SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of January 1912.

Lat. 55°49'50" N Long. 5°4'15" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ feet. Diameter of Rain Gauge 5 ins.

Height of Gauge above Mean Sea Level 56 feet. Height of Rim of Gauge above Ground 12 ins.

Date.	BAROMETER. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 AM 9 PM	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1	30·242	51	30·236	56	52	45	†	†	50	49	50	50	·03	S.	2	NW.	2	†	†	10	†	10	†	†	†	44			dull & damp - fine very mild	1
2	30·216	54	30·066	57	51	47			48	48	47	46	·11	W	3	W.	4			10		10				44			" fine - "	2
3	30·066	52	30·032	52	49	37			43	41	37	36	·21	N.E.	3	S.	1			3		5				44			Clear " - "	3
4	29·730	51	29·510	51	49	36			40	40	42	41	·60	ESE	3	NW	1			10		10				44·5			wet & foggy - very wet	4
5	29·322	50	29·358	53	43	38			39	37	39	37	·07	W.	3	NW	3			7		8				44·5			dull showery - Showery Ha & Rn	5
6	29·070	49	28·966	48	41	35			37	36	35	35	·08	E.	3	E.	4			10		10				44·5			" & damp - very wet	6
7	29·638	43	29·916	46	37	28			33	32	28	27	—	N	2	S.	2			0		0				44			Clear freezing hill covered (Snow) Freezing	7
8	29·738	43	29·160	47	36	26			33	31	33	32	·709	E.	3	E.	6			10		10				44			dull " — Sn began 3·30 Strong wind (now, still falling)	3/8	Weather
9	29·134	43	29·494	49	40	33			36	35	39	38	·13	E.	4	E.	2			10		10				44			thaw, Rn earlier Sn 1 in. - thaw Sn 1 in some	R.9	
10	29·772	47	29·690	49	44	39			40	40	43	42	·32	E.	2	E.	4			10		10				44			foggy, thawy Sn. gone - dull & wet	10	
11	29·705	50	29·881	50	48	43			46	46	43	41	·05	SW.	3	W.	1			10		0				43·8			dull & damp - fine	11	
12	29·878	50	29·822	52	48	43			44	43	46	45	·74	S.	3	S.	4			10		10				43·5			" & wet - dull & wet	12	
13	29·806	52	29·772	54	49	45			47	47	47	47	·28	S	3	S.	3			7		10				43			" & damp - " "	13	
14	29·658	53	29·824	54	49	38			46	45	38	37	·26	S.	3	S.	2			10		0				43			" & wet - Raw	14	
15	29·680	50	29·486	52	47	37			37	35	44	43	·81	E.	4	S.E.	4			7		10				43			" & foggy - very wet	15	
16	29·466	50	29·718	52	46	42			45	44	42	41	1·01	S.	2	S.	2			10		10				43			" & wet - very wet since last night		
17	29·974	45	30·086	46	42	31			37	35	32	32	·21	E.	4	E.	2			10		10				43			" & foggy - freezing Sn ½ in	17	
18	30·068	44	29·926	49	37	32			35	35	35	33	·05	E.	4	E.	2			8		10				43			" & ~~dasty~~ hoary - " Sn ½ in	18	
19	29·942	45	30·004	51	38	34			36	35	37	35	—	ESE	2	E.	4			10		0				43			" & damp - very foggy, dry	19	
20	29·992	46	30·000	51	42	36			38	36	41	40	·04	E.	4	E.	4			10		10				43			" & foggy - some Rn. Slight fog in bay	20	
21	29·976	49	29·946	50	44	40			41	40	40	40	·06	—	—	N.E.	3			10		10				43			" & damp - foggy & wet	21	
22	29·894	47	29·874	52	41	33			35	33	34	31	—	E.	2	E.	1			7		0				43			" & hazy - freezing point	22	
23	29·870	48	29·804	50	39	30			32	31	36	34	—	E.	1	NE.	2			0		0				42·8			Clear frosty - " "	23	
24	29·648	47	29·624	48	39	34			35	33	36	34	—	E.	3	E.	5			6		9				42·8			foggy " - very cold	24	
25	29·696	46	29·908	46	43	32			39	34	34	31	—	NE.	2	S.	1			8		0				42·8			dull, fine. - Clear freezing	25	
26	30·026	43	30·122	43	39	28			35	30	28	27	—	ENE	2	NNW	1			7		0				42·5			" freezing - " "	26	
27	30·190	44	30·190	44	37	27			33	32	35	32	—	E.	2	—	—			9		0				42			" ~~foggy~~ - freezing, very foggy	27	
28	30·172	44	30·224	49	36	29			35	33	29	25	—	E.	1	S.	1			10		0				41·8	+10 -13		" " freezing - freezing clear	28	
29	30·268	42	30·284	46	34	28			31	31	28	27	·02 Sn	E.	2	S.	1			10		0				41·8			" " - " hard, slight freezing	29	
30	30·210	42	30·026	48	46	25			33	31	44	42	·05	—	—	W.	4			10		10				41·8			" " - dull & rech	30	
31	30·008	42	29·888	47	45	34			36	33	35	32	—	N	3	NNW	3			0		10				41·5			Clear " - dull freezing point	31	
Sums.	16 16 13 26·048	11 222	15 14 12 25·888	14 302	17 23 91	15 155			14 265	11 220	15 247	11 216	7 5·83		18 78		18 79			7 249		2 192				98 986	5·6			
Means.	29·840	47·2	29·835	49·7	42·9	35·0			38·5	37·1	38·0	37·0			2·5		2·5			8·0		6·2				43·2				
Instrumental Errors.										-·5		-·5																		
									1·9	36·6	1·5	36·5																		
Corrected Means.										36·6		36·5																		

·196/185 : 199/187

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.
o. " completely overcast.
d. " drizzling rain.
e. " wet air, without rain falling.
f. " fog.
fe. " wet fog.
g. " gloomy.
h. " 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.		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. — ·50 ..... ·790

Corrected Mean at 9 P.M., *minus* Correction for Temp. — 5·7 ..... ·778

Mean at Station, corrected, and at 32°, ... 29·784

Correction for height, feet above Mean Sea Level, ... + ·086

Mean, reduced to 32°, and Sea Level, ... ·870

Highest Reading, corrected for Index error, on th, ...

Lowest Do. Do., on th, ...

Difference, or **Monthly Range,** .....

SELF-REGISTERING THERMOMETERS.

Highest in Month, on / th, ... 52

Lowest in Month, on 30 th, ... 25

Difference, or **Monthly Range,** 27

Mean of all the Highest, ... 42·9

Mean of all the Lowest, ... 35·0

Difference, or **Mean Daily Range,** ..... 7·9

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... 39·0

Min. on Grass, Lowest in Month, ...

" " Mean, ...

Black Bulb, Max. in Sun, Highest in Month, ...

ADDITIONAL REMARKS.

(18)

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... 38·3

Wet Bulb, Mean of A.M. and P.M. Readings, ... 36·6

Computed **Temperature of Dew-Point,** .....

Do. **Elastic Force of Vapour,** ..... ·198

Do. **Relative Humidity** (Saturation = 100), ... 86

RAIN fell on 21 **Days; Amount in Inches,** 5·83

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	2	2	16	1	5	1	2		2	
P.M.	1	2	10	1	9		3	4	1	
Sum.	3	4	26	2	14	1	5	4	3	2·5

* 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, ... 21
Snow, ... 5
Hail, ... 1
Thunder, ... 0
Clear Sky, ... 2
Overcast, ... 16
Fog, ... 8
Ground Frost, ... —
Gale, ... 0/15

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 Bute, During the MONTH of February 1912.

Lat. 55° 49' 50" N Long. 5° 4' 5" W. Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 A.M. 9 P.M.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1	29·674	42	29·586	41	39	29			34	30	29	28	–	NNW	3	NNW	3	+	+	0	+	0	+	+	+	41·5			Clear frosty – freezing, Cold.	1
2	29·662	39	29·562	45	35	28			30	29	30	29	–	NE	4	NW	4			0		0				41			" " – " "	2
3	29·614	39	29·686	43	35	27			29	29	27	27	–	ENE	3	E	3			0		0				41			" " – " "	3
4	29·674	39	29·532	44	32	22			25	24	25	24	–	E	2	E	3			0		0				41			hazy bitter Cold – " " foggy	4
5	29·316	38	29·166	41	31	24			24	23	29	27	·01	E	4	E	4			4		10				40·5			foggy, frosty – dull " bitter Cold	5
6	29·036	41	28·956	47	38	30?			33	32	37	35	·28	E	4	E	4			10		10				40·5			Slight Snow " – ¼in Snow noon, Cold.	6
7	29·016	45	28·912	52	46	35			39	37	44	44	·50	SW	3	SE	5			8		10				40·5			dull, frosty. – very Wet from noon.	7
8	28·934	50	28·814	52	47	43			44	43	43	43	·23	E	1	–	–			10		10				40			" & wet – wet all day	8
9	28·926	53	28·968	53	50	44	?	×	46	45	46	45	·10	SSE	1	SSE	2			10		10				40			" hazy – dull & damp	9
10	29·122	52	29·354	50	48	33			44	44	35	35	·08	–	–	–	–			10		0				39·8			foggy & Wet – clear frosty	10
11	29·390	50	29·510	52	43	33			38	36	40	38	–	E	3	E	4			4		10				40			frosty & hazy – dry, very Cold.	11
12	29·620	49	29·710	49	44	39			42	39	39	37	–	E	4	E	4			7		0				40			dull, hazy. – " " "	12
13	29·778	48	29·864	54	44	38			42	39	41	40	–	E	3	E	2			8		10				40			" " – fine	13
14	29·970	50	30·014	50	42	39			41	39	39	38	–	E	2	E	2			10		0				39·8			" & foggy – "	14
15	29·860	49	29·842	49	45	38			43	38	38	38	·63	S	1	SE	1			10		0				39·5			" & Wet – very wet earlier	15
16	29·912	49	29·736	52	49	35			41	40	47	46	·03	S	2	SW	3			9		10				39·8			" & damp – fine, some in earlier	16
17	29·804	51	29·828	53	51	43			46	44	48	42	·01	WSW	3	–	–			6		5				39·8			" " – "	17
18	29·848	50	29·626	49	46	37			39	39	39	38	·69	–	–	E	6			10		10				40			" fine – very Wet from 5 P.M. Stormy	18
19	29·320	49	29·274	57	45	39			41	41	45	43	·02	E	4	N	2			10		10				40			" & wet – fine	19
20	29·434	47	29·638	55	48	40			41	39	40	38	–	N	3	N	1			4		0				40·5			fine – "	20
21	29·720	49	29·756	51	45	35		×	36	35	43	41	·12	–	–	S	1			10		10				40·5			dull freezing – "	21
22	29·656	52	29·512	58	51	44			46	45	49	49	·63	S	1	S	4			10		10				40·8			" & wet – very wet all day	22
23	29·318	56	29·710	56	51	41			48	47	42	40	·05	SW	3	W	3			10		0				41			" " – fine	23
24	29·782	50	29·722	53	50	38			40	38	42	40	·05	–	–	E	1			4		10				41			damp – "	24
25	29·708	50	29·668	52	48	38			39	38	46	43	–	E	1	NW	4			10		8				41			" hazy – "	25
26	29·542	51	29·482	54	50	44			45	43	47	44	·12	S	3	–	–			10		10				41·5			" fine – "	26
27	29·674	51	29·740	55	49	43			47	43	48	47	·81	W	4	W	5			8		10				41·5			" breezy – wet from noon	27
28	29·740	53	29·476	54	50	47			48	47	49	48	·09	S	4	S	8			10		10				42			" & damp – Stormy, dry.	28
29	29·342	53	29·500	58	51	46			47	44	47	43	·13	SW	3	W	5			8		10				42			" " – " "	29
30																														30
31										240																				31
Sums.	15392	235	15144	29	142	202			288	240	14260		458		69		84			210		185				168				
Means.	29·531	48·1	29·522	51·0	44·9	37·0			39·9	38·3	40·5	39·0			2·4		2·9			7·2		6·3				40·6				
Instrumental Errors.	–		–							–·5		–·5																		
Corrected Means.										37·8		38·5																		
									2·1		2·0																			
									·205		·212																			
									/83		/84																			

