

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of January 1911.
 Lat. 55°49'50"N Long. 5°45'16"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				† RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.		
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.		Amount at 9 A.M.	9 A.M.		9 P.M.		Ane- mometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.				
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.	
																															inches.
1	30.052	52	30.250	51	49	34	+	+	36	34	36	33	-	N.W.	1	N.W.	2	+	+	+	+	+	+	+	+	+	43.8	Clear fine	fine	1	
2	30.200	50	30.172	48	42	36			38	34	40	37	-	N.	4	N.	2										43.8	" frosty	"	2	
3	30.294	47	30.404	47	42	32			37	35	33	31	-	E.	3	E.	1										43.8	" " - fog in Bay freezing		3	
4	30.356	43	30.188	46	37	30			34	32	34	33	02	E.	2	E.S.E.	1										43	hazy " - hazy, frosty.		4	
5	30.010	44	29.788	47	42	36			38	36	39	39	72	S.S.E.	2	S.E.	3										43	foggy & wet - very wet.		5	
6	29.728	47	29.842	47	47	36			40	39	36	35	15	N.	5	N.W.	1										43	stormy & " - heavy showers Rn. H. & S. at intervals.		6	
7	29.956	44	29.964	50	48	31			38	37	46	45	08	N.	1	N.	2										42.8	freezing, dull - showery.		7	
8	29.922	52	30.138	55	50	40			48	47	40	39	05	N.	4	N.W.	2										42.5	dull & damp - " "		8	
9	30.156	48	30.316	52	42	38			39	38	39	36	23	N.	3	N.	5										42	" " - squally, showers Rn. & S.		9	
10	30.374	47	29.980	53	45	38			41	39	38	38	88	N.	4	N.W.	5										42	showery strong wind - very wet.		10	
11	29.824	51	29.716	46	50	36			47	47	36	32	19	N.	4	N.W.	4										42	dull & wet - dry very cold		11	
12	30.022	42	30.236	42	39	34			35	32	36	32	-	N.	4	N.W.	3										42	clear frosty - frosty, pale afternoon.		12	
13	30.258	41	30.162	42	43	29			33	32	40	40	09	-	-	N.	2										42	cloudy " - dull & wet		13	
14	30.150	46	30.210	50	46	41			43	42	43	41	02	N.	4	N.	2										42	dull & damp - fine		14	
15	30.160	50	30.144	54	47	41			41	39	46	45	07	N.	3	N.	5										42	" " - some Rn. stormy		15	
16	30.462	50	30.456	50	48	39			39	38	43	41	01	N.	2	S.W.	3										42	some Rn. " - fine		16	
17	30.492	52	30.592	54	50	43			48	38	46	44	10	N.	3	N.	2										42	dull & " - drizzly all day		17	
18	30.598	52	30.578	52	48	44			47	44	44	43	01	N.	2	N.	1										42	" " - dull but fine		18	
19	30.524	50	30.460	51	46	41			41	40	45	43	-	N.	2	N.	1										42	" hazy - " "		19	
20	30.384	48	30.216	49	48	39			40	38	39	38	-	S.	3	S.W.	1										42	fine, " - " "		20	
21	30.072	46	30.088	51	45	35			39	37	43	42	03	S.	2	N.	1										42	" " - hazy		21	
22	30.202	50	30.320	53	44	34			39	37	40	37	03	E.	4	E.	4										42	" but cold - cold & damp		22	
23	30.222	50	30.102	54	45	40			40	39	43	42	09	S.	3	N.	4										42.5	foggy & showery - showery, breezy.		23	
24	29.994	49	29.862	52	48	43			45	42	47	47	54	N.	3	N.W.	4										42.5	dull " - very wet from 6 P.		24	
25	29.798	51	29.858	53	51	43			43	43	49	49	36	-	-	N.	5										42.8	dull & wet - Rn. most of day, fair		25	
26	30.040	52	30.176	52	52	47			49	49	47	45	02	N.	5	N.	3										42.8	" fine - " showery		26	
27	30.172	53	30.184	53	49	45			46	43	45	44	18	N.	3	-	-										42.8	wet & foggy - fine breezy.		27	
28	30.258	52	30.232	52	50	41			46	46	45	44	01	S.	1	S.W.	4										43	dull & showery - " "		28	
29	30.240	51	30.222	52	47	40			44	43	41	38	-	S.	3	S.	1										43	" hazy - foggy cold		29	
30	30.368	50	30.466	50	44	37			42	39	37	35	-	S.	1	E.	4										43.5	" " - " "		30	
31	30.588	44	30.666	44	38	29			33	32	28	27	-	E.	3	S.E.	1										43.5	foggy & freezing - slight fog freezing		31	
Sums.	101711	9	12552	10	15	12			15	17	15	16	8			84	79										8				
Means.	4976	264	5918	62	182	237			29	281	24	285	388															18.1			
Instrumental Errors.																															
Cor- rected Means.																															

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. 5.8 30.108
 Corrected Mean at 9 P.M., minus Correction for Temp. 5.8 30.133
 Mean at Station, corrected, and at 32°, 30.121
 Correction for height, feet above Mean Sea Level, + 85
 Mean, reduced to 32°, and Sea Level, 30.206
 Highest Reading, corrected for Index error, on th,
 Lowest Do. Do., on th,
 Difference, or Monthly Range,

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 26 th, 52
 Lowest in Month, on 13 th, 29
 Difference, or Monthly Range, 23
 Mean of all the Highest, 45.9
 Mean of all the Lowest, 37.6
 Difference, or Mean Daily Range, 8.3
 Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), 41.8
 Min. on Grass, Lowest in Month,
 " " Mean,
 Black Bulb, Max. in Sun, Highest in Month,

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 40.9
 Wet Bulb, Mean of A.M. and P.M. Readings, 38.7
 Computed Temperature of Dew-Point,
 Do. Elastic Force of Vapour, 2.11
 Do. Relative Humidity (Saturation = 100), 84%
 RAIN fell on 22 Days; Amount in Inches, 3.88

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0-12.
A.M.	2		4			7		15	1	2	
P.M.	4		4	2	1	3	14	2	1		
Sum.	6	0	8	2	1	8	32	33	2	6	2.6

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER

SUMMARY.

Number of Days of Precipitation, 22
 Snow, 2
 Hail, 1
 Thunder, 0
 Clear Sky, 5
 Overcast, 15
 Fog, 6
 Ground Frost, 7
 Gale, 1

INSTRUMENTS IN USE.

Barometer, No.
 Dry Bulb, No.
 Wet Bulb, No.
 Maximum, No.
 Minimum, No.
 Solar Radiation, No.
 Grass Min., No.
 Sun Recorder, No.
 1-foot Therm., No.
 4-foot Therm., No.

Observations made and
 Return verified by

(Signed)

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST



SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydrow, County of Bute, During the MONTH of February 1911.
 Lat. 55°49'30"N Long. 5°4'5" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				† RAIN. Amount at 9 A.M.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.			
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.					
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.		
																															inches.	°
1	30.714	39	30.754	39	35	25	7	7	25	24	25	24	-	-	-	-	7	0	0	0	7	7	43.5				frosty very foggy - freezing hard. very foggy	1				
2	30.678	38	30.628	41	40	25			29	28	38	36	-	-	-	S.E.	1	0	0	0			43.5				" " " " - " clear	2				
3	30.646	39	30.650	40	40	29			29	28	29	28	-	-	-	S.	1	0	0	0			43				" " " " - foggy afternoon, clear now	3				
4	30.624	41	30.594	48	40	28			35	34	34	34	-	-	-	S.	1	8	10	10			43				dull fresh - dull fine	4				
5	30.558	47	30.556	51	42	36			36	35	36	34	-	-	-	-	-	8	10	10			42.8				" fine - " "	5				
6	30.608	52	30.642	52	44	36			38	37	39	38	-	-	-	-	-	10	10	10			42				" hazy - " "	6				
7	30.636	49	30.632	52	47	40			42	39	40	39	.02	N	1	S.	1	8	10	10			42				" fine - " "	7				
8	30.624	47	30.492	50	43	38			37	36	40	38	-	E.	2	S.	1	7	10	10			42				slight fog - " "	8				
9	30.234	47	29.970	46	40	39			40	37	42	38	-	S.W.	2	S.	4	8	10	10			42				dull & foggy - fine but cold	9				
10	29.704	47	29.924	47	44	35			39	38	37	35	.19	S.W.	4	-	-	10	0	0			41.8				" damp - raw clear	10				
11	30.082	44	30.154	48	45	30			30	30	31	31	.02	-	-	-	-	0	0	0			41.8				white frost - clear freezing	11				
12	30.146	48	30.150	54	45	31			37	37	44	42	.07	N.	1	S.W.	1	7	0	0			41.8				dull hazy - dull & damp	12				
13	30.180	53	30.166	53	48	44			44	43	46	45	.71	S.W.	3	N.	1	10	10	10			41.8				" showery - dull & wet all day	13				
14	30.166	52	30.136	51	48	42			45	45	42	41	.25	N.	2	N.	4	10	10	10			41.8				" & damp - " "	14				
15	30.350	46	30.196	47	47	32			36	35	41	39	.45	N.	2	S.W.	3	1	10	10			41.5				clear frosty - fine	15				
16	29.756	51	29.506	55	52	41			49	48	48	45	.30	N.	4	N.	8	10	6	6			41.5				dull & wet - Gale & P on towards some Rn	16				
17	29.864	51	29.622	54	51	44			46	42	49	49	.57	N.W.	5	N.	7	5	10	10			41.8				stormy - stormy & wet from noon	17				
18	29.342	53	29.076	54	51	40			49	49	40	39	.52	N.	5	N.	2	10	10	10			42				" & wet - very wet all day	18				
19	29.282	51	29.684	51	43	36			38	35	36	32	.09	N.W.	4	N.	1	0	10	10			42				clear, breezy, cold. - showy. Ha. very cold	19				
20	29.756	44	29.892	47	46	31			38	36	32	32	.38	N.	4	N.W.	1	2	0	0			42				showery - clear freezing	20				
21	29.462	56	29.056	53	55	32			44	44	53	52	.65	S.	3	N.	5	10	10	10			42.5				dull & wet - breezy & wet	21				
22	29.266	48	29.440	52	54	34			40	38	45	43	.53	N.	4	N.	5	8	10	10			42.5				showery & cold - stormy & wet all day Rn. Ha.	22				
23	28.744	49	18.738	50	49	43			48	45	43	41	.47	N.	5	N.W.	8	7	0	0			42.8				" & stormy - Gale all day Ha. & Rn.	23				
24	29.366	48	29.544	46	45	38			42	39	40	39	.20	N.	6	N.	2	6	10	10			42.8				stormy Ha showery - & Li 3-30.2. - fine Rn. & Ha showy	24				
25	29.292	48	29.436	50	47	41			46	45	43	41	.35	N.	4	N.	3	8	10	10			43				dull & damp - squally Rn. & Ha showery	25				
26	29.676	50	29.996	51	45	33			39	37	33	32	.15	N.W.	1	S.W.	1	5	0	0			43				squally Ha showery - clear freezing	26				
27	29.674	48	29.806	55	51	33			39	38	49	48	.44	S.	2	S.	1	10	10	10			43				dull & wet - dull & wet all day	27				
28	29.016	52	29.314	47	51	39			48	44	40	36	.17	N.	4	N.	5	8	0	0			43				" breezy - some showery. very cold stormy	28				
29																														29		
30																														30		
31																														31		
Sums.	131412	4	141411	10	10	11			16	16	11	14	.69					176		176			10									
Means.	29.945	47.8	29.934	49.8	46.0	35.5			39.6	38.1	39.9	38.3						63		63			42.4									
Instrumental Errors.									1.5	1.6	1.6	1.6																				
Corrected Means.									.213	.214																						
									88%	87%																						

WEATHER NOTATION.																								
a. denotes aurora.	b. blue sky, cloudless.	bc. blue sky with detached clouds.	c. sky mainly cloudy, but with openings between the clouds.	d. completely overcast.	e. drizzling rain.	f. wet air, without rain falling.	fe. wet fog.	g. gloomy.	h. hail.	i. lightning.	lu. co. lunar corona.	m. mist.	p. passing showers.	q. squally.	r. continuous rain.	s. snow.	so. ha. solar halo.	t. thunder.	ts. thunderstorm.	u. ugly, threatening appearance.	v. unusual visibility of distant objects.	w. dew.	x. hoar frost.	y. dust haze.
BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).																								
FORCE.				FORCE.				FORCE.				FORCE.				FORCE.				FORCE.				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Calm.	Light Air.	Slight Breeze.	Gentle Breeze.	Moderate Breeze.	Fresh Breeze.	Strong Breeze.	High Wind.	Gale.	Strong Gale.	Whole Gale.	Storm.	Hurricane.												

