

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Forest of Glen Tan Aboyne* County of *Aberdeenshire*, in Lat. *57° 2'*, Long. *2° 52'*, Distance from Sea *35* miles.

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

During the MONTH of *January* 189*0*

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. No.	Min. No.	Max. in Sunrays No.	Min. on Grass. No.	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.		No.		No.	No.	No.	No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		No. of hours in which it fell.	No.															
		inches.	°	inches.	°	°	°	°	°	°	°	°	°		°																
	1	29.94	53	30.18	49	41	27	32		32	32	40	38		N	1	N	1	10	10	10	10								1	
	2	29.95	52	30.01	50	37	29			38	37	41	40	.57	SH	1	N	1	10	10	10	10								2	
	3	30.01	50	29.97	48	37	27			36	34	44	43	2	NE	1	N	2	10	10	10	10								3	
	4	29.97	49	30.12	49	49	15			38	34	39	37		N	2	NE	2	10	10	10	10								4	
	5	30.19	50	30.12	49	49	15			37	34	39	36		N	2	NE	1	10	10	10	10								5	
	6	29.87	48	30.11	50	47	39			39	37	40	38	.15	N	1	N	1	10	10	10	10								6	
	7	29.87	52	30.11	52	37	27			37	34	35	33	.16	NW	2	N	2	10	10	10	10								7	
	8	29.92	54	30.09	46	41	26			37	35	39	37	.50	SH	1	SH	1	NE	4	10	10	3								8
	9	29.79	52	29.95	50	44	29			32	30	40	38	.50	SH	3	N	3	10	10	10	10								9	
	10	30.07	52	30.45	46	38	29			37	34	30	28	.20	N	4	N	1	10	10	10	10								10	
	11	30.38	50	30.49	49	38	25			32	30	32	30		N	1	S	2	10	10	10	10								11	
	12	30.28	53	30.34	49	41	24			41	39	30	28		S	2	S	1	10	10	10	10								12	
	13	30.18	50	30.09	49	45	27			33	31	39	37		S	1	S	2	10	10	10	10								13	
	14	30.60	36	29.81	53	42	30			41	40	41	40	.18	SH	2	S	4	10	10	10	10								14	
	15	29.23	54	29.89	50	49	29			40	38	33	32		SH	2	S	2	10	10	10	10								15	
	16	29.29	52	29.59	47	43	28			34	32	28	27		S	1	SH	1	10	10	10	10								16	
	17	29.5	45	29.61	55	41	22			26	25	39	37	.28	SH	1	SH	2	SE	7	10	10	2								17
	18	29.63	53	30.11	53	40	21			35	32	37	35		H	1	H	2	10	10	10	10								18	
	19	29.82	56	30.10	53	42	30			40	37	39	36	.20	SH	3	H	3	10	10	10	10								19	
	20	29.96	52	30.11	51	47	30			39	35	41	39		H	2	SH	3	10	10	10	10								20	
	21	29.99	49	30.11	51	43	34			40	36	45	41		SH	4	SH	2	10	10	10	10								21	
	22	29.52	54	29.59	56	45	32			42	38	48	47		S	3	H	4	10	10	10	10								22	
	23	29.59	59	29.98	57	55	39			49	44	41	38		H	4	SH	1	NE	7	10	10	3								23
	24	29.64	59	29.60	58	51	37			43	40	40	39		SH	2	H	1	10	10	10	10								24	
	25	29.94	54	30.21	55	48	34			39	35	47	45		H	2	H	2	10	10	10	10								25	
	26	29.77	58	29.77	50	49	36			45	44	40	38		SH	3	H	2	10	10	10	10								26	
	27	29.48	54	30.51	47	48	28			34	33	26	24		H	1	NH	1	10	10	10	10								27	
	28	30.57	50	29.99	49	39	20			32	32	30	28	.30	N	1	H	2	10	10	10	10								28	
	29	30.44	53	30.39	50	38	28			36	33	34	35	.20	N	1	N	1	10	10	10	10								29	
	30	30.15	52	30.35	48	37	28			33	32	34	33		N	1	NE	2	10	10	10	10								30	
	31	30.17	51	30.32	50	35	28			32	32	34	33	.11	N	1	NE	1	10	10	10	10								31	
Sums.		1616	11	1313	14	14	17			216	149	223	175	483	57	51			298	190	55										
Means.		29.89	52.8	30.1	49.2	44.0	28.2			37.0	34.8	37.2	35.6		184	165			9.6	6.1											
+ Total Corrections for Instrumental Errors.		Leans wrong +20																													
+ 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.		
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 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.
cl.	" 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.	slect.	" sleet.
h-fr.	" hoar-frost.	s.	" snow.
h.	" haze.	so. ha.	" solar halo.
h. d.	" heavy dew.	sq.	" squall.
hi.	" 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.		

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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, = *55.0*

Lowest in Month, corrected for Index errors, on the _____ th, = *17.0*

Difference, or Monthly Range, = *38.0*

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

"Corrected Mean" of all the Lowest, (Col. 6), = *30.2*

Difference, or Mean Daily Range, = *13.8*

** Calculated Mean Temperature of Month, = *37.1*

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), = *37.1*

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = *35.2*

†† Computed Temperature of Dew-Point, = *32.6*

†† Do. Elastic Force of Vapour, = *183*

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

†† Relative Humidity (Saturation = 100), = *84*

RAIN fell on *12* Days; Amount in Inches, = *4.85*

SUMMARY.											
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day
A.M.	9	1			4	10	5	1		1.84	
P.M.	8	4			5	6	7	1		1.65	
Mean.	8	3	0	0	4	8	7	1	0	1.75	

Observations made and Return verified by _____

(Signed) *Roll-Warburton*

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Forest of Glen Tanar, County of Aberdeenshire, in Lat. 57. 2, Long 2. 52, Distance from Sea 35 miles.