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.
		s.	" snow.
o.	" completely overcast.	so. ha.	" solar halo.
d.	" drizzling rain.	t.	" thunder.
e.	" wet air, without rain falling.	t. s.	" thunder-storm.
f.	" 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. — 52 479

Corrected Mean at 9 P.M., *minus* Correction for Temp. — 59 463

Mean at Station, corrected, and at 32°, ... 29·471

Correction for height, feet above Mean Sea Level, ... + 86

Mean, reduced to 32°, and Sea Level, ... ·557

Highest Reading, corrected for Index error, on th, ...

Lowest Do. Do., on th, ...

Difference, or **Monthly Range,** .....

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 17 th, 22, 23, 29 51

Lowest in Month, on 4 th, ... 22

Difference, or **Monthly Range,** 29

Mean of all the Highest, ... 44·9

Mean of all the Lowest, ... 37·0

Difference, or **Mean Daily Range,** ..... 7·9

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... 41·0

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, ... 40·2

Wet Bulb, Mean of A.M. and P.M. Readings, ... 38·1

Computed **Temperature of Dew-Point,** .....

Do. **Elastic Force of Vapour,** ..... ·207

Do. **Relative Humidity** (Saturation = 100), ... 84%

RAIN fell on 19 **Days; Amount in Inches,** 4·58

WIND. SUMMARY. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	2	1	11		6	3	2		4	2·4
P.M.	3		10	2	4	1	3	2	4	2·9
Sum.	5	1	21	2	10	4	5	2	8	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, ...	19
Snow, ...	1
Hail, ...	0
Thunder, ...	0
Clear Sky, ...	4
Overcast, ...	15
Fog, ...	4
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

EDINBURGH
4.15PM
MR 5
12

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of Mar 1912.

Lat. 55° 49' 50" N Long. 3° 45' W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 a.m.	9 P.M.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°					
1	29·368	53	29·132	58	48	44			46	45	46	45	·25	S.W.	3	S.	2			10		10				42			dull Showery	dull & wet	1
2	29·262	52	28·976	53	51	42			46	44	45	44	·29	S.W.	4	S.	4			8		10				42·5			" breezy	Showery	2
3	29·034	53	29·272	55	50	42			45	44	44	43	·20	W.	4	W.	3			7		10				42·8			" Showery	"	3
4	29·218	49	28·842	53	45	38			42	40	38	37	·16	S.W.	3	E.	4			3		10				43			fine	wet & very cold	4
5	29·038	47	29·150	51	49	38			41	39	42	41	·13	N.W.	4	N.W.	2			4		10				43			breezy	wet	5
6	29·314	47	29·558	48	48	40			42	41	41	39	·23	N.W.	3	N.W.	2			10		0				43			dull Showery	Showery ha.	6
7	29·668	47	29·706	49	47	37			39	38	38	37	·07	W.	3	W.	2			8		10				43			" "	dull & damp	7
8	29·450	49	29·300	50	43	37			41	40	40	39	·15	S.E.	3	W.	1			10		0				43			" & wet	damp	8
9	29·436	48	29·504	52	48	39			43	41	41	39	·04	SSE.	2	S.	1			10		0				43			" & damp	fine	9
10	29·698	51	29·800	54	48	40			43	41	42	41	–	SSE	1	E.	1			8		0				43			" & hazy	"	10
11	29·966	52	30·056	50	48	38			43	40	38	37	·01	E.	1	–	–			4		0				43			dry "	" hazy	11
12	30·034	50	29·832	54	46	37			43	42	45	45	·37	S.W.	4	S.	4			10		10				43			dull & wet	very wet	12
13	29·832	53	29·815	53	50	45			47	47	48	47	·14	W.	3	–	–			10		10				43			" & damp	dull, fine	13
14	29·715	53	29·672	50	51	44			47	45	44	43	·23	W.	4	W.	1			8		10				43			" "	Showery mild	14
15	29·586	50	29·792	51	46	35			42	40	34	38	·07	W.	3	S.	2			7		0				43			" Showery	fine	15
16	29·622	49	29·362	52	47	34			42	40	44	43	·38	WSW.	3	S.	3			6		10				43			" fine	very wet from 6 P.	16
17	29·144	51	29·022	55	53	43			45	44	44	43	·08	S.	3	S.	1			10		10				43·8			" & wet	fine, dull	17
18	28·908	50	28·890	50	45	38			41	40	39	38	·38	S.W.	1	E.	3			10		3				43·8			" "	damp, light fogg (Pm. on Cowal hills)	18
19	28·896	49	28·960	51	47	38			42	40	40	38	·35	S.E.	1	S.E.	1			6		10				43·8			dull & damp	fine	19
20	29·050	47	29·196	52	46	35			36	35	38	35	·07	W.	3	–	–			10		0				44			Slight Showers	"	20
21	28·954	47	28·980	54	44	36			38	35	40	39	·05	E.	5	E.	5			6		10				44			~~fogg~~ & breezy	very wet	21
22	29·264	49	29·606	53	51	34			43	40	38	37	–	E.	3	S.	2			4		0				44			fine	frosty	22
23	29·562	47	29·356	54	50	30			41	39	43	40	–	–	–	E.NE	3			2		10				44			fine, freezing earlier	fine slight fog	23
24	29·520	50	29·540	57	49	41			43	41	47	46	·20	E.	3	W.	1			10		10				43·8			dull hazy	" but damp	24
25	29·746	53	29·856	57	55	45			50	47	48	48	·47	W.	2	–	–			6		10				43·8			" & damp	wet	25
26	29·854	54	29·792	55	51	43			48	48	44	43	·33	–	–	S	3			10		10				43·8			" & wet	very wet all day	26
27	29·814	51	29·784	53	53	43			47	44	46	45	·36	W.	4	S.	2			4		10				43·8			fine	" "	27
28	29·844	50	29·914	50	49	38			45	41	37	36	·19	W.	5	N.W.	6			8		10				44			Showery & breezy	very wet & stormy ha Showers	28
29	29·906	47	29·706	49	44	38			40	39	39	38	·36	W	4	WNW.	6			10		8				44			" cold	Equally heavy showers	29
30	29·718	46	29·662	50	47	38			43	40	44	41	·49	WNW.	6	N.W.	5			10		10				44				I & L 6 pm, L all night	
																													" & stormy	breezy cold	30
31	29·588	47	29·606	47	46	37			41	41	37	33	·06	WNW	1	E.	4			10		0				44			dull & wet	dry frosty	31
Sums.	17414	14	18149	10	15	15			11	10	15	16	6·11													1086					
	15·009	30·1	14·639	6·8	255	247			95	41	59	18			89		74			239		211				16·9					
Means.	29·484	49·7	29·472	52·2	48·2	38·9			43·0	41·3	41·9	40·6			2·87		2·39			7·7		6·8				43·4					
Instrumental Errors.										–·5		–·5																			
										40·8		40·1																			
Corrected Means.									2·3 ·229		1·8 ·228																				
									82	40·8	87	40·1																			

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.
o. " completely overcast.
d. " drizzling rain.
e. " wet air, without rain falling.
f. " fog.
fe. " wet fog.
g. " gloomy.
h. " 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.		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. 29·484 – ·057 = 29·327

Corrected Mean at 9 P.M., *minus* Correction for Temp. 29·472 – ·064 = 29·408

Mean at Station, corrected, and at 32°, 29·423

Correction for height, feet above Mean Sea Level, + ·085

Mean, reduced to 32°, and Sea Level, 29·508

Highest Reading, corrected for Index error, on 11 th, 30·056

Lowest Do. Do., on 4 th, 28·842

Difference, or **Monthly Range,** 1·214

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 25th, 55·0

Lowest in Month, on 23rd, 30·0

Difference, or **Monthly Range,** 25·0

Mean of all the Highest, 48·2

Mean of all the Lowest, 38·9

Difference, or **Mean Daily Range,** 9·3

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), 43·5

Min. on Grass, Lowest in Month,

" " Mean,

Black Bulb, Max. in Sun, Highest in Month,

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 42·5

Wet Bulb, Mean of A.M. and P.M. Readings, 40·4

Computed **Temperature of Dew-Point,**

Do. **Elastic Force of Vapour,** ·228

Do. **Relative Humidity** (Saturation = 100), 84%

RAIN fell on 28 Days; Amount in Inches, 6·11

WIND. SUMMARY. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	0	0	4	2	3	5	13	2	2	
P.M.	0	0	6	1	10	0	6	4	4	
Sum.	0	0	10	3	13	5	19	6	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,	28
Snow,	0
Hail,	3
Thunder,	1
Clear Sky,	0
Overcast,	13
Fog,	2
Ground Frost,	–
Gale,	2
	18

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.

ADDITIONAL REMARKS.

Observations made and Return verified by Mo. +·029

29·452
85
29·537

(Signed)

(26)

Returned March 1912

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of April 1912.