WEATHER NOTATION.	
a. denotes aurora.	m. denotes mist.
b. " blue sky, cloudless.	p. " passing showers.
bc. " blue sky with detached clouds.	q. " squally.
c. " sky mainly cloudy, but with openings between the clouds.	r. " continuous rain.
o. " completely overcast.	s. " snow.
d. " drizzling rain.	so. ha. " solar halo.
e. " wet air, without rain falling.	t. " thunder.
f. " fog.	t. s. " thunder-storm.
fe. " wet fog.	u. " ugly, threatening appearance.
g. " gloomy.	v. " unusual visibility of distant objects.
h. " hail.	w. " dew.
i. " lightning.	x. " hoar frost.
lu. co. " lunar corona.	z. " dust haze.
lu. ha. " lunar halo.	

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).		
FORCE.	FORCE.	FORCE.
0 Calm.	5 Fresh Breeze.	9 Strong Gale.
1 Light Air.	6 Strong Breeze.	10 Whole Gale.
2 Slight Breeze.	7 High Wind.	11 Storm.
3 Gentle Breeze.	8 Gale.	12 Hurricane.
4 Moderate Breeze.		

BAROMETER.	
Corrected Mean at 9 A.M., minus Correction for Temp.	29.893
Corrected Mean at 9 P.M., minus Correction for Temp.	29.876
Mean at Station, corrected, and at 32',	29.885
Correction for height, feet above Mean Sea Level, ...	+ .085
Mean, reduced to 32', and Sea Level,	29.970
Highest Reading, corrected for Index error, on th,	
Lowest Do. Do., on th,	
Difference, or Monthly Range,	

SELF-REGISTERING THERMOMETERS.	
Highest in Month, on 21th,	55
Lowest in Month, on 1th,	25
Difference, or Monthly Range,	30
Mean of all the Highest,	46.0
Mean of all the Lowest,	35.5
Difference, or Mean Daily Range,	10.5
Mean Temperature of Month, 1/2 (Mean Max. + Mean Min.), ...	40.8
Min. on Grass, Lowest in Month,	
" " Mean,	
Black Bulb, Max. in Sun, Highest in Month,	

ADDITIONAL REMARKS.

HYGROMETER.	
Dry Bulb, Mean of A.M. and P.M. Readings,	39.8
Wet Bulb, Mean of A.M. and P.M. Readings,	38.2
Computed Temperature of Dew-Point,	
Do. Elastic Force of Vapour,213
Do. Relative Humidity (Saturation = 100), ...	88%
RAIN fell on 20 Days; Amount in Inches,	7.53

WIND.		SUMMARY.											
Direction.		N	NE	E	SE	S	SW	W	NW	Variable.	Mean Force.	0-12.	
A.M.		1		1		2	3	12	2	7			
P.M.					1	9		11	2	5			
Sum.		1	0	1	1	11	3	23	4	12	24		

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.
 † Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER SUMMARY.	
Number of Days of Precipitation, ...	20
Snow,	0
Hail,	6
Thunder,	2
Clear Sky,	5
Overcast,	13
Fog,	5
Ground Frost,	-
Gale,	2

INSTRUMENTS IN USE.

Barometer, No.	
Dry Bulb, No.	
Wet Bulb, No.	
Maximum, No.	
Minimum, No.	
Solar Radiation, No.	
Grass Min., No.	
Sun Recorder, No.	
1-foot Therm., No.	
4-foot Therm., No.	

Observations made and Return verified by {
 (Signed) _____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST



SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn, Rotheray, County of But, During the MONTH of March 1911.
 Lat. 55° 49' 50" N Long. 5° 43' 11" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+ RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.	
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.			
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.
1	29.794	45	29.710	50	49	37	7	7	41	38	47	47	5.7	N.W.	4	N.	8	7	3	7	10	7	7	7	43	showery & hazy - very wet & stormy	1			
2	29.984	49	30.122	50	52	45			47	43	46	46	1.6	N.	5	-	-		6		10				43	" strong wind & dull & wet	2			
3	30.084	52	30.050	55	51	45			48	48	45	45	1.6	N.	3	N.	1		10		10				43	dull & damp - " & damp	3			
4	29.972	48	30.104	50	47	40			41	40	41	38	-	N.	1	N.	3		8						43	" " - dry, fine.	4			
5	30.078	50	29.920	52	47	36			39	37	41	39	0.5	-	-	N.W.	1		4		10				43	fine milder - " "	5			
6	29.816	49	30.132	47	44	40			41	41	39	36	-	N.W.	2	N.	2		10						43	dull & damp - " "	6			
7	30.246	45	30.074	48	49	30			35	33	41	39	2.2	-	-	S.W.	1		0		10				43	clear frosty - " "	7			
8	29.858	47	29.718	52	50	30			43	42	40	39	1.2	N.	4	N.	2		7		10				43	dull & showery - dull & wet	8			
9	29.798	45	29.884	47	48	38			42	38	41	38	-	N.W.	4	N.W.	1		0		5				43	fine - fine	9			
10	29.638	46	29.634	47	48	37			45	41	37	35	0.6	N.	4	N.	2		4		5				43	" breezy - showery	10			
11	29.958	46	29.742	48	46	37			40	37	41	40	3.9	N.	4	N.W.	4		3		5				43	showery " - some sleet	11			
12	29.524	46	29.582	48	46	31			37	37	33	30	-	N.W.	4	N.	1		3		8				43	" hail, cold - fine but very cold	12			
13	29.644	45	29.872	48	44	31			40	36	34	31	-	N.	6	N.E.	2		2		2				43	dry breezy - " "	13			
14	29.828	44	29.768	46	47	35			40	36	39	34	-	N.W.	4	N.	4		4		0				43	fine but cold - " but cold.	14			
15	29.660	44	29.666	49	49	36			43	38	39	36	-	N.N.E.	4	N.E.	1		0		0				43	" " - " "	15			
16	29.734	47	29.786	48	46	37			40	37	41	37	0.2	E.	5	N.E.	1		4		10				42.8	" breezy - " "	16			
17	29.794	46	30.010	48	44	38			39	37	39	37	0.1	N.E.	5	E.N.E.	4		7		0				42.5	hazy " - " but cold	17			
18	30.056	46	30.072	48	43	37			39	37	36	34	0.1	E.	6	E.	5		10		0				42	stormy some Rn - " " "	18			
19	30.024	48	30.022	53	43	35			39	35	36	34	-	E.	5	E.	4		3		8				42	breezy, fine. - " " "	19			
20	29.946	48	29.946	51	43	36			39	36	40	37	-	E.	4	E.	4		10		0				42	cold but " - " " "	20			
21	29.928	47	29.940	47	45	37			39	35	37	34	-	E.	5	E.	4		2		0				42	" " " - " " "	21			
22	30.008	46	30.018	46	41	38			39	35	42	37	-	E.	5	E.	3		3		10				42	cold, hazy, fine. - dull, fine.	22			
23	30.218	46	30.208	46	43	38			39	36	37	33	-	E.	4	E.	4		10		2				42	dull, " - hazy, fine, cold.	23			
24	30.194	46	30.180	50	53	36			39	36	44	39	-	E.	4	N.E.	5		3		3				42	hazy fine cold - breezy " "	24			
25	30.364	47	30.468	52	50	34			42	36	43	30	-	E.	4	E.	1		2		0				42	fine - freezing	25			
26	30.360	52	30.314	54	51	33			45	40	41	39	-	N.E.	3	N.E.	4		2		0				42	" but cold - fine but cold	26			
27	30.244	50	30.126	55	48	39			42	39	40	38	-	E.	4	N.E.	3		5		10				42	" " " - " " "	27			
28	30.006	49	29.970	49	50	39			42	39	39	36	-	E.	4	E.	5		8		0				42	cloudy hazy - " " "	28			
29	29.944	48	29.890	51	46	38			41	38	40	38	-	E.	5	E.	4		2		0				42	cold, dry, " - hazy, dry, cold.	29			
30	29.756	49	29.812	52	52	39			40	40	43	42	-	E.	4	E.	4		10		5				42	dull & wet - " " "	30			
31	29.904	53	30.014	54	48	41			43	41	41	38	-	E.	4	E.	4		10		0				42.5	" & foggy - " " "	31			
Sums.	17576	15	14130	15	14	16			13	16	12	17	4												71					
Means.	29.362	22.9	29.774	301	22.3	21.3			2.9	25.2	10.3	22.6	1.77						158		133				88					
Instrumental Errors.	29.967	47.4	29.960	49.7	47.2	36.9			40.9	38.1	40.1	37.3							5.7		4.3				42.5					
Corrected Means.									142.3	37.6	185	36.8																		

WEATHER NOTATION.

a. denotes aurora.

b. " " blue sky, cloudless.

bc. " " blue sky with detached clouds.

c. " " sky mainly cloudy, but with openings between the clouds.

d. " " completely overcast.

e. " " drizzling rain.

f. " " wet air, without rain falling.

fe. " " fog.

g. " " gloomy.

h. " " hail.

lu. co. " " lunar corona.

lu. ha. " " lunar halo.

m. denotes mist.

p. " " passing showers.

q. " " squally.

r. " " continuous rain.

s. " " snow.

so. li. " " solar halo.

t. " " thunder.

t. s. " " thunder-storm.

u. " " ugly, threatening appearance.

v. " " unusual visibility of distant objects.

w. " " dew.

x. " " hoar frost.

z. " " dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.

0 Calm.

1 Light Air.

2 Slight Breeze.

3 Gentle Breeze.

4 Moderate Breeze.

5 Fresh Breeze.

6 Strong Breeze.

7 High Wind.

8 Gale.

9 Strong Gale.

10 Whole Gale.

11 Storm.

12 Hurricane.

WEATHER NOTATION.

a. denotes aurora.	m. denotes mist.
b. blue sky, cloudless.	p. passing showers.
bc. blue sky with detached clouds.	q. squally.
c. sky mainly cloudy, but with openings between the clouds.	r. continuous rain.
d. completely overcast.	s. snow.
dr. drizzling rain.	so. ha. solar halo.
e. wet air, without rain falling.	t. thunder.
f. fog.	ts. thunder-storm.
fe. wet fog.	u. ugly, threatening appearance.
g. gloomy.	v. unusual visibility of distant objects.
h. hail.	w. dew.
i. lightning.	x. hoar frost.
lu. co. lunar corona.	z. dust haze.
lu. ha. lunar halo.	

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).

FORCE.	0	1	2	3	4	5	6	7	8	9	10	11	12
	Calm.	Light Air.	Slight Breeze.	Gentle Breeze.	Moderate Breeze.	Fresh Breeze.	Strong Breeze.	High Wind.	Gale.	Strong Gale.	Whole Gale.	Storm.	Hurricane.

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. <u>29.947</u>	29.896
Corrected Mean at 9 P.M., minus Correction for Temp. <u>29.960</u>	29.908
Mean at Station, corrected, and at 32°,	29.902
Correction for height, feet above Mean Sea Level, ... + <u>8.5</u>	
Mean, reduced to 32°, and Sea Level,	29.987
Highest Reading, corrected for Index error, on 15 th,	30.458
Lowest Do. Do., on 12 th,	29.524
Difference, or Monthly Range,	0.934

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 24 th,	53.0
Lowest in Month, on 7 th,	30.0
Difference, or Monthly Range,	23.0
Mean of all the Highest,	47.2
Mean of all the Lowest,	36.9
Difference, or Mean Daily Range,	10.3
Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), ...	42.1
Min. on Grass, Lowest in Month,	
" " Mean,	
Black Bulb, Max. in Sun, Highest in Month,	

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings,	40.5
Wet Bulb, Mean of A.M. and P.M. Readings,	37.4
Computed Temperature of Dew-Point,	
Do. Elastic Force of Vapour,	186
Do. Relative Humidity (Saturation = 100), ...	74.7
RAIN fell on 11 Days; Amount in Inches,	1.77

WIND.	SUMMARY.											
	Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0-12.	
A.M.		4	2	14	0	0	0	5	4	2	3.9	
P.M.		3	6	12	0	0	1	6	2	1	3.0	
Sum.		7	8	26	0	0	1	11	6	3	3.5	

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER SUMMARY.

Number of Days of Precipitation, ...	11
Snow,	1
Hail,	1
Thunder,	0
Clear Sky,	5
Overcast,	2
Fog,	1
Ground Frost,	
Gale,	2
	39
INSTRUMENTS IN USE.	
Barometer, No.	
Dry Bulb, No.	
Wet Bulb, No.	
Maximum, No.	
Minimum, No.	
Solar Radiation, No.	
Grass Min., No.	
Sun Recorder, No.	
1-foot Therm., No.	
4-foot Therm., No.	

Observations made and Return verified by _____
 (Signed) _____



THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

*Rothbury
March 1911*

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of April 1911.

Lat. 53°49'50"N Long. 5°45'W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 3 ins.

Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS.		Date.		
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.	Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.				
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.						45 ins.	
																																inches.
1	30.000	51	29.980	57	50	39			44	40	40	39	-	E.	3	-	-		+	5	+	10	+	+	+	42.8			9 A.M.	9 P.M.	1	
2	29.982	53	30.042	52	56	35			42	39	45	42	-	N.	3	E	2			0		10				43			Hazy, dry	hazy, fine.	2	
3	30.296	52	30.462	58	48	34			38	35	37	33	-	E.	4	E.	2			0		0				43			fine	dull	3	
4	30.382	48	30.320	53	43	34			39	36	38	33	01	N	3	N.E.	2			0		1				43			" but cold	"	4	
5	30.404	48	30.540	53	45	31			39	36	32	27	-	E.	4	S.E.	1			3		0				43			"	fine but cold	5	
6	30.476	49	30.466	48	47	29			36	31	42	40	-	-	-	E.	1			8		9				43			frosty	" milder	6	
7	30.354	54	30.420	58	53	41			47	42	42	39	-	E.N.E.	3	E.	1			5		1				43			hazy, fine but cold	" but cold	7	
8	30.468	53	30.482	54	54	38			44	41	39	37	-	-	-	-	-			6		10				43			"	" milder	8	
9	30.458	54	30.336	57	53	36			47	44	45	42	-	N.	2	-	-			2		9				43			"	"	9	
10	30.324	53	30.368	55	53	30			44	38	40	37	-	-	-	E.	1			0		1				43			"	"	10	
11	30.378	50	30.316	55	56	31			45	40	44	41	-	-	-	N.W.	2			0		0				43			"	" hazy	11	
12	30.250	57	30.338	58	55	41			47	44	48	46	-	N.W.	1	N.W.	1			8		9				43			"	"	12	
13	30.376	55	30.328	58	59	40			52	48	45	43	-	N.W.	1	N.	2			0		10				43.5			"	"	13	
14	30.196	55	30.056	56	53	44			48	44	47	44	10	N.	4	N.W.	6			4		0				44			breezy	" stormy some R.	14	
15	29.876	54	29.694	54	53	44			46	45	44	43	28	N.	5	N.W.	4			10		10				44			stormy & det	det all day	15	
16	29.694	51	29.782	53	49	34			45	41	34	32	19	N.W.	4	S.W.	1			2		0				44			showery ha. R.	showy hal.	16	
17	29.654	50	29.492	55	48	34			38	37	46	45	37	S.E.	1	N.	3			10		10				44			dull & det	det all day	17	
18	29.338	53	29.104	58	52	46			49	47	49	47	10	N.	3	E.	3			10		10				44.5			" & damp	showy R.	18	
19	29.036	54	29.184	57	52	45			49	45	46	45	11	S.E.	5	S.	4			6		6				44.5			" breezy	showy stormy barlin	19	
20	29.560	53	29.922	51	49	40			43	41	45	41	45	N.	4	N.	3			10		10				44.5			" & det	fine R. earlier	20	
21	29.880	55	29.978	59	57	43			50	47	52	51	07	S.W.	3	N.	1			10		10				44.5			"	" milder	21	
22	29.964	58	29.954	59	57	49			52	50	49	48	36	S.W.	2	+	-			10		10				44.5			" showy	some showers R.	22	
23	29.706	59	29.752	57	54	46			50	48	46	45	18	S.W.	2	N.W.	5			10		5				44.8			"	" strong wind	23	
24	29.832	55	29.786	58	52	45			45	45	50	50	66	N.	2	N.	1			10		10				45			" & det	showery all day	24	
25	29.530	57	29.500	57	55	45			49	49	48	47	27	S.W.	2	N.	2			10		9				45			"	some showers	25	
26	29.608	52	29.572	55	50	41			44	42	44	42	11	N.N.W.	3	N.	2			8		0				45			" showery	fine	26	
27	29.282	52	29.234	54	50	40			48	45	44	43	33	S.	3	N.N.E.	2			5		10				45.5			damp	dull & damp	27	
28	29.322	51	29.194	49	55	37			45	44	41	39	26	S.W.	2	-	-			10		6				45.8			dull & det	fine	28	
29	29.174	51	29.388	55	56	37			50	46	47	45	10	-	-	N.	1			3		9				46			fine	fine	29	
30	29.612	52	29.824	50	53	43			44	42	44	41	01	N.E.	1	N.	1			10		0				46			dull & wet	"	30	
31																																31
Sums.	1416	11	1415	11	17	13	12		15	13	14	12	7														12					
Means.	27.412	8.3	27.784	15.3	6.7	27.2			15.9	7.2	11.3	4.7	39.6					70		54							0.9					
Instrumental Errors.	29.914	52.8	29.926	55.1	52.2	39.6			45.3	42.4	43.8	41.6						23		1.8							46.0					
Corrected Means.									3.4	2.9																						
									22.9	22.8																						
									41.9	41.1																						
									76	41.9	79	41.1																				

WEATHER NOTATION.											
a. denotes aurora.	b. blue sky, cloudless.	bc. blue sky with detached clouds.	c. sky mainly cloudy, but with opening between the clouds.	d. drizzling rain.	e. wet air, without rain falling.	f. fog.	fe. wet fog.	g. gloomy.	h. hail.	l. lightning.	lu. co. lunar corona.
m. denotes mist.	p. passing showers.	q. squally.	r. continuous rain.	s. snow.	so. ha. solar halo.	t. thunder.	t. s. thunder-storm.	u. ugly, threatening appearance.	v. unusual visibility of distant objects.	w. dew.	x. hoar frost.
z. dust haze.											
BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).											
FORCE.	0 Calm.	1 Light Air.	2 Slight Breeze.	3 Gentle Breeze.	4 Moderate Breeze.	5 Fresh Breeze.	6 Strong Breeze.	7 High Wind.	8 Gale.	9 Strong Gale.	10 Whole Gale.
										11 Storm.	12 Hurricane.

WEATHER NOTATION.

a. denotes aurora.	p. denotes mist.
b. blue sky, cloudless.	q. passing showers.
bc. blue sky with detached clouds.	r. squally.
c. sky mainly cloudy, but with openings between the clouds.	s. continuous rain.
d. completely overcast.	so. ha. solar halo.
e. drizzling rain.	t. thunder.
f. wet air, without rain falling.	t. & s. thunder-storm.
g. fog.	u. ugly, threatening appearance.
fe. wet fog.	v. unusual visibility of distant objects.
g. gloomy.	w. dew.
h. hail.	x. hoar frost.
l. lightning.	z. dust haze.
lu. co. lunar corona.	
lu. ha. lunar halo.	

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND (0-12).		
FORCE.	FORCE.	FORCE.
0 Calm.	5 Fresh Breeze.	9 Strong Gale.
1 Light Air.	6 Strong Breeze.	10 Whole Gale.
2 Slight Breeze.	7 High Wind.	11 Storm.
3 Gentle Breeze.	8 Gale.	12 Hurricane.
4 Moderate Breeze.		

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. <u>29.814</u>	29.848
Corrected Mean at 9 P.M., minus Correction for Temp. <u>29.926</u>	29.854
Mean at Station, corrected, and at 32',	29.851
Correction for height, feet above Mean Sea Level, ... + <u>84</u>	
Mean, reduced to 32', and Sea Level,	29.936
Highest Reading, corrected for Index error, on 5 th,	30.540
Lowest Do. Do. on 18 th,	29.104
Difference, or Monthly Range,	1.436

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 13 th,	59.0
Lowest in Month, on 6 th,	29.0
Difference, or Monthly Range,	30.0
Mean of all the Highest,	52.2
Mean of all the Lowest,	39.4
Difference, or Mean Daily Range,	13.2
Mean Temperature of Month, 1/2 (Mean Max. + Mean Min.), ...	45.7
Min. on Grass, Lowest in Month,	
" " Mean,	
Black Bulb, Max. in Sun, Highest in Month,	

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings,	44.6
Wet Bulb, Mean of A.M. and P.M. Readings,	41.4
Computed Temperature of Dew-Point,	
Do. Elastic Force of Vapour,	22.6
Do. Relative Humidity (Saturation = 100), ...	77%
RAIN fell on 18 Days; Amount in Inches,	3.96

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force. 0-12.
A.M.		3	1	4	2	1	5	6	3	5	
P.M.		1	1	6	1	1	1	9	5	5	
Sum.		4	2	10	3	2	6	15	8	10	2.1

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER

SUMMARY.

Number of Days of Precipitation, ...	18
Snow,	0
Hail,	1
Thunder,	0
Clear Sky,	6
Overcast,	10
Fog,	0
Ground Frost,	0
Gale,	3

INSTRUMENTS IN USE.

Barometer, No.	
Dry Bulb, No.	
Wet Bulb, No.	
Maximum, No.	
Minimum, No.	
Solar Radiation, No.	
Grass Min., No.	
Sun Recorder, No.	
1-foot Therm., No.	
4-foot Therm., No.	

Observations made and Return verified by

(Signed)

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH



BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Dumfries, During the MONTH of May 1911.
 Lat. 55° 45' N Long. 5° 45' W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+ RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.						
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.								
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.					
																															inches.	°	inches.	°	°
1	29.804	53	29.550	52	52	34	7	7	47	44	48	48	77	S.	2	S.W.	3	7	7	8	7	10	7	7	7	46			dull, fine	1			9 A.M.	9 P.M.	
2	29.382	53	29.622	55	52	42			48	48	42	41	46	S.S.W.	4	N.	1			10		3				46			" & wet	2					
3	29.210	53	29.400	52	52	42			45	44	43	41	49	S.	4	N.	6			10		10				46			"	3					
4	29.636	52	29.806	55	54	42			49	45	44	43	10	N.	4	N.W.	3			5		8				46			showy ha 1 1/2 earlier - showy some 1 1/2 later	4					
5	29.968	52	30.180	55	56	43			50	44	45	42	-	N.	3	N.W.	2			3		0				46			bright	5					
6	30.208	53	30.108	57	61	35			51	48	51	50	24	S.W.	2	-	-			8		10				46			dull, hazy	6					
7	30.046	56	29.932	59	55	49			52	52	49	49	71	N.	1	S.	4			10		10				46			damp	7					
8	30.108	56	30.156	59	61	44			51	49	49	47	05	N.	2	-	-			4		10				46.5			fine	8					
9	30.138	57	30.136	59	62	44			54	50	50	44	-	E.	4	E.N.E.	4			7		8				46.8			dull & foggy	9					
10	30.096	55	30.036	60	65	45			51	48	53	50	-	E.	4	E.	4			3		0				47			dry hazy	10					
11	30.016	57	30.044	64	68	46			54	62	65	50	-	E.	4	E.	5			2		8				47			"	11					
12	29.988	62	29.862	66	73	51			59	53	57	54	-	E.	4	E.	1			0		8				47			fine	12					
13	29.764	62	29.646	67	63	49			56	53	51	50	36	E.	3	E.	3			7		10				47			dry hazy	13					
14	29.564	59	29.502	60	54	48			48	48	50	50	13	E.	1	S.E.	1			10		10				47.5			wet all night	14					
15	29.624	59	29.712	60	62	44			54	52	53	52	05	-	-	E.	2			0		0				48			dull & damp	15					
16	29.832	57	29.966	59	63	42			53	50	48	46	-	-	-	-	-			5		0				48.5			"	16					
17	29.968	57	30.002	62	67	40			57	51	52	49	-	-	-	S.E.	1			0		10				48.8			fine	17					
18	30.076	59	30.122	60	68	47			54	50	53	50	-	E.	2	S.W.	1			0		0				49			" hazy	18					
19	30.260	58	30.276	61	69	47			53	49	52	49	-	-	-	E.	2			5		0				49			"	19					
20	30.290	59	30.260	60	63	41			52	48	49	47	-	S.	1	N.E.	2			8		0				49.5			"	20					
21	30.160	59	30.066	60	65	41			55	51	53	49	-	N.	2	N.W.	1			3		9				49.8			"	21					
22	29.972	60	29.806	58	63	46			57	51	52	50	05	N.	3	N.	2			4		10				50			"	22					
23	29.725	55	29.825	59	61	52			54	53	52	51	17	N.	3	S.W.	2			10		10				50.5			dull & wet	23					
24	29.822	59	29.832	61	60	50			55	53	55	54	01	N.	3	S.W.	2			5		4				50.5			" & damp	24					
25	29.824	61	29.846	61	62	50			54	52	53	52	-	E.	3	-	-			3		10				50.8			fine hazy	25					
26	30.004	61	30.014	63	69	50			59	54	57	53	-	E.	1	N.W.	1			3		0				51			"	26					
27	30.101	62	30.204	64	67	48			61	56	55	50	-	-	-	N.W.	2			0		0				51			"	27					
28	30.303	60	30.304	67	71	41			57	54	65	60	-	E.N.E.	4	E.	2			3		6				51			" hazy	28					
29	30.315	63	30.300	67	75	52			64	56	60	53	-	E.	3	E.	4			0		0				51			very dry	29					
30	30.234	65	30.146	67	76	55			67	56	58	54	-	E.	3	E.	1			0		0				51.5			" hazy	30					
31	30.054	66	30.068	67	68	54			60	53	59	57	-	E.	4	E.	3			7		0				51.8			dull, dry.	31					
Sums.	29.892	250	29.828	16	97	174			131	17	63	29.5	3.59							143		164				262.5									
Means.	29.964	58.1	29.962	60.5	63.1	45.6			54.2	50.5	52.0	49.5								4.6		5.3				48.5									
Instrumental Errors.									4.2		3.0																								
Corrected Means.									30.8		31.0																								
									73%		80%																								

WEATHER NOTATION.											
a.	denotes aurora.	m.	denotes mist.								
b.	" blue sky, cloudless.	p.	" passing showers.								
bc.	" blue sky with detached clouds.	q.	" squally.								
c.	" sky mainly cloudy, but with openings between the clouds.	r.	" continuous rain.								
d.	" completely overcast.	s.	" snow.								
e.	" drizzling rain.	so. ha.	" solar halo.								
f.	" wet air, without rain falling.	t.	" thunder.								
fe.	" fog.	t. s.	" thunder-storm.								
g.	" gloomy.	u.	" ugly, threatening appearance.								
h.	" hail.	v.	" unusual visibility of distant objects.								
i.	" lightning.	w.	" dew.								
lu. co.	" lunar corona.	x.	" hoar frost.								
lu. ha.	" lunar halo.	z.	" dust haze.								

