

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 1894.
 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.		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.		0-10.							
		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.			Temperature at 1 fathom, and tendency.
		inches.	°	inches.	°																9 h. A.M.												
	1	omitted	45	29.440	57	40	26.5	38	24	omitted	30.5	24	omitted	W	0.5	omitted	None	3														1	
	2	29.400	50	30.100	51	36	25	35	25	33	33	25	26	W	0.5	SS	0.5	brt	do	—												2	
	3	30.130	40	30.170	50	32	20	32	26	30	28	31	29.3	SS	0.5	SS	0.5	do	brt	—												3	
	4	30.000	44	29.860	46	34	25	32	28	32	31	29	31	SS	0.5	SS	1.5	do	do	—												4	
	5	29.600	42	29.250	45	32	24	30	25	30	28.5	27	26	SS	1.5	SS	1	do	do	—												5	
	6	29.140	39	29.250	47	24	8	27	00.5	11	14	14	14	SS	1.5	None	None	None	None	1												6	
	7	29.500	41	29.420	47	35	7.2	24	1	17.5	17.5	33	31	Calm	W	1.5	do	do	2													7	
	8	29.490	41	29.370	44	31	18	35.5	18	22	22	30.5	30	do	SS	1	do	brt	2													8	
	9	29.230	42	29.300	49	46	31	43.5	30	37	37.5	36	35.5	0.9	SS	1	28	1.	St. cus.	do	—											9	
	10	28.970	45	29.150	50.5	48.5	34	45.5	33.5	45.5	43.5	45	43.5	0.2	W	1.5	Calm	do	1													10	
	11	29.000	49	29.340	53	53	40.5	50	39	49	48	42	40.5	0.4	W	1.	8	0.5	St. 5	tw 2	—											11	
	12	29.150	50	29.420	54	53	39	46	37	46	44	46	42	0.2	SS	1	W	2.	St. 5	None	2											12	
	13	29.220	51	29.220	55	53	43	47.5	42	45	44.5	45	46	—	W	2	W	2	St. 5	tw 3	1											13	
	14	29.280	52	29.390	58	49	34	47	33	44.5	43	37.5	37	0.2	Calm	Calm	—	—	—	—	—	—										14	
	15	29.380	52	29.100	53	44	31	42.5	31	38.5	34	43.5	43	0.5	do	W	2	—	—	—	—	—										15	
	16	29.000	51	29.040	56	49	40	50	41	46	44	44.5	43	2.6	W	1.5	W	1.5	St. 5	tw 2	2											16	
	17	28.750	52	28.070	56	45	34	46	39	43	41	42	40.5	1.1	W	0.5	W	1.	St. 5	tw 10	1												
	18	28.800	52	29.120	55.5	48	36	46	35	40	39	40.5	39	0.2	W	0.5	W	1	St. 5	None	1												
	19	29.150	51	28.750	55	48	34	46	37.5	43	41	46	40	—	W	1	W	1.5	brt	brt	1											19	
	20	28.500	51	28.950	55	47	34	45	36.5	42	41	44.5	40	2.0	W	1.5	W	1.5	do	tw 10	3											20	
	21	29.050	51	28.950	57	47	37	46	34	44.5	43	35	36.5	0.2	W	1.5	W	1.5	St. 5	tw 10	—											21	
	22	28.800	53	28.950	56	39.5	34	40	29.5	36.5	35.5	34	32.5	1.7	W	1.5	W	0.5	None	tw 10	2											22	
	23	29.350	50	29.540	53	37	27	37	22	28.5	27	31	30	—	W	1.	W	1.	do	tw 10	2											23	
	24	29.150	48	29.000	54	49	30	47	24	40	39	45	46.5	—	W	1.	W	2.	brt	tw 10	—											24	
	25	29.070	49	28.820	54	49	33	46.5	32.5	40	39	56	35.3	—	W	1.5	W	1.	do	brt	1											25	
	26	28.980	50	28.860	51	40	29	39	28	32	31	39	35	2.8	W	0.5	W	2.	tw 5	None	1											26	
	27	28.570	50	28.700	54	50	33	47	32.5	49	47.5	37	35.5	2.5	W	3.	W	1.5	brt	brt	1											27	
	28	28.600	49	29.220	57	37	31	34	29	33.5	32.5	32.5	32	47	W	2.	None	—	—	—	—	—										28	
	29	omitted	28.675	53	43	29	40	27.5	omitted	42	40.5	—	—	W	1.5	W	1.5	brt	do	—													29
	30	28.750	48	28.720	52	43.5	30	41	30.5	37	35.5	34	33	—	W	2.	W	1.5	brt	do	—												30
	31	28.690	46	28.920	50	36	27	38	28	32	32	30.5	29.5	1.8	W	1.5	W	0.5	None	do	—												31
Sums.						865	947.5			2070	1670	2075	1706	2875				330		335													
Means.						42.8	33.8			37.4	36.0	37.4	36.1					1.06		1.08													
+ 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.	" 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.	" squall.		
fr.	" frost.	s.	" sleet.		
h.-fr.	" hoar-frost.	so. ha.	" snow.		
h.	" haze.	so. ha.	" solar halo.		
h. d.	" heavy dew.	sq.	" squall.		
hail.	" 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 $\frac{1}{2}$ for Temp. (Col. 2), = _____
 "Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{2}$ 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, _____ = 53.0
 Lowest in Month, corrected for Index errors, on the _____ th, _____ = 8.0
 Difference, or Monthly Range, _____ = 45.0
 "Corrected Mean" of all the Highest, (Col. 5), _____ = 42.8
 "Corrected Mean" of all the Lowest, (Col. 6), _____ = 33.8
 Difference, or Mean Daily Range, _____ = 9.0
 ** Calculated Mean Temperature of Month, _____ = 38.3
 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), _____ = 37.4
 Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), _____ = 36.0
 Computed Temperature of Dew-Point, _____ = 34.1
 Do. Elastic Force of Vapour, _____ = 1.96
 Do. Weight of Vapour in a Cubic Foot of Air, _____ = _____
 Relative Humidity (Saturation = 100), _____ = 88
 RAIN fell on _____ Days; Amount in Inches, _____ = 2.88