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

During the MONTH of February ~~1890~~ 1900

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.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sun's rays.	Min. on Grass.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		No. of hours in which it fell.	Amount in inches.	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. 8 inches.		No. 12 inches.	No. 22 inches.				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.																													
		inches.	°	inches.	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°	°	°		°	°	°		°	°				°	°	°	°	°	
	1	29.91	49	30.11	46	35	26			29	27	35	34		10	NE	1	NE	1		10		10								Slight Showers of Snow	1						
	2	30.3	43	30.25	45	38	22			26	26	41	39		50	NE	1	N	1		10		10									2						
	3	30.11	43	30.31	46	45	22			39	38	40	37		20	NE	1	N	1		10		10									Fall of Snow 4" deep	3					
	4	30.21	45	30.1	40	39	20			35	51	27	26		50	NE	1	N	1		10		10										4					
	5	29.93	42	30.6	41	37	17			27	26	29	27			NE	1	NW	2		10		10										5					
	6	29.99	38	30.19	36	35	21			25	25	22	18		30	N	1	N	1		NE	6											3" of Snow	6				
	7	29.92	39	30.4	31	18				25	22	22	20		20	N	1	N	1		10													7				
	8	29.97	35	30.15	35	27	13			18	16	21	19			NW	1	N	1		10													8				
	9	30.53	1	30.2	32	31	0.4			-9	-6	15	14			N	1	N	1		SE	9												9				
	10	29.97	28	30.21	34	30	0.4			9	-7	19	17			N	1	N	1		SE	8												10				
	11	29.62	32	30.21	39	30	0.3			15	15	27	25			N	1	N	2		10		10											11				
	12	29.53	35	29.52	36	31	0.3			11	10	29	27			N	1	N	1		NE	6													12			
	13	29.47	34	29.69	40	37	28			31	30	30	27			N	2	N	1		SE	7													13			
	14	29.78	35	30.1	40	40	12			11	-9	30	28			N	1	N	1		10		10												14			
	15	29.92	37	30.45	41	13				33	32	36	34		1.75	S	1	S	4		10		10											10" of Snow very stormy severe rough wind	15			
	16	28.82	38	30.1	40	36	28			35	32	35	33		1.30	S	1	S	1		10		10												16			
	17	29.12	42	30.24	39	28				32	30	39	37			SH	1	N	1		10		10												17			
	18	30.3	40	30.3	43	44	20			38	31	37	35			N	1	NW	2		10		10												18			
	19	29.1	41	28.88	40	46	24			35	33	39	38		2.30	NE	2	NE	2		10		10											Showers of Sleet through the day	19			
	20	28.71	38	29.62	36	39	24			37	33	30	28		1.52	NE	3	NE	2		10													6" of Snow in the evening	20			
	21	29.28	38	29.69	39	36	19			28	25	28	26			NE	1	N	2		NE	8		10											21			
	22	29.51	32	29.61	38	37	20			15	13	41	40			S	1	S	4		10		10												22			
	23	29.56	37	29.59	42	38	15			37	36	40	38		1.70	S	3	S	1		10		10													23		
	24	29.48	41	29.79	45	45	32			38	30	39	36			SH	1	S	1		10		10													24		
	25	29.91	40	30.1	45	49	26			43	30	39	37			S	2	S	1		10		10													25		
	26	30.5	41	30.17	48	53	27			32	30	40	37			N	4	N	4		10		10													26		
	27	30.1	41	30.18	42	39	28			35	34	39	37		1.76	N	2	N	2		10		10													27		
	28	30.25	40	30.42	41	40	20			34	33	36	34			N	1	N	2		10		10													28		
	29																																				29	
	30																																					30
	31																																					31
Sums.						228	521			768	708	65	08		11.13		36		42		264		200	50														
Means.						38.1	18.1			27.4	25.3	32.3	30.3		1.28		1.50				9.4		7.1															
+ 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.	so. ha.	" solar halo.
h.	" haze.	sq.	" squalls.
h. d.	" heavy dew.	t. s.	" thunder.
hl.	" hail.	w.	" wind.
l.	" lightning.	g.	" gale of wind.
li. cl.	" light clouds.		
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 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 th, = 53.0

Lowest in Month, corrected for Index errors, on the th, = 20.0

Difference, or Monthly Range, = 33.0

"Corrected Mean" of all the Highest, (Col. 5), = 38.1

"Corrected Mean" of all the Lowest, (Col. 6), = 20.1

Difference, or Mean Daily Range, = 18.0

** Calculated Mean Temperature of Month, = 29.1

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), = 29.8

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

10 and 12), = 27.8

†† Computed Temperature of Dew-Point, = 21.6

†† Do. Elastic Force of Vapour, = 115

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

†† Relative Humidity (Saturation = 100), = 69

RAIN fell on 12 Days; Amount in Inches, = 11.83

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.		6	8			5	2	6	1		128
P.M.		11	3			6	6	2			150
Mean.		8	6	0	0	5	1	6	2	0	139

1.93

Observations made and _____
Return verified by _____

(Signed) Robt Warburton Glen Tanar

OBSERVATIONS,

correct numbering of the scale of every instrument; the rejection of thermometers the frameworks of which are not likely to stand exposure to the weather, as shown in the past by repeated and annoying breakages of thermometers of similar construction; and, as regards Maximum Thermometers, either Negretti and Zambra's, or Philip's, whether they will act at the highest temperatures they may be required to register. By the laws of the Society, Members and Observers have a right to have their instruments compared by the Secretary, and to advise with him regarding the purchase of instruments. Very great care should be bestowed on the Observations of the Wind, the accuracy of which, both as regards Direction and Force, is of the greatest importance.

wind is reborn, reference may be made to the direction of smoke, etc., in well-posed situations. Careful observations are recommended to be made on the changes in the direction of the wind; and during storms, extra observations at every hour of Greenwich time. Such a system of simultaneous observation, pursued at different Stations, is likely to give highly valuable and important results, particularly in connection with the system of thickly-placed Stations on the London district round Edinburgh called STORM STATIONS, in the course of being established by the Society for the systematic investigation of the relation of the force of the wind to the BAROMETRIC

course of being established by the Society for the systematic investigation of the relation of the force of the wind to BAROMETRIC GRADIENTS, and other points connected with storms.

The Council would recommend the Hemispherical Cup Anemometer, a self-registering instrument which shows the amount of Wind that passes it per day; from which also the mean Velocity of the Wind at the time of observation may be ascertained. For indicating the Force of the Wind at any particular hour of observation, the Pressure Anemometer recently brought into the notice of the Society by Mr. Storer, the Hydrographic Secretary, and Mr. K. Bellingham, the Society's Observer at Edinburgh, is recommended as being the most uniform in making observations of the Force of the Wind.

Many causes conspire to produce the difference of observations arising partly from the different stations, and partly from the

Rain gauges. To obtain the quantity of rain falling during any particular season, the best and most reliable method is to use a rain gauge. The rain gauge should not be placed on a slope or terrace, but on a level surface, and should be placed in a situation where the Observer can secure for it. As it is often difficult to obtain a level surface free and unobstructed by surrounding objects as is desirable, the gauge should be taken to place it at least some distance from shrubs, trees, buildings, or other obstructions, and should be placed on a level surface, or its base as they are in height. The more important directions are towards which it is most desirable to have a free exposure, are, in the order of their importance, S.W., N.E., S.E., S., and W. The bottom of the gauge must be perfectly level, and fixed so that it will remain level in all weathers, and be at a height of one foot above the ground, over grass. In such gauges as Flemings, which are furnished

with a measuring-rod attached to a float, the rod not to be fixed down, and the float rise to its height only at the time the instrument is used, it being found that a stem projecting above the rim of the gauge seriously interferes with the proper measurement of the Rain-fall. When a measuring-glass is used, care should be taken to hold it quite perpendicular. The Rain Gauge ought to be read daily at 9 A.M., and the reading entered in the Returns of the previous day. If the Gauge is read once a month, the reading is to be made on the first of the month, and the amount entered for the previous month. Snow-falls may, for convenience, be registered in the rain columns.

snow-fall. Under the following conditions — when a Snow-gauge is used, when the observer is not in the snow, and the letter S suffixed to the depth of water received in Gauge, and the depth of the snow must be measured in some open place where no drift is observed, and registered in addition to, and as a check upon, the indications of the Rain Gauge. For wind, rain, and snow, as indicated in every column, the Observer cannot be too careful to register observations only, and nothing that partakes of the nature of deduction or inference.

