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METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

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1931
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OBSERVER Kahl Osmin

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September 14, 1999

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** January **1931**

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. feet

Height of rim of Rain Gauge, above mean sea level 2 ~~feet~~ in, 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 ~~11-40 A.M.~~ 8	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	52	61	35		16.52			1	NE	100							3 ci
2	" .90	52	57	40					2	N	87							7 cu, showers
3	" .80	53	62	32	1.21				—	—	100							6 cu
4	" .99	54	67	37					1	N	100							5 cu
5	" .91	57	67	34					2	S	100							7 cu
6	" .88	62	62	48					1	SE	100							10 cu nb, drops of rain
7	" .84	59	61	53	.06				—	—	100							10 cu nb
8	" .66	63	59	53					—	—	100							10 " , drops of rain
9	" .61	64	59	51					1	S	93							8 " , " "
10	" .57	62	60	50					—	—	100							10 " " , showers
11	" .77	62	61	43					—	—	100							8 cu showers,
12	" .87	60	60	44					—	—	100							10 cu nb, showers
13	" .82	62	61	46	.40				2	SE	93							10 " "
14	" .46	59	62	47	.92				1	NW	100							10 " "
15	" .81	57	60	44	.55				—	—	100							8 cu ci
16	" .88	58	63	46	.04				—	—	100							5 cu
17	" .49	61	57	46	.31				2	S	100							10 cu nb
18	" .41	60	60	43	.14				3	S	100							10 " "
19	" .28	57	56	44	.58				3	S	100							10 " "
20	" .78	62	48	34	.46				1	S	90							5 cu
21	30.03	57	46	31					1	N	81							10 cu, ground frost
22	" .12	61	50	30					—	—	89							10 cu, " "
23	" .19	59	49	32					2	N	84							2 ci, stratus
24	29.92	59	51	29					—	—	91							frost
25	" .94	61	54	31					3	S	91							10 cu frost
26	" .63	56	58	31					2	S	100							10 cu nb, drops of rain
27	" .38	62	49	43	.82				2	S	100							10 cu nb
28	" .32	61	51	40	1.96				2	SW	100							10 cu nb
29	" .84	59	47	34	.10				2	N	90							frost
30	" .93	58	53	31					2	N	90							5 ci, frost
31	" .69	60	51	33	.16				—	—	100							10 cu nb
Totals	922.91	1829	1762	1235	7.71						2879							
Averages	29.77	59	56.8	39.8							96							

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	Day	19
Barometer	Max.	30.19	23	
"	Min.	29.25	19	
"	Average	29.71		
Thermometer	Max.	64	9	
"	Min.	52	1, 2	
"	Average	~~59~~		
Rainfall in inches		7.71		
" "	(Highest daily)	1.96	28	
No of Earthquakes Tremors etc.		—	—	
Wind Velocity, Max				

Directions

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

Prevailing Winds South

SPECIAL REMARKS

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER Halil

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WEATHER BUREAU

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** April **1931**

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. feet

Height of rim of Rain Gauge, above mean sea level 84 feet, above the ground 2 ~~feet~~ m

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 ~~H. H.~~ 8 A.M.	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	29.82	65	59	41	.33	34.33			—	—	100							10 cu nb
2	" .69	65	55	44	.40				2	NE	86							
3	" .91	64	57	38					2	N	80							3 ci
4	" .82	64	60	43					1	S	100							10 cu nb 2 showers
5	" .73	66	59	46	.38				1	S	100							
6	" .78	63	59	47	.40				-	-	100							
7	" .84	62	66	38							100							
8	" .68	64	65	45					2	SW	94							10 cu nb
9	" .45	66	64	53	.25				2	E	94							
10	" .59	66	59	50	1.33				3	N	87							8 cu nb
11	" .69	66	55	44					3	NE	87							
12	" .83	64	60	40					3	NE	85							5 cu ci
13	" .85	62	60	37						-	86							3 ci
14	" .91	63	61	36					1	E	87							7 cu
15	" .54	63	69	45					4	S	87							
16	" .80	64	61	46	.97				1	N	100							3 cu ci
17	" .84	63	65	38					2	NE	87							10 cu
18	" .62	63	62	43					2	S	89							
19	" .72	65	61	45	.98				1	N	90							
20	" .82	66	68	46					-	-	94							5 cu
21	" .76	67	79	52					1	NE	89							
22	" .75	66	75	53							80							6 cu
23	" .79	62	70	48						—	89							
24	" .91	62	68	46					1	S	90							7 cu
25	" .92	65	68	45					1	N	89							10 cu nb
26	" .72	64	67	52	.04				—	-	94							
27	" .76	64	70	49					1	:	89							
28	" .78	64	69	52					2	NE	94							cu nb showers
29	" .73	65	70	57					2	S	90							
30	" .85	62	67	45					1	S	78							
31																		
Totals	892.90	1925	1928	1364	5.68	39.68					2721							
Averages	29.76	64	64.2	45.4							90.7							

