

METEOROLOGICAL OBSERVATIONS.

By JOHN DAVIDSON.

WEATHER REPORT, 1930.

TEMPERATURE.

With the exception of January, October and December, there was a coldness during the entire year, no very great extreme, just a coldness and dampness which told against vegetation in general.

February was the coldest month with a normal temperature of 36.8° , 3.1° under normal, and January the warmest, normal temperature 40.9° , or 1.4° above normal. All the what we call summer months were under normal temperature. July the lowest with 1 degree under. The year finished slightly under normal, 0.5° .

Max. reading in screen, 74° on 27th August, highest. Min. reading in screen, 25° on 19th March, lowest. Mean max., 52.4° . Mean min., 42.3° . Mean max. and min., 47.3° .

Frost.—Lowest reading on grass, 19° , or 13° of frost on 19th March.

Highest reading in the sun, 109° on 5th June.

Temperature and Humidity.—Dry bulb, 46.9. Depression of wet, 1.5. Vapour pressure, 9.8. Relative humidity, 87.

VARIOUS.

SNOW.—There were eight days of snow. One in January, one in February, four in March, and two in November. None were severe. Most lying on ground at 9th hour at any time was on 22nd March, $1\frac{1}{2}$ inches.

HAIL.—There were 17 days on which hail fell.

THUNDERSTORMS.—Of thunderstorms we had six during

the year. The most severe on 22nd August lasting from $14\frac{1}{2}$ till $15\frac{1}{2}$ hours, very sharp while it lasted.

FOG.—We had fog on 21 days, sometimes very dense, but did not last long, the most dense was from 20th till 24th of February.

GALE.—There were 10 days of gale, nothing very severe. The strongest on 3rd-4th April, and 27th-28th December.

WIND.—Direction, N. 80, N.E. 113, E. 75, S.E. 80, S. 64, S.W. 68, W. 81, N.W. 169. Two readings per day at 9 and 21 hour. It will be seen by the above readings that N.W. leads with 169, and South lowest with 64.

SUNSHINE.—Owing to some missed readings in November, the total hours sunshine cannot be given. May, with 6.22 hours per day, and a per cent. of 38; and June, with 6.63 hours per day, and a per cent. of 38, were the best months. January, 0.96; and December, 0.91 hours per day, and a per cent. of 13, were the lowest readings..

GENERAL.

The unsettled wet weather during the last months of 1929 continued during January. From then onwards till the middle of June there was a decided improvement, especially as regards rainfall. From the first of February till the 17th June was quite a dry period for Bute, only 10.32 inches of rain fell during the period. February, with only .28" of rain, beating all records for dryness for the month as far as our records go.

Although dry, the weather was decidedly cold, which kept vegetation back and brought on a late harvest.

From the middle of June onwards the weather was decidedly cold and wet, all the months being above normal rainfall, and most of them under normal temperature. Still, we were not so bad as the West of England, Ireland and Wales, which were considerably worse. On the whole, we have had better years, also worse, and can hope for better in the future.

BAROMETER READINGS IN INCHES.

YEAR 1930	HIGHEST	DATE	LOWEST	DATE	RANGE
January	29.992	16	28.730	31	1.263
February	30.645	8	28.812	1	1.833
March	30.422		29.056	20	1.366
April	30.058	17	29.204	13	.854
May... ..	30.186	23	29.312	11	.874
June	30.234	15	29.416	27	.818
July... ..	30.134	10	29.106	18	1.028
August	30.196	31	29.166	21	1.080
September	30.405	1	28.812	20	1.593
October	30.312	1	28.726	8	1.586
November	30.428	11	28.614	2	1.814
December ..	30.342	20	28.804	27	1.538
Year	30.645	Feb. 8	28.614	Nov. 2	2.031

Summary of Records of Temperature, Rainfall, Sunshine and Weather Observations for the Year 1930.

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Summary of Observations of Pressure, Temperature, Humidity, Cloud, Visibility, Wind at Fixed Hours, during Various Months and Year.

