

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl. Edinburgh County of Edinburgh, in Lat. 55° 55', Long. 2° 12', Distance from Sea 2 miles.

Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19 feet.

During the MONTH of January 1891.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.		Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.	SEA.	OZONE.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Days of Month.						
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.			9 h. P.M.		9 h. A.M.		P.M.		9 h. A.M.							P.M.					
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sun-rays No.	Min. on Grass. No.	Dry bulb.	Wet bulb.		Dry bulb.	Wet bulb.	9 h. A.M.	9 h. P.M.	9 h. A.M.	9 h. P.M.	9 h. A.M.	9 h. P.M.						9 h. A.M.	9 h. P.M.				
		* No.		No.		No.	No.	No.	No.	No.	No.		No.	No.	No.	No.	No.	No.	No.	No.						No.	No.	No.	No.		
		inches.		inches.																											
	1	30.229		30.211				39.9	31.8	32.3	22.5	37.0	35.5	33.2	33.0	-01	SE	0	0	0	15	3	hst	0	0	2.95			1		
	2	30.194		30.203				39.3	33.9	35.7	23.2	35.7	35.3	38.0	37.0	—	calm	0	0	0	10	10	h	10	h	—			2		
	3	30.157		30.14				41.5	36.7	43.9	27.7	39.8	38.9	39.3	38.8	-20	calm	0	0	0	70	10	h	10	m	—			3		
	4	30.102		30.266				39.7	31.0	42.0	25.1	37.3	36.0	31.3	29.0	—	ENE 1-2	NE	0-1	17.5	10	h	0	0	—				4		
	5	30.362		30.482				36.2	28.8	45.5	22	29	27.9	32.1	30.2	—				80									5		
	6	30.540		30.464				34	27	43	21.5	30.8	29.5	28.2	28.1	—				45									6		
	7	30.297		30.046				36.8	25	52	19.2	30.8	30	26	25	-01				66									7		
	8	30.297		30.252				35	24	47	17	29	28.4	32	31	—				15									8		
	9	30.012		30.268				34	29.6	37.5	24.2	31.8	31	32	31.5	—				26									9		
	10	30.378		30.364				40	28.5	60.3	19.5	34	33	39	37.9	—				28.5									10		
	11	30.328		30.381				44.2	39.8	45	43.2	42.9	39.8	44.8	43.2	—				31.0									11		
	12	30.532		30.636				47.3	44	51.4	43.6	41	44.8	45.2	44	—				25.5									12		
	13	30.603		30.553				45.1	41	65.8	27	42.8	40.1	41	38.1	—				20.0									13		
	14	30.692		30.772				41.3	41	60	28.9	37	34	31.5	29	—				12.0									14		
	15	30.574		30.281				41.3	41	46	25.8	33.9	32	41.2	37.9	—				12.6									15		
	16	30.279		30.316				40.8	32	45	31	34.9	33.5	33	31.4	—				36									16		
	17	30.388		30.472				33	26.5	38.2	22.8	31.2	30	24.1	25	—				15									17		
	18	30.405		30.233				32	24.9	57.2	19.2	27.9	26	31	28.2	-03				18.0									18		
	19	30.098		30.286				39.5	31	67.2	22.6	33.8	32.2	39	37.2	-12				33.5									19		
	20	30.347		30.195				44.5	31	44.5	31	43	40.4	31.8	30.2	-01				30.5									20		
	21	30.273		30.254				33	27.5	60.5	23.6	28.4	27.6	33.1	32	-09				19.0									21		
	22	30.231		30.562				32	28	69.2	24	32	30.4	28.2	26.8	-07				10.0									22		
	23	30.158		30.200				46	26	78.4	20.8	43.8	41.6	41.8	39.8	—				33.0									23		
	24	30.242		30.323				42.5	33.2	55	30.2	41.4	39.8	35	33.9	—				23.0									24		
	25	30.741		30.712				44.5	34	63	30.2	39	36	44.2	42	—				35.5									25		
	26	30.670		30.510				49	43.0	70.2	33.9	44.9	41.2	47	44.2	-03				34.0									26		
	27	30.547		30.752				48	39	80.3	37	41.9	39.8	42	39.1	—				20.5									27		
	28	30.58		30.698				51	39.4	75	35	43.5	43.4	44	41.2	-05				23.0									28		
	29	30.632		30.570				48	38	69	32	43.2	40.8	41.8	39.1	-03				14.5									29		
	30	30.762		30.872				42	38.2	77	35.4	41.8	39.8	41	39.4	—				12.0									30		
	31	30.320		30.715				42.4	38.6	52	29.8	42	39.2	39.8	37.2	-08				46.5									31		
	Sums.	30.458		30.463				25.2	83.9	112.8	85.4	22.5	167.6	203.6	151.0	0.73				29											
	Means.	29.983		29.999				40.8	32.7	55.6	27.6	37.2	35.4	36.6	31.9																
	Total Corrections for Instru- mental Errors.																														
	+ Corre- ctions for Diurnal Range.																														
	"Cor- rected Means."																														
	No. of Column.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

10 Blanches Pl. Edison
April 9/91

On comparing obsns taken by inchum -
observer observing January with the -
micrograph camera the following
errors have been discovered. Mean
temp. 22° should be 37.0 days not 32.0
mean 3 maxima well now become 40.9
Dry & Wet bulbs 9 PM 25° should be
44.0 41.0 not 39.0 36.0 mean of obs.
wet 9 PM well now become 36.0 34.8
January being R. L. Mossman

NOTATION USED IN GENERAL REMARKS.					
a.	denotes aurora.	m.	denotes meteor.		
ci.	cirrus.	ms.	meteors.		
ci.-cu.	cirro-cumulus.	m.	minibus.		
ci.-s.	cirro-stratus.	r.	rain.		
cu.	cumulus.	h. r.	heavy rain.		
cu.-s.	cumulo-stratus.	c. h. r.	continued heavy rain.		
d.	dew.	s.	stratus.		
f.	fog.	sc.	scud.		
fr.	frost.	s.	sleet.		
h.-fr.	hoar-frost.	s.	snow.		
h.	haze.	so. ha.	solar halo.		
h. d.	heavy dew.	sq.	squall.		
hl.	hail.	sq.	squalls.		
l.	lightning.	t.	thunder.		
li. cl.	light clouds.	t. s.	thunder-storm.		
li. sh.	light showers.	w.	wind.		
lu. co.	lunar corona.	g.	gale of wind.		
lu. ha.	lunar halo.				

TABLE FOR ESTIMATING FORCE OF WIND.					
Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm	1.5	Light breeze	4	Blowing hard
0.5	Very light air	2	Fresh breeze	5	Blowing a gale
1	Light air	3	Very fresh	6	Violent gale

BAROMETER, "corrected Mean" at 9 A.M., <i>minus</i> the Correction $\frac{1}{11}$	=	29.985
for Temp. (Col. 2), = 29.983		
"Corrected Mean" of Barometer at 9 P.M., <i>minus</i> the Correction $\frac{1}{11}$	=	29.999
for Temp. (Col. 4), = 29.998		
Mean at Station, corrected, and at 32°,	=	29.681
Correction for height, feet above Mean Sea-level,	=	310
Mean, reduced to 32°, and Sea-level,	=	29.991
Highest Reading, corrected for Index error, on the th,	=	30.722
Lowest Do. Do., on the th,	=	29.158
Difference, or Monthly Range,	=	1.614

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the	th,	=	51.0
Lowest in Month, corrected for Index errors, on the	8 th,	=	24.0
Difference, or Monthly Range,		=	27.0
"Corrected Mean" of all the Highest, (Col. 5),		=	40.8
"Corrected Mean" of all the Lowest, (Col. 6),		=	32.7
Difference, or Mean Daily Range,		=	8.1
** Calculated Mean Temperature of Month,		=	36.8
S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the	th,	=	80.5
"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun,		=	55.6
Lowest at Night, Black Bulb (corrected for Index errors), on the	th,	=	17.0
"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass,		=	27.6
Difference of above means or range ("exposed"),		=	

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11),	=	36.9
Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12),	=	35.1
‡ Computed Temperature of Dew-Point ,	=	32.6
‡ Do. Elastic Force of Vapour ,	=	18.8
‡ Do. Weight of Vapour in a Cubic Foot of Air ,	=	2.14
‡ Relative Humidity (Saturation = 100),	=	85
RAIN fell on /2 Days; Amount in Inches,	=	0.73

[illegible]

Observations made and
Return verified by { H. C. Mossman
10 Blackett Place, E. 17th St., N. Y. C.

Greater Daily
Range
= 20.0 on the 23rd

(Signed)

R. C. Messman.

Mr. W. M. Grossman took all
the obsns after the 4, except
Baro readings by Dr. Buchan

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl. Edinburgh, County of Edinburgh, in Lat. 55° 57' N Long 3° 12' W Distance from Sea 2 miles.

Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 20 feet.

During the MONTH of *February* 1891

The Hours of Observation are of Greenwich Time.

[illegible]

BAROMETER, "corrected Mean" at 9 A.M., *minus* the Correction ††
for Temp. (Col. 2), =

"Corrected Mean" of Barometer at 9 P.M., *minus* the Correction $\frac{1}{11}$
for Temp. (Col. 4), =

Mean at Station, corrected, and at 32°,..... 30.027

Correction for height, 282 feet above Mean Sea-level..... 310

Mean, reduced to 32°, and Sea-level, = 30.337

Highest Reading, corrected for Index error, on the 4th,..... 30.662

Lowest Do. Do., on the 11 th,..... 29.791

Difference, or Monthly Range, 0.871

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 24th,..... =

Lowest in Month, corrected for Index errors, on the 27th, 275

Difference or Monthly Range 30.6

"Corrected Mean" of all the Highest, (Col. 5), 2 52.3

"Corrected Mean" of all the Lowest, (Col. 6)..... 36.44

Difference, or Mean Daily Range, = 13.9

** Calculated Mean Temperature of Month, 43.4

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for

6. Clements "Wagon" (Ctd. 5) - of Black Bull Wagon Co. 703.3
7/10

Corrected mean, (col. 1), of Black Bull, max. in Sun,	76.0
Lowest of Night Black Bull (corrected for Index errors) on the 24th	31.5

"Corrected Mean." (Col. 8). of Black Bulb. Min. on grass

Difference of above means or range ("exposed"), = 12.8

437

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11),

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12),

‡‡ Computed Temperature of Dew-Point,

Do. Elastic Force of Vapour,	22
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¶¶ Do. Weight of Vapour in a Cubic Foot of Air,

4. Relative Humidity (Saturation = 100), 11

Days, Amount in inches,

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	1	0	3	0	0	0	14	2	5	0.77	
P.M.	0	0	1	0	0	1	15	1	10	0.96	
Mean.	1	0	2	0	0	0	16	2	7	0.86	108

Each instrument tested at the office in Edinburgh bears the stamp "S.M.S.," and a number to be entered in the Heading : or the Number and Initials of the Maker may be here given.

