

SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

JANUARY 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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General Summary.—The weather for January was quiet for the time of year, although pressure was as a whole below the average; depressions were few in number and of no great depth; temperature was somewhat low. The wind was more Northerly than usual; gales were frequent in the north and north-west, but were not severe; and, except in Scotland (where heavy snows and rains occurred at times), the rainfall was deficient. Bright sunshine was in excess of the average,* except in the north of Scotland, but at no station did the duration amount to one third of what might have been recorded had the sky been continuously clear.

Pressure.—*Mean for the Month at 8 a.m.* varied from 29·9 ins. and more over the south of Ireland and the western parts of the English Channel to about 29·5 ins. over the Shetland Islands. It was therefore somewhat below the average* for January over Great Britain, but rather in excess in the south of Ireland. Gradients were a little steeper, and were favourable for winds from a more westerly point than the normals. *Highest* readings occurred on the 25th or 26th, when the barometer rose to 30·5 ins. and more over the south-western and southern parts of the kingdom. *Lowest* occurred in the north on the 6th, and in the west and south on the 16th, when a deep depression lay over the Atlantic, not far from the Irish coast. *Range* was moderate for the time of year.

Depressions.—The depressions which passed directly over our Islands were few in number and small in size, and were mostly secondary to larger systems lying over northern Europe. They were short-lived and dispersed soon after leaving our shores. The formation and dispersal of such systems within our area have formed a marked feature of the barometric changes of the month.

Anticyclones.—The only well-defined anticyclonic system which spread fairly over our Islands was that of the 25th–26th in which the barometer rose to 30·5 ins. and more over our south-western districts, and subsequently exceeded 30·7 ins. over the Bay of Biscay and Spain. On the 13th, however, there was a secondary anticyclone developed very temporarily over Ireland and England, and in which the barometer did not rise to much above 29·8 ins. at any station.

Winds.—The winds were chiefly Westerly to Northerly, the former being the more prevalent of the two at the southern station, the latter in the extreme north. They were often strong in force; both on our northern and extreme north-western coasts the number of gales (of force 7 and more) was large, viz., 10 to 17, while in the south there were only two or three.

Temperature.—*Mean at sea level* ranged from between 42° and 43° in the extreme south-west of Ireland and England, and in the Channel Islands, to less than 35° over the northern parts of Scotland (inland), the north-east of England, Lincolnshire, and the Fen districts, as well as at Llandovery, and to rather below 37° over the inland parts of the north of Ireland. The distribution was quite winterlike. These values show, when compared with the averages* for January in the 20 years 1871–90, a deficiency of 1° to 3° over Great Britain and the north of Ireland as a whole, and a rather larger quantity over the south-west of Ireland and South Wales. *Lowest* readings were recorded in the western and north-western districts between the 8th and 11th, but in the north-eastern and eastern districts between the 13th and 16th; the lowest of all were 7° at Bawtry and Lairg, 9° at Fort Augustus, and 10° at Nairn and Rothamsted. *Highest* were recorded in almost all places between the 29th and 31st, and were as high as 56° to 59° at some Scotch and Irish stations. *Range* was therefore rather large in the west and north, but moderate elsewhere. *Vapour Tension* varied from 0·18 in. and less over the inland parts of England and east of Scotland, and from 0·20 in. and less over central Ireland to nearly 0·23 in. in the western, southern, and eastern parts of Ireland and to 0·26 in. in the Scilly Islands. *Relative Humidity* was 80 per cent. in the east of Scotland, 85 per cent. at Valencia Island, and less than 90 per cent. over North Wales and Central England, but exceeded 95 per cent. along the south coast of England and in the Hebrides.

Rainfall was slightly in excess of the average* in most parts of Scotland, but deficient elsewhere. The largest aggregates recorded were 14·6 ins. at Glencarron, 12·3 ins. at Laudale, 9·1 ins. at Fort William, and 6·3 ins. at Belmullet; the smallest 0·4 in. at Dungeness, 0·5 in. in London, at the North Foreland, and at Spurn Head, 0·6 in. at Oxford, and 0·8 in. at Rothamsted, Cambridge, Geldeston, and Leith. The heaviest falls in 24 hours were 4·3 ins. at Glencarron on the 28th, 3·3 ins. at Laudale and 2·0 ins. at Fort William, 1·3 ins. at Ochertyre on the 17th, and at Aberdeen on the 18th.

Bright Sunshine was in excess of that usually experienced in January, except in the northern parts of Scotland, where there was a deficiency. The per centage of the possible duration which was actually registered, however, varied from between 30 and 32 per cent. at our south coast stations, and from between 20 and 25 per cent. in many parts of England, and on the eastern coasts of Ireland and Scotland, to only 12 per cent. at Glasgow, 11 per cent. at Stornoway and Fort William, 9 per cent. at Fort Augustus and in London, 8 at Blackpool, and 6 per cent. at Braemar.

* The averages employed are—*Pressure and Temperature* for the 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; *Bright Sunshine* for the 10 years, 1881–90.

SUMMARY OF OBSERVATIONS, JANUARY 1892.

TABLE I.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Number of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29° 51' 1	ins. -0° 16' 4	37° 7	33° 9	40° 4	37° 2	-2° 1	22	6th	48	29th
	Wick	29° 58' 8	-0° 13' 1	37° 1	31° 5	24° 10	36° 3	-1° 6	23	7th, 8th	55	29th
	Stornoway	29° 61' 8	-0° 06' 4	37° 5	30° 9	41° 6	36° 3	-2° 6	22	15th	53	29th
1. SCOTLAND, E.	Nairn	29° 64' 3	-0° 10' 2	35° 9	29° 4	41° 2	35° 3	-2° 3	10	13th	55	29th
	Aberdeen	29° 67' 6	-0° 11' 1	36° 0	31° 9	41° 5	36° 7	-1° 1	20	13th	58	29th
	Leith	29° 72' 8	-0° 09' 7	35° 4	31° 6	42° 4	37° 0	-2° 1	26	13th, 15th, 16th	55	29th
2. ENGLAND, N.E.	Shields	29° 73' 9	-0° 14' 2	36° 7	30° 7	41° 7	36° 2	-2° 4	21	17th	55	29th
	York	29° 80' 5	-0° 12' 7	35° 3	29° 6	40° 8	35° 2	-2° 4	14	16th	53	29th
	Spurn Head	29° 77' 3	-0° 15' 3	36° 7	33° 1	40° 3	36° 7	-1° 4	25	9th	50	29th
3. ENGLAND, E.	Yarmouth	29° 80' 4	-0° 17' 5	35° 6	30° 8	39° 7	35° 5	-2° 4	22	10th	52	29th
	Cambridge	29° 86' 2	-0° 13' 1	33° 8	28° 1	41° 1	34° 6	-2° 9	14	12th	54	29th, 30th
4. MIDLAND COUNTIES	Loughborough	29° 87' 5	-0° 09' 4	34° 3	30° 3	41° 3	35° 8	-1° 9	28	12th, 16th	55	30th
	Oxford	29° 88' 0	-0° 11' 9	34° 6	30° 5	41° 2	35° 9	-2° 5	19	16th	51	29th, 31st
5. ENGLAND, S.	London	29° 87' 2	-0° 13' 4	35° 5	31° 1	42° 3	35° 7	-2° 3	23	5th, 12th, 13th	53	29th, 30th
	North Foreland	29° 85' 1	-0° 15' 9	37° 1	33° 0	41° 6	37° 3	-1° 9	26	10th	51	30th
	Dungeness	29° 84' 8	-0° 16' 4	35° 6	30° 1	42° 8	36° 5	-3° 2	17	10th	51	29th
	Hurst Castle	29° 89' 7	-0° 10' 5	37° 9	33° 7	43° 5	38° 6	-2° 1	22	10th	51	29th
6. SCOTLAND, W.	Ardrossan	29° 75' 7	-0° 08' 1	38° 5	34° 3	42° 1	38° 2	-2° 1	24	10th	53	29th
7. ENGLAND, N.W.	Hawes Junction*	28° 53' 7	?	31° 6	27° 0	35° 9	31° 5	?	15	8th, 16th	49	29th
	Liverpool	29° 83' 4	-0° 09' 0	36° 2	33° 4	41° 1	37° 3	-2° 1	22	16th	52	29th
	Holyhead	29° 83' 6	-0° 06' 6	40° 4	37° 4	43° 8	40° 6	-1° 6	30	9th, 10th	53	29th
8. ENGLAND, S.W.	Pembroke	29° 88' 1	-0° 05' 5	41° 0	37° 6	43° 9	40° 8	-1° 8	25	10th	50	29th
	Prawle Point	29° 92' 1	-0° 08' 5	39° 1	34° 9	44° 8	39° 9	-2° 0	25	9th, 10th	53	24th, 25th
9. IRELAND, N.	Malin Head	29° 74' 1	-0° 07' 4	38° 4	35° 1	42° 2	38° 7	-1° 6	29	8th	49	26th, 29th
	Donaghadee	29° 80' 4	-0° 05' 2	37° 5	33° 8	42° 4	38° 1	-2° 2	26	15th	55	29th
	Mullaghmore	29° 81' 6	-0° 00' 1	39° 4	35° 5	43° 0	39° 3	-2° 8	28	10th	51	26th
	Belmullet	29° 81' 6	-0° 00' 4	40° 8	36° 8	44° 1	40° 5	-2° 4	29	8th, 9th, 10th	51	29th
10. IRELAND, S.	Parsonstown	29° 88' 1	-0° 01' 4	35° 8	31° 2	42° 6	36° 9	-3° 0	13	10th, 11th	52	28th, 29th, 30th
	Valencia	29° 91' 5	+0° 02' 8	42° 7	38° 3	47° 2	42° 8	-3° 2	31	10th, 11th	52	22nd, 23rd, 26th, 27th, 29th, 31st, 29th
	Roche's Point	29° 90' 4	-0° 00' 4	40° 9	36° 6	45° 6	41° 1	-2° 5	26	10th	56	
CHANNEL ISLANDS	Scilly (St. Mary's)	29° 90' 7	-0° 06' 2	44° 3	40° 1	46° 9	43° 5	-2° 4	31	10th	52	18th, 19th, 27th
	Jersey	29° 93' 8	-0° 08' 4	41° 9	37° 7	46° 5	42° 1	0° 0	23	11th	52	28th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

SUMMARY OF OBSERVATIONS, JANUARY 1892.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of JANUARY 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
in. 0.200	% 89	8.6	ins. 3.94	ins. +0.22	ins. 0.39	28th	29	5	0	0	0	22	10	9	0	0	4	4	3	5	5	1
197	89	8.3	4.33	+2.28	0.50	8th	27	6	1	0	0	19	13	5	1	0	3	4	3	6	9	0
214	96	9.1	3.15	-2.15	0.40	8th	26	8	0	0	0	25	14	7	1	0	2	1	7	8	5	0
187	88	7.6	2.48	+0.49	0.49	7th	22	7	1	0	1	15	3	2	1	2	2	0	7	10	2	5
172	80	6.7	3.52	+1.21	1.33	18th	21	13	2	1	0	8	15	0	0	1	4	3	9	9	5	0
194	90	6.6	0.83	-1.10	0.21	18th	12	3	1	0	2	12	2	0	1	2	1	2	10	11	2	2
185	85	7.2	1.50	-0.25	0.60	9th	11	7	1	0	2	12	6	2	0	0	2	6	5	10	6	0
185	90	6.9	1.05	-0.82	0.45	10th	12	3	0	0	8	16	0	5	0	4	2	2	1	15	1	1
196	90	7.9	0.49	-0.86	0.14	27th	10	4	0	0	2	15	3	1	1	2	3	2	6	12	4	0
192	92	6.2	1.11	-0.84	0.31	5th	16	6	0	0	3	7	3	1	4	2	4	0	3	12	5	0
180	92	6.4	0.84	-0.70	0.18	8th	13	6	1	0	4	13	0	6	0	1	4	1	8	6	5	0
176	88	8.0	1.00	-1.04	0.14	10th	18	10	0	0	3	16	6	0	2	3	3	1	3	11	7	1
183	91	6.8	0.59	-1.67	0.10	10th	17	5	0	0	9	18	0	4	3	4	2	1	6	10	1	0
182	87	5.6	0.50	-1.63	0.09	6th	14	7	2	0	10	12	2	2	1	2	3	2	5	11	3	2
207	94	7.3	0.45	?	0.18	27th	12	6	0	0	6	18	1	0	1	1	5	1	3	12	8	0
199	96	6.3	0.38	-2.20	0.08	22nd	12	3	0	0	2	5	5	6	2	1	3	3	3	8	5	0
219	97	5.6	1.07	-1.87	0.58	16th	12	3	0	0	5	4	3	4	6	3	1	1	1	10	5	0
215	93	6.7	2.53	-1.72	0.52	17th	19	4	0	0	4	15	7	3	7	3	1	1	6	7	3	0
172	96	7.6	4.92	?	0.82	27th	23	9	0	0	3	20	0	2	4	4	1	5	10	2	1	2
186	87	7.9	2.77	+0.55	0.38	17th	22	7	4	0	4	19	2	3	1	3	7	0	4	9	4	0
228	91	6.9	2.73	-0.65	0.46	8th	21	4	0	0	0	9	1	3	3	1	1	1	6	6	7	3
235	92	7.2	1.88	-1.87	0.37	16th	20	3	1	0	0	11	4	2	2	4	3	1	3	6	10	0
227	95	6.2	0.97	-2.12	0.18	22nd	17	4	2	0	1	11	3	4	2	2	1	2	1	11	8	0
208	90	7.1	1.71	?	0.20	28th	23	5	5	0	2	18	8	5	1	0	3	6	8	3	5	0
210	94	5.6	3.00	+0.02	0.48	7th	27	3	0	0	2	9	8	2	3	0	2	4	7	6	7	0
210	87	7.7	3.12	-1.24	0.34	26th	27	7	8	0	1	12	15	4	0	4	3	3	7	5	5	0
231	92	8.2	6.33	?	0.70	21st	30	6	6	1	3	21	11	6	1	1	4	3	4	6	6	0
195	93	7.8	1.67	-1.45	0.56	16th	14	2	0	0	1	18	0	0	1	0	3	0	6	1	1	19
233	85	7.1	5.10	-1.59	0.89	15th	28	3	6	0	0	16	3	6	2	3	3	3	4	5	3	2
226	89	5.3	3.59	-1.91	0.65	20th	14	2	1	0	0	5	6	4	1	1	4	2	3	7	9	0
255	88	6.3	1.91	-1.82	0.37	16th	20	2	5	1	1	6	2	2	5	2	3	1	2	7	9	0
219	83	7.2	1.78	-1.43	0.23	5th	24	8	4	1	1	14	5	2	3	2	3	0	3	6	10	2

Barometer at this station is not reduced for altitude.

TABLE II.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of JANUARY 1892.

STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	40	38	33	-3	7	11th	51	29th	26	4'92	+1'42	0'80	28th	25'0	-2'0	11	-1
LAIRG	27'2	38'9	33'1	-3'1	7	11th	51	29th	23	14'61	+4'56	4'33	28th	—	—	—	—
GLENCARRON	29'4	39'6	34'5	-2'8	12	15th	51	28th, 29th	26	5'56	+0'93	1'08	7th	19'9	?	9	?
FORT AUGUSTUS	29'8	41'2	35'5	-3'1	9	13th	53	29th	25	9'06	-0'87	2'03	28th	24'2	?	11	?
FORT WILLIAM	33'4	42'4	37'9	-1'5	17	13th	55	29th	—	—	—	—	—	54'9	0'0	24	0
ABERDEEN	—	—	—	—	—	—	—	—	—	—	—	—	—	13'7	?	6	?
BRAEMAR	28'1	37'9	33'0	-1'6	13	15th	50	29th, 30th	18	2'50	-0'60	0'44	7th	43'0	?	19	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
OCHTERTYRE	28'9	41'2	35'1	-1'5	15	12th	59	29th	18	3'12	-2'08	1'32	17th	—	—	—	—
MARCHMONT	28'8	39'9	34'4	-2'0	21	13th	57	30th	12	1'89	-0'85	0'40	18th	51'8	?	22	?
ALNWICK CASTLE	32'2	40'6	36'4	-1'3	24	14th	53	28th	13	1'61	-0'50	0'49	18th	—	—	—	—
DURHAM	29'6	39'9	34'8	-2'0	17	7th, 8th	55	29th	15	1'91	-0'13	0'99	9th	47'6	+5'2	20	+2
SCARBOROUGH	32'4	40'2	36'3	-2'3	21	8th	56	29th	14	1'38	-0'56	0'27	8th, 10th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	39'2	?	16	?
YORK	—	—	—	—	—	—	—	—	—	—	—	—	—	34'0	+8'4	14	+3
HILLINGTON	30'1	39'9	35'0	-2'0	16	9th	53	29th	12	1'08	-0'83	0'25	5th	50'8	+8'3	21	+4
GELDESTON	30'0	41'0	35'5	-2'7	16	10th	53	29th	16	0'84	-0'74	0'20	9th, 10th	54'6	+1'5	22	+1
CAMBRIDGE	—	—	—	—	—	—	—	—	—	—	—	—	—	56'0	+8'8	22	+3
ROTHAMSTED	28'3	40'1	34'2	-2'9	10	16th	52	29th	17	0'83	-1'79	0'14	22nd	47'3	?	19	?
BAWTRY	28'9	40'3	34'6	-2'8	7	15th	54	29th	16	0'94	-0'96	0'14	10th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	43'6	+8'2	18	+4
STAMFORD (KETTON HALL).	27'6	40'4	34'0	-3'4	12	12th	53	29th, 30th	17	1'25	-0'68	0'35	10th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	55'1	+22'5	22	+9
CHREADE	29'8	38'4	34'1	-2'5	19	9th	51	29th	20	2'63	-0'06	0'50	6th	—	—	—	—
CHURCHSTOKE	29'4	40'1	34'8	-3'1	12	12th	51	29th, 30th, 31st	16	1'91	-0'95	0'33	16th	60'5	+16'6	25	+7
HEREFORD	30'7	41'3	36'0	-2'6	14	12th	52	29th, 30th	14	1'90	-0'63	0'57	18th	—	—	—	—
CIRENCESTER	28'7	40'4	34'6	-2'9	16	12th	51	29th	16	1'03	-2'14	0'20	19th	† ?	† ?	† ?	† ?
OXFORD	—	—	—	—	—	—	—	—	—	—	—	—	—	55'8	+14'5	22	+6
LONDON	—	—	—	—	—	—	—	—	—	—	—	—	—	22'9	-1'5	9	0
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	51'6	?	20	?
STRATHFIELD TURGISS	29'7	41'5	35'6	-2'2	19	12th, 13th	51	29th, 30th	14	0'70	-1'80	0'11	6th	—	—	—	—
HASTINGS	32'6	41'8	37'2	-2'7	23	10th	50	31st	?	0'61	-2'26	?	?	81'3	+25'2	32	+10
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	82'0	?	32	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	60'2	?	25	—
WESTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	65'5	?	23	?
SOUTHAMPTON	32'9	43'4	38'2	-1'5	21	10th	54	31st	12	0'84	-2'50	0'35	16th	65'2	+19'7	25	+7
STOWELL	31'0	42'5	36'8	-1'6	17	10th	51	29th, 31st	21	2'42	?	0'64	17th	—	—	—	—
LAUDALE	32'1	42'9	37'5	-2'7	17	9th, 10th	53	29th, 30th	25	12'20	+3'29	3'28	28th	—	—	—	—
GLASGOW	33'1	40'2	36'7	-1'7	24	7th, 16th	51	29th, 30th	22	2'27	-1'96	0'46	28th	26'6	-6'6	12	+3
GLENLEE	31'9	40'5	36'2	-1'0	17	16th	55	29th	24	4'46	-3'41	0'65	28th	—	—	—	—
DOUGLAS	34'4	42'6	38'5	-2'0	25	11th, 15th	52	29th	25	3'24	-1'47	0'34	21st	58'1	+16'3	24	+7
NEWTON REIGNY	29'2	39'1	34'2	-2'7	14	8th	52	29th	19	2'25	-1'60	0'29	18th, 28th	42'9	+1'6	18	+1
STONYHURST	31'2	38'9	35'1	-2'7	19	15th	48	29th, 30th	21	4'13	-0'05	0'63	27th	44'4	+13'2	18	+5
BLACKPOOL	32'9	40'4	36'7	-1'5	23	16th	48	1st	21	3'09	+0'07	0'44	19th	19'6	-11'8	8	-5
MANCHESTER	33'9	39'7	36'8	-1'0	24	8th, 15th	51	29th, 30th	23	4'29	+1'05	0'71	6th	—	—	—	—
LLANDUDNO	35'5	42'9	39'2	-2'3	27	15th, 16th	51	29th, 30th	18	2'73	-0'11	0'50	17th	47'8	+11'5	19	+4
LLANDOVERY	27'5	41'4	34'5	-5'8	3	10th	52	29th	22	3'05	-2'33	0'43	30th	—	—	—	—
PEMBROKE	—	—	—	—	—	—	—	—	—	—	—	—	—	56'2	+6'8	22	+2
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	48'0	?	19	?
ARLINGTON	31'5	41'6	36'6	-2'8	18	12th	48	31st	20	3'28	-1'14	0'44	16th	—	—	—	—
CULLOMPTON	31'4	43'3	37'4	-2'4	14	12th	52	31st	17	2'62	-0'81	1'04	16th	50'9	+14'7	20	+6
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	79'3	?	30	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	67'4	?	26	?
FALMOUTH	36'7	44'6	40'7	-3'1	26	10th	51	27th, 29th, 31st	20	2'52	-2'96	0'55	16th	80'3	+33'5	31	+13
PLYMOUTH	36'0	44'6	40'3	-1'8	27	5th, 9th, 15th	51	28th, 30th, 31st	20	1'87	-2'15	0'48	16th	67'8	-24'4	26	+9
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	35'4	?	13	?
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	66'5	+1'6	25	0
LONDONDERRY	33'0	43'1	38'1	-1'9	23	11th	54	29th	24	3'44	-0'60	0'60	6th, 7th	—	—	—	—
MARKREE CASTLE	30'8	41'9	36'4	-3'2	16	10th	53	29th	24	3'07	-0'38	0'39	7th	31'4	-10'8	13	-4
BROOKBOROUGH	30'4	41'3	35'9	-2'5	12	10th	52	29th	19	2'82	-1'60	0'33	8th	—	—	—	—
ARMAGH	31'1	41'6	36'4	-2'5	15	10th	55	29th	17	1'78	-1'12	0'37	8th	42'8	+0'7	18	+1
EDGEWORTHSTOWN	32'8	42'7	37'8	-1'1	25	11th	55	29th	17	1'28	-1'71	0'20	27th	—	—	—	—
ARLEY COTTAGE (Co. CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	44'3	?	18	?
DUBLIN	34'0	43'5	38'8	-2'9	22	10th	54	29th	20	1'70	-0'48	0'62	16th	61'3	+6'3	25	+3
PARSONSTOWN	—	—	—	—	—	—	—	—	—	—	—	—	—	37'0	-13'2	15	-5
KILKENNY CASTLE	31'3	42'6	37'0	-4'1	17	12th	54	29th	15	1'60	-1'92	0'37	16th	—	—	—	—
WATERFORD	32'7	44'0	38'4	-4'1	19	12th	57	29th	11	1'40	-3'21	0'46	16th	—	—	—	—
VALENCIA	—	—	—	—	—	—	—	—	—	—	—	—	—	57'7	+2'0	23	+7
KILLARNEY	32'1	44'8	38'5	-5'1	15	10th, 12th	55	29th	23	5'26	?	0'82	15th	—	—	—	—
FOYNES	35'6	44'0	39'8	-2'5	25	9th	53	23rd, 26th	23	2'70	?	0'44	15th	—	—	—	—

* For information, see Table I.

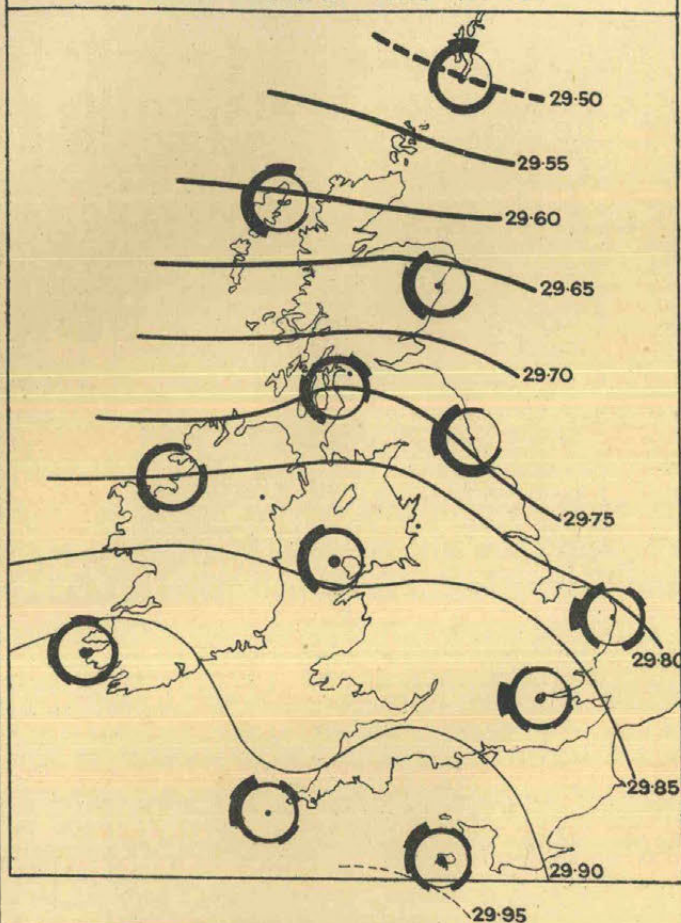
† Records doubtful during the greater part of the month.

MONTHLY WEATHER CHART, JANUARY, 1892.

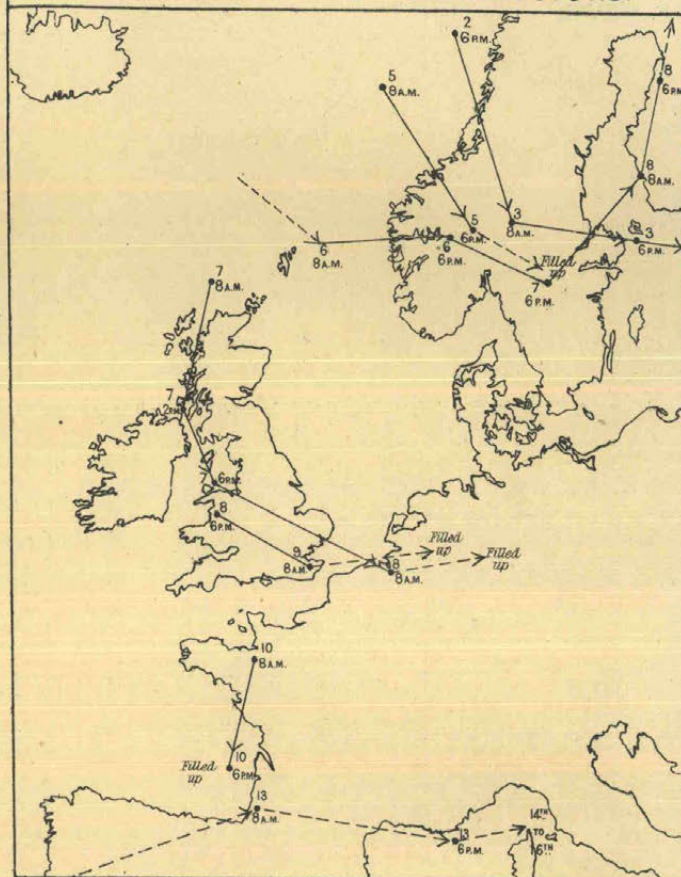
Monthly Summary.

Plate I.

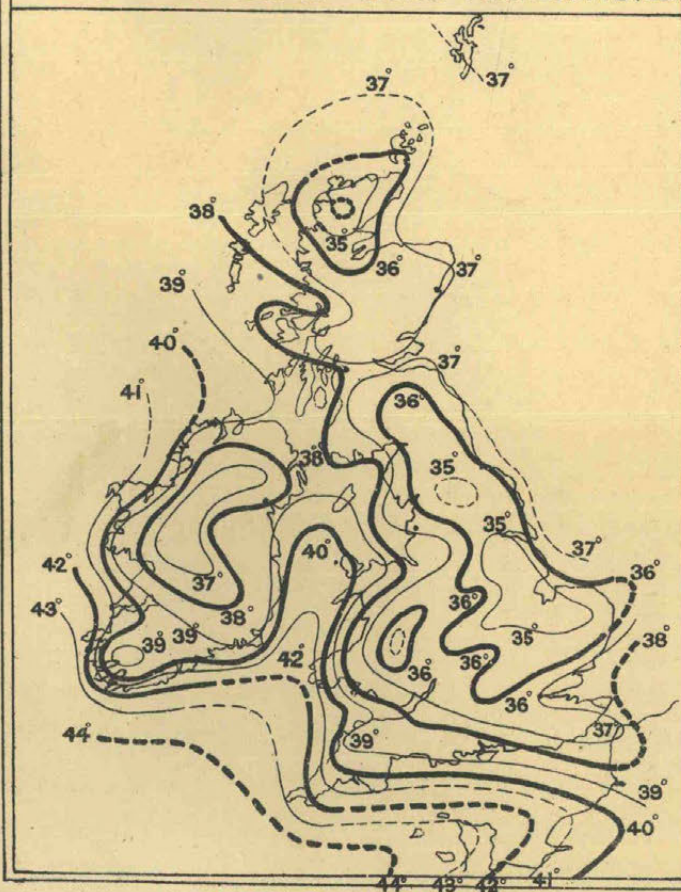
1. BAROMETER AND WIND.



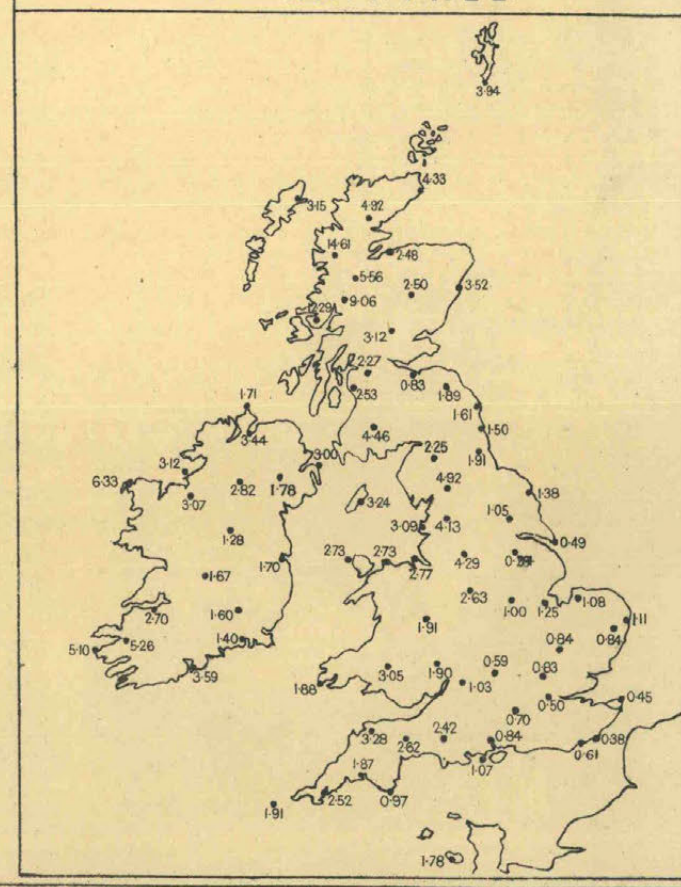
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



NAME OF THE LAND	ACRES

ERRATUM.

WEEKLY WEATHER REPORT, 1891.—MONTHLY SUMMARY FOR OCTOBER.

Rainfall of Waterford.—For “20” days and “6·20” inches, read “18” days and “5·47” inches.

1871

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE

FOR THE YEAR 1871

SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

FEBRUARY 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of February was very changeable. Pressure was, considerably below the average; temperature, as a whole, slightly below, but extremely low between the 17th and 19th, when the values were lower than during any other part of the winter, the minima being 3° below zero, Fahr., in some places. The winds were extremely variable; the rainfall very irregularly distributed, but bright sunshine was in excess of the mean.

Pressure.—*Mean for the month at 8 a.m.* varied from 29·8 ins. and more over the Channel and southern counties of England (29·83 ins. at Jersey), to 29·7 ins. and less in the north of Scotland and the Shetland Islands (29·67 ins. at Sumburgh Head). It was therefore below the average* everywhere, the deficiency varying from 0·21 in. on the extreme east coast of England to about 0·11 in. in the north of Scotland, and to only 0·08 in. at Stornoway. *Highest* readings were recorded on the 13th, when the barometer rose to 30·7 ins. and more in the west of Ireland and to between 30·7 ins. and 30·5 ins. over the other parts of the kingdom. *Lowest* were recorded—at the northern stations on the 1st, when the readings were below 28·1 ins. over the Shetlands, but at the eastern stations on the 18th, when the readings there were below 29·0 ins., and at the south-western stations on the 19th and 20th, when values below 28·9 ins. were registered. *Range* was very large, especially in the extreme north, where it amounted to 2·5 ins.

Depressions.—These were numerous, and varied greatly in intensity as well as in the directions in which they moved. For several of those which appeared over the eastern parts of our area of observation it has been found impossible to draw trustworthy tracks, on account of the suddenness with which the systems were developed and filled up again. The movements of the systems which appeared off our south-western coasts between the 19th and 22nd, also, are not sufficiently well-defined to be shown on Map 2, Plate II. The deepest was that of February 1st–2nd, which skirted our extreme northern coasts.

Anticyclones.—No anticyclone advanced directly over the kingdom, but the system whose eastern parts spread over us from the Atlantic between the 11th and 14th was noteworthy for its intensity; other systems of minor importance appeared, viz., (1) over the Bay of Biscay and south-western Europe during the earlier part of the month, (2) over northern Europe and Russia in the later part of the month.