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

		19	Day	19
Barometer	Max.	29.92	3	
"	Min.	.45	9	
"	Average	76		
Thermometer	Max.	67	21	
"	Min.	62	5,15,19,24,25	
"	Average	~~54~~		
Rainfall in inches		5.68		
" "	(Highest daily)	1.33	10	
No of Earthquakes Tremors etc.		-		
Wind Velocity, Max				

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

Prevailing Winds

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER Wahl L. Emin

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WEATHER BUREAU

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** May **1931**

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. feet

Height of rim of Rain Gauge, above mean sea level ~~88~~ 212 feet, above the ground 2 ~~feet~~ in

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 ~~11.40 A.M.~~ 8	Direction	HUMIDITY % of Moisture	SEISMOSCOPE AND SEISMOGRAPH Time	Nature of Movement	Duration	Direction	Amplitude in Millimetres	Beaufort Notation and Int. Symbols	REMARKS
1	29.85	62	73	55		39.72			1	N	78							
2	.86	63	74	45					—	—	79							Earthquake 11.20 P.M.
3	.83	66	72	50					1	S	80							8 cu
4	.79	64	72	44					1	N	78							5 ci
5	.79	65	75	49					—	—	89							3 cu
6	.77	66	72	50					1	N	89							
7	.81	67	71	56					2	N	80							
8	.80	67	70	51					2	E	89							
9	.75	65	77	47					2	S E	89							
10	.74	67	73	54					2	S	90							3 cu
11	.82	65	73	50					—	—	85							8 cu
12	.60	67	64	58					—	—	100							10 cu nb, rain-showers
13	.85	66	60	55	.49				3	N	89							8 cu nb
14	.93	65	70	47					3	N	89							
15	.90	65	75	50					2	N	89							
16	.90	65	79	50					—	—	85							
17	.91	67	81	52					1	N	80							
18	.89	68	84	56					1	E	90							
19	.79	70	83	57					2	S E	81							5 ci
20	.77	72	87	64					2	S	100							10 cu
21	.80	74	90	67					2	S	82							10 cu nb
22	.85	76	85	67					1	S E	83							5 cu
23	.80	76	81	67					2	N	91							8 cu, drops of rain
24	.75	76	85	68					3	N	83							4 ci
25	.59	74	81	47					3	N	91							10 cu nb
26	.67	74	61	49	.27				—	—	91							8 cu ci, thunderstorm
27	.69	70	71	46	.59				1	S	100							10 cu nb
28	.68	71	70	60	.11				1	N	100							8 cu
29	.65	71	76	60					—	—	100							5 cu ci
30	.68	71	77	60					—	—	100							10 cu
31	[illegible]	71	79	[illegible]					[illegible]	[illegible]	91							[illegible]
Totals	923.34	2126	~~2251~~	~~2189~~	1.46	41.18					2785							
Averages	29.78	65.6	72.8	70.6							89.8							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max. and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		19	Day	19
Barometer	Max.	29.93	14	
"	Min.	.59	25	
"	Average	.78		
Thermometer	Max.	76	22, 23, 24	
"	Min.	62	1	
"	Average	68.6	-	
Rainfall in inches		1.46	-	
" "	(Highest daily)	.59	27	
No of Earthquakes Tremors etc.		1	2	
Wind Velocity, Max				