- + Embracing corrections for both capillarity and Index Errors.
- + The Diurnal Range for Scotland is as yet unknown.

† Practically, though not absolutely a mean correction.

*** These "Hygrometrical Deductions" are calculated from Glaisher's Hygrometrical Tables, Second Edition only.*

*** While the Diurnal Range is unknown, the Arithmetical Mean of Cols. 5 and 6 will be entered as the "Calculated Mean Temperature."*

** Any observations not taken under the Conditions specified in the Directions on the other side, or noted at the Top of each column, must be marked as such by the observer, in each Schedule. See over.*

Observations made and
Return verified by

R. C. Mossman
10 Blacket Place. Edinburgh.

(Signed)

R. C. Grossman

Greatest Daily Range
= 23.0 on the 22nd

M.



SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Blacket Pl. Edin^g*, County of *Edinburgh*, in Lat *55° 57' N* Long *3° 12' W* Distance from Sea *2* miles.

Height of Cistern of the Barometer above Mean Sea-Level *276* feet, above Ground *20* feet.

During the MONTH of *March* 1891.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.				SEA.	OZONE.	GENERAL REMARKS.		Days of Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			No. of hours in which it fell.	Amount in inches.	9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max.	Min.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.				Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		* No.		No.		No.	No.	No.	No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.												No. 3 inches.	No. 12 inches.						No. 22 inches.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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BAROMETER, "corrected Mean" at 9 A.M., minus the Correction \ddagger for Temp. (Col. 2), = *29.759*
 "Corrected Mean" of Barometer at 9 P.M., minus the Correction \ddagger for Temp. (Col. 4), = *29.752*
 Mean at Station, corrected, and at 32°, = *29.454*
 Correction for height, *276* feet above Mean Sea-level, = *30.4*
 Mean, reduced to 32°, and Sea-level, = *29.758*
 Highest Reading, corrected for Index error, on the *3* th, = *30.146*
 Lowest Do. Do., on the *25* th, = *29.065*
 Difference, or Monthly Range, = *1.081*

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the *1* th, = *55.2*
 Lowest in Month, corrected for Index errors, on the *9* th, = *20.3*
 Difference, or Monthly Range, = *34.9*
 "Corrected Mean" of all the Highest, (Col. 5), = *44.4*
 "Corrected Mean" of all the Lowest, (Col. 6), = *32.0*
 Difference, or Mean Daily Range, = *12.4*
 * Calculated Mean Temperature of Month, = *38.2*
 S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the *11* th, = *115.0*
 "Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = *84.0*
 Lowest at Night, Black Bulb (corrected for Index errors), on the *9* th, = *18.5*
 "Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = *28.0*
 Difference of above means or range ("exposed"), = *56.0*

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = *36.2*
 Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = *33.8*
 Computed Temperature of Dew-Point, = *30.3*
 Do. Elastic Force of Vapour, = *170*
 Do. Weight of Vapour in a Cubic Foot of Air, = *1.94*
 Relative Humidity (Saturation = 100), = *79*
 RAIN fell on *13* Days; Amount in Inches, = *3.01*

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	8	2	1		2	1	8	7	2	<i>106</i>	
P.M.	4	1	6		1	1	10	4	4	<i>87</i>	
Mean.	6	2	3	0	2	1	9	5	3	<i>0.88</i>	<i>16.3</i>

Each instrument tested at the Office in Edinburgh bears the stamp "S.M.S." and a number to be entered in the Heading; or the Number and Initials of the Maker may be here given.
 \ddagger Embracing corrections for both capillarity and Index Errors.
 \dagger The Barometer for Scotland is as yet unknown.
 \dagger Practically, though not absolutely a minus correction.
 \dagger These "Hygrometric Deductions" are calculated from Glaisher's Hygrometric Tables, Second Edition only.
 \dagger While the Barometer is unknown, the Arithmetical Mean of Cols. 5 and 6 will be entered as the "Calculated Mean Temperature."
 Any observations not taken under the Conditions specified in the Directions on the other side, or noted at the Top of each column, must be marked as such by the observer, in each Schedule. See over.

Observations made and Return verified by *R. L. Mossman*
10 Blacket Place, Edinburgh

(Signed) *Robert. G. Mossman*

Greatest Daily Range = *21.0* on the *9* th

77

45

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl. Edinburgh Edinburgh, in Lat. 55° 55' N Long. 3° 12' W Distance from Sea 2 miles.Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19 feet.During the MONTH of April 1891.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.		SELF-REGISTERING THERMOMETERS.				HYGROMETER.				Rain.		WIND.				CLOUDS.				SUNSHINE.	THERMOMETERS under Ground.			SEA.	OZONE.		GENERAL REMARKS.	Days of Month.			
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.			9 h. A.M.				0-10.						
		No.	Barometer.	No.	Barometer.	No.	Min.	No.	Max.	No.	Min.	No.	Max.	No.	Min.	No.	Max.	No.	Min.	No.	Max.	No.	Min.	No.	Max.	No.	Min.	No.					
			inches.		inches.																												
	1		29.932		29.827		49.2	26.6	102.1	22.6	33.1	31.4	37.6	35.3																Thick haze in morn. Aurora 5 N	1		
	2		801		834		40.2	34.3	54.1	32.0	37.3	36.0	35.3	34.1																do-haz 8.25 A. dr. at times. Heavy dew in P.	2		
	3		808		751		40.0	31.8	76.8	28.6	36.0	32.3	37.5	35.5																		3	
	4		682		686		42.5	37.5	59.4	36.5	40.2	38.7	39.3	37.5																	dr. at times	4	
	5		671		722		40.1	36.7	46.9	36.1	39.5	37.6	37.5	36.4																	r. at times	5	
	6		800		911		38.8	35.3	46.3	34.3	38.0	37.3	35.8	34.7																	dr. at times.	6	
	7		996		30.121		46.4	34.7	112.1	32.3	37.0	33.4	37.5	34.2																	Flight on the	7	
	8		30.130		195		48.5	33.7	106.9	28.8	39.0	36.4	39.2	38.0																	Equally sh. at times	8	
	9		225		270		43.5	37.7	64.5	36.4	41.0	38.4	39.2	37.8																	Aurora 3	9	
	10		262		227		52.2	37.6	102.2	33.8	42.0	39.3	39.0	37.3																	Dew at night	10	
	11		236		279		52.9	35.1	107.3	31.0	44.3	40.4	37.7	36.1																	Dew at night	11	
	12		282		166		46.9	33.1	67.1	28.0	42.0	39.7	36.7	35.9																	Dew in morn	12	
	13		100		152		50.0	33.2	103.0	28.8	41.0	37.8	37.1	35.0																		13	
	14		190		128		54.2	31.4	102.0	27.3	37.8	37.5	44.2	40.9																		14	
	15		092		071		54.1	33.0	102.0	27.2	43.9	41.0	43.2	40.0																		15	
	16		29.908		087		56.0	38.0	109.0	30.0	47.0	44.5	41.0	37.0																		16	
	17		30.179		199		53.0	34.0	106.5	28.6	48.0	43.0	39.2	36.0																		17	
	18		228		268		55.8	36.6	118.9	30.9	57.8	48.2	40.0	37.0																		Lunar-crown. Heavy dew	18
	19		298		354		58.4	36.0	107.3	29.5	45.2	41.4	38.3	36.5																	Hazy	19	
	20		421		424		51.5	33.9	105.3	28.9	38.5	35.2	39.0	36.1																		20	
	21		429		368		50.7	31.8	114.3	26.6	41.1	38.6	38.0	36.7																	Heavy dew in morn	21	
	22		325		328		48.8	36.5	107.3	31.2	43.0	40.4	41.7	39.2																	Heavy hail sh. 3 A	22	
	23		341		346		57.5	40.3	111.6	39.5	42.1	40.0	41.5	39.7																		23	
	24		347		297		53.3	40.0	110.3	38.5	43.3	38.1	42.3	40.0																	Very hazy to N.P.	24	
	25		242		087		57.2	40.5	108.2	37.6	44.0	40.8	43.0	38.2																	Very hazy	25	
	26		004		29.883		54.0	36.0	117.1	27.9	48.2	41.9	44.0	38.8																		26	
	27		29.790		605		57.7	33.1	98.4	26.6	45.3	39.5	46.0	40.6																		27	
	28		524		625		52.5	39.0	108.5	35.1	45.3	38.0	44.4	36.1																		28	
	29		582		431		50.0	36.8	91.6	34.0	46.0	40.0	43.0	41.5																	Flight r. sh. in afternoon	29	
	30		468		467		60.8	41.0	115.1	38.7	57.8	47.1	50.1	46.9																	Showerly after 9 P.	30	
	31																																31
Sums.			1293		1109		477	1652	2878	418	724	2739	83	2312		0.29		22.5		193	9252	218	209		132.05								
Means.			30.043		30.037		50.2	35.5	96.0	31.6	42.6	39.1	40.3	37.7																			
+ Total Corrections for Instrumental Errors.																																	
+ Corrections for Diurnal Range.																																	
"Corrected Means."			30.043		30.037		50.2	35.5	96.0	31.6	42.6	39.1	40.3	37.7																			
No. of Column.			1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction \ddagger for Temp. (Col. 2), ="Corrected Mean" of Barometer at 9 P.M., minus the Correction \ddagger for Temp. (Col. 4), =

Mean at Station, corrected, and at 32°, = 29.736

Correction for height, 276 feet above Mean Sea-level, = 30.4

Mean, reduced to 32°, and Sea-level, = 30.040

Highest Reading, corrected for Index error, on the 21th, = 30.429Lowest Do. Do., on the 29th, = 29.431

Difference, or Monthly Range, = 0.998

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 30th, = 60.8Lowest in Month, corrected for Index errors, on the 1st, = 26.6

Difference, or Monthly Range, = 34.2

"Corrected Mean" of all the Highest, (Col. 5), = 50.2

"Corrected Mean" of all the Lowest, (Col. 6), = 35.5

Difference, or Mean Daily Range, = 14.7

** Calculated Mean Temperature of Month, = 42.8

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 18th, = 118.9

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 96.0

Lowest at Night, Black Bulb (corrected for Index errors), on the 1st, = 22.6

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 31.6

Difference of above means or range ("exposed"), = 64.4

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 41.4

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 38.4

†† Computed Temperature of Dew-Point, = 34.7

†† Do. Elastic Force of Vapour, = 0.201

†† Do. Weight of Vapour in a Cubic Foot of Air, = 234

†† Relative Humidity (Saturation = 100), = 78%

RAIN fell on 11 Days; Amount in Inches, = 0.29

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.		3	3	11	2	3		3	3	2	0.75
P.M.		2	11	2	1			5	2	7	0.65
Mean.		2	2	11	2	2	0	4	3	4	0.70

Total bright sunshine recorded. 132 hours

Observations made and
Return verified byR. L. Mossman
10 Blacket Pl. Edinburgh

(Signed)

Robert E. Mossman.