Lat. 55°49'50"N Long. 5°4'5"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 am 9 PM	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1	29·966	47	30·156	49	47	36	–	–	42	36	39	35	·08	N.	4	NNW.	1	–	–	0	–	0	–	–	–	44			clear & frosty – fine	1
2	30·084	47	30·284	49	54	35			46	44	40	38	–	WNW.	4	N.W.	1			8		0				44			dull showery – "	2
3	30·294	49	30·208	52	54	39			49	45	48	44	·05	W.	1	–	–			0		10				44			dry hazy – "	3
4	30·066	52	29·806	54	52	48			48	47	49	49	1·12	W.	6	W	5			10		10				44			Stormy & wet – Squally, wet all day	4
5	29·804	55	29·900	54	52	49			50	49	49	48	·07	W.	8	W.	8			10		10				44			" Showers – Stormy & wet, foggy	5
6	29·900	53	30·138	54	52	45			50	49	45	42	·05	W.	6	W	4			10		0				44			" " – " dry	6
7	30·092	54	29·826	57	51	44			45	44	47	46	·22	W.	1	W.	3			10		10				44			wet & misty – wet all day	7
8	29·204	53	29·534	49	49	38			45	41	38	33	·12	W.	6	N.	6			5		0				44·8			Stormy with showers – See below	8
9	29·738	45	29·722	47	46	36			38	36	39	37	·17	N.	6	N.W.	4			0		0				45			" Showers rn & sl. – Stormy & wet all day	9
10	29·666	47	29·784	48	49	35			43	39	38	35	–	N.	2	W.	1			4		0				45			fine – fine	10
11	29·946	48	30·160	49	47	37			42	35	37	32	–	NNW	4	N.W.	2			2		0				45			" – " but cold	11
12	30·330	46	30·316	50	47	29			39	35	42	41	·01	–	–	–	–			8		10				45			" frosty – " dull	12
13	30·384	50	30·400	52	51	38			48	47	38	37	–	–	–	–	–			6		0				45			" dull – "	13
14	30·386	52	30·354	54	53	38			48	47	49	49	·05	–	–	–	–			8		10				45			" – dull & wet	14
15	30·336	50	30·266	58	61	47			50	50	47	46	–	–	–	S.W.	1			10		0				45			dull & damp – fine	15
16	30·164	56	30·102	59	61	43			55	51	49	46	–	S.S.W.	3	S.W.	1			3		0				45			dry breezy – "	16
17	30·080	56	29·968	57	59	41			50	46	41	40	–	–	–	–	–			10		0				45			dull foggy – fine, Eclipse of Sun	17
18	29·894	54	29·868	56	59	41			46	44	44	42	–	E	3	–	–			0		0				45·3			fine " – " Clear Sky	18
19	29·923	53	29·950	57	61	40			48	45	48	45	–	E.	3	S.E.	2			3		0				45·8			" " – "	19
20	30·040	54	30·154	58	54	45			50	46	52	50	·15	S.	3	S.	3			10		10				46			dull & damp – "	20
21	30·222	57	30·332	57	54	49			50	50	49	48	·22	S.	2	–	–			10		10				46			" " – wet all day	21
22	30·334	57	30·404	60	66	48			55	52	54	50	–	E.	3	S.	1			3		1				46			foggy damp – fine	22
23	30·544	58	30·508	62	68	47			55	50	57	49	–	E	3	E.	3			0		0				46·5			dry hazy – " hazy	23
24	30·504	59	30·394	63	69	46			58	50	52	49	–	E.	1	–	–			0		6				46·5			fine – fine	24
25	30·324	58	30·202	59	63	42			49	46	49	45	–	E.	4	–	–			0		0				46·8			foggy " – " hazy	25
26	30·014	53	29·930	55	57	41			43	42	47	44	–	ENE	4	E	4			8		0				47			" & dull – " "	26
27	29·940	53	29·992	57	58	42			46	44	46	42	–	E.	3	E.	3			10		7				47			" " – "	27
28	30·042	54	30·032	57	58	39			50	44	44	41	–	E.	1	W.	1			3		0				47			fine – "	28
29	30·190	52	30·296	57	54	42			47	42	45	42	–	E.	4	–	–			6		10				47·8			" dull – "	29
30	30·316	54	30·180	56	57	43			47	42	46	42	·05	E.S.E.	3	–	–			8		10				47·8			hazy " – "	30
31																														31
Sums.	12 14 10	14	14 12 11	17	15	16			14	12	18	12	5 2·36													165				
	2·727	7·7	3·166	145	16·3	4·3			23·2	13·8	16·8	8·7			88		56			165		114				163·5				
Means.	30·090	52·6	30·105	54·8	55·4	41·4			47·7	44·6	45·6	42·9			2·9		1·9			5·5		3·8				45·5				
Instrumental Errors.										3·1		2·7																		
									·259		·246																			
Corrected Means.										79		81																		

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.
o. " completely overcast.
d. " drizzling rain.
e. " wet air, without rain falling.
f. " fog.
fe. " wet fog.
g. " gloomy.
h. " 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.		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. 30·090 − ·066 = 30·024

Corrected Mean at 9 P.M., *minus* Correction for Temp. 30·105 − ·071 = 30·034

Mean at Station, corrected, and at 32°, 30·029

Correction for height, feet above Mean Sea Level, + ·084

Mean, reduced to 32°, and Sea Level, 30·113

Highest Reading, corrected for Index error, on 23rd, 30·544

Lowest Do. Do., on 8th, 29·204

Difference, or **Monthly Range,** 1·340

f. = +·029

30·058

30·042

Observations made and Return verified by

(Signed)

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 24th, 69·0

Lowest in Month, on 12th, 29·0

Difference, or **Monthly Range,** 40·0

Mean of all the Highest, 55·4

Mean of all the Lowest, 41·4

Difference, or **Mean Daily Range,** 14·0

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), 48·4

Min. on Grass, Lowest in Month,

" " Mean,

Black Bulb, Max. in Sun, Highest in Month,

ADDITIONAL REMARKS.

April 8th

Blowing a Gale from 10 a.m. till 4 P.M. with heavy showers of rain, great many trees blown down and other damage done.

JP

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, 46·7

Wet Bulb, Mean of A.M. and P.M. Readings, 43·8

Computed **Temperature of Dew-Point,**

Do. **Elastic Force of Vapour,** ·253

Do. **Relative Humidity** (Saturation = 100), 81%

RAIN fell on 13 **Days; Amount in Inches,** 2·36

WIND. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	4	0	11	0	3	0	7	0	5	
P.M.	2	0	3	1	2	2	6	3	11	
Sum.	6	0	14	1	5	2	13	3	16	

* 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, 9
Clear Sky, 9
Overcast, 4
Fog, 2
Ground Frost, 15
Gale,

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.

Rothsay
April 1912

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

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BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Glenburn Hydro, County of Bute, During the MONTH of May 191__.

Lat. 55°49'50"N Long. 5°4'5"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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 9 A.M. Barometer (inches)	9 A.M. Attached Thermometer (°)	Barometer 9 P.M. Barometer (inches)	9 P.M. Attached Thermometer (°)	*Self-Registering Thermometers, Screen, Max. 9 P.M. (°)	Screen, Min. 9 P.M. (°)	Black Bulb Max. in Sun. 9 P.M. (°)	Min. on Grass. 9 A.M. (°)	Hygrometer 9 A.M. Dry bulb (°)	9 A.M. Wet bulb (°)	9 P.M. Dry bulb (°)	9 P.M. Wet bulb (°)	†Rain. Amount at 9 A.M. (inches)	Wind 9 A.M. Direction	9 A.M. Force Scale of 0—12	9 P.M. Direction	9 P.M. Force Scale of 0—12	Anemometer. 9 A.M.	Clouds 9 A.M. Species and Direction	9 A.M. Amount (0—10)	9 P.M. Species and Direction	9 P.M. Amount (0—10)	Sunshine. Hours.	Thermometers under Ground 9 A.M. 3 ins. (°)	12 ins. (°)	48 ins. (°)	Weather At 9 A.M.	At 9 P.M.	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. 9 A.M. — 9 P.M.	Date.
1	30·016	56	29·900	57	55	45			51	50	50	50	·32	S	2	–	–			10		10				47·8			dull & damp – very wet from 6 P.	1
2	29·832	57	29·860	55	57	47			52	49	48	46	–	W	4	W	3			4		4				47·8			fine – fine	2
3	29·948	56	30·003	58	59	46			52	48	45	42	–	–	–	E	4			8		10				47·8			dull " – hazy, cold.	3
4	30·040	54	30·018	57	55	43			47	43	45	42	–	E	4	E	4			10		10				47·8			" hazy – fine. "	4
5	30·018	56	29·868	56	51	43			47	44	49	48	·24	E	4	E	1			10		10				48			" " – drizzly all day, foggy	5
6	29·856	57	29·836	59	58	49			55	53	50	50	·38	WSW	1	SE	1			7		10				48			" & damp – very wet from 6 P.	6
7	29·912	58	30·016	60	61	49			55	54	51	52	·01	–	–	–	–			6		10				48			fine – fine	7
8	30·162	59	30·126	62	64	50			55	54	54	54	·77	W	1	W	3			10		10				48			dull, hazy. – very wet from 3 P.M. (Th & L 3 & 5 P.M.)	8
9	30·184	59	30·188	59	61	48			53	51	49	46	–	W	4	W	1			8		0				48			" " – fine	9
10	30·130	58	29·900	59	63	46			52	50	52	50	·01	–	–	SW	1			10		10				48			" fine – "	10
11	29·540	59	29·682	57	58	44			55	53	44	43	·01	SSW	2	NW	1			10		4				48·8			" " – "	11
12	29·812	54	29·996	57	59	44			52	47	45	41	–	N	3	N	4			5		3				48·8			" – " but cold	12
13	30·088	53	30·038	56	58	37			51	45	44	41	–	–	–	W	1			2		4				49			hazy " – "	13
14	29·882	56	29·698	58	62	44			52	46	51	45	·05	W	1	SW	1			10		9				49			dull fine – "	14
15	29·524	57	29·462	56	53	45			51	50	45	43	·35	SSW	2	NW	1			10		4				49			" & wet – " very wet earlier	15
16	29·548	53	29·808	58	55	42			50	44	46	43	·02	NNW	5	NNW	5			5		0				49			" breezy – " but cold	16
17	29·892	55	29·790	59	61	44			54	50	49	51	·13	W	1	SW	2			7		10				49·5			" showery – damp	17
18	29·858	56	30·042	57	61	44			52	48	44	43	·01	W	4	NW	1			6		0				49·5			breezy " – fine	18
19	29·986	55	29·934	57	56	37			50	48	49	48	–	–	–	–	–			10		10				49·8			fine – "	19
20	29·830	57	29·766	57	54	37			51	49	47	45	·23	E	3	E	5			10		10				49·8			dull foggy – drizzly & cold	20
21	29·784	54	29·812	56	53	45			47	45	47	46	·01	E	4	E	4			10		10				50			" showery – fine	21
22	29·778	53	29·780	56	55	42			49	43	45	41	–	E	4	E	4			4		0				50			" breezy – "	22
23	29·850	54	30·050	57	59	43			52	45	49	46	–	E	3	NE	2			3		10				50			fine – "	23
24	30·182	57	30·280	59	62	39			56	48	49	47	–	E	3	–	–			0		9				50			" – "	24
25	30·344	58	30·330	58	64	43			55	50	50	47	–	–	–	NW	2			2		0				50			hazy " – "	25
26	30·238	59	30·122	60	65	44			56	51	53	49	–	NNW	1	N	3			2		8				5·6			" – "	26
27	30·078	60	30·000	58	57	46			54	51	51	49	–	–	–	NNW	4			9		9				50			" " but cold	27
28	29·970	58	29·920	60	66	48			59	54	52	50	·02	NNW	2	NW	1			4		10				53·8			" "	28
29	29·844	59	29·812	61	64	49			55	51	48	47	–	W	3	–	–			7		7				50·8			Slight showers – "	29
30	29·824	59	29·880	59	60	45			58	52	49	47	·72	NNE	2	E	6			3		5				50·8			fine, hazy. (Th & L 3 P. ~~Storm~~ & cold)	30
31	29·882	56	29·812	60	57	47			50	47	49	47	·15	E	5	E	4			10		10			5·8	51			dull breezy – fine but cold	31
Sums.	28·832	200	28·729	248	273	135			78	273	259	199	2·83							212		216				284·8				
Means.	29·930	56·5	29·927	58·0	58·8	44·4			52·5	48·8	48·4	46·4								6·8		7·0				49·2				
Instrumental Errors.									52·5	−·5 48·3	48·4	−·5 45·9																		
Corrected Means.									4·2 ·289/73		2·5 ·280/83																			