Convenient abbreviations for the nomenclature of Clouds will be found on the other side. The amount of Cloud ought to be estimated from the greater or less obscuration of the sky overhead (i.e. within 20° or 30° of the zenith). The strata of Clouds that appear near the horizon are viewed obliquely; and thus, being unable to judge of their amount, we ought not to take them into account in the Clouds' column, though their appearance and changes may be noted among the Remarks. The amount of Cloud is entered from a scale of 0 to 10; thus, when the sky overhead is free from clouds it is entered 0, when half-covered by clouds, 5, wholly covered, 10, and so on.

Observations of the Clouds are made at 9 A.M. and at sunset, as illustrating the condition and currents of the upper and lower regions of the atmosphere. The entries in the schedule are to be made in the following manner:—Thrus in the column Velocity and Direction,

6, S. W. — will indicate that the upper strata of Clouds travel with
extreme velocity from S.W., and those in the lower regions from
W., with one-third the speed of the former. Again, in the second
Cloud column, an entry of $\frac{2}{4}$, st. — will indicate that the higher
regions are covered to the amount of 4-tenths with stratus Clouds ;
and that the sky is further obscured to the extent of 2-tenths by
lower Clouds of the cumulo stratus kind.

Remarks on peculiar Clouds accompanied with drawings, will
assist materially in the development of a more exact nomenclature
of Clouds, as well as throw light on the electrical, and other of the
more obscure phenomena of Meteorology.

The approximate number of Hours in which objects in the sun's
rays cast shadows, should be entered in the proper
sunshine.

As the germination and growth of crops and plants generally
depend greatly on the temperature of the soil — it is
underground amount and constancy — the Council recommend that
Thermometers.

Observations in this interesting department be made
at 9 A.M. By Thermometers permanently fixed in the soil, three
bulbs being sunk to depths of 3, 12, and 22 inches, and the stems
above ground protected from the sun's rays and fitted with sloping
tin 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,
but in its relations to that of our island, a most im-
portant branch of Meteorology. The Council therefore
recommend that the Temperature of the Sea be
carefully taken by a properly constructed apparatus, from boats, or
if this be impracticable, from the ends of piers and rocks round the
coast, where it is not influenced by that of river water, and as little
influenced as possible by currents sweeping along the coast, and thus
acquiring the temperature of the land, either greatly heated by the
sun or cooled by nocturnal radiation. At or near the haime of high

water, in cases where the observations cannot be taken daily, the observation may be made on the 9th, 15th, and 25th of each month. When convenient, extra Sea Observations might be taken for other and greater depths, noting always the Temperature of the Air, and the Hour of Observation. It is also very desirable that observations on the daily Maxima and Minima by Thermometers continuously immersed, be instituted at points along the coast, by the method proposed by Mr. T. Stevenson, and already commenced at Peterhead and Liverpool. The Temperature of the water at the bottom of Wells ought, when practicable, to be taken, both the depth of the temperature Well and of the water being noted.

Mention what Test-Papers are used, Salinometer or Moffatt's. The Paper is affixed by a pin to a board in the Thermometer Box, and the indications registered at 9 A.M. and 9 P.M. It is desired that these indications be registered in connection with the force and direction of the wind at the time of observation, in the following manner:—thus 92° , was an Ozone entry in the schedule will indicate that the Ozome paper is first on the scale, that the wind is from the N.W., and that its force is on the scale 0—5 is 4, or blowing fresh.

Too much importance cannot be attached to the electric condition of the atmosphere in connection with terrestrial Magnetism, barometrical, thermometrical, and meteorological phenomena generally. A proper Electrometer is, in truth, necessary to every complete meteorological observatory.

The Remarks column is unavoidably too narrow for some of the

Remarks. The most valuable Observations that can be taken are those for which no rules can be given nor hours assigned. The use of contractions ought, therefore, to be taken every advantage of, and a list of such are in general use is given at the foot of the column: Besides special and extraordinary Observations, great prominence ought to be given in this column to Prevalent Diseases, differences in character, colour, velocity, and direction between the Lower and upper Strata of clouds; the Colour of the Sky, &c. Remarks ought to be made on the occurrence of *Meteors*, *Aurora Borealis*, remarkable depressions, elevations, and fluctuations of the *Barometrer*, *Thunder*-Storms, and remarkable *falis* or *Snow*, *Hail*, or *Rain*, the *Hour*, *Storms* of *Wind* commencing and ending their

maximum, and ending, as well such Notes on Storms as have been
handed at above. When lofty hills are in the vicinity of a Station, the
Height of Clouds and of the Snow-line in winter should be recorded.
By the use of abbreviations, the state of the weather at 9 A.M. and
9 P.M. should be registered, either in two columns, otherwise un-
coupled, or ruled off for the purpose, from the column of Remarks.
Observations in connection with the Periodic Return of the
observations in Seasons, possess not only great scientific value, but
connection with a few of considerable importance in connection with
Agriculture, Commerce, and Natural History.
Council would direct the special attention of Observers
published Summaries may furnish a very full and complete
Observations ought to be confined entirely to trees and shrubs,
particular species of birds, and in the case of certain specified

particular species of birds, and in the case of crabs, to specimens taken from year to year on a selected piece of ground or from a particular place. The *Annals* of the Society's Journal, will indicate the species of plants and animals to which special attention is being specially directed.

The Council requested Observers, before purchasing new instruments, and in repairing old ones, to communicate with the Meteorological Society in order that every instrument may be examined and improved before being used; and they consider it necessary that they should have full power to reject any instrument which, being presented, conversion does not afford him satisfaction.

[illegible]

OBSERVATIONS IN CONNECTION WITH THE PERIODICAL RET					
	FOREST TREES.	In Flower.	Leaf Buds first appear.	In Leaf.	Divested of Leaves.
Alder,	Bartley,
Beech,	Oats,
Birch,	Wheat,
Elm,	Beans,
Larch,	Potatoes,
Tune,	Turnips,
Sycamore or Plane,	Rye Grass,
					CROPS.
					Sown Plant

To the S

Ms. A.9.2
Ms. A.9.2


BOOK POST.

SECRETARY


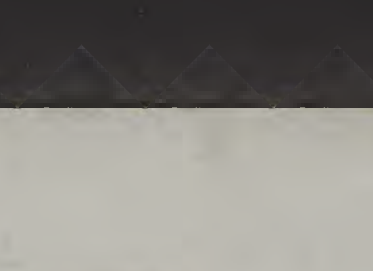
Scottish Meteorological Society

122 George

Society,
the Street,
EDINBURGH

[illegible]

SHRUBS, ETC.	Barberry, Bouree or Elder, Broom, Hazel, Hawthorn, Holly, Laburnum, Lilac, Mezerion, Mountain Ash or Rowan, Red Flowering Currant, Rhododendron Ponticum, Whin,				
Plum in blossom.					
FRUITS.	Apple, Black Currant, Cherry, Cream, Gooseberry, Pear, Plum, Strawberry,				
Plum in blossom.					
Plum generally.					
Plum Ripe.					
MI					


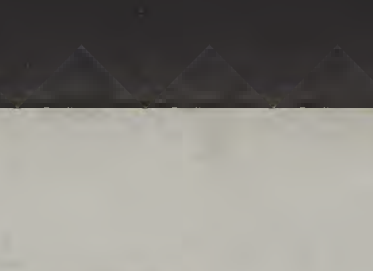
[illegible][illegible]

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some faint smudges and discoloration, characteristic of old paper. The left edge of the page is bound, showing dark stitching or thread. The overall tone is warm and slightly yellowed.

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some minor creases and discoloration, characteristic of old paper. The left edge of the page is bound, showing dark stitching or thread. The overall tone is warm and slightly off-white.

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This image shows a blank page from a document. At the very top, there is a dark, textured horizontal band, possibly representing a binding or a scanning artifact. The rest of the page is white and contains no visible text or markings.



This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with some faint smudges and discoloration, characteristic of old paper. The left edge of the page is bound, showing dark stitching or thread. The overall tone is warm and slightly yellowed.

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SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Forest of Glen Tanar, Aberdeenshire*, County of *Aberdeenshire*, in Lat. *57.2*, Long. *2.32*; Distance from Sea *35* miles.

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

During the MONTH of *March* 1900.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.		Rain.	WIND.				CLOUDS.				THERMOMETERS under Ground.			SEA.	OZONE.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. <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.												
		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.	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.	Dry bulb.	Wet bulb.		Dry bulb.	Wet bulb.	No. of hours in which it fell.	Amount in inches.	No.	No.	No.	No.	No.	No.	No.						No.	No.	
		inches.	°	inches.	°																										
	1	30.45	38	30.61	40	39	30			34	33	36	34			N	1	N	2		10	10	1								1
	2	30.52	42	30.5	42	39	30			37	35	39	37			N	1	H	1		10	10	3								2
	3	30.35	39	30.49	40	42	24			38	36	32	30			W	1	H	1		10	10	2								3
	4	30.5	41	30.5	42	41	24			35	33	33	32			N	1	N	1		10	10	-								4
	5	30.38	41	30.52	41	38	32			35	33	35	33			N	1	N	1		10	10	2								5
	6	30.39	38	30.51	43	40	24			28	26	34	36			W	2	H	1		NE 9	10	2								6
	7	30.51	41	30.5	42	41	25			39	37	37	35			H	1	W	1		10	10	3								7
	8	30.54	41	30.49	44	43	32			36	34	36	34			H	1	H	1		10	10	2								8
	9	30.33	40	30.48	45	44	30			34	33	33	31			H	1	W	1		10	10	4								9
	10	30.39	38	30.5	42	40	22			27	26	30	28			H	1	H	1		10		4								10
	11	30.5	39	30.49	40	35	22			35	32	31	29			N	1	W	1				7								11
	12	30.5	41	30.5	47	51	30			42	39	40	38			N	1	N	4		10	10	6								12
	13	30.48	44	30.78	43	51	31			36	33	42	40			N	3	N	2		10	10	3								13
	14	30.6	43	30.45	46	44	32			44	43	40	38			N	2	H	3		10		2								14
	15	29.99	44	29.8	47	51	29			39	29	30	28			H	4	H	2		SE 9	10	3								15
	16	29.58	42	29.79	39	49	25			28	27	29	28			43 H	2	H	1		10	10	-								16
	17	29.62	37	29.79	39	34	20			24	23	30	28			60 N	1	N	1		10		4								17
	18	29.67	30	29.8	35	36	0.1			27	25	29	27			25 N	1	N	2		10		2								18
	19	29.6	32	29.71	37	37	17			20	18	32	30			85 N	1	NE	1		10	10	-								19
	20	29.8	35	30.19	40	36	24			35	35	37	35			50 SE	2	N	2		10	10	-								20
	21	30.11	37	30.35	39	36	29			34	33	36	35			45 N	1	N	1		10	10	-								21
	22	30.15	37	30.35	39	36	30			34	33	37	35			52 N	1	NE	2		11	10	-								22
	23	30.27	38	30.48	37	40	29			35	33	36	34			6 NE	1	N	1		10	10	-								23
	24	30.32	38	30.49	39	41	30			34	33	39	37			5 NE	1	N	1		10	10	1								24
	25	30.15	37	30.19	39	39	26			36	35	34	32			8 N	3	N	2		10	10	1								25
	26	29.98	37	30.9	37	38	25			30	29	30	28			25 N	2	N	2		10	10	3								26
	27	29.89	39	29.8	40	37	25			30	30	33	32			32 N	1	S	1		10	10	3								27
	28	29.77	36	30.1	40	38	20			27	25	34	32			N	1	N	1		10	10									28
	29	29.97	38	30.1	40	40	22			29	28	39	36			SA	1	N	1		10	10	5								29
	30	30.6	38	30.38	41	42	24			35	33	30	30			H	1	H	1		10	10	6								30
	31	30.38	37	30.52	42	45	19			27	26	37	35			H	1	H	2		SE 4	SE 8	6								31
Sums.						13	10			84	38	145	87		479		39		45		282		258	76							
Means.						407	253			327	315	347	328				126		145		9.1		63								
+ 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.	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.	status.
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.s.	squalls.
l.	lightning.	t. s.	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 _____ th, = *51.0*Lowest in Month, corrected for Index errors, on the _____ th, = *3*Difference, or Monthly Range, = *50.7*"Corrected Mean" of all the Highest, (Col. 5), = *40.7*"Corrected Mean" of all the Lowest, (Col. 6), = *27.3*Difference, or Mean Daily Range, = *13.4*** Calculated Mean Temperature of Month, = *34.0*

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), = *33.7*Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = *32.2*# Computed Temperature of Dew-Point, = *29.5*# Do. Elastic Force of Vapour, = *163*

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

Relative Humidity (Saturation = 100), = *84*RAIN fell on *10* Days; Amount in Inches, = *4.79*

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.		15	2		1		1	12			1.26
P.M.		15	2					12	2		1.45
Mean.		15	2	0	1	0	0	12	1	0	1.36

1.85

Observations made and
Return verified by _____(Signed) *Roll Warburton*

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at The Forest of Glen Tanar, County of Aberdeenshire, in Lat. 57.2', Long. 2.52 1/2, Distance from Sea 33 miles.