Greatest Daily Range
= 24.6 on the 27th

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Blackfriars Edinburgh* County of *Edinburgh*, in Lat *55° 51' N* Long *3° 12' W* Distance from Sea *2* miles.Height of Cistern of the Barometer above Mean Sea-Level *276* feet, above Ground *20* feet.During the MONTH of *May* 18*91*.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.		SELF-REGISTERING THERMOMETERS.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.			SEA.	OZONE.	GENERAL REMARKS.		Days of Month.	
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.				9 h. P.M.				9 A.M.		P.M.									
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	No. of hours in which it fell.	Direction.	Force.	Direction.	Force.	Velocity (0-10) and Direction.	Amount (0-10) and Direction.	Velocity (0-10) and Direction.	Amount (0-10) and Direction.	9 h. A.M.	12 h.	3 h.	Temperature of Well at depth of feet, No.	Temperature at 1 fathom and Density.	0-10.	As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc.		
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	
		<i>29.235</i>	<i>29.187</i>	<i>29.235</i>	<i>29.187</i>	<i>58.3</i>	<i>46.0</i>	<i>112.8</i>	<i>48.3</i>	<i>52.8</i>	<i>49.0</i>	<i>46.7</i>	<i>45.2</i>	<i>37</i>	<i>SW</i>	<i>1-2</i>	<i>WSW</i>	<i>1-2</i>	<i>180</i>	<i>10</i>	<i>cum</i>	<i>10</i>	<i>min</i>	<i>1.33</i>			<i>Heavy r. all afternoon. Hl. at 1.30 P.</i>	<i>2</i>	
		<i>446</i>	<i>459</i>	<i>446</i>	<i>459</i>	<i>50.7</i>	<i>37.3</i>	<i>113.7</i>	<i>36.9</i>	<i>43.0</i>	<i>40.7</i>	<i>40.3</i>	<i>39.4</i>	<i>4.8</i>	<i>NNW</i>	<i>0</i>	<i>calm</i>	<i>0</i>	<i>125</i>	<i>10</i>	<i>inc</i>	<i>10</i>	<i>min</i>	<i>1.27</i>			<i>Heavy r. hail at 4.15 P.</i>	<i>3</i>	
		<i>696</i>	<i>730</i>	<i>696</i>	<i>730</i>	<i>51.3</i>	<i>36.2</i>	<i>105.1</i>	<i>33.1</i>	<i>43.0</i>	<i>41.8</i>	<i>44.1</i>	<i>41.9</i>		<i>W</i>	<i>1-2</i>	<i>W</i>	<i>0</i>	<i>94</i>	<i>10</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>1.53</i>			<i>Hail at 5.0. Dew at night</i>	<i>4</i>	
		<i>899</i>	<i>908</i>	<i>899</i>	<i>908</i>	<i>56.1</i>	<i>36.3</i>	<i>99.2</i>	<i>32.3</i>	<i>43.0</i>	<i>41.7</i>	<i>47.0</i>	<i>44.4</i>		<i>NNW</i>	<i>0</i>	<i>calm</i>	<i>0</i>	<i>27</i>	<i>0</i>	<i>0</i>	<i>3</i>	<i>cum</i>	<i>6.50</i>			<i>Hail at 5.0. Dew at night</i>	<i>5</i>	
		<i>30.133</i>	<i>116</i>	<i>30.133</i>	<i>116</i>	<i>59.3</i>	<i>36.4</i>	<i>100.3</i>	<i>29.5</i>	<i>48.1</i>	<i>44.5</i>	<i>50.0</i>	<i>45.5</i>		<i>S</i>	<i>0</i>	<i>S</i>	<i>0</i>	<i>34</i>	<i>3</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>4.45</i>			<i>Heavy dew in morning</i>	<i>6</i>	
		<i>119</i>	<i>051</i>	<i>119</i>	<i>051</i>	<i>59.5</i>	<i>44.0</i>	<i>108.7</i>	<i>40.9</i>	<i>47.5</i>	<i>43.5</i>	<i>50.9</i>	<i>45.8</i>		<i>SE</i>	<i>0</i>	<i>NW</i>	<i>0</i>	<i>26</i>	<i>10</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>2.47</i>			<i>Heavy dew</i>	<i>7</i>	
		<i>29.956</i>	<i>29.653</i>	<i>29.956</i>	<i>29.653</i>	<i>58.5</i>	<i>45.3</i>	<i>108.0</i>	<i>43.9</i>	<i>46.8</i>	<i>43.2</i>	<i>47.6</i>	<i>44.8</i>		<i>calm</i>	<i>0</i>	<i>E</i>	<i>0</i>	<i>37</i>	<i>10</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>0.50</i>			<i>Heavy dew</i>	<i>8</i>	
		<i>628</i>	<i>849</i>	<i>628</i>	<i>849</i>	<i>49.9</i>	<i>40.8</i>	<i>56.9</i>	<i>40.6</i>	<i>44.5</i>	<i>43.7</i>	<i>43.4</i>	<i>43.3</i>		<i>E</i>	<i>1-2</i>	<i>ENE</i>	<i>0</i>	<i>101</i>	<i>10</i>	<i>cum</i>	<i>10</i>	<i>min</i>				<i>Heavy dew</i>	<i>9</i>	
		<i>30.025</i>	<i>30.105</i>	<i>30.025</i>	<i>30.105</i>	<i>54.5</i>	<i>43.0</i>	<i>109.9</i>	<i>40.0</i>	<i>48.0</i>	<i>46.5</i>	<i>44.3</i>	<i>42.7</i>		<i>NE</i>	<i>1-2</i>	<i>ENE</i>	<i>1</i>	<i>32</i>	<i>10</i>	<i>cum</i>	<i>7</i>	<i>cum</i>	<i>0.50</i>			<i>Heavy dew</i>	<i>10</i>	
		<i>138</i>	<i>170</i>	<i>138</i>	<i>170</i>	<i>56.2</i>	<i>39.7</i>	<i>113.2</i>	<i>32.5</i>	<i>50.3</i>	<i>46.7</i>	<i>44.3</i>	<i>43.5</i>		<i>E</i>	<i>1-2</i>	<i>ENE</i>	<i>0</i>	<i>87</i>	<i>0</i>	<i>0</i>	<i>4</i>	<i>head</i>	<i>1.80</i>			<i>Heavy dew</i>	<i>11</i>	
		<i>238</i>	<i>327</i>	<i>238</i>	<i>327</i>	<i>60.2</i>	<i>41.0</i>	<i>113.9</i>	<i>33.7</i>	<i>52.5</i>	<i>46.6</i>	<i>44.0</i>	<i>44.2</i>		<i>E</i>	<i>1</i>	<i>E</i>	<i>0</i>	<i>45</i>	<i>10</i>	<i>cum</i>	<i>0</i>	<i>0</i>	<i>4.94</i>			<i>Heavy dew</i>	<i>12</i>	
		<i>283</i>	<i>236</i>	<i>283</i>	<i>236</i>	<i>73.1</i>	<i>40.7</i>	<i>110.9</i>	<i>34.1</i>	<i>59.0</i>	<i>53.1</i>	<i>58.3</i>	<i>57.5</i>		<i>E</i>	<i>0</i>	<i>NNW</i>	<i>0</i>	<i>12.1</i>	<i>0</i>	<i>0</i>	<i>9</i>	<i>cum</i>	<i>9.30</i>			<i>Heavy dew</i>	<i>13</i>	
		<i>148</i>	<i>140</i>	<i>148</i>	<i>140</i>	<i>61.5</i>	<i>48.3</i>	<i>112.8</i>	<i>45.9</i>	<i>53.3</i>	<i>52.3</i>	<i>49.8</i>	<i>47.5</i>		<i>NNW</i>	<i>1-2</i>	<i>calm</i>	<i>0</i>	<i>14.6</i>	<i>9</i>	<i>cum</i>	<i>2</i>	<i>cum</i>	<i>2.67</i>			<i>Heavy dew</i>	<i>14</i>	
		<i>003</i>	<i>29.777</i>	<i>003</i>	<i>29.777</i>	<i>55.0</i>	<i>41.8</i>	<i>106.4</i>	<i>38.1</i>	<i>50.7</i>	<i>45.0</i>	<i>42.7</i>	<i>38.7</i>		<i>02</i>	<i>NNW</i>	<i>2</i>	<i>NW</i>	<i>2-3</i>	<i>30.2</i>	<i>10</i>	<i>cum</i>	<i>0</i>	<i>0</i>	<i>5.94</i>			<i>Heavy dew</i>	<i>15</i>