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.
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. — 76	853
Corrected Mean at 9 P.M., minus Correction for Temp. — 80	847
Mean at Station, corrected, and at 32°,	29·850
Correction for height, feet above Mean Sea Level,	+ 84
Mean, reduced to 32°, and Sea Level,	·934
Highest Reading, corrected for Index error, on th,	
Lowest Do. Do., on th,	
Difference, or **Monthly Range,**	

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 28th,	66
Lowest in Month, on 13th, 19, 20	37
Difference, or **Monthly Range,**	29
Mean of all the Highest,	58·8
Mean of all the Lowest,	44·4
Difference, or **Mean Daily Range,**	14·4
Mean Temperature of Month, ½ (Mean Max. + Mean Min.),	51·6
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,	50·5
Wet Bulb, Mean of A.M. and P.M. Readings,	47·1
Computed **Temperature of Dew-Point,**	
Do. **Elastic Force of Vapour,**	·283
Do. **Relative Humidity** (Saturation = 100),	78%
RAIN fell on 17 **Days; Amount in Inches,**	2·83

WIND. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	4		8		2	1	8	1	7	
P.M.	3	1	8	1		3	4	6	5	
Sum.	7	1	16	1	2	4	12	7	12	

* 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.*

R/10

WEATHER SUMMARY.

Number of Days of Precipitation,	17
Snow,	0
Hail,	0
Thunder,	2
Clear Sky,	1
Overcast,	14
Fog,	0
Ground Frost,	–
Gale,	0
	19

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 Bute, During the MONTH of June 1912.

Lat. 55°49'50" N Long. 5°4'5" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 a.m.	9 P.M.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°					
1	29·706	58	29·672	62	63	47	+	+	48	48	51	53	·63	E.	4	E.	4	+	+	10	+	10	+	+	+	51			dull & damp	hazy fine	1
2	29·594	59	29·556	61	54	48			49	48	48	48	·78	E	4	E.	4			10		10				51			" & wet	very wet all day	2
3	29·460	58	29·422	60	54	45			49	49	51	50	·16	E	5	E.	5			10		10				51			" & damp	cold, but fine	3
4	29·422	59	29·482	60	56	50			50	49	51	49	·05	E	3	E.	4			10		10				51			" & wet	" "	4
5	29·596	59	29·670	60	62	49			53	50	54	51	·02	E	4	N.W.	1			9		10				51			" hazy	fine	5
6	29·718	60	29·762	60	62	48			55	53	48	47	–	–	–	N.E.	1			8		1				51			" fine	"	6
7	29·834	60	29·892	63	69	44			60	54	55	53	–	E.N.E.	1	N.E.	2			2		10				51			"	dull "	7
8	29·924	62	29·906	62	59	51			56	52	52	50	–	E.	2	–	–			8		10				51			dull hazy	fine hazy	8
9	29·926	62	29·896	63	65	49			59	55	55	52	·10	E.	1	E.	3			5		2				51			dry "	" "	9
10	29·840	61	29·760	60	56	50			51	51	51	50	·12	E.	3	E.	5			10		10				51			dull & damp	" but "	10
11	29·782	60	29·862	61	62	49			53	52	51	50	·02	E.	3	E.	4			10		10				51·5			" "	Th & Li 12 to 2 P.M. (local)	11
12	29·910	60	29·780	62	65	49			55	53	52	52	·13	E.	3	–	–			10		10				51·8			" hazy	some Rn	12
13	29·710	60	29·808	62	63	49			56	54	50	49	·08	W.	4	N.W.	1			8		0				51·8			" & damp	fine but cold	13
14	29·808	62	29·690	61	62	49			57	54	52	52	·70	–	0	–	+			7		10				51·8			" fine	very wet from 6 P.	14
15	29·690	61	29·610	62	61	49			57	54	49	48	·25	W	2	W.	1			6		10				52			fine some Rn	Showery	15
16	29·740	60	29·912	62	60	46			51	48	47	44	–	ENE	3	N.	4			8		0				52			dull & damp	dry very cold	16
17	29·958	59	29·808	60	59	39			55	50	50	49	·22	S.	2	E.	2			4		10				52			fine	fine	17
18	29·720	62	29·828	62	66	49			52	52	54	53	·39	–	–	S.	2			10		10				52			dull & wet	"	18
19	29·744	63	29·670	62	58	51			57	56	52	52	·41	S.	1	W.	1			10		10				52			" "	damp very wet (cold)	19
20	29·736	62	29·892	65	61	51			55	54	52	51	·28	W.	4	W.	1			10		4				52			" Showery	fine	20
21	29·838	62	29·774	67	57	50			55	55	54	54	1·06	SSW.	2	S.W.	3			10		10				52			" & damp	very wet from Mn	21
22	29·738	64	29·722	64	59	54			55	55	56	56	·48	SSW.	4	S.W.	3			10		10				52·5			" "	" "	22
23	29·700	66	29·670	64	65	54			58	57	56	55	·08	WSW.	3	SSW.	2			4		10				52·5			fine	fine	23
24	29·688	64	29·756	63	65	53			56	55	55	54	·33	S.W.	2	–	–			9		10				52·8			dull & damp	"	24
25	29·506	62	29·522	65	64	52			52	51	52	51	·07	S.	2	–	–			10		0				52·8			" & wet	"	25
26	29·762	63	29·950	65	68	48			59	55	55	54	·02	–	–	N.W.	1			10		10				52·8			" fine	"	26
27	29·938	64	29·780	65	58	52			56	54	55	55	·43	SSW.	2	S.	1			10		10				53			" & damp	very wet from 4 P.	27
28	29·714	64	29·700	64	62	51			56	55	51	50	·08	SSW.	3	–	–			9		1				53			" "	fine	28
29	29·708	62	29·734	63	65	47			58	55	51	51	·09	S.	2	W	1			8		0				53			fine	some Showers	29
30	29·756	63	29·762	63	62	50			57	55	54	53	·06	W	3	N.W.	2			10		9				53			dull & damp	fine	30
31																															31
Sums.	22,266 (22,212)	51 (10)	22,348 (22,157)	73 (7)	42 (14)	273 (15)			140 (16)	83 (13)	64 (10)	367 (10)	7·04 (16)							255 (9)		227 (1)				563 (56)					
Means.	29·742	61·7	29·745	62·4	61·4	49·1			54·7	52·8	52·1	51·2								8·5		7·6				51·9					
Instrumental Errors.									54·7 −·5 2·4	52·3	52·1	50·7 −·5 1·4																			
Corrected Means.									·360 84%		·361 95																				

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.
o. " completely overcast.
d. " drizzling rain.
e. " wet air, without rain falling.
f. " fog.
fe. " wet fog.
g. " gloomy.
h. " 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.		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. — 88 — 654

Corrected Mean at 9 P.M., *minus* Correction for Temp. — 90 — 655

Mean at Station, corrected, and at 32°, 29·655

Correction for height, feet above Mean Sea Level, + 83

Mean, reduced to 32°, and Sea Level, 29·738

Highest Reading, corrected for Index error, on th,

Lowest Do. Do., on th,

Difference, or **Monthly Range,**

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 7 th, 69

Lowest in Month, on 17 th, 39

Difference, or **Monthly Range,** 30

Mean of all the Highest, 61·4

Mean of all the Lowest, 49·1

Difference, or **Mean Daily Range,** 12·3

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), 55·3

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, 53·4

Wet Bulb, Mean of A.M. and P.M. Readings, 51·5

Computed **Temperature of Dew-Point,**

Do. **Elastic Force of Vapour,** ·356

Do. **Relative Humidity** (Saturation = 100), 88%

RAIN fell on 26 **Days; Amount in Inches,** 7·04

WIND. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.		1	11		6	3	5		4	
P.M.	1	2	8		3	2	4	4	6	
Sum.	1	3	19	0	9	5	9	4	10	

* 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.*

R = 23

WEATHER SUMMARY.

Number of Days of Precipitation, 26
Snow, 0
Hail, 0
Thunder, 1
Clear Sky, 0
Overcast, 18
Fog, 0
Ground Frost, —
Gale, 0
14

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*)

Rothesay
June 1912.

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of July 1912.