Winds were extremely variable in direction. In the Shetlands and Hebrides they were mainly Northerly, but the Northerly current drew round to North-west and West on our north-east coasts and to North-east and East in the north-west. At the more southern stations no particular direction preponderated. Gales were somewhat numerous, there being seven to nine recorded at stations on our south and west coasts, eight at Spurn Head, nine at Aberdeen, and ten at Stornoway.

Temperature.—*Mean at Sea Level* ranged from about 45° at Jersey and Scilly and 43° in the south and south-west of Ireland, to rather below 37° over the eastern and northern counties of England, and to less than 36° over the inland parts of the north of Scotland. It was below the average* by a few degrees, the greatest deficiencies being 3° at Nairn and 2°·0 to 2°·3 at several northern and western stations, the least 0°·1 at some southern stations. *Lowest* readings were recorded very generally between the 17th and 19th, while a cold and variable Northerly current of wind was prevalent, and the thermometer went down to – 2° Fahr. at Braemar and Newton Reigny, to 0° at Loughborough and Ketton Hall, to + 3° at Lairg, 4° at Durham, 6° at Nairn and Glenlee, and 9° at Hillington. *Highest* were recorded in most places between the 7th and 10th; they exceeded 50° in most places, and touched 57° at Ochertyre and Loughborough, and 56° in several other localities. *Range* was therefore very large—amounting to 57° at Loughborough, 56° at Ketton Hall, and more than 50° at Braemar and Newton Reigny. At Scilly, however, the total range was only 24° and at Sumburgh Head 27°. *Vapour Tension* ranged from a little below 0·18 in. over the midland counties of England and the east of Scotland to nearly 0·20 in. along our east coasts, to 0·22 in. in the south of England, to 0·24 in. in the Channel Islands and west of Ireland, and to 0·27 in. at Scilly. *Relative Humidity* was high, varying from 85 per cent. in the east of Scotland and 86 in the south-west of Ireland to 90 or more in all other districts, to 96 in the south-east coast of England, and to 98 at Stornoway.

Rainfall was very irregularly distributed, considerably below the average* in some regions and above it in others. The largest deficits were 2 ins. and more at Douglas and at Glenlee, and 5·7 ins. at Fort William, while the largest excesses were 2·6 ins. at Scilly, 1·0 at Kilkenny and Wick, and 0·7 in. at Ketton Hall, Stamford.

Bright Sunshine.—The amounts of bright sunshine recorded during the month were much more uniform than is usual during the winter. The largest number of hours were 89 at Pembroke, 87 at Tenby and Falmouth, 86 at Plymouth, 82 at Westbourne, 78 at Southampton, and 74 at Stornoway; the highest per-centages of the possible duration were 31 in South Wales, 30 at Falmouth and Plymouth, 29 at Westbourne, 28 at Newquay and Stornoway. The values are nearly all in excess of the averages* for February, especially as, owing to an absence of calms, there was very little fog.

* The averages employed are—*Pressure* and *Temperature* for the 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; *Bright Sunshine* for the 10 years 1881–90.

TABLE III.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°667	ins. -0°108	37°0	33°2	40°1	36°7	-1°8	22	18th	49	11th
	Wick	29°682	-1°122	36°7	31°6	41°6	36°6	-1°6	19	19th, 21st	51	9th, 10th, 11th
	Stornoway	29°691	-0°82	37°0	30°9	42°3	36°6	-2°5	12	19th, 20th	50	9th
1. SCOTLAND, E.	Nairn	29°701	-1°113	34°7	29°3	41°2	35°3	-3°1	6	20th	54	9th, 11th
	Aberdeen	29°736	-1°112	35°5	32°2	41°5	36°9	-1°6	16	20th	56	11th
	Leith	29°746	-1°124	36°2	32°4	44°0	38°2	-1°8	17	19th	55	12th
2. ENGLAND, N.E.	Shields	29°727	-1°179	37°1	31°9	42°6	37°4	-2°2	12	19th	56	12th
	York	29°769	-1°170	35°7	30°9	43°2	37°1	-2°2	7	19th	55	12th
	Spurn Head	29°742	-1°192	37°1	34°2	40°4	37°3	-1°8	24	19th	49	7th
3. ENGLAND, E.	Yarmouth	29°749	-1°215	36°6	32°2	40°4	36°3	-2°3	19	19th	52	7th
	Cambridge	29°797	-1°182	35°9	30°7	44°7	37°7	-1°5	12	19th	56	7th
4. MIDLAND COUNTIES	Loughborough	29°786	-1°177	34°7	30°6	43°8	37°2	-2°4	0 (zero)	17th	57	7th
	Oxford	29°811	-1°174	36°7	33°4	44°2	38°8	-1°2	17	17th, 18th	52	7th
5. ENGLAND, S.	London	29°799	-1°190	37°7	34°2	44°9	39°6	-0°9	21	17th, 18th	54	25th
	North Foreland	29°780	-1°200	38°8	35°1	42°5	38°7	-1°5	25	17th, 18th	54	7th
	Dungeness	29°780	-1°205	38°1	34°0	43°9	39°0	-1°3	20	18th	51	5th, 8th
	Hurst Castle	29°814	-1°172	39°6	36°4	45°8	41°1	-0°1	20	17th, 18th	52	8th, 9th
6. SCOTLAND, W.	Ardrossan	29°748	-1°125	38°2	34°6	43°4	39°0	-1°5	16	19th	50	8th
7. ENGLAND, N.W.	Hawes Junction*	28°506	?	32°4	28°3	37°8	33°1	?	10	17th, 19th	47	12th
	Liverpool	29°778	-1°156	38°1	35°8	42°7	39°3	-1°1	21	19th	53	7th
	Holyhead	29°773	-1°141	40°2	37°9	45°0	41°5	-0°6	27	17th, 19th	52	26th
8. ENGLAND, S.W.	Pembroke	29°771	-1°166	41°0	38°0	45°0	41°5	-1°0	25	19th	50	8th
	Prawle Point	29°806	-1°187	41°5	37°8	47°0	42°4	-0°1	21	17th, 18th	53	9th, 13th
9. IRELAND, N.	Malin Head	29°716	-1°134	39°7	37°3	44°3	40°3	-2°1	25	19th	50	25th
	Donaghadee	29°765	-1°119	39°9	37°7	44°4	41°1	-0°1	29	19th, 20th	54	9th
	Mullaghmore	29°747	-1°107	41°2	37°9	45°0	41°5	-1°1	26	19th	54	23rd
	Belmullet	29°732	-1°118	41°3	38°0	45°5	41°8	-0°5	28	19th, 20th	51	7th, 24th, 25th
10. IRELAND, S.	Parsonstown	29°766	-1°140	39°1	35°5	45°1	40°3	-1°0	23	17th	53	7th
	Valencia	29°768	-1°151	43°0	38°8	47°8	43°3	-1°9	28	17th, 20th	53	5th, 6th, 7th, 9th, 26th.
	Roche's Point	29°760	-1°156	42°6	39°0	47°4	43°2	-0°8	27	20th	55	6th, 7th
CHANNEL ISLANDS	Scilly (St. Mary's)	29°762	-1°197	45°3	41°4	48°1	44°8	-1°1	31	17th	55	26th
	Jersey	29°832	-1°175	43°4	39°8	48°0	43°9	+0°8	28	17th	54	23rd

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

SUMMARY OF OBSERVATIONS, FEBRUARY 1892.

vii

REPORTING STATIONS in the BRITISH ISLANDS, during the Month of FEBRUARY 1892.

Thunderstorms, and Gales are counted irrespective of the hours at which they occurred.

Latitude, beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				Date.	WEATHER.							WIND.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.			No. of Days of							No. of Observations of																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
								Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Barometer at this station is not reduced for altitude.

TABLE IV.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of FEBRUARY 1892.

NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	°	°	°	ins.	ins.	ins.	°	74.1	+13.7	28	°	5
LAIRG	27.9	41.3	34.6	-2.1	3	18th, 19th	50	9th, 10th, 25th	27	3.31	+0.33	0.55	14th	—	—	—	—
GLENCARRON	29.9	40.5	35.2	-2.3	11	19th	48	1st	20	5.05	-1.70	0.74	10th	—	—	—	—
FORT AUGUSTUS	30.5	42.1	36.3	-2.3	8	19th	52	11th	19	1.96	-1.77	0.39	1st	46.0	?	17	?
FORT WILLIAM	33.4	43.2	38.3	-0.9	13	19th	50	7th	15	2.32	-5.63	0.56	1st	65.3	?	24	?
ABERDEEN	°	°	°	°	°	°	°	°	°	°	°	°	°	72.2	+2.7	27	0
BRAEMAR	27.5	37.8	32.7	-2.6	-2	19th, 20th	49	9th, 12th	20	2.38	-0.57	0.77	21st	61.3	?	23	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	62.1	?	23	?
OCHTERTYRE	30.5	43.2	36.9	-0.4	13	19th	57	11th, 12th	13	1.59	-2.15	0.51	21st	—	—	—	—
MARCHMONT	30.1	41.1	35.6	-1.9	10	19th	52	11th, 12th	20	2.63	+0.31	0.57	21st	70.0	?	26	?
ALNWICK CASTLE	32.9	41.1	37.0	-1.5	10	18th	52	9th, 12th	19	2.40	+0.31	0.47	14th	—	—	—	—
DURHAM	31.0	42.1	36.6	-1.6	4	19th	54	7th	20	1.93	+0.33	0.43	14th	64.6	+4.0	23	0
SCARBOROUGH	33.4	41.1	37.3	-2.2	10	19th	54	12th	23	2.13	+0.42	0.36	14th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	70.7	?	25	?
YORK	°	°	°	°	°	°	°	°	°	°	°	°	°	66.9	+13.3	24	+4
HILLINGTON	31.0	42.8	36.9	-1.9	9	19th	53	7th	17	2.46	+0.66	0.80	8th	65.6	0.0	23	0
GELDESTON	31.9	42.9	37.4	-1.9	11	19th	54	11th	19	1.37	-0.20	0.29	21st	56.6	-12.8	20	-5
CAMBRIDGE	°	°	°	°	°	°	°	°	°	°	°	°	°	67.8	+4.8	24	+1
ROTHAMSTED	32.3	42.9	37.6	-1.0	11	19th	53	7th	18	1.29	-0.77	0.20	20th	58.7	?	21	?
BAWTRY	32.3	42.8	37.6	-1.8	17	18th	54	7th	17	1.95	+0.39	0.65	14th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	62.5	+6.4	22	+1
STAMFORD (KETTON HALL).	29.8	43.4	36.6	-3.2	0 (zero)	17th, 19th	56	7th	19	2.44	+0.72	0.85	15th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	65.7	+13.6	23	+4
CHEADLE	31.9	41.1	36.5	-1.4	14	19th	50	7th, 11th	18	1.59	-0.88	0.34	15th	—	—	—	—
CHURCHSTOKE	31.1	42.7	36.9	-2.2	13	17th	51	7th	16	1.68	-0.84	0.36	20th	45.9	-15.5	16	-7
HEREFORD	33.4	44.1	38.8	-1.4	14	17th	53	7th	15	2.14	+0.05	0.50	20th	—	—	—	—
CIRENCESTER	31.3	43.5	37.4	-1.3	14	19th	53	7th	18	1.77	-0.73	0.43	20th	59.0	-9.0	21	-4
OXFORD	°	°	°	°	°	°	°	°	°	°	°	°	°	57.2	-4.4	20	-2
LONDON	°	°	°	°	°	°	°	°	°	°	°	°	°	37.8	-1.1	13	-1
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	56.1	?	20	?
STRATHFIELD TURGISS	33.2	44.5	38.9	-0.9	18	17th	53	25th	16	1.28	-0.71	0.22	20th	—	—	—	—
HASTINGS	34.4	43.2	38.8	-1.8	19	17th	50	7th, 8th	19	1.94	-0.10	0.40	21st	68.1	-9.6	24	-4
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	66.8	?	23	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	78.0	?	27	?
WESTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	81.7	?	29	?
SOUTHAMPTON	35.7	46.8	41.3	+0.1	20	17th	55	7th, 8th	13	1.11	-1.41	0.26	6th	77.5	+10.5	27	+3
STOWELL	33.7	43.9	38.8	-0.6	19	17th	52	7th	15	2.22	?	0.46	2nd	—	—	—	—
LAUDALE	32.9	44.6	38.8	-1.5	17	19th	55	7th	19	3.66	-3.68	0.53	1st, 7th	—	—	—	—
GLASGOW	34.0	42.0	38.0	-1.2	15	19th	49	7th, 11th, 12th	18	2.11	-1.23	0.33	14th	56.4	+10.6	21	+4
GLENLEE	30.9	43.4	37.2	-1.1	6	19th	52	7th, 9th, 10th	16	2.75	-2.07	0.60	2nd	—	—	—	—
DOUGLAS	36.4	43.4	39.9	-1.0	22	17th	51	7th	14	1.32	-2.11	0.28	1st	74.7	+6.1	27	+2
NEWTON REIGNY	29.5	41.5	35.5	-1.9	-2	19th	51	7th	17	1.99	-0.81	0.40	2nd, 14th	73.9	+10.4	27	+7
STONYHURST	33.0	41.4	37.2	-1.9	13	19th	48	7th, 8th, 11th	15	3.45	+0.02	0.68	7th	69.7	+11.7	25	+3
BLACKPOOL	34.5	42.6	38.6	-1.0	18	19th	50	26th	12	2.02	-0.25	0.38	2nd	72.5	+12.9	26	+4
MANCHESTER	34.3	42.5	38.4	-0.5	20	17th, 18th, 19th	51	25th	16	2.53	+0.36	0.68	14th	—	—	—	—
LLANDUDNO	36.5	44.7	40.6	-1.3	23	17th, 19th	53	26th	13	1.53	-0.65	0.26	7th	65.7	+1.3	23	0
LLANDOVERY	32.0	45.0	38.5	-3.0	11	18th	52	25th	21	3.12	-0.94	1.00	7th	—	—	—	—
PEMBROKE	°	°	°	°	°	°	°	°	°	°	°	°	°	89.0	+15.1	31	+4
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	87.4	?	31	?
ARLINGTON	34.0	43.4	38.7	-1.5	18	17th	50	25th, 26th	22	3.48	-0.62	?	?	—	—	—	—
CULLOMPTON	34.1	45.5	39.8	-1.0	19	17th	52	8th	19	2.92	-0.03	0.52	20th	74.1	+11.0	26	+3
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	73.7	?	26	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	79.6	?	28	?
PALMOUTH	39.3	47.3	43.3	-0.8	24	17th	52	4th, 6th, 26th	17	4.69	+0.63	1.09	18th	87.2	+11.1	30	+3
PLYMOUTH	38.8	47.1	43.0	+0.1	23	17th	52	4th, 6th, 8th, 26th.	17	3.12	+0.14	0.72	18th	86.2	+11.6	30	+3
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	68.5	?	24	?
JERSEY	°	°	°	°	°	°	°	°	°	°	°	°	°	52.4	-34.7	18	-13
LONDONBERRY	35.4	45.6	40.5	-0.7	17	19th	56	10th	18	2.67	-0.17	0.75	1st	—	—	—	—
MARKEE CASTLE	34.3	45.1	39.7	-1.0	20	19th	54	9th	18	2.32	-0.45	0.59	7th	75.0	+15.6	27	+5
BROOKEBOROUGH	34.0	44.2	39.1	-0.6	17	19th	53	25th	16	2.72	-0.37	0.72	20th	—	—	—	—
ARMAGH	34.5	44.2	39.4	-0.7	14	19th	53	9th	17	1.35	-0.96	0.28	1st	56.6	-3.8	20	-2
EDGEWORTHSTOWN	35.4	46.3	40.9	+1.0	26	19th	56	8th	20	1.74	-0.82	0.50	7th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	49.5	?	18	?
DUBLIN	37.3	45.3	41.3	-1.2	26	17th	55	7th	20	2.12	+0.01	0.53	20th	55.0	-13.5	20	-5
PARSONSTOWN	°	°	°	°	°	°	°	°	°	°	°	°	°	62.1	-4.6	22	-3
KILKENNY CASTLE	36.2	44.9	40.6	-1.7	24	17th	54	7th	21	3.75	+1.02	0.69	20th	—	—	—	—
WATERFORD	37.2	46.2	41.7	-1.8	21	16th	55	7th	13	3.22	-0.32	0.87	20th	—	—	—	—
VALENCIA	°	°	°	°	°	°	°	°	°	°	°	°	°	72.6	-0.6	26	-1
KILLARNY	37.0	47.1	42.1	-2.3	19	17th	55	7th	19	4.06	?	1.08	21st	—	—	—	—
FOYNES	38.0	46.3	42.2	-1.1	27	16th	53	7th, 25th	20	4.14	?	1.12	20th	—	—	—	—

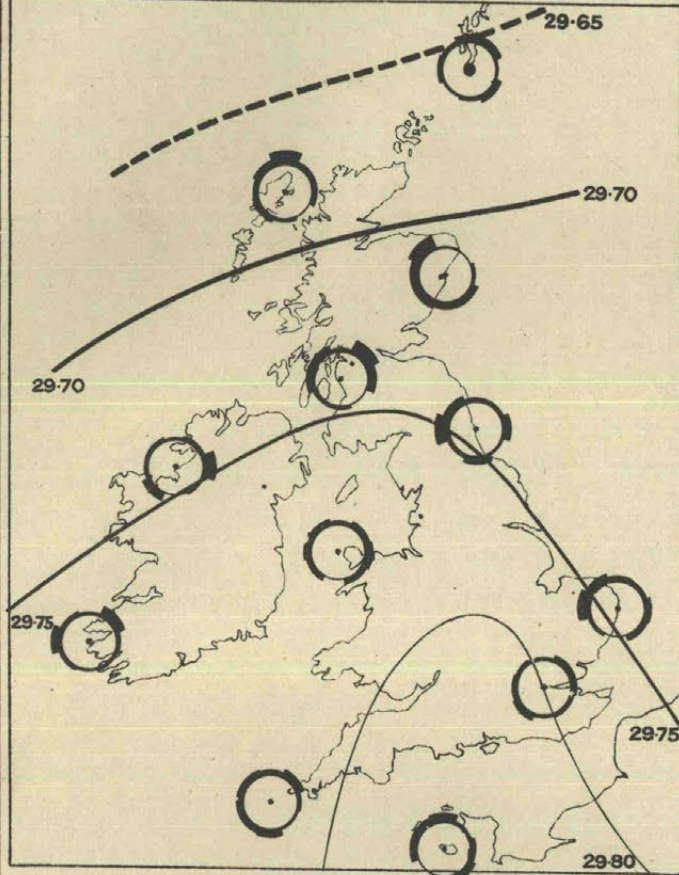
* For information see Table III.

MONTHLY WEATHER CHART, FEBRUARY, 1892.

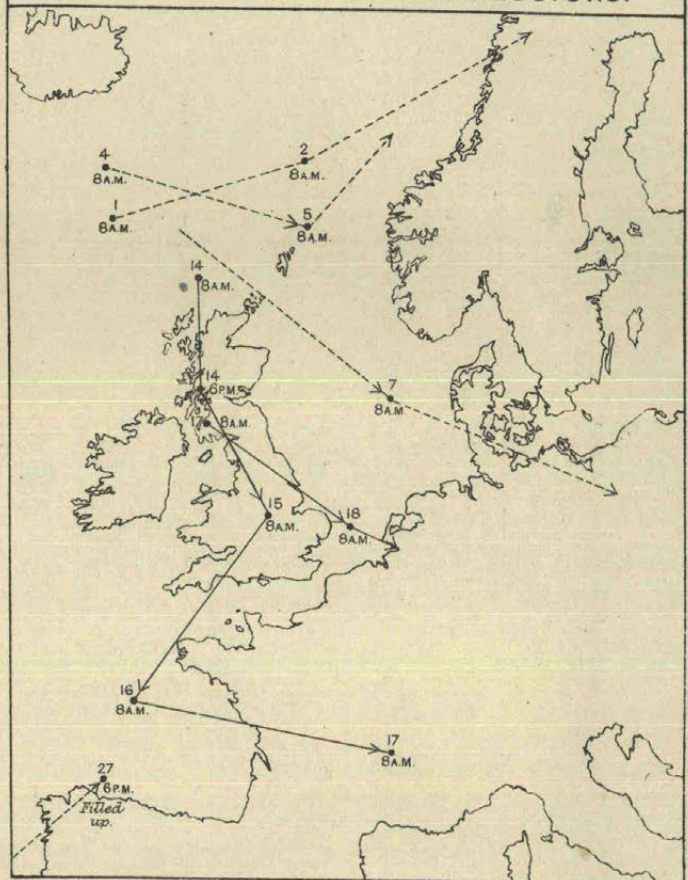
Monthly Summary.

Plate II.

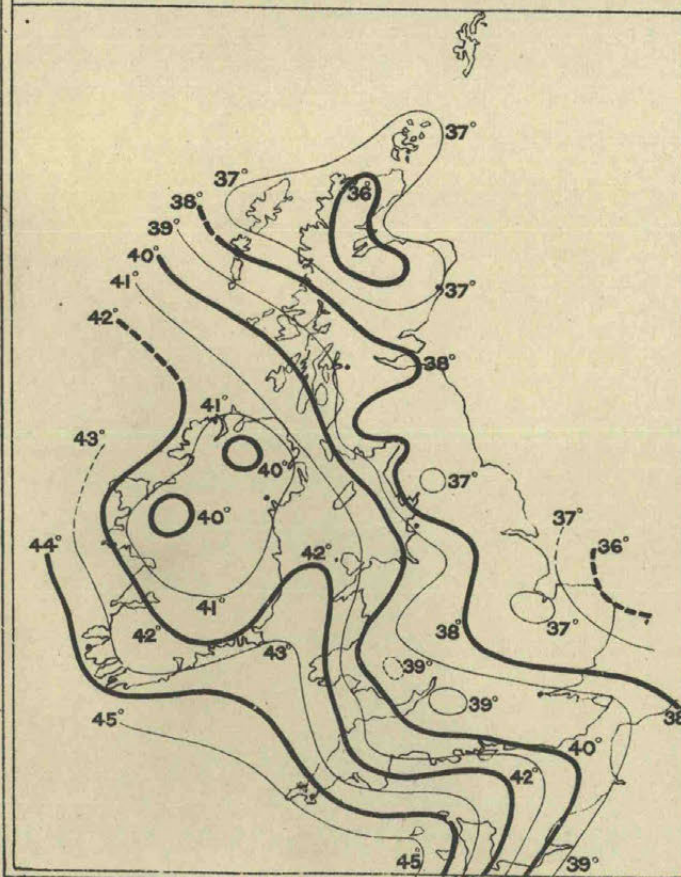
1. BAROMETER AND WIND.



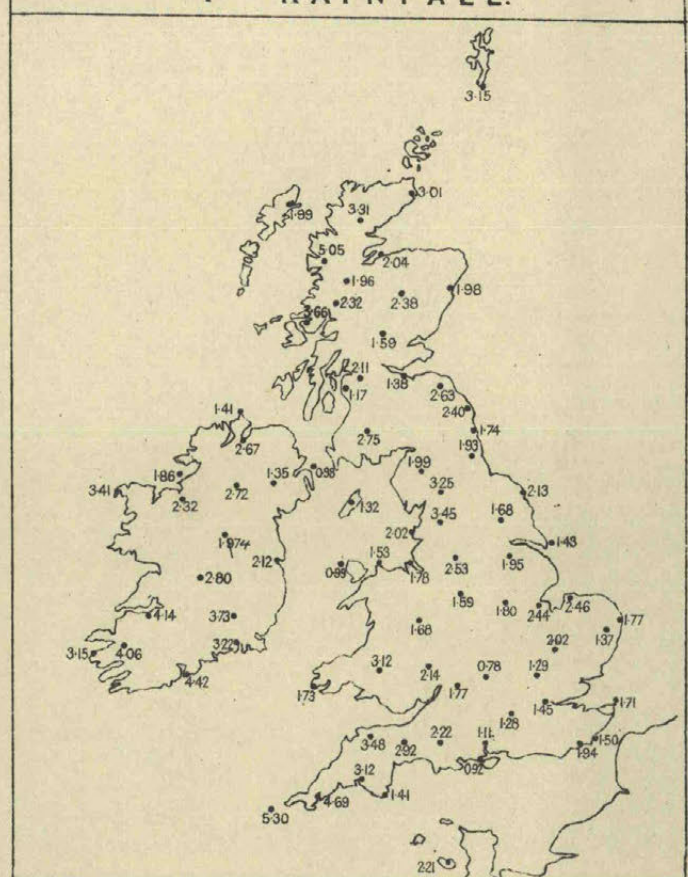
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

MARCH 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of this month was of a decided character; sometimes distinctly anticyclonic for days together, at others decidedly cyclonic and complex; the former condition predominating at the early and latter parts of the month, the latter about the middle. Temperature was below the average, and the range was exceedingly large in the north, where the minima on the 16th were unusually low. Rainfall was very deficient, and bright sunshine in excess, especially in the west and south-west.

Pressure.—*Mean for the month at 8 a.m.* varied from 30·05 ins. and more over the Irish Sea and north-east of Ireland to about 30·0 ins. over the Channel and south of England, and to 29·96 ins. at Sumburgh Head. It was, therefore, above the average for March in all districts, the excess varying from 0·21 in. at Sumburgh Head and Aberdeen, and from 0·16 in. at Mullaghmore and Belmullet to 0·08 in. over our eastern counties, and to 0·03 in. at Scilly and Jersey. The distribution was altogether anticyclonic, and gradients were very slight. *Highest* readings were recorded on the 22nd, when the barometer rose to 30·5 ins. and more, in the north and west of our Islands, and to rather above 30·7 ins. in the extreme north-west of Ireland. *Lowest* values were registered on the 15th, when the barometer fell to 29·1 ins. and less in a depression which travelled quickly from the westward over Ireland and England. *Range* was not very large anywhere.

Depressions.—The movements of the principal systems are shown on Map 2, Plate III., and are very interesting; most of them advanced from the north-westward and westward, and the movements of that of the 15th–16th were rapid. One system, however, appeared first over Austria, on the 11th, and moving northwards and north-westwards reached the central parts of the North Sea on the 13th, and finally disappeared off the west of Scotland on the 15th. During the latter part of its progress, in a north-westerly direction, another system was observed over the Bay of Biscay, moving south-eastwards.

Anticyclones.—An anticyclonic system was prevalent over northern Europe early in the month, and between the 3rd and 5th lay immediately over the northern parts of our Islands, when the barometer rose to 30·4 ins. and more in those regions. Towards the 22nd a system of greater intensity appeared off our north-western coasts for a time. Still nearer to the end of the month another anticyclone spread over the kingdom from the Atlantic, and the barometer rose to 30·5 ins. and more in many places between the 29th and 31st.

Winds varied greatly, but were chiefly from between West and North at our northern stations, from the South-eastward in the north-west of Ireland, and from between East and North-east over the southern halves of that country and of England. Gales were not of frequent occurrence, though more common in the English Channel than elsewhere. Calms were reported very frequently at Parsonstown, Sumburgh Head, and Nairn.

Temperature.—*Mean for the Month at sea level* ranged from between 41° and 42° in the extreme south-west of England and Ireland, to 35° in the extreme east of Norfolk, to less than 36° over the inland parts of the north of Scotland, and to a little below 38° over the low-lying parts of Mayo, Sligo, and Leitrim, as well as over all the northern and inland parts of England. It was below the average* in all parts of the kingdom—the deficiency ranging between 4° and 6° in most districts, but to a smaller extent in the northern parts of Ireland and Scotland. *Lowest* readings were recorded in different districts on very various dates. They were very low in Scotland on the 16th (3° at Braemar, 6° at Nairn), and in many parts of England and the southern half of Ireland, between the 9th and 13th, while in the north of Ireland and west of Scotland the cold was sharp on the 28th and 29th. *Highest* were registered in Scotland and the west of England on the 18th or 19th, but in the north and east of England and over Ireland on the 31st. *Range* was large generally, especially in the north: as much as 58° at Nairn, 52° at Llandoverly, 51° at Glen Carron, 50° at Lairg, and above 40° in many places; at Scilly, however, it was only 22°, and at Yarmouth and Spurn Head 29°. *Vapour Tension* varied from only 0·14 in. over Lancashire and west Yorkshire, and from 0·16 in. in the east of Scotland and over Wiltshire, to 0·19 in. at Yarmouth, to 0·21 in. in the Hebrides and the west of Ireland, and 0·23 in. at Scilly. *Relative Humidity* was lowest, 80 per cent. and less, in the east of Scotland, the Channel Islands, and at Liverpool, and 81 per cent. at Valencia and over our west Midlands; highest, 97 per cent., in the Hebrides, and 90 at several of our western stations and on the extreme south-eastern coasts of England.

Rainfall was very deficient; the aggregate falls varying from 0·4 in. at Braemar, and less than an inch at many of our northern, midland, and Irish stations, to less than 2 ins. at many of the western Scotch stations, to 2 ins. and more in the west of Ireland, and to 3·5 in. at Glen Carron.

Bright Sunshine was in excess, especially at our south-western and western stations. At Newton Reigny, Stonyhurst, Pembroke, and Jersey the hours recorded exceeded the average* by more than 40 hours, or from 11 to 13 per cent. of the possible duration. The largest number of hours registered was 197 at Jersey, 171 at Pembroke, 166 at Valencia, 165 at Newquay.

* The averages employed are—*Pressure and Temperature* for 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; *Bright Sunshine* for the 10 years, 1881–90.

TABLE V.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°960 in. +0°209	37°0	32°8	41°8	37°3	-1°0	20	27th	50	18th	
	Wick	29°980 +0°187	36°6	29°8	43°0	36°4	-3°0	20	4th, 5th, 10th	55	19th	
	Stornoway	29°974 +0°196	36°6	30°6	41°8	36°2	-3°5	20	12th	55	19th	
1. SCOTLAND, E.	Nairn	30°003 +0°193	34°2	26°9	44°3	35°6	-4°2	6	16th	64	19th	
	Aberdeen	30°038 +0°213	35°1	30°4	43°4	36°9	-3°0	20	16th	66	31st	
	Leith	30°042 +0°189	35°8	31°0	45°5	38°3	-3°0	24	28th, 29th	62	18th	
2. ENGLAND, N.E.	Shields	30°027 +0°147	35°0	30°0	43°3	36°7	-3°9	24	15th	61	31st	
	York	30°047 +0°139	34°8	30°0	45°0	37°5	-3°6	20	12th	68	31st	
	Spurn Head	30°016 +0°120	36°0	32°6	40°6	36°6	-4°1	25	10th	54	17th, 24th	
3. ENGLAND, E.	Yarmouth	30°005 +0°085	35°5	31°0	38°9	35°0	-5°1	18	10th	47	17th	
	Cambridge	30°044 +0°103	35°3	28°2	45°4	36°8	-4°8	20	9th, 10th	63	18th	
4. MIDLAND COUNTIES	Loughborough	30°042 +0°110	33°3	29°0	45°3	37°2	-4°7	20	10th	68	31st	
	Oxford	30°049 +0°098	33°9	29°7	44°4	37°1	-4°9	23	13th	60	18th, 31st	
5. ENGLAND, S.	London	30°026 +0°076	35°8	31°4	44°7	38°1	-4°6	22	9th, 13th	61	18th	
	North Foreland	30°005 +0°075	37°3	32°3	40°8	36°6	-4°6	23	16th	54	26th	
	Dungeness	29°988 +0°050	36°7	32°2	42°4	37°3	-4°4	19	9th, 10th	51	26th	
	Hurst Castle	30°025 +0°071	37°0	32°5	44°5	38°5	-4°0	24	9th	56	18th	
6. SCOTLAND, W.	Ardrossan	30°042 +0°177	36°7	32°2	43°4	37°8	-3°5	23	29th	58	19th	
7. ENGLAND, N.W.	Hawes Junction*	28°772 ?	29°5	25°0	38°2	31°6	?	12	10th	57	18th	
	Liverpool	30°052 +0°141	36°2	32°7	42°7	37°7	-4°2	27	12th	61	18th	
	Holyhead	30°045 +0°138	37°7	34°3	43°6	39°0	-4°1	29	5th, 6th, 30th	63	19th	
8. ENGLAND, S.W.	Pembroke	30°029 +0°100	37°5	34°3	43°5	38°9	-4°0	28	3rd, 4th	54	18th	
	Prawle Point	30°009 +0°044	38°9	34°1	44°7	39°4	-3°5	26	10th, 11th	54	21st, 31st	
9. IRELAND, N.	Malin Head	30°005 +0°140	37°2	34°1	43°6	38°9	-3°7	27	5th, 9th, 10th	58	18th	
	Donaghadee	30°050 +0°168	37°4	34°3	44°6	39°5	-2°7	25	9th	64	31st	
	Mullaghmore	30°030 +0°158	38°3	35°1	45°0	40°1	-3°1	27	9th	59	31st	
	Belmullet	30°032 +0°157	39°8	34°8	45°1	40°0	-4°9	28	5th, 10th	57	18th	
10. IRELAND, S.	Parsonstown	30°050 +0°125	35°1	29°9	45°9	37°9	-4°5	20	13th, 28th	63	31st	
	Valencia	30°030 +0°105	40°7	36°1	47°7	41°9	-3°8	27	14th	56	31st	
	Roche's Point	30°037 +0°110	39°1	34°8	45°5	40°2	-4°5	28	13th	54	22nd	
CHANNEL ISLANDS	Scilly (St. Mary's)	29°978 +0°031	42°6	38°1	45°5	41°8	-4°2	31	3rd	53	18th	
	Jersey	29°995 +0°034	40°2	36°4	46°7	41°6	-3°1	28	3rd, 6th	60	18th	

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

REPORTING STATIONS in the BRITISH ISLANDS during the Month of MARCH 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				Date.	WEATHER, No. of Days of							WIND, No. of Observations of								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.			Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
in.	%		ins.	ins.	ins.																		
0.200	91	7.9	1.99	-0.80	0.32	17th	28	4	0	0	0	17	1	2	1	3	2	6	0	6	3		
197	91	6.4	0.97	-1.05	0.18	14th	15	9	1	1	6	11	4	4	0	1	2	6	2	7	7	2	
209	97	8.8	1.21	-2.58	0.25	7th	21	7	0	0	0	23	3	5	2	2	2	3	9	4	3	1	
168	84	5.5	1.72	+0.04	0.50	13th	13	7	0	0	4	3	0	1	2	0	1	1	8	8	0	10	
158	77	5.8	1.22	-1.11	0.29	11th	15	10	5	0	1	8	1	1	1	1	3	6	6	4	9	0	
184	88	6.4	0.79	-0.62	0.22	26th	11	6	1	0	4	9	0	2	3	6	1	3	2	13	0	1	
174	85	6.6	1.18	-0.57	0.26	26th	12	13	3	1	4	8	0	0	4	2	3	1	6	7	7	1	
182	90	6.6	0.92	-0.81	0.30	9th	13	4	0	0	6	14	0	6	1	7	3	2	1	5	6	0	
186	87	7.5	0.84	-0.38	0.23	15th	11	14	1	0	2	15	3	6	3	4	2	4	4	3	5	0	
187	90	6.1	1.81	-0.01	0.45	21st	16	10	1	0	5	4	4	6	6	6	1	1	5	1	5	0	
181	88	7.6	0.80	-0.60	0.19	27th	15	9	0	0	5	20	0	9	3	5	1	2	4	1	5	1	
162	85	7.4	0.91	-0.73	0.33	15th	12	14	0	0	3	15	0	4	3	4	3	1	1	6	6	3	
159	81	6.2	0.37	-1.22	0.16	15th	5	8	1	0	11	14	0	4	13	2	2	2	2	3	2	1	
179	85	6.6	1.17	-0.32	0.32	15th	10	9	0	0	8	16	3	3	8	7	1	2	3	4	3	0	
207	93	6.1	1.55	?	0.40	15th	10	12	0	0	10	16	4	4	7	9	1	1	3	2	4	0	
202	93	6.6	1.26	-0.57	0.40	15th	11	7	0	0	2	10	7	6	7	9	2	1	2	1	3	0	
189	86	5.3	0.93	-0.90	0.63	15th	10	5	1	0	7	7	4	4	12	9	0	0	2	3	1	0	
195	90	6.5	0.30	-2.14	0.21	26th	4	4	0	0	7	16	0	2	10	4	1	5	1	2	3	3	
137	84	6.3	0.92	?	0.28	9th	13	10	0	0	5	13	0	7	7	6	6	2	2	0	1	0	
170	79	6.1	1.46	-0.26	0.41	15th	11	4	2	0	9	14	0	5	3	7	6	1	3	4	2	0	
198	88	6.7	1.51	-0.76	0.41	14th	13	3	0	0	0	10	1	3	5	7	3	3	1	0	3	6	
201	90	4.7	0.96	-1.44	0.43	15th	11	2	1	0	3	6	4	2	10	11	2	2	1	0	3	0	
208	88	6.2	0.67	-1.28	0.34	15th	8	5	0	0	3	13	6	5	13	5	1	0	2	2	3	0	
187	84	7.2	0.42	?	0.11	26th	12	7	3	0	4	17	2	5	1	1	9	8	1	1	5	0	
204	91	6.9	0.81	-1.24	0.22	9th	12	3	0	0	0	10	2	3	4	4	3	5	7	3	2	0	
189	82	6.6	0.68	-2.19	0.19	9th	12	7	7	0	3	7	5	2	2	7	6	4	6	2	2	0	
209	86	6.0	2.07	?	0.58	16th	16	3	2	0	10	15	3	5	2	4	11	4	1	3	1	0	
181	88	6.7	0.57	-1.76	0.11	14th	8	3	2	0	7	15	0	0	2	0	6	0	1	0	1	21	
205	81	5.6	2.15	-2.05	0.58	19th	9	4	2	0	5	10	3	2	7	9	3	0	2	0	2	6	
206	86	6.2	1.43	-2.28	0.85	15th	8	5	0	0	0	12	1	7	6	4	6	2	2	0	4	0	
225	83	6.9	0.85	-1.55	0.42	15th	8	3	2	0	1	8	2	4	10	9	2	1	2	0	3	0	
196	79	4.7	1.80	-0.53	0.78	15th	12	7	5	0	6	6	2	3	4	11	2	1	1	3	5	1	

barometer at this station is not reduced for altitude.