YEAR	1929.	Month.	MEAN PRESSURE		TEMPERATURE and HUMIDITY				CLOUD AMOUNT				VISIBILITY				WIND				NUMBER OF OBSERVATIONS																			
			Hours of Observation.	At Mean Sea Level.	m. b.	Dwb	Depression of Wet.	Vapour Pressure.	Relative Humidity.	No. of Observations				No. of Observations.				Force 0 to 12.																						
										0 to 6	7 to 9	10	0	1	2	3	Fog	Haze or Mist			Good Vis.	8 or more	4 to 7	1 to 3	Calm	N	NE	E	SE	S	SW	W	NW							
																		Mean Amount	4	5														6	7	8	9			
January	9	1000.7	40.0	0.7	7.8	8.1	8.3	8.4	8.5	12	5	14	0	0	0	0	1	0	0	0	0	0	0	0	0	0	15	16	0	2	0	2	5	9	7	1	5			
February	21	999.3	41.5	0.8	8.1	8.3	8.4	8.5	8.6	7	3	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	17	0	2	0	7	12	5	0	1	3		
March	21	1023.1	35.9	1.2	6.3	8.8	7.9	7.9	8.8	10	5	16	0	0	0	0	5	2	4	5	8	3	1	0	7	12	3	1	0	8	20	0	7	12	3	1	0	1	3	
April	9	1008.3	39.5	1.1	7.2	7.4	8.8	8.2	8.3	7	9	15	0	0	0	0	1	0	2	2	6	13	1	0	5	8	2	4	0	13	18	0	5	8	2	4	1	2	7	
May	21	1008.2	39.8	1.3	7.4	8.8	8.3	8.0	8.1	6	5	20	0	0	0	0	0	1	3	2	10	4	3	0	5	8	2	4	0	15	16	0	5	8	2	4	1	2	7	
June	9	1010.7	44.9	2.2	8.3	7.4	8.8	8.0	8.1	12	7	14	0	0	0	0	0	0	0	0	8	7	6	1	18	11	0	5	16	17	0	5	9	2	3	1	0	5	7	
July	21	1013.6	49.3	2.8	9.4	7.9	7.5	7.5	7.5	15	8	11	0	0	0	0	0	0	1	0	5	7	2	0	13	7	2	0	15	16	0	5	5	9	3	0	2	3	11	
August	9	1013.6	56.0	3.1	12.3	8.4	7.1	7.1	7.1	13	5	12	0	0	0	0	0	0	0	0	5	6	3	0	10	20	0	0	10	20	0	0	2	6	2	3	8	2	7	
September	21	1008.5	56.6	2.1	13.8	8.7	6.6	6.6	6.6	3	11	17	0	0	0	0	0	0	0	0	8	14	3	0	11	20	0	0	11	20	0	0	2	3	2	3	7	1	12	
October	9	1009.1	55.3	1.4	13.4	9.1	8.5	8.5	8.5	6	6	19	0	0	0	0	0	0	0	0	3	11	1	0	11	20	0	0	11	20	0	0	4	0	4	3	3	2	5	13
November	21	1007.6	56.2	1.5	13.8	9.1	8.8	8.8	8.8	5	6	21	0	0	0	0	1	2	0	4	2	9	0	0	16	15	0	0	16	21	0	0	4	3	3	3	2	6	10	
December	9	1012.8	53.3	1.4	12.4	9.1	7.6	7.6	7.6	12	4	14	0	0	0	0	0	0	1	6	9	4	0	11	19	0	0	11	19	0	0	5	11	1	1	2	2	7	9	
For Year	21	1003.4	48.7	1.6	12.5	8.9	7.7	7.7	7.7	10	4	16	0	0	0	0	2	0	4	9	4	9	3	0	10	20	0	0	10	20	0	0	8	2	2	6	7	1	9	
	21	1003.7	47.5	1.1	10.0	9.1	8.7	8.7	8.7	4	9	18	0	0	0	0	2	0	4	9	4	9	3	0	10	20	0	0	10	20	0	0	1	2	3	2	6	7	1	
	9	1006.7	41.3	1.1	9.0	7.9	7.7	7.7	7.7	8	7	15	0	0	0	0	0	3	2	1	5	3	4	0	17	13	0	0	17	13	0	7	3	4	1	1	0	3	6	9
	21	1008.1	41.9	1.2	8.1	9.0	7.3	7.3	7.3	11	4	15	0	0	0	0	3	2	4	6	2	4	4	0	14	16	0	0	14	16	0	6	3	2	4	1	1	0	3	8
	9	1807.4	40.7	0.6	8.2	9.5	8.6	8.6	8.6	4	8	19	0	0	0	0	0	3	2	4	6	2	4	0	14	16	0	0	14	16	0	7	3	4	1	1	0	3	6	9
	21	1007.7	40.9	0.8	8.1	9.5	8.4	8.4	8.4	7	4	20	0	0	0	0	0	3	2	4	6	2	4	0	14	16	0	0	14	16	0	7	3	4	1	1	0	3	6	9
	9	1009.8	46.9	1.6	9.9	8.7	8.0	8.0	8.0	84	186	201	0	2	2	17	11	19	72	76	144	22	3	43	61	45	36	32	35	34	79	35	34	79	35	34	79	35	34	
	21	1009.9	46.9	1.5	9.8	8.8	8.0	8.0	8.0	61	201	201	0	4	4	11	12	26	71	96	122	23	3	44	61	53	40	44	44	44	218	0	57	53	47	50	47	50		

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BAROMETER.

Taking into consideration the dull, wet year, with few exceptions, the Barometer was fairly high. January, March, June, August, September, October December all giving fairly high readings, while the lowest readings were given in January, February, November. The highest reading for the year, 30.520 ins., 25th September. Lowest reading, 28.406 ins., 10th November, giving a range for the year of 2.114 inches.

MONTHLY READINGS OF BAROMETER FOR YEAR.

Month	High	Date	Low	Date	Range	Remarks
January	30.364	7	28.584	23	1.780	Erratic first & last week fairly high otherwise
February	30.160	3	28.906	16	1.254	Erratic all month
March	30.432	25	29.304	13	1.128	High, steady
April	30.112	10	29.138	25	.984	Low, steady
May	30.066	9	29.316	4	.750	Steady, fairly high
June	30.208	25	29.356	14	.852	Steady, fairly high
July	29.872	21	29.294	4	.578	Consistently low
August	30.248	26	29.034	20	1.214	Mostly high
September	30.520	25	29.432	30	1.088	Very high all month
October	30.446	14	29.314	7	1.132	Fairly high all month
November	30.294	30	28.406	10	1.188	High except first 12 days
December	30.490	20	29.120	4	1.370	High except 3rd, 4th, 28th

TEMPERATURE.

READINGS FOR VARIOUS MONTHS.

January	Mean temperature	38.9°	Minus normal	0.6°
February	"	38.8°	"	1.1°
March	"	38.7°	"	2.6°
April	"	44.5°	"	1.0°
May	"	49.9°	"	0.3°
June	"	52.2°	"	3.6°
July	"	56.3°	"	1.4°
August	"	56.0°	"	1.1°
September	"	52.4°	"	1.7°
October	"	47.9°	"	0.3°
November	"	45.9°	Plus normal	2.3°
December	"	43.5°	"	3.1°

Mean maximum for year, 52.0°

Mean minimum for year, 42.1°

Mean maximum and minimum, 47.1°

Deviation from normal minus, 0.7°

Highest reading in screen, 70° on 3rd and 8th August.

Lowest reading in screen, 25° on 7th March.

Lowest reading on grass, 24°, or 8° frost, 7th March.

Highest reading in sun, 110° on 30th July.

Take the year all through with the exception of November and December, the temperature was consistently low. We had no warm spell during the summer for any length of time.

GENERAL.

The past year was characterised by an unfavourable summer, which in Scotland, however, improved towards the close, and helped the farmers greatly to get the harvest in comfortably.