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.						6		2	13	5	4
P.M.			1	1	5			1	13	6	4
Mean.		0	1	1	5	0	2	13	5	4	10.2

Each instrument tested at the Office in Edinburgh bears the stamp "S.M.S.," and a number to be entered in the Reading; or the Number and Initials of the Maker may be here given.
 Enclosing corrections for both capillarity and Index Errors.
 The Diurnal Range for Scotland is as yet unknown.
 * "Corrected Mean" of Barometer at 9 A.M., minus the Correction $\frac{1}{2}$ for Temp. (Col. 2), = _____
 "Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{2}$ for Temp. (Col. 4), = _____
 While the Diurnal 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.

Observations made and Return verified by James Kincaid
Northgate Villa
Colinton.

(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 February 189____.
 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, 3 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. Cup Anemometer. No.	9 A.M.		P.M.		No. 3 inches.					No. 12 inches.	No. 22 inches.	Temperature of Well at depth of feet. No.
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max.	Min.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	9 h. A.M.			9 h. P.M.	Direction.	Force.	Direction.		Force.	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.	inches.	°	inches.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°			°	°	°
	1	29.46	28.90	51	45.5	30	44	26	35	33	44.5	43		0.03	W	1.5	W	2		but	but	—										1	
	2	29.09	29.00	52	51	39	54	36	45	42	47	45		1.5	W	1.5	W	2		to Cu	none	—										2	
	3	29.27	29.60	57	51.5	36	47	34	40	38	57.5	36		1.4	W	1	W	1.5		none	do	2										3	
	4	29.60	29.60	57	52	33.5	54	35	45	44	43.5	41.5		0.1	W	1.5	W	1.5		but	none	1										4	
	5	29.70	29.70	57	44.5	34.5	50	33	37	36	38.5	37.5		0.1	W	1	W	1.5		do	do	2										5	
	6	29.18	29.00	57	54	36	52	35.5	49	48	52.5	51.5		0.5	W	3	W	2		do	do	—										6	
	7	29.20	29.04	57	54	39	51	38	44	44	41	40		4.2	W	1.5	W	1		do	but	—										7	
	8	29.40	29.40	50	45	35	52	35	42	41	42	41.5		4.8	W	2	W	2		none	none	3										8	
	9	29.05	28.90	55	46	36.5	45	36	41	40	38	37		2.0	W	2	W	2		but	but	1										9	
	10	28.87	28.87	55	39.5	32	40	32	36	35	36	35		4.6	W	2	W	1		but	do	—										10	
	11	28.65	28.07	57	50	36	47	34	35.5	34.5	44	42		1.5	W	1	W	2		but	but	—										11	
	12	28.57	28.97	55	44.5	29	56	30	36	34	33	32		1.19	W	1	W	1		do	but	2										12	
	13	29.40	29.57	52	39	29.5	55	26	34	31	31.5	30.5		—	W	1	None			none	to Cu	2										13	
	14	29.65	29.60	51	40	24.5	70	21	30	28	31.5	31.5		—	Calm	0	0			do	but	3										14	
	15	29.57	29.54	52	40	30	47	30.5	34	34	39	39		—	0	0	0		overt	to 10.5	—											15	
	16	29.45	29.55	53	43.5	36.5	42	32.5	41	41	38	37		1.6	W	1	W	1.5		do	but	—										16	
	17	29.54	29.75	54	43	30	45	33	35.5	35	34.5	33		2.69	W	2	W	1		do	do	—										17	
	18	29.87	29.75	55	40	31	43	31	34	33	34.5	30.5		3.8	W	1	W	0.5		to Cu	to 10	3										18	
	19	29.93	29.82	52	37	25	38	27	30.5	28	35.5	35.5		—	W	1.5	W	1.5		to Cu	to Cu	2										19	
	20	29.56	29.86	52	42.5	32	42	33	40	38	38.5	37.5		—	W	1	Calm			to	but	1										20	
	21	29.74	29.80	52	45	36.5	46	26	39	38	40	39		0.1	W	1.5	W	1		to Cu	to Cu	2										21	
	22	29.40	29.80	52	46	35.5	76	31	39.5	36.5	37	36		—	W	2	W	2		none	to 2	3										22	
	23	29.40	29.80	52	47	35.5	57	34	41	39	37	30		0.1	W	1.5	W	2		to Cu	to Cu	1										23	
	24	29.10	29.20	53	38	29	52	29	33	32	33	31.5		1.0	W	1	W	1		to Cu	do	1										24	
	25	28.73	28.54	54	50	32	49	29	34.5	34.5	38.5	38		3.6	W	3	W	1.5		but	none	1										25	
	26	28.80	28.68	54	52	32	49	33	43	43	51.5	51		3.8	W	1	W	2		to Cu	but	—										26	
	27	28.87	29.13	53	52	33.5	53	31	40	40	38.5	38		—	W	1	W	1.5		but	none	1										27	
	28	29.20	29.10	52	43	31.5	45	31	39	38	38.5	38		1.7	W	1	W	1.5		to Cu	do	2										28	
	29																																29
	30																																30
	31																																31
Sums.					103	125	12	111	112	121	147	125		49		3		4															
					155.5	78.5	140.6	54.25	35	19.5	25.15	20.5		7.555		35.5		36.5															
Means.					44.6	32.8	50.2	31.5	38.3	37.1	39.0	37.9				1.27		1.30															
+ 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.	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.	depression.	s.	stratus.		
f.	fog.	sc.	scud.		
h.-fr.	hoar-frost.	s.	sleet.		
h.	haze.	so. ha.	solar halo.		
h. d.	heavy dew.	sq.	squall.		
hl.	hail.	sqa.	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 gale
1	Light air	3	Very fresh	6	Violent gale

NOTATION USED IN GENERAL REMARKS.

a.	denotes anom.	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.	frosts.	s.	sleet.
h. fr.	hoar-frost.	s.	snow.
h.	haze.	so. ha.	solar halo.
h. d.	heavy dew.	sq.	squall.
hl.	hail.	sjs.	squalls.
li. cl.	lightning.	t.	thunder.
li. sh.	light showers.	t. s.	thunder-storm.
lu. co.	lunar corona.	w.	wind.
lu. ha.	lunar halo.	g.	gale of wind.