TABLE VI.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of MARCH 1892.

STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
	°	°	°	*	°	*	°	*	*	ins.	ins.	ins.	*			%	%
STORNOWAY	-	-	-	-	-	-	-	-	*	*	*	*	*	111'7	+13'1	31	+4
LAIRG	25'4	43'6	34'5	-3'8	10	16th	60	19th	17	1'86	-1'10	0'96	26th	-	-	-	-
GLENCARRON	27'4	42'6	35'0	-3'5	14	16th	65	19th	17	3'52	-2'73	0'83	16th	-	-	-	-
FORT AUGUSTUS	28'4	43'9	36'2	-3'4	13	16th	60	19th	15	1'46	-1'51	0'29	9th	116'4	?	32	?
FORT WILLIAM	31'1	42'9	37'0	-3'5	20	16th, 29th	58	19th	10	1'88	-4'21	0'60	16th	135'7	?	37	?
ABERDEEN	-	-	-	-	*	*	*	*	*	*	*	*	*	128'4	+16'8	35	+4
BRAEMAR	24'6	39'5	32'1	-4'4	3	16th	51	18th, 19th, 31st	9	0'37	-2'12	0'13	16th	143'7	?	40	?
EDINBURGH	-	-	-	-	-	-	-	-	-	-	-	-	-	121'8	?	34	?
OCHTERTYRE	29'3	46'5	37'9	-1'5	15	27th	61	18th, 23rd, 31st	9	1'16	-1'63	0'39	17th	-	-	-	-
MARCHMONT	28'1	42'5	35'3	-3'7	16	15th	62	18th	9	1'53	-0'94	0'38	26th	110'0	?	30	?
ALNWICK CASTLE	31'6	42'1	36'9	-3'0	21	27th	59	31st	12	1'77	-0'58	0'43	12th	-	-	-	-
DURHAM	28'5	43'9	36'2	-3'9	19	30th	66	31st	13	1'14	-1'02	0'25	10th	139'1	+34'8	38	+9
SCARBOROUGH	31'9	42'3	37'1	-3'9	24	10th, 11th, 14th	63	31st	15	1'14	-0'75	0'21	15th, 26th	-	-	-	-
OSWALDKIRK	-	-	-	-	-	-	-	-	-	-	-	-	-	142'3	?	39	?
YORK	-	-	-	-	-	-	-	-	-	-	-	-	-	127'5	+29'0	35	+8
HILLINGTON	29'0	44'0	36'5	-4'9	10	10th	60	18th	16	0'95	-0'71	0'23	15th	107'0	+0'5	29	0
GELDESTON	29'1	42'4	35'8	-5'8	15	10th	58	17th	16	1'77	+0'20	0'56	21st	113'3	-10'8	31	-3
CAMBRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	106'7	-11'4	29	-3
ROTHAMSTED	29'6	43'1	36'4	-4'5	19	10th	58	18th, 26th	11	1'05	-0'68	0'42	15th	118'7	?	33	?
BAWTRY	28'5	45'4	37'0	-4'2	19	13th	65	31st	9	0'73	-0'98	0'29	15th	-	-	-	-
WORKSOP	-	-	-	-	-	-	-	-	-	-	-	-	-	99'9	+1'8	27	0
STAMFORD (KETTON HALL).	29'0	44'9	37'0	-4'8	19	10th	62	31st	14	1'19	-0'26	0'24	27th	-	-	-	-
THURCASTON	-	-	-	-	-	-	-	-	-	-	-	-	-	114'6	+28'1	31	+7
CHEADLE	29'4	42'5	36'0	-4'0	21	10th, 11th, 12th	62	31st	9	0'90	-1'41	0'27	15th	-	-	-	-
CHURCHSTOKE	27'8	43'8	35'8	-4'6	17	12th, 13th	61	18th	11	1'13	-0'88	0'34	15th	144'4	+39'2	40	+11
HEREFORD	30'1	45'5	37'8	-4'5	19	13th	62	18th	8	0'67	-1'07	0'29	27th	-	-	-	-
CIRENCESTER	28'3	43'9	36'1	-4'5	16	9th	59	18th, 31st	9	0'64	-1'45	0'43	15th	132'1	+21'9	36	+6
OXFORD	-	-	-	-	-	-	-	-	-	-	-	-	-	112'1	+0'5	31	0
LONDON	-	-	-	-	-	-	-	-	-	-	-	-	-	84'4	-0'7	23	0
MARGATE	-	-	-	-	-	-	-	-	-	-	-	-	-	107'7	?	30	?
STRATHFIELD TURGIS-	29'6	45'1	37'4	-4'7	20	9th	60	26th	11	1'04	-0'52	0'34	15th	-	-	-	-
HASTINGS	32'3	43'2	37'7	-5'1	21	10th	53	18th, 26th	10	1'65	-0'29	0'42	15th	148'1	+12'4	41	+4
EASTBOURNE	-	-	-	-	-	-	-	-	-	-	-	-	-	141'8	?	39	?
BRIGHTON	-	-	-	-	-	-	-	-	-	-	-	-	-	146'6	?	40	?
WESTBOURNE (SUSSEX).	-	-	-	-	-	-	-	-	-	-	-	-	-	145'9	?	40	?
SOUTHAMPTON	31'7	47'2	39'5	-3'7	23	9th	60	21st, 31st	11	1'09	-0'93	0'58	15th	148'9	+22'7	41	+6
STOWELL	30'2	44'0	37'1	-4'5	20	9th	59	31st	8	0'74	?	0'45	15th	-	-	-	-
LAUDALE	31'2	44'5	37'9	-3'2	22	12th	60	18th, 20th	12	1'59	-5'00	0'60	16th	-	-	-	-
GLASGOW	31'8	42'8	37'3	-3'0	23	28th, 29th	59	19th	9	0'69	-1'79	0'30	26th	111'6	+30'9	31	+9
GLENEE	27'7	43'5	35'6	-3'8	15	28th	60	19th	10	1'29	-2'62	0'37	26th	-	-	-	-
DOUGLAS	31'4	42'8	37'1	-4'5	18	14th	57	31st	10	0'90	-1'95	0'33	13th	152'9	+32'5	42	+9
NEWTON REIGNY	27'1	42'6	34'9	-4'5	14	29th	61	18th	11	0'82	-1'40	0'21	26th	144'8	+44'4	40	+12
STONYHURST	30'4	42'2	36'3	-4'3	17	12th	58	18th	8	1'04	-2'40	0'28	9th	145'9	+48'4	40	+13
BLACKPOOL	32'3	44'4	38'4	-2'7	24	12th	62	18th	9	0'99	-1'26	0'25	27th	126'4	+32'8	35	+9
MANCHESTER	30'1	43'7	36'9	-4'1	20	12th	62	18th	11	1'05	-1'41	0'36	15th	-	-	-	-
LLANDUDNO	33'0	43'7	38'4	-4'7	25	12th	63	18th	11	1'13	-0'86	0'24	15th	134'7	+43'5	37	+12
LLANDOVERY	28'2	47'1	37'7	-5'0	12	11th	64	31st	9	1'35	-2'25	0'45	14th	-	-	-	-
PEMBROKE	-	-	-	-	-	-	-	-	-	-	-	-	-	171'1	+41'3	47	+11
TENBY	-	-	-	-	-	-	-	-	-	-	-	-	-	189'9	?	52	?
ARLINGTON	30'5	43'4	37'0	-4'4	23	13th, 14th	59	31st	12	1'15	-2'39	0'57	15th	-	-	-	-
CULLOMPTON	30'7	45'9	38'3	-4'3	21	9th, 13th	60	31st	6	0'88	-1'59	0'55	15th	154'3	+35'1	42	+9
TORQUAY	-	-	-	-	-	-	-	-	-	-	-	-	-	161'4	?	44	?
NEWQUAY	-	-	-	-	-	-	-	-	-	-	-	-	-	165'0	?	45	?
FALMOUTH	36'0	45'3	40'7	-3'7	29	8th	53	31st	8	1'30	-2'11	0'48	14th	146'9	+17'1	40	+4
PLYMOUTH	34'3	45'0	39'7	-4'5	26	9th	58	31st	7	1'17	-1'46	0'57	15th	157'8	+26'4	43	+7
GUERNSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	149'4	?	41	?
JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	196'6	+47'5	54	+13
LONDONDERRY	32'6	†	†	†	26	9th, 10th, 28th	†	†	9	1'11	-1'65	0'54	26th	-	-	-	-
MARKREE CASTLE	30'0	45'2	37'6	-4'4	18	28th	61	31st	10	0'80	-1'69	0'19	9th	107'0	+5'7	29	+1
BROOKEBOROUGH	28'9	45'3	37'1	-3'7	16	11th	61	31st	11	1'06	-1'76	0'34	9th	-	-	-	-
ARMAGH	30'4	45'2	37'8	-3'4	20	12th	64	18th	10	0'73	-1'37	0'21	26th	117'2	+24'1	32	+6
EDGEWORTHSTOWN	30'4	47'3	38'9	-2'2	20	28th	62	31st	6	0'96	-1'85	0'37	14th	-	-	-	-
ARLEY COTTAGE (COUNTY CAVAN).	-	-	-	-	-	-	-	-	-	-	-	-	-	111'0	?	30	?
DUBLIN	33'2	45'0	39'1	-4'4	24	11th	59	17th	9	0'99	-1'12	0'40	14th	132'8	+17'9	36	+4
PARSONSTOWN	-	-	-	-	-	-	-	-	-	-	-	-	-	118'5	+4'9	33	+2
KILKENNY CASTLE	31'4	45'5	38'5	-4'7	21	12th, 13th	62	31st	8	0'89	-1'29	0'54	15th	-	-	-	-
WATERFORD	32'0	45'5	38'8	-4	23	13th	62	31st	9	1'12	-1'89	0'44	15th	-	-	-	-
VALENCIA	-	-	-	-	-	-	-	-	-	-	-	-	-	166'3	+33'7	46	+10
KILLARNEY	33'1	47'4	40'3	-4'2	21	14th	67	31st	9	2'03	?	0'58	16th	-	-	-	-
FOYNES	32'7	46'9	39'8	-3'8	22	12th	61	16th, 17th	5	0'77	?	0'43	15th	-	-	-	-

* For information see Table V.

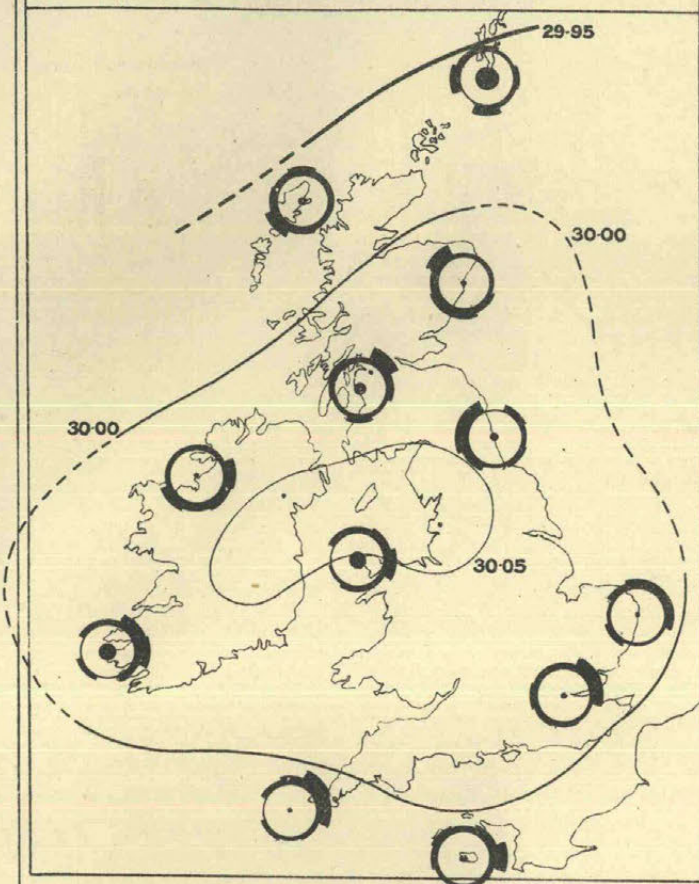
† No observations.

MONTHLY WEATHER CHART MARCH 1892.

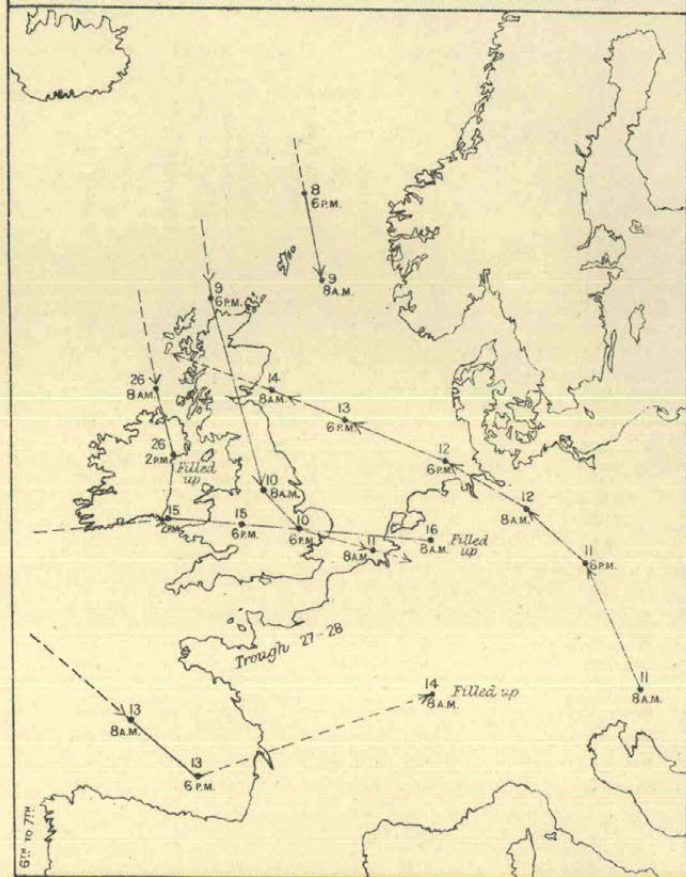
Monthly Summary.

Plate III.

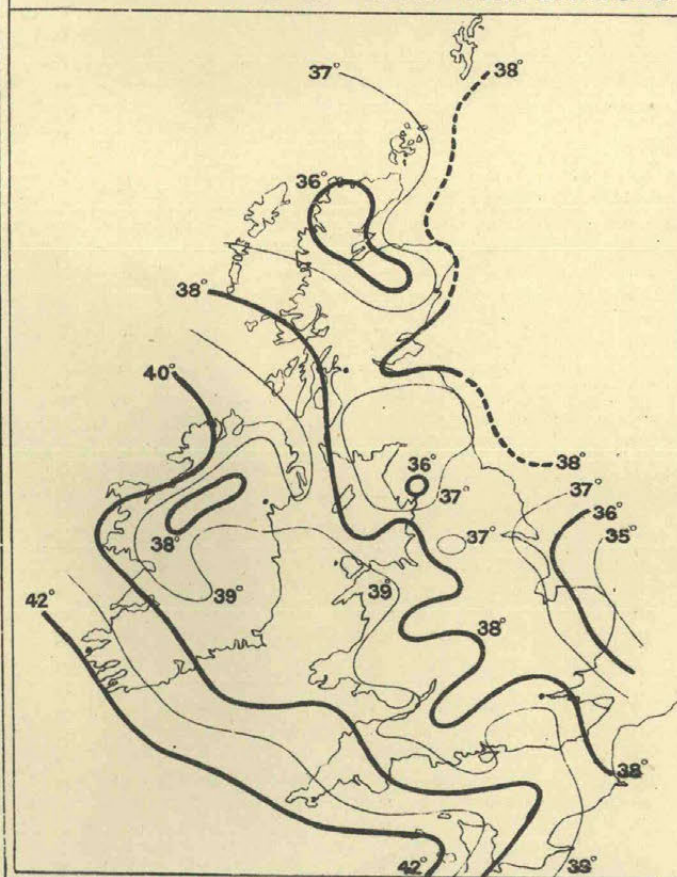
1. BAROMETER AND WIND.



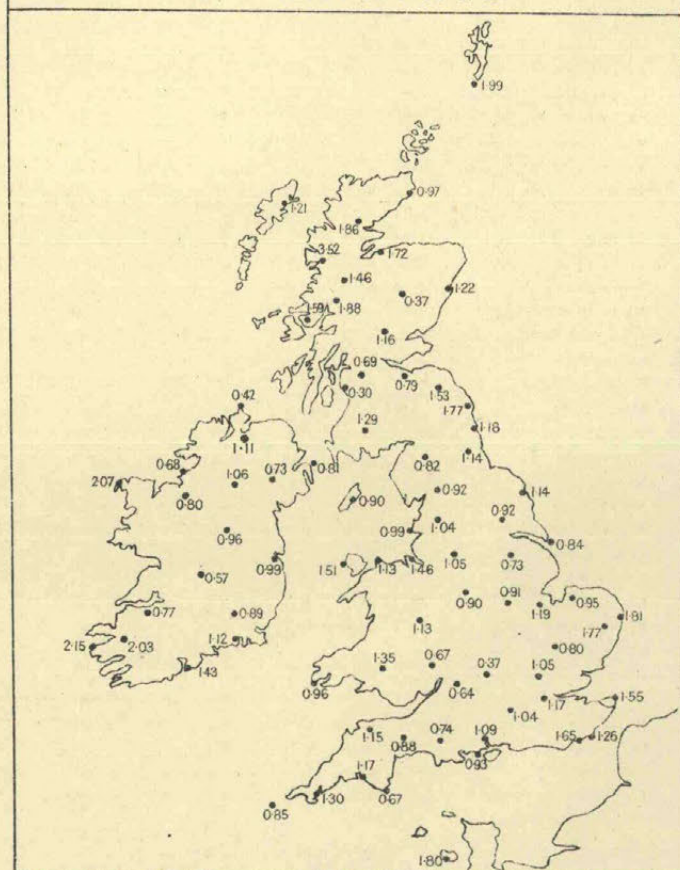
2. MOVEMENTS OF DEPRESSIONS.



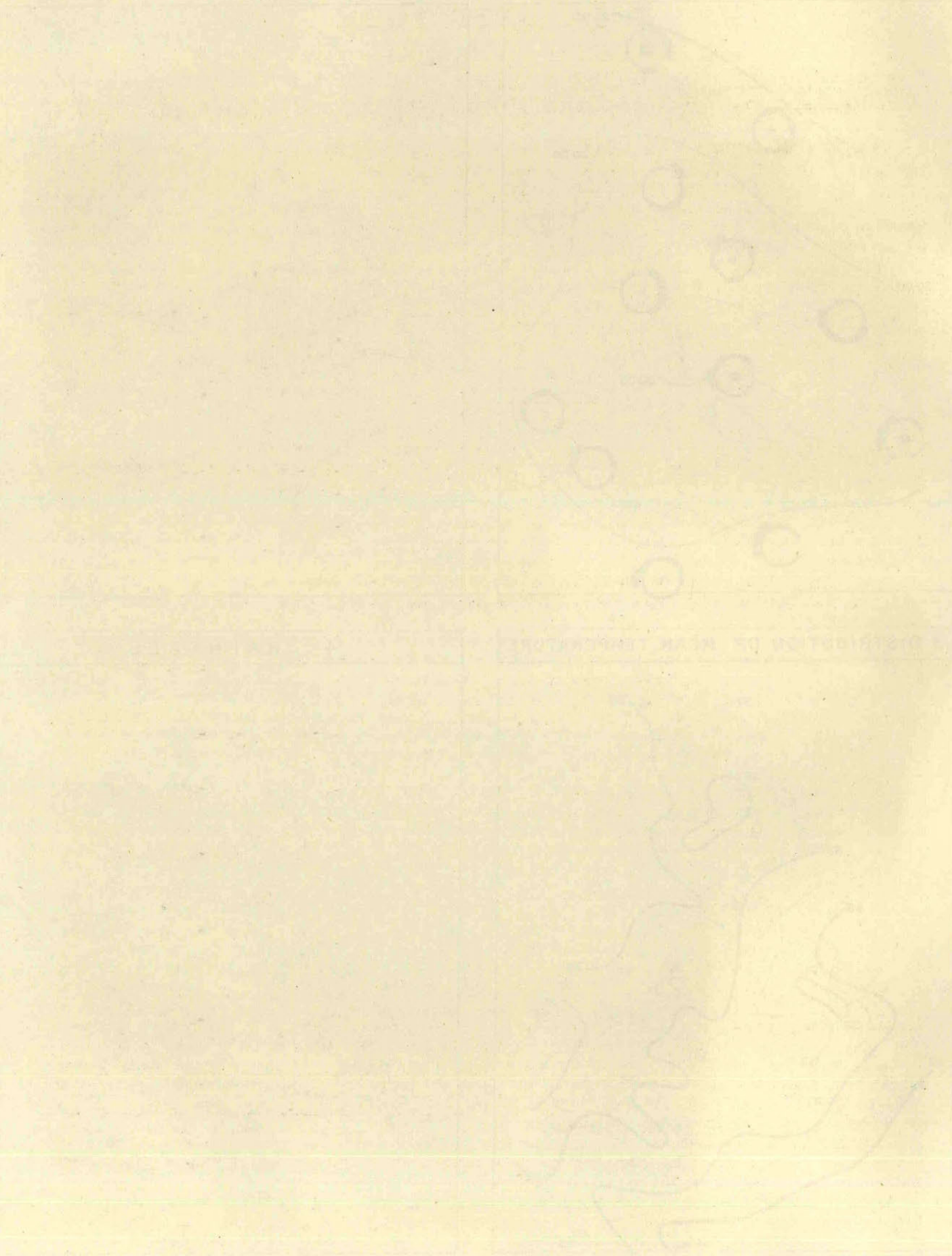
3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



THE DISTRIBUTION OF MEAN TEMPERATURES
IN THE NORTH ATLANTIC OCEAN



DISTRIBUTION OF MEAN TEMPERATURES

SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

APRIL 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather was fine, warm, and dry during the early part of the month, but afterwards changeable and unsettled. Pressure was high, especially in the north-west; temperature slightly below the normal; the winds rather variable, though mostly from some northerly point; rainfall very deficient; and the amount of bright sunshine unusually large. Brilliant aurora was seen in nearly all parts of the United Kingdom on the night of the 25th, and in Scotland on many other occasions. Thunderstorms occurred at some of the English stations between the 6th and the 10th.

Pressure.—Mean for the month at 8 a.m. ranged from 30·05 ins. and upwards, over the central and south-western parts of Ireland, and from 30·0 ins. and upwards, over nearly the whole of Ireland, England, and the Channel, to a little above 29·9 ins. in the Shetlands. The general distribution was anticyclonic, and the mean values were everywhere in excess of the average,* the difference amounting to between 0·10 in. and 0·15 in. over the greater part of England and Scotland, and to as much as 0·20 in. in the north-west of Ireland. *Highest* readings were observed as a rule on the 1st, when the barometer rose to between 30·3 ins. and 30·5 ins. in all but the extreme northern parts of the kingdom. *Lowest* readings were registered either on the 15th, 16th, or 27th, the mercury falling on one or other of these dates to 29·5 ins. or less in most districts. *Range* was moderate.

Depressions were not at all numerous, the most important being those of the 15th—18th, and the 27th—30th. In the former instance a small system of increasing intensity travelled eastwards along the English Channel, and subsequently north-eastwards to the south of Sweden; in the latter a well-marked disturbance advanced over the northern and eastern parts of Great Britain from the north-westward. On reaching the southern part of the North Sea it changed its course, and ultimately travelled northwards across Norway.

Anticyclones.—Four such systems were observed. The first of these lay directly over our Islands at the beginning of the month, but soon passed away to the eastward and dispersed. The second extended over our northern districts from Scandinavia between the 7th and 10th, and then moved south-eastwards, across Europe, and disappeared from our area. The third advanced over the United Kingdom from the Atlantic on the 18th and 19th, and after lying for a time off our south-west coasts ultimately passed away again over the ocean. The fourth also advanced from the westward on the 29th, and was found at the close of the month over Ireland, England, and France.

Winds.—At the northern and eastern stations the prevailing winds were from some northerly point, but on our southern coasts there was great variability, a rather large proportion of breezes from the eastward being reported at Scilly and Jersey. Gales were rare, the number ranging from one or two in most districts to four at Wick and Aberdeen. On the north-west coasts of Great Britain there were none.

Temperature.—*Mean at Sea Level* ranged from nearly 50° at Jersey and from 48° and upwards over the south of Ireland and a considerable portion of the south of England to between 43° and 44° on the east coast of Great Britain, and to very little above 41° in the Shetlands and Hebrides. The mean distribution agreed fairly with the normal, but the actual values were in most regions rather below the average,* the departure being least (0·2° to 0·5°) over the southern parts of England and Ireland, and greatest (1·5° or more) at some of our northern and eastern stations. *Highest* readings were registered on irregular dates during the first week, when the thermometer rose to 70° or a little above in many parts of Great Britain. *Lowest* readings were observed as a rule between the 15th and the 17th, when sharp frost occurred in most places; at Braemar the thermometer fell to 11°, at Newton Reigny to 14°, and at Glenlee to 17°; minima below 20° were recorded at several other northern stations. *Range* was large, especially over some of the inland parts of our northern districts, where it amounted to 50° or more; at Braemar it was as much as 56°. *Relative Humidity* varied from 90 per cent. or more in the Shetlands and Hebrides, and from 85 per cent. or more in some parts of the south of England to 71 at Liverpool, and to only 68 at Aberdeen. *Vapour Tension* exceeded 0·25 in. on the south coasts of Ireland and England, and was as high as 0·28 in. at Scilly. At Aberdeen and Hawes Junction it was below 0·20 in.

Rainfall was very deficient, especially over Ireland and the central and southern parts both of England and Scotland, where the fall amounted to less than half the average,* and in some places to less than one fourth of the normal quantity. The only localities in which there was any excess were—the county of Norfolk, isolated portions of the north of Scotland, and the stations at Arlington, and Jersey. The largest aggregates for the month were 4·4 ins. at Glencarron, and 3·2 ins. at Arlington; the smallest were 0·5 in. at Ardrossan and 0·6 in. at Ochertyre and Glasgow. A heavy fall of snow occurred in the south-east of England on the 15th and 16th.

Bright Sunshine was largely in excess of the average,*—more than 50 per cent. of the possible amount being recorded at most of the English stations, as well as in isolated parts of Ireland and Scotland. At Torquay the per-centage was as high as 61, and at Southampton, Tenby, and Cullompton, 58°. The lowest values were 36 per cent. at Fort Augustus, and 38 per cent. at Edinburgh and Glasgow.

* The averages employed are—Pressure and Temperature for the 20 years, 1871–90; Rainfall for the 25 years, 1866–90; Bright Sunshine for the 10 years, 1881–90.