November brought a return of bad weather and heavy rains, being the wettest month of the year. In some respects December showed some improvement, the beginning was rainy, also the latter part of the month, and the whole month, with the exception of the 29th, 30th and 31st, was very mild, being 3.6° above normal. November was a consistently wet, mild month, with a rainfall of 5.43" above normal, and a tem-

perature of 2.3° above normal. These two months, November and December, were the only two of the whole year above normal temperature, if it had not been for these, we should have been at least 5° under normal temperature.

THUNDERSTORMS.—Of thunderstorms we had comparatively few: six days in all. Two each in May, July and August. The most severe was on 16th August. At no time was any major damage done.

HAIL.—We had 19 days of hail, and 14 days of snow. Eight days of snow lying. The greatest depth at any time was 3 inches on 22nd March.

FOG.—We had 11 days of fog, mostly in the months of January, March, July, October, November. The most dense being in March.

GALE.—There were 5 days of gale during the year: 2 in January, 1 in February, 1 in November, 1 in December. Nothing very severe—slight damage was done.

WINDS.—Direction taken twice daily. N. 44, N.E. 166, E. 49, S.E. 107, S. 35, S.W. 51, W. 85, N.W. 193. Total, 730.

HUMIDITY.—Dry bulb, 46.8°. Depression of wet bulb, 1.7°. Vapour pressure, 9.7°. Relative humidity, 87%.

RAINFALL.

1931 was the sixth wettest year on record in Bute, and is the wettest year since 1928, when there was the abnormal fall of 73.03 inches. Taking the years as they stand for rainfall—1928, fall 73.03 ins.; 1812, 71.37 ins.; 1872, 70.20 ins.; 1878, 68.59 ins.; 1924, 66.46 ins.; 1931, 64.76 ins. Taking the official records for years 1885-1915 of 49.04 ins., the past year is 15.72 ins. above normal. Taking the normal for years 1900-1930 of 56.70 ins., the past year is 8.06 ins. above normal. November was the wettest month, fall 10.50 ins., or 5.43 ins. above normal. The wettest November on record for Bute. March was the driest month, fall 1.82 ins., or 1.77 ins. under

normal. March, April, August, September, October, November, December were all above normal. The month of July was the wettest since 1882.

The total rainfall for 1931 of 64.76 ins. is 4.84 ins. more than last year.

Rain days:—1931, 271; 1930, 240 + 1931=31 days more, or 13 days more than normal for years 1900-1930.

The longest spell of continuous dry days was from 19th till 29th September, 10 days.

The greatest rainfall for 24 hours during the year, 1.34 ins. on 23rd November.

Summary of Records of Temperature, Rainfall, Sunshine, and Weather Observations for Various Months and Year.

Summary of Records of Temperature, Rainfall, Sunshine, and Weather: Observations at										AIR TEMPERATURE IN DEGREES FAHRENHEIT.										RAINFALL										WEATHER										BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Y E A R		Month	Hours of Observation	Height of Station above M. S. L.	Absolute Maximum and Minimum										Earth Temperature		Total Fall			Deviation from Normal			Most in a Day		Precipitation		Number of Days						Hours per Day			Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
					Means of A and B		Deviation from Normal		Maximum		Minimum		Date		1 ft. 4 ft.	in.	°F.	in.	°F.	in.	°F.	Amount	Date	0.1 or More	0.4 or More	Snow	Snow Lying	Hail	Thunderstorm	Fog	Morning Observation	Ground Frost	Gale	Daily Mean	Deviation from Normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					A	B	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.																							°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.	°F.