Lat. 55°49'30"N Long. 5°4'5"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 A.M.	9 P.M.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°					
1	29·844	60	29·950	60	59	54	–	–	56	54	56	53	·04	NNW	4	N.	2	–	–	10	–	10	–	–	–	53			breezy & showery	– very wet P.M.	1
2	29·994	61	30·026	64	67	53			61	55	56	53	–	N.	4	N.	3			3		0				53			fine	– fine	2
3	30·104	63	30·224	63	66	50			55	52	53	52	–	–	–	W.	1			10		0				53·5			dull hazy	– hazy "	3
4	30·280	63	30·292	66	73	47			64	60	55	54	–	–	–	–	–			0		0				53·8			fine "	– " "	4
5	30·300	66	30·212	67	72	52			60	57	52	50	–	E.	3	–	–			4		0				54			" "	– " "	5
6	30·136	64	29·968	65	70	51			55	53	58	56	–	E.	3	W.	1			8		10				54			" "	– " "	6
7	29·926	65	29·814	67	71	50			62	59	60	58	·16	W	1	–	–			0		10				54			" "	– " "	7
8	29·888	64	29·968	63	63	52			57	54	53	51	·03	W	4	W	1			6		10				55			showery & breezy	– some showers	8
9	30·008	63	29·892	63	66	48			60	54	54	51	·03	WSW	3	S.	1			6		10				55			dull fine	– fine	9
10	29·696	63	29·747	61	60	52			57	55	52	52	·34	SSW	4	–	–			9		10				55·5			" "	– very wet from 10 A.M.	10
11	29·862	60	29·876	63	65	46			57	54	54	53	·56	W.	3	S.	1			2		10				55·8			" "	– " "	11
12	29·778	63	29·872	63	61	53			60	60	55	55	·33	S.	2	N.	1			10		10				55·8			dull & wet	– " " all day	12
13	30·090	63	30·128	67	68	53			60	56	59	57	·01	NNW	3	NE	1			4		10				55·8			fine	– fine	13
14	30·408	68	30·178	66	73	57			65	61	58	54	–	E.	2	N.	3			3		0				55·5			hazy "	– "	14
15	30·264	68	30·272	71	76	49			67	61	60	58	–	–	–	N	2			0		0				55·5			"	– " hazy	15
16	30·272	70	30·250	71	77	55			63	60	61	60	–	E.	1	E.	1			0		10				55·5			hazy "	– dull "	16
17	30·250	67	30·174	66	67	50			59	56	51	49	–	E.	3	SE	2			10		0				55·8			" dull	– "	17
18	30·016	64	30·072	66	67	51			61	55	54	49	–	N.	3	–	–			5		0				55·8			fine	– "	18
19	30·042	63	30·064	67	73	46			60	52	56	54	–	N.	3	SE	2			0		1				56			"	– "	19
20	30·066	68	30·066	68	70	49			60	57	55	54	·74	–	–	S.	2			9		9				56			hazy "	– heavy Rn 5 P.M. (fair)	20
21	30·080	66	30·094	67	66	52			58	52	55	53	·03	–	–	E.	4			8		10				56			dull "	– fine	21
22	30·102	64	30·038	64	64	52			56	53	53	52	–	E.	4	NE	3			7		0				56			hazy breezy	– " hazy	22
23	30·000	63	29·982	62	64	51			56	52	54	50	·07	E.	4	E.	5			3		10				56			" "	– dull breezy & cold	23
24	29·960	62	29·924	66	64	51			53	52	57	56	·02	E.	4	E.	5			10		10				56			damp & foggy	– " hazy Lightening	24
25	29·822	66	29·808	67	70	57			59	58	59	58	·03	E.	4	E.	1			10		10				56			" "	– " Thunder, distance	25
26	29·844	67	29·844	67	70	53			60	53	54	53	–	SW	2	–	–			10		0				56			dull showery	– fine	26
27	29·778	64	29·622	65	65	51			62	59	58	57	·39	E.	3	E.	4			6		1				56			fine but foggy	– " hazy	27
28	29·288	66	29·074	68	62	56			58	58	56	56	·53	E.	4	W.	4			10		10				56			dull & wet (T. & L. 1 A.M.)	– showery all day	28
29	29·232	62	29·232	63	63	51			56	52	55	54	·01	WSW	3	–	–			8		10				56			dull & showery	– fine	29
30	29·432	63	29·574	59	62	51			55	53	51	50	·07	W.	5	W.	2			9		10				56			" breezy	– showery	30
31	29·572	60	29·408	62	68	48			58	53	52	50	–	WSW	5	W.	1			6		1				56			" "	– fine	31
Sums.	29·924	129	28·645	152	217	41			280	170	166	142	3·39		84		53			186		182				164·0					
Means.	29·938	64·2	29·924	64·9	67·0	51·3			59·0	55·5	55·4	53·6			2·7		1·7			6·0		5·9				55·3					
Instrumental Errors.	—		—							–·5		–·5																			
Corrected Means.									59·0	55·0	55·4	53·1																			
									4·0		2·3																				

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.
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. — 96 } 29·838

Corrected Mean at 9 P.M., *minus* Correction for Temp. — 99 } 29·825

Mean at Station, corrected, and at 32°, 29·838

Correction for height, feet above Mean Sea Level, + 8.2

Mean, reduced to 32°, and Sea Level, 29·913

Highest Reading, corrected for Index error, on th,

Lowest Do. Do., on th,

Difference, or **Monthly Range,**

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 16 th, 77

Lowest in Month, on 11 th, 46

Difference, or **Monthly Range,** 31

Mean of all the Highest, 67·0

Mean of all the Lowest, 51·3

Difference, or **Mean Daily Range,** 15·7

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), 59·2

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, 57·2

Wet Bulb, Mean of A.M. and P.M. Readings, 54·0

Computed **Temperature of Dew-Point,**

Do. **Elastic Force of Vapour,** ·375

Do. **Relative Humidity** (Saturation = 100), 80

RAIN fell on 17 **Days; Amount in Inches,** 3·39

WIND. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	4		11		2	3	5	1	5	
P.M.	5	2	6	2	3		6		7	
Sum.	9	2	17	2	5	3	11	1	12	

* 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,	17
Snow,	0
Hail,	0
Thunder,	2
Clear Sky,	4
Overcast,	11
Fog,	3
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

(*Signed*)

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Glenburn Hydro, County of Bute, During the MONTH of August 191__.

Lat. 55°49'30"N Long. 5°4'5"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 AM 9 PM.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1	29.418	59	29.582	57	61	49	+	+	55	51	50	48	.02	N.	4	N.	5	+	+	8	+	10	+	+	+	56			dull breezy - drizzly & cold	1
2	29.736	58	29.876	58	56	43			50	47	46	46	–	NNE	3	–	–			9		0				56			" & damp - hazy "	2
3	29.976	58	29.902	60	63	41			52	50	48	47	–	E.	2	S.	1			8		7				56			foggy, dry - fine	3
4	29.778	59	29.412	61	56	46			52	50	55	55	.24	E.	4	E.	6			10		10				56			dull breezy - wet & Stormy all day	4
5	29.294	62	29.452	61	59	53	\		58	57	53	51	.17	–	–	S.W.	3			10		10				55.5			" & foggy " " earlier	5
6	29.528	62	29.494	62	61	50			56	53	55	53	.04	E.	3	E.	4			10		10				55			" " - dry cold	6
7	29.538	62	29.626	63	62	49			56	55	50	49	–	E.	4	–	–			10		0				55			" Showery - hazy "	7
8	29.664	60	29.716	60	62	46			57	54	53	51	–	N.	3	N.W.	3			8		10				55			" fine - fine	8
9	29.672	59	29.786	60	62	50			56	53	51	49	.06	W.	4	–	–			8		2				55			" " - "	9
10	29.722	59	29.822	62	63	45			55	52	55	52	–	W.	2	W.	3			2		6				55			" - "	10
11	29.903	61	30.002	60	63	50	-2.45		56	54	55	52	.01	–	–	N.	3			8		9				55			" "	11
12	30.002	62	29.902	61	64	45			57	54	53	51	.04	–	–	N.	3			10		7				55			" - dull & showery	12
13	29.835	59	29.674	59	63	46			55	51	50	48	.06	N.	5	N.W.	5			4		10				55			" - Stormy & cold	13
14	29.484	58	29.502	60	61	48			55	52	55	54	–	N.W.	4	W.	4			8		10				55			dull & damp - dull breezy	14
15	29.515	60	29.692	59	59	54	\		57	54	54	53	.01	W.	4	–	–			10		10				55			" breezy - fine, Lightening	15
16	29.740	60	29.822	63	66	51			58	56	54	56	.11	–	–	–	–			6		10				55			fine - Slight Showers	16
17	29.696	62	29.680	63	61	50	\		56	56	50	50	.27	E.	1	–	–			10		10				55			dull & wet - dull & damp	17
18	29.570	62	29.514	62	61	50	\		56	56	55	55	.05	–	–	–	–			10		10				55			" & damp - fine	18
19	29.522	63	29.468	63	64	48			55	54	54	53	.19	–	–	N.E.	3			8		10				55			" fine " "	19
20	29.420	60	29.518	60	56	49			52	52	49	48	.08	N.	3	N.W.	6			10		10				55			" & wet - Stormy with Showers	20
21	29.750	57	29.866	56	59	48			55	50	48	46	.06	NNW	5	–	–			7		0				55			breezy with Showers - fine	21
22	29.962	57	29.922	58	61	47			55	50	49	48	.05	WNW	4	–	–			4		10				55			" & bright - "	22
23	29.630	59	29.628	58	55	47			50	49	51	50	.20	E	4	E.	4			10		10				55			foggy & wet - " but Cold	23
24	29.662	59	29.680	60	59	49			51	48	52	50	.01	E	4	ENE	3			10		9				55			dull fine - "	24
25	29.680	58	29.540	59	63	49			53	51	53	51	.07	E	4	E.	5			10		10				55			" " - " but Cold	25
26	29.488	59	29.558	58	62	48			49	47	50	46	–	E.	5	NNE	5			10		0				55			" damp - " " "	26
27	29.624	56	29.726	58	63	40			51	47	42	41	–	–	–	NW	2			6		8				54.8			hazy, quiet - " " "	27
28	29.738	57	29.556	58	60	40			53	51	51	50	.72	–	–	S.E	4			2		10				54.8			" dry - wet Milder	28
29	29.176	58	29.290	61	62	50			53	52	53	52	.56	E.	4	S.W.	1			10		10				54.8			foggy & damp - very heavy Showers (at Intervals)	29
30	29.536	58	29.944	58	59	48			54	51	50	47	–	NNW	5	NW	3			7		0				54.6			dull breezy - fine	30
31	30.036	57	29.832	59	62	41			53	50	52	52	.76	–	–	SW	2			8		10				54			hazy dry - very Wet from 6 PM	31
Sums.	29.295	188	29.964	295	28	280			131	57	49	03	3.78			81		78		246		238				153				
Means.	29.655	59.3	29.676	59.5	60.4	47.8			54.2	51.8	51.6	50.0				2.61		2.52		7.9		7.7				55.0				
Instrumental Errors.	–		–						2.4		1.5																			
Corrected Means.									.353		.343																			
									84		90																			

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.
o. " completely overcast.
d. " drizzling rain.
e. " wet air, without rain falling.
f. " fog.
fe. " wet fog.
g. " gloomy.
h. " 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.		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. 29.655 − .082 = 29.573

Corrected Mean at 9 P.M., *minus* Correction for Temp. 29.676 − .083 = 29.593

Mean at Station, corrected, and at 32°, ... 29.583

Correction for height, feet above Mean Sea Level, ... + .083

Mean, reduced to 32°, and Sea Level, ... .666

Highest Reading, corrected for Index error, on 31st, ... 30.036

Lowest Do. Do., on 29th, ... 29.176

Difference, or **Monthly Range,** 0.860

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 16th, ... 66.0

Lowest in Month, on 27th, 28th 40.0

Difference, or **Monthly Range,** 26.0

Mean of all the Highest, ... 60.9

Mean of all the Lowest, ... 47.4

Difference, or **Mean Daily Range,** 13.5

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... 54.2

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, ... 52.9

Wet Bulb, Mean of A.M. and P.M. Readings, ... 50.9

Computed **Temperature of Dew-Point,** .....