		<i>29.483</i>	<i>733</i>	<i>29.483</i>	<i>733</i>	<i>57.0</i>	<i>38.3</i>	<i>95.8</i>	<i>35.0</i>	<i>48.3</i>	<i>42.7</i>	<i>41.1</i>	<i>37.3</i>		<i>02</i>	<i>NNW</i>	<i>1</i>	<i>N</i>	<i>0</i>	<i>96</i>	<i>10</i>	<i>cum</i>	<i>3</i>	<i>cum</i>	<i>2.88</i>			<i>Heavy dew</i>	<i>16</i>
		<i>803</i>	<i>762</i>	<i>803</i>	<i>762</i>	<i>48.5</i>	<i>35.1</i>	<i>112.9</i>	<i>31.8</i>	<i>43.2</i>	<i>36.0</i>	<i>39.5</i>	<i>34.0</i>		<i>N</i>	<i>1-2</i>	<i>N</i>	<i>0</i>	<i>70</i>	<i>9</i>	<i>cum</i>	<i>2</i>	<i>cum</i>	<i>6.41</i>			<i>Heavy dew</i>	<i>17</i>	
		<i>571</i>	<i>470</i>	<i>571</i>	<i>470</i>	<i>52.0</i>	<i>31.0</i>	<i>108.0</i>	<i>27.7</i>	<i>40.0</i>	<i>35.1</i>	<i>39.4</i>	<i>36.0</i>		<i>N</i>	<i>0</i>	<i>NNW</i>	<i>0</i>	<i>45</i>	<i>6</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>8.05</i>			<i>Heavy dew</i>	<i>18</i>	
		<i>453</i>	<i>571</i>	<i>453</i>	<i>571</i>	<i>53.3</i>	<i>27.8</i>	<i>109.3</i>	<i>25.1</i>	<i>43.1</i>	<i>40.0</i>	<i>40.1</i>	<i>35.5</i>		<i>NNW</i>	<i>1</i>	<i>N</i>	<i>0</i>	<i>54</i>	<i>6</i>	<i>cum</i>	<i>8</i>	<i>cum</i>	<i>0.22</i>			<i>Heavy dew</i>	<i>19</i>	
		<i>457</i>	<i>600</i>	<i>457</i>	<i>600</i>	<i>56.5</i>	<i>37.0</i>	<i>112.2</i>	<i>32.5</i>	<i>46.0</i>	<i>40.1</i>	<i>47.0</i>	<i>41.2</i>		<i>N</i>	<i>0</i>	<i>N</i>	<i>0</i>	<i>23</i>	<i>10</i>	<i>cum</i>	<i>4</i>	<i>cum</i>	<i>2.65</i>			<i>Heavy dew</i>	<i>20</i>	
		<i>635</i>	<i>636</i>	<i>635</i>	<i>636</i>	<i>57.3</i>	<i>38.0</i>	<i>107.9</i>	<i>33.1</i>	<i>47.6</i>	<i>42.4</i>	<i>42.0</i>	<i>40.0</i>		<i>N</i>	<i>0</i>	<i>calm</i>	<i>0</i>	<i>25</i>	<i>10</i>	<i>cum</i>	<i>0</i>	<i>0</i>	<i>3.61</i>			<i>Heavy dew</i>	<i>21</i>	
		<i>649</i>	<i>655</i>	<i>649</i>	<i>655</i>	<i>53.3</i>	<i>36.3</i>	<i>111.4</i>	<i>30.2</i>	<i>49.3</i>	<i>45.0</i>	<i>42.5</i>	<i>40.3</i>		<i>NW</i>	<i>0</i>	<i>NE</i>	<i>0</i>	<i>46</i>	<i>6</i>	<i>cum</i>	<i>0</i>	<i>0</i>	<i>9.85</i>			<i>Heavy dew</i>	<i>22</i>	
		<i>646</i>	<i>673</i>	<i>646</i>	<i>673</i>	<i>60.7</i>	<i>39.7</i>	<i>123.1</i>	<i>34.9</i>	<i>47.3</i>	<i>43.0</i>	<i>47.4</i>	<i>42.0</i>		<i>NE</i>	<i>0</i>	<i>SSE</i>	<i>0</i>	<i>18</i>	<i>9</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>3.32</i>			<i>Heavy dew</i>	<i>23</i>	
		<i>665</i>	<i>713</i>	<i>665</i>	<i>713</i>	<i>57.0</i>	<i>41.2</i>	<i>118.3</i>	<i>36.9</i>	<i>54.6</i>	<i>47.4</i>	<i>46.5</i>	<i>43.5</i>		<i>02</i>	<i>calm</i>	<i>0</i>	<i>SE</i>	<i>0</i>	<i>33</i>	<i>6</i>	<i>cum</i>	<i>3</i>	<i>cum</i>	<i>4.13</i>			<i>Heavy dew</i>	<i>24</i>
		<i>861</i>	<i>908</i>	<i>861</i>	<i>908</i>	<i>54.9</i>	<i>38.8</i>	<i>117.0</i>	<i>33.1</i>	<i>51.0</i>	<i>46.4</i>	<i>44.6</i>	<i>42.0</i>		<i>NW</i>	<i>1</i>	<i>E</i>	<i>0</i>	<i>100</i>	<i>9</i>	<i>cum</i>	<i>6</i>	<i>cum</i>	<i>10.47</i>			<i>Heavy dew</i>	<i>25</i>	
		<i>886</i>	<i>858</i>	<i>886</i>	<i>858</i>	<i>49.8</i>	<i>39.5</i>	<i>94.1</i>	<i>32.9</i>	<i>44.8</i>	<i>40.4</i>	<i>45.0</i>	<i>40.3</i>		<i>13</i>	<i>NE</i>	<i>1-2</i>	<i>ENE</i>	<i>2</i>	<i>89</i>	<i>10</i>	<i>cum</i>	<i>10</i>	<i>cum</i>	<i>0.36</i>			<i>Heavy dew</i>	<i>26</i>
		<i>757</i>	<i>684</i>	<i>757</i>	<i>684</i>	<i>49.3</i>	<i>39.5</i>	<i>87.4</i>	<i>39.9</i>	<i>43.4</i>	<i>42.4</i>	<i>43.7</i>	<i>42.9</i>		<i>28</i>	<i>NE</i>	<i>1-2</i>	<i>ENE</i>	<i>0</i>	<i>32</i>	<i>10</i>	<i>min</i>	<i>10</i>	<i>min</i>			<i>Heavy dew</i>	<i>27</i>	
		<i>562</i>	<i>555</i>	<i>562</i>	<i>555</i>	<i>52.5</i>	<i>42.1</i>	<i>109.6</i>	<i>42.9</i>	<i>45.3</i>	<i>44.7</i>	<i>46.0</i>	<i>45.1</i>		<i>10</i>	<i>NNW</i>	<i>0</i>	<i>E</i>	<i>0</i>	<i>36</i>	<i>10</i>	<i>min</i>	<i>10</i>	<i>cum</i>	<i>0.61</i>			<i>Heavy dew</i>	<i>28</i>
		<i>541</i>	<i>561</i>	<i>541</i>	<i>561</i>	<i>53.5</i>	<i>42.0</i>	<i>106.7</i>	<i>40.1</i>	<i>49.4</i>	<i>46.0</i>	<i>45.2</i>	<i>43.9</i>		<i>15</i>	<i>SE</i>	<i>0</i>	<i>E</i>	<i>0</i>	<i>23</i>	<i>10</i>	<i>cum</i>	<i>1</i>	<i>cum</i>	<i>0.05</i>			<i>Heavy dew</i>	<i>29</i>
		<i>552</i>	<i>682</i>	<i>552</i>	<i>682</i>	<i>57.8</i>	<i>42.3</i>	<i>123.2</i>	<i>40.1</i>	<i>49.8</i>	<i>46.3</i>	<i>45.0</i>	<i>41.8</i>		<i>06</i>	<i>SSE</i>	<i>0</i>	<i>calm</i>	<i>0</i>	<i>59</i>	<i>10</i>	<i>min</i>	<i>5</i>	<i>head</i>	<i>3.53</i>			<i>Heavy dew</i>	<i>30</i>
		<i>712</i>	<i>810</i>	<i>712</i>	<i>810</i>	<i>60.5</i>	<i>42.1</i>	<i>118.8</i>	<i>39.0</i>	<i>50.7</i>	<i>47.4</i>	<i>49.8</i>	<i>45.5</i>			<i>SSE</i>	<i>0</i>	<i>SW</i>	<i>0</i>	<i>30</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>5.50</i>			<i>Heavy dew</i>	<i>31</i>	
		<i>931</i>	<i>961</i>	<i>931</i>	<i>961</i>	<i>64.3</i>	<i>42.7</i>	<i>117.5</i>	<i>36.7</i>	<i>47.5</i>	<i>46.8</i>	<i>47.0</i>	<i>46.0</i>			<i>ENE</i>	<i>0</i>	<i>ENE</i>	<i>0</i>	<i>25</i>	<i>10</i>	<i>min</i>	<i>9</i>	<i>head</i>	<i>1.96</i>			<i>Heavy dew</i>	<i>32</i>
		<i>2443.9</i>	<i>2485.2</i>	<i>2443.9</i>	<i>2485.2</i>	<i>1883</i>	<i>0.5</i>	<i>334.56</i>	<i>200.1</i>	<i>2498.134</i>	<i>1702</i>	<i>75.7</i>	<i>1.91</i>	<i>225</i>	<i>10.5</i>	<i>2241</i>	<i>248</i>	<i>186</i>	<i>136.35</i>										
		<i>29.779</i>	<i>29.802</i>	<i>29.779</i>	<i>29.802</i>	<i>56.1</i>	<i>40.2</i>	<i>107.9</i>	<i>36.8</i>	<i>48.1</i>	<i>44.3</i>	<i>45.5</i>	<i>42.4</i>	<i>0.73</i>	<i>0.34</i>	<i>80</i>	<i>60</i>												