YEAR 1931. Month.	MEAN PRESSURE		TEMPERATURE and HUMIDITY				CLOUD AMOUNT			VISIBILITY					WIND			NUMBER OF OBSERVATIONS																	
	Hours of Observation.	At Mean Sea Level	°F.	°C.	Dry Bulb	Depression of Wet	Vapour Pressure	Relative Humidity	No. of Observations			No. of Observations.					Force 0 to 12.			N	NE	E	SE	S	SW	W	NW								
									0 to 6	7 to 9	10	Fog			Haze or Mist			8 or more	1 to 3									Calm							
												1	2	3	4	5	6												7	8	9				
January	9	1008.7	39.2	0.8	75	93	85	5	4	22	0	0	1	0	2	0	6	13	8	1	9	9	22	0	5	3	0	2	1	6	12				
	21	1008.9	38.9	0.9	74	92	80	4	5	17	0	0	1	0	2	0	7	13	5	1	1	1	10	0	3	3	0	0	5	1	4	14			
February	9	1006.5	38.7	1.0	73	91	91	2	8	18	0	0	0	0	0	3	5	6	14	0	0	17	11	0	3	0	0	2	1	3	5	10			
	21	1007.8	38.7	1.2	72	89	88	4	5	19	0	0	0	0	0	4	1	11	12	0	0	15	13	0	0	0	0	2	1	4	12	12			
March	9	1014.9	37.7	1.5	67	86	83	7	7	17	0	0	0	0	4	1	5	8	6	7	0	0	13	18	0	0	17	8	0	1	1	4	4		
	21	1015.1	39.4	1.8	67	83	81	5	11	15	0	0	0	0	0	0	5	9	4	7	2	0	17	14	0	1	14	8	0	0	2	4	4		
April	9	1011.2	44.3	2.4	79	80	83	7	17	13	0	0	0	0	0	0	1	4	11	14	0	0	12	18	0	4	5	3	7	0	0	2	9		
	21	1010.9	44.3	2.4	79	80	75	10	17	6	0	0	0	0	0	0	1	7	5	13	4	0	14	16	0	5	4	1	0	2	0	2	12		
May	9	1008.9	49.7	2.7	99	81	85	5	8	18	0	0	0	0	1	0	3	9	11	7	0	0	12	19	0	1	8	4	10	1	1	2	4	5	
	21	1009.1	49.9	2.4	10.2	83	80	7	9	15	0	0	0	0	0	0	6	8	10	1	0	0	15	16	0	0	9	6	6	3	0	2	5	10	
June	9	1013.6	51.7	2.3	11.1	87	90	3	8	19	0	0	0	0	1	0	5	7	9	11	0	0	15	15	0	0	14	2	2	0	2	3	7	7	
	21	1013.4	51.7	1.8	11.5	84	88	3	4	23	0	0	0	0	0	0	2	8	9	11	0	0	10	15	0	0	10	1	4	4	4	3	4	4	
July	9	1005.0	56.1	1.8	13.5	88	94	1	7	23	0	0	0	0	0	1	0	4	12	12	2	0	8	23	0	0	5	0	9	2	2	3	10	10	
	21	1005.1	55.6	1.6	13.7	90	95	0	6	25	0	0	0	0	2	1	1	2	9	15	1	0	9	22	0	0	4	0	5	4	3	5	10	8	
August	9	1013.9	54.8	2.4	12.5	85	76	9	7	15	0	0	0	0	0	0	1	12	6	10	0	0	8	23	0	4	16	0	2	0	2	3	4	4	
	21	1014.1	55.3	2.6	12.3	83	76	8	7	16	0	0	0	0	0	0	0	10	4	15	2	0	10	21	0	2	18	0	0	0	0	3	8	8	
September	9	1021.9	51.5	1.9	11.0	87	83	8	4	18	0	0	0	0	1	0	5	8	9	4	2	0	7	23	0	3	10	0	6	2	1	0	8	8	
	21	1021.7	51.7	2.3	11.1	84	80	8	4	18	0	0	0	0	1	0	2	8	6	13	0	0	12	18	0	3	4	1	5	1	1	0	15		
October	9	1017.4	47.8	1.5	10.1	89	81	6	9	16	0	0	0	0	1	0	2	8	6	13	0	0	12	19	0	4	2	1	3	1	4	7	9	9	
	21	1018.2	47.3	1.5	9.7	88	87	4	10	17	0	0	0	0	1	0	2	5	11	12	0	0	12	19	0	2	4	0	0	3	8	11	11	11	
November	9	1002.5	45.9	1.1	9.6	91	89	2	9	19	0	0	0	0	0	0	4	11	9	3	0	1	14	15	0	1	5	5	8	2	4	0	5	2	
	21	1002.8	45.7	1.1	9.6	91	95	2	1	27	0	0	0	0	0	2	2	11	11	2	0	0	18	12	0	0	4	4	8	2	7	2	2	2	2
December	9	1020.5	44.0	1.5	8.6	97	96	2	1	28	0	0	0	0	0	2	3	7	8	9	1	0	16	15	0	1	1	3	5	3	2	9	7	7	
	21	1019.4	43.4	0.9	8.7	92	97	0	3	28	0	0	0	0	0	2	2	6	8	9	2	1	11	19	0	0	1	1	3	5	3	2	9	7	
For Year	9	1012.1	46.8	1.7	9.6	87	86	57	89	219	0	0	0	2	9	12	30	84	111	110	7	143	221	0	26	86	26	60	14	23	41	89	89	104	
	21	1012.3	46.8	1.7	9.7	87	85	60	72	233	0	0	1	14	5	30	81	100	121	13	2	153	210	0	18	80	23	47	21	28	44	104	104		

WEATHER REPORT.

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WEATHER REPORT, 1932.

BAROMETER.

The largest range of Barometer readings for the year occurred during the months of January and December, which were also the two wettest months of the year. Otherwise the readings were normal. The highest reading for the year was 30.764 on 20th February, and the lowest 28.640 on 10th January, giving an extreme range for the year of 2.124.

MONTHLY READINGS OF BAROMETER FOR YEAR 1932.

Month	High	Date	Low	Date	Range	Remarks.
January	30.762	26	28.640	10	2.122	Very erratic
February	30.764	20	30.032	8	.732	Steady, high all month
March	20.200	1	28.896	30	1.304	Erratic
April	30.256	12	28.690	10	1.566	Erratic
May	30.068	4	29.366	12	.702	Steady
June	30.212	15	29.384	30	.828	Steady, high
July	30.042	18	29.002	1	1.040	Steady, high
August	30.286	23	29.534	12	.752	High
September	30.256	15	28.984	25	1.272	Erratic
October	30.000	3	28.972	29	1.028	Low, erratic
November	30.472	13	29.014	22	1.458	Fairly high, erratic
December	30.448	25	28.862	3	1.584	Erratic

TEMPERATURE.

READINGS FOR VARIOUS MONTHS.

Month.	Mean temperature.	Deviation from normal.
January	44.8	+4.3
February	41.7	+1.8
March	42.1	+0.8
April	42.5	-3.0
May	49.2	-1.2
June	56.9	+1.1
July	57.1	-0.6
August	57.7	+0.6
September	52.6	-1.5
October	46.3	-1.9
November	43.3	+0.2
December	42.7	+2.4

Mean maximum for year, 53.3

Mean minimum for year, 42.7

Mean maximum and minimum for year, ... 48.0

Deviation from normal, +0.2

Highest reading in screen, 76 on June 17.

Lowest reading in screen, 31 on January 8, February 11, March 3, 11, 12, and April 12.

Lowest reading on grass, 23 on March 12.

Highest reading in sun, 109 on June 1, 17, July 31.

GENERAL.

THUNDERSTORMS.—There were only three thunderstorms during the year, two in July and one in August. The lightning during the night of 12th August was a very fine display, being practically continuous during the night, the thunder being very heavy at times.

HAIL.—There were 21 days when hail was reported, and four days with snow, which only lay on two occasions.

FOG.—We had seven days of fog, four of which were during November, two in February and one in March.

GALE.—There were six days when the wind reached gale force. The dates were January 5th, 9th, 12th and 14th, Octo-

ber 29th, and November 26th. On no occasion was any severe damage done.

WIND.—Reporting the direction twice daily, giving a total number of readings of 732, the individual direction totals were:—N. 63, N.E. 113, E. 73, S.E. 90, S. 52, S.W. 90, W. 68, N.W. 183.

