1908
Jan-Dec.

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

QC
990
T9
M4
1908

SMYRNA. TURKEY

January 1908
[Weather Bureau files begin with this month.]

OBSERVER

See letter accompanying observations for 1909.

N.B. In "Monthly summary and comparison"
1) Mo'ly. mean pressure (Extr. Max + Extr. Min) ÷ 2 in place of true mean.
2) Mo'ly mean temp. (Extr. Max + Extr. Min) ÷ 2

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September 14, 1999

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during January 1908

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	30.13	54	59	37		10.57	13.14	19	9	E	65%						b	Clear & Bracing
2	29.90	53	57	37			13.29	32	3	S	65%						bc	Some clouds & Bracing
3	29.93	58	63	47	0.12	10.69		31	10	S	79%	7.25 PM	Tremor				o.q.	Squally & cloudy with Rain
4	30.10	53	57	36				23	7	NE	73%						c	clearing weather
5	30.08	50.5	54	37	0.06	10.75	13.32	22	7	S	73%						or.	cloudy and rain
6	30.27	46.5	51	32				28	12	NE	75%	10.47 AM 10.2 AM	" " " "				b	clear & Cold
7	30.20	47.5	53	29			13.42	25	9	N	47%	2.58 PM	" "				b	" " "
8	30.10	49.	50	30				11	0	N	60%						b	" " "
9	29.55	57.5	64	40			13.70	41	2	S	80%						o	10 AM. Barometer 29.48 which is the lowest record since March 29th 1906
10	29.78	56.5	63	50	0.17	10.92	13.83	40	3	W	59%						cr.	High wind with rain
11	30.05	55.5	61	47			14.28	23	8	S	65%						bc	clearer & Mild
12	30.02	57.5	62	48	0.03	10.96		20	9	"	85%						or.	cloudy " Rain
13	30.25	49	65	30				33	14	N	65%						b	clear " Cold
14	30.20	46	50	30				32	7	NE	35%						b	" " "
15	30.23	47	50	31				32	12	"	65%						b	" " "
16	30.25	46.5	52	32				32	12	N	70%						b	" " "
17	30.21	45.5	53	30				34	12	"	45%						b	" " "
18	30.17	45	48	28			14.30	24	8	NE	50%						b	" " "
19	30.20	44.5	49	27.5				12	0	"	55%						b	" " "
20	30.23	44	48	28			14.54	8	2	N	50%						b	" " "
21	30.28	47.5	54	30				18	0	"	65%						b	" " "
22	30.29	48.5	53	30				34	0	NE	50%						n	cloudy " Squally
23	30.05	47.5	50	27				27	10	S	50%						S *	" " "
24	30.07	48	50	25	0.03	10.98		27	4	SE	65%						❄	" " Snow
25	29.95	47.5	47	30				27	6	N	65%						bc	clearer " Cold
26	29.97	47	50	30				35	10	NE	60%						bc	" " "
27	29.95	45	49	33				40	17	"	55%						b	clear " "
28	29.92	48	52	29			14.92	25	9	"	60%	6.45 AM 2.16	Slow undulating	1.30"	NE & SW	1 mill.	o	cloudy " "
29	30.04	50	50	30			15.34	23	7	S	60%						b	" " "
30	30.13	57	65	35	0.01	10.99	15.42	28	10	"	60%						o	" " Milder
31	30.21	58.5	67	45	0.07	11.06	15.57	24	10	"	65%						r.	" " rain
Totals	932.71	1550.5	1786	1050.5	0.49	11.06	15.57				1898							
Averages	30.08	50.00	57.61	33.87							61.22							

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

		1908	Day	1907
Barometer	Max.	30.29	22	30.91
"	Min.	29.48	9	29.58
"	Average	30.08	–	30.14
Thermometer	Max.	67	31	65
"	Min.	25	24	14
"	Average	45.74	–	39.50
Rainfall in inches		0.49	–	2.55
" "	(Highest daily)	0.17	10	0.45
No of Earthquakes Tremors etc.		5	–	0
Wind Velocity. Max.		41	9	45

Directions

N.	8
N. E.	10
E.	1
S. E.	1
S.	10
S. W.	
W.	1
N. W.	

Prevailing Winds NE & S.

