

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea _____ miles.

Height of Cistern of the Barometer above Mean Sea-Level _____ feet, above Ground _____ feet. During the MONTH of January 189 5.

The Hours of Observation are of Greenwich Time.

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. <i>Mention the hour at which Storms, including Thunder and Lightning, began and ended.</i>	Days of Month.		
	9 h. A.M.		9 h. P.M.		Protected in Shade, 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.										
	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).	Amount (0-10).	Direction.	Amount (0-10).	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.
1	29.270	47	29.070	53	37	26.5	35.5	21	50.5	28	37	35.5	—	None	2	None	2	None	2	None	2	None	2	None	2	None	1			
2	29.000	48	28.800	50	32	30.5	35.5	28	55	35	30.5	30	—	W 0.5	0.5	0	0.5	0	0	0	0	0	0	0	0	2				
3	28.800	46	29.200	49	30	27	34	23	29	28	28	28	—	Caln	Caln	0	0	0	0	0	0	0	0	0	0	3				
4	29.280	44	29.460	55	26.5	26	34	19	24	26.5	26	26	—	0	0.5	0	0	0	0	0	0	0	0	0	0	4				
5	29.350	44	29.190	49	36	24	37	20	31	31	36	33	—	0	Caln	0	0	0	0	0	0	0	0	0	0	5				
6	29.060	47	29.070	47	36	24	37	20	34	32	36	33	1.1	W 1	W 0.5	0	0	0	0	0	0	0	0	0	0	6				
7	29.100	47	29.200	51	34.5	25	33	22.5	29	29	31	29	1.1	W 0.5	Caln	0	0	0	0	0	0	0	0	0	0	7				
8	29.200	46	29.330	51	33	23	35	18	31	31	23.5	23	—	Caln	0	0	0	0	0	0	0	0	0	0	0	8				
9	29.300	45	29.250	50	32.3	20	29	15	22	22	20	20	—	0	0	0	0	0	0	0	0	0	0	0	0	9				
10	29.150	43	29.125	48	31	16.5	24	14	21.5	21	20.5	19.5	—	0	0	0	0	0	0	0	0	0	0	0	0	10				
11	29.090	42	29.000	48	34.5	20	33.5	16	29	29.5	28.5	27	—	W 1	W 0.5	0	0	0	0	0	0	0	0	0	0	11				
12	28.870	40	28.750	47	34.5	23	32	18	26	25	33	32.5	—	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	12				
13	28.370	43	28.340	54	38	25	34	25	35.5	33	33	32.5	—	W 2	0.5	0	0	0	0	0	0	0	0	0	0	13				
14	28.190	47	28.300	49	38	32.5	37.5	31	37	36.5	37	36	2.2	W 1	0.5	0	0	0	0	0	0	0	0	0	0	14				
15	28.280	47	28.370	54	38	32	36	32	35.5	35.5	35	35	0.8	W 1.5	0.5	0	0	0	0	0	0	0	0	0	0	15				
16	28.290	47	28.270	54	38	33.5	38	33	35	35	36	35.5	2.1	Caln	0	0	0	0	0	0	0	0	0	0	0	16				
17	28.290	50	28.370	53	37.5	31.5	35	29	33.5	33	35	34	1.0	0	W 1.5	0	0	0	0	0	0	0	0	0	0	17				
18	28.562	49	28.870	53	40	34	40	31	35	35	35.5	35.5	2.9	W 1.5	0.5	0	0	0	0	0	0	0	0	0	0	18				
19	28.900	48	29.020	54	38	29	37	26	31.5	31.5	37.5	37.5	—	Caln	0	0	0	0	0	0	0	0	0	0	0	19				
20	28.950	50	29.070	59	39.5	31.5	37	30	36	36	31.5	29.5	3.0	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	20				
21	29.065	50	29.230	53	35	24	38	22	31	31	29	28	3.0	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	21				
22	29.100	48	29.060	53	41	24.5	42.5	26	36	34.5	35.5	35	—	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	22				
23	29.000	48	28.980	51	39.5	29.5	38	24	32	31	30.5	30.5	0.2	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	23				
24	28.300	48	28.600	50	39	29.5	37	26	35	34.5	34.5	34	1.3	Caln	0.5	0	0	0	0	0	0	0	0	0	0	24				
25	28.700	47	28.950	52	36.5	26	36	26	28	28	29.5	29.5	—	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	25				
26	28.950	47	28.830	52	31	26.5	31	23.5	30	30	30	30	—	Caln	0.5	0	0	0	0	0	0	0	0	0	0	26				
27	28.580	47	29.140	59	32	19	33	18	20.5	20.5	21.5	20.5	1.5	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	27				
28	29.270	44	29.380	51	32	14	32	13	30	31	23.5	23	1.0	0	0	0	0	0	0	0	0	0	0	0	0	28				
29	29.300	45	29.500	51	34	21	42	20	31.5	31	23.5	23	1.0	0	0	0	0	0	0	0	0	0	0	0	0	29				
30	29.600	46	29.680	51	34	14	40.5	14.5	26.5	25.5	27.5	25.5	0.3	W 0.5	0.5	0	0	0	0	0	0	0	0	0	0	30				
31	29.600	45	29.490	48	32.5	16	36.5	14	29	24.5	28	28	—	Caln	0.5	0	0	0	0	0	0	0	0	0	0	31				
Sums.	8964.2	4355	8987.4	4610	10908	4415	11020	4065	225	0.10	4450	4200	2.10	11.5	19.0	43														
Means.	28.933	46.3	28.992	51.8	35.8	25.5	35.5	22.6	30.8	30.0	30.5	29.4		37	61															
+ Total Corrections for Instrumental Errors.																														
+ Corrections for Diurnal Range.																														
"Corrected Means."																														
No. of Columns.	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. d.	" "	so. ha.	" "
hl.	" "	sq.	" "
l.	" "	sqs.	" "
li. cl.	" "	t.	" "
li. sh.	" "	t. s.	" "
lu. co.	" "	w.	" "
lu. ha.	" "	g.	" "

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 \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°, = _____

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

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

Highest Reading, corrected for Index error, on the _____ th, = _____

Lowest Do. Do., on the _____ th, = _____

Difference, or Monthly Range, = _____

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

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

Difference, or Monthly Range, = _____

"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, = _____

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

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

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

"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), = _____

\ddagger Computed Temperature of Dew-Point, = _____

\ddagger Do. Elastic Force of Vapour, = _____

\ddagger Do. Weight of Vapour in a Cubic Foot of Air, = _____

\ddagger Relative Humidity (Saturation = 100), = _____

RAIN fell on _____ 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.	2	1	0	3	1	0	4	1	16	37	
P.M.	0	1	2	4	0	0	13	1	10	61	
Mean.	1	1	1	3	1	0	10	1	13	49	

0.24

Observations made and
Return verified by

James Munro
Westgate Villa Colinton

(Signed)

Observations taken at Valenton, County of Washington, in Lat. _____, Long. _____, Distance from Sea 6 miles.