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, = 54.0
 Lowest in Month, corrected for Index errors, on the _____ th, = 24.5
 Difference, or Monthly Range, = 29.5
 "Corrected Mean" of all the Highest, (Col. 5), = 44.6
 "Corrected Mean" of all the Lowest, (Col. 6), = 32.8
 Difference, or Mean Daily Range, = 11.8
 ** Calculated Mean Temperature of Month, = 38.7
 S.R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the _____ th, = 76.0
 "Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 50.2
 Lowest at Night, Black Bulb (corrected for Index errors), on the _____ th, = 21.0
 "Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 31.5
 Difference of above means or range ("exposed"), = _____

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 38.6
 Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 37.5
 ** Computed Temperature of Dew-Point, = 36.3
 ** Do. Elastic Force of Vapour, = 213
 ** Do. Weight of Vapour in a Cubic Foot of Air, = _____
 ** Relative Humidity (Saturation = 100), = 93
 RAIN fell on _____ Days; Amount in Inches, = 7.56

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	18	1	3	1.27	
P.M.					1		5	17	1	4	1.30	
Mean.		0	0	0	2	0	4	17	1	4	1.28	

1.64

Observations made and Return verified by James Macleay
Antony R. R. Colinton

(Signed)

The Hours of Observation are of Greenwich Time.

* 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 *capillary* and *lateral* 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*.

(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 April 189 4.

The Hours of Observation are of Greenwich Time.

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.		Dry No.		Wet No.			9 h. A.M.		9 h. P.M.		9 h. A.M.		P.M.		9 h. A.M.								
	No.	Barometer.	Attached Thermometer.	No.	Barometer.	Attached Thermometer.	No.	Max.	Min.	No.	Max.	Min.		No.	Max.	Min.	No.	Max.	Min.	No.	Max.	Min.	No.	Max.					Min.	
1	29.600	57.5	29.630	62	58.5	37.5	99	30.5	46.5	44	42.5	41.5	0.3	W	1.5	Caln	brt	None	4	Shower in afternoon						1				
2	29.550	56	29.450	58	56	33	95	31	47	42	41	39	0.2	SE	0.5	Do	Do	Do	3							2				
3	29.460	55	29.510	67	44.5	37	50	35.5	44.5	44.5	39.5	39.5	—	Caln	0.5	Do	7 of	7 of	—							3				
4	29.650	54	29.750	56	?	?	52	42	41	40	42	41.5	—	Do	Caln	Do	brt	brt	—							4				
5	29.820	54	29.850	56	52	37	91	36.5	44.5	43.5	39.5	37.5	—	SE	1.	SE	1.	Do	1							5				
6	29.650	52.5	29.650	56	40	35	66	38.5	42.5	41	40	38	0.2	SE	1.	SE	0.5	brt	10							6				
7	29.670	52	29.510	56	48	39	67	38.5	46	42	40.5	39.5	—	SE	1.	SE	1.	brt	10							7				
8	29.440	54	29.370	58	45	37.5	54	38.5	41	40.5	40.5	41	0.3	SE	0.5	7 of	brt	brt	—	Drill close & misty during day						8				
9	29.290	54	29.350	67	55	37.5	81.5	39	45.5	45.5	48	45	0.2	Caln	1.5	SE	1.5	brt	2							9				
10	29.400	55.5	29.420	67.5	61	45	98.5	43	54	49	47.5	46.5	—	SW	1.5	Caln	brt	brt	4	Barometer & Hygrometer at 10 P.M.						10				
11	29.420	58	29.350	60	66	44	116	42	58	52	46	44	—	SE	0.5	SE	0.5	brt	—							11				
12	29.300	56	29.450	57	60	40	94	40	45	45	42	40.5	—	SE	0.5	SW	1.5	brt	—							12				
13	29.300	53	omitted	omitted	omitted	omitted	omitted	omitted	45	40	44	37	—	SE	0.5	SE	1	brt	3							13				
14	29.130	52	29.040	54	55	32.5	90	30.5	45	44	49.5	46.5	—	SE	1.5	SW	1.	brt	5							14				
15	29.110	54	29.050	59	58	38.5	113	36	52.5	40.5	44.5	42.5	0.2	SE	0.5	SW	1.	brt	2							15				
16	28.910	55	28.800	58	58	36.5	75.5	33.5	46.5	44.5	42.5	42.5	0.3	Caln	SE	1.	brt	1	Drizzle red black clouds above							16				
17	28.780	55	omitted	omitted	omitted	omitted	omitted	omitted	46	45	omitted	omitted	—	Do	SE	1.	brt	2								17				
18	29.160	55	29.400	58	51.5	40.5	83	41	45	45	43.5	43	0.7	SE	0.5	SE	0.5	brt	—	Rain 2.15 from 9 am to 9 P.M.						18				
19	29.550	55	29.580	58.5	56	35.5	109	41	48	43	44.5	42	0.2	Caln	None	None	None	6	Set very red. Hygrometer at 10.30.							19				
20	29.550	56.5	29.450	60	59	35	103	34	52	47	48	44	—	SE	0.5	Caln	None	Do	8	Thunder & heavy rain 5-6 P.M.						20				
21	29.450	56.5	29.390	60	63.5	34.6	90	33	46	44	49	44	—	Caln	SE	1.5	brt	6								21				
22	29.320	59	29.200	61	55	34	92.3	33.5	46	43	41	38.5	—	SE	1.5	SE	2.	brt	4	Jodineal light in NW at 9.40.						22				
23	29.050	67.5	29.120	60	46	39	67	39	44	42	41.5	40	—	SE	1.	SE	1.	brt	—							23				
24	28.180	55.5	28.900	57	50	35	76	40	46	43.5	45	40.5	0.3	SE	1.	SE	2.	brt	1	Thunder in NW at 7 P.M.						24				
25	28.650	55.5	28.550	57	58.5	38.5	93	37	57	43	46	41	0.2	SW	1.5	SW	3.	brt	3							25				
26	28.900	55	28.970	58	60	43	101	43	49	44	47	43	—	SE	—	SE	1.5	brt	5							26				
27	28.850	56	29.000	58	56	34	111	32	49.5	40.5	45.5	43	—	SE	—	Caln	brt	8								27				
28	29.270	57	29.330	59	59	37	114	37	59	48	50.5	44.5	—	SE	—	SE	0.5	brt	10	R. at 2 P.M.						28				
29	29.300	60	29.300	65	59.5	47	59	47	51	48	50.5	47	0.3	SW	1.	SE	0.5	brt	5	Thunder at Colinton at 11 A.M.						29				
30	29.500	55	29.620	57.5	57.5	44	110	44	49.5	46.5	47	41.5	0.3	SE	0.5	SE	1.	brt	6							30				
31																										31				
Sums.					138.5	16	248.6	11	265	15	12	12	13	7	5				99											
Means.					55.1	38.0	88.6	37.7	47.6	44.4	44.4	41.8		0.63	0.83															
+ 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. n. nimbus.
ci.-cu. cirro-cumulus. r. rain.
cu.-s. cirro-stratus. h. r. heavy rain.
cu. cumulus. c. h. r. continued heavy rain.
cu.-s. cumulo-stratus. s. stratus.
d. dew. sc. scud.
f. fog. s. sleet.
fr. frost. s. snow.
h.-fr. hour-frost. so. ha. solar halo.
h. haze. sq. squall.
h. d. heavy dew. sqs. squalls.
l. hail. t. thunder.
li. cl. lightning. t. s. thunder-storm.
li. sh. light showers. w. wind.
lu. co. lunar corona. g. gale of wind.
lu. ha. lunar halo.