SPECIAL REMARKS

S. L. Cadwell Bsc. E.E.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Feb 08

OBSERVER

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during February **1908**

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 ¾ feet

Height of rim of Rain Gauge; above mean sea level 95 feet, above the ground 4.5 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	30.11	57	62	47		11.06	15.57	22	7	S	65%						c	Mild & Cloudy
2	30.02	57.5	63	48			15.72	27	9	"	70%						o	" " "
3	29.82	58.5	64	50	0.27	11.33	16.29	45	11	"	75%						r●	Cloudy & Rain
4	29.83	59	64	48	0.13	11.46	16.35	28	7	"	80%						r●°	" " "
5	29.70	57	65	40	0.71	12.17		30	9	"	85%						r●	" " " & Cold
6	30.08	54.5	55	35	0.13	12.20		20	6	NE	55%						r●	" " Rain Mild
7	30.17	51	50	30				25	9	N	53%						b	Clear & Cold
8	29.98	51	57	31				30	7	NE	50%						cq	Snowing in mountains
9	30.17	45	43	25				30	9	N	60%						b	Clear & Cold
10	29.94	44	52	30			16.40	22	1	S	65%						cq	" " " Snowing in mountains
11	29.97	46.5	50	32	0.07	12.27		27	5	E	85%						cq.r●	Rainy & Cold
12	30.09	44	43	27				42	11	"	80%						bc	Clearer & Chilly High wind
13	30.13	44.5	45	30				44	18	NE	75%						b	Milder & Very clear
14	30.33	46.5	51	31				27	9	"	25%						b	" " " Barometer at 12. N. 30.40
15	30.50	49.	57	35				18	6	"	48%						b	" " " 5.50 PM 30.52 very clear
16	30.47	47.5	58	32				22	10	S	45%						b	Mild & " "
17	30.14	53	60	31				24	5	"	80%						o	" " Cloudy
18	30.19	54	62	35	0.04	12.31		25	6	NE	60%						r●	Cloudy & Rain
19	29.93	51.5	55	37			16.43	24	7	S	75%						o	" " Mild
20	29.57	56.5	58	47	0.04	12.35		50	8	"	80%						r●	" " Rain
21	29.68	56	65	43	0.05	12.40		26	9	"	75%						r●	" " " Bar. at 6.30 PM 29.54
22	29.94	50	57	32			17.05	20	7	"	65%						bc	Clearer & Mild Small local showers.
23	30.02	52	60	35			17.45	23	6	SE	70%						b	" and very clear
24	29.85	54.5	65	45	0.06	12.46		24	5	S	85%						r●	Cloudy & Rain
25	29.88	56.5	62	45	0.17	12.63	17.60	12	0	"	75%						r●	" " "
26	29.92	58	64	50	0.04	12.67	18.38	30	7	"	85%						r●	" " "
27	29.85	57.5	63	45	0.04	12.71	18.53	32	11	"	75%						r●	" " "
28	29.87	57	72	45	0.13	12.84	18.53	34	10	"	75%						r●	" " "
29	29.85	56	57	44	0.35	13.19	–	21	3	"	80%						r●	" " "
30																		
31																		
Totals	870	1525	1673	1145	2.13	13.19	18.53				1986							
Averages	30.00	52.58	57.68	39.48							68.48%							

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

		1908	Day	1907
Barometer	Max.	30.52	15	30.16
"	Min.	29.54	21	29.53
"	Average	30.03	–	29.87
Thermometer	Max.	72	28	65
"	Min.	25	9	28
"	Average	~~46.6~~	–	46.5
Rainfall in inches		2.13	–	2.96
" "	(Highest daily)	0.71	5	0.78
No of Earthquakes Tremors etc.		0	–	4
Wind Velocity. Max.		50	20	30

Directions

N.	2
N. E.	6
E.	2
S. E.	1
S.	18
S. W.	
W.	
N. W.	

Prevailing Winds S.

SPECIAL REMARKS Note the Entire absence of Earthtremors during the month Also the extreme high Barometer on the 15th and the extreme low on the 21st Highest wind velocity for two years on the 20th.

G. C. Caldwell B.S. E.E.

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during March **1908**

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 [illegible] 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	55	63	45	.08	13.27	18.53	21	7	S	75%						r ●	Cloudy & Rain
2	30.21	56.5	56	44				24	10	"	70%						b	Clear " Warm
3	30.25	58.5	65	45				22	6	"	60%						b	" " "
4	30.25	57	55	43				12	0	"	40%						b	" " "
5	30.27	60	59	44				14	2	"	35%						b	" " "
6	30.20	59	64	40				14	3	W	65%						b	" " "
7	30.27	62	70	45				14	2	SW	60%						b	" " "
8	30.27	59.5	65	43				16	3	S	75%	9.55 PM	Shock	7″	west	–	bc	Mild " "
9	30.24	59	67	44				14	5	SW	70%						o	" " "
10	29.97	58	68	47				10	2	S	75%						c	" " "
11	29.91	57.5	64	43			18.87	13	2	W	85%						b	Clear " "
12	29.80	61	70	49				18	3	SW	50%						b	" " "
13	29.92	60.5	66	47	.02	13.29		18	4	S	50%						r ●	Cloudy " Rain
14	29.75	59	59	47	.89	14.18	19.37	28	7	"	85%						r ●	" " "
15	29.75	55	53	41	.73	14.91	21.23	19	0	NE	95%						r ●	" " "
16	29.93	54	62	38	.08	14.99	21.43	25	10	"	85%						r ●	" " " during the clearing weather night
17	30.14	51.5	55	34				24	4	"	75%						bc	Clear & Cold
18	30.02	53.5	59	43	.09	15.08		20	7	S	73%						r ●	Cloudy & Rain
19	29.83	54	57	44	.59	15.67		12	3	"	90%						r ● ▲	Hail Storm during the night of 19th
20	29.97	55	64	42	.77	16.44		19	5	W	68%						r ● bc	Clear in the morning
21	30.08	55.5	61	40				13	3	N	73%						bc	" and Warm
22	29.98	53	63	36			21.57	21	2	NE	50%						b	" " "
23	29.72	53.5	59	40			22.62	28	7	"	55%						o	Mild " & Cloudy
24	29.53	54.5	56	39	.35	16.79		27	11	"	75%						r ●	Rainy " "
25	29.87	53	51	39			23.06	33	14	"	75%						bc	Cloudy " Chilly
26	30.00	53.5	56	39			23.34	28	9	N	60%						b	Clear " Cold
27	30.17	51	57	34				19	7	"	77%						b	" " "
28	30.35	48.5	55	34				23	9	"	55%						b	" " "
29	30.35	47.5	58	35				26	8	NE	50%						b	" " "
30	30.20	51.5	62	37			23.61	28	7	"	45%						o	Cloudy " Chilly
31	29.92	53	55	39		16.79	23.61	20	9	"	75%						o	" " "
Totals	930.93	1720	1918	1280							2071							
Averages	30.03	55.48	61.87	41.29							66.80%							

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

		1908	Day	1907
Barometer	Max.	30.35	28	30.36
"	Min.	29.53	24	29.59
"	Average	29.54	–	29.97
Thermometer	Max.	74	4	64
"	Min.	34	17	26
"	Average	~~54~~		45
Rainfall in inches		3.60	–	5.08
" " (Highest daily)		0.89	14	1.86
No of Earthquakes		1	7	0
Tremors etc.		33	25	45
Wind Velocity. Max.				