During the MONTH of December 1895

The Hours of Observation are of Greenwich Time.

<p>BAROMETER, "Corrected Mean" at 9 A.M., <i>minus</i> the Correction † = _____ for Temp. (Col. 2), = _____</p> <p>"Corrected Mean" of Barometer at 9 P.M., <i>minus</i> the Correction † = _____ for Temp. (Col. 4), = _____</p> <p>Mean at Station, corrected, and at 32°, = _____</p> <p>Correction for height, feet above Mean Sea-level, = _____</p> <p>Mean, reduced to 32°, and Sea-level, = _____</p> <p>Highest Reading, corrected for Index error, on the _____ th, = _____</p> <p>Lowest Do. Do., on the _____ th, = _____</p> <p>Difference, or Monthly Range, = _____</p>	<p>S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 21 th, = 46.0</p> <p>Lowest in Month, corrected for Index errors, on the 8 th, = 8.5</p> <p>Difference, or Monthly Range, = 37.5</p> <p>"Corrected Mean" of all the Highest, (Col. 5), = 37.0</p> <p>"Corrected Mean" of all the Lowest, (Col. 6), = 23.2</p> <p>Difference, or Mean Daily Range, = 13.8</p> <p>** Calculated Mean Temperature of Month, = 30.1</p> <p>S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 23 th, = 80.5</p> <p>"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 51.2</p> <p>Lowest at Night, Black Bulb (corrected for Index errors), on the 10 th, = 6.5</p> <p>"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 20.5</p> <p>Difference of above means or range ("exposed"), = _____</p>	<p>HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 28.3</p> <p>Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 27.1</p> <p>†† Computed Temperature of Dew-Point, = 21.9</p> <p>†† Do. Elastic Force of Vapour, = 117</p> <p>†† Do. Weight of Vapour in a Cubic Foot of Air, = _____</p> <p>†† Relative Humidity (Saturation = 100), = 76</p> <p>RAIN fell on 6 Days; Amount in Inches, = .56</p>
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* 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 minus correction.

††† These "Hygrometrical Directions" 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.

* 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 minus correction.

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

** While the Diurnal Range is unknown, the Arithmetic Mean of Columns 6 and 7 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.

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11),	=	28-3
Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12),	=	27-1
† Computed Temperature of Dew-Point,	=	21-9
† Do. Elastic Force of Vapour,	=	117
† Do. Weight of Vapour in a Cubic Foot of Air,	=	
† Relative Humidity (Saturation = 100),	=	76
RAIN fell on 6 Days; Amount in Inches,	=	.56

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		4	4	1		1	4	9	3.8	
P.M.	1	1	5	2	4	1	3	3	8	3.2	
Mean.	2	1	4.5	3	2	1	3	4	8	4.5	

0.20

Observations made and
Return verified by

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea _____ miles.

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

During the MONTH of March 1895.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER. <i>Anemid</i>				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER. Dry No. _____ Wet No. _____				Rain.	WIND.				CLOUDS.				SUNSHINE.	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. <i>Mention the hour at which Storms, including Thunder and Lightning, began and ended.</i>	Days of Month.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		9 h. A.M.		9 h. P.M.		Protected in Shade, & feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			9 h. A.M.		9 h. P.M.		9 A.M.		P.M.			9 h. A.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Barometer.	Attached Ther- mometer	Barometer.	Attached Ther- mometer	Max.	Min.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		No. of hours in which it fell.	No.	Direction.	Force.	Direction.	Force.	Readings of the H. Cup Anemometer. No.	9 h. A.M.		Velocity (0-10), and Direction.	Amount (0-10), and Species.	Velocity (0-10), 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 $\frac{1}{100}$ for Temp. (Col. 2), = _____

"Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{100}$ for Temp. (Col. 4), = _____

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

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

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

Highest Reading, corrected for Index error, on the _____ th, = _____

Lowest Do. Do., on the _____ th, = _____

Difference, or Monthly Range, = _____

S.R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the _____ th, = 55.0

Lowest in Month, corrected for Index errors, on the _____ th, = 26.0

Difference, or Monthly Range, = 29.0

"Corrected Mean" of all the Highest, (Col. 5), = 45.4

"Corrected Mean" of all the Lowest, (Col. 6), = 35.0

Difference, or Mean Daily Range, = 10.4

** Calculated Mean Temperature of Month, = 40.2

S.R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the _____ th, = 81.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 61.5

Lowest at Night, Black Bulb (corrected for Index errors), on the _____ th, = 22.0

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 33.7

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

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 39.2

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 38.0

†† Computed Temperature of Dew-Point, = 36.4

†† Do. Elastic Force of Vapour, = 216

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

†† Relative Humidity (Saturation = 100), = 90

RAIN fell on _____ Days; Amount in Inches, = 2.93

WIND.	SUMMARY.									
	Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
A.M.		1	1	3	2	2	1	2	8	1
P.M.			2	1	3			1	4	4
Mean.		1	2	2	2	1	1	1	6	2

Observations made and
Return verified byJames Murray
Colinton

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea 6 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 4 feet.During the MONTH of April 1895.

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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Ananoid		Ananoid		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		Dry No.		Wet No.		No. of hours in which it fell.	Amount in inches.	9 h. A.M.		9 h. P.M.		9 A.M.		9 P.M.		9 h. A.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max.	Min.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.			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.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
		* No.	inches.	°	inches.	°	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	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.	No.	No.

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	" cirrus.	ms.	" meteors.
ci-cu.	" cirro-cumulus.	n.	" nimbus.
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. h.	" 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., minus the Correction \uparrow =
for Temp. (Col. 2), =
"Corrected Mean" of Barometer at 9 P.M., minus the Correction \uparrow =
for Temp. (Col. 4), =

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

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

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

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

Lowest Do. Do., on the th, =

Difference, or Monthly Range, =

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 23 th, = 62.0

Lowest in Month, corrected for Index errors, on the 7 th, = 28.0

Difference, or Monthly Range, = 34.0

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

"Corrected Mean" of all the Lowest, (Col. 6), = 38.1

Difference, or Mean Daily Range, = 14.2

** Calculated Mean Temperature of Month, = 45.2

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 8 th, = 109.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 82.3

Lowest at Night, Black Bulb (corrected for Index errors), on the 4 th, = 26.0

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 38.3

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Calington, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea 6 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 4 feet.During the MONTH of May 1895.