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 11 th, = 66.0

Lowest in Month, corrected for Index errors, on the 14 th, = 32.3

Difference, or Monthly Range, = 33.7

"Corrected Mean" of all the Highest, (Col. 5), = 55.1

"Corrected Mean" of all the Lowest, (Col. 6), = 38.0

Difference, or Mean Daily Range, = 17.1

** Calculated Mean Temperature of Month, = 46.5

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), = 46.0

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 43.1

** 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 13 Days; Amount in Inches, = 1.27

WIND.		SUMMARY.					
Direction.		N	NE	E	SE	S	SW
A.M.				1	8	5	2
P.M.				1	2	5	1
Mean.		0	1	2	6	3	3

0.63

Observations made and
Return verified byJames Hume
Colinton

(Signed)

The Hours of Observation are of Greenwich Time.

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of **Dry Bulb**, (Cols. 9 and 11), = 44.6
Mean (corrected) A.M. and P.M. Reading of **Wet Bulb**, (Cols. 10 and 12), = 42.4
 †† 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 22 Days; Amount in Inches, = 3.02

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		5		1	7	8	6	65	
P.M.		2	5	4			8	7	4	84	
Mean.	1	2	3	4	0	1	7	8	5	74	

Observations made and
Return verified by { *J. M. Mearns*
Colinton

(Signed) _____

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Edinburgh, 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 June 1894.

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 Deposition 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.		P.M.		9 h. A.M.		Temperature of Well at depth of feet, No.			Temperature of Air, and Dew.					0—10.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		Barometer. * No.	Attached Thermometer.	Barometer. No.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sun's 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. No.	Amount in inches. No.	9 h. A.M.	9 h. P.M.	Readings of the H. Cup Anemometer. No.	9 h. A.M.	Amount (0—6) and Direction. No.	Amount (0—10), and Species. No.	Velocity (0—10), and Direction. No.	Amount (0—10), and Species. No.	SUNSHINE. Hours.	No. 8 inches.	No. 12 inches.	No. 22 inches.	Temperature of Well at depth of feet, No.	Temperature of Air, and Dew.	9 A.M.		9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		inches.	°	inches.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

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.	c. h. r.	" continued heavy rain.
cu-s.	" cumulo-stratus.	s.	" squall.
d.	" dew.	s.	" stratus.
f.	" fog.	sc.	" secund.
fr.	" frost.	s.	" sleet.
h.-fr.	" hoar-frost.	so. ha.	" solar halo.
h.	" haze.	sq.	" squall.
h. d.	" heavy dew.	sq.	" squalls.
hl.	" hail.	t. s.	" thunder-storm.
l.	" lightning.	w.	" wind.
li. cl.	" light clouds.	g.	" gale of wind.
li. sh.	" light showers.		
lu. co.	" lunar corona.		
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 _____, = _____

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

Difference, or Monthly Range, = _____

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 30th, = 74.5

Lowest in Month, corrected for Index errors, on the 6th, = 45.0

Difference, or Monthly Range, = 29.5

"Corrected Mean" of all the Highest, (Col. 5), = 60.5

"Corrected Mean" of all the Lowest, (Col. 6), = 46.4

Difference, or Mean Daily Range, = 14.1

** Calculated Mean Temperature of Month, = 53.4

S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 26th, = 122.0

"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 87.8

Lowest at Night, Black Bulb (corrected for Index errors), on the 6th, = 35.0

"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 45.4

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

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 53.0

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 49.8

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 15 Days; Amount in Inches, = 1.61

WIND.		SUMMARY.							
Direction.		N	NE	E	SE	S	SW	W	NW
A.M.	1			6	3	1	4	8	1
P.M.		1	4	2	1	2	3	6	11
Mean.	1	1	5	2	1	3	5	4	8

0.31

Observations made and
Return verified byJames Murray
Edinburgh

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Edinburgh, County of Midlothian, in Lat. 55° 55' N, Long. 3° 10' W, Distance from Sea 189 miles.
Height of Cistern of the Barometer above Mean Sea-Level 66 feet, above Ground 66 feet.
During the MONTH of July 1894.
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.		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 Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max. in Sun/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.	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.
		* No.		No.		No.	No.	No.	No.													9 h. A.M.											
		inches.		inches.																													
	1	29.930	64	29.840	66	73	51.5	120	52.5	56	55	57.5	56	01	9	1	9	0.5	brct	none	8										1		
	2	29.750	64	29.650	66	69	51.5	119	51.5	58	56.5	59	58	—	9	0.5	None		brctmist	brct	1										2		
	3	29.670	65	29.720	65	64	51	116.5	50.5	60.5	54	53	49	23.5	brw	0.5	brw	1	brct	brct	10										3		
	4	29.700	65	29.700	65	68	47	102	45.5	61	66	60	55	—	brw	0.5	brw	1.5	brct	brct	4										4		
	5	29.650	65	29.660	65	69	56	91	55.5	61	56.5	60	55	—	brw	1.5	brw	0.5	brct	brct	3										5		
	6	29.620	65	29.500	67.5	78	60	126	58.5	69	59.5	58	57	—	brw	1	brw	1	brct	brct	8										6		
	7	29.530	61.5	29.550	61	67	53	114	51	62	55	53.5	49	24	brw	1	brw	1.5	brct	brct	10										7		
	8	29.570	61	29.600	66	61	46.5	94.5	45	57	53.5	55	52	—	brw	1	brw	1	brct	brct	3										8		
	9	29.500	64.5	29.370	65	67	52	118	51	64.5	55.5	56	55	—	brw	0.5	brw	1	brct	brct	3										9		
	10	29.250	64	29.130	63	57	53	66	52	56.5	55	55	54	14	brw	0.5	brw	1	brct	brct	2										10		
	11	29.000	63	28.970	63	64.5	51.5	100.5	50.5	56.5	54.5	56.5	53.5	0.8	brw	1	brw	0.1	brct	brct	2										11		
	12	28.980	63.5	29.000	64	65	51.5	100	50	61.5	56.5	55	53	—	brw	0.5	brw	1.5	brct	brct	2										12		
	13	29.007	63	29.220	64	68	51	112	51	57	53	53	51	—	brw	2	brw	1.5	brct	brct	3										13		
	14	29.300	63	29.400	65	65	53.5	85.5	51.5	57.5	54.5	57	55	—	brw	0.5	brw	0.5	brct	brct	1										14		
	15	29.450	63.5	29.520	64	68	53	104.5	52	58.5	56	54	49	—	brw	0.5	brw	1	brct	brct	2										15		
	16	29.400	62.5	29.200	63	66	46	76.5	46	55	54	56	54	11	brw	0.5	brw	1	brct	brct	1										16		
	17	29.200	62.5	29.200	63	63	52	101	50	58	55	53	50.5	5.6	brw	1	brw	1	brct	brct	—										17		
	18	29.200	62	29.300	64	65	50	101	49	58.5	54.5	56.5	53.5	—	brw	1	brw	1	brct	brct	—										18		
	19	29.320	62	29.400	64	66	49.5	113	48	59	51.5	56	53	—	brw	1	brw	1	brct	brct	—										19		
	20	29.420	63	29.440	63	66	43.5	119	48	59	54	54.5	51.5	—	brw	1	brw	1.5	brct	brct	4										20		
	21	29.420	63	29.400	63	71.5	47	127	44	64.5	57	53	51	8.0	brw	0.5	brw	0.5	brct	brct	4										21		
	22	29.500	63	29.550	63.5	—	46	115	45	60	54.5	53	51	35.5	brw	0.5	brw	0.5	brct	brct	4										22		
	23	29.570	63	29.670	63	64	47	119	45	66.5	53	53.5	52	5.5	brw	1.5	brw	0.5	brct	brct	6										23		
	24	29.670	63	29.700	62	62	50	85	50	57	54.5	55.5	54.5	—	brw	0.5	brw	1	brct	brct	5										24		
	25	29.670	65	29.620	62	57	53.5	62	53.5	55	54	55	55	0.1	brw	0.5	brw	1	brct	brct	—										25		
	26	29.570	61.5	29.570	62.5	61	53.5	76	53	60.5	60	59	57	1.4	brw	1	brw	1	brct	brct	—										26		
	27	29.570	63	29.620	63	64	55.5	96	56	58	56.5	57	56.5	0.1	brw	0.5	brw	1	brct	brct	2										27		
	28	29.650	62.5	29.700	64	66	53	120	52	69	57.5	55	54.5	—	brw	0.5	brw	1	brct	brct	4										28		
	29	29.700	63	29.670	63	62	53	73	53	58	57	55	54	0.2	brw	1	brw	0.5	brct	brct	1										29		
	30	29.700	63	29.610	65	66	44	115	47	53	52.5	56	55	—	brw	0.5	brw	1	brct	brct	4										30		
	31	29.600	65	29.550	69	66	48.5	100	48	62	56.5	56	55	—	brw	0.5	brw	1	brct	brct	4										31		
Sums.						161	116	1012	114	165	158	153	153	33																			
Means.						1700	100	548	075	2895	1650	1775	195	5.26																			
+ Total Corrections for Instrumental Errors.																																	
+ Corrections for Diurnal Range.																																	
"Corrected Means."						65.5	50.3	1050	50.2	593	55.3	557	53.5																				
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-cn.	" cirro-cumulus.	n.	" nimbus.
ci-s.	" cirro-stratus.	r.	" rain.
cu.	" cumulus.	c. h. r.	" heavy rain.
cu-s.	" cumulo-stratus.	s.	" squalls.
d.	" dew.	sc.	" scud.
f.	" fog.	s.	" sleet.
h.-fr.	" hoar-frost.	so. ha.	" solar halo.
h.	" haze.	sq.	" squall.
h. d.	" heavy dew.	sq.	" squalls.
hl.	" hail.	t.	" thunder.
l.	" lightning.	t. s.	" thunder-storm.
li. cl.	" light clouds.	w.	" wind.
li. sh.	" light showers.	g.	" gale of wind.
lu. co.	" lunar corona.		
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-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.	so. ha.	solar halo.
h.	haze.	sq.	squall.
h. d.	heavy dew.	sq.	squalls.
hl.	hail.	t.	thunder.
l.	lightning.	t. s.	thunder-storm.
li. cl.	light clouds.	w.	wind.
li. sh.	light showers.	g.	gale of wind.
lu. co.	lunar corona.		
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), = 29.550
"Corrected Mean" of Barometer at 9 P.M., minus the Correction \ddagger for Temp. (Col. 4), = 29.550
Mean at Station, corrected, and at 32', = 29.550
Correction for height, feet above Mean Sea-level, = 66
Mean, reduced to 32', and Sea-level, = 29.550
Highest Reading, corrected for Index error, on the 6th, = 29.930
Lowest Do. Do., on the 31th, = 29.600
Difference, or Monthly Range, = 0.330