Directions

N.	17
N. E.	
E.	3
S. E.	3
S.	5
S. W.	
W.	
N. W.	

Prevailing Winds South

SPECIAL REMARKS

1689

54.48

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER Mustafa Ulvi

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JUL 26 1931
WEATHER BUREAU

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** June **19** 31

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. 4 feet

Height of rim of Rain Gauge, above mean sea level 2/2 feet, above the ground 2 ~~feet~~ inches

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 ~~11-48~~ 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	72	82	58		41.18			–	–	100							5 ci ⌒
2	29.83	74	85	62					1	N	100							3 ci ⌒
3	29.82	75	84	62					–	–	91							5 cu ⌒
4	29.58	76	81	67					2	SE	91							⌒
5	29.68	76	74	66					1	N	100							8 cu lightening P.M.
6	29.73	78	80	61					1	SE	106							8 cu showers thunderstorm
7	29.75	75	85	64					1	N	82							⌒
8	29.70	76	87	60					–	–	91							⌒
9	29.68	76	84	60					1	SE	97							5 cu ci
10	29.78	76	83	67					2	N	91							2 ci
11	29.86	77	83	66					3	NE	91							8 cu
12	29.87	77	85	66					3	N	93							2 cu ci ⌒
13	29.78	77	85	65					2	N	91							7 cu ⌒
14	29.78	77	85	62					–	–	91							5 cu showers, ⌒
15	29.89	77	86	67					1	N	91							7 ci ⌒
16	29.99	77	91	61					2	N	93							⌒
17	29.94	77	91	61					2	N	91							⌒
18	29.84	76	90	69					2	N	100							⌒
19	29.78	78	90	67					1	N	91							⌒
20	29.87	79	91	66					1	NW	92							– –
21	29.84	81	90	69					1	NE	92							2 ci
22	29.88	79	95	65					2	NW	100							–
23	29.79	78	95	66					3	N	84							–
24	29.90	80	95	54					1	N	89							4 ci
25	29.89	79	96	57					1	SW	93							– earthquake 6 o'clock in the day time
26	29.93	80	95	46					–	–	92							–
27	29.95	82	97	62					1	N	87							5 cu
28	29.89	82	87	56					1	S	92							9 cu 4 ci
29	29.99	78	82	46					3	NW	100							6 cu
30	29.89	76	85	53					2	NW	91							2 cu
31																		
Totals	895.03	2316	2619	1851		41.18					2774							
Averages	29.83	77.2	87.3	61.7							92.46							

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

		1931	Day	1930
Barometer	Max.	29.99	16, 29	
"	Min.	29.58	4	
"	Average	29.765		
Thermometer	Max.	82	27, 28	
"	Min.	72	1	
"	Average	77		
Rainfall in inches		—		
" "	(Highest daily)	—		
No of Earthquakes Tremors etc.		1	25	
Wind Velocity, Max				

Directions Prevailing Winds

N.	14
N. E.	2
E.	—
S E.	3
S.	1
S. W.	1
W.	0
N. W.	4

SECRETARY M. Uhl

Form 3203.

AIR MINISTRY, METEOROLOGICAL OFFICE.

METEOROLOGICAL REGISTER

In accordance with the instructions given in the Observer's Handbook (M.O. 191) § 8

FOR USE AT

CLIMATOLOGICAL STATIONS

(Stations of the Third Order of the International Classification)

IN CONNECTION WITH THE METEOROLOGICAL OFFICES IN LONDON AND EDINBURGH.

Station Smyrna, Turkey *Month and Year* July 1923

INSTRUMENTS IN USE.

NOTE.—Observers should communicate with the office before making any change in the instruments or their position.

		Date of Correction Card.			Instrumental Corrections.			Instrumental Corrections.
Barometer	No.		Dry Bulb	No.		Earth Thermometer 1 ft.	No.	
Sunshine Recorder	No.	—	Wet Bulb	No.		,, ,, 4 ft.	No.	
Rain Gauge	No.	—	Maximum Thermometer	No.		Solar Maximum Thermometer	No.	
Measuring Glass	No.	—	Minimum ,,	No.		Grass Minimum ,,	No.	

It is desirable that the readings of the thermometers should be corrected for instrumental errors before being entered in this form. The action taken should in every case be indicated at the foot of the corresponding column.

OBJECTS USED FOR ESTIMATES OF VISIBILITY.