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction \ddagger for Temp. (Col. 2), = *29.486*"Corrected Mean" of Barometer at 9 P.M., minus the Correction \ddagger for Temp. (Col. 4), = *29.790*Mean at Station, corrected, and at 32°, = *29.486*
Correction for height, feet above Mean Sea-level, = *30.4*Mean, reduced to 32°, and Sea-level, = *29.790*Highest Reading, corrected for Index error, on the 1st th., = *30.327*Lowest Do. Do., on the 1st th., = *29.187*Difference, or Monthly Range, = *1.140*S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 12th, = *73.1*Lowest in Month, corrected for Index errors, on the 17th, = *31.0*Difference, or Monthly Range, = *42.1*"Corrected Mean" of all the Highest, (Col. 5), = *56.1*

"Corrected Mean" of all the Lowest

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl. Edinburgh county of Edinburgh, in Lat. 55° 57' N Long 3° 12' W Distance from Sea 2 miles.Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19 feet.During the MONTH of June 1891.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.			SEA.	OZONE.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.		Days of Month.		
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.							
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force.	Direction.	Force.	Amount (0-10), and Species.	Amount (0-10), and Species.	No. 3 inches.	No. 12 inches.	No. 22 inches.	Temperature of Water at 1 foot, No.	Temperature and Density.						9 A.M.	9 P.M.
		* No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.						No.	No.
		inches.	inches.																													
	1	30.041	30.030	50.944	107.441	46.7	46.1	46.3	46.0	—	E	0.1	ESE	0.1	66	10	mist	10	15	at station. drizzling. from Arthur's seat to base all day	1											
	2	29.972	06.1	60.743	116.137	50.8	49.2	48.4	47.4	—	ESE	1	ESE	0	101	4	cum	1	25	from Arthur's seat 8 A.M. & at anal. after 2 P.M.	2											
	3	30.097	09.1	50.143	86.043	45.7	45.4	44.3	42.9	—	ESE	1.2	SE	1.2	203	10	mist	10	02	from Arthur's seat to base till 2 P.M. station & again on	3											
	4	03.9	01.7	48.742	69.142	44.5	42.5	47.0	46.3	—	SE	1.2	ENE	1	131	10	cum	10	—	from Arthur's seat after 4.30 P.M. light & at times	4											
	5	10.7	20.3	48.944	68.345	47.3	46.5	45.6	44.9	—	E	1	ESE	1	89	10	10	10	—	from Arthur's seat all day except between 2.3 P.M. & 3 P.M. rain	5											
	6	21.1	19.6	49.943	94.937	45.0	44.3	43.4	42.0	—	ENE	0	calm	0	35	10	amst	0	1.53	Heavy dew at night.	6											
	7	12.5	13.6	54.140	113.735	47.0	46.3	46.0	44.0	—	ENE	0	E	0.1	94	10	mist	10	1.78	from Arthur's seat till 11 A.M. light drizzling & at times	7											
	8	17.2	21.2	50.343	81.244	48.3	46.8	47.2	46.2	—	ENE	0	ESE	0	77	10	cum	10	—	from Arthur's seat after 2 P.M. light & during night	8											
	9	13.7	29.987	62.842	116.539	52.0	50.2	47.5	44.6	—	E	0	E	0	22	0	0	1	11.83	which held all day especially to west. Buns 55 to 75	9											
	10	03.7	30.173	56.943	116.339	48.0	46.0	45.0	42.7	—	NE	0	SE	0	35	10	cum	1	—	drizzle mist of day	10											
	11	20.0	26.7	72.943	122.735	58.9	50.1	49.7	46.0	—	W	0	SE	0	32	0	0	0	13.25	drizzle mist of day	11											
	12	36.6	33.7	66.544	117.341	52.3	49.4	57.3	49.8	—	NE	0	Var	0	40	1	cum	0	12.07	drizzle mist of day	12											
	13	26.6	16.4	62.244	122.339	58.7	57.5	52.3	49.8	—	WNW	2	NW	1.2	21.45	10	cum	4	2.58	from Arthur's seat after 4.30 P.M. light & at times	13											
	14	08.2	03.6	65.348	127.045	59.0	57.3	52.3	49.0	—	NW	1	NW	0.7	10.5	7	cum	1	3.37	drizzle mist of day	14											
	15	29.884	29.846	60.147	97.043	50.7	49.2	53.7	57.3	—	WNW	0.1	NW	1	5.5	10	cum	10	—	light & at times. drizzle	15											
	16	30.015	30.114	59.740	108.040	49.8	53.8	57.9	53.3	—	NE	0.1	calm	0	4.3	10	cum	8	1.13	Very large hail round 4 P.M. to E 6 P.M. Fair to - Sun 8 P.M.	16											
	17	11.9	15.9	68.047	101.549	62.4	60.0	62.3	57.8	—	NW	0	W	0.1	19.3	10	cum	10	—	drizzle & close throughout.	17											
	18	15.5	22.2	67.147	122.144	65.6	60.3	61.5	58.7	—	WNW	1.2	NW	0	10.4	7	cum	10	—	drizzle & very close throughout. drizzle to N. Lunar halo 10 P.M.	18											
	19	31.5	32.7	71.947	119.747	62.3	57.0	60.0	57.0	—	W	0.1	calm	0	18	10	cum	2	1.75	drizzle to - Sun 4 P.M. drizzle throughout. Heavy dew. Lunar corona	19											
	20	37.6	38.7	72.447	123.347	64.7	60.7	57.0	54.1	—	NE	0	ENE	0	15	0	0	2	11.88	Heavy dew at night. Fog over forth. mist on Arthur's seat	20											
	21	39.2	38.1	64.349	119.449	55.0	54.9	51.7	50.5	—	E	0	ENE	0	4	0	0	10	9.19	Fog over forth. mist on Arthur's seat after 3 P.M. station 7 P.M.	21											
	22	39.0	37.8	67.945	122.949	53.0	50.5	51.6	50.3	—	ENE	0	EV	0	26	4	10	10	10.75	mist on Arthur's seat 8 A.M. & after 8 P.M. at station 9.30 P.M. clear to east	22											
	23	34.7	23.1	65.248	118.049	62.1	58.0	53.0	50.9	—	ENE	0	E	0	10.3	0	0	8	10.67	Mist passing Arthur's seat at 4.50 P.M. till 7 P.M. then clear.	23											
	24	14.1	17.1	59.940	108.940	54.3	53.0	53.0	52.3	—	E	1	E	0	75	10	cum	10	1.7	Mist on Arthur's seat all day at station 9 P.M. light drizzle	24											
	25	10.8	29.952	64.347	126.447	53.4	52.7	54.3	53.2	—	ENE	0	E	1	72	10	10	10	5.88	Mist on Arthur's seat to base 8 P.M. & after 8 P.M. at station 9.30 P.M. clear to east	25											
57	26	29.868	29.868	59.347	104.733	54.5	54.0	54.5	54.1	—	ENE	0.7	NE	0	7	10	cum	10	—	Mist on Arthur's seat all day & at station 11 A.M.	26											
	27	7.14	6.67	67.843	117.033	61.8	57.8	60.9	57.2	—	W	0	W	1	50	10	cum	1	1.52	light drizzle 1.30 P.M.	27											
	28	7.68	7.47	65.947	121.947	62.1	58.0	60.0	58.0	—	WNW	1	W	0	10.5	10	cum	6	4.91	drizzle 1.15 - 2.30 P.M. very clear 3 P.M.	28											
	29	6.39	5.66	68.348	127.348	63.0	57.1	53.0	55.1	—	SW	0.7	SW	0	54	9	cum	9	3.90	light & at times	29											
	30	5.34	6.05	64.743	124.843	59.7	59.0	54.1	57.5	—	SW	2	SW	2.3	1.95	9	cum	10	6.72	light & at times	30											
	31																															
Sums.		2617	2420	4702	4885	337	1787	1501	518	776	73	0.57	175	125	2364	221	194	12747														
Means.																																
+ Total Corrections for Instrumental Errors.																																
+ Corrections for Diurnal Range.																																
+ "Corrected Means."		30.087	30.081	61.648	110.540	53.0	57.7	52.6	50.2	0.57	58	42	79	74	65	225																
No. of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	" "	ms.	" "
ci-cu.	" "	n.	" "
ci-s.	" "	r.	" "
cu.	" "	h. r.	" "
cu-s.	" "	c. h. r.	" "
d.	" "	s.	" "
f.	" "	sc.	" "
fr.	" "	s.	" "
h.-fr.	" "	s.	" "
h.	" "	so. ha.	" "
h. d.	" "	sq.	" "
h. l.	" "	sq.	" "
h. cl.	" "	t. s.	" "
h. sh.	" "	w.	" "
lu. co.	" "	g.	" "
lu. ha.	" "		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.	Estimated Force, 0-6.	Common Designation.
0	Calm	1.5	Light breeze	4	Blowing hard
0.5	Very light air	2	Fresh breeze	5	Blowing a gale
1	Light air	3	Very fresh	6	Violent gale

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction for Temp. (Col. 2), =

"Corrected Mean" of Barometer at 9 P.M., minus the Correction for Temp. (Col. 4), =

Mean at Station, corrected, and at 32', = 29.780

Correction for height, feet above Mean Sea-level, = 30.4

Mean, reduced to 32', and Sea-level, = 30.084

Highest Reading, corrected for Index error, on the 21st, = 30.392Lowest Do. Do., on the 30th, = 29.534

Difference, or Monthly Range, = 0.858

S.R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 11th, = 72.9Lowest in Month, corrected for Index errors, on the 7th, = 40.6

Difference, or Monthly Range, = 32.3

"Corrected Mean" of all the Highest, (Col. 5), = 61.6

"Corrected Mean" of all the Lowest, (Col. 6), = 48.3

Difference, or Mean Daily Range, = 13.3

** Calculated Mean Temperature of Month, = 53.0

S.R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 29th, = 139.3

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 110.5

Lowest at Night, Black Bulb (corrected for Index errors), on the 1st, = 35.0

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 45.0

Difference of above means or range ("exposed"), = 65.5

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 53.8

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 57.0

Computed Temperature of Dew-Point, = 48.3 48.3

Do. Elastic Force of Vapour, = 338

Do. Weight of Vapour in a Cubic Foot of Air, = 3.82

Relative Humidity (Saturation = 100), = 81

RAIN fell on 8 Days; Amount in Inches, = 0.57

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	1	4	14	1	1	1	7	1		58	
P.M.		1	13	3		2	3	4	4	52	
Mean.	0	3	13	2	1	1	5	3	2	0.50	79

Total Bright Sunshine 127 hours, on 7 days there was none

Observations made and Return verified by

Robt. C. Mossman
10 Blacket Pl. Edinburgh

(Signed)

Robt. C. Mossman

Greatest Daily Range = 31.6 on the 11th

M.

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket St. Edinburgh County of Edinburgh in Lat. 55° 37' N Long. 3° 12' W Distance from Sea 2 miles.Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19 feet.During the MONTH of July 1891

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.				SEA.	OZONE.	GENERAL REMARKS.	Days of Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.		9 h. A.M.		9 h. P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		Barometer. * No.	Attached Thermometer No.	Barometer. No.	Attached Thermometer No.	Max. No.	Min. No.	Max. in Sun. rays No.	Min. on Grass. No.	Dry bulb. No.	Wet bulb. No.	Dry bulb. No.	Wet bulb. No.		No. of hours in which it fell.	Amount in inches. No.	Direction. No.	Force. No.	Direction. No.	Force. No.	Readings of the H. Cup Anemometer. No.	9 h. A.M.	Velocity (0-10), and Direction. No.	Amount (0-10), and Species. No.	Velocity (0-10), and Direction. No.	Amount (0-10), and Species. No.					SUNSHINE. H.ours.	No. 1 inches.	No. 2 inches.	No. 3 inches.	Temperature of W.B. at depth of feet, No.	Temperature at 1 fathom, and Density.	9 A.M.	9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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BAROMETER, "corrected Mean" at 9 A.M., minus the Correction for Temp. (Col. 2), =

"Corrected Mean" of Barometer at 9 P.M., minus the Correction for Temp. (Col. 4), =

Mean at Station, corrected, and at 32', = 29.564

Correction for height, 276 feet above Mean Sea-level, = 30.4

Mean, reduced to 32', and Sea-level, = 29.868

Highest Reading, corrected for Index error, on the 14th, = 30.407

Lowest Do. Do., on the 7th, = 29.427

Difference, or Monthly Range, = 0.980

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for

Index Errors), on the 17th, = 73.3

Lowest in Month, corrected for Index errors, on the 29th, = 45.4

Difference, or Monthly Range, = 27.9

"Corrected Mean" of all the Highest, (Col. 5), = 65.7

"Corrected Mean" of all the Lowest, (Col. 6), = 32.1

Difference, or Mean Daily Range, = 13.6

** Calculated Mean Temperature of Month, = 58.9

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for

Index Errors), on the 17th, = 129.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 116.6

Lowest at Night, Black Bulb (corrected for Index errors), on the 28th, = 42.0

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 48.6

Difference of above means or range ("exposed"), = 68.0

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry

Bulb, (Cols. 9 and 11), = 58.8

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols.