Directions

N.	4
N. E.	10
E.	
S. E.	
S.	11
S. W.	3
W.	3
N. W.	

Prevailing Winds S & NE

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

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METEOROLOGICAL OBSERVATIONS

AT

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SMYRNA. TURKEY

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during April **1908**

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	29.76	53	63	37		16.79	23.62	23	0	NE	45%	2.37 PM	tremor				b	clear & cold
2	29.67	55.5	56	39				23	6	SW	60%						b	" " "
3	29.60	56.5	65	43	.20	16.99		26	7	S	75%						r ●	cloudy " Rain
4	30.00	56	55	38	.28	17.27		20	3	NE	90%						r ●	" "
5	30.10	53	59	30				16	4	N	60%						b	clear " cold
6	30.10	54	64	39				14	5	"	45%						b	" " Warm
7	30.17	58	70	45				16	7	S	60%	4.12 PM	Shock			4S	o	cloudy " "
8	30.00	60.5	70.5	47.5			24.09	12	0	"	75%	6.55 AM	tremor				b	clear " Warm
9	29.60	62.5	78	54			24.21	31	7	"	25%	1.25 AM 2. PM	" "				bc	High ~~wind~~ wind " "
10	29.68	66	80	49				42	16	"	40%						b	clear " "
11	29.73	63	68	52	.03	17.30		33	0	"	50%						bc	cloudy " "
12	29.97	59.5	65	44	.09	17.39		26	8	"	65%						r ●	" " rain
13	30.02	60.05	67	43			24.40	24	6	"	60%						b	clear " Warm
14	30.03	62	68	49				12	2	W	60%						b	" " "
15	30.05	63	77	48			24.41	14	5	"	70%						b	" " "
16	30.00	63.5	70	50			24.87	17	4	"	50%						b	" " "
17	30.05	60	68	47			25.05	27	9	N	70%	8.27 AM 7.50 PM	Tremor "				b	" " "
18	29.97	60.05	72	43				18	7	S	45%	9. AM 10.45 AM	" "				b	" " "
19	29.72	63	77	59				25	2	"	67%						b	" " "
20	29.87	64.5	73	53			25.19	38	12	"	65%						b	" " "
21	29.95	64.5	72	52				21	7	"	50%						b	" " "
22	29.83	67	82	57				27	9	"	50%						b	" " "
23	29.95	65.5	75	57			25.30	27	10	W	70%	9.50 AM	Tremor				b	" " "
24	29.90	62	67	45			25.44	21	7	N	75%						b	" " "
25	29.97	61	70	40				25	4	W	50%	7.28 AM	tremor				b	" " "
26	29.87	61.5	70	49			25.46	15	3	"	45%						b	" " "
27	29.87	63.5	71	54			25.48	18	5	S	65%						b	" " "
28	29.92	63	67	54				20	7	W	70%	7.7 PM	Tremor				b	" " "
29	29.96	64	75	53				22	7	N	53%						b	" " "
30	29.93	64.5	76	47				23	7	W	55%	11.5 PM	tremor				b	" " "
31																	b	" "
Totals	897.24	1831	2089.5	1411.5		17.39	25.48				1752							
Averages	29.90	61.03	61.03	47.05							58.40%							

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

		1908	Day	1907
Barometer	Max.	30.17	7	30.21
"	Min.	29.60	3	29.42
"	Average	~~29.86~~	-	29.81
Thermometer	Max.	82	22	83
"	Min.	30..	5	32
"	Average	~~58.36~~	–	55.66
Rainfall in inches		.60	–	1.86
" "	(Highest daily)	.28	4	.47
No of Earthquakes Tremors etc.		13	–	5
Wind Velocity. Max.		42	10	50

Directions

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

Prevailing Winds S. & W.