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.	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. <i>Mention the hour at which Storms, including Thunder and Lightning, began and ended.</i>	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 A.M.		9 P.M.			9 h. A.M.		Temperature of WELL at depth of feet, No.			Temperature at 1 fathom, and Density.				0-10.				
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		No. of hours in which it fell.	No.	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.	3 inches.		No.	12 inches.			No.	22 inches.	Temperature at 1 fathom, and Density.	9 A.M.	9 P.M.
		* No.		No.		No.	No.	No.	No.																												
		inches.	°	inches.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°				
	1	29.150	58.5	29.350	59.5	53.5	40	68	39	47	43	41	38	.08	11.05	11.15	11.05	11.15	11.05	11.15	11.05	11.15	8										1				
	2	29.500	58	29.550	58	58	37.3	82		50	44.5	46	41.5		11.05	11.1	11.05	11.1	11.05	11.1	11.05	11.1	8										2				
	3	29.550	57	29.550	57	61	37	117		55	48	44	43		11.05	Calm	11.05	Calm	11.05	Calm	11.05	Calm	8										3				
	4	29.560	58	29.490	57	58	40	103		45.5	44	49	48.5		Calm	11.05	11.05	Calm	11.05	11.05	11.05	11.05	10										4				
	5	29.500	57	29.470	63	63	37.5	104.5		54.5	53.5	54.5	54.5		11.05	11.15	11.05	11.15	11.05	11.15	11.05	11.15	8										5				
	6	29.490	60	29.520	61	65	37	115		53	49.5	46	45.5		11.05	11.1	11.05	11.1	11.05	11.1	11.05	11.1	10										6				
	7	29.500	60	29.320	60	64	39	115		55.5	49.5	44	42		11.05	11.1	11.05	11.1	11.05	11.1	11.05	11.1	10										7				
	8	29.320	59	29.220	60	66	35.5	113		55	49	49	46		11.05	11.2	11.05	11.2	11.05	11.2	11.05	11.2	10										8				
	9	29.200	59	29.200	60	71.5	41.5	115		57	52	57	51		11.05	Calm	11.05	Calm	11.05	Calm	11.05	Calm	8										9				
	10	29.250	61	29.250	62	66.5	46.5	109		58.5	50	50	45		Calm	11.1	Calm	11.1	Calm	11.1	Calm	11.1	10										10				
	11	29.320	62	29.320	63	68.5	42	125		61	53	49.5	47.5		11.05	Calm	11.05	Calm	11.05	Calm	11.05	Calm	?										11				
	12	29.350	63	29.320	64	63	41	106.5		57.5	49.5	54	51.5		11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	3										12				
	13	29.320	64	29.370	63.5	68	51.5	116		61	55	54	52		11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	8										13				
	14	29.320	64	29.250	63	59	50	66		54.5	51.5	51	49		11.05	11.15	11.05	11.15	11.05	11.15	11.05	11.15											14				
	15	29.200	61	29.200	61	63	46	102		59	55	48	42.5	.12	11.1	11.15	11.1	11.15	11.1	11.15	11.1	11.15	3										15				
	16	29.150	59	29.100	58	53	37	100		40	35	43	38		11.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	4										16				
	17	29.050	58	29.000	58	53	37	113		49	46	39	34		11.15	11.1	11.15	11.1	11.15	11.1	11.15	11.1	2										17				
	18	29.000	58	29.000	59	56	39	76		49	47	46	42.5	.32	Calm	11.15	Calm	11.15	Calm	11.15	Calm	2											18				
	19	29.040	58	29.070	59	53	41	89		45	41.5	44	40	.01	11.1	11.1	11.1	11.1	11.1	11.1	11.1	2											19				
	20	28.990	58	29.050	59	51.5	38	87		43	39	44	43.5	.03	Calm	11.1	Calm	11.1	Calm	11.1	Calm	1											20				
	21	28.970	58	29.010	59	51	41	66		44.5	44	47.5	47	.05	11.05	11.05	11.05	11.05	11.05	11.05	11.05	1											21				
	22	29.100	58.5	29.100	57	54	42	62		46	46	44	43	.04	11.05	11.05	11.05	11.05	11.05	11.05	11.05	1											22				
	23	29.100	57	29.100	57	61	41	111		54.5	51.0	59	58		11.05	Calm	11.05	Calm	11.05	Calm	11.05	Calm											23				
	24	29.120	56	29.150	56	57.5	42	95		48.5	48	46.5	46.5		11.05	11.05	11.05	11.05	11.05	11.05	11.05	2											24				
	25	Omitted		29.150	56	53	43	69		Omitted	46	46			Omitted	11.05	Omitted	11.05	Omitted	11.05	Omitted	1												25			
	26	29.260	56	29.340	57	65	43	107		59	52	53	49.5	.14	11.05	11.05	11.05	11.05	11.05	11.05	11.05	10											26				
	27	29.400	58	29.350	61	71	46.5	119		54	51	57.5	55		Calm	11.15	Calm	11.15	Calm	11.15	Calm	10												27			
	28	Omitted		29.320	61	71	44	122		Omitted	58	51			Omitted	11.1	Omitted	11.1	Omitted	11.1	Omitted	10												28			
	29	29.300	59	29.220	65	72	45	114		55	52	55	51		11.05	Calm	11.05	Calm	11.05	Calm	11.05	10												29			
	30	Omitted		28.970	65	75	45	108		58.5	54	64.5	59		11.05	11.05	11.05	11.05	11.05	11.05	11.05	8												30			
	31	28.850	65	28.990	65	72	49	109		60	56	57	53		Calm	11.05	Calm	11.05	Calm	11.05	Calm	6												31			
Sums.		480	161	6110	151	123	123	1161		125	133	163	145	1.09	8	6																					
Means.		160	20	200	30	570	593	640		710	295	290	215		125	73																					
+ Total Corrections for Instrumental Errors.																																					
+ Corrections for Diurnal Range.																																					
"Corrected 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						

NOTATION USED IN GENERAL REMARKS.					
a.	denotes	aurora.	m.	denotes	meteor.
ci.	"	cirrus.	ms.	"	meteors.
ci.-cu.	"	cirro-cumulus.	n.	"	nimbus.
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.	"	squall.
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., 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°, = _____

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

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

Highest Reading, corrected for Index error, on the _____ th, = _____

Lowest Do. Do., on the _____ th, = _____

Difference, or Monthly Range, = _____

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 30 th, = 75.0

Lowest in Month, corrected for Index errors, on the 8 th, = 35.5

Difference, or Monthly Range, = 39.5

"Corrected Mean" of all the Highest, (Col. 5), = 61.8

"Corrected Mean" of all the Lowest, (Col. 6), = 41.8

Difference, or Mean Daily Range, = 19.9

** Calculated Mean Temperature of Month, = 51.8

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 11 th, = 125.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 105.3

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

"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), = 50.8

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 47.5

\ddagger Computed Temperature of Dew-Point, = 44.1

\ddagger Do. Elastic Force of Vapour, = 290

\ddagger Do. Weight of Vapour in a Cubic Foot of Air, = _____

\ddagger Relative Humidity (Saturation = 100), = 78

RAIN fell on 8 Days; Amount in Inches, = 1.09

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.		1	2	4	2			10	1	9	40
P.M.		2	2	4	1	1	2	9		10	70.73
Mean.		2	2	4	1	1	1	10	1	9	56