TABLE VII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail, (The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°910	+0°070	40°8	35°7	45°8	40°8	-0°6	27	14th, 15th, 16th	53	5th
	Wick	29°948	+°100	42°7	35°0	49°3	42°2	-0°7	23	14th, 16th, 17th	65	1st, 5th
	Stornoway	29°965	+°141	42°7	34°1	48°4	41°3	-1°8	24	14th	59	2nd
1. SCOTLAND, E.	Nairn	29°977	+°129	41°2	33°4	51°0	42°2	-1°9	21	17th	70	2nd
	Aberdeen	29°993	+°135	43°9	35°5	50°6	43°1	-0°6	23	16th	72	1st
	Leith	30°012	+°149	42°3	35°6	52°5	44°1	-0°9	26	15th	68	2nd
2. ENGLAND, N.E.	Shields	30°004	+°138	42°5	35°3	50°5	42°9	-0°9	25	16th	71	1st
	York	30°025	+°150	41°4	33°8	55°4	44°6	-1°0	24	16th	73	1st
	Spurn Head	29°993	+°130	42°4	37°0	48°7	42°9	-1°5	31	14th, 15th, 19th	65	4th
3. ENGLAND, E.	Yarmouth	29°986	+°114	43°4	37°6	49°0	43°3	-1°2	31	14th, 17th, 19th	64	22nd
	Cambridge	30°021	+°141	44°3	33°0	59°3	46°2	-0°4	24	14th, 15th	73	3rd, 5th
4. MIDLAND COUNTIES	Loughborough	30°040	+°161	40°0	32°7	57°7	45°2	-1°4	23	15th	73	5th
	Oxford	30°036	+°152	42°1	34°7	57°9	46°3	-0°2	23	15th	70	5th, 6th
5. ENGLAND, S.	London	30°015	+°138	44°6	37°1	58°2	47°7	-0°2	27	15th	73	4th, 5th
	North Foreland	29°981	+°111	45°5	39°1	50°0	44°6	-1°0	30	15th	69	4th
	Dungeness	29°975	+°111	45°4	37°4	51°5	44°5	-1°8	25	15th	59	11th
	Hurst Castle	30°022	+°151	44°7	38°4	54°8	46°6	0°0	28	15th	65	6th
6. SCOTLAND, W.	Ardrossan	30°016	+°159	44°9	37°5	52°4	45°0	-0°5	26	17th	65	3rd
7. ENGLAND, N.W.	Hawes Junction*	28°769	?	38°1	31°2	49°2	40°2	?	16	15th	67	3rd
	Liverpool	30°043	+°176	43°5	38°5	53°7	46°1	-0°4	30	15th, 16th, 19th	68	3rd
	Holyhead	30°034	+°177	45°5	40°2	52°4	46°3	-0°4	31	15th	70	3rd
8. ENGLAND, S.W.	Pembroke	30°032	+°180	44°7	40°9	51°3	46°1	-0°1	31	16th	65	6th
	Prawle Point	30°020	+°144	48°0	40°7	54°3	47°5	+1°2	30	17th	66	6th
9. IRELAND, N.	Malin Head	30°012	+°172	43°4	40°4	49°0	44°7	-1°2	31	16th	60	1st
	Donaghadee	30°044	+°185	44°6	41°3	52°3	46°8	+1°3	31	15th	61	11th, 21st
	Mullaghmore	30°041	+°202	44°2	39°4	52°6	46°0	-1°1	28	15th	66	3rd
	Belmullet	30°044	+°209	46°9	40°7	53°1	46°9	-1°3	29	15th	67	7th
10. IRELAND, S.	Parsonstown	30°056	+°192	43°2	35°4	56°7	46°1	-0°2	21	15th	68	1st, 11th
	Valencia (Cahiriveen)	30°051	+°197	47°8	40°7	55°4	48°1	-0°3	30	15th	70	10th
	Roche's Point	30°046	+°195	46°2	41°4	53°4	47°4	-0°5	31	15th	61	22nd
CHANNEL ISLANDS	Scilly	30°011	+°155	48°2	43°6	52°0	47°8	-0°6	35	14th, 15th, 16th	57	6th
	Jersey	30°016	+°144	48°4	42°3	55°5	48°9	0°0	32	15th	72	10th

* Hawes Junction is 1,135 feet above mean sea level, and the

REPORTING STATIONS in the BRITISH ISLANDS during the Month of APRIL 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
in.	%		ins.	ins.	ins.																	
0.227	90	6.9	1.20	-0.87	0.25	21st	18	4	1	0	0	15	2	9	2	1	2	2	2	5	3	4
229	84	5.2	2.08	+0.40	0.45	29th	16	5	0	0	6	7	4	6	0	2	1	6	1	4	8	2
250	91	6.9	1.15	-1.50	0.12	22nd, 26th	20	4	0	0	2	12	1	6	5	2	1	0	4	6	1	5
217	85	5.2	1.16	-0.10	0.24	27th	15	5	3	0	6	6	0	1	0	3	1	0	3	10	3	9
194	68	4.8	0.97	-1.19	0.35	27th	14	7	5	0	0	3	4	2	1	2	2	4	3	7	9	0
213	80	7.1	0.88	-0.69	0.31	27th	7	5	1	0	2	13	1	4	2	5	0	1	1	9	4	4
216	80	6.9	1.07	-0.73	0.55	27th	11	4	1	1	0	10	2	3	0	1	0	1	4	7	13	1
217	84	4.5	1.48	-0.27	0.62	27th	12	2	0	0	15	8	0	11	3	1	2	1	1	7	4	0
223	83	6.4	1.29	-0.16	0.42	14th	14	3	3	1	2	6	1	5	4	1	0	1	6	6	6	1
230	81	4.2	1.94	+0.24	0.71	16th	12	5	2	0	14	3	0	5	5	2	1	2	2	6	7	0
229	78	4.8	1.23	-0.46	0.19	27th	12	8	1	1	8	9	0	11	5	0	0	3	4	2	5	0
202	82	6.5	0.66	-1.12	0.23	27th	8	4	0	0	3	6	0	2	4	2	2	0	2	6	9	3
213	80	4.4	0.76	-1.02	0.20	27th	8	3	0	0	16	9	0	1	10	2	1	0	3	5	6	2
218	74	5.1	1.25	-0.59	0.33	15th, 27th	9	4	3	1	14	10	1	5	5	3	1	2	5	3	4	2
249	82	3.6	0.88	?	0.43	15th	10	1	1	3	15	8	3	2	8	2	2	2	0	6	8	0
256	85	5.8	1.02	-0.75	0.46	15th	8	3	1	0	0	3	2	5	10	3	0	0	2	5	2	3
251	85	5.4	0.67	-1.16	0.18	18th	9	0	0	0	4	5	1	3	12	5	0	0	1	5	3	1
244	83	4.2	0.45	-1.69	0.27	26th	6	2	0	0	8	5	0	0	9	1	1	2	2	6	3	6
193	84	5.4	2.34	?	0.79	27th	13	4	0	0	5	12	0	5	5	8	4	3	3	2	0	0
203	71	4.9	1.53	-0.02	0.31	12th	13	3	1	1	13	10	0	2	4	6	5	1	3	6	2	1
242	80	5.1	1.16	-0.74	0.27	24th	14	3	1	1	0	6	0	5	4	4	0	1	4	3	3	6
253	86	5.0	1.51	-0.43	0.42	28th	14	3	0	0	4	6	1	5	7	9	1	1	2	2	3	0
251	75	4.3	1.42	-0.65	0.53	26th	13	5	0	1	8	7	2	4	10	4	1	1	1	5	4	0
226	80	5.4	1.31	?	0.23	5th, 25th	16	6	3	0	6	12	1	4	2	3	5	6	3	4	3	0
241	82	4.7	0.65	-1.27	0.16	27th	15	0	0	0	3	4	1	5	8	3	1	1	3	6	3	0
230	79	5.0	1.13	-0.92	0.21	19th	16	4	4	0	10	3	3	5	7	4	1	3	5	1	3	1
248	78	5.6	2.21	?	0.50	24th	15	3	0	1	8	11	1	5	3	7	2	5	2	3	3	0
230	82	4.7	0.98	-1.06	0.29	24th	11	2	0	1	5	5	0	0	3	0	1	0	2	0	5	19
265	80	5.8	1.63	-2.20	0.36	4th	16	2	2	1	3	7	2	2	5	5	2	4	1	2	4	5
248	80	4.8	0.73	-2.51	0.35	28th	8	3	0	1	0	6	0	8	3	5	1	3	2	3	5	0
276	83	5.7	1.18	-1.09	0.24	28th	13	1	3	1	1	7	1	4	5	8	1	3	3	1	5	6
268	79	5.1	2.33	+0.25	0.54	15th	13	3	4	2	7	8	2	0	8	5	3	1	0	8	5	0

Barometer at this station is not reduced for altitude.

TABLE VIII.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of APRIL 1892.

NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	°	°	°	ins.	ins.	ins.	°	197'4	+45'1	46	°	+10
LAIRG	30'6	51'6	41'1	-1'5	17	16th	67	2nd	21	1'86	-0'40	0'31	23rd	—	—	—	—
GLENCARRON	33'4	51'3	42'4	-0'5	17	15th	67	10th	17	4'35	+0'09	0'37	21st	—	—	—	—
FORT AUGUSTUS	33'2	51'3	42'5	-1'5	19	14th	66	2nd	17	1'38	-0'66	0'22	26th	151'1	?	36	?
FORT WILLIAM	35'0	51'9	43'5	-1'6	22	14th, 17th	66	3rd	16	2'01	-1'53	0'48	26th	178'4	?	42	?
ABERDEEN	°	°	°	°	°	°	°	°	°	°	°	°	°	219'1	+76'1	52	+18
BRAEMAR	30'2	50'4	40'3	-0'6	11	16th	67	4th	12	0'81	-1'55	0'30	27th	204'5	?	48	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	158'7	?	38	?
OCHTERTYRE	33'9	54'5	44'2	+0'1	23	14th	72	2nd	8	0'58	-1'76	0'35	26th	—	—	—	—
MARCHMONT	34'1	51'0	42'6	-0'4	22	16th	71	2nd	8	1'29	-1'12	0'40	27th	204'3	?	49	?
ALNWICK CASTLE	35'8	48'0	42'4	-0'4	22	15th	66	1st	16	1'09	-1'19	0'48	27th	—	—	—	—
DURHAM	33'8	52'5	43'2	-0'7	20	16th	71	1st	17	1'31	-0'81	0'71	27th	172'8	+60'1	41	+14
SCARBOROUGH	37'8	50'0	43'9	-0'7	28	16th	67	4th	13	1'26	-0'69	0'64	27th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	181'0	?	43	?
YORK	°	°	°	°	°	°	°	°	°	°	°	°	°	178'8	+50'2	43	+12
HILLINGTON	34'2	55'1	44'7	-1'2	23	14th	72	5th	11	1'79	+0'04	0'64	27th	200'6	+54'6	48	+13
GELDESTON	34'3	54'8	44'6	-1'1	23	15th	75	4th	15	2'28	+0'76	0'88	16th	217'9	+54'5	53	+13
CAMBRIDGE	°	°	°	°	°	°	°	°	°	°	°	°	°	216'8	+69'0	53	+17
ROTHAMSTED	33'8	57'0	45'4	-0'1	27	14th, 27th	71	4th	12	0'71	-1'42	0'32	27th	223'4	?	54	?
BAWTRY	32'6	56'6	44'6	-1'4	20	18th	71	2nd	8	1'09	-0'59	0'37	14th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	160'3	+37'6	39	+9
STAMFORD (KETTON HALL).	32'6	58'1	45'4	-1'3	25	1st, 2nd, 3rd, 27th.	72	5th, 6th	12	0'85	-1'07	0'32	27th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	200'4	+85'0	48	+20
CHEADLE	35'7	54'4	45'1	+0'6	26	15th, 16th, 17th, 18th.	72	1st	10	1'00	-1'11	0'42	27th	—	—	—	—
CHURCHSTOKE	31'7	55'3	43'5	-0'8	20	17th	68	1st	9	0'91	-0'95	0'24	14th	217'3	+81'6	52	+19
HEREFORD	35'0	57'7	46'4	+0'1	24	15th	70	6th	8	0'72	-1'07	0'16	13th, 27th	—	—	—	—
CIRENCESITER	33'2	56'7	45'0	-0'2	19	15th	69	6th	9	0'94	-1'19	0'25	20th	236'7	+94'5	57	+22
OXFORD	°	°	°	°	°	°	°	°	°	°	°	°	°	215'3	+74'1	52	+18
LONDON	°	°	°	°	°	°	°	°	°	°	°	°	°	195'3	+71'0	47	+17
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	206'2	?	50	?
STRATHFIELD TURGIS	33'3	59'4	46'4	-0'4	23	17th	71	4th	10	0'83	-1'01	0'15	20th	—	—	—	—
HASTINGS	38'9	53'3	46'1	-1'3	30	15th, 16th, 18th	62	5th, 6th, 9th, 10th, 11th.	12	1'21	-0'81	0'50	15th	234'6	+68'0	57	+16
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	235'1	?	57	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	231'7	?	56	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	233'5	?	57	?
SOUTHAMPTON	37'9	61'1	49'5	+1'7	28	17th, 18th	74	6th	8	0'74	-1'39	0'26	20th	239'0	+76'4	58	+18
STOWELL	36'2	56'6	46'4	+0'2	23	15th	71	6th	9	1'18	?	0'29	20th	—	—	—	—
LAUDALE	36'4	54'0	45'2	-0'3	23	15th	66	2nd, 3rd	16	2'35	-1'63	0'50	26th	—	—	—	—
GLASGOW	35'8	51'4	43'6	-1'1	25	17th	64	2nd	13	0'58	-1'61	0'27	26th	158'5	+32'0	38	+8
GLENLEE	32'0	54'0	43'0	-0'8	17	16th	67	2nd, 3rd, 11th	14	1'28	-1'63	0'56	26th	—	—	—	—
DOUGLAS	36'5	52'0	44'3	-0'9	26	15th	61	10th, 11th	14	1'64	-0'70	0'33	26th	239'5	+61'4	57	+14
NEWTON REIGNY	32'4	53'5	43'0	-0'6	14	15th	72	3rd	10	1'08	-0'80	0'50	27th	216'5	+76'0	52	+18
STONYHURST	35'5	51'4	43'5	-1'8	24	14th, 16th	66	3rd	12	2'32	-0'08	0'45	27th	202'1	+66'2	48	+15
BLACKPOOL	38'8	52'1	45'5	-0'2	26	15th	65	11th	13	1'55	-0'15	0'24	20th	191'7	+47'6	46	+12
MANCHESTER	36'4	53'3	44'9	-0'6	27	14th	69	3rd	13	1'46	-0'52	0'35	27th	—	—	—	—
LLANDUDNO	39'0	53'0	46'0	-0'9	27	15th	70	3rd	14	1'06	-0'75	0'34	24th	223'7	+85'6	54	+21
LLANDOVERY	33'4	58'6	46'0	+0'7	21	16th, 19th	73	3rd, 6th	14	1'58	-1'21	0'41	20th	—	—	—	—
PEMBROKE	°	°	°	°	°	°	°	°	°	°	°	°	°	220'3	+37'4	53	+9
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	238'0	?	58	?
ARLINGTON	37'5	54'8	46'2	+1'1	26	14th, 15th, 16th	69	6th	12	3'23	+0'36	1'18	20th	—	—	—	—
CULLOMPTON	36'3	58'8	47'6	+1'2	21	15th	72	6th	7	1'24	-1'34	0'60	20th	239'2	+93'8	58	+23
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	252'0	?	61	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	226'3	?	55	?
FALMOUTH	42'1	52'7	47'4	-0'1	32	15th, 17th	62	6th	11	1'40	-1'63	0'52	28th	231'5	+58'5	56	+14
PLYMOUTH	41'7	55'2	48'5	+0'1	27	15th	68	6th	9	1'20	-1'21	0'39	28th	221'9	+52'8	54	+13
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	228'5	?	56	?
JERSEY	°	°	°	°	°	°	°	°	°	°	°	°	°	231'6	+44'0	57	+11
LONDONDERRY	37'4	—	—	—	29	14th, 16th	—	—	14	0'92	-1'36	0'18	26th	—	—	—	—
MARKREE CASTLE	34'1	55'0	44'6	-1'2	18	15th	68	3rd, 11th	16	1'52	-0'94	0'38	24th	196'9	+47'2	47	+11
BROOKEBOROUGH	34'3	56'2	45'3	+0'3	18	15th	71	2nd	13	0'88	-1'66	0'14	19th, 26th, 27th	—	—	—	—
ARMAGH	34'7	55'5	45'1	-0'1	22	16th	68	3rd	13	0'70	-1'44	0'12	20th	208'6	+69'6	50	+17
EDGEWORTHSTOWN	35'0	55'7	45'4	+0'5	23	14th, 15th, 16th	66	2nd	13	1'08	-1'22	0'44	25th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	184'0	?	44	?
DUBLIN	38'6	53'8	46'2	-0'8	27	15th	64	20th, 21st	13	1'11	-0'92	0'41	24th	226'2	+64'1	55	+16
PARSONSTOWN	°	°	°	°	°	°	°	°	°	°	°	°	°	209'0	+49'1	50	+11
KILKENNY CASTLE	36'4	56'4	46'4	-0'3	23	19th	67	2nd, 10th, 11th	11	1'11	-1'04	0'33	24th	—	—	—	—
WATERFORD	37'6	56'0	46'8	-0'8	25	19th	65	2nd, 10th	13	0'98	-1'65	0'31	28th	—	—	—	—
VALENCIA (CAHIREEN).	°	°	°	°	°	°	°	°	°	°	°	°	°	212'0	+42'5	51	+10
KILLARNEY	39'2	57'4	48'3	+0'5	23	17th	70	11th	15	1'61	?	0'37	28th	—	—	—	—
FOYNES	40'1	56'3	48'2	+1'1	28	13th, 14th, 16th	69	10th	11	1'15	?	0'27	28th	—	—	—	—

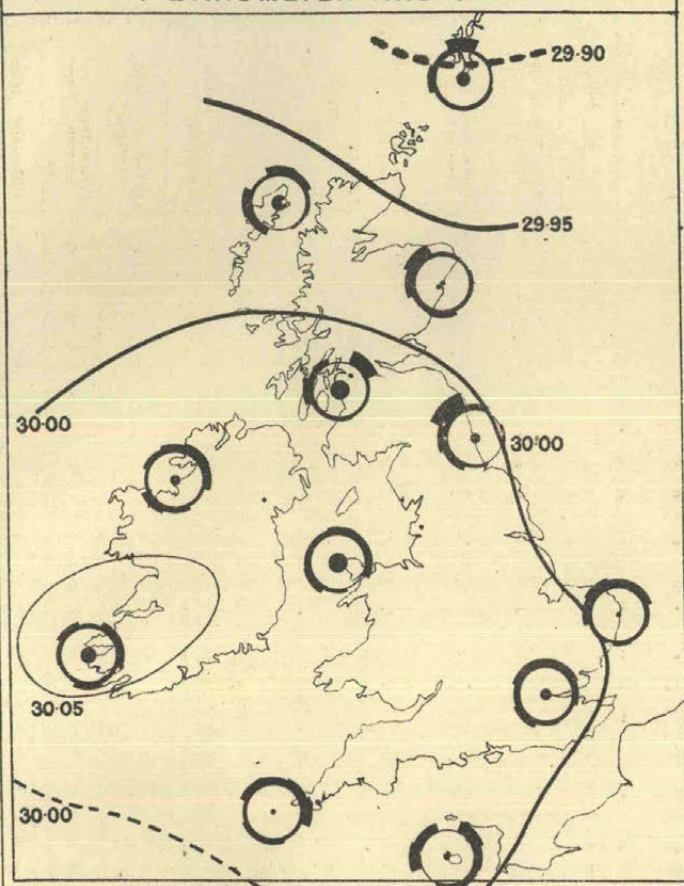
* For information see Table VII.

MONTHLY WEATHER CHART, APRIL, 1892.

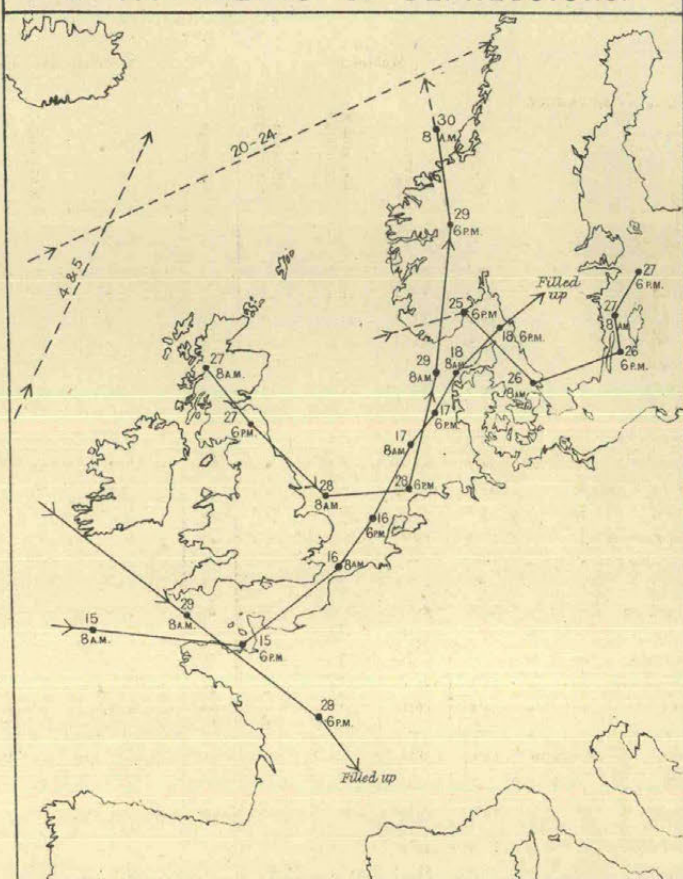
Monthly Summary

Plate IV.

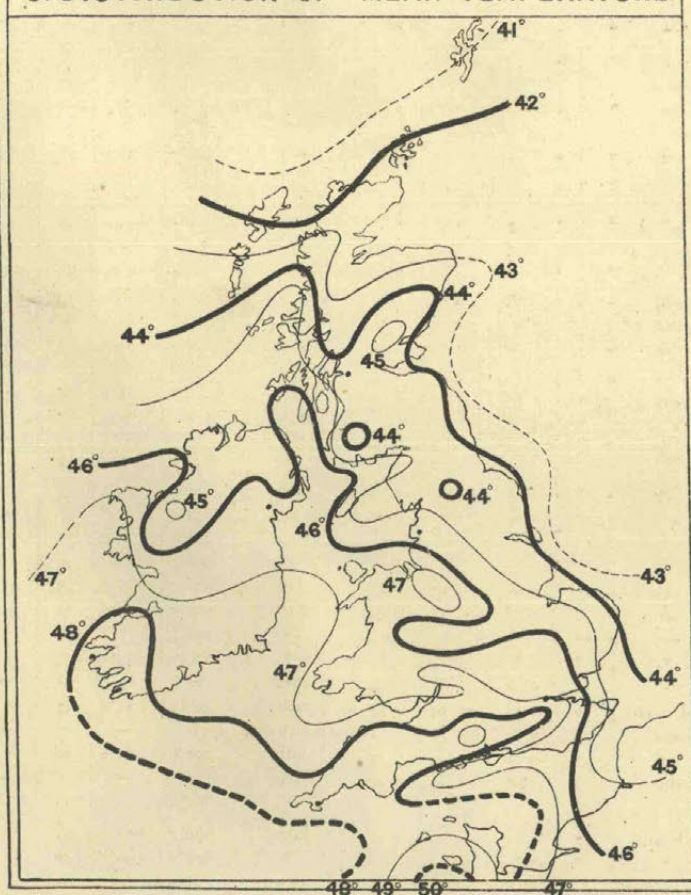
1. BAROMETER AND WIND.



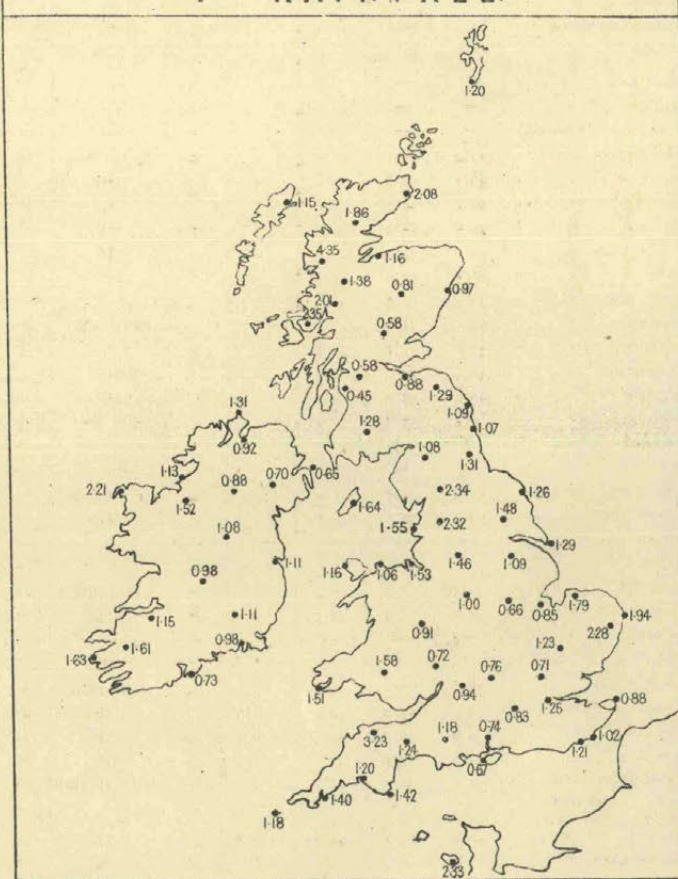
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



REPORT ON THE PROGRESS OF THE WORK DURING THE YEAR 1885

The work of the year has been devoted to the study of the history of the country, and to the collection of materials for the history of the people. The most important results of the year are the discovery of the remains of the ancient city of Nineveh, and the discovery of the remains of the ancient city of Babylon.

The discovery of the remains of the ancient city of Nineveh is of great importance, as it shows that the city was founded by the Assyrians, and that it was one of the most important cities of the world. The discovery of the remains of the ancient city of Babylon is also of great importance, as it shows that the city was founded by the Babylonians, and that it was one of the most important cities of the world.

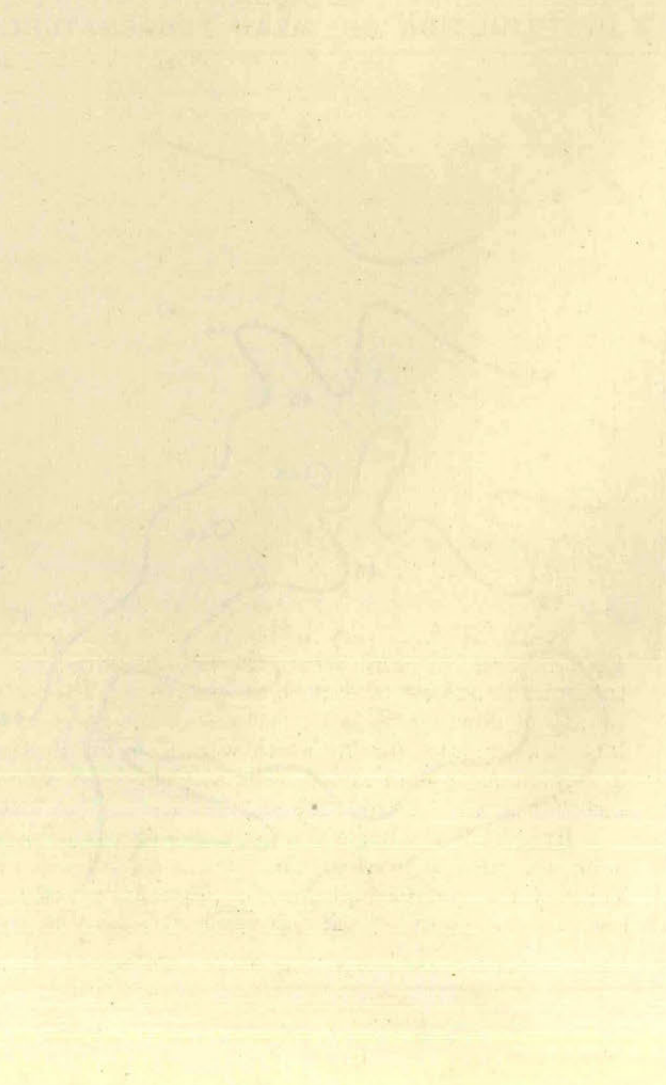
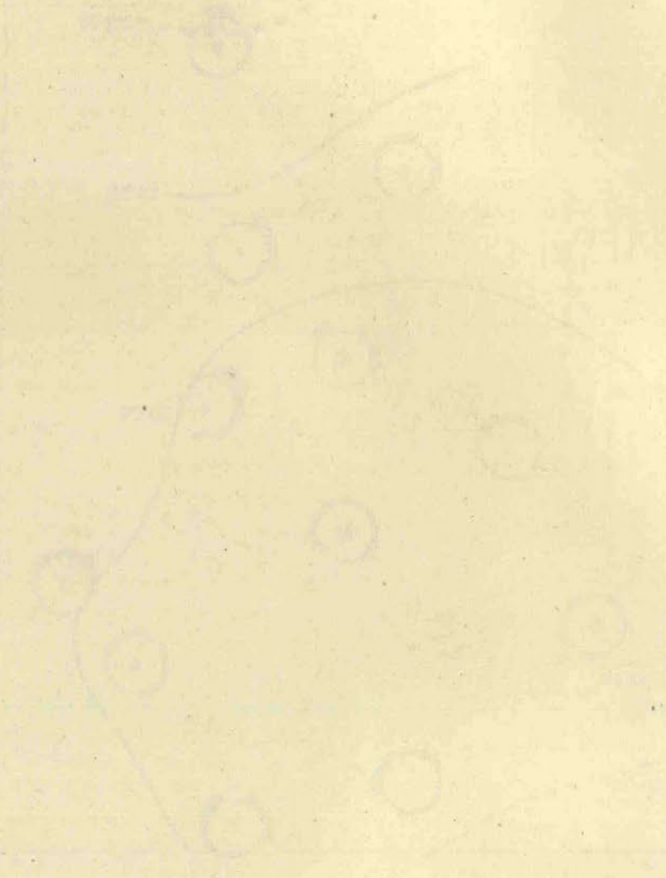
The discovery of the remains of the ancient city of Nineveh is of great importance, as it shows that the city was founded by the Assyrians, and that it was one of the most important cities of the world. The discovery of the remains of the ancient city of Babylon is also of great importance, as it shows that the city was founded by the Babylonians, and that it was one of the most important cities of the world.

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SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

MAY 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather during the early part of May was fair and dry, with a progressive rise of temperature in the daytime, but with cold nights. About the middle of the month, however, a decided change took place, and for the remainder of the time changeable showery conditions prevailed generally, with thunderstorms in many parts of England. Pressure differed little from the normal; temperature was mostly above the average; the winds were very variable; and rainfall, though greatly in excess in the northern districts and in Ireland, was very deficient in the south of England. Bright sunshine varied greatly in different localities, but was, as a rule, less prevalent than usual.

Pressure.—*Mean for the Month at 8 a.m.* ranged from a little above 30·0 ins. over the Channel and south of England to 29·85 ins. in the Hebrides. The general distribution showed a very fair agreement in type with the normal, but as the actual readings were a trifle above the average* over England and a trifle below it in Scotland and the north of Ireland, the mean gradient (for South-westerly winds) was rather more decided than usual. *Highest* readings occurred on the 11th and 12th, when the barometer rose to between 30·3 ins. and 30·5 ins. in all parts of the kingdom, the latter value being reached in the north-east of Scotland. *Lowest* readings were registered in most places on the 16th, when the barometer fell below 29·5 ins. on our north and north-east coasts generally, and below 29·3 ins. in the north of Scotland. In the south-western parts of the kingdom the lowest values (29·6 ins. to 29·7 ins.) were recorded on the 28th. *Range* was moderate.

Depressions were rather numerous in the latter part of the month, and travelled in various directions (see Map 2, Pl. V.). The deepest systems were those which traversed our northern coasts respectively on the 16th and the 19th–20th, but the disturbance of the 1st–5th was interesting on account of its rapid advance south-eastwards past our extreme south-west coasts, and its subsequent slower movement over the Bay of Biscay, where it finally dispersed.

Anticyclones.—Two large systems were observed during the earlier half of the month. The first of these advanced over our islands from the northward between the 5th and 7th, while the second spread over from the Continent a day or two later, and remained with us until the 13th. During the latter part of the month the highest pressures were observed over the Bay of Biscay, France, and Southern Europe.

Winds were very variable. On our eastern coasts the Easterly current was rarely observed, while in the west there were very few breezes from the Northward, but with these exceptions, there was a fair representation of winds from nearly all points of the compass. Gales were rather frequent on the Irish coasts and in the English Channel; at Mullaghmore there were as many as 8, and at the North Foreland; on the west coasts of Great Britain scarcely any were reported.

Temperature.—*Mean at sea level* ranged from 55° and upwards over Middlesex, Surrey, and Hampshire, and the Channel Islands, and from about 54° at one or two stations in the south of Ireland to 47° and less in the Shetlands, and to 45° or less in the Hebrides. Over Ireland and England the general distribution was of a more pronounced summer type than is usual in May, but in Scotland it did not differ much from the normal. The mean values were, however, above the average* at all but our extreme northern stations, the excess being greatest (about 2°) over the inland parts of England. *Highest* readings were observed in Ireland and the north of Scotland on the 10th and 11th, but over Great Britain generally on the 28th or 31st, when the thermometer exceeded 80° at several of the English inland stations. *Lowest* readings were recorded mostly on the 6th and 7th over Great Britain, but a day or two later in Ireland, and at various times in the north of Scotland. Sharp frost occurred in most of the inland districts, and also on many parts of our northern coasts, the lowest shade readings being 24° at Cirencester, and 25° at Loughborough and Strathfield Turgiss. *Range* was large, especially over our midland and eastern counties where it amounted to considerably over 50°; at Cambridge the value was as high as 58°, and at Loughborough 56°. *Vapour Tension* ranged from between 0·32 in. and 0·34 in. on our southern coasts to 0·26 in. in the Shetlands and to 0·25 in. at Aberdeen. *Relative Humidity* was above 90 per cent. in the Hebrides and at Pembroke, but below 80 per cent. over the greater part of England, and as low as 68 per cent. in London.

Rainfall was in excess of the average* in Ireland, Scotland, and the north of England, the amounts at several of the Irish stations being more than twice as much as the normal. Over the central and southern parts of England, however, there was a considerable deficiency, and in the extreme south the aggregate fall was less than half the average. The largest amounts reported were 5·9 ins. at Fort Augustus and Glenlee, 5·8 ins. at Laudale, and 5·7 ins. at Glencarron, Brookeborough, and Stoneyhurst; the smallest were 0·2 in. at Dungeness, 0·3 in. at Hastings and North Foreland, and 0·5 in. at Stowell. At Hastings and Southampton there were only 4, and at Dungeness only 5 days with rain.

Bright Sunshine was below the average* at all but a few of the British stations, where there was a slight excess. The per-centage of the possible amount ranged from 66 at Guernsey, 58 at Jersey, and 52 at Hastings to less than 40 in most of the western and northern districts, and to only 27 at Fort Augustus.

* The averages employed are—*Pressure and Temperature*, the 20 years 1871–90; *Rainfall*, the 25 years 1866–91; *Bright Sunshine*, the 10 years 1881–90.