S. L. Caldwell Psc. E. E.

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METEOROLOGICAL OBSERVATIONS

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May 08

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during May **1908**

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	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.	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	29.94	66	73	53		17.39	25.48	17	4	S	65%						0	cloudy & Warm
2	30.05	65.5	74	51	.68	18.07		30	9	"	75%	8.17 AM	Tremor				R ●	" " Rain
3	30.05	64	70	52	.39	18.45		23	8	"	80%	11.14 AM 6.13 PM	" "				R ●	" "
4	30.00	63.5	68	51				18	6	W	85%						b	clear " Warm
5	30.12	64.5	73	50				20	9	"	65%						b	" " "
6	30.06	65.5	74	54				25	3	S	60%						b	" " "
7	30.01	67.5	74	57			25.87	28	11	"	57%	2.26 PM	"				b	" " "
8	29.87	70.5	80	62				32	11	"	55%	3.12 PM	"				b	" " "
9	30.00	70	76	55	.20	18.65		30	11	"	75%	7. AM	"				R ●	cloudy " Rain
10	30.00	67.5	72	56				21	3	N	85%	4.50 PM 9.48 AM	" "				b	clear " Warm
11	30.04	68	83	58				21	8	"	65%	12.04 PM 2.55 PM	" "				b	" " "
12	30.10	71	81	57				22	7	S.W.	60%	4.8. PM 5.15 AM	" "				b	" " "
13	30.16	73	82	59				19	7	"	55%	8.25 PM	"				b	" " "
14	30.16	74.5	88	62				15	3	W	40%						b	" " "
15	30.18	75.5	93	65				16	3	S	50%	3.46 PM	"				b	" " "
16	30.22	77	92.5	59				15	3	W	45%						b	" " "
17	30.13	79	90	63				18	4	"	50%	2.21 PM					b	" " "
18	30.14	80	91	67				17	3	"	57%	6 PM					b	" " "
19	30.21	77.5	92	62				33	7	E	60%	1.24 PM					b	" " "
20	30.13	75	87	60				34	14	N	35%						b	" " "
21	30.12	77	92	62				31	7	"	45%						b	" " "
22	30.06	72	83	60				23	7	W	70%						b	" " "
23	30.19	72	80	58				22	7	"	85%						b	" " "
24	30.07	71.5	87.5	60				21	7	"	85%						b	" " "
25	30.02	72	80	59				18	5	"	75%						b	" " "
26	30.05	73.5	82.5	58				15	2	"	70%						b	" " "
27	30.04	73	82.5	58				15	4	"	70%						b	" " "
28	29.98	76	85	62				17	5	S	60%						b	" " "
29	30.03	75	87	59				23	5	W	60%						b	" " "
30	29.98	78.5	82.5	65				23	7	N							b	" " "
31	30.00	75	91	60				25	9	NE	55%						b	" " "
Totals	932.11	2230.5	2551.5	1814							1964							
Averages	30.06	71.95	82.30	58.57							63.35							

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

		1908	Day	1907
Barometer	Max.	30.22	16	30.01
"	Min.	29.87	8	29.87
"	Average	30.04	–	29.94
Thermometer	Max.	93	15	92
"	Min.	50	5	50
"	Average	71.5	–	71
Rainfall in inches		1.26	–	0.39
" "	(Highest daily)	.26	2	.39
No. of Earthquakes Tremors etc.		17	–	–
Wind Velocity. Max.		34	20	35

Directions

N.	5
N. E.	1
E.	1
S. E.	
S.	9
S. W.	2
W.	13
N. W.	

Prevailing Winds W & S.

SPECIAL REMARKS The constant tremors during the first part of the month would seem to be related to the special activity of Etna during this period

S. L. Caldwell Bsp. E. E.

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

June 08

OBSERVER

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DEC 5 - 1908
Weather Bureau.

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during June **1908**

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 63 **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	29.99	76	92	63		18.65	25.87	30	8	N	45%						6	Clear & Warm
2	29.97	73	90	57				28	10	"	45%						6	" " "
3	30.02	74	83	55				17	6	E	60%						6	" " "
4	30.10	70.5	78	60				20	5	W	65%						6	" " "
5	30.03	72	79	57				15	5	"	65%						6	" " "
6	29.95	74	81	57				20	5	"	67%						6	" " "
7	30.02	72	83	54				17	6	"	50%						6	" " "
8	30.09	73.5	88	60				16	2	"	50%	6.25AM	Tremor				6	" " "
9	30.09	79.5	93.5	63				17	3	"	45%						6	" " "
10	30.02	81.5	94	67				20	3	"	60%						6	" " "
11	29.95	82.5	95	66				20	5	"	57%						6	" " "
12	30.03	80.5	92	67				23	3	N	60%						6	" " "
13	30.03	82	91	61				26	4	"	50%						6	" " "
14	30.04	75	87	62				27	7	"	50%						6	" " "
15	30.05	74	86	60				30	9	"	55%						6	" " "
16	29.99	73	87.5	67				20	7	"	50%						6	" " "
17	30.03	74.5	84	60				22	2	"	50%						6	" " "
18	30.10	76.5	84	63				22	7	"	70%						6	" " "
19	30.07	74	86	63				18	7	W	75%						6	" " "
20	29.97	76	90	69			25.88	21	5	"	70%						6	" " "
21	29.93	78	87	65			25.90	21	2	"	75%						6	" " "
22	29.94	79	90	70				7	2	"	55%						6	" " "
23	29.90	79	93	69				13	0	"	65%	4.03PM 4.29PM 5.50.45PM	Shock " "	10" 12" 28"	N.W. Sound " " " " " "	1.5 m.m. 2.0 m.m. 1.5 m.m.	6	" " "
24	29.77	75	91	67				20	2	S	70%	5.46.30PM	Tremor				6	" " "
25	29.70	79	91	64				17	5	"	75%	1.47AM	Tremor				6	" " "
26	29.88	73	80	58	.65	19.30		23	7	NE	85%	6.45PM	"				R	Cloudy & Rain
27	29.97	73	81	59				21	7	"	80%	3.47AM	"				6	Clear & Warm
28	29.98	74.5	85	64				14	2	W	85%	4.10AM 7.25AM	" "				6	" " "
29	30.00	77	85	61			26.13	20	2	"	75%	8.44PM 3.50AM	" "				6	" " "
30	30.08	78	86	67				21	7	N	70%	6.40AM 2.17PM	" "				6	" " "
31																	6	" " "
Totals	899.72	2279.5	2613	1875							1894							
Averages	29.96	75.98	87.10	62.5							63.13							

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

		1908	Day	1909
Barometer	Max.	30.10	18	30.09
"	Min.	29.70	25	29.80
"	Average	29.90	00	29.95
Thermometer	Max.	95	11	98
"	Min.	54	7	56
"	Average	74.5	–	77
Rainfall in inches		.65	–	.26
" "	(Highest daily)	.65	26	.23
No of Earthquakes Tremors etc.		16	–	6
Wind Velocity. Max.		30	15	43

Directions

N.	10
N. E.	2
E.	1
S. E.	
S.	2
S. W.	
W.	15
N. W.	

Prevailing Winds N & W

SPECIAL REMARKS

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

SECRETARY

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

July 08

OBSERVER

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DEC 5 - 1908
Weather Bureau.