HUMIDITY.—Dry Bulb—48.1. Depression of Wet Bulb 1.5. Vapour Pressure 10.1 mbs. Relative Humidity, 87%.

The main feature of the past year was the excessive wet and stormy weather experienced during the first month of the year, and the exceedingly wet ending during December. Again, January was no less than 4.3 degrees above normal temperature and easily the warmest month taking into consideration the time of year.

1932 can be considered a fairly normal year as regards weather, it was only 0.2 degrees above normal temperature, and the rainfall was only 3.38 ins. above the normal for the last 31 years.

There were no very severe gales and very little fog or frost, and practically no snow.

The sunshine records show an increase of 160 hours over the total for 1931.

I might mention the curious readings of the Barometer for the past two years for the months of January and December. Both have given very high readings during these two years, and yet they were both very wet months, especially January of 1932, which was a very wet, stormy month all through.

RAINFALL.

When compared with the normal rainfall for the years 1885-1915 of 49.04 ins., 1932 is above this figure by 9.41 ins., and when compared with the normal for the 32 years, 1900-1931, of 55.07 ins., it exceeds this by only 3.38 ins.

The total fall for the year was 58.45 ins., which is 6.31 ins. below the total for 1931.

The greatest fall in 24 hours occurred on 2nd January, when 2.18 ins. was recorded.

There were 236 wet days, 35 less than last year.

January was the wettest month with a fall of 10.07 ins., and this has only been exceeded for this month in the years 1928 when 10.43 ins. fell, and 1866 when 10.40 ins. fell.

February was the driest month of the year, with .22 ins., and is the driest February recorded so far as the records go. It is strange that in 1928 the fall in February was only .28 ins., so that 1932 and 1928 hold the distinction of having the wettest Januaries and the driest Februaries.

When compared with the normals, January, March, April, July, September, October and December are all above normal, and the other months, February, May, June, August and November below normal. January exceeded the normal by 5.49 ins., October by 4.56 ins., and December by 2.04 ins., while February was below normal by 3.79 ins.

The longest spell of continuous dry days was from the 7th to the 21st February—14 days.

Summary of Records of Temperature, Rainfall, Sunshine, and Weather Observations for Various Months and Year.

[illegible]

YEAR 1932.	Month.	MEAN PRESSURE		TEMPERATURE and HUMIDITY			CLOUD AMOUNT			VISIBILITY			WIND		NUMBER OF OBSERVATIONS																
		Hours of Observation.	At Mean Sea Level	Dry Bulb °F.	Depression of Wet Bulb °F.	Vapour Pressure m. b.	Relative Humidity %	No. of Observations			No. of Observations.			Force 0 to 12.																	
								Mean Amount	0 to 6	7 to 9	10	Fog			Haze or Mist			Good Vis.	8 or more	4 to 7	1 to 3	Calm									
												1	2	3	4 Mist	5 Poor Vis.	6 Mod. Vis.						7	8	9	N	NE	E	SE	S	SW
January	..	9 1012.6	21 1012.1	44.0 44.3	1.3 1.3	8.7 8.7	89 89	9.0 8.9	3 4	5 23	0 25	0 0	0 0	0 0	0 0	0 0	2 2	8 16	9 9	1 4	0 9	2 14	12 15	0 0	0 0	0 0	8 4	5 5	9 14	4 1	4 6
February	..	9 1035.4	21 1034.5	41.0 42.1	1.9 2.0	7.3 7.3	83 83	6.7 7.0	13 13	7 6	9 9	0 0	0 0	0 2	0 1	0 2	0 0	10 10	6 9	0 0	0 11	18 0	0 0	0 1	0 5	1 3	3 0	4 0	4 0	16 12	
March	..	9 1012.3	21 1011.9	42.1 42.4	1.8 2.0	7.6 7.5	84 83	7.9 8.1	9 8	7 16	0 19	0 0	0 0	0 1	0 0	0 4	5 9	4 10	2 7	4 4	0 15	16 0	0 0	0 5	3 6	2 5	3 1	4 1	7 7		
April ..	..	9 1005.4	21 1005.4	43.4 43.2	2.0 2.0	7.8 7.8	83 83	7.9 8.1	6 6	5 16	0 0	0 0	0 0	0 0	0 0	0 0	1 6	10 10	9 4	4 0	0 19	11 0	0 5	5 6	3 4	0 1	2 0	1 2	2 9		
May ..	..	9 1011.1	21 1011.5	49.5 48.5	2.5 2.0	9.7 10.1	85 85	7.5 7.9	10 8	7 14	0 17	0 0	0 0	0 0	0 0	0 0	1 13	5 12	4 11	4 0	0 9	22 0	0 5	7 3	9 2	0 0	0 0	0 5	1 5		
June ..	..	9 1018.0	21 1017.2	55.7 56.3	3.2 3.9	12.2 11.5	80 75	7.0 7.5	13 13	5 12	0 0	0 0	0 0	0 0	0 0	0 0	0 4	14 9	0 16	0 0	0 6	24 0	0 2	9 5	4 1	0 0	2 6	1 0	2 7	6 6	
July ..	..	9 1008.4	21 1009.2	57.6 55.7	2.4 1.4	14.0 13.9	85 91	8.5 9.1	4 4	5 11	0 24	0 0	0 0	0 0	0 1	0 3	0 5	18 6	2 15	2 0	0 9	22 0	0 6	1 1	0 5	3 6	4 5	5 10	8 8		
August	..	9 1017.7	21 1018.1	57.6 56.5	1.9 1.9	14.5 14.0	89 87	8.5 8.5	4 4	8 19	0 22	0 0	0 0	0 0	0 0	0 0	0 4	9 10	6 7	2 0	0 7	24 0	0 2	5 3	7 1	0 6	5 6	5 8			
September ..	..	9 1008.9	21 1010.6	53.1 52.2	1.8 1.8	12.0 11.5	87 87	8.3 7.7	5 10	9 16	0 4	0 0	0 0	0 0	0 0	0 0	0 4	9 12	15 0	0 9	17 21	0 0	0 2	3 5	1 1	0 7	2 10	5 11			
October	..	9 1001.6	21 1002.7	46.7 46.1	1.6 1.2	9.6 9.1	87 91	8.5 9.0	3 3	11 17	0 4	0 0	0 0	0 0	0 0	0 1	3 11	15 16	0 16	0 0	0 12	19 0	0 4	2 0	0 2	3 4	2 7	7 10			
November ..	..	9 1014.4	21 1014.7	43.4 43.6	1.3 1.2	8.3 8.9	88 90	8.8 9.3	3 1	7 20	0 4	0 0	0 1	0 1	0 1	0 9	1 11	9 9	7 0	0 0	0 10	20 0	0 4	4 4	3 1	0 3	2 4	3 7	8 8		
December ..	..	9 1012.6	21 1013.0	43.0 42.7	1.1 1.0	8.5 8.6	91 91	8.8 8.7	5 6	2 24	0 2	0 0	0 0	0 0	0 0	0 0	0 2	10 11	8 0	1 0	0 19	12 0	0 1	3 4	7 1	4 4	8 4	1 3			
For Year	..	9 1013.2	21 1013.4	48.1 47.8	1.9 1.0	10.0 10.0	86 86	8.1 8.3	82 82	84 51	200 233	0 0	0 1	5 3	2 2	4 4	11 15	89 118	133 126	17 12	2 3	135 233	0 0	36 27	54 59	42 31	29 48	45 23	50 38	88 95	