Height of Cistern of the Barometer above Mean Sea-Level_____feet, above Ground_____feet.

During the MONTH of April 1950

The Hours of Observation are of Greenwich Time.

[illegible]

BAROMETER, “corrected Mean” at 9 A.M., <i>minus</i> the Correction $\uparrow\uparrow$	}	=	
for Temp. (Col. 2), =			
“Corrected Mean” of Barometer at 9 P.M., <i>minus</i> 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 <u>20</u> th,	=	<u>72.0</u>
Lowest in Month, corrected for Index errors, on the <u>1</u> th,	=	<u>23.0</u>
Difference, or Monthly Range,	=	<u>49.0</u>
"Corrected Mean " of all the Highest, (Col. 5),	=	<u>52.4</u>
"Corrected Mean " of all the Lowest, (Col. 6),	=	<u>31.2</u>
Difference, or Mean Daily Range,	=	<u>21.2</u>
** Calculated Mean Temperature of Month,	=	<u>41.6</u>
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),	=	42.0
Mean (corrected) A.M. and P.M. Reading of Wet Bulb , (Cols. 10 and 12),	=	40.4
## Computed Temperature of Dew-Point ,	=	38.4
## Do. Elastic Force of Vapour ,	=	233
## Do. Weight of Vapour in a Cubic Foot of Air ,	=	
## Relative Humidity (Saturation = 100),	=	88
RAIN fell on 5 Days; Amount in Inches,	=	1.14

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day.
A.M.	8				4	3	12	3		153	
P.M.	6				2	4	17	1		140	
Mean.	7	0	0	0	3	4	14	2	0	146	

2-13

Observations made and
Return verified by

(Signed)

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Forest of Glen Tana Argyllshire, in Lat. 57° 2', Long. 2° 52'; Distance from Sea 35 miles.

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

During the MONTH of May1890

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.			Temperature of WIND at height of 100, No.	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.		P.M.			9 h. A.M.								
		Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. No.	Min. No.	Max. in Sun's rays No.	Min. on Grass. No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direc- tion.	Force.	Direc- tion.	Force.	Velocity (0-6) and Species.	Amount (0-10), and Species.	Velocity (0-6) and Direc- tion.	Amount (0-10), and Species.		No. 3 inches.	No. 12 inches.	No. 22 inches.						
		* No.		No.		No.	No.	No.	No.																							
		inches.	°	inches.	°																											
	1	29.87	52	30.15	58	45	34			42	40	48	46		H	3	H	2		10		10	2							1		
	2	29.71	57	29.89	59	53	37			46	45	50	48		SH	4	SH	2		10		10	4							2		
	3	29.43	61	29.59	58	61	43			48	47	47	45		SH	3	SH	2		10		10	4							3		
	4	29.6	56	29.81	56	57	40			46	44	45	43		S	3	S	3		10										4		
	5	29.69	57	29.99	54	53	35			48	47	50	49		S	3	S	1		10		10	3							5		
	6	29.88	56	30.	56	57	30			54	48	45	43		S	1	SH	2		10		10	5							6		
	7	29.59	57	29.73	57	58	40			47	46	50	47		H	1	H	1		10		10	4							7		
	8	29.81	56	29.99	56	60	32			54	49	45	43		H	1	H	1		NE	7		10	7						8		
	9	29.87	54	30.27	56	61	37			41	39	39	37		N	2	NE	1		10		10								9		
	10	30.24	54	30.39	54	46	34			38	34	43	40		NE	1	N	1		10		10	2							10		
	11	30.21	52	30.35	58	47	30			40	37	39	37		H	1	H	1		10		10	2							11		
	12	30.21	53	30.39	47	45	29			38	36	39	36		N	1	N	2		10		10	2							12		
	13	30.35	51	30.38	45	45	33			42	39	42	40		NE	2	N	1		10		10								13		
	14	30.35	52	30.38	51	45	32			40	37	50	47		N	1	N	1		10		10	2							14		
	15	30.31	55	30.41	53	53	35			42	40	43	40		N	1	N	1					5							15		
	16	30.31	55	30.41	55	66	34			47	43	50	50		N	2	N	1		NE	3		10	8						16		
	17	30.2	61	30.29	59	66	41			50	47	42	40		N	2	N	2		10		10	6							17		
	18	30.17	57	30.29	58	57	35			39	37	39	37		N	2	N	2		10		10	2					Shower of Snow		18		
	19	30.29	53	30.29	50	45	31			37	34	40	46		N	2	N	1		10		10	4							19		
	20	30.3	57	30.12	50	51	34			30	46	47	46		N	1	SH	2		10		10	1							20		
	21	29.94	57	29.6	57	53	38			44	43	48	46		S	1	S	1		10		10	1							21		
	22	29.48	59	29.53	52	58	42			49	47	52	50		S	1	H	2		10		10	3							22		
	23	29.55	59	29.59	56	58	42			50	45	49	46		H	2	H	1		10		10	5							23		
	24	30.2	60	30.84	61	59	33			47	45	48	46		NH	1	H	1		10		10	5							24		
	25	30.21	59	30.29	59	49	43			50	48	46	44		N	1	H	1		10		10	3							25		
	26	30.24	60	30.21	55	56	36			49	47	52	49		H	2	H	1		10		10	7							26		
	27	30.3	58	30.21	61	62	46			54	50	51	49		S	2	S	2		10		10	1							27		
	28	29.97	60	29.59	56	68	46			56	50	52	49		S	3	S	2		10		10	4							28		
	29	29.67	57	30.54	60	59	47			50	47	41	39		SH	1	S	1		10		10	3							29		
	30	30.45	58	30.61	60	63	34			48	44	45	43		NH	1	NH	1		10		10	4							30		
	31	30.45	57	30.61	60	58	39			45	43	41	39		NH	1	SH	1		10			6							31		
Sums.						16	12			14	16	13	16		4					290		280	105									
Means.						53	36			46	43	46	43		17		14			9.4		9.0										
+ Total Corrections for Instru- mental Errors.																																
+ Corre- ctions for Diurnal Range.																																
"Cor- rected Means."																																
No. of Column.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	