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during July **1908**

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 03 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	30.07	76	93	67				22	8	NE	45%	5.26 PM	Tremor				6	Clear & Warm
2	30.04	79.5	97	70				27	5	"	35%	2.26 PM 6.30 AM	" "				6	" " "
3	30.00	82.5	96	67				20	4	S	45%	3.30 AM					6	" " "
4	30.00	78	94	64				18	7	SW	40%						6	" " "
5	29.98	79.5	90	64				21	7	"	45%						6	" " "
6	29.92	76	87	62				21	7	W	55%	2.53 PM	"				6	" " "
7	29.95	79.5	90	67				21	4	"	60%						6	" " "
8	29.90	81	89	65				20	5	"	65%	6.20 AM	"				6	" " "
9	29.90	83	93	70				18	4	N	65%	8.27 AM 9.48 AM	" "				6	" " "
10	29.95	78	91	65				17	8	S	57%	1.55 PM	"				6	" " "
11	29.94	80	90	67				15	7	E	58%						6	" " "
12	30.05	78	91	65				28	5	"	50%	10.40 AM	"				6	" " "
13	30.03	80	93	67				24	9	"	55%						6	" " "
14	29.97	82	94	70				16	6	N	45%						6	" " "
15	29.90	78	90	68				20	8	W	65%						6	" " "
16	29.87	81.5	90	65				21	7	S	60%						6	" " "
17	29.73	80	87	67				22	7	"	65%						6	" " "
18	29.82	76.5	87	65				24	7	W	60%						6	" " "
19	29.92	79	87	67				15	4	"	55%	12.58 PM	"				6	" " "
20	29.97	80	90	72				14	5	S	50%	6.37 AM	"				6	" " "
21	29.93	83.5	100	70				15	2	"	35%	7.45 PM	"				6	" " "
22	29.82	80	92	65				21	7	W	50%	6.25 PM	"				6	" " "
23	29.80	80.5	93	70				24	9	"	65%						6	" " "
24	29.94	81.5	90	67				20	8	"	60%	9.24 AM 12.17 PM	" "				6	" " "
25	30.00	81.5	92	67				20	7	E	55%	2.2 PM	"				6	" " "
26	30.00	81	90	65				17	5	W	65%	6.37 AM	"				6	" " "
27	29.97	82	89	67				18	7	S	70%	7.15 AM	"				6	" " "
28	29.87	82	88	65				22	8	"	65%	6.38 AM	"				6	" " "
29	29.91	80	90	68				18	6	W	60%	5.25 AM	"				6	" " "
30	29.93	80.5	88	69				23	8	"	65%						6	" " "
31	29.91	82	92	70				23	3	N	65%	7.20 AM	"				6	" " "
Totals	927.99	2482	2823	2079							1730							
Averages	29.90	80.08	91.06	67.06							55.80%							

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

		1908	Day	1907
Barometer	Max.	30.07	1	30.11
"	Min.	29.73	17	29.80
"	Average	29.90	–	29.95
Thermometer	Max.	100	21	101.5
"	Min.	62	6	60
"	Average	81	–	80.75
Rainfall in inches		–	–	–
" "	(Highest daily)	–	–	–
No of Earthquakes		22	–	24
Tremors etc.		28	12	38
Wind Velocity. Max.				

Directions

N.	3
N. E.	2
E.	4
S. E.	
S.	8
S. W.	2
W.	12
N. W.	

Prevailing Winds W & S

SPECIAL REMARKS

S. L. Caldwell Bso. E.E.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

aug. 1908

OBSERVER

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during August 1908

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	29.87	84.5	99	70				20	8	W	50%						6	Clear & Warm
2	29.93	85	100	72				24	3	N	45%	7.53 AM 8.30 AM	Tremor "				6	" " "
3	29.88	87	103	72				18	7	E	35%	7.25 AM	"				6	" " "
4	29.88	86	95	73				22	6	NE	30%						6	" " "
5	29.95	84	98	68				29	7	N	35%	7.30 AM	Tremor				6	" " "
6	29.92	83.5	97	70				24	6	"	25%	8.46 AM 7.13 PM	" "				6	" " "
7	29.97	82	97	67				23	3	"	30%	6.35 AM	Tremor				6	" " "
8	29.87	79.5	94	67				17	3	"	45%						6	" " "
9	29.70	82	90	72				20	2	S	35%						6	" " "
10	29.75	83.5	102	67				17	4	"	25%						6	" " "
11	29.87	82	92	67				14	3	"	20%	7.24 AM 8.2 AM	Tremor "				6	" " "
12	29.88	79.5	90	65				17	4	W	30%	8.33 AM	"				6	" " "
13	29.95	80	88	65				18	6	"	35%						6	" " "
14	30.00	80.5	90	67				18	6	"	45%	6.13 AM 7.25 AM	Tremor "				6	" " "
15	30.03	78	88	65				18	5	"	50%						6	" " "
16	29.95	79	97	70				17	4	"	35%						6	" " "
17	29.87	82	95	67				14	3	"	50%						6	" " "
18	29.80	81	100	66				8	1	"	30%	2.28 PM 7.20 AM	Tremor "				6	" " "
19	29.95	81.5	95	70			.05	25	4	N	40%						6	" " "
20	29.93	82.5	97	65			.85	27	10	NE	35%						6	" " "
21	30.03	76	93	65			2.45	26	7	N	30%						6	" " "
22	30.12	79	94	64				30	10	"	25%	7.17 AM	Tremor				6	" " "
23	30.02	81	97	70				17	5	"	35%						6	" " "
24	29.95	80.5	95	65				14	5	"	45%	7.30 AM	Tremor				6	" " "
25	29.98	77	92	64				13	3	W	50%						6	" " "
26	29.95	82	100	67				20	5	N	30%						6	" " "
27	29.92	80.5	93	63				16	3	"	45%						6	" " "
28	29.93	78	90	62				20	7	S	50%	9.57 AM 11.37 AM	Tremor "				6	" " "
29	30.00	79.5	85	65				17	5	N	50%	11.37 AM	"				6	" " "
30	30.03	81	87	67				18	4	"	35%	8.30 AM	"				6	" " "
31	29.92	80	90	65				17	6	"	65%	7.10 AM	"				6	" " "
Totals	927.80	2517.5	2923	2082	—	—	2.45				1205							
Averages	29.93	81.20	94.29	67.16							38.87							