Standard Distance.	Object	Standpoint	Actual Distance	Bearing.	Standard Distance.	Object.	Standpoint.	Actual Distance	Bearing.
A 27 yds.					G 1¼ mile.				
B 55 yds.					H 2½ miles.				
C 110 yds.					I 4¼ miles.				
D 220 yds.					J 6¼ miles.				
E 550 yds.					K 12½ miles.				
F 1100 yds.					L 18½ miles.				
					M 31¼ miles.				

With the exception of the "Actual Distance" the details of this schedule need not be filled in each month. They should all appear in the January Return. The letter corresponding with the most distant of the named objects, visible at the time of observation, is to be entered in the Register. When the object A cannot be seen the appropriate entry is X.

BEAUFORT LETTERS, INTERNATIONAL SYMBOLS AND CODE FOR STATE OF THE GROUND.

b	Blue sky.	Cloud amount	1, 2 or 3
bc	Detached cloud.	,, ,,	4, 5 or 6
c	,, ,, ,,	,,	7 or 8
o	Overcast sky.	,, ,,	9 or 10
g	Gloom.		
u	Ugly, threatening sky.		
e	Wet air, without rain falling.		
y	Dry air (less than 60 % humidity).		
f	≡ Fog	Range of Visibility less than 1100 yards.	
fe	≡: Wet Fog	Range of Visibility less than 1100 yards.	
z	∞ Haze	Range of Visibility 1100 yards or more.	
m	≡° Mist	Range of Visibility 1100 yards or more.	
v	◊ Unusual Visibility of distant objects.		

r	●	Rain.
p		Passing showers.
d	●°	Drizzle.
s	✳	Snow.
	←	Ice crystals in the air.†
rs		Sleet, *i.e.*, rain and snow together.
	△	Soft hail.
h	▲	Hail.
t	T	Thunder.
l	↯	Lightning.
		Thunderstorm.

w		Dew.
x		Hoar frost.
	V	Rime.
	~	Glazed frost.
		Snow lying.*
		Drift-snow.†
	↗	Gale.
q		Squalls.
kq		Line squall.

	Solar corona.
	Solar halo.
	Lunar corona.
	Lunar halo.
	Rainbow.
	Aurora.
	Zodiacal light.
	Mirage.

State of the Ground.

0 = Dry ground.
1 = Wet ground.
2 = Soft (muddy) wet ground.
3 = Bare ground frozen (but less than 2-in. deep).
4 = Bare ground frozen (but more than 2-in. deep).
5 = Dew (or wet grass but not wet ground).
6 = Skating to-day in 1300 & 1800 reports (Hoar frost in 0100 and 0700 reports).
7 = Snow (thin layer, often not continuous)
8 = Snow (deep, impeding traffic, usually a continuous layer).
9 = Glazed roads (ice on roads from frozen rain or melted snow).

* More than half the country in sight covered with snow.

† *See* Form 3100 (*new edition*) p. 9.

Exponents 0 and 2 applied to the international symbols indicate respectively light and heavy. **Capital letters are used to denote intensity, and repetition of letters to denote continuity, thus**:—H or ▲² indicates heavy hail, ●° light rain, ≡° slight fog or mist, RR=continuous heavy rain.

Temperature. Max. and Min. temperatures are to be given to the nearest whole degree. When the maximum and minimum thermometers are read and set in the morning, the reading of the maximum thermometer must be entered to the previous day, that of the minimum to the day of reading. The highest and lowest maximum and the highest and lowest minimum should be underlined. The grass minimum should be read at 9 h. It should be taken in during the day and put out in the late afternoon.

Rainfall. If measured in the morning enter to the previous day in column 22. If millimetres are used give the amounts in whole millimetres and tenths. The numerals engraved on the measuring glass represent whole millimetres. The figures before and after the decimal point should both be entered even if one or other is a "0," thus 6·0, 0·6, 0·1, 26·0. If inches are used and the amount collected is less than ·10 inch always insert the decimal point and the first "0" to avoid ambiguity, thus "·07," etc. If the gauge is dry enter a dash, thus ——. If rain or dew has been collected but the amount is not measurable enter the word "trace."

(*253) Wt. 9820—9150. 2,000. 9/23. T. S. 122.