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 16 th, = 66.0

Lowest in Month, corrected for Index errors, on the 12 th, = 29.0

Difference, or Monthly Range, = 37.0

"Corrected Mean" of all the Highest, (Col. 5), = 55.0

"Corrected Mean" of all the Lowest, (Col. 6), = 36.9

Difference, or Mean Daily Range, = 18.1

** Calculated Mean Temperature of Month, = 46.0

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), = 46.1

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 43.7

Computed Temperature of Dew-Point, = 41.0

Do. Elastic Force of Vapour, = 25.8

Do. Weight of Vapour in a Cubic Foot of Air, = 83

Relative Humidity (Saturation = 100), = 83

RAIN fell on 9 Days; Amount in Inches, = 1.88

WIND.												SUMMARY.			
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	Mean Velocity in miles per day				
A.M.	10	1			7	3	7	3		17.1					
P.M.	7	1			6	5	10	2		14.2					
Mean.	9	1	0	0	6	4	8	3	0	15.5					

2.46

(Signed) Robert WarburtonObservations made and
Return verified by _____

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Forest of Glen Tuna Wyre County of Aberdeenshire, in Lat. 57.2, Long. 2.52, Distance from Sea 35 miles.

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

During the MONTH of October1900

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			SEA. Temperature at 1 fathom and Density.	OZONE. 0-10.	GENERAL REMARKS. As to occurrence of Thunder, Lightning, Storms, Hail, Meteors, Remarkable Depression or Elevation of Barometer, Prevalent Diseases, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Days of Month.						
		9 h. A.M.		9 h. P.M.		Protected in Shade, 4 feet above Ground.		Exposed Black Bulbs.		9 h. A.M.		9 h. P.M.			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'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.	Readings of the H. Cup Anemometer. No.	Velocity (0-5) and Direction.		Amount (0-10), and Species.	Velocity (0-5) and Direction.	Amount (0-10), and Species.					No.	No.	No.			
		* No.		No.		No.	No.	No.	No.																											
		inches.	°	inches.	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°	°	°		°	°	°					°	°	°	°	°	°
	1	29.81	61	29.83	58	61	38			40	57	56	54		N	1	N	2		10		10	6							1						
	2	29.84	60	29.84	59	60	34			39	56	59	57		H	1	H	2		10		10	4							2						
	3	29.93	59	30.13	58	58	34			35	55	52	56		NH	1	NH	1		10			3							3						
	4	30.35	57	29.69	58	57	28			50	27	47	45	1.61	S	1	SH	3		10		10								4						
	5	29.42	59	29.65	53	51	40			50	49	49	47		H	1	SH	5		10		10	2							5						
	6	29.62	57	29.88	57	55	35			43	42	40	39		H	3	SH	1		10		10	3							6						
	7	30.93	55	30.09	56	52	51			38	37	59	58	1.5	SH	2	S	1		10		10	1							7						
	8	30.9-60	30.9	60	63	46				32	49	50	46		S	4	SH	2		10		10	2							8						
	9	30.5-61	30.2	58	60	34				62	59	46	45		SH	2	S	1		10		10								9						
	10	30.1-60	30.3	55	54	40				44	45	50	46		S	1	H	2		10		10	4							10						
	11	30.3	57	30.1	52	51	38			48	44	45	43		H	3	H	1		10		10	6							11						
	12	29.94	58	29.99	56	57	33			43	41	43	40		H	1	SH	2		10			2							12						
	13	29.42	58	29.59	50	51	37			46	43	41	39		SH	3	S	3		10		10	3							13						
	14	29.7	49	29.75	51	50	33			42	40	40	38		SH	4	S	4		10		10	1							14						
	15	29.76	56	30.49	48	50				42	39	34	52		NW	4	H	1		10		10	4							15						
	16	29.96	53	30.1-50	47	24				33	28	50	47		H	1	H	2		10		10	3							16						
	17	29.94	52	29.95	54	51	24			47	45	49	48		S	2	S	3		10		10								17						
	18	29.99	60	30.95	50	33				48	46	46	45		N	2	SH	1		10		10	3							18						
	19	30.32	58	30.5-53	52	38				45	44	43	40		N	1	N	2		10		10								19						
	20	30.35	55	30.52	53	50	36			43	41	42	41		N	1	N	2		10		10	4							20						
	21	30.46	52	30.71	58	48	33			40	39	39	36		N	1	S	1		10		10	1							21						
	22	30.52	55	30.61	58	50	22			40	37	49	46		H	1	H	1		10		10	3							22						
	23	30.37	61	30.49	59	57	35			38	53	66	63		H	1	H	1		10		10								23						
	24	30.6	62	30.22	58	58	40			39	57	49	47		H	1	H	1		10		10	4							24						
	25	29.65	57	29.65	52	63	38			46	44	56	35		S	1	H	2		10		10	2							25						
	26	29.4	49	29.51	50	50	24			28	26	35	33		NH	1	SH	2		10		10	2							26						
	27	29.43	49	29.71	42	43	24			42	41	41	39	30	N	5	H	2		10		10								27						
	28	29.78	44	29.79	46	42	25			42	39	40	37		H	2	H	2		10		10	2							28						
	29	29.48	46	29.68	46	49	26			43	39	43	40	1.5	H	2	H	2		10		10	4							29						
	30	29.74	44	30.1	47	50	30			40	37	52	50		H	1	SH	1		10		10	3							30						
	31	29.18	47	30.19	49	50	26			29	27	39	38	1.0	H	2	S	1		10		10	4							31						
Sums.						10 12 95 89				12 17 85 82	13 15 89 24			2.29		55		55					76													
Means.						53.132.9				42.7 42.6 42.9 40.8					1.77		1.77																			
+ 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.
cu.	cumulus.	r.	rain.
cu.-s.	cumulo-stratus.	h. r.	heavy rain.
d.	dew.	c. h. r.	continued heavy rain.
f.	fog.	s.	stratus.
fr.	frost.	sc.	scud.
h.-fr.	hoar-frost.	s.	sleet.
h.	haze.	so. ha.	snow.
h. d.	heavy dew.	sq.	solar halo.
hl.	hail.	sq.	squall.
l.	lightning.	sqs.	squalls.
li. cl.	light clouds.	t. s.	thunder.
li. sh.	light showers.	w.	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 ++ = _____
for Temp. (Col. 2), = _____"Corrected Mean" of Barometer at 9 P.M., minus the Correction ++ = _____
for Temp. (Col. 4), = _____

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

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 8 th, = 63.0Lowest in Month, corrected for Index errors, on the 16 th, = 24.0Difference, or Monthly Range, = 39.0"Corrected Mean" of all the Highest, (Col. 5), = 53.1"Corrected Mean" of all the Lowest, (Col. 6), = 32.9Difference, or Mean Daily Range, = 20.2** Calculated Mean Temperature of Month, = 43.6

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), = 42.8Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 41.7Computed Temperature of Dew-Point, = 40.3Do. Elastic Force of Vapour, = 25.1

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

Relative Humidity (Saturation = 100), = 92RAIN fell on 5 Days; Amount in Inches, = 2.29

WIND.	SUMMARY.									
	Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
A.M.	7					5	4	13	2	1.77
P.M.	3					7	8	12	1	1.77
Mean.	5	0	0	0	0	6	6	12	2	1.77

3-13

Observations made and
Return verified by

(Signed)

Robt Warburton

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Glen Tana Uboyne, County of Aberdeenshire, in Lat. 57.2, Long. 2.52; Distance from Sea 35 miles.