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

		1908	Day	1907
Barometer	Max.	30.12	22	30.12
"	Min.	29.70	9	29.84
"	Average	~~29.91~~	—	29.98
Thermometer	Max.	103	3	102.5
"	Min.	62	28	62
"	Average	~~82.5~~	—	82.25
Rainfall in inches		—	—	2.45
" "	(Highest daily)	—	—	1.60
No of Earthquakes		21	—	15
Tremors etc.		30	22	28
Wind Velocity. Max.				

Directions

N.	15
N. E.	2
E.	1
S. E.	
S.	4
S. W.	
W.	9
N. W.	

Prevailing Winds N & W

S. L. Caldwell. B. Sc.

SECRETARY

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Sept 08

OBSERVER

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during September 1908

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	29.88	80.5	93	63			2.45	15	5	W	75%						b	Clear & Warm
2	29.80	79	90	63				13	4	"	70%						b	" " "
3	29.82	80	87	64				12	3	"	65%						b	" " "
4	30.08	80	93	67				10	1	N	25%	7.25AM	Tremor				b	" " "
5	30.04	78	97	63				17	5	W	30%						b	" " "
6	29.92	79	92	60				17	5	"	35%						b	" " "
7	29.97	79.5	90	65				27	3	N	45%	7.10AM	Tremor				b	" " "
8	30.00	78	97	65				25	7	"	50%						b	" " "
9	29.98	80	95	63				18	4	"	65%						b	" " "
10	30.02	77	90	65				14	5	W	55%						b	" " "
11	30.02	74	87	67				16	2	"	57%	7.30AM	Tremor				b	" " "
12	30.00	73	90	60				15	2	"	65%						b	" " "
13	30.00	76	87	62				14	2	"	60%						b	" " "
14	30.00	77	93	60				7	1	"	65%						b	" " "
15	30.15	71	92	57				30	2	N	60%	7.35AM	Tremor				b	" " "
16	30.19	72.5	87	55				31	10	"	55%						b	" " "
17	30.00	70.5	90	53				17	5	"	60%						b	" "
18	29.90	73.5	80	55				18	7	"	65%						bc	Cloudy " Chilly
19	29.88	72	78	53	.60	.60		17	2	W	75%						r●	" " Rain
20	30.13	69.5	70	54	.25	.85		8	0	"	70%	6.50AM	Tremor				r●	" " "
21	30.12	67	77	50				8	2	"	75%						c	" " Chilly
22	30.05	66	75	49				12	2	"	70%						bc	" " "
23	30.04	68.5	74	50				14	2	"	86%						c	" " "
24	30.08	69.5	75	55	.01	.86		7	0	"	85%						r●	" " Rain
25	30.13	70.5	79	52	.07	.93		5	0	"	90%						r●	" " "
26	30.10	65.5	78	53				14	3	"	85%						bc	" " Chilly
27	30.07	69	85	52				20	5	N	75%						b	Clear & Warm
28	30.02	69	84	51				15	3	"	70%						bc	Cloudy " "
29	29.95	69	80	50				10	3	W	75%						o	" " Chilly
30	29.85	70	85	50	.21	1.14		8	2	NE.	85%						r●	" " Rain
31																		
Totals	900.19	2204	2556	1726	1.14	1.14	2.45				1917							
Averages	30.00	73.46	82.20	57.13							63.9%							

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

		1908	Day	1907
Barometer	Max.	30.19	16	30.21
"	Min.	29.80	2	29.83
"	Average	~~29.99~~	—	30.02
Thermometer	Max.	97	8	89.5
"	Min.	49	22	51.5
"	Average	~~73~~	—	70.5
Rainfall in inches		1.14	—	—
" " (Highest daily)		.60	19	—
No of Earthquakes Tremors etc.		5	—	5
Wind Velocity. Max.		31	16	27