Meteorological Observations at International College

County Smyrna, Turkey **Month** July 1931

Hour of Observation: I. = 8 h. 0 m. Clock Time = h. m. Greenwich Time.

Standard of Time in Remarks Column is _____

Heights above M.S.L. Barometer Cistern 240 feet. Rain Gauge Site 2 " 10 e

Latitude 38° 26 Longitude 19° 9' 0 E

Heights above Ground Rim of Rain Gauge 88 inches. Thermometers ... 4 feet. Sunshine Recorder " Vane or Cups of Anemometer ... 88 "

Attached Thermometer and Barometer as read.* I. (1)	(2) in. or mb.	Day.	Air Pressure at Mean Sea Level in millibars I. (3) mb.	Temperature (Degrees F.). In Screen. Dry. I. (4) °	Wet. I. (5) °	Max. Whole degrees. (6) °	Min. Whole degrees. (7) °	Min. on Grass. Whole degrees. (8) °	Max. in Sun. Black Bulb in vacuo. Whole degrees. (9) °	In Ground. 1 foot. (10) °	4 foot. (11) °	Relative Humidity. I. (12) %	Wind, Beaufort Scale. I. Direction. (13)	Force. (14)	Weather†† Since Midnight. (15)	At time of Observation. (16)	To Midnight. (17)	Visibility. I. (18)	Cloud Amount. I. (19)	Form. I. (20)	Direction whence coming I. (21)	Amount of Rain. Measured next morning. (22) mm. or in.	State of the Ground. (23)	Sunshine Duration. (Hours and tenths.) (24) hr.	REMARKS. (For the 24 hours ending at midnight.) Enter here brief general remarks and such particulars as the time of occurrence and duration of various phenomena especially those set out in the "Weather" Summary below. The last column on the form should be reserved for the International Symbols. The symbol for rain need not be entered however. The symbol ⊠ in this column indicates snow lying at the morning observation. (25)	Symbols (vide reverse). (26)
76	29.89	1		23	22	89	66					91	—	—											5 ci	
78	29.89	2		24	23	90	63					91	N	2												
79	29.79	3		25	24	94	55					91	N	2												
79	29.79	4		24	23	94	46					91	Nw	1												
78	29.79	5		23	23	90	55					100	Nw	2												
79	29.79	6		21	20	97	50					91	N	2												
80	29.84	7		20	20	94	45					100	E	2												
80	29.80	8		26	25	95	49					92	Nw	2												
80	29.75	9		24	23	96	48					91	Nw	1												
82	29.78	10		26	24	97	50					84	—	—												
83	29.78	11		27	26	98	48					92	Nw	2												
83	29.76	12		25	23	100	49					84	N	1											Night before, very strong storm	
82	29.76	13		26	23	99	52					76	Nw	2												
82	29.80	14		~~25~~ 25	~~49~~ 23	95	49					84	N	1												
81	29.80	15		26½	23½	95	49					76	Nw	1												
82	29.81	16		25½	23½	96	51					84	Nw	1												
82	29.80	17		26	24	100	52					84	—	—												
83	29.62	18		26	23½	100	55					75	—	—												
84	29.64	19		27	25	100	57					84	N	2											6 ci	
83	29.66	20		27	24½	96	52					76	Nw	1												
82	29.66	21		26	24	95	56					84	—	—												
82	29.67	22		25	24	95	53					92	—	—												
83	29.68	23		26	24½	97	54					85	—	—												
84	29.71	24		26	24½	92	48					85	Nw	2											2 cu.	
81	29.66	25		25	23	92	47					84	—	—												
83	29.69	26		27	25	99	48					84	Nw	2												
84	29.65	27		27	25	98	51					84	—	—												
83	29.66	28		28	25	99	51					77	—	—												
85	29.70	29		26	24	98	52					84	—	—												
84	29.71	30		25	24	92	51					92	—	—												
82	29.72	31		24½	27½	91	47					90	Nw	2											1 cu.	
2529	922.03	Sums		782.5	738.5	2961	1503					2680														
81.5	29.68	Means		25.2	23.6	95.5	51.5					86.4														

Instrumental Corrections to Temperature† ...

Corrected Mean Temperatures ...

Extremes.

Temperature **Highest Max.** (Column 6) _____ on _____.