10 and 12), = 53.3

Computed Temperature of Dew-Point, = 49.9

Do. Elastic Force of Vapour, = 36.2

Do. Weight of Vapour in a Cubic Foot of Air, = 4.03

Relative Humidity (Saturation = 100), = 78

RAIN fell on 17 Days; Amount in Inches, = 3.69

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	3	1	3		3	3	16	2		0.58	
P.M.	2	2	6		3	1	7	5		0.34	
Mean.	2	2	4	0	3	2	12	3		0.46	th

Total Bright Sunshine Recorded 153 hours.

Observations made and
Return verified by

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Blacket Pl. Edinburgh* County of *Edinburgh*in Lat. *55° 57' N* Long. *3° 12' W* Distance from Sea *2* miles.Height of Cistern of the Barometer above Mean Sea-Level *276* feet, above Ground *79-20* feet.During the MONTH of *August**1891*

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.				SEA.		OZONE.		GENERAL REMARKS.		Days of Month.
		At 32° Sea Level		Read Daily, at 9 P.M.				Dry No. Wet No.																									
		9 h. A.M.		Protected in Shade, 4 feet above Ground.				Exposed Black Bulbs.							9 h. A.M.		9 h. P.M.		9 A.M.		P.M.		9 h. A.M.		Temperature of Air, at 2 feet, No.		Thermidity 0-10.0						
		Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. in Shade.	Min. in Shade.	Max. in Sun.	Min. in Sun.	Dry bulb.	Wet bulb.	No. of hours in which it fell.	Amount in inches.		Direction.	Force.	Direction.	Force.	Velocity (0-10) and Direction.	Amount (0-10) and Species.	Velocity (0-10) and Direction.	Amount (0-10) and Species.	No. 1.	No. 2.	No. 3.	No. 4.	Mean.	9 A.M.	9 P.M.				
		inches.																															
	1	29.891	29.797	65.0	48.0	113.3	41.9	56.0	52.1	57.0	54.1	—	W	07	W	0	130	9	H	9	h-st	1.62	1.0	1.0	1.0	1.0	1.1	75	81	Haze over forth	1		
	2	700	622	64.3	57.2	115.3	44.9	60.0	57.0	58.0	49.9	11	WNW	1	W	0	96	8	H	1	h-st	7.68	1.5	1.5	1.0	1.0	1.2	66	74	Heavy R. 10.10 to 11.58 A. passing S.W.	2		
	3	528	542	63.2	49.8	119.8	45.5	57.5	54.0	53.0	57.9	91	NW	07	NE	0	58	10	H	10	h	5.88	1.0	1.0	1.0	1.0	1.0	79	93	Wind on Arthur's Seat at 11.30 A. 33.20 P.	3		
	4	609	742	58.9	57.3	82.5	50.0	54.0	52.9	54.3	53.5	24	ENE	07	ENE	07	49	10	M	10	h-st	—	1.0	1.0	1.0	1.0	1.0	93	94	Wind on Arthur's Seat at 11.30 A. 33.20 P.	4		
	5	857	969	61.3	52.1	111.5	57.3	57.7	56.7	53.0	50.0	02	ENE	0	SE	0	86	9	H	10	h-st	1.80	1.0	0.5	1.0	0.5	0.7	82	80	Slight R. P.	5		
	6	987	30.016	67.9	49.0	124.3	44.9	55.1	52.1	53.7	49.5	05	W	0	NNW	1-2	179	9	st-h	3	h-st	4.42	1.0	1.0	1.0	1.0	1.0	81	73	Thunder to Sea 8.30 A.	6		
	7	941	29.957	66.3	57.6	124.0	46.9	54.3	52.4	53.0	52.7	08	WNW	2-3	NNW	07	245	10	H	10	h	2.53	1.5	0.5	0.5	1.0	0.9	87	91	Slight R. in early morn.	7		
	8	900	792	65.9	56.3	105.9	53.4	58.5	57.0	56.9	54.1	15	WSW	1-2	WNW	1-2	12.8	10	min	4	h	0.5	1.0	1.0	1.0	1.0	1.0	90	82	Slight R. 8-11 A.	8		
	9	682	651	62.4	54.3	81.8	57.7	60.3	59.0	54.5	53.4	61	WNW	0	WNW	0	83	10	min	10	min	0.2	1.5	1.5	1.5	1.0	1.4	92	93	Heavy R. in the P. S. Wind to Sea 8.30 A.	9		
	10	787	869	64.7	50.5	116.3	46.5	55.6	52.0	53.3	57.7	03	WNW	07	calm	0	86	3	h	3	h-st	10.95	0.5	0.5	0.5	1.0	0.6	79	79	Thunder to Sea 8.30 A. Very clear P.	10		
	11	828	697	63.1	50.3	130.3	44.9	53.2	57.6	53.5	52.6	01	SW	1	calm	0	210	10	min	5	cust	1.32	1.0	1.0	1.0	0.5	0.9	88	81	Slight R. at times	11		
	12	578	615	61.3	57.3	116.2	47.1	56.1	52.2	53.4	50.8	06	WSW	1-2	WNW	1-2	289	10	min	5	cust	4.67	1.0	0.5	0.5	0.5	0.6	75	83	Heavy R. till noon	12		
	13	802	896	65.6	50.8	119.4	45.6	58.3	53.8	54.0	57.2	12	W	1	calm	0	111	5	cust	10	cust	9.24	1.0	1.0	0.5	0.5	0.8	73	81	Dew at night	13		
	14	817	808	64.8	52.5	108.3	47.2	53.1	54.4	58.5	56.1	07	E	0	WNW	07	154	10	min	9	cust	1.75	2.0	1.0	1.0	1.0	1.2	95	83	R. till 10.20 A. then all P. on one hill	14		
	15	738	769	63.9	52.4	116.3	49.5	57.7	53.8	53.3	53.0	—	NW	1-2	WNW	1-2	175	5	cust	9	cust	8.97	0.5	0.5	0.5	1.0	0.6	77	85	Dew at night	15		
	16	934	959	64.3	52.3	123.5	49.2	59.0	54.0	52.7	49.9	—	W	0	E	0	61	9	cust	1	cust	4.37	1.0	1.0	1.0	1.0	1.0	71	81	Air considerably clear.	16		
	17	837	608	61.3	47.3	95.3	45.7	54.2	51.5	57.4	54.5	23	W	1-2	ESE	07	86	10	cust	10	min	0.7	1.0	1.5	1.5	1.5	1.4	82	82	R. at times P.M.	17		
	18	574	539	69.5	56.0	125.9	54.3	62.0	58.2	59.9	57.9	02	SSE	1	SE	0	41	8	cust	10	cust	8.42	0.5	0.5	0.5	1.5	0.7	78	88	Very gloomy with slight R.	18		
	19	570	570	69.0	57.4	124.1	49.0	61.1	53.7	53.8	53.3	—	SE	07	SE	0	35	0	0	7	cust	8.41	0.5	0.5	0.5	1.0	0.6	70	86	Very heavy. Dew at night	19		
	20	601	545	57.3	57.4	91.1	47.7	53.2	53.7	54.0	52.8	34	E	0	ENE	07	40	10	cust	10	cust	0.2	1.0	0.5	1.0	1.0	0.9	90	92	mod. passing. Arthur's Seat 8.30 A. dr. at times	20		
	21	575	605	59.0	57.6	109.0	51.4	57.0	53.2	54.5	53.6	78	E	07	E	0	79	10	min	10	cust	3.7	3.0	1.0	1.0	1.0	1.5	94	94	R. 8.25-8.40. To 8.40. very heavy. dr. 8.25-8.40. 29.20 P.	21		
	22	683	789	62.2	57.6	114.7	51.2	54.5	52.7	54.4	52.8	—	NE	1-2	E	0	63	10	cust	10	cust	2.87	1.5	1.0	0.5	0.5	0.9	88	90	Heavy R. during night. dr. at times P.	22		
	23	782	784	61.3	57.3	117.9	47.4	57.4	57.8	57.9	49.3	—	NNE	0	NE	0	37	10	cust	1	st	2.03	1.0	1.0	1.0	1.0	1.0	67	83	dr. at night	23		
	24	717	464	60.2	47.9	101.9	44.4	53.2	50.3	53.7	54.5	12	SW	1-2	SW	07	205	10	cust	10	min	1.3	0.5	1.0	1.5	1.5	1.1	81	92	Dew at night heavy R. P.	24		
	25	309	005	62.2	55.0	113.1	51.3	56.7	52.7	56.4	55.5	37	WSW	1-2	SW	0	220	2	cust	10	min	3.53	0.5	1.0	1.0	1.5	1.0	75	94	dr. A heavy R. P.	25		
	26	009	359	62.3	51.3	118.0	49.9	52.2	49.6	54.9	57.8	06	W	2-3	WSW	07	225	10	min	10	cust	6.63	2.0	1.0	1.0	1.5	1.4	82	80	Heavy R. 1.5 P.	26		
	27	354	245	62.5	52.1	112.7	48.3	58.5	54.3	52.7	57.4	20	SSW	07	SW	0	80	10	cust	10	min	2.48	1.0	1.0	1.5	2.0	1.4	75	91	to Sea 9 A. Very heavy. R. P.	27		
	28	404	652	59.9	46.9	108.6	45.0	54.1	57.1	49.1	46.1	01	WSW	1-2	WNW	1	174	10	min	0	0	7.49	1.5	0.5	0.5	0.5	0.8	80	79	R. P.	28		
	29	792	948	61.5	42.6	112.9	37.4	53.5	49.7	47.4	46.0	26	NW	0	NNW	0	25	0	0	2	st	7.03	0.0	0.0	1.0	1.0	0.5	75	90	Twist very heavy hail 2 P. Rainy P.	29		
	30	983	809	67.8	40.4	114.3	36.7	54.1	50.9	50.9	48.0	03	ENE	0	E	0	66	9	cust	10	cust	4.28	1.0	1.0	1.5	1.5	1.2	79	80	Dew	30		
	31	457	28.986	63.4	49.7	102.3	47.3	53.1	57.0	61.5	57.7	23	S	0	SW	3-4	280	9	cust	1	cust	1.02	1.0	1.0	2.0	1.5	1.4	86	77	dr. P. On falling part	31		
Sums.		21040	20809	965	201	375	722	942	984	1436	716	521	245	140	3736	255	220	120	67	335	270	300	330	308	258	281							
Means.		29.679	29.665	60.1	50.6	47.4	52.2	53.2	54.6	52.3								8.2	7.1														
+ Total Corrections for Instrumental Errors.																																	
+ Corrections for Diurnal Range.																																	
"Corrected Means."		29.679	29.665	63.1	50.6	112.1	47.4	56.2	53.2	54.6	52.3			79	45	121	8.2	7.1				1.08	0.87	0.97	1.06	0.99	80.9	84.7					
No. of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction for Temp. (Col. 2), =

"Corrected Mean" of Barometer at 9 P.M., minus the Correction for Temp. (Col. 4), =

Mean at Station, corrected, and at 32°, = 29.368

Correction for height, feet above Mean Sea-level, = 30.4

Mean, reduced to 32°, and Sea-level, = 29.672

Highest Reading, corrected for Index error, on the 6th, = 30.016Lowest Do. Do., on the 26th, = 28.986

Difference, or Monthly Range, = 1.030

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 18th, = 69.5Lowest in Month, corrected for Index errors, on the 30th, = 40.4

Difference, or Monthly Range, = 29.1

"Corrected Mean" of all the Highest, (Col. 5), = 63.1

"Corrected Mean" of all the Lowest, (Col. 6), = 50.6

Difference, or Mean Daily Range, = 12.5

** Calculated Mean Temperature of Month, = 56.8

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 11th, = 130.3

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 112.1

Lowest at Night, Black Bulb (corrected for Index errors), on the 30th, = 36.7

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 47.4

Difference of above means or range ("exposed"), = 64.7

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 55.4

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 52.8

Computed Temperature of Dew-Point, = 50.34

Do. Elastic Force of Vapour, = 36.7

Do. Weight of Vapour in a Cubic Foot of Air, = 4.104 gms

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl Edinburgh County of Edinburgh, in Lat. 55° 57' N Long. 3° 12' W Distance from Sea 2 miles.

Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19-20 feet.

During the MONTH of September 1891.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			SEA.	OZONE. 0—10.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Days of Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			No. of hours in which it fell.	Amount in inches.	9 h. A.M.		9 h. P.M.		Readings of the H. Cap Anemometer. No.	9 A.M.		P.M.	9 h. A.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.				Direction.	Force.	Direction.	Force.					Velocity (0—10), and Species.	Amount (0—10), and Species.					No. 3 inches.	No. 12 inches.	No. 22 inches.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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BAROMETER, "corrected Mean" at 9 A.M., minus the Correction \ddagger for Temp. (Col. 2), = 29.813
 "Corrected Mean" of Barometer at 9 P.M., minus the Correction \ddagger for Temp. (Col. 4), = 29.832
 Mean at Station, corrected, and at 32', = 29.518
 Correction for height, feet above Mean Sea-Level, = 3.04
 Mean, reduced to 32', and Sea-level, = 29.822
 Highest Reading, corrected for Index error, on the 23rd, = 30.164
 Lowest Do. Do., on the 1st, = 28.863
 Difference, or Monthly Range, = 1.301

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 12th, = 79.8
 Lowest in Month, corrected for Index errors, on the 23rd, = 42.4
 Difference, or Monthly Range, = 37.4
 "Corrected Mean" of all the Highest, (Col. 5), = 62.2
 "Corrected Mean" of all the Lowest, (Col. 6), = 49.8
 Difference, or Mean Daily Range, = 12.4
 * Calculated Mean Temperature of Month, = 56.0
 S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 12th, = 126.5
 "Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 104.0
 Lowest at Night, Black Bulb (corrected for Index errors), on the 23rd, = 36.0
 "Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 45.8
 Difference of above means or range ("exposed"), = 58.1

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 55.0
 Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 52.0
 * Computed Temperature of Dew-Point, = 49.1
 * Do. Elastic Force of Vapour, = 3.49
 * Do. Weight of Vapour in a Cubic Foot of Air, = 3.9026
 * Relative Humidity (Saturation = 100), = 81
 RAIN fell on 22 Days; Amount in Inches, = 4.71

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	2	1	3		3	6	14		1		
P.M.	3	1	1	1	5	14			5		
Mean.	3	0	2	0	2	6	14	0	3	1.34	210

Total Bright Sunshine 12.8 hours
 Mean Roundland (0-6) 1.21

Observations made and Return verified by R. L. Mossman
10 Blacket Pl. Edinburgh
 Observed from 18th to end of month taken by W. M. Mossman Dubuque - O'Brien

(Signed) R. L. Mossman
 Greatest Daily Range = 25.4 on the 12th

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl. Edinburgh County of Edinburgh, in Lat. 55° 57' N Long. 3° 12' W Distance from Sea 2 miles.
Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19 feet. During the MONTH of October

The Hours of Observation are of Greenwich Time.

[illegible]

BAROMETER, "corrected Mean" at 9 A.M., *minus* the Correction $\frac{1}{11}$ }
for Temp. (Col. 2), =

"Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{10}$ for Temp. (Col. 4). —

Mean at Station, corrected, and at 32°,..... 29.331

Correction for height, 276 feet above Mean Sea-level,..... 304

Mean, reduced to 32°, and Sea-level, 29.635

Highest Reading, corrected for Index error, on the 31st of Oct. 89 30.757 736

Lowest Do. Do., on the 13th, 1970 28.770 4.09
Difference, or Monthly Range, 2.387 1.327

* Each instrument tested at the Office in Edinburgh bears the stamp "S.M.S.;" and a number to be entered in the Heading; or the

* While the Diurnal Range is unknown, the Arithmetical Mean of Cols. 5 and 6 will be entered as the "Calculated Mean Temperature." Ann. observations not taken under the Conditions specified in the Directions on the other side, or noted at the Top of each column.

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 3th,..... =

Lowest in Month, corrected for index errors, on the 29th, =

Difference, or Monthly Range, 52

"Corrected **Mean**" of all the Highest, (Col. 5),

"Corrected Mean" of all the Lowest, (Col. 6),.....

Difference, or Mean Daily Range,

** Calculated Mean Temperature of Month,

R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Error) on the 4th

"Corrected Mean" (Col. 7) of Black Bulb. Max. in Sun. 1.10

Lowest at Night, Black Bulb (corrected for Index errors), on the 31st,

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass,.....

Difference of above means or range ("exposed"), =

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), =

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols.

10 and 12), =

## Computed Temperature of Dew-Point,	107
## De Elastic Force of Vapors	108

†† Do. Elastic Force of Vapour,	11
†† Do. Weight of Vapour in a Cubic Foot of Air.	11

ii Relative Humidity (Saturation = 100),

IN fell on 22 Days; Amount in Inches,

WIND.	SUMMARY.
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Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	M F
------------	---	----	---	----	---	----	---	----	----------------------	--------

	Variations								For	in miles per day
A.M.	-	-	2	4	9	4	6	2	4	0-12 79
P.M.	-	-	-	2	7	5	9	1	7	89
Mean.	0	0	1	3	8	4	8	1	6	24 140

$$0.84 = 0.18 \text{ lbs}$$

Observations made and
Return verified by

Robert L. Mossman.
Black & Place, Edinburgh.

(Signed) Robert L. Grossman.

Greatest Daily Range
= 17.1° on the 25th

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Blacket Pl. Edinburgh County of Edinburgh, in Lat. 55° 57' N Long. 3° 12' W Distance from Sea 2 miles.
Height of Cistern of the Barometer above Mean Sea-Level 276 feet, above Ground 19 feet. During the MONTH of November

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.			SEA.	OZONE.	GENERAL REMARKS. As to occurrences of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Days of Month.				
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs. On Suetgrass.		Dry No.		Wet No.			9 h. A.M.		9 h. P.M.		Readings of the H. Cup Anemometer.		9 A.M.		P.M.		9 h. A.M.								
		Barometer.	Attached Ther-mometer	Barometer.	Attached Ther-mometer	Max.	Min.	Max.	Min.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		No. of hours in which it fell.	Amount in inches.	Direction.	Force.	Direction.	Force.	Velocity (0-10), and Direction.	Amount (0-10), and Species.	Velocity (0-10), and Direction.	Amount (0-10), and Species.	No.					No.	No.		
		* No.		No.		No.	No.	No.	No.						No.																		
		inches.		inches.		"	"	"	"	"	"	"	"		"	"	"	"	"	"	"	"	"	"	"					"	"	"	"
		36 32° Sea Level																															
	1	30.722		30.719		47.3	41.3	50.5	39.1	47.2	46.7	46.7	46.2	.06	E	0	E	0	117	10	min	10	min	—			Much on Arthur's hat. drizzle heavy &	1					
	2	30.683		30.641		52.6	43.1	51.2	38.1	46.0	44.7	43.3	42.0	—	ENE	0	calm	0	25	10	west	0	0	3.15			Rainy & dull till noon. Then sunny	2					
	3	30.66		30.63		46.3	38.7	52.8	31.3	41.0	40.0	44.0	42.0	—	calm	0	E	1-2	38	10	east	10	west	—			Sun. No wind	3					
	4	30.60		30.699		46.9	42.1	53.1	41.4	46.2	44.1	42.9	41.1	.07	ENE	0	ENE	0	87	10	west	10	min	—			drizzle & at times. Much on hills	4					
	5	30.60		30.617		48.0	39.9	51.9	39.3	41.0	39.2	43.2	41.0	.02	WSW	0	W	0-1	115	10	east	10	west	.70			drizzle & at times	5					
	6	30.60		30.628		46.5	42.0	54.4	40.1	43.5	41.3	45.0	42.0	—	W	0-1	WSW	0-1	140	10	cum	10	cum	—			Thunder	6					
	7	30.53		30.534		50.2	43.9	56.9	38.9	45.0	43.1	43.1	42.0	.02	W	0	W	0	110	9	cum	0	0	.93			Sun	7					
	8	29.929		29.523		46.0	41.9	54.7	36.5	44.0	40.3	44.3	41.5	.03	SW	1-2	SW	1-3	245	10	west	10	cum	—			Very early rain at times. No cum	8					
	9	30.42		30.247		47.8	37.6	54.8	30.9	44.0	40.3	47.8	36.4	.01	WSW	1-2	WSW	0	185	1	cum	1	west	2.77			Cumt so low 3 P m. Sun night	9					
	10	30.32		30.297		46.1	37.0	51.5	31.1	39.3	37.9	40.0	38.0	.17	W	0-1	calm	0	138	0	0	10	west	3.74			High & sunny day. Low Sun night	10					
	11	28.660		28.496		47.5	38.5	53.1	35.3	44.0	42.5	42.3	40.3	.21	ESE	1	WNW	1-3	229	10	min	10	min	—			Much on Arthur's hat 10 P. Fog P	11					
	12	29.169		29.276		50.2	37.9	56.9	33.9	39.0	36.6	39.1	37.5	—	WSW	1-2	calm	0	147	0	0	4	west	5.60			Lunar Halo 9 P	12					
	13	30.141		30.078		47.8	38.5	56.5	31.5	47.8	45.0	42.3	40.0	.20	ESE	0-1	WSW	0-1	102	10	min	10	west	—			Rain at times	13					
	14	30.186		30.354		48.8	38.9	56.9	32.5	41.0	39.6	41.4	40.2	.02	NW	0-1	W	0	2.0	4	cum	10	west	5.18			In during night	14					
	15	30.435		30.545		47.3	40.3	62.2	35.9	43.0	41.9	44.9	43.8	.03	E	0	E	0-1	63	10	east	10	min	—			Rabbits. Total Lunar Eclipse	15					
	16	30.613		30.676		45.8	36.9	67.3	30.5	38.1	37.5	38.7	37.5	.06	NNE	0	W	0	29	0	0	5	cum	2.12			Haze - frost	16					
	17	30.639		30.785		44.1	37.8	61.2	34.3	40.8	39.8	39.3	37.7	.04	W	0	WSW	0-1	65	10	min	1	cum	—			Heavy dr. Ice - Ice	17					
	18	30.809		30.837		53.0	33.3	57.9	29.3	37.4	36.4	48.0	47.1	.47	ESE	0	S'W	0-1	214	10	west	10	min	—			Heavy &	18					
	19	30.602		30.599		48.7	44.1	66.9	41.2	47.3	43.7	45.9	42.9	.11	W	1	WSW	2-4	353	3	cum	0	0	7.34			Heavy &	19					
	20	30.716		30.803		47.9	41.2	71.9	34.9	44.0	42.5	42.0	40.1	.01	WSW	1	calm	0	84	7	cum	10	cum	2.39			Heavy at times	20					
	21	30.877		30.907		43.0	38.1	56.5	30.3	39.6	38.0	39.3	36.7	.01	WNW	0	NW	0	48	10	west	10	west	.11			Sun	21					
	22	30.904		30.975		41.3	33.8	53.0	31.2	38.9	37.6	34.9	34.1	—	ENE	0	calm	0	9	10	west	0	0	.15			Haze - frost	22					
	23	30.850		30.857		40.5	28.4	64.3	24.8	30.0	29.2	37.6	35.0	—	calm	0	W	0	15	1	cum	10	west	1.42			Thunder - frost	23					
	24	30.860		30.799		39.3	28.1	50.0	25.3	37.6	36.3	28.8	28.3	—	IN	0	calm	0	28	10	west	0	0	—			Thunder - frost. Heavy	24					
	25	30.601		30.532		40.3	27.9	49.3	23.9	37.7	35.9	37.2	35.6	—	SE	0	calm	0	74	10	west	10	cum	—			Thunder - frost. Heavy	25					
	26	30.532		30.632		39.9	32.7	62.5	25.1	36.0	34.1	33.2	32.3	—	WSW	1	NW	0	85	2	cum	0	0	2.23			Thunder - frost. Heavy	26					
	27	30.785		30.813		38.1	27.7	53.7	22.3	31.5	29.3	32.0	30.9	—	NW	0-1	WNW	0	52	0	0	0	0	3.74			Thunder - frost. Heavy	27					
	28	30.615		30.694		44.9	31.0	43.4	24.1	34.6	33.0	44.9	42.0	—	E	0	WSW	0-2	235	10	west	10	min	—			Thunder - frost. Heavy	28					
	29	30.515		30.680		45.3	37.3	67.0	32.4	42.0	39.0	39.0	36.2	.03	WSW	1-2	SW	0	166	1	cum	0	0	3.20			Thunder - frost. Heavy	29					
	30	30.650		30.644		44.3	33.6	73.4	27.5	36.9	35.1	42.7	41.0	—	SSW	0-1	WSW	1	104	9	cum	10	west	2.15			Thunder - frost. Heavy	30					
	31																																
Sums.		17 12 12		9 16 16		16 14	16 14	15 14	12 13	15 7	16 14	15 8	11 8	5																			
		23.857		23.250		17.42	21.35	19.02	7.71	23.9	27.13	2.58	27.14	1.69	14		14	34.22	207		191		40.92										
Means.																																	
† Total Corrections for Instrumental Errors.																																	
‡ Corrections for Diurnal Range.																																	
“Corrected Means.”		29.795		29.775		45.8	37.1	63.4	32.6	40.8	39.0	40.9	39.0	86	37		37	144	6.9		6.4		1.36										
No. of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27					

BAROMETER, "corrected Mean" at 9 A.M., *minus* the Correction $\uparrow\uparrow$
for Temp. (Col. 2), =
"Corrected Mean" of Barometer at 9 P.M., *minus* the Correction $\uparrow\uparrow$
for Temp. (Col. 4), =

Mean at Station, corrected, and at 32',	=	29.481
Correction for height,	feet above Mean Sea-level,	=	.304
Mean, reduced to 32', and Sea-level,		=	<u>29.785</u>
Highest Reading, corrected for Index error, on the	1 st th., 11A.		30.722
Lowest Do.	Do., on the 11 th , 4P		<u>28.496</u>
Difference, or Monthly Range,			<u>2.226</u>

* Each instrument tested at the Office in Edinburgh bears the stamp "S.M.S.," and a number to be entered in the Heading; or the Number and Initials of the Maker may be here given.
 † Embracing corrections for both capability and Index Errors.
 ‡ The Diurnal Range for Scotland is as yet unknown.
 § Practically, though not absolutely a unique correction.
 ¶ These "Hygrometrical Deductions" are taken from Glaisher's Hygrometrical Tables, Second Edition only.
 †† While the Diurnal Range is unknown, the Arithmetical Mean of Cols. 5 and 6 will be entered as the "Calculated Mean Temperature."
 ‡ Any observations not taken under the Conditions specified in the Directions on the other side, or noted at the Top of each column, must be marked as such by the observer, in each Schedule. See over.

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 18th, 60.7° =

Lowest in Month, corrected for Index errors, on the 27th, at 6.8 = 27.7
Difference, or Monthly Range: 3 = 25.3

"Corrected Mean" of all the Highest, (Col. 5),	=	458
"Corrected Mean" of all the Lowest, (Col. 6),	=	371

Difference, or Mean Daily Range, 8.7
 ** Calculated Mean Temperature of Month, 41.4

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 2th,..... = 91.2

Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun,	=	63.4
Lowest at Night, Black Bulb (corrected for Index errors), on the 27th,	=	22.3

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass,.....	=	32.6
Difference of above means or range ("exposed"),	=	308

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11),

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 39.0

†† Computed Temperature of Dew-Point,	36.7
†† Do. Elastic Force of Vapour,	2.8

Do. Weight of Vapour in a Cubic Foot of Air,	2.52
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Relative Humidity (Saturation = 100), = 86
IN fell on 18 Days; Amount in Inches, = 1.69

RAIN fell on 78 days; Amount in Inches, = 1.69

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	1	-	9	1	1	1	13	2	2	0.37	
P.M.	1	-	4	-	-	3	13	2	7	0.37	
Mean.	1	0	6	1	0	2	13	2	5	0.37	114

Mean Perimeter 1.43 0-6

(Signed) Robert L. Mossman.

Greatest Daily Runge = 19.7 within 18th

Observations made and
Return verified by

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Blackhall Pl. Edinburgh*, County of *Edinburgh*, in Lat. $55^{\circ}37'N$ Long $3^{\circ}12'W$ Distance from Sea *2* miles.Height of Cistern of the Barometer above Mean Sea-Level *276* feet, above Ground *19* feet.During the MONTH of *December* 18*91*.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.			SEA.	OZONE.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Days of Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			No. of hours in which it fell.	Amount in inches.	9 h. A.M.		9 h. P.M.		Readings of the H. Cap Anemometer. No.	9 h. A.M.	P.M.	SUNSHINE. H.ours.	9 h. A.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
		Barometer. * No.	Attached Thermometer. No.	Barometer. No.	Attached Thermometer. No.	Max. No.	Min. No.	Max. in Sunrays No.	Min. on Grass. No.	Dry bulb. No.	Wet bulb. No.	Dry bulb. No.	Wet bulb. No.				Direction.	Force.	Direction.	Force.					Velocity (0-6) and Direction.					Amount (0-10). and Species.	Velocity (0-6) and Direction.	Amount (0-10). and Species.	No. 3 inches.	No. 12 inches.	No. 22 inches.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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BAROMETER, "corrected Mean" at 9 A.M., minus the Correction \ddagger for Temp. (Col. 2), ="Corrected Mean" of Barometer at 9 P.M., minus the Correction \ddagger for Temp. (Col. 4), =

Mean at Station, corrected, and at 32', = 29.434

Correction for height, 276 feet above Mean Sea-level, = .304

Mean, reduced to 32', and Sea-level, = 29.738

Highest Reading, corrected for Index error, on the 21st, = 30.600Lowest Do. Do., on the 10th, = 28.608

Difference, or Monthly Range, = 1.992

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 3rd, = 55.9Lowest in Month, corrected for Index errors, on the 15th, = 28.8

Difference, or Monthly Range, = 27.1

"Corrected Mean" of all the Highest, (Col. 5), = 44.0

"Corrected Mean" of all the Lowest, (Col. 6), = 35.4

Difference, or Mean Daily Range, = 8.6

** Calculated Mean Temperature of Month, = 39.7

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 4th, = 72.5

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 57.8

Lowest at Night, Black Bulb (corrected for Index errors), on the 17th, = 23.3

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 30.3

Difference of above means or range ("exposed"), = 21.3

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 39.5

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 37.5

†† Computed Temperature of Dew-Point, = 34.8 35.1

†† Elastic Force of Vapour, = 2.05

†† Do. Weight of Vapour in a Cubic Foot of Air, = 2.37

†† Relative Humidity (Saturation = 100), = 85

RAIN fell on 21 Days; Amount in Inches, = 5.16 ins

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	1	1	1	1	3	3	17	1	3	.85	
P.M.					1	8	14	1	7	.82	
Mean.	1	0	1	0	2	6	15	1	5	.83	18.5

= 0.16 ins

(Signed) Robert C. Morrison

Greatest Daily Range = 16.8 on the 3rd

77.

Each instrument tested at the Office in Edinburgh bears the stamp "S.M.S." and a number to be entered in the Heading; or the Number and Initials of the Maker may be here given.
†† Embracing corrections for both capillarity and Index Errors.
† The Diurnal Range for Scotland is as yet unknown.
†† Practically, though not absolutely a mean correction.
† These "Hygrometric Reductions" are calculated from Glaisher's Hygrometric Tables, Second Edition only.
** While the Vertical Range is unknown, the Arithmetic Mean of Cols. 5 and 6 will be entered as the "Calculated Mean Temperature."
Any observations not taken under the Conditions specified in the Directions on the other side, or noted at the Top of each column, must be marked as such by the observer, in each Schedule. See over.

Note on the 10th the temperature fell 9.1 between 9.30 & 10 A.M., this rapid fall occurred at the same time as a shift of wind from W to N

Observations made and Return verified by

Robert C. Morrison