S.-R. THERMOMETER, (in shade, etc.), Highest in Month, (corrected for Index Errors), on the 6th, = 78.0
Lowest in Month, corrected for Index errors, on the 20th, = 43.5
Difference, or Monthly Range, = 34.5
"Corrected Mean" of all the Highest, (Col. 5), = 65.5
"Corrected Mean" of all the Lowest, (Col. 6), = 50.3
Difference, or Mean Daily Range, = 15.2
** Calculated Mean Temperature of Month, = 57.9
S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 6th, = 78.0
"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 65.5
Lowest at Night, Black Bulb (corrected for Index errors), on the 20th, = 43.5
"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 50.3
Difference of above means or range ("exposed"), = 15.2

HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 57.6
Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 54.4
†† Computed Temperature of Dew-Point, = 50.3
†† Do. Elastic Force of Vapour, = 0.8
†† Do. Weight of Vapour in a Cubic Foot of Air, = 0.015
†† Relative Humidity (Saturation = 100), = 75
RAIN fell on 14 Days; Amount in Inches, = 5.26

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.				6	1	3	2	12	2	5	68
P.M.				2	4		5	12	1	7	68
Mean.		0	1	5	0	2	3	12	2	6	68

Observations made and
Return verified by

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Colinton, County of Midlothian, in Lat. 55° 55' N, Long. 3° 15' W, Distance from Sea 189.4 miles.Height of Cistern of the Barometer above Mean Sea-Level 100 feet, above Ground 100 feet.During the MONTH of August 1894.