Do. **Elastic Force of Vapour,** ..... .346

Do. **Relative Humidity** (Saturation = 100), ... 87

RAIN fell on 22 Days; Amount in Inches, 3.78

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	0	4	1	9	
P.M.	4	1	5	1	1	3	2	5	9	
Sum.	11	1	15	1	1	3	6	6	18	

* 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.*

(r = 16)

WEATHER SUMMARY.

Number of Days of Precipitation, ...	22
Snow, ...	0
Hail, ...	0
Thunder, ...	0
Clear Sky, ...	0
Overcast, ...	16
Fog, ...	5
Ground Frost, ...	—
Gale, ...	1
	25

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
August 1912

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at *Glenburn Hydro*, County of *Bute*, During the MONTH of *September* 191*2*.

Lat. *55°49'50"N* Long. *5°4'5"W* Height of Cistern of the Barometer above Mean Sea Level *76* feet, above Ground *3½* feet. Diameter of Rain Gauge *5* ins.

Height of Gauge above Mean Sea Level *66* feet. Height of Rim of Gauge above Ground *12* ins.

Date.	Barometer 9 A.M. Barometer (inches)	9 A.M. Attached Thermometer (°)	Barometer 9 P.M. Barometer (inches)	9 P.M. Attached Thermometer (°)	*Self-Registering Thermometers, Screen, Max. 9 P.M. (°)	Screen, Min. 9 P.M. (°)	Black Bulb Max. in Sun 9 P.M. (°)	Min. on Grass 9 A.M. (°)	Hygrometer 9 A.M. Dry bulb (°)	9 A.M. Wet bulb (°)	9 P.M. Dry bulb (°)	9 P.M. Wet bulb (°)	†Rain Amount at 9 A.M. (inches)
1	29·824	58	29·816	58	59	50		7	57	55	51	48	·05
2	29·862	57	30·054	60	64	45			54	50	49	48	·40
3	29·918	59	29·656	63	61	49			50	49	58	58	1·61
4	29·604	59	29·708	57	60	48			54	52	49	47	·33
5	29·736	57	29·792	57	55	46			50	48	49	48	·28
6	29·884	57	30·064	57	57	48			52	49	50	46	-
7	30·134	56	30·020	59	56	48			51	49	55	55	·81
8	30·060	62	30·192	61	56	49			51	51	49	48	·08
9	30·298	56	30·264	59	56	38			48	44	48	44	-
10	30·246	57	30·200	57	60	44			50	45	48	44	-
11	30·220	56	30·332	62	64	39			52	46	47	46	-
12	30·428	59	30·414	61	62	40			50	48	52	51	-
13	30·394	58	30·328	59	57	46			52	49	54	53	·01
14	30·272	61	30·256	62	61	50			56	55	50	48	-
15	30·256	59	30·228	59	58	48			53	52	53	51	-
16	30·228	60	30·252	63	63	51			56	54	52	50	-
17	30·288	60	30·356	62	63	46			54	52	53	50	-
18	30·550	57	30·562	60	65	41			56	54	48	47	-
19	30·500	59	30·466	59	64	46			53	51	52	51	-
20	30·486	58	30·438	60	64	44			52	51	52	50	-
21	30·464	59	30·408	58	61	45			52	49	47	46	-
22	30·436	59	30·428	60	61	46			53	50	48	47	-
23	30·472	60	30·450	59	61	46			52	49	50	47	-
24	30·450	57	30·320	59	56	47			50	47	51	49	-
25	30·234	59	30·152	57	58	43			48	47	50	46	-
26	30·122	56	30·100	58	55	48			49	45	50	46	-
27	30·102	56	30·014	58	58	44			50	46	50	46	-
28	30·014	56	30·004	58	52	44			50	47	52	49	-
29	29·842	61	29·735	63	52	46			50	48	52	51	·07
30	29·505	61	29·404	61	56	47			52	51	52	51	·06
31													
Sums.	4·799	249	4·413	286	275	172			57	283	21	261	3·70
Means.	30·160	58·3	30·147	59·5	59·2	45·7			51·9	49·4	50·7	48·7	
Instrumental Errors.	–		–							−·5		−·5	
Corrected Means.									51·9	48·9 (3·0)	50·7	48·2 (2·5)	

·311/80 : ·307/83

Date.	Wind 9 A.M. Direction	9 A.M. Force (0–12)	Wind 9 P.M. Direction	9 P.M. Force (0–12)	Anemometer 9 A.M.	Clouds 9 A.M. Species and Direction	9 A.M. Amount (0–10)	Clouds 9 P.M. Species and Direction	9 P.M. Amount (0–10)	Sunshine Hours	Therm. under Ground 9 A.M. 3 ins.	12 ins.	48 ins. (°)	Weather At 9 A.M.	Weather At 9 P.M.	General Remarks (9 am – 9 PM)	Date.	
1	W.	3	W	3	+	+	7	+	8				54			dull & damp - fine	1	
2	N	4	S.W.	1			6		1				54			some Showers - "	2	
3	S.E	2	W.	4			10		10				54			dull & Wet - very Wet all day	3	
4	S.W.	6	N.W.	8			10		10				54			Stormy & Showery - Gale all day Rn at intervals	4	F
5	N.W.	7	N.W.	5			10		10				54			" " - Stormy & Wet all day.	5	F
6	N.W.	4	N.	4			8		5				54			dull breezy - breezy, cold dry	6	
7	-	-	W	2			10		10				54			" fine - very Wet from 2 PM	7	
8	E	3	N	1			10		0				53·5			" & wet - fine from noon	8	
9	N	3	N	5			0		0				53·5			fine - " but cold	9	
10	N	2	N	5			0		0				53			bright - " "	10	
11	N	2	-	-			0		0				53			" clear - "	11	
12	-	-	N.	2			4		9				53			dry ~~foggy~~ dry - dull hazy	12	
13	W.	2	N.N.W.	3			10		10				53			" dull - fine	13	
14	W.	1	-	-			10		0				52·8			dull & damp - "	14	
15	N	3	W.	1			10		10				52·5			" dry - "	15	
16	W.N.W.	3	N.W.	2			10		0				52·5			" " - " hazy	16	
17	-	-	W.	3			7		0				52·5			" " - "	17	
18	W.N.W.	3	N.E	1			10		0				52·5			" " - " hazy	18	
19	-	-	-	-			0		10				52·5			foggy " - " dull	19	f
20	-	-	N.	1			10		10				52·5			" " - " foggy	20	f
21	-	-	E.	1			9		0				52·5			dull hazy - "	21	
22	S.E	2	E	1			6		0				52·5			dry " - "	22	
23	E.	3	E.	2			0		0				52			" foggy - "	23	f
24	E.	3	-	-			6		9				52			" " - "	24	f
25	E.	5	-	-			10		10				52			dull " - " dull	25	f
26	E.S.E	3	E	3			10		10				52			" hazy - " foggy	26	
27	E.S.E	3	S	1			3		0				52			dry " - " "	27	
28	E.	5	E.	5			4		9				51·8			breezy foggy - dull "	28	f
29	E.S.E	5	S.E	4			9		10				51·8			" dull " "	29	
30	E.	5	E.	4			10		10				51·5			Stormy & wet - " Stormy	30	F
31																	31	
Sums.		82		72			209		261				849					
Means.		2·7		2·4			7·0		8·7				52·8					

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.
o. ,, completely overcast.
d. ,, drizzling rain.
e. ,, wet air, without rain falling.
f. ,, fog.
fe. ,, wet fog.
g. ,, gloomy.
h. ,, 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		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. — 81	·079
Corrected Mean at 9 P.M., *minus* Correction for Temp. — 84	·063
Mean at Station, corrected, and at 32°,	·071
Correction for height, feet above Mean Sea Level,	+ 83
Mean, reduced to 32°, and Sea Level,	30·154
Highest Reading, corrected for Index error, on th,	
Lowest Do. Do., on th,	
Difference, or Monthly Range,	

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 18 th, ~~19th 20th~~	65
Lowest in Month, on 9 th,	38
Difference, or Monthly Range,	27
Mean of all the Highest,	59·2
Mean of all the Lowest,	45·7
Difference, or Mean Daily Range,	13·5
Mean Temperature of Month, ½ (Mean Max.+Mean Min.),	52·5
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,	51·3
Wet Bulb, Mean of A.M. and P.M. Readings,	48·5
Computed Temperature of Dew-Point,	
Do. Elastic Force of Vapour,	·308
Do. Relative Humidity (Saturation = 100),	81%.

RAIN fell on 10 Days; Amount in Inches, 3·70

WIND. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	5		7	4		1	4	3	6	
P.M.	7	1	6	1	1	1	5	3	5	
Sum.	12	1	13	5	1	2	9	6	11	

* 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*.

Q = 9

WEATHER SUMMARY.

Number of Days of Precipitation,	
Snow,	0
Hail,	0
Thunder,	0
Clear Sky,	5
Overcast,	11
Fog,	6
Ground Frost,	
Gale,	3

INSTRUMENTS IN USE. 16

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 Bute, During the MONTH of October 1912.