TABLE IX.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail, (The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				Means of					Absolute Extremes.			
				At 8 a.m.	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°881	+0°002	44°5	39°5	48°9	44°2	-1°1	33	23rd	56	28th, 31st
	Wick	29°873	-°028	47°7	41°1	53°5	47°3	0°0	30	18th	65	30th
	Stornoway	29°850	-°036	47°5	40°5	52°8	46°7	-0°5	30	8th	63	11th
1. SCOTLAND, E.	Nairn	29°869	-°039	49°1	40°4	57°8	49°1	-0°2	32	10th	72	31st
	Aberdeen	29°911	-°007	48°1	41°1	55°5	48°3	-0°2	32	7th	66	27th
	Leith	29°912	-°020	50°4	42°7	58°4	50°6	+0°5	33	1st, 2nd	72	31st
2. ENGLAND, N.E.	Shields	29°930	-°013	49°4	42°4	57°0	49°7	+1°0	34	7th, 21st	70	31st
	York	29°971	+°009	50°7	43°8	61°2	52°5	+1°6	33	1st	76	31st
	Spurn Head	29°960	+°004	50°2	44°4	56°3	50°4	+0°7	36	7th	69	25th, 30th
3. ENGLAND, E.	Yarmouth	29°980	+°013	51°7	45°3	56°8	51°1	+0°9	32	7th	70	25th
	Cambridge	29°999	+°023	54°8	43°1	65°3	54°2	+2°2	26	7th	84	31st
4. MIDLAND COUNTIES	Loughborough	29°999	+°026	51°5	44°2	63°9	54°1	+1°9	25	1st	81	28th
	Oxford	30°012	+°031	52°4	44°7	63°1	53°9	+1°9	30	7th	77	28th
5. ENGLAND, S.	London	30°010	+°029	55°6	45°3	65°3	55°3	+1°9	29	7th	83	31st
	North Foreland	29°986	+°016	54°3	45°4	59°8	52°6	+1°5	33	7th	82	28th
	Dungeness	29°994	+°024	53°6	44°9	59°0	52°0	+0°1	30	7th	76	31st
	Hurst Castle	30°024	+°042	53°1	46°2	60°3	53°3	+1°1	33	7th	69	28th
6. SCOTLAND, W.	Ardrossan	29°915	-°020	50°7	44°2	57°0	50°6	+0°4	34	6th	68	10th
7. ENGLAND, N.W.	Hawes Junction*	28°716	?	45°5	39°1	54°3	46°7	?	28	2nd, 6th	71	31st
	Liverpool	29°976	+°015	51°8	46°2	60°4	53°3	+1°8	36	1st, 5th	76	28th
	Holyhead	29°966	+°010	50°8	45°6	56°3	51°0	-0°2	38	7th	66	28th
8. ENGLAND, S.W.	Pembroke	29°988	+°027	49°9	46°6	54°9	50°8	+0°3	39	5th, 7th	65	11th
	Prawle Point	30°018	+°026	52°0	46°4	57°1	51°8	+0°8	38	1st	68	11th
9. IRELAND, N.	Malin Head	29°874	-°051	49°1	46°0	55°2	50°6	-0°6	40	6th	65	12th, 30th
	Donaghadee	29°937	-°010	50°4	46°6	57°4	52°0	+1°9	40	3rd	65	27th
	Mullaghmore	29°906	-°023	50°7	46°2	57°3	51°8	+0°3	38	5th	68	10th
	Belmullet	29°911	-°014	52°2	46°4	56°0	51°2	-0°9	40	4th, 9th	68	10th
10. IRELAND, S.	Parsonstown	29°944	-°014	52°3	45°0	61°1	53°1	+2°0	32	5th	70	11th
	Valencia (Cahiriveen)	29°963	°000	53°1	46°9	58°5	52°7	+0°5	36	8th	67	10th
	Roche's Point	29°960	+°001	52°0	46°5	56°2	51°4	-1°2	38	6th	60	15th, 18th, 19th, 21st, 29th.
CHANNEL ISLANDS	Scilly (St. Mary's)	29°991	+°017	53°4	48°6	57°0	52°8	+0°5	40	7th	62	12th, 13th, 25th, 29th, 30th.
	Jersey	30°034	+°045	55°0	47°8	61°4	54°6	+1°3	36	7th, 8th	73	30th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

REPORTING STATIONS in the BRITISH ISLANDS during the Month of MAY 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.									
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of									
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.	
in. 0.259	% 89	7.5	ins. 2.70	ins. +0.98	ins. 0.58	25th	22	0	0	0	0	15	0	4	7	2	3	4	0	3	5	3	
287	87	7.1	2.44	+0.75	0.42	25th	18	0	1	0	4	15	2	4	1	3	5	8	2	2	6	0	
304	94	7.6	3.45	+0.84	1.00	23rd	24	0	0	0	3	19	6	1	5	1	4	5	7	4	3	1	
286	82	6.5	2.15	+0.54	0.29	18th	17	0	1	0	3	10	0	0	1	7	2	0	9	1	1	10	
254	76	6.5	2.40	+0.41	0.35	22nd	20	0	1	0	1	9	3	4	3	2	5	7	3	4	3	0	
284	79	8.1	2.71	+1.04	0.47	22nd	15	0	0	0	1	17	0	2	8	3	1	1	6	7	0	3	
287	82	8.1	2.19	+0.50	0.41	27th	16	0	0	1	1	14	2	3	2	0	4	5	5	4	7	1	
291	79	6.1	2.92	+1.07	1.13	27th	19	0	0	2	9	11	0	6	2	2	3	6	4	5	3	0	
291	81	7.5	1.96	+0.39	0.34	3rd	16	0	1	3	1	11	5	6	3	1	4	2	7	6	2	0	
309	81	4.2	1.53	-0.33	0.49	2nd	13	0	2	3	13	2	0	3	6	0	2	5	4	6	5	0	
325	76	6.1	1.24	-0.66	0.37	25th	12	0	0	4	6	12	0	4	6	2	0	7	8	2	2	0	
295	78	6.7	2.34	+0.25	0.60	3rd	16	0	0	4	3	9	3	2	5	2	3	2	7	5	5	0	
304	77	6.1	1.29	-0.66	0.48	26th	12	0	1	2	10	13	0	3	6	2	1	6	5	4	3	1	
300	68	5.1	1.30	-0.56	0.72	25th	11	0	0	3	10	7	0	0	7	1	2	3	7	7	2	2	
334	79	4.4	0.29	?	0.08	2nd, 17th	10	0	0	1	8	6	7	5	5	1	1	4	5	7	3	0	
337	81	5.5	0.16	-1.63	0.10	31st	5	0	0	1	2	4	4	4	8	2	1	1	6	7	2	0	
344	84	4.1	1.03	-0.74	0.48	26th	7	0	0	3	6	1	5	2	7	3	1	2	8	6	2	0	
314	85	6.6	4.41	+2.07	0.65	22nd	17	0	0	1	2	11	0	1	6	3	1	6	5	7	0	2	
272	90	7.0	6.32	?	0.78	18th	20	0	1	3	6	19	0	3	4	4	5	8	5	2	0	0	
279	73	6.6	2.62	+0.78	0.44	31st	18	0	1	1	7	15	1	2	2	5	7	5	3	6	1	0	
318	85	6.8	2.59	+0.69	0.48	13th	21	0	0	2	1	13	0	0	4	2	1	4	8	4	2	6	
330	93	6.5	1.58	-0.45	0.32	28th	17	0	0	0	4	13	0	0	3	6	2	5	7	4	4	0	
325	84	5.4	0.66	-0.90	0.34	27th	12	0	0	1	8	11	0	2	6	5	0	3	7	8	0	0	
302	86	7.0	5.40	?	0.75	31st	19	0	1	1	6	19	2	0	2	1	8	6	6	6	2	0	
303	83	6.3	3.67	+1.41	0.55	24th	21	0	0	1	1	9	5	1	3	2	2	5	8	8	2	0	
321	87	7.1	4.66	+2.24	0.59	26th	21	0	0	1	5	12	8	2	2	6	3	5	8	3	1	1	
321	82	5.9	4.32	?	0.50	28th	17	0	1	1	3	14	6	2	2	5	2	4	6	8	2	0	
312	79	6.9	4.46	+2.22	1.16	28th	21	0	0	0	4	13	0	0	3	0	6	0	9	0	0	13	
334	82	7.7	2.66	-0.54	0.50	22nd	17	0	0	0	1	15	3	0	3	3	5	8	4	6	0	2	
323	83	5.8	4.55	+1.41	0.95	1st	16	0	0	0	0	10	6	3	2	3	4	5	7	4	3	0	
340	83	5.5	2.11	+0.38	1.02	29th	11	0	0	0	7	7	2	1	1	6	5	8	1	5	4	0	
330	76	4.7	1.02	-0.85	0.50	26th	9	0	0	2	6	5	0	2	6	5	3	2	4	5	4	0	

Barometer at this station is not reduced for altitude.

TABLE X.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of MAY 1892.

STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Per-centage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	°	°	°	°	ins.	ins.	ins.	°	171°5	-14°8	34	0/0
LAIRG	38°7	56°5	47°6	-0°2	29	6th, 8th	67	11th	23	2°90	+0°75	0°50	18th	—	—	—	-3
GLENCARRON	40°3	56°1	48°2	+0°8	29	6th	60	10th, 11th	25	5°74	+1°12	0°76	15th	—	—	—	—
FORT AUGUSTUS	40°6	56°2	48°4	+0°1	31	6th	68	26th	23	3°19	+1°10	0°75	15th	135°4	?	27	?
FORT WILLIAM	42°7	56°7	49°7	0°0	32	6th	68	10th	21	5°94	+2°32	1°37	15th	168°2	?	33	?
ABERDEEN	°	°	°	°	°	°	°	°	°	°	°	°	°	199°7	+6°4	40	+2
BRAEMAR	39°5	53°1	46°3	+0°1	27	2nd	64	26th, 31st	18	2°16	-0°10	0°39	25th	212°1	?	42	?
EDINBURGH	°	°	°	°	°	°	°	°	°	°	°	°	°	161°3	?	32	?
OCHTERTYRE	40°1	61°7	50°9	+2°3	28	5th	69	27th, 31st	19	4°05	+1°60	0°62	31st	—	—	—	—
MARCHMONT	41°1	56°8	49°0	+0°9	32	21st	70	31st	20	3°03	+0°67	0°45	31st	177°5	?	35	?
ALNWICK CASTLE	44°2	56°4	50°3	+2°5	34	1st	67	27th	19	3°10	+0°94	0°65	31st	—	—	—	—
DURHAM	41°7	59°4	50°6	+1°9	29	2nd	74	31st	17	2°34	+0°29	0°63	27th	150°8	-20°3	32	-4
SCARBOROUGH	44°1	56°9	50°5	+1°0	35	7th	69	27th, 30th	20	3°21	+1°26	0°65	27th	—	—	—	—
OSWALDKIRK	°	°	°	°	°	°	°	°	°	°	°	°	°	166°5	?	34	?
YORK	°	°	°	°	°	°	°	°	°	°	°	°	°	185°0	-2°1	38	0
HILLINGTON	43°4	62°3	52°9	+1°7	28	7th	83	31st	15	1°87	+0°02	0°52	2nd	212°6	+1°9	44	+1
GELDESTON	43°6	61°5	52°6	+1°6	29	7th	81	28th	13	1°61	-0°10	0°45	2nd	218°8	-10°3	45	-3
CAMBRIDGE	°	°	°	°	°	°	°	°	°	°	°	°	°	188°6	-11°2	39	-2
ROTHAMSTED	43°2	63°3	53°3	+2°5	26	7th	80	31st	15	1°31	-0°88	0°52	25th	200°5	?	42	?
BAWTRY	41°7	62°4	52°1	+0°9	26	7th	77	31st	15	2°43	+0°37	0°58	3rd	—	—	—	—
WORKSOP	°	°	°	°	°	°	°	°	°	°	°	°	°	166°1	-8°5	34	-2
STAMFORD (KETTON HALL)	42°9	63°8	53°4	+1°0	26	7th	81	28th	16	1°75	-0°68	0°45	3rd	—	—	—	—
THURCASTON	°	°	°	°	°	°	°	°	°	°	°	°	°	191°1	+15°4	39	+3
CHEADLE	43°3	59°8	51°6	+2°1	29	6th	76	28th	17	2°94	+0°55	0°95	27th	—	—	—	—
CHURCHSTOKE	42°1	60°9	51°5	+2°1	27	1st	76	28th, 31st	13	2°79	+0°63	0°96	27th	186°7	+0°7	38	0
HEREFORD	43°8	63°5	53°7	+1°8	28	1st	79	31st	15	1°66	-0°43	1°04	27th	—	—	—	—
GLOUCESTER	42°1	62°1	52°1	+1°5	24	7th	75	28th	10	0°93	-1°28	0°32	24th	197°4	+0°5	41	0
OXFORD	°	°	°	°	°	°	°	°	°	°	°	°	°	199°0	+6°6	41	+1
LONDON	°	°	°	°	°	°	°	°	°	°	°	°	°	189°7	+4°9	39	0
MARGATE	°	°	°	°	°	°	°	°	°	°	°	°	°	208°3	?	44	?
STRATHFIELD TURGIS	42°1	65°8	54°0	+1°8	25	7th	80	31st	13	1°13	-0°66	0°38	25th	—	—	—	—
HASTINGS	45°6	60°4	53°0	+0°5	33	7th	74	28th	4	0°29	-1°52	0°17	31st	248°8	+11°5	52	+2
EASTBOURNE	°	°	°	°	°	°	°	°	°	°	°	°	°	236°0	?	50	?
BRIGHTON	°	°	°	°	°	°	°	°	°	°	°	°	°	228°9	?	48	?
WESTBOURNE (SUSSEX)	°	°	°	°	°	°	°	°	°	°	°	°	°	232°7	?	49	?
SOUTHAMPTON	45°3	64°9	55°1	+2°1	31	7th	76	28th	4	0°82	-1°21	0°38	25th	225°9	+15°3	47	+3
STOWELL	43°7	60°7	52°2	+1°0	29	7th	74	31st	11	0°53	?	0°13	26th	—	—	—	—
LAUDALE	43°1	59°2	51°2	+1°3	33	6th	69	10th	20	5°78	+1°84	1°20	15th	—	—	—	—
GLASGOW	43°2	58°5	50°9	+1°1	32	6th	68	31st	19	4°20	+1°81	0°69	22nd	164°0	+4°4	33	+1
GLENLEE	40°8	58°7	49°8	+1°0	26	6th	70	10th	18	5°93	+2°96	0°85	22nd	—	—	—	—
DOUGLAS	43°8	55°6	49°7	-0°1	33	7th	63	28th	18	3°86	+1°69	0°43	18th	185°8	-38°5	38	-8
NEWTON REIGNY	41°7	58°5	50°1	+2°3	26	6th	71	31st	19	3°36	+1°32	0°64	26th	178°5	-23°8	36	-5
STONYHURST	44°0	57°7	50°9	+0°4	34	1st, 5th, 7th, 9th	73	31st	18	5°67	+3°04	1°18	19th	171°3	-21°3	35	-4
BLACKPOOL	45°3	58°6	52°0	+1°4	33	9th	72	28th	15	3°47	+1°42	0°65	26th	172°6	-28°4	35	-6
MANCHESTER	45°7	59°6	52°7	+2°4	33	6th	75	31st	19	4°06	+1°65	0°76	27th	—	—	—	—
LLANDUDNO	45°7	58°6	50°2	+0°6	35	5th	72	28th	18	2°46	+0°65	0°53	26th	153°1	-39°3	32	-8
LLANDOVERY	42°9	62°9	52°9	+1°6	26	1st, 7th	76	12th	15	2°03	-0°80	0°37	27th	—	—	—	—
PEMBROKE	°	°	°	°	°	°	°	°	°	°	°	°	°	169°2	-46°1	35	-10
TENBY	°	°	°	°	°	°	°	°	°	°	°	°	°	180°9	?	38	?
ARLINGTON	43°3	58°5	50°9	+0°9	30	1st	69	12th, 28th	17	2°15	-0°81	0°61	27th	—	—	—	—
CULLOMPTON	43°6	62°4	53°0	+1°6	28	1st	72	13th	11	0°95	-1°23	0°38	27th	199°7	+6°8	42	+2
TORQUAY	°	°	°	°	°	°	°	°	°	°	°	°	°	221°8	?	47	?
NEWQUAY	°	°	°	°	°	°	°	°	°	°	°	°	°	198°6	?	42	?
FALMOUTH	47°0	58°2	52°6	+0°7	36	8th	68	11th, 13th	11	1°58	-1°18	0°48	26th	208°1	-8°2	44	-2
PLYMOUTH	46°5	58°9	52°7	-0°9	33	1st	71	11th	13	1°23	-0°82	0°66	27th	193°0	-13°7	41	-3
GUERNSEY	°	°	°	°	°	°	°	°	°	°	°	°	°	310°1	?	66	?
JERSEY	°	°	°	°	°	°	°	°	°	°	°	°	°	273°7	+30°6	58	+6
LONDONDERRY	44°9	°	°	°	36	4th, 6th	°	°	21	4°55	+2°19	0°83	28th	—	—	—	—
MAKREE CASTLE	43°0	58°7	50°9	+1°3	30	9th	68	10th	20	4°71	+2°68	0°82	31st	156°4	-30°4	32	-6
BROOKBOROUGH	42°9	59°4	51°2	+1°4	33	5th, 9th	70	10th	19	5°66	+3°14	0°82	28th	—	—	—	—
ARMAGH	43°5	59°5	51°5	+1°1	31	10th	68	10th	20	4°54	+2°50	1°04	28th	154°2	-30°3	31	-7
EDGEWORTHSTOWN	42°2	°	°	°	32	5th	°	°	21	4°41	+1°97	0°78	29th	—	—	—	—
ARLEY COTTAGE (Co. CAVAN).	°	°	°	°	°	°	°	°	°	°	°	°	°	159°0	?	32	?
DUBLIN	46°5	61°0	53°8	+1°9	38	5th, 6th	70	25th	19	4°18	+2°19	2°06	28th	171°1	-41°6	35	-9
PARSONSTOWN	°	°	°	°	°	°	°	°	°	°	°	°	°	166°4	-21°6	34	-5
KILKENNY CASTLE	43°9	60°1	52°0	+0°5	31	9th	68	11th	15	4°05	+2°06	1°30	28th	—	—	—	—
WATERFORD	44°7	59°8	52°3	+0°1	33	9th	65	11th	16	3°47	+1°08	1°23	28th	—	—	—	—
VALENCIA (CAHIREEN).	°	°	°	°	°	°	°	°	°	°	°	°	°	178°2	-31°5	37	-7
KILLARNEY	45°5	59°9	52°7	+1°1	29	5th	67	11th	19	3°65	?	0°85	29th	—	—	—	—
FOYNES	47°3	60°0	53°7	+2°4	37	4th	69	11th	19	4°08	?	0°70	13th	—	—	—	—

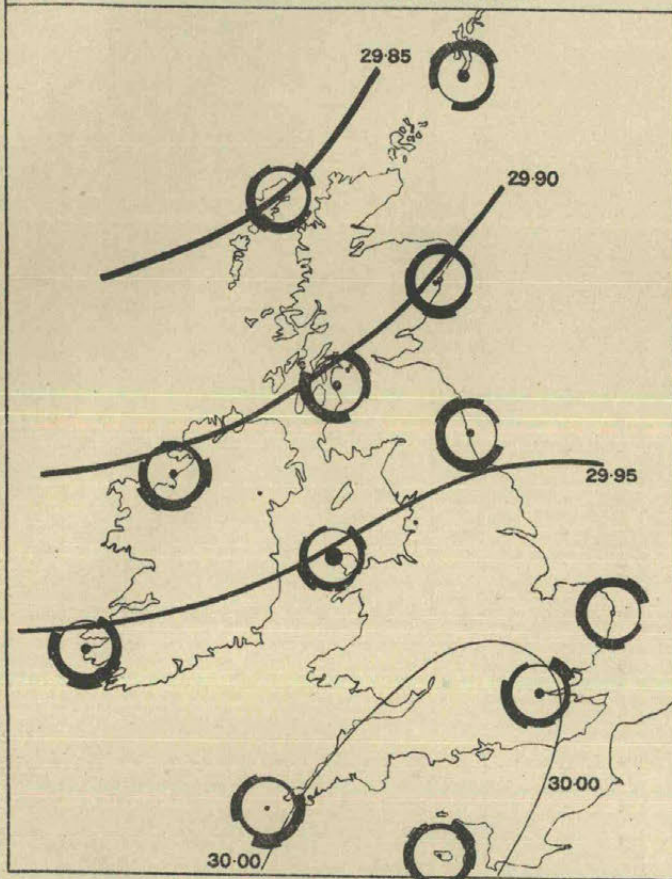
* For information, see Table IX.

MONTHLY WEATHER CHART, MAY, 1892.

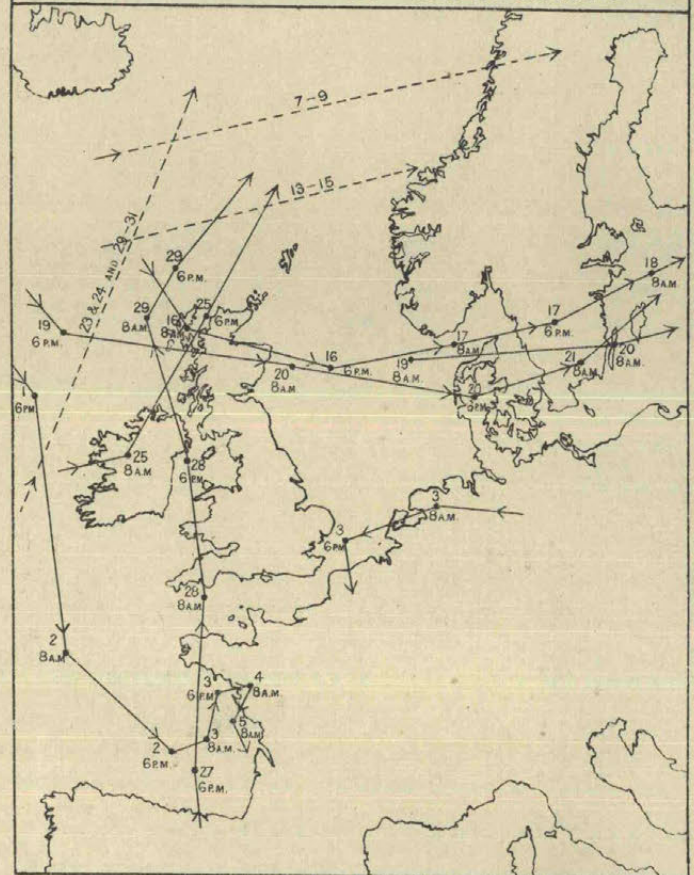
Monthly Summary.

Plate V.

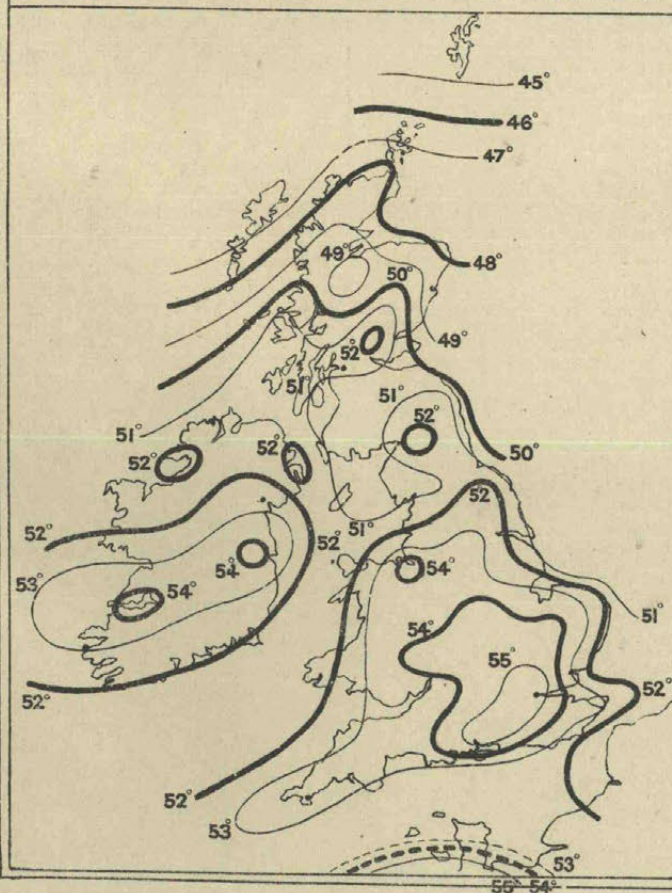
1. BAROMETER AND WIND.



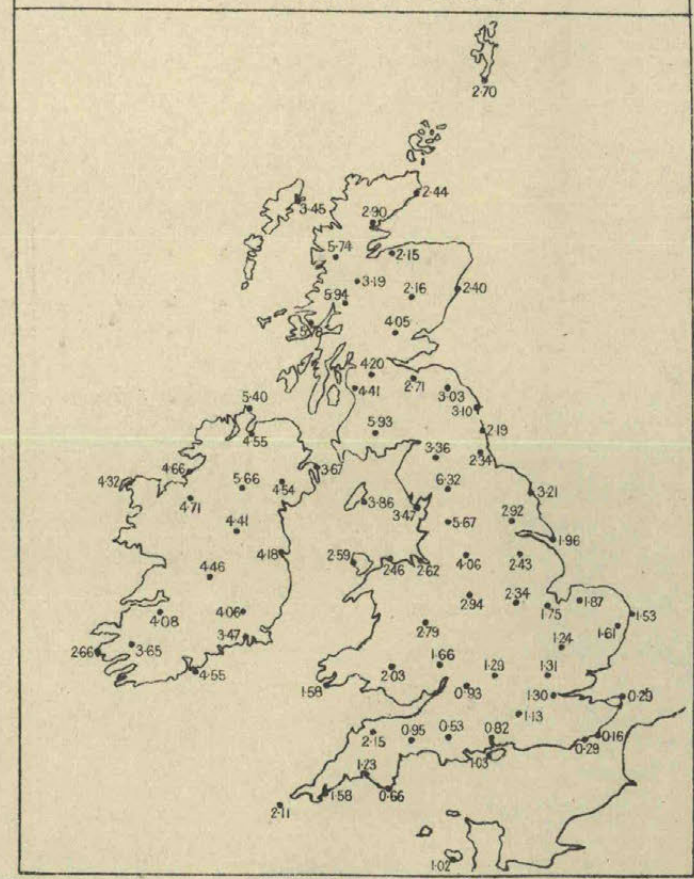
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



To face p.xx.

OFFICIAL COPY.

SUMMARY of the OBSERVATIONS made at the STATIONS included
in the DAILY and WEEKLY WEATHER REPORTS, for the
CALENDAR MONTH,

JUNE 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST.,
EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of June was changeable. Pressure was, as a whole, slightly in excess of the mean, temperature slightly in defect, with a very large range over the inland districts. Wind was mainly Westerly, but variable, and of little strength. Rainfall was not peculiar in any way (except in the case of the heavy fall over the north of England on the 28th), and bright sunshine was more prevalent than usual.

Pressure.—*Mean for the month at 8 a.m.* ranged from 30·05 ins., and more, over the Channel Islands and Brittany, and from 30·0 ins. and more over the south of England, to about 29·85 ins. over the Shetland Islands; its distribution was therefore favourable for Westerly winds, and the gradients were moderate. It was very slightly above the average* over Ireland and England, and somewhat low over Scotland. *Highest* readings occurred on the 7th or 8th, when the barometer rose to 30·4 ins. and more in many parts of England. *Lowest* were recorded at the western and northern stations on the 2nd, when the barometer fell to below 29·3 ins., but at the south-eastern stations on the 23rd, when a small depression moved north-eastwards over the southern parts of our area. *Range* was moderate everywhere.

Depressions were shallow. The three most important of these were those of the 2nd–3rd, the 23rd–24th, and the 29th–30th, of which the two latter passed north-eastwards over the south-eastern parts of England, while the other travelled northwards over our western and northern districts. There were several others of slight intensity and brief duration, which appeared from time to time about the middle of the month—between two high-pressure systems—but their tracks are too uncertain to be shown on Map 2, Plate VI.

Anticyclones.—Only one of these passed immediately over the kingdom during the month, viz., that of the 6th–9th, but another moved southwards (over the Atlantic, off our western coasts) between the 13th and 16th, and spread partially over the kingdom, while a third was lying over France and our southern districts on the 28th, and (after a temporary break) was spreading over us from the south-westward again on the 30th.

Winds were mainly Westerly (South-west to North-west), but varied greatly in different localities. Thus on our north-east coasts there was a considerable admixture of breezes from between South-east and North-east, but over the more southern regions the deviation was rather in the direction of West and South-west. They were light to moderate in force as a rule; gales were rare, and calms of frequent occurrence, especially over Ireland.

Temperature.—*Mean at Sea Level* ranged from between 56° and 59° over the southern half of England, and from between 56° and 57° over the southern and eastern parts of Ireland to 51° in the north of Scotland, and to rather below 49° over the Shetland Islands. The summer type of distribution was becoming well established over England and Ireland, and fairly so in Scotland. Values were below the average very generally, except at Hurst Castle and Donaghadee, where there was a slight excess. The greatest deficit was in the northern parts of Scotland and England, where it exceeded two degrees. *Highest* readings were recorded between the 7th and 9th in most places, and ranged between 80° and 85° over our eastern and midland counties. At many of our southern stations, however, they were recorded between the 26th and 28th, but in those regions they did not touch 80°. *Lowest* were recorded on various dates between the 13th and 18th—the 14th and 15th being apparently the days on which the lowest occurred most generally. *Range* was again very large over the Midlands, amounting to 53° at Llandovery, 52° at Cambridge and Ketton (Stamford), and 50° at Loughborough. *Vapour Tension* varied from about 0·40 in. in the Scilly Islands and Jersey, and from 0·36 in. and more over the south and east of our Islands, and over the Irish Channel, the Irish Sea, and west of Scotland, to 0·24 in. in the north of Ireland, and to 0·29 in. in the east of Scotland. *Relative Humidity* exceeded 90 per cent. in the Hebrides and 85 per cent. over the south-west of England and Wales and the English Channel as well as over the west of Scotland, but was as low as 71 per cent. at Aberdeen and 75 to 76 over central England.

Rainfall was rather deficient in Ireland and the west of Scotland, slightly in excess in the north of England, variable elsewhere; in few cases, however, were the departures from the average* very decided, and these occurred mainly owing to the heavy fall over the north of England on the 28th, and in the north of Ireland on the 10th.

Bright Sunshine was in excess of the average* in almost all districts, but especially over England, where in large regions the excess ranged from 8 to 13 per cent. of the normal. At Stornoway, only, was there any deficiency, and there it amounted to only three per cent.

* The averages employed are—*Pressure* and *Temperature* for the 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; *Bright Sunshine* for the 10 years 1881–90.

TABLE XI.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29° 859	ins. -0° 024	48° 7'	43° 4'	53° 0'	48° 2'	-0° 6'	37	12th	62	8th
	Wick	29° 896	-0° 002	52° 2'	44° 3'	57° 6'	51° 0'	-1° 2'	33	25th	77	7th
	Stornoway	29° 886	+0° 010	51° 3'	43° 3'	56° 3'	49° 8'	-2° 2'	35	14th, 15th	68	8th
1. SCOTLAND, E.	Nairn	29° 884	-0° 020	53° 4'	44° 7'	61° 0'	52° 9'	-2° 1'	32	21st	78	7th, 8th, 9th
	Aberdeen	29° 914	-0° 002	55° 1'	45° 8'	58° 6'	52° 2'	-2° 0'	38	14th	72	8th
	Leith	29° 926	-0° 004	54° 6'	47° 2'	62° 3'	54° 8'	-1° 1'	40	13th, 14th	83	9th
2. ENGLAND, N.E.	Shields	29° 924	-0° 024	54° 4'	48° 0'	60° 2'	54° 1'	-0° 6'	40	12th, 13th	74	9th
	York	29° 958	-0° 011	54° 3'	47° 9'	63° 0'	55° 5'	-1° 8'	37	18th	79	9th
	Spurn Head	29° 943	-0° 021	53° 6'	49° 0'	59° 3'	54° 2'	-1° 7'	43	13th, 18th	72	26th
3. ENGLAND, E.	Yarmouth	29° 966	-0° 011	56° 1'	48° 8'	61° 7'	55° 3'	-1° 3'	40	17th	80	27th
	Cambridge	29° 989	+0° 004	57° 7'	46° 9'	68° 0'	57° 5'	-1° 1'	33	15th	85	10th
4. MIDLAND COUNTIES	Loughborough	29° 988	+0° 008	56° 0'	46° 8'	66° 8'	56° 8'	-2° 0'	33	15th	83	9th
	Oxford	30° 007	+0° 021	55° 7'	47° 8'	66° 2'	57° 0'	-1° 2'	35	15th	80	10th
5. ENGLAND, S.	London	30° 009	+0° 017	57° 9'	49° 1'	67° 4'	58° 3'	-1° 6'	40	15th, 18th	83	10th
	North Foreland	29° 978	-0° 002	57° 3'	50° 1'	62° 9'	56° 5'	-0° 3'	44	18th	77	26th
	Dungeness	29° 996	+0° 014	56° 0'	49° 6'	61° 9'	55° 8'	-2° 0'	37	14th	73	28th
	Hurst Castle	30° 028	+0° 030	57° 0'	54° 7'	63° 5'	59° 1'	+1° 0'	40	15th	73	28th
6. SCOTLAND, W.	Ardrossan	29° 928	-0° 004	54° 1'	48° 2'	59° 6'	53° 9'	-1° 9'	41	6th, 13th	71	8th
7. ENGLAND, N.W.	Hawes Junction*	28° 713	?	49° 0'	43° 0'	56° 9'	50° 0'	?	33	18th	75	9th
	Liverpool	29° 972	+0° 006	56° 0'	50° 2'	62° 8'	56° 5'	-0° 9'	43	13th	79	9th
	Holyhead	29° 969	+0° 003	55° 7'	50° 0'	60° 7'	55° 4'	-1° 2'	44	19th, 21st	71	8th, 10th
8. ENGLAND, S.W.	Pembroke	30° 021	+0° 027	54° 3'	50° 6'	58° 9'	54° 8'	-1° 1'	43	14th	77	8th
	Prawle Point	30° 034	+0° 027	56° 0'	49° 8'	60° 7'	55° 3'	-0° 7'	41	15th	67	7th, 29th
9. IRELAND, N.	Malin Head	29° 919	-0° 011	53° 0'	48° 9'	57° 3'	53° 1'	-2° 3'	43	3rd	68	8th, 9th
	Donaghadee	29° 950	+0° 004	54° 4'	50° 5'	61° 2'	55° 9'	+0° 6'	45	11th, 17th	74	26th
	Mullaghmore	29° 941	+0° 005	54° 7'	49° 9'	59° 7'	54° 8'	-1° 5'	45	2nd, 3rd, 19th, 21st.	76	9th
	Belmullet	29° 959	+0° 024	56° 2'	50° 3'	59° 4'	54° 9'	-0° 5'	45	2nd, 3rd, 13th, 14th, 30th.	75	9th
10. IRELAND, S.	Parsonstown	29° 981	+0° 009	55° 7'	45° 8'	64° 2'	55° 0'	-1° 5'	35	13th, 14th	77	9th
	Valencia (Cahiriveen)	30° 016	+0° 041	56° 1'	49° 7'	62° 0'	55° 9'	-0° 8'	41	20th	76	9th
	Roche's Point	29° 997	+0° 024	56° 3'	50° 2'	62° 0'	56° 1'	-1° 7'	42	13th	67	7th
CHANNEL ISLANDS	Scilly (St. Mary's)	30° 023	+0° 027	57° 1'	52° 8'	61° 3'	57° 1'	-0° 1'	48	15th	66	26th
	Jersey	30° 053	+0° 043	58° 1'	52° 0'	64° 2'	58° 1'	-0° 5'	45	4th	83	28th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

REPORTING STATIONS in the BRITISH ISLANDS, during the Month of JUNE 1892.