Directions

N.	10
N. E.	1
E.	
S. E.	
S.	
S. W.	
W.	19
N. W.	

Prevailing Winds W & N

SPECIAL REMARKS

S. L. Caldwell Bro. E.E.

SECRETARY

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Oct 08

OBSERVER

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during October 1908

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 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	29.96	67	65	48	.45	1.59	2.45	15	0	N	85%						r●	Cloudy & Rain
2	30.05	65	75	48	.05	1.64		17	1	"	80%	7.30 pm	Tremor				r●	" " "
3	30.08	67	78	53				8	2	W	75%						bc	" " Mild
4	30.12	68	82	52				12	2	"	70%						o	" " Chilly
5	30.07	64.5	75	48	.03	1.67		7	0	"	85%						r●	" " Rain
6	30.03	62.5	74	48				13	1	S	90%						o	" " Chilly
7	30.25	64	78	47	.15	1.82		22	2	E	75%						r●	" " Rain
8	30.38	61	70	42				30	10	N	70%						bc	" " Chilly
9	30.20	62	74	43				17	3	"	75%	3.42 PM	Tremor				bc	" " Mild
10	30.18	62	77	45				13	3	"	70%	7.25 PM	Tremor				b	Clear " Warm
11	30.25	64	78	48				8	1	"	65%						b	" " "
12	30.30	64.5	81	47				15	5	"	50%						b	" " "
13	30.25	63	75	44				12	1	W	60%						b	" " "
14	30.12	64.5	77	47				17	1	N	70%						b	" " "
15	30.08	65	78	47				17	6	"	75%						b	" " "
16	30.17	64.5	73	43				10	1	S	70%						b	" " "
17	30.17	64	72	42				14	2	"	65%						b	" " "
18	30.10	60	73	43				6	0	"	60%						b	" " "
19	29.98	61	74	43				5	0	W	70%						bc	Cloudy & Mild
20	30.05	65	72	45	.01	1.83		5	1	"	75%	6.35 PM	Tremor				r●	" " Rain
21	30.18	65	71	45				8	2	"	65%						b	Clear " Chilly
22	30.17	63	72	44				6	1	"	70%						b	" " "
23	30.18	64.5	83	45				3	0	S	65%						b	" " Warm
24	30.16	65.5	79	49				8	0	W	60%						b	" " "
25	30.17	67	83	47				22	2	N	50%						b	" " "
26	30.25	66	82	47				21	7	"	55%						b	" " "
27	30.27	65	75	48				23	2	"	50%						b	" " "
28	30.27	63.5	77	45				28	7	"	40%						b	" " "
29	30.18	63	78	45				27	4	NE	45%						b	" " "
30	30.10	62.5	76	43				20	7	"	50%						b	" " "
31	30.03	62	72	40				15	1	"	55%						b	" " Chilly
Totals	934.66	1985.5	2349	1421							2040							
Averages	30.15	64.05	75.77	45.84							65.80%							

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

		1908	Day	1907
Barometer	Max.	30.38	8	30.21
"	Min.	29.96	1	30.03
"	Average	~~30.17~~	—	30.12
Thermometer	Max.	83	23	87
"	Min.	40	31	47
"	Average	~~61.50~~	—	67
Rainfall in inches		.69	—	0
" "	(Highest daily)	.45	—	0
No of Earthquakes		4	—	14
Tremors etc.		30	8	23
Wind Velocity. Max.				

Directions

N.	13
N. E.	3
E.	1
S. E.	
S.	5
S. W.	
W.	9
N. W.	

Prevailing Winds N & W

SPECIAL REMARKS

S. L. Caldwell Bed. E. E.

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4

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

nov 08

OBSERVER [illegible]

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Weather Bureau.

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during November 1908

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	29.94	61.5	70	38		1.83	2.45	12	2	W	75%						b	Clear & Warm
2	29.97	59	71	37				12	1	NE	70%						b	" " Chilly
3	30.10	58.5	70	37				11	1	"	65%	6.40 PM	Shock	-	Local		b	" " "
4	30.08	54	67	33				14	1	E	70%	6.50 PM	Tremor				b	" " "
5	30.02	57	65	39			2.65	12	0	N	60%						o	Cloudy " "
6	29.86	56	63	38	.02	1.85		5	0	S	75%						o r •	" " Rainy
7	29.97	55	53	35	.72	2.57		10	1	N	70%						r •	" " Rain
8	30.02	54	63	34				13	3	NE	65%						b	Clear " Chilly
9	30.03	54	60	39				25	0	S	70%	9.50 PM	Tremor				b	" " "
10	29.98	62.5	70	56				30	7	"	75%						bc	" " Mild
11	30.16	64	76	48				20	5	"	70%						bc	" " Warm
12	29.96	63	67	49				10	0	SE	70%						b	" " "
13	29.85	63.5	77	42	.17	2.74		27	1	S	75%						o r •	Cloudy " Rain
14	29.97	59.5	72	42	.03	2.77		20	0	NE	80%						bc	" " Mild raining in the morning
15	30.10	57	76	37				30	9	"	60%	1.35 AM 3.35 " 4.15 PM 5.0 AM	Tremor " " "				bc	Clear " very cold
16	30.46	48	57.5	25				35	9	N	55%						bc	" " " "
17	30.57	44	47.5	19			2.72	32	13	SE	50%						bc	" " " "
18	30.46	47	47.5	18.5				25	5	NE	55%	12.7 PM	Tremor				b	" " " "
19	30.43	46	52.5	20				14	6	"	65%						b	" " Cold
20	30.27	53	57	38				25	0	S	75%						o	Cloudy " Mild
21	30.17	55.5	64	49				25	7	"	80%	10.8 AM	Tremor				o	" " Warm
22	29.84	58	63	48				32	5	"	70%	8.35 " 9.50 " 3.15 "	" " "				c	" " "
23	29.77	59	65	46	1.10	3.87	2.74	26	7	SE	85%						o r •	" " Rain
24	29.67	58.5	59	45.5	.12	3.99	2.91	11	0	SW	90%	2.33 PM 4.30 "	" "				c r •	" " " Mild
25	29.73	58	64	46.5	.32	4.31		23	2	S	85%						o r •	" tendency to Rain
26	29.94	57	59	44	.34	4.65		15	7	NE	75%						bc r •	" " " clear
27	30.15	53.5	57.5	42			3.51	17	5	"	70%						bc	Clear " Chilly
28	30.17	51	59	36				15	7	"	75%						c	Cloudy " Cold
29	30.25	49.5	57	39.5	.02	4.67		17	4	"	65%						c	" " " shower
30	30.40	46	50	32.5				12	3	"	60%						b	Clear " "
31																		
Totals	902.27	1662.5	1878.5	1153.5	2.84	4.67	3.51	85			2105	14						
Averages	30.07	55.40	62.61	38.43							70.16%							