Lowest Min. (Column 7) _____ on _____.

Lowest Max. (Column 6) _____ on _____.

Highest Min. (Column 7) _____ on _____.

Grass Minimum. Lowest _____ on _____.

Pressure at M.S.L. ... Highest _____ on _____.

Lowest _____ on _____.

Rainfall **Greatest Fall in a day** _____ mm. on _____.

Wind. No. of Obsns.		For use at M.O.
Forces 8–12.		
Forces 4–7.		
Forces 1–3.	19	
Calm.	12	
N. 6	NNE.	
NE.	ENE.	
E. 1	ESE.	
SE. —	SSE.	
S. —	SSW.	
SW. —	WSW.	
W. —	WNW.	
NW. 12	NNW.	

Weather.	No. of days.
Precipitation ·01 in. or 0·2 mm. or more	
" ·04 in. or 1·0 mm. or more	
Snow or Sleet ✱ ✱ ...	
Snow lying (at obsn. hour) ⊠	
Hail ▲ or △	
Thunder heard ⊤	
Fog‡ (at obsn. hour) ...	
Ground Frost**	
Gale (Force 8 or more) ...	

VISIBILITY: CLOUD: STATE OF GROUND.
Number of Cases of—

	X	A	B	C	D	E	F	G	H	I	J	K	L	M

Cloud Amount.					State of Ground.									
0	1–3	4–6	7–9	10	0	1	2	3	4	5	6	7	8	9

NOTE.—The way temperature corrections are dealt with is to be shown at the foot of columns 4—11.

(Signed) M. Uhri *Observer.*

This Register should be forwarded in the envelope provided, immediately after the end of the month to—
THE DIRECTOR,
METEOROLOGICAL OFFICE (M.O.),
LONDON, S.W.7, or EDINBURGH.

[P.T.O. for instructions about Temperature and Rainfall.]

† If corrections have been applied to individual readings insert a tick (✓).
If no corrections are necessary insert a dash (—).
If the mean is to be corrected insert the correction.

* If the corrected values are entered daily in column 3, observers at stations below 400 feet altitude above M.S.L. need not fill up columns 1 and 2.

** Temperature on the Grass 30·4° F. or below.
‡ Range of visibility less than 1100 yards.
†† See note re Capital Letter on p. 1.

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER Muhtar Şerif

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** Sept. 19 31

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. feet

Height of rim of Rain Gauge, above mean sea level 88 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	29.89	78	90	43					1	N.	100							
2	29.89	74	86	42					1	N.	91							
3	29.78	77	91	42					—	—	91							
4	29.89	78	91	41					—	—	91							
5	29.87	77	90	49					1	N.	100							
6	29.88	78	91	43					—	—	91							
7	29.89	81	95	41					1	N.	100							
8	29.79	79	95	42					1	N.	91							
9	29.79	79	85	41					1	N.W.	100							
10	29.77	81	87	43					—	—	82							
11	29.99	80	88	40					1	N.	100							
12	29.99	78	89	45					1	N.W.	82							
13	29.99	80	95	42					—	—	91							
14	29.89	74	100	41					—	—	100							
15	29.89	78	95	43					1	N.	91							
16	30.09	84	94	41					—	—	100							
17	30.07	83	87	42					1	N.W.	100							
18	29.89	79	85	40					—	—	91							
19	29.89	77	86	41					—	—	90							
20	29.89	78	84	40					—	—	100							
21	29.89	76	83	36					—	—	100							
22	29.79	77	78	35					—	—	100							7 Cu.
23	29.79	70	77	33	.29				—	—	83							6 Cu.
24	29.79	74	79	32	.25				—	—	91							3 Ci.
25	29.98	74	75	35					—	—	91							7 Cu.
26	29.98	71	70	34					—	—	100							2 Ci.
27	29.99	66	72	31	.08				2	S.W.	91							4 Ci.
28	30.19	65	73	32					2	N.	87							
29	30.11	66	71	31					—	—	81							
30	29.99	69	72	(30)?	.075				2	N.	78							
31																		
Totals	897.52	2271	2554	1169	.695						2784							
Averages											92.8							

INSTRUMENTS IN USE

Barometer (*Mercurial*)

Thermometers, Max and Min.