WEATHER REPORT, 1933.

BAROMETER.

The largest monthly range of barometer readings for the year occurred during the month of January, which month was also the wettest of the year. But the barometer was also rather erratic during December, which was one of the driest months. During the driest month, September, the barometer was high but steady. But it was also high and steady during May, which was a fairly wet month. From this we may conclude that whether the barometer is high or low, steady or erratic, it does not influence the rainfall.

The highest reading for the year was 30.600 on 6th December, and the lowest 28.716 on 2nd January, giving an extreme range for the year of 1.884.

MONTHLY RANGE OF BAROMETER READINGS FOR YEAR.

Month	High	Date	Low	Date	Range	Remarks
January	30.548	24	28.716	2	1.832	Very erratic
February	30.490	11	28.862	1	1.528	Erratic at first, steady later
March	30.264	26	28.760	17	1.504	Low all month
April	30.312	14	29.424	27	.888	High, steady
May	30.058	22	29.392	7	.666	Very steady
June	30.238	9	28.934	18	1.304	Rather erratic
July	30.464	3	29.190	13	1.274	Rather erratic
August	30.228	3	29.236	17	.992	High, steady
September	30.386	8	29.401	23	.986	High, steady
October	30.312	2	28.976	9	1.336	Erratic, fairly high
November	30.144	3	29.070	15	1.074	Steady, fairly high
December	30.600	3	29.124	28	1.476	Erratic

TEMPERATURE.

MONTHLY READINGS.

Month.	Mean temperature.	Deviation from normal.
January	38.6°	-0.9°
February	39.6°	-0.3°
March	44.2°	+2.9°
April	46.9°	+1.4°
May	50.7°	+0.3°
June	57.3°	+1.5°
July	60.1°	+2.4°
August	58.3°	+1.2°
September	56.4°	+2.3°
October	49.1°	+0.9°
November	43.1°	-0.5°
December	40.1°	-0.2°

Mean Maximum for year, 54.0°
Mean minimum for year, 43.4°
Mean maximum and minimum for year, ... 48.7°
Deviation from Normal, +0.9°

Highest reading in screen, 80° on June 25.
Lowest reading in screen, 27° on January 18.
Highest reading in sun, 119° on June 25.
Lowest reading on grass, 23° on January 17, 18,
24, February 23, and December 10.

GENERAL.

THUNDERSTORMS.—There were no very severe thunderstorms during the year. Two, accompanied by lightning, were observed on the 25th June and 7th July. Lightning alone was observed on the 3rd January, and thunder in the distance on 22nd May.

HAIL.—There were 14 days when hail was reported, and four days with snow, which on one occasion only lay, on the 30th January, when the depth was 1½ ins.

FOG.—Fog was reported on nine occasions, three in January, two in February, one in March, one in September, and

two in December. Of these, the December one was the most dense.

GALES.—The wind reached gale force on only one day during the year, on 2nd January. This was also the date on which the lowest barometer reading for the year was reported. The gale was from the south, not very severe, and accompanied by rain.

WIND.—Reporting the direction twice daily, giving a total number of 730 readings, the individual direction totals and percentages were:—N. 54 (7.4%), N.E. 122 (16.7%), E. 87 (12.0%), S.E. 107 (14.7%), S. 60 (8.2%), S.W. 52 (7.1%), W. 83 (11.3%), N.W. 165 (22.6%).

HUMIDITY.—Dry Bulb, 48.6°. Depression of Wet Bulb, 1.8°. Vapour pressure, 10.4 mbs. Relative Humidity, 87%.

The past year can be briefly and accurately described as "average."

The temperature during the first two and the last two months was below normal, the remaining months being slightly above normal, while for the whole year the temperature was only 0.9° above normal, but in this respect it was 0.7° above the average for 1932.

There was a decided improvement in the total rainfall for the year—13.72 ins. below last year's total and 10.45 ins. below the average for the years 1900-1932, and if this improvement continues, as we certainly hope it will, Bute will lose its "watery" reputation, but it should prove even more popular as a watering place.

There were no very severe gales, only one day of really bad fog, very little frost, and practically no snow.

The sunshine records show a decrease of 4.7 hours on the total for 1932. The daily average was 3.38 hours. On several days fairly high sun temperatures were recorded, the highest being 119° on 25th June.

RAINFALL.

Comparing the rainfall for 1933 with the average yearly fall for the period 1900-1932, last year's fall was 10.45 ins. below this average.