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

		1908	Day	1907
Barometer	Max.	30.57	17	30.42
"	Min.	29.67	24	29.78
"	Average	30.12	–	30.10
Thermometer	Max.	77	13	77
"	Min.	18.5	18	32
"	Average	~~47.72~~	–	54.5
Rainfall in inches		2.84	–	1.06
" "	(Highest daily)	.72	7	.60
No. of Earthquakes Tremors etc.		14	–	13
Wind Velocity. Max.		35	16	37

Directions

N.	3
N. E.	12
E.	1
S. E.	3
S.	9
S. W.	1
W.	1
N. W.	

Prevailing Winds NE. & S.

SPECIAL REMARKS

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

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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

Dec. 08

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METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE SMYRNA, TURKEY during December 1908

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 63 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	30.45	47	50	33.5		4.67	3.67	19	8	NE	75%						b	Clear & Cold
2	30.38	48	54	25				5	0	"	65%						b	" " "
3	30.27	48	59½	27				10	0	SE	65%						b	" " "
4	30.13	54	60½	38½	.01	4.68	3.54	16	6	S	60%						o	Cloudy Tendency to rain
5	30.05	52	62	34	.03	4.71	4.37	2	0	"	75%						o	Clearer Scattering Clouds
6	30.14	48½	52	35	.10	4.81	5.72	17	5	NE	55%	7.33 AM	Tremor				bcr•	Cloudy and Rain
7	30.22	43½	50	27				27	5	"	65%						b	Clear " Cold
8	30.23	45	55	32				32	10	"	50%	7.35 AM	"				b	" " "
9	30.24	46	50	30.5				23	7	"	53%	8.45 PM	"				b	" " "
10	30.15	46.5	49½	30.5			6.36	13	4	"	66%	7.5 PM 8.30 "	" "				b	" " "
11	30.12	47	46½	30.5			6.43	12	3	SE	70%						c	Cloudy Tendency to rain
12	30.02	52	53	45.5	.02	4.83		23	2	"	70%						o	" " " "
13	29.82	53	63	52	.02	4.85		27	9	"	80%						o	" " " "
14	29.88	54½	58	46.5	1.84	6.69		25	5	E	95%						or•	" and Rain
15	30.12	54	52	44.5	.05	6.74	8.34	7	0	"	85%	6.30 AM	Tremor				bc	Clearer " Cold
16	30.22	52	60.5	37			8.44	10	0	NE	85%						b	Clear " Cool
17	30.22	53½	49	39			9.54	14	0	"	75%	3.30 AM	"				b	" " "
18	30.18	50	53	37.5			9.64	10	3	"	75%						o	Cloudy " Cold
19	30.15	53	54	39				8	0	"	70%						c	" " Mild
20	30.12	53	60	43				0	0	"	75%						c	" " Cool
21	30.00	53	51	48	.96	7.70		12	2	"	85%						or•	" " Rain
22	30.08	54½	51	48	.03	7.73		15	2	"	85%	11.30 PM	"				or•	" Tendency to rain
23	30.12	53	49	43	.06	7.79	9.83	18	5	"	90%						o	" " " clear
24	30.13	51	49	41				19	7	"	75%	7.15 AM	"				bc	Clearer " cool
25	30.08	52	56	39				17	3	"	75%						c	Cloudy " "
26	30.04	50.5	47	42	.04	7.80		0	0	"	85%						c	" " "
27	29.84	52	58	44			9.85	19	0	S	80%						c	" " "
28	29.75	51.5	55½	43	.31	8.11		23	8	"	90%						or•	" " rain
29	29.85	54½	62	47	.05	8.16	10.27	16	0	"	85%	2.10 AM	"				o	" " Cool
30	29.70	58	61	50	.75	8.91	10.52	24	6	SE	95%						or•	" " Rainy
31	29.87	55	60	45	.07	8.98	10.57	17	5	S	85%	4.50 AM	"				or•	" Tendency to rain
Totals	932.27	1587½	1691	1217.5	4.31	8.98	10.57				2341	11						
Averages	30.08	51.21	54.54	39.27							75.84%							

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

		1908	Day	1907
Barometer	Max.	30.45	1	30.38
"	Min.	29.70	30	29.57
"	Average	30.08	—	29.98
Thermometer	Max.	63	13	69
"	Min.	25	2	23
"	Average	~~44~~	—	46
Rainfall in inches		4.31	—	7.06
" "	(Highest daily)	1.84	14	1.91
No of Earthquakes		11	—	2
Tremors etc.		32	8	45
Wind Velocity. Max.				

Directions

N.	
N. E.	18
E.	2
S. E.	5
S.	6
S. W.	
W.	
N. W.	

Prevailing Winds NE

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

SECRETARY