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).											
FORCE.		FORCE.		FORCE.							
0	Calm.	5	Fresh Breeze.	9	Strong Gale.						
1	Light Air.	6	Strong Breeze.	10	Whole Gale.						
2	Slight Breeze.	7	High Wind.	11	Storm.						
3	Gentle Breeze.	8	Gale.	12	Hurricane.						
4	Moderate Breeze.										

WEATHER NOTATION.

a. denotes aurora.	m. denotes mist.
b. " blue sky, cloudless.	p. " passing showers.
bc. " blue sky with detached clouds.	q. " squally.
c. " sky mainly cloudy, but with openings between the clouds.	r. " continuous rain.
d. " completely overcast.	s. " snow.
dc. " drizzling rain.	so. ha. " solar halo.
e. " wet air, without rain falling.	t. " thunder.
f. " fog.	ts. " thunder-storm.
fe. " wet fog.	u. " ugly, threatening appearance.
g. " gloomy.	v. " unusual visibility of distant objects.
h. " hail.	w. " dew.
l. " lightning.	x. " hoar frost.
lu. co. " lunar corona.	z. " dust haze.
lu. ha. " lunar halo.	

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).		
FORCE.	FORCE.	FORCE.
0 Calm.	5 Fresh Breeze.	9 Strong Gale.
1 Light Air.	6 Strong Breeze.	10 Whole Gale.
2 Slight Breeze.	7 High Wind.	11 Storm.
3 Gentle Breeze.	8 Gale.	12 Hurricane.
4 Moderate Breeze.		

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. 79 .885
 Corrected Mean at 9 P.M., minus Correction for Temp. 86 .876
 Mean at Station, corrected, and at 32°, .881
 Correction for height, feet above Mean Sea Level, + 83
 Mean, reduced to 32°, and Sea Level, 29.964
 Highest Reading, corrected for Index error, on th, Do. Do. on th, Do.
 Difference, or Monthly Range, Do.

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 30 th, 76
 Lowest in Month, on 1 th, 34
 Difference, or Monthly Range, 42
 Mean of all the Highest, 63.1
 Mean of all the Lowest, 45.6
 Difference, or Mean Daily Range, 17.5
 Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), 54.4
 Min. on Grass, Lowest in Month, Do.
 " " Mean, Do.
 Black Bulb, Max. in Sun, Highest in Month, Do.

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 53.1
 Wet Bulb, Mean of A.M. and P.M. Readings, 49.5
 Computed Temperature of Dew-Point, Do.
 Do. Elastic Force of Vapour, .310
 Do. Relative Humidity (Saturation = 100), 76%
 RAIN fell on 13 Days; Amount in Inches, 3.59

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force.	0-12.
A.M.	0	1	2	0	4	1	8	0	5	2.6	
P.M.	0	2	10	2	1	4	3	5	4	2.1	
Sum.	0	3	22	2	5	5	11	5	9	2.3	

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER

SUMMARY.

Number of Days of Precipitation, 13
 Snow, 0
 Hail, 1
 Thunder, 2
 Clear Sky, 8
 Overcast, 7
 Fog, 2
 Ground Frost, 0
 Gale, 0

INSTRUMENTS IN USE.

Barometer, No. Do.
 Dry Bulb, No. Do.
 Wet Bulb, No. Do.
 Maximum, No. Do.
 Minimum, No. Do.
 Solar Radiation, No. Do.
 Grass Min., No. Do.
 Sun Recorder, No. Do.
 1-foot Therm., No. Do.
 4-foot Therm., No. Do.

Observations made and Return verified by Do.

(Signed)

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST



SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn, Rothay, County of But, During the MONTH of June 1911.
 Lat. 55°49'30"N Long. 5°24'50"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+ RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.		
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.				
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.	
																															inches.
1	30.156	65	30.190	69	74	57	7	7	61	58	62	60	-	E.	3	-	-	7	7	8	7	0	7	+	+	51.8	+	+	dull & foggy - very dry, hazy	1	
2	30.184	65	30.112	67	79	64			61	55	60	54	-	E.	4	E.	4			0		0	✓			52			very dry - " " "	2	
3	30.046	65	30.094	68	77	51			61	57	59	55	-	E.	3	E.	4			0		0	✓			52			" " " " "	3	
4	30.172	65	30.266	62	67	53			60	57	57	56	-	NNE	3	NNE	3			4		3				52.5			" " " " colder	4	
5	30.334	62	30.430	62	66	47			59	53	55	63	-	NNE	2	NNE	3			8		10				52.5			" " " " "	5	
6	30.546	59	30.538	65	73	49			60	53	55	51	-	N	1	N	1			0		0	✓			52.8			" " " " "	6	
7	30.532	63	30.422	62	71	44			67	59	59	57	-	N	3	-	0			0		0	✓			53			" " " " "	7	
8	30.420	65	30.178	65	70	50			65	58	57	55	-	N	3	N	4			0		0	✓			53			" " " " "	8	
9	30.074	63	30.050	64	66	52			63	54	53	49	-	E.	3	NNE	1			3		9				53.8			" " " " "	9	
10	30.026	62	29.978	61	65	46			55	51	50	47	-	-	-	NNE	1			9		0				53.8			" " " " "	10	
11	30.008	60	29.976	62	67	46			58	52	54	50	-	E.	2	N	1			1		0	✓			54			" " " " "	11	
12	29.916	59	29.966	62	66	42			57	50	52	49	-	N	3	-	-			2		10				54			" " " " "	12	
13	30.014	59	30.056	59	61	44			54	46	49	47	01	E.	1	E.	1			4		0				54			" " " " - Slight Shower earlier	13	
14	30.108	56	30.138	59	65	38			55	48	48	45	-	-	-	-	-			2		0	✓			54			" " " " - very dry	14	
15	30.188	62	30.166	62	69	45			56	49	53	49	-	E.	1	E.	1			0		0	✓			54			" " " " - hazy	15	
16	30.078	62	29.862	63	66	49			61	54	55	53	43	E.	3	E.	2			4		10				54			" " " " - Wet from 8 P.M.	16	
17	29.568	61	29.470	63	64	50			53	52	56	55	48	E.	3	S.	1			10		10				54			dull, wet all night - dull forepart wet	17	
18	29.482	60	29.486	69	64	54			57	57	56	55	02	-	-	N	1			9		10				54			" showery - showery	18	
19	29.532	63	29.540	67	67	50			60	56	57	55	11	NNE	2	N	2			2		10				54			fine - fine	19	
20	29.690	62	29.782	63	63	53			59	54	53	51	12	N	3	NNE	3			3		10				54.5			" showery - showery	20	
21	29.750	62	29.730	64	58	51			55	54	54	54	10	SNE	3	N	3			10		10				54.5			dull & wet - very wet all day	21	
22	29.350	62	29.320	64	61	52			55	54	52	50	12	SNE	4	N	2			10		10				54.5			" fine - fine	22	
23	29.622	62	29.650	62	62	48			55	52	48	48	02	N	3	N	1			6		0				54.5			" & damp - "	23	
24	29.680	62	29.584	60	60	48			57	53	55	51	55	E.	2	N	4			10		10				54.5			" hazy - drizzly most of day	24	
25	29.560	56	29.732	60	57	48			52	50	51	49	01	N	4	NNW	5			8		0				54.5			" showery - fair, cold	25	
26	29.834	56	30.000	59	54	47			50	47	48	46	-	NNW	5	NNW	2			6		8				54.5			very stormy, over night - "	26	
27	30.080	57	30.118	60	60	44			55	49	52	50	05	N	3	N	1			5		10				54			dull, fine - "	27	
28	30.032	60	30.072	61	61	51			55	53	52	51	05	N	4	N	2			10		10				54			" showery - "	28	
29	29.862	60	29.642	60	61	49			56	53	50	49	03	N	4	NNW	4			5		10				54			breezy, damp - showy	29	
30	29.640	60	29.840	60	61	49			55	52	51	49	07	N	3	N	1			8		10				53.8			dull, some Rn - fine	30	
31																															
Sums.	11410	10	13150	11	12	14			12	14	13	14	4													8					
Means.	28.454	3	28.390	8	4	15.5	26.1		22.7	9	0	11	3	4	3	✓	77	58		147		160		✓		20.5					
Instrumental Errors.	-	-	-	-	-	-	-		-	-5	✓	-5	✓	-5	✓	57.6	52.5	53.8	50.4				✓		✓						
Corrected Means.									5.1			2.9	✓																		
									52.5			50.9																			

WEATHER NOTATION.											
a. denotes aurora.	b. " blue sky, cloudless.	bc. " blue sky with detached clouds.	c. " sky mainly cloudy, but with openings between the clouds.	d. " completely overcast.	e. " drizzling rain.	f. " wet air, without rain falling.	fe. " fog.	g. " gloomy.	h. " hail.	l. " lightning.	lu. co. " lunar corona.
m. denotes mist.	p. " passing showers.	q. " squally.	r. " continuous rain.	s. " snow.	so. ha. " solar halo.	t. " thunder.	t. s. " ugly, threatening appearance.	v. " unusual visibility of distant objects.	w. " dew.	x. " hoar frost.	z. " dust haze.
BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).											
FORCE.	1	2	3	4	5	6	7	8	9	10	11
	Light Air.	Slight Breeze.	Gentle Breeze.	Moderate Breeze.	Fresh Breeze.	Strong Breeze.	High Wind.	Gale.	Strong Gale.	Whole Gale.	Storm.
											12 Hurricane.

WEATHER NOTATION.			
a. denotes aurora.	b. blue sky, cloudless.	bc. blue sky with detached clouds.	c. sky mainly cloudy, but with openings between the clouds.
d. drizzling rain.	e. wet air, without rain falling.	f. fog.	fe. wet fog.
g. gloomy.	h. hail.	i. lightning.	lu. co. lunar corona.
lu. lu. lunar halo.	m. denotes mist.	p. passing showers.	q. squally.
r. continuous rain.	s. snow.	so. ha. solar halo.	t. thunder.
ts. thunder-storm.	u. ugly, threatening appearance.	v. unusual visibility of distant objects.	w. dew.
x. hoar frost.	y. dust haze.		

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).			
0 Calm.	5 Fresh Breeze.	10 Strong Gale.	
1 Light Air.	6 Strong Breeze.	11 Whole Gale.	
2 Slight Breeze.	7 High Wind.	12 Hurricane.	
3 Gentle Breeze.	8 Gale.		
4 Moderate Breeze.			

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. <u>29.948</u>	<u>29.800</u>
Corrected Mean at 9 P.M., minus Correction for Temp. <u>29.946</u>	<u>29.854</u>
Mean at Station, corrected, and at 32°,.....	<u>29.857</u>
Correction for height, feet above Mean Sea Level,.....	<u>82</u>
Mean, reduced to 32°, and Sea Level,.....	<u>29.939</u>
Highest Reading, corrected for Index error, on 6 th,.....	<u>30.546</u>
Lowest Do. Do., on 22 th,.....	<u>29.350</u>
Difference, or Monthly Range,.....	<u>1.196</u>

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 2 nd th,.....	<u>79.0</u> ✓
Lowest in Month, on 14 th,.....	<u>38.0</u> ✓
Difference, or Monthly Range,.....	<u>41.0</u> ✓
Mean of all the Highest,.....	<u>65.2</u> ✓
Mean of all the Lowest,.....	<u>48.7</u> ✓
Difference, or Mean Daily Range,.....	<u>16.5</u> ✓
Mean Temperature of Month, 1/2 (Mean Max. + Mean Min.), ...	<u>56.9</u> ✓
Min. on Grass, Lowest in Month,.....	
" " Mean,.....	
Black Bulb, Max. in Sun, Highest in Month,.....	