The total fall for the year was 44.73 ins., which is 13.72 ins. below the total for 1932, and 20.03 ins. below the total for 1931.

The greatest fall in 24 hours for the year occurred on 4th February, when 1.31 ins. fell. There were only two other days during the year when more than 1 in. was recorded. On 2nd April, 1.02, and on 30th July, 1.08 ins.

There were 215 wet days, which is 21 less than 1932, 56 less than in 1931, and 35 less than the average for the period 1900-1932.

January was again the wettest month, with a fall of 5.35 ins.

September was the driest month, with 1.19 ins., and as far as our records go, the fall for this particular month has been lower on only two occasions in 1894 when only .11 ins. were recorded and in 1865 when 1.00 ins. fell.

Comparing the monthly totals with the monthly normals, March, June, August, September, October, November and December are all below normal, while the remaining months of January, February, April, May, and July are all above normal.

July was above normal to the extent of 1.02 ins., while September was below normal by 2.88 ins. November was 1.26 ins., and December 2.46 ins. below the respective normals.

The longest spell of continuous dry days was from 4th to 17th September—13 days.

SUMMARY.

BAROMETER.

Highest reading, 30.600 on 6th December.
Lowest reading, 28.716 on 2nd January.

TEMPERATURE.

Mean maximum for year, 54.0
Mean minimum for year, 43.4
Mean maximum and minimum for year, 48.7
Highest reading in screen, 80 on June 25.
Lowest reading in screen, 27 on January 18.
Highest reading in sun, 119 on June 25.
Lowest reading on grass, 23 on January 17, 18, 24,
February 23, December 10.

RAINFALL.

Month,	Fall.	Fall, 1932.	Rain Days.	Rain Days, 1932.
January	5.35	10.07	17	28
February	4.87	.22	21	6
March	3.10	3.10	19	15
April	3.80	5.04	18	25
May	3.34	2.97	19	16
June	3.05	1.83	12	9
July	4.98	4.48	22	27
August	4.58	4.39	25	22
September	1.19	5.26	7	24
October	3.93	8.95	22	28
November	3.81	4.91	17	16
December	2.73	7.23	16	20
Totals,	44.73	58.45	215	236

SUNSHINE.

Total number of hours, 1933, 1234.3 hours.
Total number of hours, 1932, 1239.0 hours.

Summary of Records of Temperature, Rainfall, Sunshine, and Weather Observations for Various Months and Year.

Summary of Records of Temperature, Rainfall, Sunshine, and Weather Observations for Various Months and Year.																															
Y E A R 1933	Month	AIR TEMPERATURE IN DEGREES FAHRENHEIT.										RAINFALL				WEATHER					BRIGHT SUNSHINE										
		Hours of Observation		Height of Station above M. S. L.	Means of A and B				Deviation from Normal	Absolute Maximum and Minimum		Earth Temperature		Total Fall		Deviation from Normal		Most in a Day		Precipitation	Number of Days					Hours per Day					
					Max.	Min.	A	B		°F.	°F.	°F.	°F.			in.	in.	Amount	Date		0.1 or More	0.4 or More	Snow	Snow Lying	Hail			Thunderstorm	Fog.	Ground Frost	Gale
January	..	9 21	200	42.6	34.6	38.6	-0.9	54	8	27	18 37.9	43.5	5.35	+37	in. .82	2	17	16	2	1	3	0	1	14	1	hrs. 1.58 +0.60	21				
February	..	9 21	200	44.5	34.7	39.6	-0.3	54	8	28	18 23.38	42.0	4.87	+37	1.31	4	21	18	2	0	3	0	2	13	0	hrs. 2.62 +0.55	28				
March	..	9 21	200	50.0	38.4	44.2	+2.9	57	11	31	19 41.3	42.6	3.10	-47	.90	8	19	16	0	0	2	0	1	4	0	hrs. 3.39 +0.08	29				
April	..	9 21	200	52.1	41.8	46.9	+1.4	57	16	29	19 47.3	46.0	3.80	+33	1.02	2	18	14	0	0	1	0	0	3	0	hrs. 2.98 -1.70	21				
May	..	9 21	200	57.0	44.3	50.7	+0.3	70	22	38	2 52.7	49.2	3.34	+31	.62	6	19	16	0	0	0	1	0	0	0	hrs. 4.51 -1.42	28				
June	..	9 21	200	64.5	50.1	57.3	+1.5	80	25	45	17 60.2	54.2	3.05	-0.4	.77	17	12	11	0	0	0	1	0	0	0	hrs. 6.32 +0.52	36				
July	..	9 21	200	66.6	53.6	60.1	+2.4	78	5	49	3 22	62.0	4.98	+1.02	1.08	30	22	18	0	0	0	1	0	0	0	hrs. 4.86 -0.51	29				
August	..	9 21	200	64.1	52.5	58.3	+1.2	75	5	48	21 23.60	57.3	4.58	-31	.82	31	25	21	0	0	0	0	0	0	0	hrs. 4.64 +0.32	31				
September	..	9 21	200	62.4	50.4	56.4	+2.3	70	5	43	14 57.0	56.7	1.19	-2.88	.60	19	7	6	0	0	0	0	1	0	0	hrs. 5.62 +2.13	44				
October	..	9 21	200	53.9	44.4	49.1	+0.9	60	5	34	28 50.1	53.3	3.93	-47	.83	15	22	20	0	0	2	0	0	1	2	hrs. 1.82 -0.97	17				
November	..	9 21	200	46.9	39.2	43.1	-0.5	53	1 6 7	33	17 25	26 43.1	48.6	3.81	-1.26	.95	14	17	12	0	0	2	0	0	1	hrs. 1.74 +0.41	21				
December	..	9 21	200	43.2	36.8	40.0	-0.4	49	22	29	11 40.1	44.7	2.73	-2.46	.53	31	16	12	0	0	2	0	2	10	0	hrs. 0.57 -0.21	8				
For Year	..	9 21	200	54.0	43.4	48.7	+0.9	80	25/6	27	18/1	49.2	49.6	44.73	10.45	1.31	4/2	215	150	4	1	15	3	7	64	hrs. 3.28 ..	278				

SUMMARY OF RECORDS OF TEMPERATURE, RAINFALL, SUNSHINE, AND WEATHER OBSERVATIONS FOR VARIOUS MONTHS AND YEAR.