Lat. 55°49'50" N. Long. 5°43" W. Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 A.M.	9 P.M.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°					
1	29.384	60	29.575	58	55	49	+	+	52	48	49	45	-	E	4	N.E	4	+	+	7	+	6	+	+	+	51			Breezy & dull	breezy & dull	1
2	29.835	52	30.005	52	52	41			46	41	43	38	-	N.E	4	N.E	4			0		6				51			bright & clear	dry cold	2
3	30.211	49	30.404	51	53	36			43	38	36	34	.01	N.	3	-	-			6		0				51			clear frosty	clear calm	3
4	30.461	51	30.411	53	54	33			47	44	47	44	-	W.	3	W.	1			7		8				51			dull & damp	dull dry	4
5	30.202	54	30.002	57	52	46			50	46	50	49	.06	S.W.	4	S.	2			8		10				50.8			" dry	" & wet	5
6	30.011	56	30.005	59	59	45			52	49	55	49	.05	W.	4	S.W.	4			7		8				50			damp & breezy	" breezy	6
7	30.005	59	30.111	61	57	52			55	53	53	52	-	W.	5	S.	2			10		10				50			dull "	" & damp	7
8	30.105	59	30.105	58	59	44			52	49	54	43	-	S.	3	-	-			4		0				50			hazy dry	hazy fine	8
9	30.111	56	30.205	59	58	44			50	47	45	44	-	S.	1	S.	1			4		0				50			dry foggy	foggy dry	9
10	30.205	55	30.118	58	58	43			48	47	51	49	.10	S.E.	1	-	-			0		0				50			" "	" "	10
11	30.100	58	30.232	57	55	44			52	51	44	43	.05	W	2	-	-			10		0				50			dull & wet	hazy fine	11
12	30.206	56	30.052	59	56	41			50	48	54	51	.03	-	-	S.	3			10		0				50			" foggy	" "	12
13	30.002	59	29.934	61	59	52			53	53	54	54	.32	S.	3	S.	4			10		10				50			wet & "	drizzly all day	13
14	29.756	56	30.192	56	58	46			49	47	46	44	.06	N.W.	5	W.	2			10		0				50			dull stormy	fine	14
15	30.088	55	29.912	58	53	45			50	46	51	51	1.27	W.	4	W.	4			8		10				50			" breezy	very wet from noon	15
16	29.716	54	29.730	56	55	44			49	49	45	44	.24	S.W.	3	W.	2			10		0				50			" & wet	wet up to 4 P. fine	16
17	29.988	55	30.172	54	54	39			48	47	39	38	.13	W	2	S.	1			6		0				50			damp	clear & frosty	17
18	29.996	55	29.936	55	57	39			50	50	48	47	.30	S.S.W.	3	N.W.	4			10		10				50			dull & "	wet all day	18
19	29.842	56	29.732	55	53	46			48	47	47	46	.54	W	4	N.W.	3			4		10				50			showery & breezy	" from noon	19
20	29.274	54	29.152	52	50	32			46	46	34	32	.18	W.	3	-	-			10		10				50			dull & wet	raw & damp, lightening	20 L
21	29.096	50	29.422	51	43	33			41	40	35	34	.23	S.	2	E.	1			10		0				50			" & showery	clear frosty, Sn. on Cowal hills	21
22	29.608	49	29.480	52	48	32			36	35	38	37	.01	-	-	S.	1			-		0				49.5			frosty & hazy	raw & damp	22
23	29.386	51	29.308	53	48	38			44	43	45	43	.06	E.S.E	3	-	-			10		10				49.5			dull & hazy	fine - mild	23
24	29.170	50	29.392	53	46	39			43	42	42	41	.19	-	-	E.	2			10		3				48.8			" & wet	damp & raw	24
25	29.456	52	29.576	52	47	40			44	43	41	41	.20	-	-	-	-			10		8				48.8			" calm	" hazy	25
26	29.622	50	29.392	53	47	39			40	39	45	43	.22	E.	4	E	6			10		10				48			" foggy	Stormy & wet	26 f
27	29.330	52	29.358	55	55	43			48	48	46	44	.23	E.	3	W.	1			10		5				48			" & damp	fine	27
28	29.254	52	29.178	55	53	40	×		49	48	49	48	.49	W.S.W.	2	S.E	1			10		8				48			" showery	"	28
29	29.034	53	29.386	55	51	45			48	47	47	45	.31	E.	1	W.	1			10		0				48			damp & foggy	damp	29 f
30	29.142	53	29.278	52	53	43			48	47	46	44	.02	E.	2	E.	3			7		9				48			Showry & foggy	"	30 f
31	29.766	48	30.088	47	47	39			44	39	39	36	-	N.	4	N.W	3			2		0				48			bright & clear	fine but cold	31
Sums.	23.322 (11 12 12 / 16)	122 (14)	24.843 (10 13 12)	157 (14)	955 (16)	552 (14)			2355 (13)	1777 (17)	1778 (15)	1133 (14)	5.30 (09)		82		60			224		145				203.4 (3)				
Means.	29.752	53.9	29.801	55.1	53.1	41.7			47.6	45.7	45.7	43.6			2.6		1.9			7.2		4.7				49.7				
Instrumental Errors.	-		-		-	-				-.5		-.5																			
Corrected Means.									47.6	45.2	45.7	43.1																			
									2.4		2.6																				

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.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
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.	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.

·273/83

Corrected Mean at 9 A.M., *minus* Correction for Temp. — 6.8	·684
Corrected Mean at 9 P.M., *minus* Correction for Temp. — 7.2	·729
Mean at Station, corrected, and at 32°,	·707
Correction for height, feet above Mean Sea Level, +	85
Mean, reduced to 32°, and Sea Level,	·792
Highest Reading, corrected for Index error, on th,	
Lowest Do. Do., on th,	
Difference, or **Monthly Range,**	

SELF-REGISTERING THERMOMETERS.

·249/82

Highest in Month, on 6th, 8th, 13th	59
Lowest in Month, on 20th, 22nd	32
Difference, or **Monthly Range,**	27
Mean of all the Highest,	53.1
Mean of all the Lowest,	41.7
Difference, or **Mean Daily Range,**	11.4
Mean Temperature of Month, ½ (Mean Max. + Mean Min.),	47.4
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,	46.7
Wet Bulb, Mean of A.M. and P.M. Readings,	44.2
Computed **Temperature of Dew-Point,**	
Do. **Elastic Force of Vapour,**	·261
Do. **Relative Humidity** (Saturation = 100),	82%

RAIN fell on 24 **Days; Amount in Inches,** 5.30

WIND. SUMMARY. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	2	1	6	1	4	3	9	1	4	
P.M.		2	4	1	7	1	6	3	7	
Sum.	2	3	10	2	11	4	15	4	11	

* 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.*

r = 20

WEATHER SUMMARY.

Number of Days of Precipitation,	
Snow,	0
Hail,	0
Thunder,	0
Clear Sky,	4
Overcast,	10
Fog,	5
Ground Frost,	
Gale,	2 ~~0~~ 17

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 Bute, During the MONTH of November 1912.

Lat. 55°49'30"N Long. 5°45" W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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. 9 A.M. Barometer.	BAROMETER. 9 A.M. Attached Thermometer	BAROMETER. 9 P.M. Barometer.	BAROMETER. 9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	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. 9 A.M.	9 P.M.	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°					
1	30·256	44	30·260	45	45	32	+	+	34	32	42	39	·09	-	-	NNW	3	+	+	3	+	0	+	+	+	48			Frosty but fine	- Cold raw	1
2	30·244	47	30·254	49	47	36			42	40	38	37	·01	W	3	N.	1			6		0				47·8			dull & damp	- hazy "	2
3	30·274	47	30·182	49	44	39			40	37	42	39	·06	E.	2	S.E	2			10		10				47·8			" hazy	" "	3
4	30·016	50	29·786	50	53	42	\		49	49	50	50	·46	S.	1	-	-			10		10				47·5			" & damp	- very wet & very foggy	4
5	29·858	54	30·014	55	55	49	\		52	52	49	49	·02	N.	2	W.	2			8		10				47			" "	- fine, Mild.	5
6	30·082	54	30·116	56	53	48			50	50	50	50	·05	W.	3	W	2			10		10				47			" & "	- very wet	6
7	30·080	55	30·072	59	55	50			51	51	53	53	·25	S.	2	W.	5			10		10				47			" "	- ~~very~~ stormy	7
8	30·220	55	30·204	56	54	47			48	47	47	45	·48	NNW	3	-	-			8		10				47·5			" "	- fine	8
9	29·862	56	29·586	50	55	44	×		50	50	46	45	·41	S.W.	3	W.	5			10		10				47·8			" & wet	- wet & stormy	9
10	29·576	49	29·300	47	46	39	×		44	43	39	37	·70	W.	4	W.	7			10		10				47·8			" "	- " "	10
11	29·394	44	29·512	45	44	38			40	38	41	39	·02	NNW	4	NW	7			8		0				48			" breezy	- Stormy & Cold, ha.	11
12	29·716	45	29·744	47	43	36	\		41	38	36	34	-	N.	5	N.W.	2			4		0				48			" squally	- fine but cold	12
13	29·856	47	29·964	51	48	36	\		44	39	42	39	-	N.	5	N.	3			0		6				48			fine but breezy	- " " "	13
14	29·984	49	30·064	52	50	38			40	39	48	46	-	-	-	N.W.	3			3		10				47·8			"	- fine	14
15	30·106	52	30·164	54	53	48	\		50	47	47	44	-	WNW	3	N.W.	4			8		10				47·5			dull, fine	- "	15
16	30·140	52	30·018	53	51	44	\		46	43	44	43	·10	N.W.	2	W.	1			10		10				47			" "	- " but damp	16
17	29·980	52	29·962	52	48	40			44	43	41	40	·24	W.	3	W.	1			8		0				47			Showery ha. & rn	- raw "	17
18	30·016	50	30·076	50	47	35			39	39	37	36	·14	-	-	-	-			8		8				47			" & dull	- freezing	18
19	29·886	50	29·868	48	49	37	\		44	43	43	41	·21	W.	5	WNW	8			7		5				47			" strong wind	- Stormy & Wet	19
20	29·892	48	30·002	50	48	43	\		45	42	47	44	·09	WNW	6	NW	4			5		8				46·8			" & stormy	- fine	20
21	30·078	52	30·132	56	53	45			51	51	50	49	·02	W.	3	W.	2			10		9				46·8			dull & wet	- "	21
22	30·126	55	30·056	57	56	50			52	50	52	51	·28	W.	2	W.	3			9		10				46·5			" & damp	- Wet from 6 P.	22
23	29·922	53	29·830	56	54	44			45	45	46	45	·21	-	-	W.	5			2		5				46·8			damp	- Showery & Stormy	23
24	29·858	51	29·734	55	52	42			45	44	49	49	·96	W.	3	NW.	4			10		10				46·8			dull & wet	- very wet all day	24
25	29·414	52	29·502	52	51	41			44	42	43	41	·72	W.	5	NW.	5			10		5				46·8			~~Stormy & wet~~	Wet & Stormy all day	25
26	28·608	51	28·800	48	52	40			49	49	41	37	·25	SW.	5	SW.	10			10		7				46·8			dull & wet	- Gale from noon ha.	26
27	29·116	45	29·528	44	42	32			39	38	33	31	·01	N.	5	N.	1			7		3				46·8			Showery & breezy	- calm freezing	27
28	29·608	42	29·472	41	34	26			29	29	31	31	-	-	-	E.	4			9		0				46·8			dull & slight snow	- "	28
29	29·436	40	29·520	43	32	23	×		28	27	23	22	·01	E.	3	-	-			0		0				46·8			Clear frosty	- Clear frosty	29
30	29·594	39	29·660	47	36	20			30	30	32	31	-	W.	3	N.	3			5		0				46			slight fn freezing	- " "	30
~~31~~	~~29·594~~	~~41~~	~~29·456~~	~~46~~																											31
Sums.	14 14 13 25·196	12 280	12 13 10 25·402	13 317	13 250	13 284			11 105	13 67	12 84	14 40	8 5·79		85		97			218		178				12 5·9					
Means.	29·840	49·3	29·847	50·6	48·3	39·5			43·5	42·2	42·8	41·3			2·8		3·2			7·3		5·9				47·2					
Instrumental Errors.	—		—						1·3		1·5																				
									·253		·243																				
Corrected Means.									90%		88%																				

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.
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. — 55 ..... .785

Corrected Mean at 9 P.M., *minus* Correction for Temp. — 59 ..... .788

Mean at Station, corrected, and at 32°, ... .787

Correction for height, feet above Mean Sea Level, ... + 85

Mean, reduced to 32°, and Sea Level, ... .872

Highest Reading, corrected for Index error, on th, ...