Observations made and
Return verified byJames Ramsay
Westgarth Villa Calington

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea 16 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 4 feet.During the MONTH of June 1895.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER <i>Anemoid</i>				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. <i>Mention the hour at which Storms, including Thunder and Lightning, began and ended.</i>	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 A.M.		9 P.M.							9 h. A.M.						
		Barometer. * No.	Attached Thermometer	Barometer. No.	Attached Thermometer	Max. No.	Min. No.	Max. in Sun's rays No.	Min. on Grass. No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		No. of hours in which it fell.	No.	Direction.	Force	Direction.	Force	Readings of the H. Cup Anemometer. No.	Velocity (0-10), and Direction.						Amount (0-10), and Species.	Velocity (0-10), and Direction.	Amount (0-10), and Species.	No. 3 inches.	No. 12 inches.	No. 22 inches.	Temperature of Well at depth of feet, No.
		inches.	°	inches.	°																													
	1	28.500	65	29.200	65	71	53	105		59	55	57	54		Calm	1					Hazy	8	2	9	6								1	
	2	29.368	64	29.300	64	72	50	124		53	59	53	50	0.5	S. 1.	1					Hazy	8	2	9	6								2	
	3	29.250	64	29.220	64	72	53	124		53	55	52.5	51.5	0.3	SW 1.5	1					Drct	8	2	9	6								3	
	4	29.300	61	29.350	62	64	55	94		59	55	58	55		Calm						Hazy	8	2	9	6								4	
	5	29.400	62	29.400	62	64	49	119		60	55	49.5	47.5		S. 0.5	1					Drct	8	2	9	6								5	
	6	29.400	62	29.450	63	64.5	48.5	127		65	55	51	48		S. 0.5	1					Drct	8	2	9	6								6	
	7	29.420	63	29.350	65	77	65	129		68	58	66	59		Calm						Drct	8	2	9	6								7	
	8	29.300	65	29.270	66	78	43	124		63	56	55	50		S. 0	1					Drct	8	2	9	6								8	
	9	29.250	65	29.130	65	70	48	118.5		59.5	55	53.5	50.5		W 1.	1					Drct	8	2	9	6								9	
	10	29.100	65	29.100	65	64	55	126		60	50	52	47.5		W 1.	1					Drct	8	2	9	6								10	
	11	29.020	64	29.020	64	59	45	111		52	47	46	43.5		W 0.5	1					Drct	8	2	9	6								11	
	12	29.170	62	29.250	60	58	37	120		51	44	42	41	0.9	W 1.	1					Drct	8	2	9	6								12	
	13	29.270	60	29.250	60	61	38	116		52	46	46	45		Calm						Drct	8	2	9	6								13	
	14	29.220	63	29.300	59	58	42	109		51	46	43	41	1.5	W 0.5	1					Drct	8	2	9	6								14	
	15	29.250	58	29.220	59	64	33	108		50	45	48.5	44.5		W 0.5	1					Drct	8	2	9	6								15	
	16	29.200	58	29.150	58	62	36.5	119		55.5	49	48.5	46		S. 0.5	1					Drct	8	2	9	6								16	
	17	29.120	58	29.020	59	58	37	104		52	45	52.5	48		S. 0.5	1					Drct	8	2	9	6								17	
	18	28.800	58	28.800	57	54	44	72		49	47	47	47	78	Calm	1					Drct	8	2	9	6								18	
	19	28.820	57	28.930	59	57	45	104		54	49	48.5	46.5	74	S. 0	1					Drct	8	2	9	6								19	
	20	29.100	60	29.170	61	61	42	111		57	50	53	48	54	N. 1.	1					Drct	8	2	9	6								20	
	21	29.220	60	29.270	61	65	48	100		53	51	52	48	0.4	N. 1.	1					Drct	8	2	9	6								21	
	22	29.300	61	29.270	63	58	42	111		63	62	53	48		N. 0.5	1					Drct	8	2	9	6								22	
	23	29.310	63	29.370	65	72.5	46.5	115		62.5	58	56	52.5	0.3	N. 1.	1					Drct	8	2	9	6								23	
	24	29.400	64	29.420	64	73	45	117		53	53	54	52		Calm						Drct	8	2	9	6								24	
	25	29.400	64	29.350	65	71	45	111		62	56	54	51.5		S. 0	1					Drct	8	2	9	6								25	
	26	29.300	64	29.200	66	80	41	97		67	80	60	57		S. 0	1					Drct	8	2	9	6								26	
	27	29.150	65	29.070	67	72	56	126		60	57	56	51		N. 1.	1					Drct	8	2	9	6								27	
	28	29.070	67	28.900	66	63	48	104		61	55	56	55		N. 0.5	1					Drct	8	2	9	6								28	
	29	28.770	65	28.740	66	65	50	105		63	58	54	52	22	Calm	1					Drct	8	2	9	6								29	
	30	28.760	65	28.820	66	67	50	113		59	51.5	54.5	52	10	N. 1.	1					Drct	8	2	9	6								30	
	31																																	31
Sums.						1495	1955	613		2305	715	760	25	227		140		205																
Means.						65.0	46.5	109.3		57.7	52.4	52.5	49.4			4.7		6.8																
+ Total Corrections for Instrumental Errors.																																		
+ Corrections for Diurnal Range.																																		
+ Corrected 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			

NOTATION USED IN GENERAL REMARKS.					
a.	denotes aurora.	m.	denotes meteor.		
ci.	" cirrus.	ms.	" meteors.		
ci.-cu.	" cirro-cumulus.	n.	" nimbus.		
cl.-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.		
l.	" hail.	sq.	" squall.		
l.	" lightning.	t.	" thunder.		
li. cl.	" light clouds.	t. s.	" thunder-storm.		
li. sh.	" light showers.	w.	" wind.		
lu. co.	" lunar corona.	5.	" gate 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

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci.-ou.	cirro-cumulus.	n.	nimbus.
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. s.	thunder.
l. cl.	light clouds.	t. s.	thunder-storm.
l. 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 gale
1	Light air	3	Very fresh	6	Violent gale

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction $\frac{1}{1}$ for Temp. (Col. 2), = _____"Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{1}$ for Temp. (Col. 4), = _____

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

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

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

Highest Reading, corrected for Index error, on the _____ th, = _____

Lowest Do. Do., on the _____ th, = _____

Difference, or Monthly Range, = _____

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 26 th, = 80.0

Lowest in Month, corrected for Index errors, on the 15 th, = 33.0

Difference, or Monthly Range, = 47.0

"Corrected Mean" of all the Highest, (Col. 5), = 65.0

"Corrected Mean" of all the Lowest, (Col. 6), = 46.5

Difference, or Mean Daily Range, = 18.5

** Calculated Mean Temperature of Month, = 55.8

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the _____ th, = 129.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 109.3