Thunderstorms, and Gales are counted irrespective of the hours at which they occurred.

Latitude, beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
in.	%		ins.	ins.	in.		Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
0.309	90	7.3	1.73	-0.25	0.60	3rd	22	0	0	0	0	14	1	5	5	2	1	3	2	6	4	2
345	89	7.3	1.85	+0.11	0.35	2nd, 15th, 17th.	13	0	0	0	3	15	3	7	0	3	4	10	1	3	2	0
354	94	8.0	1.99	-0.86	1.00	2nd	18	0	0	0	3	21	2	4	4	3	1	3	6	3	4	2
332	82	6.2	1.42	-0.28	0.34	17th	15	0	0	0	1	10	1	1	0	5	1	0	8	7	2	6
287	71	6.1	2.39	+0.62	0.52	19th	16	0	1	0	0	7	2	4	3	4	5	4	5	1	4	0
322	76	7.7	2.37	+0.57	0.43	19th	17	0	2	1	2	15	0	4	3	4	0	0	6	10	2	1
330	78	8.3	2.49	+0.78	0.49	10th	18	0	2	1	0	15	1	3	5	2	4	2	8	2	4	0
341	80	5.7	4.67	+2.50	1.60	28th	16	0	0	3	7	10	0	7	1	1	2	4	2	10	3	0
353	86	7.7	2.41	+0.87	1.24	28th	17	0	1	6	2	16	3	5	2	1	3	3	5	6	4	1
369	81	4.9	3.20	+1.32	0.83	28th	19	0	1	4	10	3	0	4	2	0	2	4	5	8	4	1
363	76	6.0	3.46	+1.23	0.88	28th	16	0	0	7	4	13	0	7	0	1	2	3	9	4	4	0
345	76	6.4	2.73	+0.51	1.18	28th	16	0	0	4	3	8	0	1	3	1	3	1	5	10	6	0
348	78	6.2	2.02	-0.19	0.47	22nd	13	0	1	3	10	14	0	0	6	1	0	2	8	7	4	2
353	73	4.8	2.48	+0.37	0.81	28th	13	0	1	5	10	6	0	0	5	3	0	1	4	8	4	0
391	83	5.8	3.02	?	1.04	23rd	13	0	0	3	5	11	3	1	4	4	1	1	2	12	5	0
391	87	6.4	2.08	+0.49	0.50	22nd	12	0	0	1	1	6	0	2	4	6	0	0	4	12	2	0
391	84	4.6	1.26	-0.66	0.47	4th	13	0	0	0	3	3	3	1	5	3	1	0	8	8	4	0
365	86	5.7	1.70	-0.79	0.34	1st	12	0	2	0	4	9	1	0	5	2	1	5	5	6	4	2
305	88	7.4	5.37	?	0.91	19th	21	0	0	1	3	18	0	8	1	4	5	5	4	2	2	1
324	72	7.0	3.30	+1.41	1.58	28th	15	0	2	2	5	14	0	3	1	2	4	3	3	11	3	0
368	83	5.8	2.10	+0.12	0.05	28th	12	0	0	0	1	6	1	5	1	0	1	4	8	4	4	3
370	88	5.8	1.80	-0.14	0.54	28th	12	0	0	0	0	6	0	3	2	2	3	4	5	4	7	0
397	88	5.5	0.74	-0.86	0.20	4th	12	0	0	0	6	8	0	1	5	3	0	3	8	8	2	0
340	84	6.4	3.61	?	1.44	10th	17	0	0	1	4	15	0	6	1	4	1	8	5	1	4	0
366	87	5.5	3.74	+1.82	0.91	1st	18	0	0	2	2	6	2	5	9	2	2	3	3	5	1	0
345	81	6.0	3.17	+0.38	1.11	10th	17	0	0	2	7	8	5	4	5	1	3	3	5	1	7	1
357	79	6.9	1.58	?	0.34	4th	18	0	0	0	4	16	2	4	3	4	4	3	6	5	1	0
358	81	6.7	1.86	-0.33	0.45	21st	14	0	0	0	3	12	0	1	1	0	3	0	4	1	3	17
374	82	7.4	2.62	-0.65	0.63	4th, 22nd	16	0	0	0	0	13	1	2	3	3	2	4	7	3	3	3
361	79	5.1	2.86	-0.27	0.95	1st	10	0	0	0	0	4	1	5	2	0	3	3	5	4	7	1
401	85	6.0	1.16	-0.68	0.34	4th	12	0	0	0	2	3	0	3	2	3	1	5	7	6	3	0
395	81	6.1	1.75	-0.16	0.98	22nd	10	0	0	1	4	12	0	2	3	3	2	3	4	9	4	0

Barometer at this station is not reduced for altitude.

TABLE XII.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of JUNE 1892.

NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Per-centages of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	*	*	°	*	*	ins.	ins.	ins.	*	168.2	-10.7	31	-3
LAIRG	42.8	59.0	50.9	-2.4	32	14th	75	8th	18	2.92	+0.52	0.62	2nd	—	—	—	—
GLENCARRON	43.7	57.9	50.8	-1.7	34	14th	76	8th	16	5.78	+0.51	0.88	27th	—	—	—	—
FORT AUGUSTUS	45.3	60.2	52.8	-1.8	33	14th	79	9th	17	2.36	+0.16	0.50	2nd	129.9	?	25	?
FORT WILLIAM	46.3	59.5	52.9	-2.4	36	14th	75	9th	17	3.66	-0.38	0.76	26th	164.8	?	31	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	209.9	+14.5	40	+3
BRAEMAR	42.1	58.6	50.4	-2.1	34	21st	77	7th	21	1.87	-0.52	0.34	2nd	162.2	?	31	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	175.3	?	34	?
OCHTERTYRE	44.0	63.6	53.8	-1.3	36	11th	82	9th	19	3.68	+0.96	0.73	10th	—	—	—	—
MARCHMONT	44.7	59.1	51.9	-2.3	36	13th	79	8th	20	3.46	+0.95	0.69	19th	189.3	?	37	?
ALNWICK CASTLE	47.4	58.5	53.0	-1.1	41	11th, 13th	71	9th	20	3.55	+1.69	0.64	10th, 19th	—	—	—	—
DURHAM	45.4	63.0	54.2	-1.6	37	12th, 18th	81	9th	19	3.16	+1.26	0.58	28th	176.0	+14.0	34	+2
SCARBOROUGH	47.3	60.7	54.0	-1.6	41	20th	78	9th	19	4.18	+2.27	1.17	28th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	158.8	?	31	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	191.5	+22.9	38	+5
HILLINGTON	46.1	65.8	56.0	-1.7	32	15th	79	9th, 10th, 27th	17	2.58	+0.41	0.76	28th	215.2	+22.7	43	+4
GELDESTON	46.2	65.9	55.6	-1.6	35	15th	80	27th	17	2.83	+1.20	0.98	28th	226.6	+14.8	46	+3
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	221.9	+30.2	45	+6
ROTHAMSTED	46.5	65.9	56.2	-1.2	35	15th	77	27th	15	2.45	+0.22	0.70	28th	225.7	?	46	?
BAWTRY	45.8	64.4	55.1	-2.5	35	14th	82	9th	16	2.78	+0.52	1.15	28th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	186.3	+29.7	37	+6
STAMFORD (KETTON HALL).	45.3	67.3	56.3	-2.3	30	15th	82	10th	16	2.25	+0.32	0.81	10th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	220.3	+61.4	44	+12
CHEADLE	46.0	62.3	54.2	-1.2	35	18th	77	9th	16	4.39	+1.50	2.15	28th	—	—	—	—
CHURCHSTOKE	45.1	64.1	54.6	-1.1	33	15th	79	9th	16	1.80	-0.36	0.62	28th	214.3	+36.8	43	+7
HEREFORD	47.4	67.1	57.3	-1.0	37	15th	82	10th	12	2.60	+0.46	0.66	28th	—	—	—	—
CIRENCESTER	45.2	64.9	55.1	-1.6	36	15th, 17th, 20th	78	10th	12	2.56	+0.21	0.56	22nd	211.1	+23.7	43	+5
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	232.4	+45.1	47	+9
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	227.6	+53.8	46	+10
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	207.6	?	43	?
STRATHFIELD TURGISSE	45.7	67.4	56.6	-1.9	33	15th	80	10th	17	1.91	-0.08	0.52	4th	—	—	—	—
HASTINGS	48.8	62.3	55.6	-2.7	40	14th	77	28th	11	1.95	+0.29	0.52	22nd	242.2	+23.1	50	+5
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	237.0	?	49	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	232.6	?	48	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	231.9	?	48	?
SOUTHAMPTON	49.3	67.5	58.4	-0.7	38	15th	80	9th	14	1.41	-0.48	0.39	4th	245.1	+40.9	50	+8
STOWELL	47.1	63.9	55.5	-2.1	36	15th	79	9th	12	1.79	?	0.29	22nd	—	—	—	—
LAUDALE	45.8	60.3	53.1	-1.7	36	14th	74	8th	19	3.83	-1.01	0.85	2nd	—	—	—	—
GLASGOW	46.8	61.4	54.1	-1.3	39	14th	77	9th	18	4.85	+2.15	0.72	10th	163.0	+3.6	32	+1
GLENLEE	43.1	61.9	52.5	-2.2	34	12th, 13th, 21st	79	9th	16	4.29	+1.07	0.58	25th	—	—	—	—
DOUGLAS	46.7	60.3	53.5	-1.6	39	12th	71	8th, 9th	16	2.85	+0.70	0.62	25th	240.4	+23.2	48	+5
NEWTON REIGNY	44.8	61.7	53.3	-1.4	33	12th	78	8th	17	3.65	+1.57	0.88	19th	215.2	+23.5	42	+4
STONYHURST	47.0	62.0	54.0	-2.5	38	18th	77	9th	19	4.38	+1.13	1.20	28th	195.4	+20.3	47	+4
BLACKPOOL	49.7	61.9	55.8	-0.6	41	19th	75	9th	15	2.56	+0.46	0.80	28th	214.2	+25.1	42	+5
MANCHESTER	46.6	62.8	54.7	-1.9	35	13th, 18th	80	9th	20	3.55	+0.54	1.22	28th	—	—	—	—
LLANDUDNO	49.6	62.6	56.1	-1.3	42	21st, 22nd	74	10th	16	2.59	+0.77	1.25	28th	245.0	+66.5	49	+13
LLANDOVERY	45.3	66.6	56.0	-1.8	31	13th	84	9th	14	1.87	-1.09	0.58	4th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	243.1	+9.6	49	+2
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	235.7	?	48	?
ARLINGTON	47.1	62.4	54.8	-1.2	37	15th	76	9th	13	2.04	-1.24	0.78	1st	—	—	—	—
CULLOMPTON	46.2	66.3	56.3	-1.4	32	15th	79	9th	12	1.34	-1.00	0.41	1st	207.1	+13.4	42	+2
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	231.2	?	48	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	226.0	?	47	?
FALMOUTH	50.2	62.3	56.3	-1.1	43	15th	67	6th, 7th, 28th	10	1.50	-1.05	0.66	1st	234.6	+9.2	48	+1
PLYMOUTH	50.5	62.2	56.4	-2.0	43	15th	72	9th	12	1.30	-0.72	0.50	4th	193.2	-9.3	40	-2
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	267.6	?	56	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	256.9	+23.2	54	+5
LONDONDERRY	47.6	—	—	—	41	14th, 21st	—	—	19	3.30	+0.76	1.23	10th	—	—	—	—
MARKREE CASTLE	45.6	61.5	53.6	-1.4	38	13th	76	9th	18	3.79	+0.75	1.75	10th	202.0	+43.7	40	+9
BROOKBOROUGH	45.9	62.8	54.4	-1.0	35	14th	79	9th	11	2.57	-0.31	0.69	10th	—	—	—	—
ARMAGH	45.6	62.9	54.3	-1.7	34	14th	77	9th	17	3.12	+0.99	1.14	10th	196.4	+25.3	39	+5
EDGEWORTHSTOWN	44.9	—	—	—	37	14th, 15th	—	—	17	2.85	-0.15	0.67	1st	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	193.2	?	38	?
DUBLIN	49.3	64.0	56.7	-0.8	40	14th	77	26th	17	1.67	-0.18	0.61	1st	214.5	+29.6	43	+6
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	175.1	-1.5	35	0
KILKENNY CASTLE	46.3	63.7	55.0	-1.8	38	3rd, 14th	73	9th, 10th, 26th	13	1.88	-0.33	0.56	1st	—	—	—	—
WATERFORD	47.2	64.8	56.0	-1.1	38	15th	72	10th	10	1.99	-0.43	0.96	1st	—	—	—	—
VALENCIA (CAHIREEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	221.2	+23.4	45	+5
KILLARNEY	47.8	62.6	55.2	-1.2	34	13th	73	7th, 9th	14	2.55	?	1.18	4th	—	—	—	—
FOYNES	49.0	63.4	56.2	-0.2	41	12th, 13th	75	7th	14	1.58	?	0.39	20th	—	—	—	—

* For information see Table XI.

A map of Europe and the surrounding regions, including the British Isles, Scandinavia, and the Mediterranean Sea. The map illustrates the movement of depressions, indicated by dashed lines and numbered points. The paths are as follows:

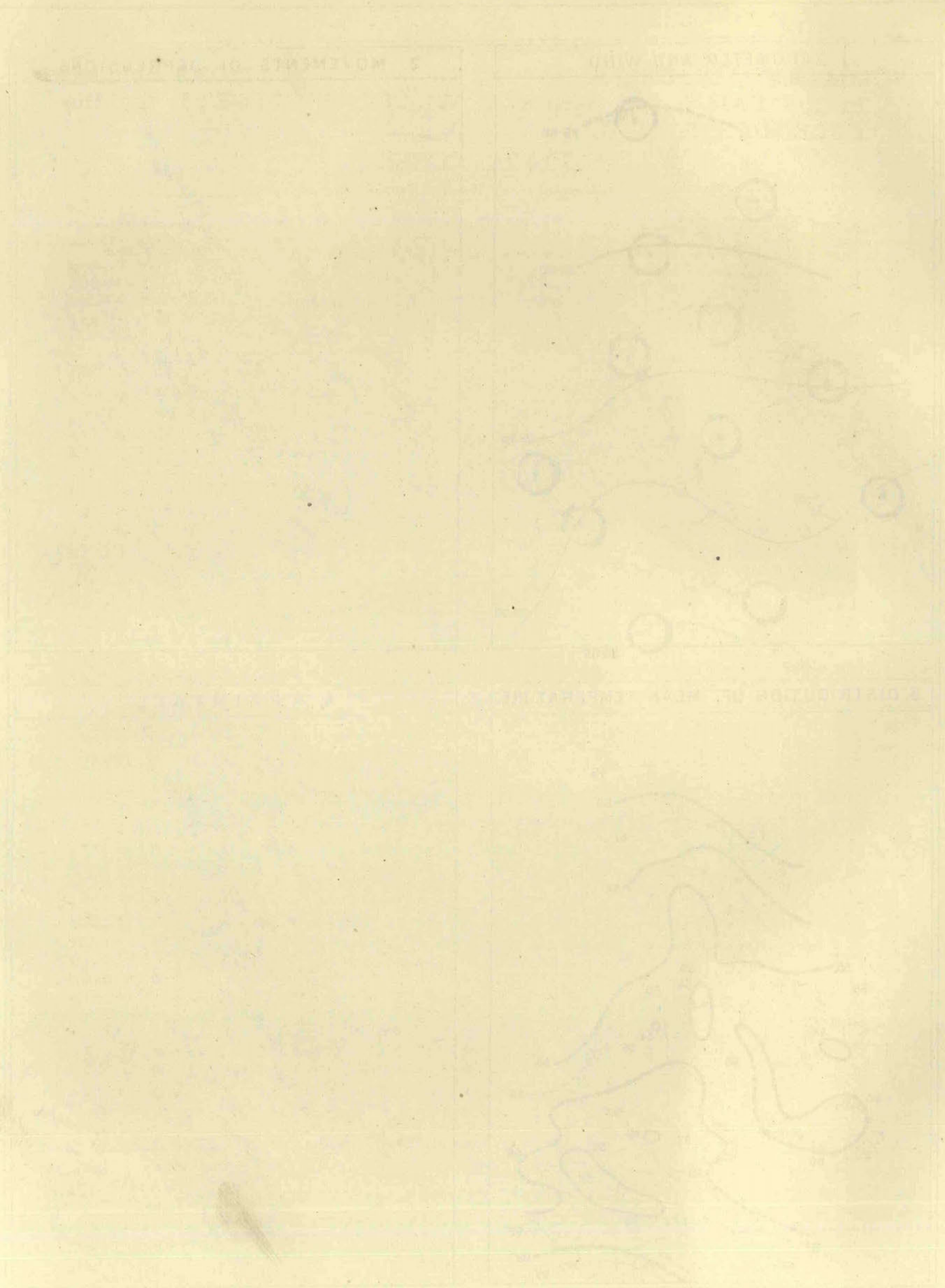
- Path 1:** Starts in the Atlantic (labeled 24-26 27), moves northeast through the British Isles (labeled 3 8 A.M., 2 6 P.M., 20 8 A.M., 18 A.M.), then southeast through the North Sea (labeled 20 6 P.M., 21 8 A.M., 23 6 P.M., 23 8 A.M., 25 8 A.M.), and ends in the Baltic Sea (labeled 24 6 P.M., 25 8 A.M.).
- Path 2:** Starts in the Atlantic (labeled 24-26 27), moves northeast through the British Isles (labeled 3 8 A.M., 2 6 P.M., 20 8 A.M., 18 A.M.), then southeast through the North Sea (labeled 20 6 P.M., 21 8 A.M., 23 6 P.M., 23 8 A.M., 25 8 A.M.), and ends in the Baltic Sea (labeled 24 6 P.M., 25 8 A.M.).
- Path 3:** Starts in the Atlantic (labeled 24-26 27), moves northeast through the British Isles (labeled 3 8 A.M., 2 6 P.M., 20 8 A.M., 18 A.M.), then southeast through the North Sea (labeled 20 6 P.M., 21 8 A.M., 23 6 P.M., 23 8 A.M., 25 8 A.M.), and ends in the Baltic Sea (labeled 24 6 P.M., 25 8 A.M.).
- Path 4:** Starts in the Atlantic (labeled 24-26 27), moves northeast through the British Isles (labeled 3 8 A.M., 2 6 P.M., 20 8 A.M., 18 A.M.), then southeast through the North Sea (labeled 20 6 P.M., 21 8 A.M., 23 6 P.M., 23 8 A.M., 25 8 A.M.), and ends in the Baltic Sea (labeled 24 6 P.M., 25 8 A.M.).
- Path 5:** Starts in the Atlantic (labeled 24-26 27), moves northeast through the British Isles (labeled 3 8 A.M., 2 6 P.M., 20 8 A.M., 18 A.M.), then southeast through the North Sea (labeled 20 6 P.M., 21 8 A.M., 23 6 P.M., 23 8 A.M., 25 8 A.M.), and ends in the Baltic Sea (labeled 24 6 P.M., 25 8 A.M.).

The map also shows the following locations and times:

- 28-29
- 25 8 A.M.
- 24 6 P.M.
- 30 8 A.M.
- 21 8 A.M.
- 23 6 P.M.
- 23 8 A.M.
- 25 8 A.M.
- 24 6 P.M.
- 20 6 P.M.
- 20 8 A.M.
- 18 A.M.
- 3 8 A.M.
- 2 6 P.M.
- 24-26 27
- 15TH
- 14TH

A map of Great Britain and Ireland with 50 numbered points of interest. The points are distributed across the country, with a higher concentration in the south and east. The numbers are as follows:

- 1: 199
- 2: 292
- 3: 185
- 4: 578
- 5: 142
- 6: 236
- 7: 366
- 8: 187
- 9: 239
- 10: 368
- 11: 485
- 12: 170
- 13: 237
- 14: 346
- 15: 355
- 16: 249
- 17: 365
- 18: 316
- 19: 418
- 20: 467
- 21: 241
- 22: 278
- 23: 258
- 24: 283
- 25: 320
- 26: 346
- 27: 245
- 28: 248
- 29: 195
- 30: 208
- 31: 302
- 32: 256
- 33: 202
- 34: 141
- 35: 131
- 36: 179
- 37: 134
- 38: 204
- 39: 130
- 40: 150
- 41: 074
- 42: 116
- 43: 180
- 44: 187
- 45: 260
- 46: 256
- 47: 180
- 48: 439
- 49: 330
- 50: 355



SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

JULY 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, PIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of July was cold and unsettled, with occasional thunderstorms over Great Britain. Pressure was above the average; temperature was low, especially in the north of England; the winds were variable, and one or two gales of unusual severity for the time of year; and rainfall was less than the normal in all localities, excepting the south of Ireland, the southern and midland counties of England, and the extreme north of Scotland. Bright sunshine was generally deficient, but at some of our western and southern stations the amount was in excess of the average.

Pressure.—*Mean for the month at 8 a.m.* ranged from between 30·00 ins. and 30·04 ins. over nearly the whole of Ireland and England to a little above 29·90 ins. in the Shetlands. The general distribution was therefore anticyclonic, and the mean values were everywhere in excess of the average,* the difference varying from less than 0·05 in. in the extreme south of England to between 0·12 in. and 0·14 in. in Scotland and the north of Ireland, and to nearly 0·16 in. at Belmullet. *Highest* readings were recorded generally on the 24th, when the barometer rose to between 30·3 ins. and 30·4 ins. over the entire kingdom. In many parts of our western and northern districts, however, the mercury continued equally high during nearly the whole of the concluding week. *Lowest* readings were observed in the northern districts on the 6th or 7th, when the barometer fell below 29·3 ins. in most places, and below 29·0 ins. in the Shetlands. Over the southern parts of the kingdom pressure was lowest on the 12th, when the mercury fell below 29·7 ins. in the south of England, and below 29·5 ins. in the south of Ireland. *Range* was moderate.

Depressions were not very numerous, the only important system being observed on the 19th, when a rather deep disturbance travelled in a south-south-easterly direction across Scotland and along the east coasts of England. Between the 12th and 17th two complex depressions skirted our south-west coasts, moving from the north-westward and afterwards spreading in over the Channel and France. Numerous secondary disturbances were developed around the main systems, but the movements both of these and of their primaries were too irregular to admit of their tracks being shown with any precision on Map 2, Plate VII.

Anticyclones.—During the early part of the month no anticyclones of note were observed. On the 21st, however, a large one advanced over our islands from the Atlantic, and remained with us until the 30th, when it passed away to the south-westward.

Winds were somewhat variable. At the northern stations there was a slight preponderance of breezes from the Westward, but in the southern parts of the United Kingdom the North-easterly current was the most frequent. Gales were rather numerous, especially on the Irish and English coasts; at Spurn Head, Hurst Castle, and Malin Head, there were five, while at Mullaghmore there were as many as nine. The Northerly gale which visited our islands on the 19th was remarkable for the time of year both as regards direction and force.

Temperature.—*Mean at sea level* ranged from 63° at Jersey, and 60° or more, in the extreme south of England, to about 53° in the north of Scotland, and to a little above 51° in the Shetlands. The general distribution was fairly normal, but the actual values were everywhere below the average,* the deficit being greatest (4° or more) over the northern parts of England, and least (0°·5 or less) in the Channel Islands and the south-west of Ireland. *Highest* readings were recorded over England on the 3rd, but over Ireland and Scotland at various times during the concluding week. Over the inland parts of England the thermometer rose to between 80° and 85°, but in other districts it did not get much above 70°. *Lowest* readings occurred mostly on the 1st or 21st in the eastern, central, and southern parts of the kingdom, but on very irregular dates in the west and north. *Range* was moderate. *Vapour Tension* was rather high, being above 0·35 in. in all but the north-eastern parts of Great Britain, and above 0·40 in. on the south coasts of England and Ireland. *Relative Humidity* ranged from 73 per cent. in London, and 76 per cent. at York and Liverpool, to 91 per cent. in the Shetlands, and 95 per cent. in the Hebrides.

Rainfall was in excess of the average* in the north of Scotland, the south of Ireland, and the south midlands and some southern districts of England. Elsewhere there was a deficit, and in some parts of the north of England, as well as at Leith, the total for the month amounted to less than half the normal. The largest aggregates were 5·7 ins. at Valencia, 5·4 ins. at Laudale, 5·3 ins. at Fort William, and 5·2 ins. at Glen Carron; the smallest were 0·9 in. at Scilly, 1·1 ins. at Leith, and 1·3 ins. at Shields and Scarborough. Falls exceeding an inch in 24 hours were recorded at many of our stations, the most widespread example being that of the 2nd–3rd, when a considerable portion of Ireland and Scotland was affected.

Bright Sunshine was a little in excess of the average* on some parts of our western and southern coasts, but considerably below it elsewhere. The per-centage of the possible amount of duration was as high as 57 at Guernsey, 56 at Jersey, and between 45 and 50 at several of the other Channel stations; over the more northern parts of the kingdom, however, the values were nearly all below 30 per cent., the lowest of all being 22 at Aberdeen and Worksop, and 23 at Fort Augustus and Edinburgh.

* The averages employed are—*Pressure* and *Temperature* for 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; *Bright Sunshine* for the 10 years, 1881–90.

TABLE XIII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				Means of					Absolute Extremes.			
				At 8 a.m.	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°911	in. +0°127	51°1	47°0	54°9	51°0	-1°7	42	19th	58	9th, 10th, 25th
	Wick	29°950	+°144	53°4	47°5	58°2	52°9	-2°4	42	2nd, 3rd	65	22nd
	Stornoway	29°935	+°140	53°6	47°2	57°9	52°6	-2°0	43	16th, 17th, 18th	65	29th
1. SCOTLAND, E.	Nairn	29°939	+°124	54°1	47°7	62°0	54°9	-2°7	40	24th	73	30th
	Aberdeen	29°970	+°144	54°6	48°1	59°5	53°8	-3°5	40	21st	66	5th, 23rd, 30th, 31st.
	Leith	29°980	+°136	55°5	49°1	63°0	56°1	-2°9	41	21st	74	31st
2. ENGLAND, N.E.	Shields	29°986	+°119	55°0	48°9	60°4	54°7	-3°5	42	21st	76	2nd
	York	30°018	+°117	56°1	50°2	64°1	57°2	-3°1	43	21st	78	3rd
	Spurn Head	30°003	+°103	56°2	51°7	60°3	56°0	-4°2	48	18th, 19th	68	2nd
3. ENGLAND, E.	Yarmouth	29°998	+°069	57°6	53°0	62°9	58°0	-2°8	46	22nd	74	3rd
	Cambridge	30°025	+°088	58°6	50°2	67°7	59°0	-3°1	44	18th	85	3rd
4. MIDLAND COUNTIES	Loughborough	30°041	+°113	56°2	50°0	66°0	58°0	-4°1	42	18th, 25th	84	3rd
	Oxford	30°036	+°090	56°5	50°8	66°3	58°6	-2°9	43	21st	82	3rd
5. ENGLAND, S.	London	30°027	+°070	59°4	52°3	68°5	60°4	-2°8	47	1st, 19th, 22nd	81	3rd
	North Foreland	29°989	+°034	59°7	53°5	63°6	58°6	-2°6	49	19th	75	3rd
	Dungeness	29°996	+°039	59°9	53°9	64°8	59°4	-2°2	46	22nd	71	2nd
	Hurst Castle	30°034	+°066	59°4	54°3	66°7	60°5	-1°2	46	21st	73	29th
6. SCOTLAND, W.	Ardrossan	29°987	+0°131	55°6	50°7	62°0	56°4	-1°8	47	16th	67	11th, 24th, 25th, 28th, 29th.
7. ENGLAND, N.W.	Hawes Junction*	28°781	?	50°9	45°5	58°8	52°2	?	38	11th, 18th	69	25th
	Liverpool	30°025	+°119	56°1	52°0	63°3	57°7	-2°4	49	12th, 26th	74	3rd
	Holyhead	30°014	+°104	56°7	52°4	61°3	56°9	-2°2	49	19th	70	11th
8. ENGLAND, S.W.	Pembroke	30°019	+°083	56°6	52°7	61°8	57°3	-1°4	50	18th, 21st, 22nd, 26th.	68	24th
	Prawle Point	30°028	+°041	58°9	53°6	64°1	58°9	-0°2	43	10th, 19th	77	31st
9. IRELAND, N.	Malin Head	29°979	+°124	54°8	52°1	59°0	55°6	-1°8	49	7th, 8th, 9th	62	11th, 14th, 25th
	Donaghadee	30°018	+°141	55°6	53°4	61°5	57°5	0°0	50	13th	67	6th
	Mullaghmore	30°010	+°141	55°7	52°3	61°1	56°7	-1°8	47	29th	67	29th
	Belmullet	30°021	+°156	57°2	52°1	61°9	57°0	-0°9	46	10th	69	28th
10. IRELAND, S.	Parsonstown	30°022	+°109	55°7	49°6	64°5	57°1	-1°9	41	10th, 21st, 29th	71	26th, 29th
	Valencia (Cahiriveen)	30°031	+°096	59°3	52°8	64°5	58°7	-0°1	44	21st	72	25th
	Roche's Point	30°021	+°089	58°3	53°3	63°7	58°5	-1°2	48	10th	72	30th, 31st
CHANNEL ISLANDS	Scilly (St. Mary's)	30°008	+°034	60°3	55°5	64°5	60°0	-0°3	53	10th, 20th, 26th, 27th.	68	1st, 3rd, 12th, 23rd, 24th, 27th.
	Jersey	30°030	+°029	61°7	56°1	68°1	62°1	-0°2	48	22nd	77	2nd, 11th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

SUMMARY OF OBSERVATIONS, JULY 1892.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of JULY 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.
beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER, No. of Days of							WIND, No. of Observations of									
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.	
in.	%		ins.	ins.	ins.																		
0.345	91	9.3	1.67	-0.60	0.38	3rd	16	0	0	0	0	24	0	6	6	1	1	0	3	9	2	3	
359	88	8.2	2.89	+0.55	0.55	18th	21	0	0	0	2	19	0	5	2	4	1	8	0	3	7	1	
388	95	8.0	1.91	-1.11	0.75	18th	16	0	0	0	1	20	4	1	4	4	1	4	4	5	1	7	
356	84	7.5	2.63	+0.04	1.18	3rd	16	0	0	0	1	11	0	1	1	5	1	0	7	7	0	9	
329	77	7.4	2.56	-0.22	0.74	19th	17	0	0	0	0	11	2	4	1	5	3	5	2	2	9	0	
348	79	8.8	1.12	-1.73	0.34	3rd	12	0	0	0	1	22	0	2	8	6	0	1	6	8	0	0	
362	84	8.0	1.28	-1.38	0.60	19th	12	0	0	1	1	13	2	4	4	1	4	2	5	4	7	0	
349	76	7.0	1.35	-1.35	0.61	19th	10	0	0	1	5	14	0	5	5	5	1	5	1	7	2	0	
370	82	7.7	1.45	-0.29	0.44	19th	12	0	0	0	0	11	5	7	8	1	1	2	5	5	1	1	
390	82	6.6	2.28	-0.57	0.57	5th	16	0	2	0	4	12	3	3	9	1	2	2	4	5	5	0	
391	79	7.3	3.17	+0.75	0.77	16th	12	0	0	1	2	15	0	8	6	2	1	3	9	1	1	0	
367	81	8.3	2.13	-0.21	0.81	16th	12	0	0	1	1	16	2	3	5	4	3	2	4	5	3	2	
367	80	7.7	3.21	+0.63	1.11	5th	11	0	0	0	5	20	1	5	9	2*	2	1	7	3	2	0	
371	73	7.1	1.58	-0.80	0.48	19th	9	0	0	1	4	15	2	5	6	4	2	2	6	4	2	0	
416	82	6.2	2.43	?	0.61	19th	13	0	0	3	4	13	3	5	8	3	1	2	1	8	3	0	
448	88	6.8	1.56	-0.39	0.54	19th	11	0	0	1	0	6	3	6	7	4	3	1	3	5	2	0	
428	85	6.1	2.37	+0.17	0.64	12th	13	0	0	1	0	5	5	3	8	6	1	2	4	5	2	0	
377	85	7.0	1.70	-1.21	0.47	18th	7	0	0	0	6	16	1	3	5	5	1	2	4	9	1	1	
332	89	8.6	3.64	?	0.85	19th	12	0	0	3	1	23	0	4	4	6	4	6	3	3	1	0	
349	76	8.0	2.30	-0.66	0.60	15th	14	0	0	1	0	17	1	2	4	6	6	0	4	7	2	0	
381	83	6.8	2.27	-0.13	0.65	15th	15	0	0	0	1	13	1	4	4	6	1	3	5	2	5	1	
414	90	5.8	2.48	-0.06	0.62	11th	14	0	0	2	1	10	5	5	5	7	2	3	5	2	2	0	
423	86	6.2	1.37	-0.87	0.31	11th	12	0	0	2	2	10	2	2	8	7	1	2	3	5	3	0	
361	84	8.0	2.70	?	1.24	2nd	15	0	1	0	4	23	5	4	3	2	5	2	5	4	6	0	
382	86	6.9	2.61	-0.21	0.88	9th	13	0	0	0	2	10	3	3	8	5	2	0	2	7	4	0	
366	82	7.7	2.33	-1.39	0.93	2nd	16	0	0	0	2	11	9	1	5	6	1	2	5	3	4	4	
378	81	8.2	2.63	?	0.56	2nd	14	0	0	0	3	22	3	4	5	3	2	5	3	5	4	0	
373	84	8.1	3.48	+0.52	0.79	2nd	12	0	0	0	2	17	0	0	4	0	3	0	5	1	2	16	
415	82	7.4	5.69	+1.79	1.67	2nd	17	0	0	0	1	17	4	2	6	3	4	2	4	2	3	5	
405	83	6.1	2.98	-0.31	1.05	15th	11	0	0	0	0	9	2	5	2	6	8	3	1	3	3	0	
443	85	6.1	0.93	-1.53	0.22	16th	10	0	0	0	2	4	0	6	7	3	2	3	5	3	2	0	
428	79	6.4	2.45	+0.05	0.94	28th	11	to	to	to	to	to	to	to	to	to	to	to	to	to	to	to	

barometer at this station is not reduced for altitude.