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings,.....	<u>55.7</u> ✓
Wet Bulb, Mean of A.M. and P.M. Readings,.....	<u>51.7</u> ✓
Computed Temperature of Dew-Point,.....	
Do. Elastic Force of Vapour,.....	<u>.336</u>
Do. Relative Humidity (Saturation = 100),.....	<u>75%</u>
RAIN fell on 15 Days; Amount in Inches,.....	<u>2.77</u>

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0-12.
A.M.	7	0	10	0	0	2	7	1	3		
P.M.	5	0	5	0	1	0	10	5	4		
Sum.	12	0	15	0	1	2	17	6	7	2.2	

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER SUMMARY.

Number of Days of Precipitation, ...	<u>15</u>
Snow,.....	<u>0</u>
Hail,.....	<u>0</u>
Thunder,.....	<u>20</u>
Clear Sky,.....	<u>8</u>
Overcast,.....	<u>8</u>
Fog,.....	<u>1</u>
Ground Frost,.....	<u>1</u>
Gale,.....	<u>1</u>

INSTRUMENTS IN USE.

Barometer, No.	
Dry Bulb, No.	
Wet Bulb, No.	
Maximum, No.	
Minimum, No.	
Solar Radiation, No.	
Grass Min., No.	
Sun Recorder, No.	
1-foot Therm., No.	
4-foot Therm., No.	

Observations made and Return verified by {

(Signed)

Rotary June 1911

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST



202 102

SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydrow, County of Bute, During the MONTH of July 1911.
 Lat. 55°49'50"N Long. 5°4'51"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 8 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				*SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.	
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Ane. monometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.			
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.
1	29.578	59	29.672	58	61	49	X+X	7	55	52	49	46	1.07	W.	2	W.	2	7	7	10	7	9	7	53.8			dull calm Br. - fine but cold	1		
2	29.840	58	30.048	57	59	43			55	50	49	46	-	N.W.	3	N.W.	4			7		3		53.8			" " " "	2		
3	30.244	59	30.292	59	61	41			58	52	51	51	1.24	W.	3	-				5		10		53.8			fine, but breezy - wet from 6 P.	3		
4	30.280	62	30.324	63	59	51			56	56	58	58	1.18	W.	2	N.W.	1			10		10		53.8			dull & wet - foggy & wet	4		
5	30.344	64	30.266	65	65	56			58	58	57	56	-	-	-	-	-			10		10		53.8			foggy & damp - fine, dull	5		
6	30.198	64	30.246	64	63	49			60	57	57	46	1.24	-	-	-	-			8		10		54			" dry - " "	6		
7	30.268	64	30.240	65	60	54			55	55	58	58	1.15	-	-	-	-			10		10		54			" & wet - wet all day.	7		
8	30.314	64	30.410	67	67	55			58	58	55	54	-	W.	3	W.	1			10		3		54			showery - fine	8		
9	30.500	64	30.558	69	73	51			63	57	60	55	-	E.	2	E.	1			0		0		54			fine - " but hazy	9		
10	30.608	67	30.584	68	75	52			65	57	55	54	-	E.	2	W.	1			0		0		54			" hazy - " " "	10		
11	30.608	64	30.568	70	80	49			70	64	57	56	-	-	-	-	-			0		0		54.8			" " " "	11		
12	30.568	68	30.564	75	84	53			67	59	61	61	-	-	-	-	-			0		0		54.5			" " " "	12		
13	30.534	74	30.472	76	83	52			73	63	63	60	-	E.	1	-	-			0		0		55			" " " "	13		
14	30.432	71	30.368	68	73	53			72	61	59	58	-	N.	2	-	-			0		10		56			" " " " dull colder	14		
15	30.368	68	30.210	63	68	55			61	57	55	51	1.01	W.	1	N.W.	2			6		8		56			" dull - fine	15		
16	30.062	64	29.974	62	63	55			57	56	56	55	1.08	W.	3	N.W.	1			10		10		56			dull & damp - " cool	16		
17	29.738	62	29.600	61	59	54			55	55	55	53	1.06	W.	1	N.W.	4			10		10		56			" showery - drizzly all day	17		
18	29.572	61	29.706	62	62	52			57	55	52	51	1.04	W.	3	W.	1			6		8		56			" & damp - fine	18		
19	29.856	61	29.990	64	64	50			58	54	55	50	1.09	W.	4	W.	1			3		10		56			fine breezy - " "	19		
20	30.034	64	29.964	65	62	52			56	54	59	59	1.09	E.	3	W.	1			8		10		56			dull hazy - very wet from noon	20		
21	29.954	67	30.022	65	66	56			62	62	57	56	1.13	S.	3	W.	2			10		10		56			" showery - fine 3 P.M. distance	21		
22	30.048	63	30.208	62	65	53			61	55	55	52	-	W.	4	W.	2			5		9		56			dry breezy - " "	22		
23	30.232	62	30.162	63	67	51			59	54	54	53	1.05	N.W.	3	W.	1			8		10		56			" dull - " slight showers	23		
24	30.032	64	29.800	66	59	50			57	56	54	54	1.05	S.W.	2	W.	1			10		10		56			wet & " - very wet	24		
25	29.754	66	29.844	63	63	52			59	59	53	51	1.36	S.W.	2	W.	1			7		10		56			dull & damp - fine	25		
26	29.812	62	29.774	66	68	51			53	52	59	58	1.18	E.	4	-	-			10		10		55.8			" showery - " "	26		
27	29.736	65	29.860	66	64	58			60	60	59	57	1.63	S.	4	W.	1			10		10		53.8			" & wet - drizzly	27		
28	29.924	66	30.100	65	69	47			60	60	56	55	1.06	S.	2	N.	1			10		9		53.8			" showy - dull, fine	28		
29	30.100	65	29.884	67	70	53			62	59	63	61	1.41	E.	5	E.	8			6		10		53.8			" & foggy - 3 P.M. noon & evening	29		
30	29.760	69	29.840	68	71	60			67	65	61	60	1.02	-	-	S.	2			6		9		53.8			damp & " - fine stormy & wet from 10 P.	30		
31	29.954	69	29.934	70	73	60			62	60	60	58	1.01	S.	1	-	-			8		8		56			" & dull - fine	31		
Sums.	1513.13	15	1614.10	15	13	10			14	14	15	13	1.24											169						
Means.	30.252	14.0	30.484	16.2	21.6	4.7			1.1	22.2	20.0	14.3		65	38					203		236			160.0					
Instrumental Errors.	30.105	64.5	30.145	65.2	66.9	51.5			60.4	57.2	56.5	54.6		2.09	1.23					6.5		7.6			55.2					
Corrected Means.	30.105		30.145						60.4	56.7	56.5	54.1		3.7	2.4															
									4.10																					
									78%																					
									85%																					

WEATHER NOTATION.											
a.	denotes	aurora.	m.	denotes	mist.						
b.	"	blue sky, cloudless.	p.	"	passing showers.						
bc.	"	blue sky with detached clouds.	q.	"	squally.						
c.	"	sky mainly cloudy, but with openings between the clouds.	r.	"	continuous rain.						
o.	"	completely overcast.	s.	"	snow.						
d.	"	drizzling rain.	so. ha.	"	solar halo.						
e.	"	wet air, without rain falling.	t.	"	thunder.						
f.	"	fog.	t. s.	"	thunder-storm.						
fe.	"	wet fog.	u.	"	ugly, threatening appearance.						
g.	"	gloomy.	v.	"	unusual visibility of distant objects.						
h.	"	hail.	w.	"	dew.						
i.	"	lightning.	x.	"	hoar frost.						
lu. co.	"	lunar corona.	z.	"	dust haze.						
lu. ha.	"	lunar halo.									

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).											
force.				force.				force.			
0	Calm.	5	Fresh Breeze.	9	Strong Gale.	11	Storm.	12	Hurricane.		
1	Light Air.	6	Strong Breeze.	10	Whole Gale.						
2	Slight Breeze.	7	High Wind.								
3	Gentle Breeze.	8	Gale.								
4	Moderate Breeze.										

WEATHER NOTATION.			
a. denotes aurora.	b. blue sky, cloudless.	bc. blue sky with detached clouds.	c. sky mainly cloudy, but with openings between the clouds.
d. completely overcast.	e. drizzling rain.	f. wet air, without rain falling.	g. fog.
h. wet fog.	i. gloomy.	j. hail.	k. lightning.
lu. co. lunar corona.	lu. ha. lunar halo.	m. denotes mist.	n. passing showers.
o. squally.	p. continuous rain.	q. snow.	r. solar halo.
so. ha. thunder.	t. s. thunder-storm.	u. ugly, threatening appearance.	v. unusual visibility of distant objects.
w. dew.	x. hoar frost.	y. dust haze.	

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).			
0 Calm.	5 Fresh Breeze.	10 Strong Gale.	
1 Light Air.	6 Strong Breeze.	11 Whole Gale.	
2 Slight Breeze.	7 High Wind.	12 Storm.	
3 Gentle Breeze.	8 Gale.		
4 Moderate Breeze.			

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. 30.105 -.007 30.007
 Corrected Mean at 9 P.M., minus Correction for Temp. 30.145 -.013 30.013
 Mean at Station, corrected, and at 32°, 30.009
 Correction for height, feet above Mean Sea Level, + .82
 Mean, reduced to 32°, and Sea Level, 30.091
 Highest Reading, corrected for Index error, on 11 th, 30.608
 Lowest Do. Do., on 18 th, 29.572
 Difference, or Monthly Range, 1.036

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 12 th, 84.0 ✓
 Lowest in Month, on 3 th, 41.0 ✓
 Difference, or Monthly Range, 43.0 ✓
 Mean of all the Highest, 67.0
 Mean of all the Lowest, 52.2
 Difference, or Mean Daily Range, 14.8
 Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), 59.6
 Min. on Grass, Lowest in Month, 59.2
 " " Mean, 59.2
 Black Bulb, Max. in Sun, Highest in Month, 59.2

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 58.5
 Wet Bulb, Mean of A.M. and P.M. Readings, 55.4
 Computed Temperature of Dew-Point, 53.7
 Do. Elastic Force of Vapour, 397
 Do. Relative Humidity (Saturation = 100), 80%
 RAIN fell on 21 Days; Amount in Inches, 4.24

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0-12.
A.M.		1	0	6	0	5	1	11	1	6	
P.M.		2	0	2	0	1	0	13	3	10	
Sun.		3	0	8	0	6	1	24	4	16	1.7

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER SUMMARY.

Number of Days of Precipitation, 21
 Snow, 0
 Hail, 0
 Thunder, 2
 Clear Sky, 4
 Overcast, 15
 Fog, 5
 Ground Frost, 0
 Gale, 0

INSTRUMENTS IN USE.

Barometer, No.
 Dry Bulb, No.
 Wet Bulb, No.
 Maximum, No.
 Minimum, No.
 Solar Radiation, No.
 Grass Min., No.
 Sun Recorder, No.
 1-foot Therm., No.
 4-foot Therm., No.

Observations made and Return verified by

(Signed)

Rotheray
July 1944
THE SE

122 GEORGE STREET

EDINBURGH



BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of August 1911.
 Lat. 55°47'50"N Long. 5°45'30"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc.	Date.		
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			Amount at 9 A.M.	9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.			9 P.M.		9 A.M.					At 9 A.M.	At 9 P.M.
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.			Direction.	Force, Scale of 0-12.	Direction.	Force, Scale of 0-12.		Species and Direction.	Amount (0-10).		Species and Direction.	Amount (0-10).	3 ins.	12 ins.	48 ins.				
1	29.844	70	29.884	70	70	60	7	7	65	62	60	59	12	-	-	SM	1	+	+	9	+	9	+	+	+	56			dull & hazy - fine	1	
2	30.012	69	29.926	67	70	53			65	61	59	57	20	NSM	2	P.	2			2		10			56			fine - very wet	2		
3	29.846	68	29.886	64	66	51			59	57	51	50	22	S.	3	-	-			10		0			56			dull & damp - fine	3		
4	29.910	65	29.830	63	66	49			62	58	56	55	23	M.	1	SM	1			7		5			56			" " - "	4		
5	29.552	65	29.624	65	65	55			60	60	55	55	24	SSM	3	M.	1			10		10			56			" " - very wet from 8 P	5		
6	29.674	64	29.768	63	64	51			58	55	57	57	12	M.	2	M.	3			8		10			56			" " - showery	6		
7	29.950	66	30.010	67	66	57			62	60	61	60	08	M.	3	M.	2			9		10			56			" " - fine	7		
8	30.108	67	30.066	70	71	57			63	61	63	61	-	S.	3	SE	1			8		9			56			" hazy - "	8		
9	30.052	70	30.052	66	70	58			66	63	58	56	-	S.	4	M.	1			3		8			56			fine breezy - "	9		
10	30.238	65	30.294	66	70	51			63	59	55	54	-	M.	2	M.	1			3		0			56			" " - "	10		
11	30.284	67	30.252	67	73	54			63	58	57	54	12	E.	3	E.	5			0		0			56.5			" " - cooler strong wind	11		
12	30.218	66	30.190	65	68	58			60	57	59	57	-	E.	4	E.	5			3		0			56.8			fine, T & L 2 am - "	12		
13	30.250	66	30.284	66	74	58			63	62	67	64	-	E.	5	E.	3			0		0			56.8			dry fine - fine	13		
14	30.318	66	30.274	70	72	56			60	58	62	59	-	E.	4	E.	2			0		0			57			" hazy - "	14		
15	30.236	67	30.182	70	76	55			64	60	61	59	-	E.	1	E.	1			0		0			57			" " - "	15		
16	30.178	68	30.162	69	73	51			61	57	55	54	-	E.	3	-	-			0		0			57			" " - "	16		
17	30.114	67	30.014	67	73	50			61	59	59	58	12	-	-	M.	1			3		8			57			" " - "	17		
18	30.004	64	29.924	64	68	57			61	57	59	57	-	NW	3	M.	1			7		10			57			dull Rn earlier - "	18		
19	29.904	66	29.910	66	68	56			60	58	57	56	-	-	-	S.	1			10		10			57			" hazy - "	19		
20	29.784	65	29.732	65	68	50			59	58	57	56	-	-	-	-	-			10		1			57			" " - "	20		
21	29.722	65	29.764	66	72	55			64	60	60	58	102	E.	2	-	-			3		10			57			" " - T & L 3-30 P in distance	21		
22	29.872	65	29.880	64	62	49			58	55	53	51	-	-	-	M.	1			10		0			57			" fine - fine	22		
23	29.880	63	29.816	62	66	46			55	53	50	48	102	-	-	-	-			7		0			57			hazy " - "	23		
24	29.508	64	29.460	64	63	49			57	56	57	56	186	E.	2	NW	5			10		10			57			damp foggy - showy T & L 3-30 P	24		
25	29.616	63	29.728	62	65	49			57	55	57	56	16	NSM	3	NW	2			10		10			57			" dull - "	25		
26	29.874	64	29.742	65	62	55			59	57	58	58	125	NSM	2	M.	4			10		8			57			" " - wet earlier (fine)	26		
27	29.818	64	29.740	65	65	52			60	57	56	55	103	M.	1	-	-			8		10			57			" " - dull & wet	27		
28	29.742	65	29.682	63	68	53			59	57	56	55	146	NSM	2	-	-			6		6			56.8			" " - T & L 5 P. (very wet L)	28		
29	29.730	62	30.016	60	62	53			54	53	53	51	110	M.	4	M.	1			10		0			56.8			showery - fine	29		
30	30.150	65	30.130	60	66	44			59	55	51	50	101	-	-	S.	1			2		0			56.5			fine - "	30		
31	29.970	64	29.784	62	60	50			57	55	58	57	105	NSM	1	NW	5			9		10			56.5			dull & damp - very wet from noon	31		
Sums.	161211	15	15169	11	12	14			13	15	15	16	444												104						
Means.	29.358	7.5	28.906	16.3	24.2	9.2			1.4	24.3	22.7	18.3				63			51						4.7						
Instrumental Errors.	29.947	65.6	29.932	65.3	67.8	53.0			60.4	57.8	57.3	55.9				2.0			1.6						56.6						
Corrected Means.									3.1	5	1.9	5																			
									4.4		4.13																				
									82		87.7																				
									57.3		55.4																				

WEATHER NOTATION.

a. denotes aurora.

b. " blue sky, cloudless.

bc. " blue sky with detached clouds.

c. " sky mainly cloudy, but with openings between the clouds.

d. " completely overcast.

e. " drizzling rain.

f. " wet air, without rain falling.

fe. " fog.

g. " wet fog.

h. " gloomy.

i. " hail.

l. " lightning.

lu. co. " lunar corona.

lu. ha. " lunar halo.

m. denotes mist.

p. " passing showers.

q. " squally.

r. " continuous rain.

s. " snow.

so. ha. " solar halo.

t. " thunder.

t. s. " thunder-storm.

u. " ugly, threatening appearance.

v. " unusual visibility of distant objects.

w. " dew.

x. " hoar frost.

z. " dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND.—(0—12).

FORCE.

0 Calm.

1 Light Air.

2 Slight Breeze.

3 Gentle Breeze.

4 Moderate Breeze.

5 Fresh Breeze.

6 Strong Breeze.

7 High Wind.

8 Gale.

9 Strong Gale.

10 Whole Gale.

11 Storm.

12 Hurricane.

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for		
Temp. <u>29.947</u>	<u>1.00</u>	<u>29.847</u>
Corrected Mean at 9 P.M., minus Correction for		
Temp. <u>29.932</u>	<u>0.97</u>	<u>29.833</u>
Mean at Station, corrected, and at 32°,		<u>29.840</u>
Correction for height, feet above Mean Sea Level,...	+	<u>82</u>
Mean, reduced to 32°, and Sea Level,		<u>29.922</u>
Highest Reading, corrected for Index error, on 14 th,		<u>30.318</u>
Lowest Do. Do. on 24 th,		<u>29.460</u>
Difference, or Monthly Range,		<u>0.858</u>

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 15 th ,	<u>76.0</u>
Lowest in Month, on 30 th ,	<u>44.0</u>
Difference, or Monthly Range,	<u>32.0</u>
Mean of all the Highest,	<u>67.8</u>
Mean of all the Lowest,	<u>53.0</u>
Difference, or Mean Daily Range,	<u>14.8</u>
Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), ...	<u>60.4</u>
Min. on Grass, Lowest in Month,	_____
" " Mean,	_____
Black Bulb, Max. in Sun, Highest in Month,	_____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb , Mean of A.M. and P.M. Readings,	58.9
Wet Bulb , Mean of A.M. and P.M. Readings,	56.8
Computed Temperature of Dew-Point ,	
Do. Elastic Force of Vapour ,	420
Do. Relative Humidity (Saturation = 100), ...	84.70
RAIN fell on 19 Days; Amount in Inches,	4.44

WIND.	SUMMARY.										
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.	
A.M.	0	0	8	0	4	0	11	1	4	2.0	
P.M.	0	0	5	1	3	2	10	3	7	1.6	
Sum.	0	0	13	1	7	2	21	4	14	1.8	

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ...	
Snow,	19
Hail,	0
Thunder,	4
Clear Sky,	8
Overcast,	12
Fog,	1
Ground Frost,	
Gale,	0

INSTRUMENTS IN USE.

Barometer, No. _____
 Dry Bulb, No. _____
 Wet Bulb, No. _____
 Maximum, No. _____
 Minimum, No. _____
 Solar Radiation, No. _____
 Grass Min., No. _____
 Sun Recorder, No. _____
 1-foot Therm., No. _____
 4-foot Therm., No. _____

Observations made and Return verified by	
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(Signed).

13ute

Aug. 1911

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST



SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of September 1911.
 Lat. 55° 49' 30" N Long. 5° 43' 20" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+ RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.		
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.				
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Amount at 9 A.M.	Direction.	Force. Scale of 0-12.	Direction.		Force. Scale of 0-12.	Species and Direction.	Amount (0-10).		Species and Direction.	Amount (0-10).	3 ins.					12 ins.	48 ins.
1	29.900	62	29.866	62	62	54	71	7	59	58	54	53	.08	N.	2	N.	1	+	7	10	+	0	7	7	56		dull & wet - fine	1			
2	30.014	62	30.106	63	66	53			59	57	55	53	.05	N.	1	N.	1		5		10				56		" damp - "	2			
3	30.224	62	30.306	63	65	54	1		60	56	54	52	-	N.	3	-	-		4		9				56		fine - "	3			
4	30.220	62	30.144	63	68	44			55	53	56	54	-	-	-	N.W.	1		8		8				56		" - "	4			
5	30.134	62	30.210	62	62	55			59	57	58	58	.03	N.	5	N.	2		10		10				56		strong Wind - "	5			
6	30.178	62	30.178	64	64	56			62	59	57	56	-	-	-	-	-		4		10				56		fine - "	6			
7	30.156	63	30.112	66	63	55			59	57	59	58	-	-	-	-	-		8		10				56		" - "	7			
8	30.022	64	30.100	62	64	48			61	58	48	47	-	N.	3	-	-		8		0				56		" - "	8			
9	30.116	62	30.108	62	64	44			54	52	54	51	-	E.N.E.	2	E.	2		2		10				56		hazy - "	9			
10	30.064	63	29.978	64	62	49			54	51	55	54	-	E.	3	E.	1		10		0				56		" - "	10			
11	29.930	65	30.034	64	63	55	1		61	59	55	54	.12	S.W.	3	N.W.	1		9		0				55.8		" - " hazy	11			
12	30.008	60	29.972	62	64	51	1		57	54	51	49	-	-	-	N.W.	2		0		1				55.5		" - "	12			
13	30.012	63	30.088	68	62	45			53	51	51	47	-	N.	3	N.	1		2		2				55.5		" - "	13			
14	30.172	57	30.250	58	61	47			56	51	51	48	-	N.N.W.	3	N.	3		0		0				55.5		" - "	14			
15	30.346	55	30.372	56	61	40			52	45	50	47	-	N.	4	N.	3		2		0				55		" - " cold	15			
16	30.372	54	30.308	57	58	41			53	49	52	50	.01	-	-	N.	2		0		10				55		" - "	16			
17	30.306	54	30.300	60	60	50			54	52	57	56	.02	N.	3	N.	3		7		10				55		" - "	17			
18	30.210	60	30.076	62	61	53	1		57	56	53	52	.05	N.	4	S.W.	1		10		10				54.8		Slight shower - Slight shower	18			
19	29.794	59	29.492	64	64	53			56	53	56	53	.18	N.	3	S.W.	1		9		10				54.5		dull & damp - dull	19			
20	29.276	58	29.292	56	58	43			56	54	44	43	.10	N.	2	S.W.	1		7		0				54.5		some showers - all day	20			
21	29.430	57	29.634	56	59	38			50	48	45	43	.06	-	-	N.	1		2		0				54.5		fine - some Rain	21			
22	29.714	54	29.670	59	58	38			48	47	52	50	.35	E.N.E.	1	S.E.	4		10		10				54		dull & damp - dull & wet	22			
23	29.506	57	29.556	62	60	50			55	55	52	52	.29	S.	3	-	-		10		0				54		" - wet - very damp from rain	23			
24	29.734	62	29.890	64	61	48			55	53	51	50	.08	N.	1	-	-		8		10				54		fine - very wet	24			
25	29.936	60	29.780	64	64	44			52	52	53	53	.07	S.	2	S.W.	2		8		10				54		cloudy & hazy - showery	25			
26	29.872	61	29.840	64	63	49			55	51	56	54	.17	N.	4	N.	4		3		10				54		fine - "	26			
27	29.920	62	29.950	58	58	43	1		50	49	43	43	.54	N.	3	S.W.	1		10		0				53.8		dull showery - heavy shower lightning	27			
28	29.996	58	30.076	58	55	40			49	48	43	42	.34	N.	5	N.	1		4		0				53.8		strong Wind - "	28			
29	30.132	53	29.916	54	52	41			47	44	43	42	.46	N.	3	N.	3		3		10				53.8		showery cold - very wet	29			
30	30.044	52	30.202	53	53	39			48	43	42	40	-	N.	3	N.	4		3		0				53.5		fine - fine but cold	30			
31																													31		
Sums.	297.32	282	29.806	20	29	220			146	72	50	04	3.00		69	47			176	✓	160	✓			157						
Means.	29.991	59.4	29.994	60.7	61.0	47.3			54.9	52.4	51.7	50.1			23	16			5.9	✓	5.3	✓			55.0	✓					
Instrumental Errors.																															
Corrected Means.																															

WEATHER NOTATION.											
a.	denotes	aurora.	m.	denotes	mist.						
b.	"	blue sky, cloudless.	p.	"	passing showers.						
bc.	"	blue sky with detached clouds.	q.	"	squally.						
c.	"	sky mainly cloudy, but with openings between the clouds.	r.	"	continuous rain.						
d.	"	completely overcast.	s.	"	snow.						
e.	"	drizzling rain.	so. ha.	"	solar halo.						
f.	"	wet air, without rain falling.	t.	"	thunder.						
fe.	"	fog.	t. s.	"	thunder-storm.						
g.	"	gloomy.	u.	"	ugly, threatening appearance.						
h.	"	hail.	v.	"	unusual visibility of distant objects.						
l.	"	lightning.	w.	"	dew.						
lu. co.	"	lunar corona.	x.	"	hoar frost.						
lu. ha.	"	lunar halo.	z.	"	dust haze.						

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND.—(0-12).											
FORCE.				FORCE.				FORCE.			
0	Calm.	5	Fresh Breeze.	6	Strong Breeze.	9	Strong Gale.				
1	Light Air.	7	High Wind.	10	Whole Gale.	11	Storm.				
2	Slight Breeze.	8	Gale.	12	Hurricane.						
3	Gentle Breeze.										
4	Moderate Breeze.										

WEATHER NOTATION.											
a.	denotes aurora.	m.	denotes mist.	p.	passing showers.	q.	squally.	r.	continuous rain.	s.	snow.
b.	blue sky, cloudless.	p.	passing showers.	q.	squally.	r.	continuous rain.	s.	snow.	so. ha.	solar halo.
bc.	blue sky with detached clouds.	q.	squally.	r.	continuous rain.	s.	snow.	so. ha.	solar halo.	t.	thunder.
c.	sky mainly cloudy, but with openings between the clouds.	r.	continuous rain.	s.	snow.	so. ha.	solar halo.	t.	thunder.	th. st.	thunder-storm.
o.	completely overcast.	s.	snow.	so. ha.	solar halo.	t.	thunder.	th. st.	thunder-storm.	u.	ugly, threatening appearance.
d.	drizzling rain.	so. ha.	solar halo.	t.	thunder.	th. st.	thunder-storm.	u.	ugly, threatening appearance.	v.	unusual visibility of distant objects.
e.	drizzle, without rain falling.	t.	thunder.	th. st.	thunder-storm.	u.	ugly, threatening appearance.	v.	unusual visibility of distant objects.	w.	dew.
f.	fog.	th. st.	thunder-storm.	u.	ugly, threatening appearance.	v.	unusual visibility of distant objects.	w.	dew.	x.	hoar frost.
fe.	fine fog.	u.	ugly, threatening appearance.	v.	unusual visibility of distant objects.	w.	dew.	x.	hoar frost.	z.	dust haze.
g.	gloomy.	v.	unusual visibility of distant objects.	w.	dew.	x.	hoar frost.	z.	dust haze.		
h.	hail.	w.	dew.	x.	hoar frost.	z.	dust haze.				
i.	lightning.	x.	hoar frost.	z.	dust haze.						
lu. co.	lunar corona.	z.	dust haze.								
lu. ha.	lunar halo.										

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).											
0	Calm.	5	Fresh Breeze.	10	Whole Gale.	15	Strong Gale.	20	Storm.	25	Hurricane.
1	Light Air.	6	Strong Breeze.	11	Strong Gale.	16	Storm.	21	Hurricane.		
2	Slight Breeze.	7	High Wind.	12	Hurricane.						
3	Gentle Breeze.	8	Gale.								
4	Moderate Breeze.										

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. 83 } 908
 Corrected Mean at 9 P.M., minus Correction for Temp. 86 } 908
 Mean at Station, corrected, and at 32°, 908
 Correction for height, feet above Mean Sea Level, 83 +
 Mean, reduced to 32°, and Sea Level, 991
 Highest Reading, corrected for Index error, on th, 908
 Lowest Do. Do., on th, 908
 Difference, or Monthly Range, 991

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 4 th, 68 ✓
 Lowest in Month, on 21 th, 38 ✓
 Difference, or Monthly Range, 30 ✓
 Mean of all the Highest, 61.0 ✓
 Mean of all the Lowest, 47.3 ✓
 Difference, or Mean Daily Range, 13.7 ✓
 Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), 54.2 ✓
 Min. on Grass, Lowest in Month, 51.9 ✓
 " " Mean, 49.6 ✓
 Black Bulb, Max. in Sun, Highest in Month, 54.2 ✓

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 53.3 ✓
 Wet Bulb, Mean of A.M. and P.M. Readings, 50.7 ✓
 Computed Temperature of Dew-Point, 33.6 ✓
 Do. Elastic Force of Vapour, 336 ✓
 Do. Relative Humidity (Saturation = 100), 82% ✓
 RAIN fell on 18 Days; Amount in Inches, 3.00

WIND. SUMMARY.											
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0-12.	
A.M.	4	1	2		3		14		6	2.3	
P.M.	6		2	1		5	7	3	6	1.6	
Sum.	10	1	4	1	3	5	21	3	12	2.0	

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.

† Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER

SUMMARY.

Number of Days of Precipitation, ... 18
 Snow, ... 0
 Hail, ... 0
 Thunder, ... 0
 Clear Sky, ... 5 ✓
 Overcast, ... 8 ✓
 Fog, ... 0
 Ground Frost, ... 0
 Gale, ... 0

INSTRUMENTS IN USE.

Barometer, No.
 Dry Bulb, No.
 Wet Bulb, No.
 Maximum, No.
 Minimum, No.
 Solar Radiation, No.
 Grass Min., No.
 Sun Recorder, No.
 1-foot Therm., No.
 4-foot Therm., No.

Observations made and Return verified by

(Signed)

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST



SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glasburn Hydro, County of Bute, During the MONTH of October 1911.
 Lat. 55° 49' 30" N Long. 5° 43' 30" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+ RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.	
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.		9 P.M.		9 A.M.			At 9 A.M.	At 9 P.M.			
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.		Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).	Species and Direction.		Amount (0-10).	3 ins.	12 ins.					48 ins.
1	30.372	50	30.242	53	57	38	7	7	46	43	45	43	-	N.	3	N.	1	7	4	7	10	7	°	°	°	fine but cold	fine	1		
2	30.088	53	29.860	53	53	42			46	45	46	44	.08	-	-	E.	2		10		10		°	°	°	" dull	showery	2		
3	30.090	52	30.158	53	57	44			50	45	47	43	-	N.E.	4	N.	4		1		0		°	°	°	"	fine	3		
4	30.182	52	30.250	57	56	41			48	43	47	45	-	N.	4	-	-		7		1		°	°	°	" but cold	"	4		
5	30.260	54	30.150	58	58	39			47	46	51	47	-	-	-	N.E.	3		8		10		°	°	°	" " foggy	"	5		
6	30.251	57	30.251	58	56	47			50	47	50	48	-	E.	4	E.	3		7		10		°	°	°	dull haze	dull foggy	6		
7	30.054	56	29.942	58	58	47			52	46	46	46	.05	E.	2	E.	3		10		7		°	°	°	" foggy	"	7		
8	30.101	54	30.305	57	58	41			50	49	49	47	.01	-	-	E.	2		3		10		°	°	°	"	showery	8		
9	30.403	54	30.503	54	53	38			45	41	39	38	-	E.	4	-	-		8		2		°	°	°	" haze	foggy	9		
10	30.554	50	30.505	52	55	34			40	39	41	41	-	-	-	-	-		0		0		°	°	°	foggy	fine clear	10		
11	30.454	51	30.354	52	52	37			46	46	41	41	-	-	-	-	-		8		10		°	°	°	"	dull foggy	11		
12	30.154	53	30.052	58	53	34			48	46	47	46	-	E.	3	-	-		8		10		°	°	°	dull	"	12		
13	30.005	53	29.974	58	56	46			49	48	50	48	-	E.	2	E.	5		10		8		°	°	°	"	brisk & foggy	13		
14	30.042	55	30.220	58	55	48			50	49	50	49	-	E.	4	E.	5		10		0		°	°	°	"	fine	14		
15	30.390	56	30.394	59	56	46			50	49	52	50	-	E.	3	E.	2		2		10		°	°	°	fine haze	hazy	15		
16	30.358	57	30.290	57	54	49			51	48	49	46	-	E.	4	E.	5		8		2		°	°	°	"	"	16		
17	30.218	57	30.156	58	57	49			52	51	50	48	-	E.	4	E.	8		10		0		°	°	°	dull & foggy	fine, but stormy	17		
18	30.108	55	30.088	58	53	48			50	49	50	48	.05	E.	3	E.	5		8		0		°	°	°	"	"	18		
19	29.980	56	29.732	57	54	49			50	50	51	50	.40	E.	4	E.	6		10		10		°	°	°	" & wet	stormy & wet all day	19		
20	29.600	56	29.560	59	56	50			52	52	54	54	.14	E.	3	-	-		10		10		°	°	°	"	foggy & damp	20		
21	29.338	59	29.120	60	56	49	x		54	54	50	50	.60	S.	2	S.	2		10		10		°	°	°	"	Wet all day	21		
22	29.022	57	29.162	57	53	42			48	47	47	46	.11	E.	4	-	-		5		0		°	°	°	" haze	damp	22		
23	29.316	55	29.360	59	54	43			50	50	45	45	.17	N.	3	S.	1		10		0		°	°	°	" & damp	showery all day	23		
24	29.310	55	29.238	63	57	39			48	47	39	38	.07	-	-	-	-		5		0		°	°	°	showery	frosty	24		
25	29.208	52	29.264	51	50	38			40	39	40	37	-	-	-	E.	1		2		0		°	°	°	fine but frosty	" clear	25		
26	29.110	47	28.986	45	42	33			38	36	38	37	.09	E.	4	E.	6		4		10		°	°	°	brisk, hazy	stormy & wet	26		
27	29.236	45	29.562	45	45	37	x		40	37	39	35	-	E.	6	E.	5		10		0		°	°	°	stormy, dull	" frosty	27		
28	29.860	45	30.026	47	46	29			35	32	29	28	.01	-	-	-	-		0		0		°	°	°	clear freezing	freezing	28		
29	29.884	44	29.434	56	56	29			42	39	55	54	.146	S.	3	S.W.	2		10		10		°	°	°	dull & wet	very wet all day	29		
30	29.272	54	29.508	51	57	41			47	47	43	40	.44	N.	3	N.W.	8		10		10		°	°	°	"	stormy & wet & lightning	30		
31	29.532	48	29.700	51	50	41			41	39	44	44	.66	N.	5	N.W.	8		5		3		°	°	°	stormy & wet	Gale all day Rn & Hc Wind falling	31		
Sums.	28752	94	27346	151	117	46			215	158	184	136	434						213		163					259				
Means.	29.27	53.0	29.414	54.9	53.8	41.6			46.9	45.1	45.9	44.4							6.9		5.3					50.8				
Instrumental Errors.	.894		.882						.23																					
Corrected Means.									46.9	44.6	45.9	43.9																		

WEATHER NOTATION.		
a. denotes aurora.	b. blue sky, cloudless.	p. passing showers.
bc. blue sky with detached clouds.	c. sky mainly cloudy, but with openings between the clouds.	q. equally continuous rain.
d. completely overcast.	e. drizzling rain.	r. snow.
f. wet air, without rain falling.	g. fog.	s. solar halo.
fe. wet fog.	h. gloomy.	t. thunder-storm.
l. lightning.	lu. cop. lunar corona.	u. ugly, threatening appearance.
lu. ha. lunar halo.	m. denotes mist.	v. unusual visibility of distant objects.
	w. dew.	x. hour frost.
	y. dust haze.	z. dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).		
0 Calm.	5 Fresh Breeze.	10 Strong Gale.
1 Light Air.	6 Strong Breeze.	11 Whole Gale.
2 Slight Breeze.	7 High Wind.	12 Storm.
3 Gentle Breeze.	8 Gale.	

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. 29.861
 Corrected Mean at 9 P.M., minus Correction for Temp. 29.844
 Mean at Station, corrected, and at 32°, 29.820
 Correction for height, feet above Mean Sea Level, 85
 Mean, reduced to 32°, and Sea Level, 29.908
 Highest Reading, corrected for Index error, on 5 th, 5
 Lowest Do. Do., on th, th
 Difference, or Monthly Range, th

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 5 th, 58
 Lowest in Month, on 28 th, 29
 Difference, or Monthly Range, 29
 Mean of all the Highest, 53.8
 Mean of all the Lowest, 41.3
 Difference, or Mean Daily Range, 12.5
 Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.) 47.5
 Min. on Grass, Lowest in Month, th
 " " Mean, th
 Black Bulb, Max. in Sun, Highest in Month, th

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 46.4
 Wet Bulb, Mean of A.M. and P.M. Readings, 44.2
 Computed Temperature of Dew-Point, th
 Do. Elastic Force of Vapour, 264
 Do. Relative Humidity (Saturation = 100), 84%
 RAIN fell on 15 Days; Amount in Inches, 4.34

WIND.		SUMMARY.									
Direction.		N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0-12.
A.M.		2	1	15		2		3		8	2.6
P.M.		2	1	14		2	1		2	9	2.8
Sum.		4	2	29	0	4	1	3	2	17	2.7

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.
 † Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER

SUMMARY.

Number of Days of Precipitation, 15
 Snow, 0
 Hail, 2
 Thunder, 0
 Clear Sky, 4
 Overcast, 12
 Fog, 11
 Ground Frost, th
 Gale, 3

INSTRUMENTS IN USE.

Barometer, No. th
 Dry Bulb, No. th
 Wet Bulb, No. th
 Maximum, No. th
 Minimum, No. th
 Solar Radiation, No. th
 Grass Min., No. th
 Sun Recorder, No. th
 1-foot Therm., No. th
 4-foot Therm., No. th

Observations made and Return verified by th

(Signed)

*Rotbury
October 1911*

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH



BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of November 1911.
 Lat. 54°49'50"N Long. 5°43'W Height of Cistern of the Barometer above Mean Sea Level 46 feet, above Ground 3 1/2 feet. Diameter of Rain Gauge 5 ins.
 Height of Gauge above Mean Sea Level 86 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER.				* SELF-REGISTERING THERMOMETERS.				HYGROMETER.				+RAIN.	WIND.				CLOUDS.				SUNSHINE. Hours.	THERMOMETERS under Ground.			WEATHER.		GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. Mention the hour at which Storms, including Thunder and Lightning, began and ended.	Date.		
	9 A.M.		9 P.M.		Screen.		Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	9 A.M.		9 P.M.			Amount at 9 A.M.	9 A.M.		9 P.M.		Anemometer. 9 A.M.	9 A.M.			9 P.M.		3 ins.	12 ins.	48 ins.			At 9 A.M.	At 9 P.M.
	Barometer.	Attached Thermometer.	Barometer.	Attached Thermometer.	Max. 9 P.M.	Min. 9 P.M.			Dry bulb.	Wet bulb.	Dry bulb.	Wet bulb.			Direction.	Force. Scale of 0-12.	Direction.	Force. Scale of 0-12.		Species and Direction.	Amount (0-10).		Species and Direction.	Amount (0-10).							
1	29.916	50	29.656	54	52	41	7	7	43	43	49	48	37	W	2	SW	3	7	3	7	10	7	7	48			hazy & damp - very wet	1			
2	29.604	53	29.664	53	50	43			46	44	46	43	15	W	4	N	6		7		10			48			dull & breezy - Stormy, showery ha	2			
3	29.472	52	29.228	53	53	46	x		47	45	46	45	88	WN	3	N	5		10		10			48			" & wet - Squally, showy, lightning	3			
4	29.394	50	28.912	54	52	40			47	47	48	48	45	W	6	NW	6		8		10			48			Stormy & wet S.W. 2 a.m. - Stormy & wet all day	4			
5	28.632	51	29.194	52	53	42			47	42	45	41	100	W	9	N	10	11	10		10			48			Strong gale, great destruction to property - Stormy all day	5			
6	29.348	52	29.440	51	47	40			44	42	42	40	72	W	3	NW	4		6		5			48			dull & showery ha. S.W. 4 a.m. - showery rain	6			
7	29.558	49	29.138	50	50	41			43	42	44	44	64	W	3	N	3		10		10			48			" & wet - "	7			
8	29.212	48	29.246	49	46	37			38	38	38	36	08	W	3	S	2		10		0			48			" showers sl - Clear frosty	8			
9	29.380	46	29.536	48	44	32			38	36	38	35	-	E	4	E	1		8		0			47.8			" hazy - "	9			
10	29.714	45	29.742	44	44	30			33	32	35	35	-	-	-	S	1		3		0			47.8			freezing - " freezing	10			
11	29.726	44	29.586	45	44	34			37	35	40	39	01	E	2	E	4		2		0			47.8			" foggy - " cold	11			
12	29.290	44	29.178	49	46	39			43	40	45	43	-	E	5	E	4		8		10			47.8			fine but cold - dull raw	12			
13	29.544	48	29.916	50	50	42			45	43	44	42	30	W	3	NW	3		2		10			47			dull showery - fine Rn earlier	13			
14	29.772	49	29.744	50	55	44			51	51	53	52	69	SW	3	S	3		10		10			47			" - showery mild	14			
15	29.506	54	29.230	55	54	47			49	48	48	48	57	S	2	SW	2		10		10			46.5			" & damp - very wet all day	15			
16	29.086	54	29.116	55	50	44			49	49	45	43	24	W	3	N	4		10		0			46			" & wet - Rn most of day	16			
17	29.004	52	28.908	49	46	38			43	42	40	37	23	E	3	E	6		10		10			46			" - shower. Stormy from noon	17			
18	28.918	45	28.942	47	42	37	\		37	33	38	35	02	N	3	NNW	2		1		0			46.5			fine - fine	18			
19	28.936	46	29.260	51	47	38	x		40	38	45	41	01	N	3	E	1		4		10			46.5			dull - "	19			
20	29.564	47	29.668	47	47	35	\		40	36	38	32	-	N.E	3	N	1		0		0			46.5			bright & clear - freezing	20			
21	29.586	44	29.572	48	42	33			35	32	35	33	-	NNW	4	N	1		0		0			46.5			frosty - " clear	21			
22	29.638	46	29.842	52	44	35	x		40	36	38	35	-	NNE	4	N.E	1		6		0			46			" - "	22			
23	29.578	46	30.012	50	44	35			39	36	39	37	-	E	3	E	3		5		0			46			" & hazy - breezy cold	23			
24	30.096	48	30.108	47	43	35	x		40	38	38	36	-	E	3	E	3		8		0			46			dull & foggy - fine but "	24			
25	30.108	48	30.124	53	44	39	\		40	36	42	38	-	E	4	E	4		5		0			45.8			frosty & hazy - freezing	25			
26	30.180	48	30.180	53	43	38			40	38	40	38	-	E	3	E	3		8		5			45.5			fine but cold - very cold	26			
27	29.952	49	29.708	51	42	38	x		40	37	38	35	17	E	4	E	3		6		10			45			dull breezy - clear	27			
28	29.718	49	29.864	54	46	38			41	39	45	43	09	W	3	SE	3		8		10			44.8			" & damp - fine	28			
29	30.172	51	30.186	52	48	42			44	43	43	41	-	W	2	S.E	2		4		6			44.8			hazy & " - "	29			
30	29.966	51	29.766	53	51	43	\		48	46	48	48	21	SW	5	0	-		10		10			44.8			dull breezy - wet all day	30			
31																														31	
Sums.	1516.14	14	1513.12	11	10	16			67	67	71	11	68.3	102	94			192	166			209									
Means.	29.566	48.6	29.569	50.5	47.3	39.0			42.2	40.2	42.4	40.4		3.4	3.1			6.4	5.5			46.7									
Instrumental Errors.									-5		-5																				
Corrected Means.									42.2	39.7	42.4	39.9																			
									2.5		2.5																				
									2.18	2.97	2.19	2.99																			
									82		81																				

WEATHER NOTATION.											
a.	denotes aurora.	m.	denotes mist.								
b.	" blue sky, cloudless.	p.	" passing showers.								
bc.	" blue sky with detached clouds.	q.	" squally.								
c.	" sky mainly cloudy, but with openings between the clouds.	r.	" continuous rain.								
d.	" completely overcast.	s.	" snow.								
e.	" drizzling rain.	so. ha.	" solar halo.								
f.	" wet air, without rain falling.	t.	" thunder.								
fe.	" fog.	ts.	" ugly, threatening appearance.								
g.	" wet fog.	u.	" unusual visibility of distant objects.								
h.	" gloomy.	v.	" dew.								
i.	" hail.	w.	" hoar frost.								
l.	" lightning.	x.	" dust haze.								
lu. co.	" lunar corona.	z.	"								
lu. ha.	" lunar halo.										

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).											
FORCE.	0	1	2	3	4	5	6	7	8	9	10
	Calm.	Light Air.	Slight Breeze.	Gentle Breeze.	Moderate Breeze.	Fresh Breeze.	Strong Breeze.	High Wind.	Gale.	Strong Gale.	Whole Gale.

WEATHER NOTATION.

a. denotes aurora.	m. denotes mist.
b. " blue sky, cloudless.	p. " passing showers.
bc. " blue sky with detached clouds.	q. " squally.
c. " sky mainly cloudy, but with openings between the clouds.	r. " continuous rain.
d. " completely overcast.	s. " snow.
e. " drizzling rain.	so. ha. " solar halo.
f. " fog.	t. " thunder.
fe. " wet fog.	ts. " thunder-storm.
g. " gloomy.	u. " ugly, threatening appearance.
h. " hail.	v. " unusual visibility of distant objects.
i. " lightning.	w. " dew.
lu. co. " lunar corona.	x. " hoar frost.
lu. ha. " lunar halo.	z. " dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0-12).		
FORCE.	0	1
0	Calm.	1 Light Air.
1	2 Slight Breeze.	3 Gentle Breeze.
2	4 Moderate Breeze.	5 Fresh Breeze.
3	6 Strong Breeze.	7 High Wind.
4	8 Gale.	9 Whole Gale.
	10	11 Storm.
		12 Hurricane.

BAROMETER.

Corrected Mean at 9 A.M., minus Correction for Temp. 5.3 } 29.513
 Corrected Mean at 9 P.M., minus Correction for Temp. 5.8 } 29.511
 Mean at Station, corrected, and at 32°, 29.512
 Correction for height, feet above Mean Sea Level, 86 +
 Mean, reduced to 32°, and Sea Level, 598
 Highest Reading, corrected for Index error, on th, 29.512
 Lowest Do. Do., on th, 29.511
 Difference, or Monthly Range, 0.001

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 14th, 55
 Lowest in Month, on 16th, 30
 Difference, or Monthly Range, 25
 Mean of all the Highest, 47.3
 Mean of all the Lowest, 39.0
 Difference, or Mean Daily Range, 8.3
 Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), 43.2
 Min. on Grass, Lowest in Month, 25
 " " Mean, 39.7
 Black Bulb, Max. in Sun, Highest in Month, 81

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 62.3
 Wet Bulb, Mean of A.M. and P.M. Readings, 39.8
 Computed Temperature of Dew-Point, 21.8
 Do. Elastic Force of Vapour, 2.18
 Do. Relative Humidity (Saturation = 100), 82%
 RAIN fell on 19 Days; Amount in Inches, 6.83

WIND.		SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Variable.	Calm or 0-12.	Mean Force
A.M.	4	1	9		2	1	12		1	36	
P.M.	3	1	10	1	4	2	5	3	1	31	
Sun.	7	2	19	1	6	3	17	3	2	33	

* If Observations are taken at 9 A.M. only, the reading of the Maximum thermometer must be entered to the previous day.
 † Rain to be measured at 9 A.M. and the amount entered to the previous day.

WEATHER

SUMMARY.

Number of Days of Precipitation, ... 19
 Snow, ... 0
 Hail, ... 1
 Thunder, ... 2
 Clear Sky, ... 5
 Overcast, ... 11
 Fog, ... 2
 Ground Frost, ... 2
 Gale, ... 2

INSTRUMENTS IN USE.

Barometer, No. 18
 Dry Bulb, No. 18
 Wet Bulb, No. 18
 Maximum, No. 18
 Minimum, No. 18
 Solar Radiation, No. 18
 Grass Min., No. 18
 Sun Recorder, No. 18
 1-foot Therm., No. 18
 4-foot Therm., No. 18

Observations made and Return verified by

(Signed)

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

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Lat. 55

Lat. $55^{\circ}49'50''$ Long. $5^{\circ}46''$ W. Height of Cistern of the Barometer above Mean Sea Level $7\frac{1}{2}$ feet, above Ground $3\frac{1}{2}$ feet. Diameter of Rain Gauge 5 ins.

Lat. $55^{\circ}49'50''$ Long. $5^{\circ}46''$ W. Height of Cistern of the Barometer above Mean Sea Level $7\frac{1}{2}$ feet, above Ground $3\frac{1}{2}$ feet. Diameter of Rain Gauge 5 ins.

WEATHER NOTATION.

a.	<i>denotes</i> aurora.	m.	<i>denotes</i> mist.
b.	blue sky, cloudless.	p.	passing showers.
bc.	blue sky with detached clouds.	q.	equally.
c.	sky mainly cloudy, but with openings between the clouds.	r.	continuous rain.
d.	completely overcast.	s.	snow.
e.	drizzling rain.	so. ha.	solar halo.
f.	wet air, without rain falling.	t.	thunder.
fe.	fog.	t. s.	thunder-storm.
g.	wet fog.	u.	ugly, threatening appearance.
h.	gloomy.	v.	unusual visibility of distant objects.
i.	hail.	w.	dev.
l.	lightning.	x.	hoar frost.
lu. co.	lunar corona.	z.	dust haze.
lu. ha.	lunar halo.		

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND.—(0-12)

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 18 th , 2 nd	52 ✓
Lowest in Month, on 23 th ,	32 ✓
Difference, or Monthly Range,	20 ✓
Mean of all the Highest,	46.8 ✓
Mean of all the Lowest,	39.0 ✓
Difference, or Mean Daily Range,	7.8 ✓
Mean Temperature of Month, $\frac{1}{2}$ (Mean Max. + Mean Min.), ...	42.9 ✓
Min. on Grass, Lowest in Month,
Mean,
Black Bulb, Max. in Sun, Highest in Month,

ADDITIONAL REMARKS.

WIND.	SUMMARY.										
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.	
A.M.			3		9	4	13	1	1		
P.M.				2	6	5	11	3	4		
Sum.	0	0	3	2	15	9	24	4	5		2.8

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ...	
Snow,	31
Hail,	0
Thunder,	0
Clear Sky,	1
Overcast,	10
Fog,	3
Ground Frost,	—
Gale,	2

INSTRUMENTS²
IN USE.

Barometer, No. _____
 Dry Bulb, No. _____
 Wet Bulb, No. _____
 Maximum, No. _____
 Minimum, No. _____
 Solar Radiation, No. _____
 Grass Min., No. _____
 Sun Recorder, No. _____
 1-foot Therm., No. _____
 4-foot Therm., No. _____

Observations made and
Return verified by

(Signed)

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Rathcarr
1911