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

"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), = 55.1

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 50.9

Computed Temperature of Dew-Point, = 46.9

Do. Elastic Force of Vapour, = 322

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

Relative Humidity (Saturation = 100), = 74

RAIN fell on 1 Days; Amount in Inches, = 2.27

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.						2	4	1	6	11	47
P.M.				4	2	3	2	5	2	12	68
Mean.		0	0	2	2	4	2	5	4	11	58

0.33

Observations made and
Return verified byM. M. M. M. M.
Westgate Villa Colinton

(Signed)

SEU
Clinton

Midlothian

380 feet, above Ground 4

July

1895

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

S.-R. THERMOMETER , (in shade, etc.), Highest in Month , (corrected for Index Errors), on the 5 th	=	71.0
Lowest in Month , corrected for Index errors, on the 13 th ,	=	44.5
Difference, or Monthly Range ,	=	26.5
"Corrected Mean " of all the Highest , (Col. 5),	=	63.5
"Corrected Mean " of all the Lowest , (Col. 6),.....	=	50.6
Difference, or Mean Daily Range ,	=	12.9
** Calculated Mean Temperature of Month,	=	57.0
<hr/>		
S.-R. THERMOMETER , Black Bulb in Sun , Highest , (corrected for Index Errors), on the 6 th	=	119.0
"Corrected Mean ," (Col. 7), of Black Bulb, Max. in Sun ,	=	100.5
Lowest at Night , Black Bulb (corrected for Index errors), on the 27 th ,	=	-
"Corrected Mean ," (Col. 8), of Black Bulb, Min. on grass ,.....	=	-
Difference of above means or range ("exposed"),	=	-

HYCROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb , (Cols. 9 and 11),	=	56-2
Mean (corrected) A.M. and P.M. Reading of Wet Bulb , (Cols. 10 and 12).	=	53-4
‡‡ Computed Temperature of Dew-Point ,	=	50-8
‡‡ Do. Elastic Force of Vapour ,	=	372
‡‡ Do. Weight of Vapour in a Cubic Foot of Air ,	=	
‡‡ Relative Humidity (Saturation = 100),	=	82
RAIN fell on 15 Days; Amount in Inches,	=	4-38-

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	-	3	2	2	3	10	3	7	61	
P.M.	1	-	2		1	2	15		10	66	
Mean.	1	0	3	1	2	3	12	1	8	64	

0.41

Observations made and
Return verified by

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Edinburgh, County of Midlothian, in Lat. 55° 55', Long. 3° 15' W, Distance from Sea 6 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 4 feet.During the MONTH of August 1895.

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 h. A.M.		9 h. P.M.		9 A.M.		9 P.M.		9 h. A.M.										
		Barometer.	Attached Ther- mometer	Barometer.	Attached Ther- mometer	Max.	Min.	Max. in Sun's rays.	Min. on Grass.	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. 8 inches.	No. 12 inches.	No. 22 inches.						
		* 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.
	1	29.050	59	28.920	60	81	48	75		56	51	51	49		W. 2.	N. 1			Stly Cu	Drct										1		
	2	28.670	59	28.670	59	60	52	69		55.5	53.5	55	52	0.6	Caln	SW. 1.5			Drct	N. 1										2		
	3	28.490	59	28.400	60	64	52.5	102		60	53.5	54	51.5	1.0	W. 2.	N. 1.			N. 10	N. 10										3		
	4	28.410	60	28.500	60	58	50	81		59.5	52	55	54	1.5	S. 0.5	Caln			N. 10	N. 10										4		
	5	28.520	60	28.490	63	56	52.0	59		58.5	53.5	54.5	53	2.0	Drct	Drct			Drct	Drct										5		
	6	28.520	63	28.600	63	65	57.5	105		55	53	54.5	53	0.8	Caln	N. 0.5			N. 10	N. 10										6		
	7	28.780	62	28.870	63	68	52	101		58	55	55	51.5	1.0	Dr				N. 10	N. 10										7		
	8	28.950	63	28.880	63	68	48.5	122		61.5	56	53	51		Dr	Caln			N. 10	N. 10										8		
	9	28.650	62							2	2	2	2		Dr	2			Drct	2											9	
	10	28.700	63	28.700	63	65	50	118		55.5	54.5				Caln				N. 10	N. 10											10	
	11	28.510	63	28.470	63	71	51	108		61.5	59.5	57	57	0.48	S. 1.05	Dr			N. 10	N. 10											11	
	12	28.580	62	28.690	63	64	50.5	74		58	55	57	52.5	0.5	N. 1.5	N. 1.5			N. 10	N. 10											12	
	13	28.720	62	28.800	62	62	52	112		58	53	54	53	0.1	W. 0.5	Caln			N. 10	N. 10											13	
	14	28.150	63	28.150	63	64	44	84		58	53			0.2	Dr				N. 10	N. 10											14	
	15	28.240	62	28.770	62	67	48	103		61	58	59	57	0.3	Caln	Dr			N. 10	N. 10											15	
	16	28.200	62	28.220	64	69	54	117		64	61				N. 1.				N. 10	N. 10											16	
	17	28.200	63	28.200	66	76	60	124		61	56	61	60		Dr	S. 0.5			N. 10	N. 10											17	
	18	28.200	66	28.090	68	74	57	117		66	62	63	57	0.26	W. 1.5	N. 1.5			N. 10	N. 10											18	
	19	28.090	66	28.100	66	67	57.5	100		61	55	59.5	57		S. 0.5	N. 1.5			N. 10	N. 10											19	
	20	28.160	66	28.120	66	70	56	103	54	63	59.5	59.5	55		N. 1.	N. 1.			N. 10	N. 10											20	
	21	28.120	2	28.060	66	67	57	83.5	52.5	63	59.5	59	57	0.2	N. 1.				N. 10	N. 10											21	
	22	28.900	65	28.820	65	68	55	99	55	62	59.5	58.5	55	0.80	N. 0.5	N. 0.5			N. 10	N. 10											22	
	23	28.750	64	28.800	65	66	48.5	114	48.5	61	59	53.5	52.5		Caln	N. 0.5			N. 10	N. 10											23	
	24	28.900	62	28.100	62	61	46	83.5	44	56	52	46.5	43.5	0.47	Dr	N. 1.5			N. 10	N. 10											24	
	25	28.160	61	28.140	61	64.5	43.5	100	41.5	58.5	51	51.5	48.5	0.39	N. 1.5	N. 1.			N. 10	N. 10											25	
	26	28.908	61	28.750	61	66.5	49	103	48	54.5	53.5	58	54.5	0.12	Caln	N. 0.5			N. 10	N. 10											26	
	27	28.550	61	28.630	62	65	57.5	103	50	57.5	57.5	54	51	0.72	N. 1.5	N. 1.5			N. 10	N. 10											27	
	28																															28
	29																															29
	30			28.980	63	66	49	81	48			55	52			N. 1.5																30
	31	29.000	63	29.050	63	61.5	53	102	52	66.5	53	56.5	53	0.27	N. 1.5	N. 1.5			N. 10	N. 10											31	
Sums.						131	114	111		104	114	134	104																			
						15	40	35		15	30	45	30																			
Means.																																
+ Total Corrections for Instrumental Errors.																																
+ Corrections for Diurnal Range.																																
+ "Corrected 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	