Rain Recorder (*Electrical*)

Anemometer—Robinson principle

do —Dines or Lander principle

Hygrometer

Seismoscope

Seismograph, Heavy pendulum principle

MONTHLY

SUMMARY WITH COMPARISONS

		19	Day	19
Barometer	Max.	30.19	28	
"	Min.	29.77	10	
"	Average	29.98		
Thermometer	Max.	84	16	
"	Min.	66	29	
"	Average	75		
Rainfall in inches				
" "	(Highest daily)	.29		
No of Earthquakes Tremors etc.				
Wind Velocity, Max		2		

Directions

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

Prevailing Winds N.

SPECIAL REMARKS Lunar eclipse on 26

SECRETARY

1

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER Mukhtar Seif.

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** October **19** 31

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. feet

Height of rim of Rain Gauge, above mean sea level 88 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	29.88	63	65	35					2	M.	78							4 St.
2	29.93	63	70	35					1	NE.	68							
3	29.98	64	71	51					2	NE.	67							
4	29.96	63	72	48					1	N.	68							6 St.
5	29.97	64	73	46					2	N.	80							10 Mist.
6	30.03	65	73	45					2	NE.	78							
7	30.02	65	74	43					1	N	76							
8	29.97	62	77	43				—	—		100							
9	30.00	62	75	42				—	—		66							
10	30.04	64	70	42					1	N	77							
11	29.98	66	80	42					2	N	56							
12	29.96	65	81	43					1	N	78							
13	29.96	66	75	42							90							
14	29.95	69	78	42					—	—	92							3 Cum.
15	29.90	66	77	42					1	N	90							4 Cum.
16	29.94	66	82	42					1	NE.	90							8 Cum. Cir.
17	29.97	69	84	42					1	S	81							6 Cum. Cir.
18	29.95	71	81	42					—	—	72							5 Cum.
19	29.90	70	85	42	1.				1	NE	80							10 Mist.
20	29.96	69	75	42					—	—	93							8 Cum. Mist.
21	29.96	65	74	40					—	—	85							
22	30.00	65	74	39					—	—	90							
23	30.02	66	75	39					—	—	94							
24	29.95	65	76	39					—	—	90							
25	29.96	65	75	39					1	S	79							5 Cum. Cir.
26	29.95	65	85	39					—	—	68							
27	29.96	65	86	39					—	—	79							
28	29.95	65	87	39						—	90							
29	29.99	69	90	39					—	—	79							
30	30.01	71	85	39					—	—	81							
31	29.98	68	82	39					—	—	71							
Totals	925.10	2038	2409	1275							2502							
Averages	29.86	67	77	42							80.6							

SPECIAL REMARKS

SECRETARY

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	Day	19
Barometer	Max.	30.09	10	
"	Min.	29.90	17	
"	Average			
Thermometer	Max.	74	10	
"	Min.	62	8	
"	Average			
Rainfall in inches		1.		
" "	(Highest daily)	1.		
No of Earthquakes Tremors etc.				
Wind Velocity, Max				

Directions

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

Prevailing Winds N.

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER Muhtar Şerif

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** November **19** 31

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. feet

Height of rim of Rain Gauge, above mean sea level 88 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.~~ 8 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	68	73	39					2	N								4 Cu. Ci.
2	30.26	62	72	39					1	N								—
3	30.30	61	71	39					2	N								—
4	30.32	58	70	36					2	N								—
5	30.12	62	69	32					1	N.E.								—
6	30.09	62	66	32					2	N.								—
7	29.94	64	65	36					1	N.								—
8	29.98	66	65	36					1	S.								6 Cir.
9	30.00	65	65	35					—	—								8 Cu. Cir.
10	30.02	75	71	32					—	—								9 Cu. Cir.
11	29.95	66	72	32					1	S								7 Cu. Cir.
12	29.95	71	75	32					—	—								9 Mirk.
13	30.07	67	74	34					—	—								—
14	30.04	69	75	34					—	—								—
15	29.84	69	70	34	.06				1	S								—
16	29.85	68	75	34					—	—								8 Cu. Cir.
17	30.04	68	71	34					—									—
18	30.05	67	71	31½					1	N								5 Cu. Cir.
19	29.87	67	72	33½	.67				—	—								10 Mirk.
20	29.99	64	70	33½					—	—								10 Mirk.
21	29.99	59	60	33					2	N.E.								10 Cir.
22	30.09	61	54	33					2	N.								—
23	30.00	59	55	33					2	N.								9 Cu. Cir.
24	30.00	58	52	33					1	N.								4 Cu. St.
25	29.98	57	51	33					1	N.E.								3 Cir. St.
26	30.02	56	50	32					2	N.E.								2 Cu. Cir.
27	30.06	55	50	32½					2	N.								—
28	30.07	51	54	29					—	—								—
29	30.00	59	60	29	.33				—	—								9 Mirk.
30	29.84	62	62	33	1.28				2	S								10 Mirk.
31																		
Totals	900.65	1886	1965	1005	2.39													
Averages	30.02	63.2	65.5	33.6														