† Six days interpolated.

TABLE XIV.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of JULY 1892.

STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	*	°	*	°	*	*	ins.	ins.	ins.	*	130.8	-14.3	25	-2
LAIRG	46.0	60.2	53.1	-2.5	42	1st, 18th	73	28th, 29th	20	2.98	+0.03	0.80	3rd	—	—	—	—
GLASCARRON	46.8	60.0	53.4	-1.5	41	17th	74	29th	16	5.15	-0.95	1.22	18th	—	—	—	—
FORT AUGUSTUS	48.5	61.6	55.1	-1.9	42	21st, 24th	71	23rd, 24th	15	2.90	-0.24	0.69	3rd	121.9	?	23	?
FORT WILLIAM	49.0	62.2	55.6	-1.6	43	10th	72	26th	15	5.34	-0.03	1.18	2nd	160.2	?	31	?
ABERDEEN	—	—	—	*	*	*	*	*	*	*	*	*	*	115.6	-55.6	22	-11
BRAEMAR	45.0	60.3	53.1	-1.9	38	21st, 24th	74	29th	11	2.16	-0.75	0.76	3rd	136.8	?	26	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	120.1	?	23	?
OCHTERTYRE	48.1	65.1	57.1	-0.4	37	12th	76	24th, 30th	9	1.78	-1.58	0.46	3rd	—	—	—	—
MARCHMONT	46.9	61.1	54.0	-3.4	41	21st, 27th	72	30th	15	2.46	-1.03	0.46	3rd	141.8	?	27	?
ALNWICK CASTLE	43.8	59.7	54.3	-3.4	40	9th, 20th	66	2nd	15	1.85	-1.07	0.44	3rd	—	—	—	—
DURHAM	48.6	63.2	55.9	-3.6	39	21st	73	24th	15	1.68	-1.30	0.41	19th	123.0	-39.8	24	-8
SCARBOROUGH	49.7	60.9	55.3	-4.1	44	17th, 19th	73	3rd	12	1.25	-1.53	0.64	19th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	125.4	?	25	?
YORK	—	—	—	*	*	*	*	*	*	*	*	*	*	121.2	-40.4	24	-8
HILLINGTON	50.0	65.7	57.9	-3.3	44	1st, 22nd	83	3rd	14	2.80	-0.17	0.85	19th	152.1	-40.6	30	-9
GELDESTON	51.0	64.4	57.7	-3.5	39	22nd	76	3rd	13	2.06	-0.60	0.56	16th	166.8	-39.8	34	-8
CAMBRIDGE	—	—	—	*	*	*	*	*	*	*	*	*	*	179.2	-15.8	36	-3
ROTHAMSTED	49.9	65.7	57.8	-3.0	44	19th, 21st	79	3rd	9	2.89	+0.10	0.94	19th	187.0	?	38	?
BAWTRY	47.9	64.5	56.2	-4.6	39	24th	81	3rd	12	1.78	-0.98	0.54	15th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	111.9	-48.0	22	-10
STAMFORD (KETTON HALL).	48.9	66.3	57.6	-4.4	42	1st, 18th, 19th, 21st.	84	3rd	12	2.30	-0.42	0.87	16th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	133.1	-30.6	27	-6
CHEADLE	48.4	61.9	55.2	-3.2	44	18th, 19th	78	3rd	12	3.07	-0.06	0.95	19th	—	—	—	—
CHURCHSTOKE	47.9	63.5	55.7	-2.8	40	21st, 22nd	79	3rd	12	1.69	-0.97	0.64	16th	137.7	-37.2	28	-7
HEREFORD	50.5	65.8	58.1	-2.8	45	21st, 22nd	83	3rd	13	2.54	+0.16	1.17	16th	—	—	—	—
CIRENCESTER	49.1	64.6	56.9	-3.0	41	1st, 21st	80	3rd	12	3.23	+0.18	1.31	12th	171.3	-12.0	35	-2
OXFORD	—	—	—	*	*	*	*	*	*	*	*	*	*	161.7	-27.5	33	-5
LONDON	—	—	—	*	*	*	*	*	*	*	*	*	*	172.4	-2.7	35	-1
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	177.5	?	36	?
SPRATHFIELD TURGIS-	49.7	63.1	58.9	-3.0	41	1st	80	3rd	12	2.77	+0.41	0.71	5th	—	—	—	—
HASTINGS	52.9	65.2	59.1	-2.7	50	1st, 19th, 20th, 22nd, 24th, 25th.	70	2nd, 13th, 16th, 29th, 30th.	10	1.83	-0.39	0.60	19th	246.5	+24.1	50	+5
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	237.2	?	48	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	227.9	?	47	?
WESTBOURNE (SUSSEX).	—	—	—	—	—	—	—	—	—	—	—	—	—	217.2	?	44	?
SOUTHAMPTON	52.5	69.6	61.1	-1.2	46	1st, 21st	78	23rd	11	2.39	-6.27	0.62	12th	212.5	+6.0	43	+1
STOWELL	50.5	66.3	58.4	-1.5	42	21st	76	3rd	10	2.23	?	1.04	16th	—	—	—	—
LAUDALE	48.1	62.0	55.1	-2.2	43	17th, 21st	69	11th, 26th, 29th	15	5.35	-0.22	1.04	2nd	—	—	—	—
GLASGOW	49.7	63.0	56.4	-1.4	45	21st	71	24th, 25th	11	1.98	-1.56	0.68	3rd	150.6	+16.6	29	+3
GLENLEE	47.1	63.1	55.1	-2.1	39	21st	73	25th	12	3.89	-0.39	0.50	18th	—	—	—	—
DOUGLAS	49.8	61.6	55.7	-1.8	41	15th	68	24th, 25th	11	3.02	-0.03	1.30	9th	184.9	-11.4	37	-2
NEWTON REIGNY	47.8	62.6	55.2	-2.6	40	11th, 21st	72	24th, 25th, 30th	12	1.90	-1.19	0.43	9th	138.7	-29.5	27	-6
STONYHURST	50.0	62.5	56.3	-2.7	43	18th	71	3rd, 25th	10	1.83	-2.71	0.51	19th	161.4	-4.9	32	-1
BLACKPOOL	51.1	64.3	57.7	-2.0	41	13th	71	23rd	10	1.54	-1.70	0.40	19th	150.7	-27.9	30	-5
MANCHESTER	49.6	63.4	56.5	-2.6	43	18th	75	3rd	13	4.29	+0.43	1.32	3rd	—	—	—	—
LLANDUDNO	52.2	63.0	57.6	-2.7	48	24th	70	2nd	13	2.46	-0.20	0.88	15th	175.2	+10.7	35	+2
LLANDOVERY	48.5	63.2	58.4	-1.2	36	21st	80	3rd	17	2.68	-1.30	0.55	5th	—	—	—	—
PEMBROKE	—	—	—	*	*	*	*	*	*	*	*	*	*	196.2	-5.9	40	-1
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	197.9	?	40	?
ARLINGTON	49.9	64.3	57.1	-1.9	41	22nd	70	3rd, 29th, 30th	15	3.02	-1.73	1.11	5th	—	—	—	—
CULLOMPTON	50.7	67.7	59.2	-1.2	42	21st	77	3rd	10	2.66	-0.31	1.21	16th	171.7	-5.4	35	-1
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	222.6	?	45	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	233.2	?	48	?
FALMOUTH	54.2	65.7	60.0	-0.2	49	1st, 10th	70	4th	11	2.44	-0.84	0.75	10th	229.1	+18.2	47	+4
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	273.6	?	57	?
JERSEY	—	—	—	*	*	*	*	*	*	*	*	*	*	270.5	+40.1	56	+8
LONDONDERRY	50.1	—	—	—	44	10th	—	—	13	2.78	-0.68	0.97	2nd	—	—	—	—
MARKREE CASTLE	48.9	62.3	55.6	-1.7	38	10th	69	26th	18	2.66	-0.62	0.61	2nd	131.0	+2.1	26	0
BROOKBOROUGH	49.2	63.9	56.6	-0.9	39	10th	75	29th	11	2.81	-0.78	0.90	2nd	—	—	—	—
ARMAGH	48.7	63.2	56.0	-2.3	42	21st	70	29th	11	2.67	-0.52	0.81	9th	130.8	-8.0	26	-1
EDGEWORTHSTOWN	48.4	—	—	—	40	10th, 21st	?	?	12	3.11	-0.57	1.22	3rd	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	154.2	?	31	?
DUBLIN	52.0	63.5	57.8	-2.3	47	10th, 21st	71	1st, 6th	12	1.95	-0.42	0.61	15th	154.6	-5.8	31	-1
PARSONSTOWN	—	—	—	*	*	*	*	*	*	*	*	*	*	126.0	-21.1	25	-4
KILKENNY CASTLE	50.7	64.8	57.8	-1.3	40	10th	71	24th, 28th	13	3.18	+0.66	0.62	15th	—	—	—	—
WATERFORD	50.7	65.7	58.2	-1.7	43	24th, 29th	74	31st	12	3.30	+0.38	0.58	2nd	—	—	—	—
VALENCIA (CAHIR-CIVREEN).	—	—	—	*	*	*	*	*	*	*	*	*	*	175.5	+18.0	36	+4
KILLARNEY	50.8	64.9	57.9	-0.9	41	21st	73	28th	18	3.21	?	0.57	2nd	—	—	—	—
POYNES	53.0	64.7	58.9	+0.2	46	3rd, 9th	74	24th	13	3.31	?	1.40	2nd	—	—	—	—

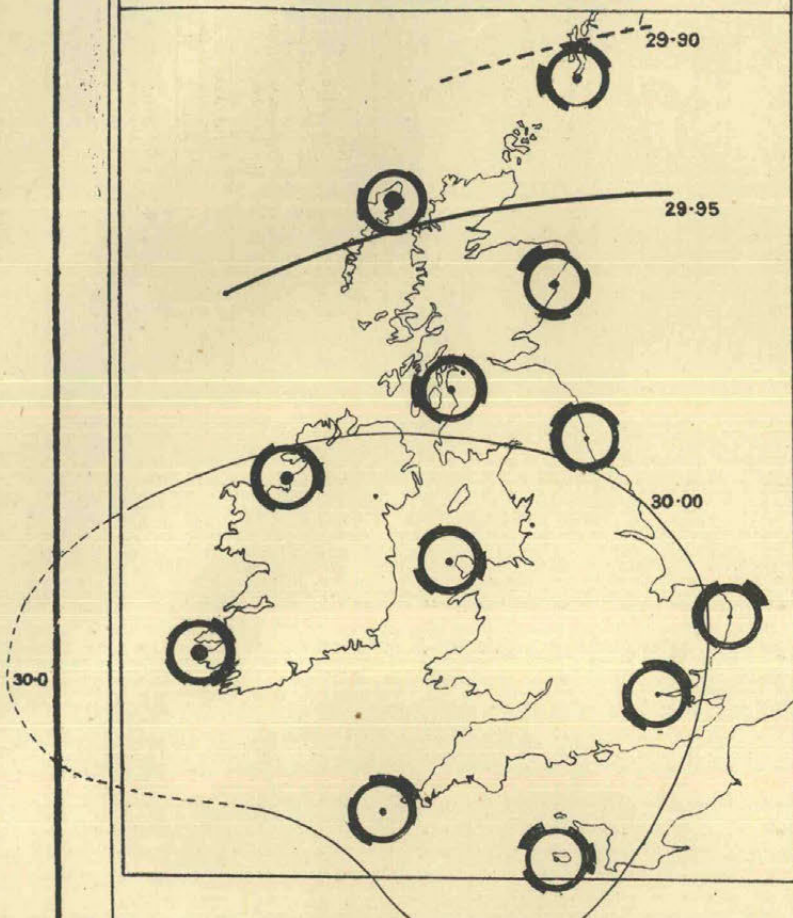
* For information see Table XIII.

MONTHLY WEATHER CHART. JULY 1892.

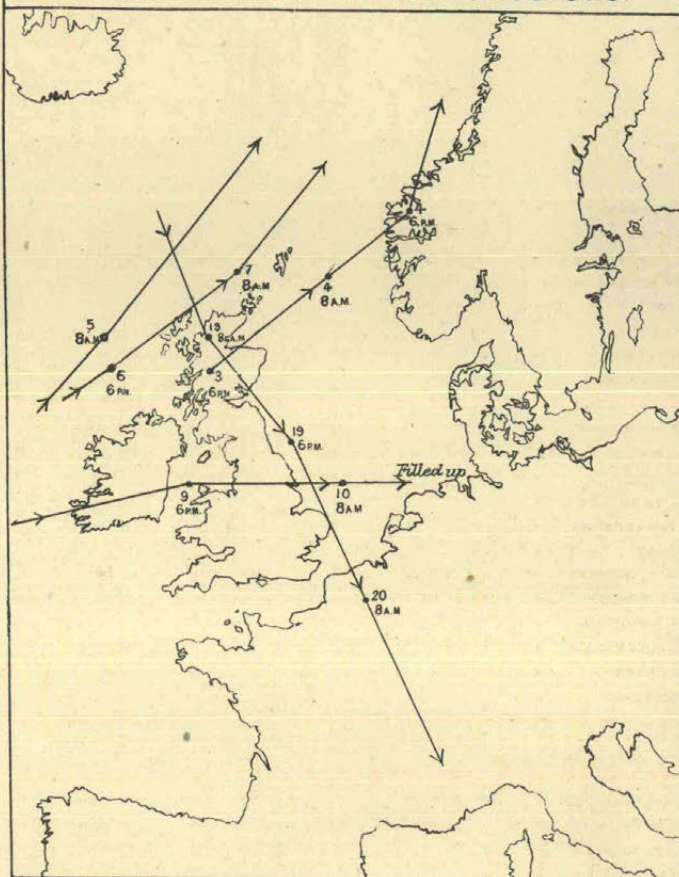
Monthly Summary.

Plate VII.

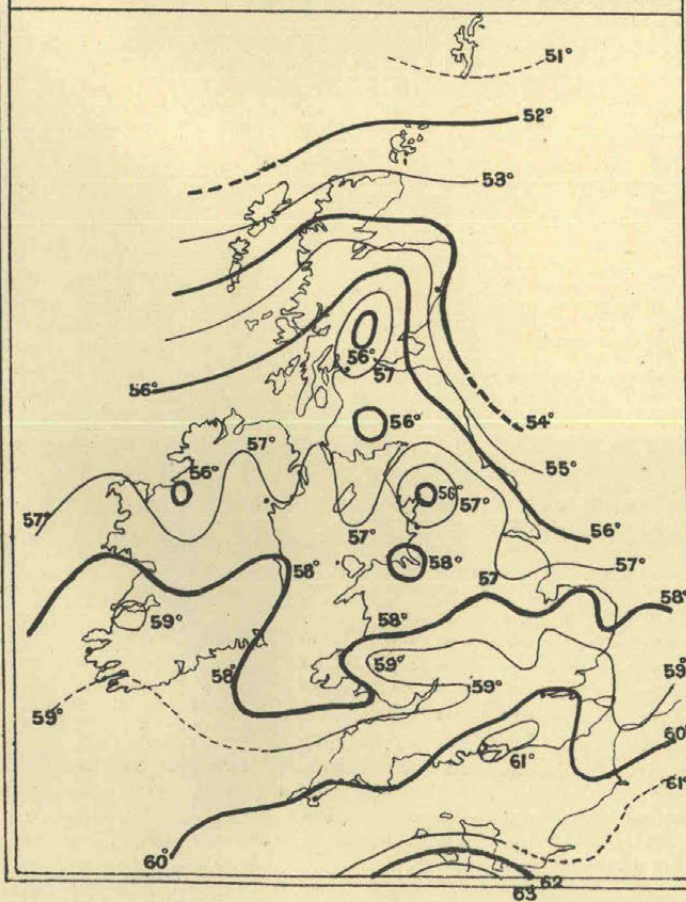
1. BAROMETER AND WIND.



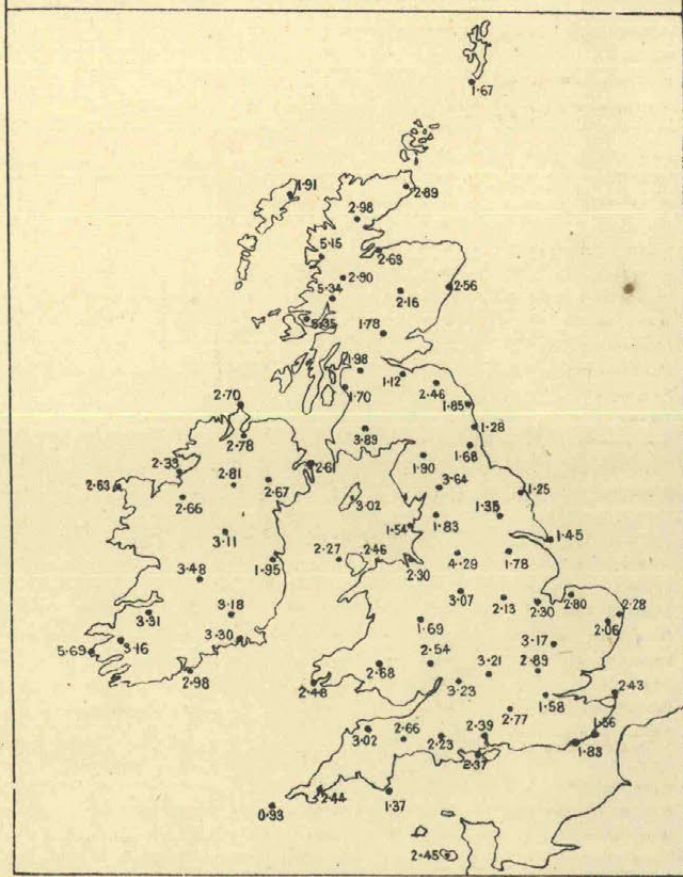
2. MOVEMENTS OF DEPRESSIONS.

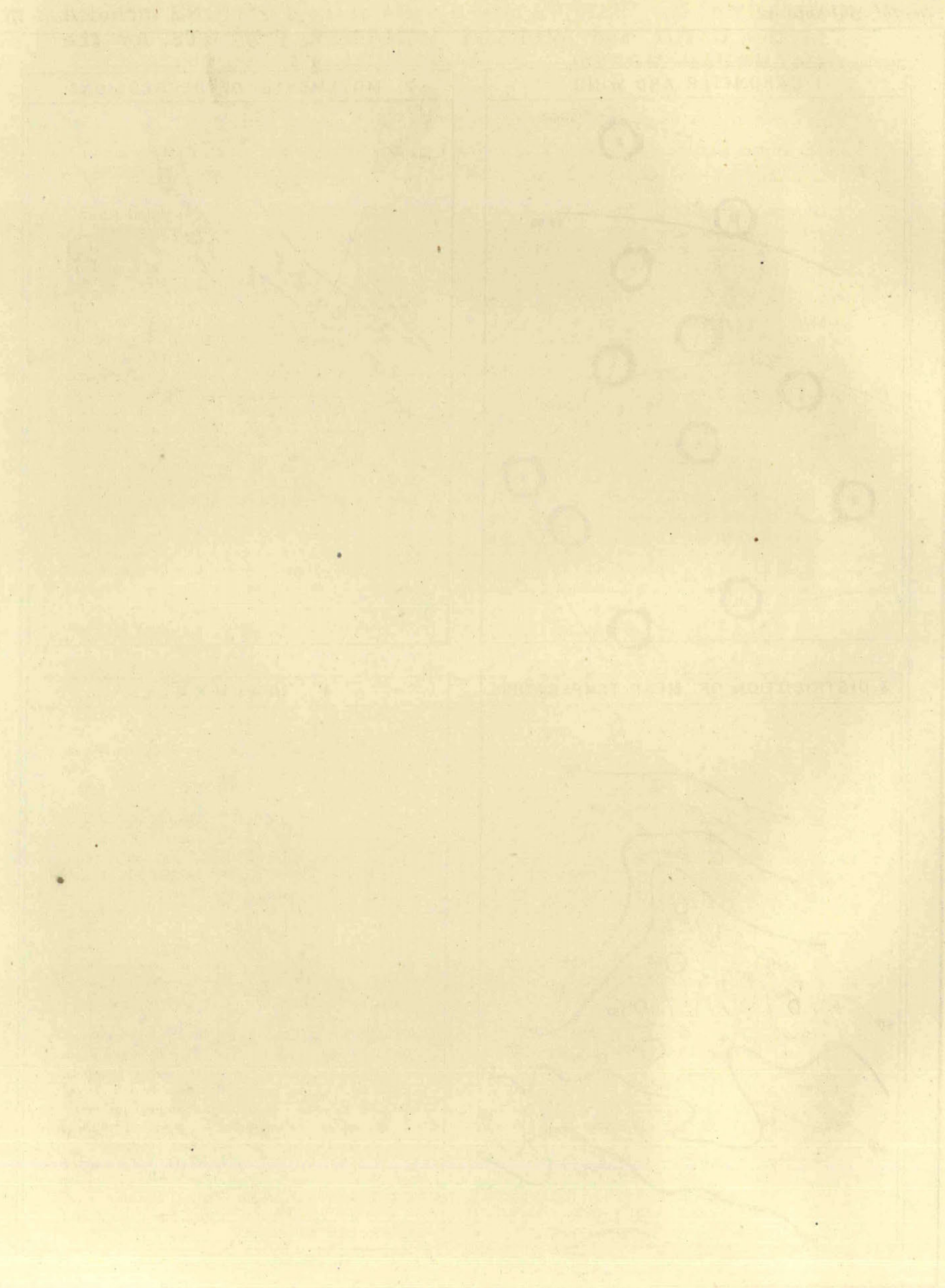


3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.





SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

AUGUST 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST.,
EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of August was cool and exceedingly unsettled, with frequent thunderstorms during the latter part of the month. Pressure and temperature were below the average in most districts; the winds were rather variable, but chiefly from the Westward. Rainfall was mostly in excess of the normal, especially over Ireland and the north-west of England, and bright sunshine was deficient in all but our eastern and midland counties. During the night of the 17th–18th sharp earthquake shocks were experienced at several of our south-western stations.

Pressure.—*Mean for the month at 8 a.m.* ranged from 29·95 ins. and upwards over the English Channel to a little below 29·7 ins. in the Shetlands. The general distribution was of a normal character, but the actual values were below the average,* and as the deficit was very slight in the south but rather large in the north, the mean gradient was somewhat steeper than usual. *Highest* readings were recorded mostly on the 2nd, when the barometer rose above 30·3 ins. in the west of Ireland, and above 30·1 ins. in all other parts of the United Kingdom. Over England, however, the pressures recorded were somewhat higher on the 10th than those of the earlier date. *Lowest* readings were observed during the passage of the depression of the 29–31st, when the barometer fell below 29·2 ins. in many parts of Ireland and Scotland, and below 29·5 ins. in nearly all other districts. *Range* was slight over England, moderate in Ireland and Scotland.

Depressions.—In the course of the month several depressions travelled along to the north-westward and northward of our Islands, and on one occasion (the 29th–31st) a well-marked system passed directly over our western and northern districts. Between the 16th and 19th, and again between the 22nd and 25th, several shallow disturbances advanced eastwards over the kingdom, but these systems were too ill-defined, and their paths too erratic, to admit of accurate delineation on Map 2, Plate VIII.

Anticyclones.—The anticyclones observed over Europe lay as a rule to the southward or south-eastward of our Islands. At the commencement of the month, however, a well-formed area spread temporarily over us from the westward, while from the 9th to the 11th an anticyclone of moderate size and height travelled steadily across the kingdom in an east-south-easterly direction.

Winds were rather variable, but mostly from some Westerly quarter. In the east and south-east of England the predominance of Westerly breezes was very marked, but on our western and northern coasts there was a considerable proportion of Southerly winds, while in the extreme north-west there was a fair admixture of breezes from the Eastward and North-eastward. Very few gales were reported on our western coasts, but in the east and south of Great Britain they were more numerous; at Aberdeen and Hurst Castle there were five, while at Spurn Head there were as many as eight.

Temperature.—*Mean at Sea Level* ranged from 64° and upwards in the Channel Islands and 62° and upwards over the south-eastern parts of England to a little above 53° in the Hebrides and to about 52° in the Shetlands. The general distribution showed a fair agreement with the normal, but the actual values were below the average* in all districts excepting the extreme south and south-east of England and the eastern and central parts of Ireland, the deficit being slight in most places, but rather large (about one and a half degrees) on our extreme north and north-west coasts. *Highest* readings were recorded between the 21st and 23rd, when the thermometer rose to 70° or more in nearly all districts and to a little above 80° over the inland parts of England. *Lowest* readings occurred mainly on the 10th or 11th, but at some of the Scotch stations they were registered on the 29th; over the inland parts of Great Britain the thermometer fell in many cases below 36°, while at Braemar the minimum on the 29th was as low as 32°. *Range* amounted to between 35° and 40° at several of the English and Scotch stations—the largest values of all being 46° at Stamford and 44° at Gledston. *Vapour Tension* ranged from 0·51 in. at the North Foreland and from between 0·46 in. and 0·48 in. in the extreme south and south-west of England generally to 0·36 in. or less in the north-east of Scotland. *Relative Humidity* was below 80 per cent. in the east of Scotland and below 85 per cent. over a considerable portion of England. At some of our south-eastern and north-western stations, however, the value was above 90 per cent. and at Stornoway it was as high as 96 per cent.

Rainfall was generally in excess of the average,* the only localities in which any deficit is shown being certain portions of the north of Scotland and the north-eastern and central parts of England with one or two of the Channel stations. In some parts of central Ireland and the north-west of England the total amount was more than double and at Roche's Point three times the average.* Falls exceeding an inch in 24 hours were recorded at most of the English and Irish stations, the largest amount being 2·8 ins., which was observed at Roche's Point on the 23rd and at Falmouth on the 27th. The number of rainy days ranged from between 12 and 14 in the east of England to 25 at several of the Irish and Scotch stations and to 27 at Glencarron and Markree Castle.

Bright Sunshine amounted to less than the average* in all but the eastern and central parts of England, the deficit being slight in most places, but rather large at some of the Irish stations. The percentage of the possible duration was above 40 over the greater part of England, and reached 55 at Jersey and 58 at Guernsey. At many of the Irish and Scotch stations, however, there was less than 25 per cent., and at Fort Augustus only 17 per cent.

* The averages employed are—*Pressure and Temperature* for the 29 years, 1871–90; *Rainfall* for the 25 years, 1865–90; *Bright Sunshine* for the 10 years, 1881–90.

TABLE XV.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 39° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°691	ins. -0°090	51°9	47°8	55°5	51°7	-1°4	43	31st	63	22nd
	Wick	29°742	-°068	54°3	48°7	59°5	54°1	-0°6	40	17th, 29th	72	21st
	Stornoway	29°726	-°070	54°1	48°2	58°3	53°3	-1°0	41	9th, 10th	64	23rd
1. SCOTLAND, E.	Nairn	29°739	-°080	55°3	48°8	63°1	56°0	-0°9	36	10th	73	21st
	Aberdeen	29°770	-°062	55°6	49°1	61°5	55°3	-1°3	37	10th	67	13th, 14th, 15th, 22nd.
	Leith	29°785	-°064	57°5	50°5	64°9	57°7	-0°8	38	29th	74	22nd
2. ENGLAND, N.E.	Shields	29°814	-°057	56°3	49°6	63°8	56°7	-1°1	39	10th	74	21st
	York	29°861	-°045	57°6	52°1	66°5	59°3	-0°3	43	11th	78	23rd
	Spurn Head	29°866	-°039	58°4	53°9	64°1	59°0	-0°7	50	2nd, 5th	73	12th, 21st
3. ENGLAND, E.	Yarmouth	29°899	-°029	60°4	53°6	65°9	59°8	-0°8	46	5th	77	17th
	Cambridge	29°920	-°017	60°3	51°1	71°3	61°2	-0°4	40	11th	83	17th
4. MIDLAND COUNTIES	Loughborough	29°910	-°018	58°3	51°5	70°0	60°8	-0°3	39	5th	82	23rd
	Oxford	29°930	-°018	58°6	52°5	68°9	60°7	-0°5	39	11th	77	17th, 23rd
5. ENGLAND, S.	London	29°940	-°014	61°4	53°6	71°2	62°4	-0°3	42	11th	80	17th, 23rd
	North Foreland	29°923	-°027	62°5	55°9	67°4	61°7	+1°1	51	12th	80	17th
	Dungeness	29°930	-°019	61°6	56°3	67°5	61°9	-0°1	49	16th, 21st	73	18th
	Hurst Castle	29°950	-°015	62°0	56°4	68°0	62°2	+0°2	48	10th, 11th	77	1st
6. SCOTLAND, W.	Ardrossan	29°794	-°063	57°1	51°6	62°3	57°0	-1°2	41	29th	71	23rd
7. ENGLAND, N.W.	Hawes Junction*	28°625	?	52°9	47°3	59°8	53°6	?	33	10th	72	23rd
	Liverpool	29°875	-°031	57°9	54°2	64°6	59°4	-0°6	45	10th	73	22nd
	Holyhead	29°864	-°043	58°2	54°1	63°0	58°6	-0°9	46	10th	71	23rd
8. ENGLAND, S.W.	Pembroke	29°896	-°032	58°3	55°7	62°5	59°1	-0°3	52	20th, 28th	67	23rd
	Prawle Point	29°953	-°022	60°2	55°5	65°4	60°5	+0°6	48	11th	77	1st
9. IRELAND, N.	Malin Head	29°783	-°072	55°6	52°7	60°0	56°4	-1°3	46	10th	68	21st
	Donaghadee	29°835	-°044	56°5	54°2	63°3	58°8	+1°6	50	9th	69	15th
	Mullaghmore	29°820	-°048	57°1	53°3	62°2	57°8	-0°8	49	10th, 19th	70	21st
	Belmullet	29°833	-°037	57°7	53°7	61°7	57°7	-1°5	48	12th, 13th	66	17th, 18th
10. IRELAND, S.	Parsonstown	29°857	-°063	56°4	51°6	64°8	58°2	-0°5	42	10th	72	21st
	Valencia (Cahiriveen)	29°898	-°029	59°2	54°7	63°4	59°1	-0°3	47	17th	67	18th, 21st, 29th
	Roche's Point	29°886	-°041	59°3	55°2	64°5	59°9	-0°1	43	9th, 28th	71	1st
CHANNEL ISLANDS	Scilly	29°922	-°040	61°9	57°4	66°4	61°9	+0°9	54	5th, 10th	71	14th
	Jersey	29°978	-°006	64°5	57°4	69°9	63°7	+0°7	49	12th	81	16th

* Hawes Junction is 1,135 feet above mean sea level, and the

SUMMARY OF OBSERVATIONS, AUGUST 1892.

xxx

REPORTING STATIONS in the BRITISH ISLANDS during the Month of AUGUST 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Barometer at this station is not reduced for altitude.

TABLE XVI.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of AUGUST 1892.