YEAR 1933.	MEAN TEMPERATURE and HUMIDITY										CLOUD AMOUNT										No. of Observations.										Force of Wind.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	PRESSURE					TEMPERATURE and HUMIDITY					No. of Observations					Fog					Haze or Mist					Good Vis.					8 or more					1 to 3					Calm					N					NE					E					SE					S					SW					W					NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Hours of Observation.					At Mean Sea Level					Depression of Wet Bulb					Vapour Pressure					Relative Humidity					Mean Amount					0 to 6					7 to 9					10					1					2					3					4					5					6					7					8					9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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WEATHER REPORT, 1934.

By ARCHD. FINLAY.

GENERAL.

The year has been remarkable for the phenomenal mildness, February and November are notable for the pronounced deficiency of rainfall.

February, 1934, ranks as one of the driest Februaries on record, and this has been the case not only in Bute, but throughout the British Isles. The weather of March was unsettled on the whole, and rather cold, with variable rainfall. April is notable for long periods of east or north-easterly wind, outstanding periods being from 29th March to 12th April, and from the 25th until the end of the month.

June was dry on the whole, although heavy rain occurred on the 8th between 14 hours and 16 hours, during a thunderstorm, and also on the 18th, 21st and 22nd. July was exceptionally dry and sunny, being the record month of July for sunshine. The total number of hours of sunshine, 223, is very high.

Rain started in August, and this continued to a very wet autumn, the rainfall during August, September and October being much above the average.

October was the wettest month of the year, 9.76 inches being recorded, also the greatest fall for one day, i.e., during 24 hours, was on 25th October, when 1.60 inches fell. November was distinguished by a marked deficiency of rain, and was also mainly quiet, with much fog, the period from the 13th to the 15th being especially notable in this respect.

From a meteorological point of view, December was the most interesting month of the year. It was markedly dull,

excessively wet, and phenomenally mild. This will be noted from the remarkably low figure of 3 per cent. in the Summary of Sunshine records.

THUNDERSTORMS.—The number of thunderstorms during 1934 was above the average, 11 being recorded, whereas 7 is the average number.

THE TOTAL RAINFALL for 1934 was 58.14 inches. This figure is much above the average, and also the increase is 13.41 inches more than 1933. The number of rain days, 263, is also much above the number for the previous year, when only 215 rain days were recorded.

BAROMETER IN INCHES.

Month	Highest Reading	Date	Lowest Reading	Date	Range
January	30.670	31	28.736	17	1.834
February	30.756	15	29.484	24	1.272
March	30.158	25	28.400	17	1.758
April	30.076	2	29.092	23	.984
May	30.238	10	29.192	6	1.046
June	30.264	2	29.284	21	.980
July	30.240	8	29.330	31	.910
August	30.076	26	29.384	20	.692
September	30.240	12	29.220	3	1.020
October	30.192	16	28.774	4	1.418
November	30.034	24	29.174	13	.860
December	29.786	1	28.476	15	1.310
For Year	30.756	Feb. 15	28.400	March 17	2.356

METEOROLOGICAL EXTREMES.

The following records, which have been supplied to me by the kindness of the Meteorological Office at Edinburgh, will be of much interest.

These tables give the wettest and driest months and year as recorded at Rothesay from January, 1800—December, 1934.

The most rain recorded in a single day, i.e., during 24 hours, during the period from January, 1914—December, 1934, was 2.28 ins., on 15th May, 1922.

RAINFALL FROM JANUARY, 1800, TO DECEMBER, 1934.

MONTH	WETTEST		DRIEST	
	TOTAL	YEAR	TOTAL	YEAR.
January	inches 10'43	1928	inches '46	1881
February	9'88	1811	'22	1932
March	8'20	1841	'24	1808
April	6'90	1867	'10	1873
May	7'79	1925	'10	1844
June	8'50	1872	'05	1821
July	8'45	1846	'20	1863
August	10'50	1861	1'28	1800
September	8'90	1872	'11	1894
October	10'50	1917	'77	1805
November	10'45	1931	'95	1802
December	11'37	1929	'40	1844
Year	72'70	1928	31'50	1855

The second table gives the sunshine records as from January, 1914—December, 1934. The month of December, 1934, calls for particular attention owing to the remarkable deficiency of sunshine, only 6 hours of sunshine being recorded during the whole month.

SUNSHINE RECORDS, 1914—1934.

Month	Sunniest		Most Sunless	
	No. of hours	Year	No. of hours	Year
January	55	1929	16	1925
February	92	1932	22	1914
March	174	1929	61	1928
April	200	1922	89	1933
May	265	1935	125	1925
June	276	1925	100	1931
July	223	1934	81	1931
August	189	1931	98	1918
September	169	1933	85	1917
October	128	1922	45	1921
November	89	1915	20	1920
December	47	1923	6	1934
For Year... ..	1496	1915	1093	1931

Summary of Records of Temperature Rainfall, Sunshine, and Weather Observations for Various Months and Year.

Y E A R		AIR TEMPERATURE IN DEGREES FAHRENHEIT.										RAINFALL				WEATHER					BRIGHT SUNSHINE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Month	Rain	Hours of Observation	Height of Station above M. S. L.	Means of			Deviation from Normal		Absolute Maximum and Minimum		Farther		Total Fall			Deviation from Normal			Most in a Day			Number of Days					Hours per Day	Per Cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				A	B	Max	Min.	of	of	of	of	Date	Minimum	Date	1 ft. & ft.	in	in	in	in	Amount	Date	0.1 or More	0.4 or More	Snow	Snow Lying	Hail			Thunderstorm	Fog.	Morning Observation	Ground Frost	Gale	Daily Mean	Deviation from Normal																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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