Lowest Do. Do., on th, ...

Difference, or **Monthly Range,** .....

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 22 th, ... 56

Lowest in Month, on 30 th, ... 20

Difference, or **Monthly Range,** 36

Mean of all the Highest, ... 48·3

Mean of all the Lowest, ... 39·5

Difference, or **Mean Daily Range,** ..... 8·8

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... 43·9

Min. on Grass, Lowest in Month, ...

" " Mean, ...

Black Bulb, Max. in Sun, Highest in Month, ...

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... 43·2

Wet Bulb, Mean of A.M. and P.M. Readings, ... 41·8

Computed **Temperature of Dew-Point,** .....

Do. **Elastic Force of Vapour,** ..... ·249

Do. **Relative Humidity** (Saturation = 100), ... 89

RAIN fell on 24 **Days; Amount in Inches,** 5·79

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

* 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, ...	2
Hail, ...	3
Thunder, ...	0
Clear Sky, ...	2
Overcast, ...	14
Fog, ...	1
Ground Frost, ...	
Gale, ...	6

INSTRUMENTS IN USE.

17

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. .....

ADDITIONAL REMARKS.

On Nov. 26th Bute experienced one of the most severe Gales there been for several years accompanied by a blizzard of Rn. & Ha. at intervals. Commencing about noon and blowing from the S.W. lasted to about 7 P.M. great destruction was done among chimney pots, trees etc. there was the usual drop of nearly an inch in the Bar. from 9 P.M. previous night to 9 A.M. (26th) only a few Boats were able to arrive or depart.

h = 18

Observations made and Return verified by .....

(Signed) .....

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

ROTHESAY ... DE 6 ... 20

EDINBURGH 4 PM DE 6 1P 20

I have been away for
a few days hence
so late
JP

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at *Glenburn Hydro*, County of *Bute*, During the MONTH of *December* 1912.

Lat. 55°49'50"N Long. 5°4'5"W Height of Cistern of the Barometer above Mean Sea Level 76 feet, above Ground 3½ 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 9 A.M. (inches)	Attached Thermometer 9 A.M. (°)	Barometer 9 P.M. (inches)	Attached Thermometer 9 P.M. (°)	*Screen Max. 9 P.M. (°)	*Screen Min. 9 P.M. (°)	Black Bulb Max. in Sun 9 P.M.	Min. on Grass 9 A.M.	Dry bulb 9 A.M.	Wet bulb 9 A.M.	Dry bulb 9 P.M.	Wet bulb 9 P.M.	†Rain Amount at 9 A.M. (inches)	Wind Direction 9 A.M.	Force 9 A.M. (0–12)	Wind Direction 9 P.M.	Force 9 P.M. (0–12)	Anemometer 9 A.M.	Clouds Species and Direction 9 A.M.	Amount 9 A.M. (0–10)	Clouds Species and Direction 9 P.M.	Amount 9 P.M. (0–10)	Sunshine Hours	Therm. under Ground 3 ins.	12 ins.	48 ins.	Weather at 9 A.M.	Weather at 9 P.M.	General Remarks (9 am – 9 P.M.)	Date
1	29·594	41	29·454	46	35	24	+	+	30	30	27	26	·09	-	-	E.	4	+	+	4	+	10	+	+	+	44·5			Freezing – foggy Sn'ing Slightly from 5 P. 1 in	1
2	29·702	41	30·042	44	36	28			38	32	27	26	·05	E.	3	S.	1			10		0				44·5			" Sn ½ in – freezing	2
3	30·108	40	29·542	43	52	25			34	32	48	47	·43	E.	2	ESE	2			10		10				44·5			foggy & dull – dull & wet	3
4	29·532	46	29·505	53	53	48			52	49	51	50	·14	WSW	4	SW.	4			10		10				44·5			dull & damp – " & damp	4
5	29·524	52	29·486	56	53	40			47	46	41	39	·06	S.	3	SW.	1			10		5				44·5			" & wet – fine	5
6	29·478	52	29·668	52	48	40			44	43	43	42	·19	ESE	3	S.	1			8		0				44			" & foggy – damp	6
7	29·620	51	29·686	52	50	42			47	46	47	45	·14	S.	3	W.	1			10		0				44			" & damp – wet all day	7
8	29·832	52	29·918	52	49	42			45	45	44	42	·15	SSW	3	W.	3			6		0				44			hazy damp – hazy fine	8
9	29·626	51	29·750	52	50	43	\		47	46	43	42	·31	WSW	4	W.	3			10		5				44			dull & wet – wet all day	9
10	29·912	49	29·736	50	45	39			42	40	44	41	·43	W.	3	SSW.	3			5		10				44			hazy dry – dry cold	10
11	29·212	51	29·226	51	52	42			50	50	43	42	·46	S.	4	W.	3			10		0				44			dull showery – very Stormy & wet most of day. L.	11
12	29·332	48	29·442	48	45	40			40	39	42	40	·33	W.	4	WNW	4			8		3				44			" " – Showery all day.	12
13	29·304	50	29·208	56	54	42			48	46	52	52	·38	W.	6	W.	6			10		10				44			Stormy – Stormy & wet all day	13
14	29·342	53	29·478	52	54	46			48	45	47	44	·16	W.	6	W.	5			10		0				44			" & Showery. – Stormy.	14
15	29·678	51	29·558	51	48	39			44	40	38	37	·27	W	6	N.W.	4			10		0				44			" dull – Showery & cold	15
16	29·644	47	29·536	48	40	36			37	35	38	34	·46	WNW	5	NW.	5			7		10				44·5			ha. Showers Stormy – ha. rn. Sl. Showers	16
17	29·508	45	29·334	47	40	35			37	36	37	36	·58	W.	4	W.	3			10		10				44·5			ha. rn. Sl. Stormy – " " " Stormy	17
18	30·304	45	29·478	44	39	33			35	34	37	36	·67	W.	3	W.	2			8		10				44·5			dull showery – heavy Shrs. L. Sn & Sl.	18
19	29·264	48	29·284	55	52	37			47	46	51	48	·09	WSW	4	SW.	4			10		10				44			" & wet – fine, milder.	19
20	29·492	54	29·660	56	52	49			50	49	50	50	·67	SSW.	3	SW.	2			10		10				44			" & damp – very wet	20
21	29·742	54	29·664	54	52	42			47	46	44	43	·11	W.	4	W.	2			10		10				44			" & wet – fine.	21
22	29·694	52	29·674	52	46	37	\		43	43	37	36	·07	S.W.	3	W	1			7		8				44			" & damp – "	22
23	29·512	52	29·596	52	48	37	\		46	46	43	41	·13	SW.	3	S.	1			10		2				44			" & wet – fine / " & wet – wet all day & Gale from 4 P.M.	23
24	29·388	52	29·112	52	48	41			44	43	43	43	·52	S.	3	W.	9			10		8				44			" fine – rn Stormy day time.	24
25	29·400 (9 written over)	47	29·508	49	46	41	\		43	41	41	39	·13	WSW	3	NW.	4			10		5				44			very Stormy all night to 5 a.m. | Clear freezing	25
26	29·290	48	29·492	48	43	33	+		39	37	32	31	·02	E.	5	S.	1			10		0				44			foggy & wet – very wet all day	26
27	29·506	45	29·086	48	49	30			36	35	45	45	·82	E.	2	SE.	1			10		10				44				27
28	29·164	51	29·450	49	50	40	\		45	44	40	38	·02	W.	4	SSW.	2			10		0				44			dull Showery – fine	28
29	29·286	48	29·558	48	46	37			42	42 (4 written over)	44	41	·23	SSW.	4	NW.	5			10		2				44			" & wet – Stormy & wet all day	29
30	29·950	50	29·776	51	47	41			43	42	46	46	·75	W.	3	S.	4			8		10				44			" & damp – very wet from 11 a.	30
31	29·578	52	29·688	53	51	48	\		50	48	43	41	·07	W.	4	W.	3			8		10				44			breezy – Some Rn Cold	31
Sums.	17 ·518	27 8	16 ·595	1 4	23 3	26 2			10 0	5 5	6 8	2 5	8·93		111		93			279		178				8·0				
Means.	29·565	48·7	29·535	50·4	47·5	38·5			43·2	41·8	42·2	40·8			3·58		3			9·0		5·7				44·1				
Instrumental Errors.	✓		✓		✓	✓			✓	-·5 41·3	✓	-·5 40·3								90						✓				
Corrected Means.									1·9 43·2	41·3	1·9	40·3																		

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.
o. ,, completely overcast.
d. ,, drizzling rain.
e. ,, wet air, without rain falling.
f. ,, fog.
fe. ,, wet fog.
g. ,, gloomy.
h. ,, 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.		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. 29·565 – ·054	29·511
Corrected Mean at 9 P.M., *minus* Correction for Temp. 29·535 – ·059	29·476
Mean at Station, corrected, and at 32°,	29·493
Correction for height, feet above Mean Sea Level,	+ 86
Mean, reduced to 32°, and Sea Level,	29·579
Highest Reading, corrected for Index error, on 18th,	30·304
Lowest Do. Do., on 27th,	29·086
Difference, or Monthly Range,	1·218

·238/85 ·229/85

SELF-REGISTERING THERMOMETERS.

Highest in Month, on 13 th, 14th	54·0
Lowest in Month, on 1st	24·0
Difference, or Monthly Range,	30·0
Mean of all the Highest,	47·5
Mean of all the Lowest,	38·5
Difference, or Mean Daily Range,	9·0
Mean Temperature of Month, ½ (Mean Max. + Mean Min.),	~~42·9~~ 43·0
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,	42·7
Wet Bulb, Mean of A.M. and P.M. Readings,	40·8
Computed Temperature of Dew-Point,	
Do. Elastic Force of Vapour,	·234
Do. Relative Humidity (Saturation = 100),	86
RAIN fell on 31 Days; Amount in Inches,	2·93

WIND. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.	0	0	5	0	7	2	16	0	1	
P.M.	0	0	2	1	7	3	14	4	0	
Sum.	0	0	7	1	14	5	30	4	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.*

R = 29

WEATHER SUMMARY.

Number of Days of Precipitation, ...

Snow,	5
Hail,	2
Thunder,	0
Clear Sky,	0
Overcast,	13
Fog,	4
Ground Frost,	—
Gale,	6

INSTRUMENTS IN USE. 26

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*)

Rothesay ~~Dec.~~ 1912

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST