5
N. E.	
E.	6
S. E.	
S.	9
S. W.	
W.	11
N. W.	

Prevailing Winds W & S

A. L. Cadwell B.A., E.E.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER

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DEC 24 1909
Weather Bureau.

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during November **1909**

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 3¾ 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	30.17	64	80	53		2.73	1.83	5	0	S	57%						b	Clear and Cool
2	30.15	63	72	52				10	1	"	63%						b	do
3	30.05	64	70	53				10	0	W	67%						b	"
4	29.87	63.5	72	60				20	1	S	73%	3.29 PM	Tremor				b	"
5	29.65	66.5	75	57	.07	2.80		33	10	"	85%						ro o	Cloudy and Rain
6	29.67	63	72	55	.97	3.77	1.85	23	10	"	87%						ro o	do
7	29.73	62	70	55	1.14	4.91	2.57	15	0	"	92%						ro o	"
8	29.75	68	67	52	.24	5.15		17	2	"	95%	2.27 PM	Tremor				ro o	"
9	29.85	58	65	50	.08	5.23		13	1	E	87%						ro o	"
10	29.87	56	63	49				20	5	"	85%						bc	" " Cool
11	29.94	56.5	64	45				17	5	"	82%						b	Clear " "
12	29.80	53.5	70	47				13	0	S	85%	2.17 PM	Tremor				bc	" " "
13	29.57	57.5	63	52	.62	5.85	2.74	24	3	"	90%	4.52 AM	"				ro o	Cloudy and Rain
14	30.07	54	62	42			2.77	10	2	"	83%						bc	" " cool
15	30.12	58.5	70	57	.01	5.86		20	2	"	85%						ro c	" " Rain
16	30.18	60.5	65	55	.17	6.03		18	7	"	90%						ro o	" " "
17	30.07	61	67	59	.12	6.15		15	2	"	93%	12.43 PM	"				ro c	" " "
18	29.92	64.5	75	57				17	3	"	83%	4.02 " 1.57 "	" "				bc	" " cool
19	29.82	65.5	73	65	.12	6.27		34	8	"	85%						ro c	Cloudy and Rain
20	29.83	61.5	75	59	.50	6.77		17	3	"	80%	2.29 PM	"				ro o	do
21	29.84	60	67	53	.05	6.82		13	2	"	87%						ro bc	"
22	29.80	63.5	70	61	.01	6.83		27	5	"	82%	7.35 PM	"				ro bc	"
23	29.80	65.5	70	62	.20	7.03	3.87	40	7	"	75%	4.47 PM	"				ro o	"
24	29.83	65	72	62	.75	7.78	3.99	35	13	"	80%	11.45 " 12.37 "	" "				ro o	"
25	29.87	61	70	52	.12	7.90	4.31	37	7	W	83%	1.50 AM	"				ro c	"
26	30.27	57.1	65	42	.03	7.93	4.65	28	10	N	70%	1.5.10 AM	Shock				ro bc	"
27	30.32	51.5	58	37				12	3	"	63%						b	Clear and Cool
28	30.20	52	65	50	.20	8.13		15	0	S	72%						ro c	Cloudy and Rain
29	29.93	52	62	50	.37	8.50	4.67	17	1	"	78%						ro o	do
30	30.00	57.5	58	52	.97	9.47		18	0	"	85%						ro o	"
31																		
Totals	897.94	1820	2047	1595							2424							
Averages	29.93	60.6	68.23	53.16							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

		1909	Day	1908
Barometer	Max.	30.32	27	30.5
"	Min.	29.57	13	29.6
"	Average	29.93	–	30.
Thermometer	Max.	80	1	77
"	Min.	37	27	18.
"	Average	60.69	–	47.
Rainfall in inches		6.74	–	2.8
" "	(Highest daily)	1.14	7	.72
No of Earthquakes		14	–	14
Tremors etc.		40	23	3.5
Wind Velocity. Max.				

Directions

N.	2
N. E.	
E.	3
S. E.	
S.	23
S. W.	
W.	2
N. W.	

Prevailing Winds S

SPECIAL REMARKS

William Fowler M.A

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Dec. 09

OBSERVER

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during December 1909

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	30.10	56	65	47		9.47	4.67	5	0	S	75 %	9.25 PM	Tremor				b	Clear and Cold
2	30.00	53	67	43				0	0	"	70 %	9.12 "	"				"	"
3	29.98	53.5	67	48				18	2	"	73 %						"	"
4	30.03	56.5	72	50			4.68	13	3	"	70 %						"	"
5	29.97	57.5	73	52			4.71	10	2	"	65 %						"	"
6	30.00	57	71	52			4.81	10	0	"	73 %	9.28 PM	"				"	"
7	30.05	57.5	74	45				7	1	"	60 %						"	"
8	30.07	57	70	50				13	0	"	57 %						"	"
9	30.05	57.5	70	54				15	1	"	63 %						"	"
10	30.13	59.5	72	52	.06	9.53		10	3	"	75 %	12.10 PM	"				c ro	Cloudy and Rainy
11	30.15	59.5	67	52	.14	9.67		10	3	"	80 %	3.15 "	"				o ro	"
12	29.90	58	68	53	.05	9.72	4.82	25	1	"	85 %	9.27 " 9.52 "	"				o ro	"
13	30.05	57	63	52	.82	10.54	4.85	17	2	"	87 %						o ro	"
14	30.07	57.5	65	50	.03	10.57	6.69	13	0	"	83 %	8.27 "	"				c ro	"
15	30.08	55	60	48			6.74	27	7	N	80 %	9.15 PM	"				b	Clear and Cold
16	30.10	52.5	57	45				27	10	"	73 %	4.17 PM 9.35 PM	" "				"	"
17	30.02	51.5	60	41				20	5	"	75 %	11.37 PM	"				"	"
18	29.95	53.5	56	47				10	2	"	82 %						"	"
19	30.05	51.5	57	45				7	0	"	70 %						"	"
20	30.15	54	65	45				13	0	S	63 %						"	"
21	30.12	54	63	52			7.70	15	0	"	65 %	7.37 PM	"				"	"
22	30.10	59	65	57			7.73	15	3	"	67 %						"	"
23	30.24	58.5	67	52			7.49	10	2	"	63 %	9.21 AM	"				"	"
24	30.10	55.5	73	54				13	0	"	65 %						"	"
25	30.00	60.5	67	59				18	5	"	73 %	9.31 AM	"				"	"
26	30.02	58.5	70	55			7.80	23	7	"	75 %						"	"
27	29.95	61	67	52				15	5	"	82 %						"	"
28	29.93	57	63	47			8.11	20	1	"	85 %						"	"
29	30.10	52	55	39			8.16	16	2	N	72 %						"	"
30	29.98	49	53	39			8.91	17	2	"	75 %						"	"
31	29.70	54.5	57	54	.08	10.65	8.98	23	3	S	83 %						o ro	Cloudy and Rain
Totals	931.14	1731.55	2019	1531							2264							
Averages	30.03	55.80	65	49							73 %							

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

		1909	Day	1908
Barometer	Max.	30.24	23	30.45
"	Min.	29.70	31	29.70
"	Average	30.03	—	30.08
Thermometer	Max.	74	7	63
"	Min.	39	29	25
"	Average	57	—	44
Rainfall in inches		1.18	—	4.31
" "	(Highest daily)	.82	13	1.81
No of Earthquakes Tremors etc.		15	—	11
Wind Velocity. Max.		27	15	32

Directions

N.	7
N. E.	
E.	
S. E.	
S.	24
S. W.	
W.	
N. W.	

Prevailing Winds South

William Fowler M.A.

SECRETARY

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