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 h. A.M.		9 h. P.M.			9 h. A.M.												
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max.	Min.	Max. in Sunways.	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.	Readings of the H. Cup Anemometer.	Velocity (0-10), and Species.		Amount (0-10), and Species.	Velocity (0-10), and Species.	Amount (0-10), and Species.					No. 3 inches.	No. 12 inches.	No. 22 inches.	Temperature of Wet at each of 1st, 2d, and 3d.	Temperature of Air and Dew.	0-10.
		No.	inches.	No.	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	29.470	68	29.360	66	69	55	8.8	53	61	58.5	59.5	57.5	.17	So	0.5	N. 0.5																1			
	2	29.370	65	29.005	64	64	53	101	51.5	60	56	54	54	.05	Calm	Calm																	2			
	3	29.007	63	29.260	63	65	52	101.5	51	53	52.5	59	57	1.22	N. 0.5	N. 1																	3			
	4	29.32063	29.320	63	64	53.5	99	51.5	58	54	54	51.5		.04	N. 1.5	N. 1																	4			
	5	29.400	63	29.320	63	64	49.5	104.5	47.5	57.5	51	51	51		N. 1.5	N. 1.5																	5			
	6	29.320	63	29.400	63	65	52	105	48	62	54	54.5	51		N. 0.5	N. 1																	6			
	7	29.400	63	29.360	63	63	50	108	47	60.2	53.5	54.5	51.5		N. 0.5	N. 1.5																	7			
	8	29.280	63	29.225	64	70	53	111	52	58	56	61	56		N. 1.5	N. 0.5																	8			
	9	29.210	63.5	29.380	65	67	53	98	50	58	56.5	55.5	54.5		N. 1	Calm																	9			
	10	29.520	63	29.570	62	65	53	107	52	57	54.5	54	49		N. 0.5	N. 1																	10			
	11	29.560	61.5	29.550	61.5	60.5	48.5	91	46	54.5	57.5	53	52		N. 1	N. 1.5																	11			
	12	29.470	61	29.350	62	65	53.5	91.5	51.5	56	53	53	52.5		N. 1.5	N. 1.5																	12			
	13	29.465	62	29.500	62	64	49.5	104.5	46	60	51.5	56.5	53.5		N. 1.5	N. 1.5																	13			
	14	29.140	63	28.900	62	64	49.5	104	49	58.5	57.5	54	52		N. 1.5	N. 2																	14			
	15	28.840	62	29.110	61	61	50	74	48	50.5	49	53	52		N. 0.5	N. 1																	15			
	16	omitted		29.500	60.5	63.5	48.5	107	45.5	54.5	52.5	50	46.5		omitted	N. 1																	16			
	17	29.500	60	29.580	60	64	44	89	41	52.5	51	52	50		N. 0.5	N. 1.5																	17			
	18	29.570	60	29.580	60.5	64	48	106	45	58	53	51	50		N. 0.5	N. 1.5																	18			
	19	29.440	60	29.358	60.5	65	51	96	49	53.5	51	52	50		N. 1	N. 1.5																	19			
	20	29.360	59	29.450	60	65	47	115	44	56	50	50	47		N. 1	N. 1																	20			
	21	29.400	59	29.350	60	60	45.5	98	42.5	53	49	48.5	47.5		N. 0.5	Calm																	21			
	22	29.400	59	29.500	60	64	44	124	41	57.5	51	51	48		Calm	do																	22			
	23	29.550	59	29.550	60	61.5	42	113	40.5	60	55	51.5	50		N. 0.5	N. 1																	23			
	24	29.600	59	29.690	59	60	41.5	113	40	55.5	50.5	48.5	46.5		N. 0.5	N. 1																	24			
	25	29.700	59	29.650	59	58	42.5	110	39.5	57	51	45	43		N. 1	N. 0.5																	25			
	26	29.590	59	29.580	57	53	42.5	59	40.5	54.5	48.5	48.5	48.5		N. 1	N. 0.5																	26			
	27	29.600	57	29.650	57	57	49	80	48.5	52	50	51	48.5		Calm	Calm																	27			
	28	29.680	57	29.640	58	62	49	85	49.5	53	49.5	53	52		N. 0.5	N. 0.5																	28			
	29	29.600	58	29.600	59	63	49.5	81	46	57	53	53	50.5		N. 1	N. 1																	29			
	30	29.600	59	29.600	60	65	52.5	95	49.5	57	53	53	50.5		Calm	N. 1																	30			
	31	29.605	60	29.580	61	65	50.5	101	48	58	54	52.5	51.5		N. 0.5	N. 0.5																	31			
	Sums.													3.6																						
	Means.													4.05																						
	+ 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.	ma.	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. d.	haze.	so. ha.	solar halo.
hl.	heavy dew.	sq.	squall.
hl.	hail.	sqs.	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 $\frac{1}{100}$ for Temp. (Col. 2), = 29.431"Corrected Mean" of Barometer at 9 P.M., minus the Correction $\frac{1}{100}$ for Temp. (Col. 4), = 29.431Mean at Station, corrected, and at 32, = 29.431Correction for height, feet above Mean Sea-level, = 100Mean, reduced to 32", and Sea-level, = 29.431Highest Reading, corrected for Index error, on the 25th, = 29.700Lowest Do. Do., on the 15th, = 28.840Difference, or Monthly Range, = 0.860S.-R. THERMOMETER, (in shade, etc.) Highest in Month, (corrected for Index Errors), on the 8th, = 8.8Lowest in Month, corrected for Index errors, on the 25th, = 4.6Difference, or Monthly Range, = 4.2"Corrected Mean" of all the Highest, (Col. 5), = 5.5"Corrected Mean" of all the Lowest, (Col. 6), = 4.6Difference, or Mean Daily Range, = 0.9** Calculated Mean Temperature of Month, = 5.5S.-R. THERMOMETER, Black Bulb in Sun, Highest, (corrected for Index Errors), on the 8th, = 101"Corrected Mean," (Col. 7), of Black Bulb, Max. in Sun, = 88Lowest at Night, Black Bulb (corrected for Index errors), on the 25th, = 46"Corrected Mean," (Col. 8), of Black Bulb, Min. on grass, = 51Difference of above means or range ("exposed"), = 42HYGROMETER, Mean (corrected) A.M. and P.M. Reading of Dry Bulb, (Cols. 9 and 11), = 57.5Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 54.5Computed Temperature of Dew-Point, = 51.5Do. Elastic Force of Vapour, = 0.86Do. Weight of Vapour in a Cubic Foot of Air, = 0.001Relative Humidity (Saturation = 100), = 86RAIN fell on 20 Days; Amount in Inches, = 4.05

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.		0	0	0	3	0	2	1	4	5	
P.M.		4	0	3	1	0	2	13	2	6	
Mean.		2	0	2	2	0	2	13	3	5	

Observations made and
Return verified byJames Murray
Westgarth Villa, Colinton

(Signed)

Colchester
Oct 1896

As the germination and growth of crops and plants generally depend greatly on the temperature of the soil,—the amount and constancy—the Council recommend that observations in this interesting department be made at least at 9 A.M., by Thermometers permanently fixed in the soil, the stems of which are sunk to depths of 3, 12, and 20 inches, and the stems above ground protected from the sun's rays, and fitted with sloping wire netting collars, to prevent rain-water being conveyed to the bulbs by the stems or wooden frames.

A knowledge of the Temperature of the Sea is not only in itself important to that of our island, a most interesting branch of its relations to that of other islands, but also a very important factor in the science of Meteorology. The Council therefore have recommended that the Temperature of the Sea be ascertained carefully, by a properly constructed apparatus, from boats, or from piers and rocks, under such circumstances as indicate that it is not influenced by that of river water, and as indicated possibly by currents sweeping along the coast, and thus acquiring the temperature of the land, either greatly heated by the action of normal radiation. At or near theme of highest heat, or cooled by nocturnal radiation.

EDINBURGH, *December 1891.*

OBSERVATIONS IN CONNECTION WITH THE PERIODICAL RETURN OF THE SEASONS.

[illegible]

zoonotic diseases prevails among cattle, and the agricultural condition of the district generally.

To the SECRETARY

Scottish Meteorological Society.

122 *George Street*

EDINBURGH.

BOOK POST.