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

During the MONTH of November 1891

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.				SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				SUNSHINE.	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.		Readings of the H. Cup Anemometer. No.	9 A.M.		P.M.		9 h. A.M.			0-10.			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.
		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.	9 h. A.M.			9 h. P.M.	Direction.	Force	Direction.		Force	Velocity (0-6) 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 Density.		9 A.M.	9 P.M.
		* No. ....	.....	No. ....	.....	No.	No.	No.	No.	Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.	No.	No.	Direction.	Force	Direction.	Force	9 h. A.M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		inches.	°	inches.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
	1	29.98	48	30.11	50	52	28			52.5	03.4	32			S	1	8	1		10		10		2							1	
	2	30.19	55	30.23	58	62	30			39.5	85	47			SH	1	3	3		10		10		4							2	
	3	30.26	49	30.29	45	56	35			52.4	94	45			S	1	3	3		10		10		3							3	
	4	30.3	46	30.28	47	49	33			50.4	74	45			S	2	3	1		10		10		—							4	
	5	29.71	48	29.8	50	49	36			50.4	85	49		07	S	1	3	1		10		10		—							5	
	6	29.52	48	29.85	50	52	34			48.4	74	48		12	S	1	SH	2		10		10		3							6	
	7	29.71	48	29.63	50	50	30			49.4	74	46		50	S	2	S	1		10		10		—							7	
	8	29.66	46	29.92	49	49	29			40.5	42	38			S	3	SH	2		10	NH	6		2							8	
	9	29.55	46	29.59	47	50	34			40.3	64	39			N	3	S	2		10	NE	6		4							9	
	10	29.8	42	29.9	45	46	32			37.3	54	38			S	3	S	1		SE	9		10		5						10	
	11	29.41	40	29.59	45	47	34			39.5	64	32			SH	2	S	1		H	6		—		4						11	
	12	29.71	40	29.82	44	46	22			26.2	64	38			SH	1	H	1		SE	4		10		1						12	
	13	29.42	42	29.52	44	45	32			42.3	59	37			H	1	H	1		16		—		4							13	
	14	29.64	42	29.83	40	45	28			43.4	40	39			NH	2	S	2		10		10		—							14	
	15	29.43	42	29.39	44	45	30			42.4	40	38		44	S	3	H	2		10		10		2							15	
	16	29.6	43	30.1	42	44	35			37.3	55	63		78	N	3	H	2		10		10		—							16	
	17	30.13	43	29.99	43	44	32			43.4	43	38			N	1	H	1		10		10		2							17	
	18	30.12	42	30.19	46	47	31			35.3	30	28			H	2	NH	1		10		—		5							18	
	19	30.48	36	30.59	39	46	18			25.2	24	26			H	1	S	1		10		—		4							19	
	20	30.41	37	30.4	39	41	21			29.2	28	26			S	1	S	1		10		—		2							20	
	21	30.12	37	30.1	40	38	25			38.8	22	41		07	S	1	S	1		10		10		—							21	
	22	29.99	39	29.99	42	40	29			39.3	38	46		30	N	1	N	1		10		10		—							22	
	23	29.78	41	29.89	43	45	35			44.4	45	39		45	N	1	SH	1		10		10		—							23	
	24	29.78	42	29.83	44	45	35			39.8	74	45			H	1	S	1		10		10		—							24	
	25	29.74	42	29.78	47	44	43			43.4	42	44		20	S	1	S	1		10		10		—							25	
	26	29.37	46	29.79	45	44	37			42.4	41	37			S	1	S	2		10		10		—							26	
	27	29.71	45	29.71	46	46	35			39.3	38	27		12	N	2	SH	1		10		—		4							27	
	28	29.75	41	29.8	44	45	22			29.2	28	40			SH	1	H	1		SE	7		10		4						28	
	29	29.91	42	30.8	40	43	38			41.3	39	42		53	E	2	SE	1		10		10		—							29	
	30	29.94	44	30.17	42	42	35			40.8	38	39		10	H	1	SE	1		10		10		—							30	
	31																															31
Sums.						13	12			13	16	17		3						286		232	55									
Means.						197	38			07251	03247			368						95		77										
+ Total Corrections for Instrumental Errors.																																
+ Corrections for Diurnal Range.																																
"Corrected Means."						466	313			402384	401382																					
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.	scud.
fr.	frost.	s.	sleet.
h.-fr.	hoar-frost.	s.	snow.
h.	haze.	so. ha.	solar halo.
h. d.	heavy dew.	sq.	squall.
hl.	hail.	sq.	squalls.
l.	lightning.	t.	thunder.
li. cl.	light clouds.	t. s.	thunder-storm.
li. sh.	light showers.	w.	wind.
lu. co.	lunar coronae.	g.	gale of wind.
lu. ha.	lunar halo.		

TABLE FOR ESTIMATING FORCE OF WIND.

Estimated Force, 0-5.	Common Designation.	Estimated Force, 0-5.	Common Designation.	Estimated Force, 0-5.	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 2th, = 62.0

Lowest in Month, corrected for Index errors, on the 19th, = 18.0

Difference, or Monthly Range, = 44.0

"Corrected Mean" of all the Highest, (Col. 5), = 46.6

"Corrected Mean" of all the Lowest, (Col. 6), = 31.3

Difference, or Mean Daily Range, = 15.3

** Calculated Mean Temperature of Month, = 39.0

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), = 40.1

Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12), = 38.3

\ddagger Computed Temperature of Dew-Point, = 36.0

\ddagger Do. Elastic Force of Vapour, = 2.12

\ddagger Do. Weight of Vapour in a Cubic Foot of Air, = 85

\ddagger Relative Humidity (Saturation = 100), = 85

RAIN fell on _____ Days; Amount in Inches, = 3.68

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.
A.M.	4		1			13	4	7	1		1.57
P.M.	2					2	16	4	5	1	1.40
Mean.	3	0	1	1	1	4	4	6	1	0	1.49

Observations made and
Return verified by

(Signed) Robt Warburton Glen Tana

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Glen Tana Aboyne, County of Aberdeenshire, in Lat. 57° 2', Long. 2° 52', Distance from Sea 35 miles.