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction $\frac{1}{100}$ for Temp. (Col. 2), = 28.980

"Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{100}$ for Temp. (Col. 4), = 28.980

Mean at Station, corrected, and at 32°, = 28.980

Correction for height, feet above Mean Sea-level, = 380

Mean, reduced to 32°, and Sea-level, = 28.600

Highest Reading, corrected for Index error, on the th, = 28.980

Lowest Do. Do., on the th, = 28.410

Difference, or Monthly Range, = 0.570

S-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the th, = 81

Lowest in Month, corrected for Index errors, on the th, = 48

Difference, or Monthly Range, = 33

"Corrected Mean" of all the Highest, (Col. 5), = 68

"Corrected Mean" of all the Lowest, (Col. 6), = 57

Difference, or Mean Daily Range, = 11

** Calculated Mean Temperature of Month, = 62.5

S-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the th, = 102

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 81

Lowest at Night, Black Bulb (corrected for Index errors), on the th, = 48

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 53

Difference of above means or range ("exposed"), = 33

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 56.5

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 53.5

†† Computed Temperature of Dew-Point, = 53.5

†† Do. Elastic Force of Vapour, = 0.80

†† Do. Weight of Vapour in a Cubic Foot of Air, = 0.013

†† Relative Humidity (Saturation = 100), = 80

RAIN fell on 18 Days; Amount in Inches, = 5.80

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.											
P.M.											
Mean.											

Observations made and
Return verified byJames Murray
Northgate Villa, Edinburgh

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at

County of

Midlothian

in Lat.

Long.

Distance from Sea

6 miles.

Height of Cistern of the Barometer above Mean Sea-Level

380

feet, above Ground

4

feet.

During the MONTH of

September

1895.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER. <i>Anemid</i>				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. <i>Mention the hour at which Storms, including Thunder and Lightning, began and ended.</i>	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 A.M.		9 P.M.		9 h. A.M.		9 h. A.M.						9 P.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.	Readings of the H. Cup Anemometer.	Velocity (0-10), and Direction.	Amount (0-10), and Species.	Velocity (0-10), and Direction.	Amount (0-10), and Species.	SUNSHINE.					No. 3 inches.	No. 12 inches.	No. 22 inches.	Temperature of W.E.I. at depth of feet. No.	Temperature at 1 foot, and Density.	9 A.M.	9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci-cu.	cirro-cumulus.	n.	nimbus.
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.
h.-fr.	hoar-frost.	s.	sleet.
h.	haze.	sq.	squall.
h. d.	heavy dew.	so. ha.	solar halo.
h. l.	hail.	sq.	squall.
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 hard
1	Light air	3	Very fresh	6	Violent gale

BAROMETER, "corrected Mean" at 9 A.M., minus the Correction $\frac{1}{10}$ 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°, =

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

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

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

Lowest Do. Do. on the th, =

Difference, or Monthly Range, =

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 25th, =

Lowest in Month, corrected for Index errors, on the 21st, =

Difference, or Monthly Range, =

"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, =

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 25th, =

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

Lowest at Night, Black Bulb (corrected for Index errors), on the 21st, =

"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, =

Do. Elastic Force of Vapour, =

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

Relative Humidity (Saturation = 100), =

RAIN fell on 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.						3	11		15	52	
P.M.						4	16		10	81	
Mean.	0	0	0	0	0	4	13	0	13	67	

Observations made and

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea 6 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 6 feet.During the MONTH of October 1895.

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.	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. Read Daily, at 9 P.M.		Dry No.		Wet No.			9 h. A.M.		9 h. P.M.		9 A.M.		9 P.M.			9 h. A.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Thermometer. ° N.	Attached Thermometer.	Barometer. No.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sanitary No.	Min. on Grass. No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	No. of hours in which it fell.	No.	Direction.	Force.	Direction.	Force.	Readings of the H. Cup Anemometer No.	9 h. A.M.	9 A.M. Velocity (0-10) and Direction.	9 P.M. Amount (0-10), and Species.	9 P.M. Velocity (0-10) and Direction.	9 P.M. Amount (0-10), and Species.	Hours.	No. inches.	No. inches.			No. inches.	Temperature of Well at depth of feet. No.	Temperature at 1 fathom, and Dust.	9 A.M.	9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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BAROMETER, "corrected Mean" at 9 A.M., minus the Correction $\frac{1}{100}$ for Temp. (Col. 2), = _____

"Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{100}$ for Temp. (Col. 4), = _____

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

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

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

Highest Reading, corrected for Index error, on the _____ th, = _____

Lowest Do. Do. on the _____ th, = _____

Difference, or Monthly Range, = _____

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the _____ th, = 73.0

Lowest in Month, corrected for Index errors, on the 26 th, = 27.0

Difference, or Monthly Range, = 46.0

"Corrected Mean" of all the Highest, (Col. 5), = 49.8

"Corrected Mean" of all the Lowest, (Col. 6), = 36.2

Difference, or Mean Daily Range, = 13.6

** Calculated Mean Temperature of Month, = 43.0

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the _____ th, = 99.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 64.8

Lowest at Night, Black Bulb (corrected for Index errors), on the 28 th, = 25.0

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 34.8

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

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 42.4

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 40.0

Computed Temperature of Dew-Point, = 37.1

Do. Elastic Force of Vapour, = .221

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

Relative Humidity (Saturation = 100), = 82

Rain fell on 19 Days; Amount in Inches, = 3.58

WIND.	SUMMARY.									
	Direction.	N	NE	E	SE	S	SW	W	NW	Mean Force.
A.M.	4	1	2	-	2	-	9	3	10	.74
P.M.	4	1	3	1	-	-	12	6	4	.81
Mean.	4	1	2	1	0	10	5	7	7	.78

Observations made and Return verified by

Mrs. M. M. M.
Colinton

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. 55° 55' N, Long. 3° 15' W, Distance from Sea 6 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 4 feet.During the MONTH of November 1895.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER— <i>Anoid</i> .				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.		Velocity (0—10), and Direction.	Amount (0—10), and Species.	Velocity (0—10), and Direction.	Amount (0—10), and Species.	SUNSHINE. Hours.	9 h. A.M.					Temperature of Air at feet, No.	Temperature and Density.	0—10.						
		Barometer.	Attached Ther- mometer	Barometer.	Attached Ther- mometer	Max. No.	Min. No.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.				Direction.	Force.	Direction.	Force.						9 h. A.M.								9 h. P.M.	No. 3 inches.	No. 12 inches.	No. 22 inches.	9 A.M.	P.M.
	1	Omitted	29.120	56	44	30	49	26.5	36	35	34.5	33.5		Calm	Calm															1									
	2	29.050	52	28.910	55	48	31.3	48	26.5	37.5	37	41.5	40.5		S.E. 1.	S. 1.														2									
	3	28.760	52	28.550	58	42.5	33.5	46	32	37.5	37.5	39	38.5		Calm	Calm														3									
	4	28.500	52	28.410	57	42.5	33.5	43	31.5	35	35	40.5	40		do	do														4									
	5	28.220	53	27.730	56	51	39.5	54	38	45	45	45	43.5		S. 0.5	N.W. 1.5														5									
	6	27.630	54	27.930	58	51	45	49	33	47	47	48.5	45		N. 3.	N. 2.														6									
	7	Omitted	28.430	58	53	45	54	41.5	Omitted	46.5	45				Omitted	N. 1.5															7								
	8	28.500	55	28.550	61	51	34.5	54	29.5	41	39	45	43		Calm	N. 1.															8								
	9	28.370	56	28.400	60	49.5	34	47	31.5	44	43	41	39		do	N. 1.5															9								
	10	27.970	57	27.500	61	54	38	54	35	47.5	48.5	57.5	49.5		S.W. 2.	S.E. 2.															10								
	11	27.620	56	27.730	59	50	39	52	37.5	45	42	39.5	38.5		N. 2	N. 1.															11								
	12	28.500	55	27.600	57	45	36	45	34	39	38	42	41.5		N. 1.	N.W. 0.5															12								
	13	27.900	53	28.200	59	48	38	48	35	43	42	42	40.5		N. 0.5	N.W. 2.															13								
	14	28.010	54	28.320	57	46	32.5	45	32	42	40.5	39.5	37.5		N. 2.	N.W. 2.															14								
	15	28.350	52	27.930	56	57	43	52	34	45	42	48	44		S. 2.	N. 3															15								
	16	28.000	53	28.200	57	49	34	46	35	38.5	35	40	38		Calm	N. 3.															16								
	17	28.500	57	28.780	58	44.5	36.5	44	34	41	39	38.5	36.5		N. 2.	N. 2.															17								
	18	28.900	52	28.930	55	49	38	50	34	41	38.5	39.5	38		N. 0.5	N. 1.															18								
	19	28.400	52	28.780	55	41.5	32.5	38	30	37	35	41	38.5		S. 1.	S.E. 1.															19								
	20	28.600	52	28.620	56	47	39.5	49	40	45	42	47.5	46.3		S. 1.5	S. 2.															20								
	21	28.700	54	28.700	59	53	46	49	44	47	46	52	49		Calm																21								
	22	28.600	55	28.700	57	53	37	51	32	41.5	38.5	36.5	35.5		N. 0.5	N. 1.															22								
	23	28.900	53	29.050	56	42	34	40	28	38	35	40.5	40		Calm	Calm															23								
	24	29.100	52	29.200	56	43	36	43	32	39	37	39	36		S.E. 0.5	S.E. 0.5															24								
	25	29.120	53	Omitted				40	38	Omitted					S. 0.5																	25							
	26	29.000	53	28.900	56	43	32	44	37	41.5	39.5	41	38		S.E. 1.	S.E. 1.5															26								
	27	28.770	52	28.720	56	43	29	44	27	40	39	39.5	38.5		S. 0.5	S.E. 1.															27								
	28	28.650	53	28.540	58	45.5	39	46	39	42	42	44	43		S.E. 0.5	N. 1.															28								
	29	28.400	52	28.450	59	48	42	51.5	42	39	39	45	44.5		Calm	S.E. 0.5															29								
	30	28.400	53	28.450	58	46	41	47	38	46	45	41	40		do	N.W. 1.															30								
	31																															31							
Sums.						123	154	14	123	132	163	137	157	306																									
Means.						2120	2101	2125	96	335	70	660	210																										
+ Total Corrections for Instrumental Errors.																																							
+ Corrections for Diurnal Range.																																							
"Corrected 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								

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci-cu.	cirro-cumulus.	u.	nimbus.
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.	sqg.	squalls.
l.	lightning.	t.	thunder.
ll. 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 hard
1	Light air	3	Very fresh	6	Violent gale

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°, =

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

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

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

Lowest Do. Do., on the th, =

Difference, or Monthly Range, =

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 15th, =

Lowest in Month, corrected for Index errors, on the 1th, =

Difference, or Monthly Range, =

"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, =

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 5th, =

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

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

"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, =

† Do. Elastic Force of Vapour, =

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

† Relative Humidity (Saturation = 100), =

RAIN fell on 20 Days; Amount in Inches, =

* 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.
† Estimating corrections for both capillarity and Index Errors.
‡ The Diurnal Range for Scotland is as yet unknown.
§ Practically, though not absolutely a minus 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 byJ. Munro
Westgarth & Co. Colinton