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 November 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, Revalent 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.	Min.	Max.	Min.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	No. of hours in which it fell.	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.	No.	No.	Temperature of WELL at depth of feet, No.	Temperature at 1 fathom, and Density.	9 A.M.			9 P.M.	
		* No.		No.		No.	No.	No.	No.																8 inches.	12 inches.	22 inches.						
	1	29.000	58	28.900	60	62	53	57	49.5	57	52	53	50	23	W. 0.5	SW 1.5	St. 8	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	1
	2	28.870	58	29.000	61	58	51.5	59	47.5	56	52	52	49	30	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	2	
	3	29.080	59	28.800	62	58.5	49	58	45.5	58	52	49	46.5	01	W. 0.5	W. 3.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	3	
	4	29.000	59	29.000	63	53	46	56	43.5	48	45.5	49.5	47.5	18	W. 2.	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	4	
	5	28.850	59	29.190	59	52.5	44	56	41	52	48	45	43	11	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	5	
	6	28.250	56	29.150	58	52	45	54	42	47	45	50	46.5	03	W. 1.5	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	6	
	7	28.870	58	28.870	58.5	54	45.5	53	45.5	47	49	45.5	45.5	01	W. 0.5	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	7	
	8	28.850	58	28.900	58	48.5	41	48	37	43	41	44.5	42.5	30	W. 0.5	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	8	
	9	28.870	58	28.800	57	51	43	51	39	45.5	43.5	44.5	42.5	04	W. 0.5	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	9	
	10	28.750	55.5	28.650	58	48	41	49	38	43.5	42	43	41	08	W. 0.5	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	10	
	11	28.530	55	29.420	59	48	40	47.5	37	42	40.5	42.5	40	03	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	11	
	12	28.400	53	28.620	59	47	41	47.5	38	43	41	41	41	04	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	12	
	13	29.820	54	28.400	53.5	50	36	46	32	31.5	29.5	46	44	03	W. 0.5	W. 3.	W. 3.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	13	
	14	28.250	53	28.310	53	47	39	47	36.5	47	39	38.5	36.5	41	W. 2.	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	14	
	15	28.470	52	28.640	53	51	39	46	35	41	38.5	39	37	01	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	15	
	16	28.800	52	29.120	54	49	39	47	35	42.5	39.5	43	41	05	W. 0.5	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	16	
	17	29.120	52	29.200	56	47	41	52.5	40	50.5	47	50.5	46	05	W. 4.	W. 3.	W. 3.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	17	
	18	29.380	54	29.280	59	47.5	38	50	34	41	38	47	44.5	05	W. 0.5	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	18	
	19	29.310	53	29.270	57.5	52	46.5	51	44.5	45.5	39.5	49	46.5	05	W. 0.5	W. 2	W. 2	None	None	None	None	None	None	None	None	None	None	None	None	None	None	19	
	20	29.270	59	29.300	59	53	39	52	36	50.5	49	40.5	38	04	W. 1.	W. 2	W. 2	None	None	None	None	None	None	None	None	None	None	None	None	None	None	20	
	21	29.300	55	29.320	57	45	38.5	47	35.5	42	40	46	44	12	W. 2	W. 2	W. 2	None	None	None	None	None	None	None	None	None	None	None	None	None	None	21	
	22	29.270	55	29.320	57	54	45	54	42	55	49	45	43.5	03	W. 0.5	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	22	
	23	29.500	58	29.500	58	49	33	44	35	38.5	39	39	39	05	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	23	
	24	29.600	52	29.600	58	47.5	35	42	27	34.5	34	42.5	42	05	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	24	
	25	29.550	54	29.550	58	47	35.5	48	32	44.5	44.5	35.5	35.5	05	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	25	
	26	29.350	53	29.350	54	43.5	30	41	25.5	36.5	35	31	30.5	05	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	26	
	27	29.580	50	29.520	53	43	27.5	41	23	36	30.5	41	40.5	05	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	27	
	28	29.470	52	29.420	56	50	41	50.5	40	41.5	41	48	46.5	05	W. 1.	W. 1.	W. 1.	None	None	None	None	None	None	None	None	None	None	None	None	None	None	28	
	29	29.380	52	29.530	57	50	39	50	35	49	47.5	41	38.5	05	W. 0.5	W. 0.5	W. 0.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	29	
	30	29.550	53	29.600	57	46	38	42	34	38.5	37.5	42	40	05	W. 1.5	W. 1.5	W. 1.5	None	None	None	None	None	None	None	None	None	None	None	None	None	None	30	
	31																															31	
Sums.																																	
Means.																																	
* Total Corrections for Instru- mental Errors.																																	
+ Correc- tions 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		

NOTATION USED IN GENERAL REMARKS.

a.	denotes aurora.	m.	denotes meteor.
ci.	cirrus.	ms.	meteors.
ci. cu.	cirro-cumulus.	h.	hail.
ci. s.	cirro-stratus.	r.	rain.
cu.	cumulus.	h. r.	heavy rain.
cu. s.	cumulo-stratus.	s.	continued heavy rain.
d.	drizzle.	s. s.	sleet.
f.	fog.	sc.	scud.
fr.	frost.	s.	snow.
h. fr.	hoar-frost.	so. ha.	solar halo.
h. d.	heavy dew.	sq.	squall.
h. l.	hail.	sq. s.	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 $\frac{1}{10}$ 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 _____ 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), = _____

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.
A.M.		0	0	0	0	5	3	15	3	4
P.M.		3	0	0	0	0	3	15	2	4
Mean.		2	0	0	0	3	3	16	2	4

Observations made and
Return verified byJames Munro
Westgate Hill, Colinton

(Signed)

Observations taken at Valenton, County of Madison, 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 December 1894.

The Hours of Observation are of Greenwich Time.

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°, =

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, =

"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),

¶ Computed Temperature of Dew-Point, =

†† Do. Elastic Force of Vapour,	11
†† Do. Weight of Hydrogen in Cold,	12

†† Relative Humidity (Saturation = 100)

RAIN fell on 20 Days; Amount in Inches, = 2.58

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	0	0	0	1	8	3	15		
P.M.	5	1	1	1	0	0	11	1	11		
Mean.	4	1	1	0	0	1	9	2	13		

Observations made and
Return verified by

James Muncey
Westgate Villa Clinton

(Signed)