Height of Cistern of the Barometer above Mean Sea-Level_____feet, above Ground_____feet.

During the MONTH of December 1900.

The Hours of Observation are of Greenwich Time.

ELECTRICITY.	Days of Month.	BAROMETER.								SELF-REGISTERING THERMOMETERS. Read Daily, at 9 P.M.				HYGROMETER.				Rain.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			Temperature of WELL at depth of feet, No.	SEA. Temperature at 1 fathom, and Dradley.	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.			Readings of the H. Cup Anemometer.		9 A.M.		P.M.		0 h. A.M.			0-10.																
		Barometer.	Attached Thermometer.	Barometer.	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.	Amount in inches.	9 h. A.M.	9 h. P.M.		No.	Direction.	Force.	Direction.	Force.	9 h. A.M.	Velocity (0-5) and Direction.	Amount (0-10), and Species.		Velocity (0-5) and Direction.	Amount (0-10), and Species.	No.			3 inches.	No.				12 inches.	No.	22 inches.	9 A.M.	9 P.M.		
		* No.		No.		No.	No.	No.	No.					No.		Direction.	Force.		Direction.	Force.																								
		inches.	°	inches.	°	°	°	°	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°	°	°		°	°	°			°	°				°	°	°	°	°	°	°
	1	29.95	43.50	.13	42	41	32			38	37	41	39			SE	1	S	1			10		10												1								
	2	30.13	44.50	.13	43	43	38			41	39	40	38	.50		SH	2	S	1			10		10												2								
	3	29.8-	42	29.81	39	41	34			37	37	35	33			S	1	H	1			10		10		4										3								
	4	29.49	40	29.73	40	45	27			37	35	25	23			H	2	N	1			10		-		4										4								
	5	29.59	37	29.79	40	40	23			28	26	37	36	.20		H	1	SH	2			10		-		2										5								
	6	29.79	39	29.81	38	37	26			36	35	34	33			S	1	S	1			10		10		-										6								
	7	29.95	37	30.21	41	35	23			52	32	35	33	.20		VN	1	NNH	2			10		10		-										7								
	8	29.75	43	29.78	45	51	29			51	48	48	45	.05		S	4	S	2			10		10		-										8								
	9	29.81	42	29.99	47	57	41			46	40	45	43			SH	4	S	4		S	6		10		3										9								
	10	30.-2	45	30.-	44	47	38			41	38	43	42			SH	1	S	5		SE	7		10		-										10								
	11	29.72	45	29.77	50	42	38			45	44	51	47	.40		SH	1	SN	4			10		10		4										11								
	12	29.68	48	29.81	50	56	40			50	46	48	46			NH	2	SH	2			10		10		3										12								
	13	29.65	47	29.86	49	54	39			44	40	45	43			SH	3	N	3		SE	8		-		3										13								
	14	29.83	46	29.99	49	48	35			47	44	46	44			H	3	N	2			10		10		3										14								
	15	29.71	47	29.82	50	57	33			43	41	46	43			SH	2	N	3			10		10		3										15								
	16	29.95	49	29.99	50	57	39			49	46	45	43			H	3	H	4			10		10		2										16								
	17	30.12	47	29.97	49	50	37			47	46	49	47			H	1	H	1			10		10		3										17								
	18	29.81	48	30.-9	49	50	35			49	47	42	39			SH	1	N	3			10		-		4										18								
	19	29.89	45	30.-	44	48	32			40	37	45	43			H	2	N	3		NE	8		10		2										19								
	20	29.32	45	28.72	40	51	35			50	47	46	43	.20		VN	4	N	1			10		10		-										20								
	21	29.14	17	29.73	49	55	36			40	36	30	28			H	3	H	4			10		-												21								
	22	29.82	42	29.99	40	41	33			40	36	40	39			H	2	N	3			10		-		2										22								
	23	30.-	40	29.99	43	44	32			40	37	35	33			H	2	SH	1			10		10		3										23								
	24	29.88	42	29.94	46	45	34			42	38	44	42			H	1	N	1			10		10		2										24								
	25	29.81	42	29.69	50	51	39			45	44	42	40			SH	3	H	2			10		-												25								
	26	29.59	49	29.76	47	52	37			43	39	41	38			H	1	S	1			10		10		2										26								
	27	29.67	42	29.8-	43	47	27			38	32	40	37			S	1	S	1			10		10		3										27								
	28	29.79	40	29.28	39	40	32			36	34	35	33			S	1	S	2			10		10		-										28								
	29	29.54	43	29.71	45	44	32			36	33	37	35			SH	2	SH	1			10		10		2										29								
	30	29.95	39	29.99	44	43	33			39	37	35	33	.32		NH	1	NH	1			10		10		-										30								
	31	29.82	45	29.89	45	46	34			36	34	40	38	.10		N	2	S	2			E	6		10		-									31								
	Sums.					11	13			13	16	12	14							177		59		65				25		240		54												
	Means.					47.2	33.6			41.3	38.9	40.8	38.7							1.90				2.10				9.5		7.7														
	+ 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													

Barometer, "corrected Mean" at 9 A.M., minus the Correction \pm $\left. \begin{array}{l} \text{for Temp. (Col. 2),} \\ \text{"Corrected Mean" of Barometer at 9 P.M., minus the Correction } \pm \\ \text{for Temp. (Col. 4),} \end{array} \right\} =$	_____
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 <u>9th</u>	=	<u>57.0</u>
Lowest in Month, corrected for Index errors, on the <u>7th</u> ,	=	<u>23.0</u>
Difference, or Monthly Range,	=	<u>34.0</u>
" Corrected Mean " of all the Highest, (Col. 5),	=	<u>47.2</u>
" Corrected Mean " of all the Lowest, (Col. 6),	=	<u>33.6</u>
Difference, or Mean Daily Range,	=	<u>13.6</u>
** Calculated Mean Temperature of Month,	=	<u>40.4</u>

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),	=	41.0
Mean (corrected) A.M. and P.M. Reading of Wet Bulb, (Cols. 10 and 12),	=	38.8
Computed Temperature of Dew-Point,	=	36.0
Do. Elastic Force of Vapour,	=	2.11
Do. Weight of Vapour in a Cubic Foot of Air,	=	
Relative Humidity (Saturation = 100),	=	83
RAIN fell on 8 Days; Amount in Inches,	=	1.75

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	5	9	11	2		1-90	
P.M.	2				10	5	12	2		2-10	
Mean.	2	0	0	1	7	7	11	2	0	2-00	

Observations made and Return verified by	}
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(Signed) Robert Warburton Glen Tans