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. _____, Long. _____, Distance from Sea 6 miles.Height of Cistern of the Barometer above Mean Sea-Level 380 feet, above Ground 4 feet.During the MONTH of December 1895.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER. <i>Aneroid</i>				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. <i>Mention the hour at which Storms, including Thunder and Lightning, began and ended.</i>	Days of Month.			
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		Dry No.		Wet No.			9 h. A.M.		9 h. P.M.		9 A.M.		7 P.M.		9 h. A.M.									
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. No.	Min. No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		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. 8 inches.	No. 12 inches.	No. 22 inches.							
		* No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.					No.		
	1	28.420	54	28.570	60	44	35	42	32	42.5	41.5	36.5	34.5	.02	N.W.	1.5	N.W.	0.5	0.5	2	1	4				Squally & light showers during day	1					
	2	28.550	52	28.700	56	49	37.5	48	32.5	41	39	48	46	.14	S.W.	1.	N.W.	3.	2	0	0					fall from S.W.	2					
	3	28.350	54	28.500	56	50	33.5	46	33	38.5	36.5	37.5	36.5	.19	N.	1.	N.W.	2.	0	0	0					Squally all day & showers of sleet.	3					
	4	28.220	52	28.000	55	49	35	46.5	38.5	42	41.5	47	46	.27	N.	1.5	N.W.	4.	0	0	0					do with showers of rain	4					
	5	27.750	54	27.840	55	47	34	49	32	43	40	35	33	.47	N.	1.5	N.W.	2.	0	0	0					do gale. flares at 10 P.M. Heavy fall at 4 A.M.	5					
	6	27.750	51	27.830	52	37	29	35	28	31	31	30	29	.15	N.W.	1.5	N.W.	1.5	0	0	0						6					
	7	28.100	48	28.500	58	36	28.5	37	24.5	32	31.5	28	28	.03	N.	1.	N.W.	1.	0	0	0					flares at 10 P.M. to 1 P.M.	7					
	8	28.650	48	28.670	57	35	27.5	34	23	30.5	30.5	37	34		N.	1.	N.W.	1.	0	0	0						8					
	9	28.250	50	28.270	55	42	32.5	46	29.5	44.5	44	39.5	37.5	.01	N.	3.	N.W.	1.5	0	0	0						9					
	10	28.400	50	28.350	56	42	36.5	39.5	32	39	37	37.5	36		N.W.	1.	N.W.	1.	0	0	0					Lunar halo & corona in morning.	10					
	11	28.520	50	28.540	53	44	36.5	43	33	39.5	39	37	35.8		N.W.	1.	N.W.	1.	0	0	0						11					
	12	28.000	50	27.970	56	41	32.5	38	30.5	37.5	36.5	33.5	32	.04	S.	1.5	S.	1.5	0	0	0					Squally & heavy showers during the day. flares at 10 P.M.	12					
	13	27.750	57	28.200	52	42	30.5	42	30	37	33	36.5	35	.06	N.W.	1.5	N.	1.	0	0	0						13					
	14	28.150	49	27.950	53	50	32.5	48	29.5	40	39	43	41		N.W.	1.	N.	1.	0	0	0					Squally & heavy occasional showers in afternoon.	14					
	15	27.600	52	27.450	50	44	33	41.5	30	38.5	38	36.5	34.5	.15	S.	1.	N.W.	1.5	0	0	0					do do showers during day	15					
	16	<i>omitted</i>		27.810	57	42	33.5	39	32	<i>omitted</i>	40	38.5			S.	1.5	S.	1.	0	0	0						16					
	17	28.220	52	28.410	53	42	36.5	42.5	34.5	39.5	39	39.5	38	.17	S.W.	1.	S.W.	1.5	0	0	0						17					
	18	28.440	52	28.500	53	41	34	40	32	38	37.5	37.5	36.5	.03	S.W.	0.5	S.	1.	0	0	0					Drizzly both day.	18					
	19	28.480	51	28.540	54	39	29.5	40.5	26	35	34.5	34	33.8	.03	S.W.	0.5	N.W.	1.	0	0	0					showing current in bud.	19					
	20	28.600	50	28.610	52	35	23.5	35	22	30.5	30.5	24	24		N.W.	1.	N.W.	1.	0	0	0					Fog during day.	20					
	21	28.520	49	28.500	54	33.5	22.5	31	20	27.5	27.5	32	31		S.	1.	S.	1.	0	0	0					do Frost.	21					
	22	28.370	48	28.390	53	35	25	33	22	32.2	31.8	33.5	31.5		S.	0.5	S.	1.5	0	0	0						22					
	23	28.340	48	28.350	50	40	32	37.3	30	36.8	35.2	37.5	37.5	.01	S.W.	1.	S.	1.	0	0	0					Slight shower of snow on hills.	23					
	24	28.280	47	28.270	48.5	39	34.5	36.3	34	36.5	35.5	36	32.3	.01	S.	2	S.	1.	0	0	0					Sleet 7-8 A.M. during day. Gale from 12 A.M. to 8 A.M. of 25th	24					
	25	28.430	46	28.500	52	37.5	33.5	35	33	36.5	32.5	35	32	.005	S.	4	S.	1.	0	0	0					Lunar Corona. Outside flares at 10 A.M.	25					
	26	28.590	47	28.670	52	36	31.5	34.5	31	34.5	32.5	34	32	.02	S.	3	S.	1.	0	0	0					Snow on hills & snow showers & gusty squalls during day	26					
	27	28.690	48	28.800	53	37	28	37	24.3	34	31.5	30.5	28.5	.01	S.	0.5	S.	1.	0	0	0						27					
	28	28.720	47	28.400	52	36	32	33	28	33	31	33	32		N.W.	1.	N.W.	1.	0	0	0						28					
	29	28.250	48	28.220	50	44.5	32.5	44	32	43	41.5	43.5	42	.20	N.W.	1.5	N.W.	0.5	0	0	0						29					
	30	28.100	48	28.200	53	45	39	43	38	40.5	40.5	39.8	39.8	.20	N.W.	1.	N.W.	1.	0	0	0						30					
	31	28.400	51	28.475	57	45	38.5	43	38	40	40	44.5	43	.22	S.	1.5	N.W.	1.5	0	0	0					flares at 10 A.M.	31					
Sums.						131	149	143	113	127	119	167	157	2.635																		
Means.						4.13	3.26	3.98	3.02	3.72	3.59	3.67	3.52																			
+ Total Corrections for Instrumental Errors.																																
+ Corrections for Diurnal Range.																																
"Corrected 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	31

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	enotes meteor.
ci.	cirrus.	ms.	meteors.
ci-cu.	cirro-cumulus.	n.	nebula.
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.	squall.
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.	squall.
l.	lightning.	t.	thunder.
h. cl.	light clouds.	t. s.	thunder-storm.
h. 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., minus the Correction \uparrow =
for Temp. (Col. 2), = _____
"Corrected Mean" of Barometer at 9 P.M., minus the Correction \uparrow =
for Temp. (Col. 4), = _____
Mean at Station, corrected, and at 32°, = _____
Correction for height, feet above Mean Sea-level, = _____
Mean, reduced to 32°, and Sea-level, = _____
Highest Reading, corrected for Index error, on the _____ th, = _____
Lowest Do. Do. on the _____ th, = _____
Difference, or Monthly Range, = _____

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the _____ th, = 50.0
Lowest in Month, corrected for Index errors, on the _____ th, = 22.5
Difference, or Monthly Range, = 27.5
"Corrected Mean" of all the Highest, (Col. 5), = 41.3
"Corrected Mean" of all the Lowest, (Col. 6), = 32.6
Difference, or Mean Daily Range, = 8.7
** Calculated Mean Temperature of Month, = 37.0
S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the _____ th, = 49.0
"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 39.8
Lowest at Night, Black Bulb (corrected for Index errors), on the _____ th, = 20.0
"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 30.2
Difference of above means or range ("exposed"), = _____

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 37.0
Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 35.6
†† Computed Temperature of Dew-Point, = 33.6
†† Do. Elastic Force of Vapour, = 1.93
†† Do. Weight of Vapour in a Cubic Foot of Air, = _____
†† Relative Humidity (Saturation = 100), = 88
RAIN fell on _____ Days; Amount in Inches, = 2.63

WIND.	SUMMARY.									
	Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
A.M.		-	-	2	9	2	2	5	2	9
P.M.		1	-	2	9	1	1	6	7	4
Mean.		1	0	2	9	2	2	5	4	6

Observations made and

Return verified by

(Signed) _____