SPECIAL REMARKS Earthquake at 6 A.M.

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	Day	19
Barometer	Max.	30.32	4	
"	Min.	29.84		
"	Average			
Thermometer	Max.	75		
"	Min.	50		
"	Average			
Rainfall in inches				
" "	(Highest daily)			
No of Earthquakes Tremors etc.				
Wind Velocity, Max				

Directions

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

Prevailing Winds N.

SECRETARY

METEOROLOGICAL OBSERVATIONS

AT

INTERNATIONAL COLLEGE

SMYRNA. TURKEY

OBSERVER_____

METEOROLOGICAL OBSERVATIONS taken at the INTERNATIONAL COLLEGE **SMYRNA, TURKEY during** December **19** 31

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 2 40 feet

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

Height of rim of Rain Gauge, above mean sea level 88 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	29.80	65	62	36	.28			2	M.E.		98							—
2	29.94	67	62	33				2	M.E.		100							—
3	〃 97	61	50	31				3	M.		50							—
4	30.00	62	49	31				2	M.E.									—
5	29.94	64	48	33				1	M.									—
6	〃 .98	68	50	32				1	S		83							—
7	30.20	64	61	32				—	—									hoar-frost
8	30.20	63	58	33				—	—		93							— & earthquake at 6.10 P.M.
9	30.10	65	57	39	.16			—	—		100							earthquake 11.30 P.M.
10	30.00	64	65	37	.12			—	—		37							
11	29.60	63	80	47	.11			6	S		89							earthquake at 10.00 A.M.
12	29.64	65	70	54	.36			2	S		98							〃 〃 6.30 P.M.
13	30.00	61	55	49				—	—		73							— frost
14	29.54	63	50	43	.42			1	M.E.		73							—
15	29.77	60	50	40				3	M.		68							— hoar-frost
16	29.00	61	55	29				—	—									
17	29.88	58	53	33	.4			1	E		84							
18	29.98	58	50	37	.13			—	—		100							hoar frost
19	31.00	55	46	31	.17			1	E.		100							
20	30.00	58	55	52	.06			—	—		100							mist
21	30.18	59	54	33	.13			—	—		100							—
22	30.20	57	51	33				—	—		85							—
23	30.30	61	45	33				—	—									—
24	30.40	62	46	31				—	—									—
25	30.49	63	50	22				—	—									—
26	30.39	62	55	23				—	—									—
27	30.29	63	58	25				—	—		50							—
28	3039	64	56	35				1	S		71							—
29	30.50	61	56	42				5	S		54							—
30	29.80	59	60	22				1	S		77							—
31	29.99	62	62	25	1.51			2	M		89							earthquake at 4.00 P.M.
Totals	917.37	1918	1719	1056														
Averages	29.60	60.1	55	34														

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	Day	19
Barometer	Max.	31.00	19	
"	Min.	29.54	14	
"	Average	30.21		
Thermometer	Max.	~~68~~ 80	6	
"	Min.	~~50~~ 25	18	
"	Average	61.5		
Rainfall in inches		1.51		
" "	(Highest daily)			
No of Earthquakes Tremors etc.		5		
Wind Velocity, Max				

Directions

N.	3
N. E.	4
E.	2
S. E.	
S.	6
S. W.	
W.	
N. W.	

Prevailing Winds south

SPECIAL REMARKS

SECRETARY