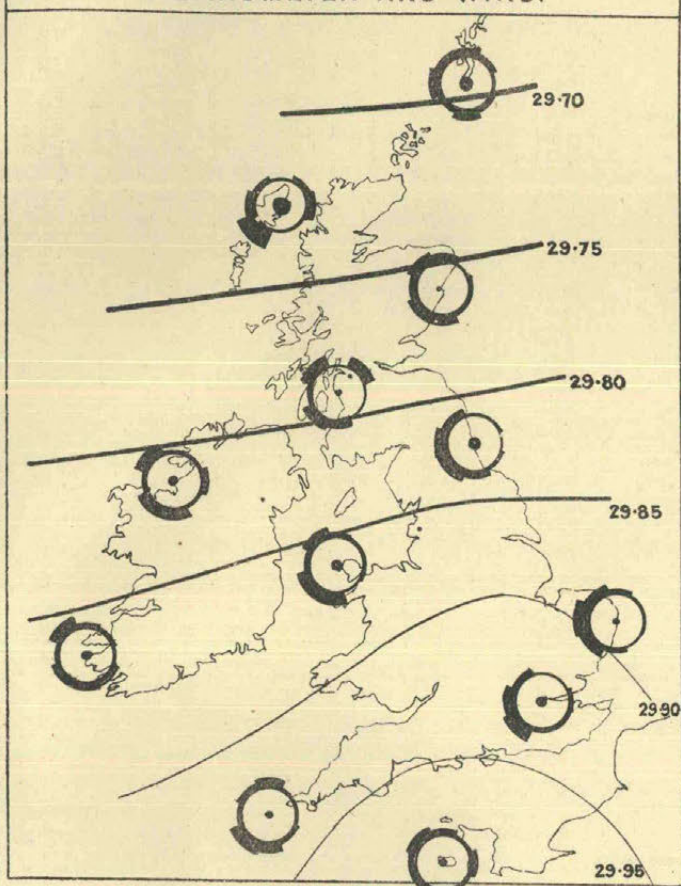
NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	°	°	°	*	ins.	ins.	ins.	*	112'6	-7'7	24	-2
LAIRG	47'0	60'7	53'9	-1'2	36	10th	74	23rd	25	2'43	-0'37	0'44	5th	—	—	—	—
GLENCARRON	47'5	59'3	53'4	-1'2	38	10th, 29th	71	23rd	27	9'63	+3'03	0'97	12th	—	—	—	—
FORT AUGUSTUS	49'7	62'0	55'9	-0'4	35	29th	74	23rd	23	4'84	+1'79	0'92	14th	80'1	?	17	?
FORT WILLIAM	50'1	61'0	55'6	-1'1	36	29th	69	23rd	25	8'33	+2'63	1'32	26th	96'2	?	21	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	143'8	-11'5	31	-3
BRAEMAR	46'5	60'0	53'3	-0'6	32	29th	71	23rd	24	3'76	+0'02	0'87	29th	117'5	?	25	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	151'7	?	33	?
OCHTERTYRE	47'8	65'4	56'6	-0'3	34	28th	74	23rd	20	5'87	+2'38	1'35	29th	—	—	—	—
MARCHMONT	48'2	62'6	55'4	-1'0	36	29th	74	23rd	17	3'75	+0'29	0'62	7th	103'3	?	35	?
ALNWICK CASTLE	50'5	62'7	56'6	-0'4	37	9th	71	22nd	18	4'55	+1'50	0'93	8th	—	—	—	—
DURHAM	49'8	65'2	57'5	-1'0	35	10th	76	23rd	18	3'92	+1'15	0'86	7th	121'7	-31'0	27	-6
SCARBOROUGH	52'5	64'6	58'6	0'0	46	5th, 7th	76	21st	13	2'31	-0'36	0'75	29th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	120'8	?	27	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	130'8	-16'2	29	-3
HILLINGTON	51'8	69'4	60'6	+0'1	39	5th	79	17th, 23rd	12	2'11	-0'61	1'00	18th	182'3	+8'2	41	+2
GELDESTON	50'8	69'6	60'2	-0'5	38	5th, 11th	82	17th	14	3'72	+1'83	1'43	19th	192'3	+0'6	43	0
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	191'2	+14'6	43	+3
ROTHAMSTED	50'4	68'7	59'6	-0'7	38	11th	78	17th, 23rd	14	3'61	+1'19	1'38	27th	196'2	?	44	?
BAWTRY	49'4	68'2	58'8	-1'0	42	10th	81	23rd	13	2'12	-0'28	0'96	29th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	130'2	-18'5	29	-4
STAMFORD (KETTON HALL).	49'4	70'5	60'0	-1'0	35	11th	81	23rd	14	1'52	-0'74	0'37	27th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	170'7	+13'7	38	+3
CHADLE	50'5	64'6	57'6	-0'2	40	10th	73	23rd	16	2'87	-0'69	0'59	7th	—	—	—	—
CHURCHSTOKE	49'6	65'9	57'8	-0'5	35	10th	76	21st	16	2'45	-0'26	0'55	23rd	152'4	-14'4	34	-3
HEREFORD	51'2	68'7	60'0	-0'5	39	10th, 11th	77	21st	16	2'93	+0'51	0'83	23rd	—	—	—	—
CIRENCESTER	50'0	66'7	58'4	-0'6	36	20th	73	17th, 21st, 22nd	17	3'05	+0'01	1'10	27th	184'6	+4'9	41	+1
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	196'5	+13'9	44	+
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	178'9	+14'6	40	+
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	177'5	?	40	?
STRATHFIELD TURGIS	51'3	70'7	61'0	-0'5	37	5th	79	17th	18	3'82	+1'69	1'85	27th	—	—	—	—
HASTINGS	55'9	67'7	61'8	-0'5	50	10th, 12th	76	18th, 23rd	18	2'79	+0'41	0'48	27th	205'3	+1'4	46	0
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	192'7	?	43	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	201'6	?	45	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	198'4	?	45	?
SOUTHAMPTON	54'3	70'8	62'6	+0'5	46	11th	77	18th, 22nd	16	3'53	+0'91	1'56	27th	202'2	-0'7	46	0
STOWELL	51'5	67'1	59'3	-0'8	39	11th	74	22nd	19	4'52	?	1'71	27th	—	—	—	—
LAUDALE	49'3	61'2	55'3	-1'6	38	29th	71	23rd	26	6'46	+1'22	0'80	12th	—	—	—	—
GLASGOW	50'9	62'7	56'8	-0'1	39	29th	71	23rd	22	6'56	+2'79	1'55	29th	139'8	+9'9	30	+2
GLENLEE	47'9	63'4	55'7	-0'8	34	10th, 29th	74	23rd	21	8'07	+3'67	1'48	29th	—	—	—	—
DOUGLAS	51'2	62'4	56'8	-0'4	41	10th, 20th	70	23rd	18	6'35	+2'78	1'06	7th	165'4	-5'3	36	-2
NEWTON REIGNY	49'1	63'6	56'4	+0'5	34	10th	76	23rd	18	6'63	+3'55	1'11	7th	129'6	-11'5	28	-3
STONYHURST	51'6	63'1	57'4	-1'2	39	10th	73	23rd	18	7'23	+2'52	1'34	29th	129'4	-20'3	28	-5
BLACKPOOL	54'0	64'2	59'1	-0'3	41	10th	76	23rd	16	5'02	+1'96	1'50	7th	124'8	-34'1	28	-7
MANCHESTER	52'0	64'9	58'5	-0'4	41	10th	75	23rd	18	5'48	+1'95	1'22	29th	—	—	—	—
LLANDUDNO	54'1	64'6	59'4	-0'8	43	10th	73	23rd	18	3'04	+0'37	0'81	29th	153'4	-2'8	34	-1
LLANDOVERY	49'6	68'4	59'0	-0'7	35	5th	78	22nd	19	4'32	-0'24	0'81	27th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	148'9	-52'4	33	-12
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	155'1	?	35	?
ARLINGTON	51'9	65'4	58'7	-0'1	42	11th	72	22nd	19	5'04	+0'07	1'40	27th	—	—	—	—
CULLOMPTON	51'8	68'9	60'4	+0'7	37	11th	76	17th	17	3'88	+1'13	1'80	27th	179'5	-4'3	40	-1
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	205'9	?	47	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	181'1	?	41	?
FALMOUTH	55'3	66'4	60'9	+0'4	49	5th, 11th	70	18th, 21st	12	5'70	+2'12	2'80	27th	196'0	-10'2	44	-3
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	255'7	?	58	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	243'8	+0'9	55	0
LONDONDERRY	51'1	—	—	—	42	10th, 29th	—	—	22	3'94	+0'15	0'77	7th	—	—	—	—
EDENFEL (OMAGH)	50'3	61'9	56'1	-1'2	38	6th	69	17th, 21st	23	4'83	+1'24	0'80	7th, 23rd	—	—	—	—
MARKREE CASTLE	49'4	63'8	56'1	-1'0	36	9th	71	21st	27	6'06	+2'46	1'04	7th	112'0	-15'8	25	-3
BROOKBOROUGH	50'5	63'3	56'9	-0'1	40	7th, 10th	69	17th, 21st	19	5'90	+2'46	1'08	7th	—	—	—	—
ARMAGH	50'4	63'9	57'2	-0'7	39	10th	71	23rd	21	7'04	+4'13	1'27	26th	103'6	-14'8	23	-3
EDGEWORTHSTOWN	49'8	63'9	56'9	-0'7	42	10th	71	21st	23	7'61	+4'18	1'91	7th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	120'1	?	26	?
DUBLIN	54'1	65'9	60'0	+0'5	43	10th	70	11th, 12th, 13th, 21st.	22	3'56	+0'77	1'31	16th	134'5	-27'1	30	-6
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	93'2	-52'2	21	-11
KILKENNY CASTLE	52'4	65'7	59'1	+0'1	40	28th	70	18th	20	4'50	+1'15	0'93	16th	—	—	—	—
WATERFORD	53'2	66'9	60'1	+0'3	41	10th	72	1st	21	4'74	+1'17	1'00	28th	—	—	—	—
VALENCIA (CAHIR-CIVIL).	*	*	*	*	*	*	*	*	*	*	*	*	*	96'9	-64'4	22	-14
KILLARNEY	53'1	64'2	58'7	-0'6	44	9th	70	18th, 21st	25	10'24	?	1'85	12th	—	—	—	—
POYNES	53'7	64'3	59'0	+0'4	46	8th	73	21st	23	6'32	?	0'94	23rd	—	—	—	—

MONTHLY WEATHER CHART. AUGUST 1892.

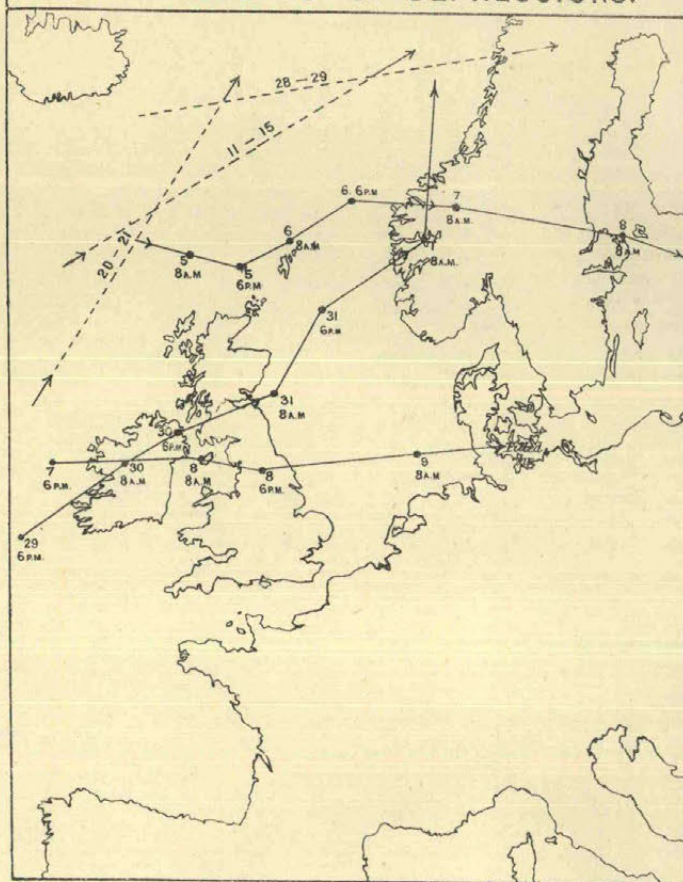
Monthly Summary

Plate VIII.

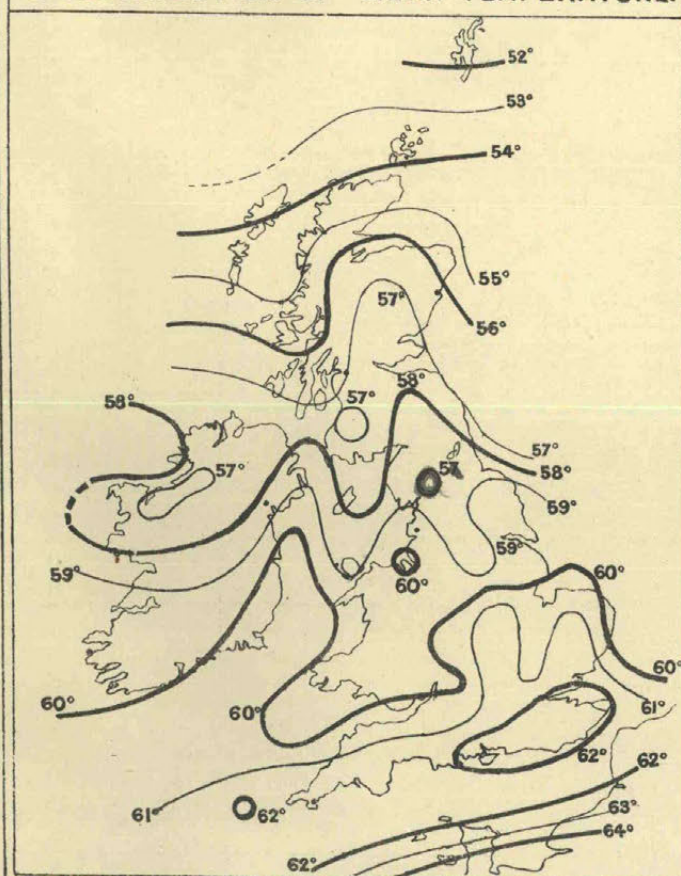
1 BAROMETER AND WIND.



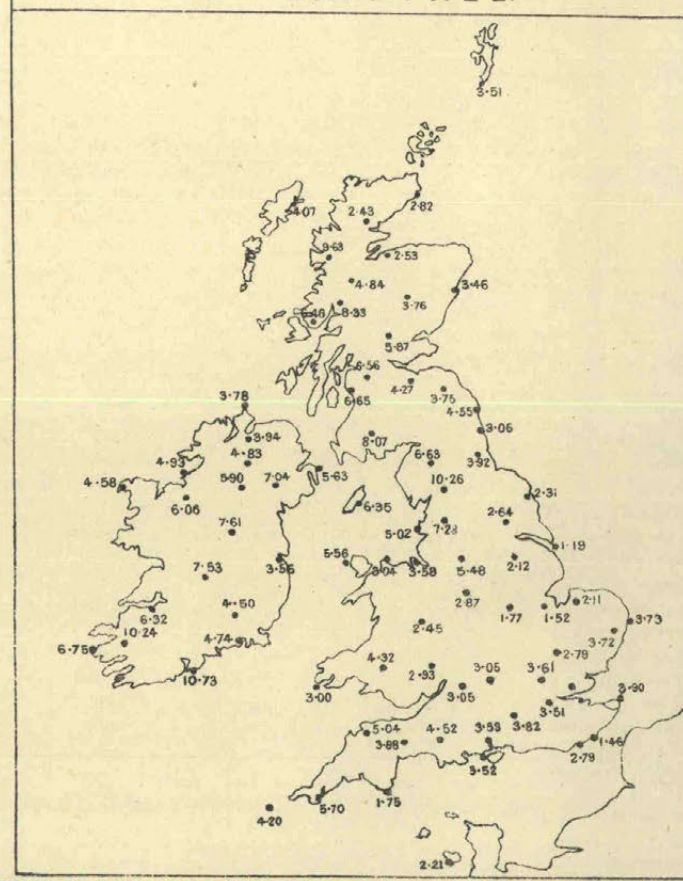
2. MOVEMENTS OF DEPRESSIONS.

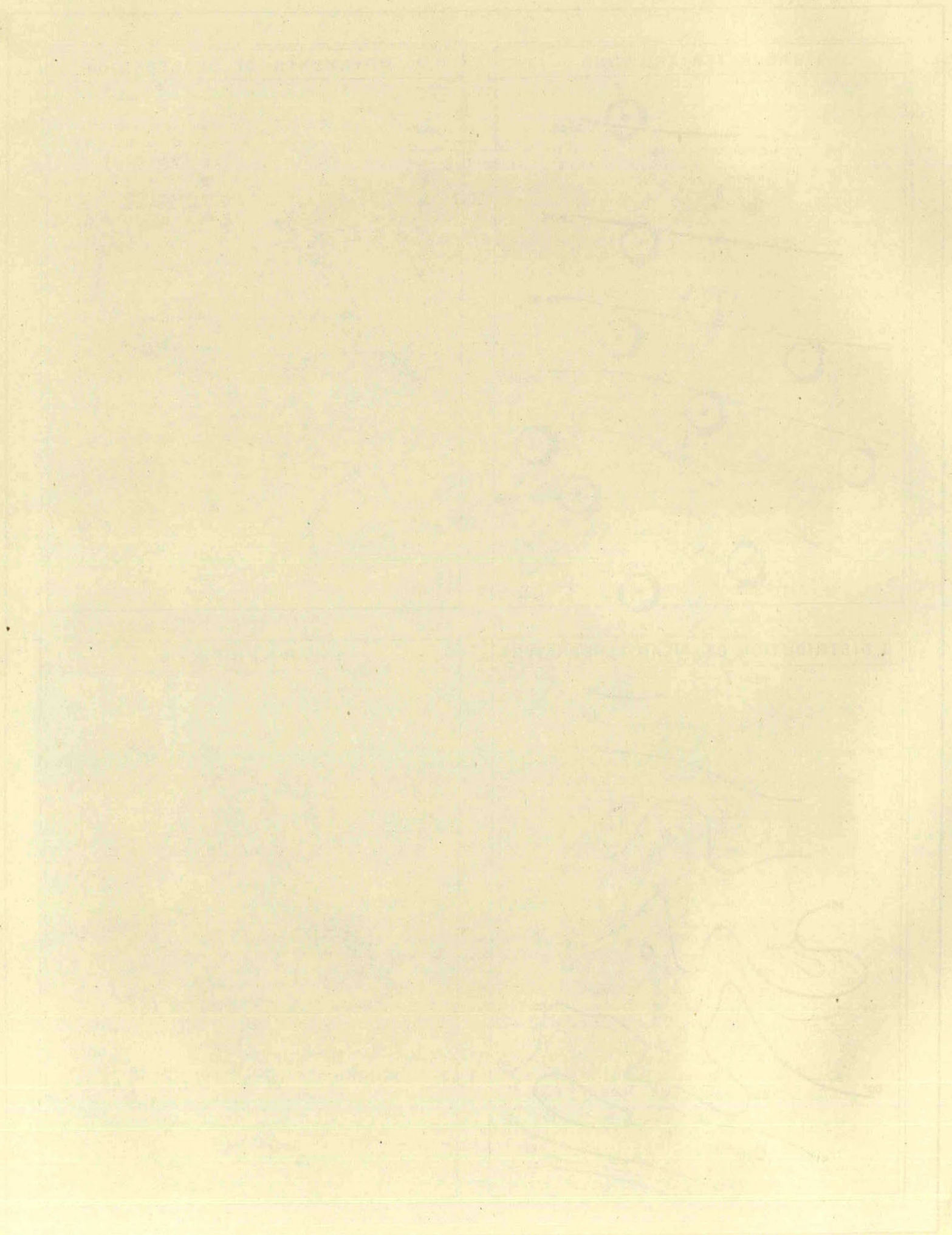


3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.





SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

SEPTEMBER 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of September was cool and unsettled, with occasional thunderstorms over England. Pressure was below the average in all but the extreme southern districts; temperature was low, especially in the north; the winds were chiefly Westerly, and gales rather frequent on our north and north-west coasts; and rainfall was in excess of the average in the western districts, but deficient in most other localities. The amount of bright sunshine showed no great divergence from the normal.

Pressure.—*Mean for the Month at 8 a.m.* ranged from between 30·00 ins. and 30·05 ins. over the English Channel to 29·65 ins. in the Hebrides, and to 29·61 ins. in the Shetlands. The general distribution agreed very closely in type with the normal, but the readings were below the average* in all but the extreme southern districts; and, as the deficit was greatest (0·15 in. to 0·20 in.) in the north, the mean gradient over the United Kingdom was steeper than usual. *Highest* readings were recorded in the western and southern districts on the 4th or 5th, but in the northern and eastern districts on the 22nd, when the barometer exceeded 30·3 ins. in most parts of the kingdom. *Lowest* readings were registered at the northern stations either on the 2nd, the 16th, the 27th, or the 29th, when the barometer fell to between 29·1 ins. and 29·3 ins. in most parts of Scotland. In the southern portions of the kingdom the lowest pressures, which occurred on the 30th, were very little below 29·5 ins. *Range* was moderate in the north, but small in the south.

Depressions.—During nearly the whole month a series of depressions travelled along to the northward of our Islands in the direction shown by the arrow A in Map 2, Plate IX. On some occasions well-marked secondaries appeared further south, the most important being that of the 16th, which occasioned severe gales in the north of Scotland. On the 20th and 21st two shallow and rather complex systems passed eastwards over the south of England, and produced heavy rain over the southern parts of the kingdom, while at the close of the month a depression advanced over Great Britain from the northward, and its movements being gradual, its stay in our neighbourhood was prolonged through the first few days of October.

Anticyclones.—The anticyclone observed during September lay as a rule to the southward of our Islands. On the 4th, however, a large system extended over us from the westward, while on the 20th–22nd an anticyclone—formed off our northern coasts—spread temporarily southwards, and afterwards travelled away to northern and central Europe.

Winds were chiefly from the Westward or South-westward, but on our western and southern coasts there was a fair proportion of Northerly breezes. Gales were rather numerous, especially in the north and north-west; at Aberdeen and Belmullet there were 8, at Stornoway 9, and at Mullaghmore as many as 13. At several of our western and southern stations there was an entire absence of calms.

Temperature.—*Mean at sea level* ranged from about 61° in the Channel Islands from a little below 58° on the extreme south and south-east coasts of England to about 49° in the Shetlands and Hebrides. The general distribution was of a fairly normal character, but the actual values were everywhere below the average,* the deficit varying from less than a degree in the south of England to between two and a half and three and a half degrees in Scotland and the north-west of Ireland. *Highest* readings occurred at somewhat irregular times in the various districts, but mostly on the 6th in Ireland and Scotland, and on the 13th or 19th over England. *Lowest* readings were recorded between the 17th and 18th, or on the 21st and 22nd, when sharp frost occurred at many of the inland stations in Great Britain. *Range* was moderate generally, but rather large in some of the English districts; at Stamford, Hillington, and Cambridge, it amounted to 39°, at Strathfield Turgiss to 41°, and at Cullompton to 42°. *Vapour Tension* ranged from 0·30 in. or less in the north-east of Scotland to between 0·40 in. and 0·42 in. on the south coasts of Great Britain. *Relative Humidity* varied from 77 per. cent. at Aberdeen and 80 per. cent. at Leith, Mullaghmore, and Jersey, to 93 per. cent. at Stornoway and Ardrossan.

Rainfall was in excess of the average* over the western parts of Great Britain and also over central Ireland, but in most other localities a deficit was shown. In the west of Scotland the fall amounted to about twice as much as the normal, the values being as large as 14·0 ins. at Fort William, 12·9 ins. at Glencarron, and 12·3 ins. at Laudale. With these exceptions the heaviest amounts recorded over our Islands were 9·4 ins. at Hawes Junction, 6·8 ins. at Belmullet, and 5·6 ins. at Arlington, the smallest being 1·0 ins. at Leith. 1·1 ins. at York and Spurn Head, and 1·2 ins. at Scarborough. Falls exceeding an inch in 24 hours were experienced at several of the western, central, and southern stations, the largest of all being 2·2 ins. at Hawes Junction, and 1·7 ins. at Fort William and Laudale.

Bright Sunshine.—The amount of bright sunshine was slightly in excess of the average* in the northern districts, but a trifle below it in the south. The per-centage of the possible amount of duration exceeded 35 in the eastern and southern parts of Great Britain, and reached 42 at Guernsey, and 48 at Jersey. In the western parts of the kingdom the values were mostly below 30, and at Fort Augustus the per-centage was as low as 12.

* The averages employed are—*Pressure and Temperature* for the 20 years 1871–90; *Rainfall* for the 25 years 1866–90; *Bright Sunshine* for the 10 years 1881–90.

TABLE XVII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
the Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				Means of				Absolute Extremes.				
				At 8 a.m.	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°613	ins. -0°184	48°8	43°7	53°2	48°5	-2°1	36	21st	58	6th
	Wick	29°671	-°158	49°6	43°1	55°7	49°4	-2°2	31	30th	62	6th, 18th
	Stornoway	29°648	-°167	49°1	43°0	54°7	48°9	-2°2	34	21st, 22nd	59	1st, 6th
1. SCOTLAND, E.	Nairn	29°687	-°156	49°0	41°0	58°0	49°5	-3°4	25	21st	66	6th
	Aberdeen	29°744	-°114	51°0	43°3	57°5	50°4	-2°6	32	21st, 22nd, 30th	64	10th
	Leith	29°781	-°100	52°1	46°5	59°5	53°0	-1°7	39	22nd	65	10th, 13th
2. ENGLAND, N.E.	Shields	29°839	-°064	51°7	45°9	59°3	52°6	-1°7	39	5th, 8th	67	13th
	York	29°896	-°043	52°1	46°3	60°9	53°6	-1°7	38	5th, 8th	67	13th
	Spurn Head	29°899	-°030	54°0	49°4	60°2	54°8	-1°8	38	30th	67	13th
3. ENGLAND, E.	Yarmouth	29°945	-°003	55°6	49°4	61°7	55°6	-1°2	41	9th	70	16th
	Cambridge	29°976	+°011	54°5	46°3	65°0	55°7	-1°2	34	18th	73	13th
4. MIDLAND COUNTIES	Loughborough	29°953	-°006	52°8	47°3	63°1	55°2	-1°2	39	9th, 18th	71	12th
	Oxford	29°986	+°015	53°1	47°7	62°7	55°2	-1°3	35	18th	69	13th
5. ENGLAND, S.	London	29°999	+°021	55°7	48°6	64°5	56°6	-1°4	35	18th	72	19th, 20th
	North Foreland	29°977	+°007	57°7	52°0	62°7	57°4	-0°3	45	9th, 18th	71	19th
	Dungeness	29°991	+°021	57°5	50°9	64°3	57°6	-0°6	38	18th	69	20th
	Hurst Castle	30°014	+°023	57°2	52°0	63°8	57°9	-0°3	39	18th	68	21st
6. SCOTLAND, W.	Ardrossan	29°794	-°091	52°2	48°6	56°4	52°5	-2°0	39	22nd	61	10th
7. ENGLAND, N.W.	Hawes Junction*	28°636	?	47°6	43°1	53°7	48°4	?	36	5th, 17th	60	12th
	Liverpool	29°914	-°021	53°4	49°7	59°2	54°5	-1°5	40	6th	66	12th
	Holyhead	29°896	-°033	54°9	51°3	58°9	55°1	-1°6	46	30th	63	19th
8. ENGLAND, S.W.	Pembroke	29°957	+°009	55°8	53°1	58°7	55°9	-0°7	47	30th	62	9th
	Prawle Point	30°016	+°018	56°0	51°2	60°8	56°0	-1°3	45	5th, 17th	65	4th, 20th
9. IRELAND, N.	Malin Head	29°762	-°118	50°9	48°6	55°8	52°2	-1°4	41	22nd	61	8th
	Donaghadee	29°842	-°063	51°8	49°2	58°7	54°0	-0°4	43	28th	64	10th
	Mullaghmore	29°836	-°054	52°6	49°1	57°7	53°4	-2°2	43	21st	66	15th
	Belmullet	29°851	-°039	53°6	49°4	56°8	53°1	-3°6	43	22nd	60	7th, 8th
10. IRELAND, S.	Parsonstown	29°905	-°032	51°2	46°1	58°9	52°5	-2°0	36	17th	66	6th
	Valencia (Cahiriveen)	29°977	+°030	55°1	50°7	59°0	54°9	-1°8	40	17th, 22nd	64	1st
	Roche's Point	29°967	+°021	55°3	50°6	60°0	55°3	-1°1	43	17th	65	9th
CHANNEL ISLANDS	Scilly (St. Mary's)	30°008	+°037	58°0	53°4	61°5	57°5	-0°8	48	17th, 18th	68	1st
	Jersey	30°050	+°062	60°2	53°9	65°9	59°9	-0°2	45	15th	72	12th, 26th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

SUMMARY OF OBSERVATIONS, SEPTEMBER 1892.

XIXV

REPORTING STATIONS in the BRITISH ISLANDS during the Month of SEPTEMBER 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD	RAINFALL.				WEATHER.							WIND.									
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of									
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.	
in. 0.302	% 88	8.1	ins. 5.05	ins. +1.73	ins. 0.61	24th	24	0	0	0	0	16	1	2	0	0	3	6	8	7	3	1	
298	84	7.1	2.30	-0.23	0.45	12th	18	0	1	0	2	12	4	3	0	0	0	5	10	6	5	1	
324	93	8.6	4.54	+0.44	0.45	28th, 30th	26	0	1	0	0	21	9	1	0	1	0	2	12	8	2	4	
287	83	5.8	2.47	-0.11	0.62	24th	15	0	0	0	3	5	0	0	0	0	0	1	14	2	2	11	
288	77	5.7	1.98	-0.99	0.35	5th	17	0	0	1	2	8	8	0	0	0	0	9	12	6	3	0	
312	80	7.3	0.95	-1.39	0.19	23rd	16	0	0	0	1	13	0	1	1	3	0	3	12	7	1	2	
327	85	7.3	2.51	+0.01	0.61	1st	14	0	0	0	0	10	0	1	2	0	0	9	9	6	2	1	
334	85	5.6	1.07	-1.63	0.21	1st	16	0	0	0	11	10	0	2	1	1	0	10	5	8	2	1	
409	98	6.5	1.06	-0.96	0.36	20th	14	0	1	0	3	12	7	2	2	0	0	7	12	3	3	1	
388	87	4.1	1.76	-1.15	0.61	29th	14	0	0	0	11	1	0	0	1	0	0	3	10	10	6	0	
368	87	6.6	3.02	+0.76	1.53	21st	12	0	1	2	4	14	0	0	1	0	1	5	15	2	5	1	
338	84	6.8	2.38	-0.38	1.33	20th	15	0	0	0	2	11	1	1	1	0	1	4	11	7	3	2	
346	85	6.0	2.26	-0.40	0.71	29th	15	0	0	1	12	15	0	3	1	0	0	5	11	5	2	3	
363	82	6.0	2.05	-0.30	0.92	29th	15	0	1	2	8	9	1	0	1	1	1	3	13	5	6	0	
397	83	5.6	1.89	?	0.59	20th	12	0	0	2	8	11	4	1	1	1	0	4	4	15	4	0	
408	86	6.0	1.79	-0.85	0.34	20th	14	0	0	1	0	3	4	6	2	1	0	3	4	10	3	1	
409	87	6.0	2.57	-0.44	0.74	29th	14	0	0	2	1	5	4	3	3	0	1	1	8	10	4	0	
363	93	7.6	2.60	-1.07	0.44	12th	15	0	0	0	1	15	1	0	5	0	0	2	15	4	2	2	
313	95	8.7	9.41	?	2.24	1st	22	0	2	1	0	23	0	0	1	4	4	6	10	3	2	0	
350	86	7.7	3.05	-0.25	0.72	20th	24	0	1	0	2	18	1	1	2	1	4	8	6	7	1	0	
363	85	6.7	3.53	+0.30	0.65	11th	21	0	0	0	0	10	1	1	2	1	0	1	13	6	5	1	
402	90	7.8	2.95	-0.63	0.64	29th	22	0	0	0	0	14	7	1	1	1	1	3	8	9	6	0	
402	89	7.2	3.86	+1.40	1.48	29th	17	0	0	1	1	15	1	3	0	2	4	0	7	10	4	0	
319	86	7.8	3.90	?	0.82	12th	25	0	3	0	2	19	4	3	1	1	1	7	6	6	5	0	
354	91	6.0	1.81	-1.23	0.48	1st	25	0	0	0	2	9	2	2	1	2	1	1	8	13	2	0	
320	80	6.7	4.84	-0.11	0.68	26th	24	0	2	0	4	7	13	1	1	2	0	6	10	5	5	0	
339	82	7.8	6.83	?	0.93	17th	25	0	0	0	1	17	8	3	1	1	1	2	6	10	6	0	
330	88	8.0	4.06	+0.90	0.50	1st	21	0	1	0	3	20	0	0	0	0	1	0	18	0	2	9	
366	84	8.6	3.56	-0.97	0.51	5th	22	0	0	0	0	21	3	2	3	0	0	7	6	6	5	1	
372	85	5.7	3.19	-0.89	1.05	20th	17	0	0	0	0	10	2	4	0	1	1	0	8	9	7	0	
415	86	7.3	2.65	-0.76	0.57	1st	17	0	0	0	0	7	2	2	1	1	1	5	7	5	8	0	
415	80	7.1	2.36	-0.69	0.67	2nd	15	0	0	1	3	13	0	1	2	5	2	1	9	6	4	0	

Barometer at this station is not reduced for altitude.

TABLE XVIII.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of SEPTEMBER 1892.

STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	*	°	*	*	ins.	ins.	ins.	*	110'6	+ 4'1	29	°/°
LAIRG	40'9	56'3	48'6	-2'8	27	21st	62	6th, 17th	22	3'26	+0'19	0'50	12th	—	—	—	—
GLENCARRON	41'8	54'7	48'3	-2'6	34	21st	62	22nd	24	12'86	+6'05	1'36	24th	—	—	—	—
FORT AUGUSTUS	42'2	55'1	48'7	-3'9	29	21st	63	6th	24	6'85	+3'07	1'04	24th	45'0	?	12	?
FORT WILLIAM	45'1	55'9	50'5	-2'6	34	21st	60	6th, 15th, 21st	25	13'99	+7'29	1'69	14th	74'4	?	20	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	149'1	+33'4	40	+ 9
BRAEMAR	39'4	53'5	46'5	-3'1	23	21st	61	6th	17	3'26	-0'19	0'90	26th	100'7	?	27	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	101'0	?	27	?
OCHTERTYRE	42'3	58'7	50'5	-2'5	33	20th, 21st	70	6th	18	2'82	-0'79	0'86	26th	—	—	—	—
MARCHMONT	43'4	57'0	50'2	-2'3	35	5th, 30th	67	11th	19	1'81	-1'52	0'30	19th	100'1	?	29	?
ALNWICK CASTLE	46'4	57'5	52'0	-1'1	32	29th	65	13th	20	2'25	-0'67	0'43	6th	—	—	—	—
DURHAM	45'5	59'5	52'5	-1'5	36	5th	67	10th, 13th	17	2'93	+0'50	0'76	1st	116'6	+10'4	31	+ 3
SCARBOROUGH	47'0	59'8	53'4	-1'5	41	5th, 29th	67	19th	10	1'21	-1'57	0'30	3rd	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	120'8	?	32	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	135'7	+30'4	36	+ 8
HILLINGTON	45'3	62'6	54'0	-2'0	33	18th	72	13th	14	1'85	-0'91	0'55	29th	119'5	-3'0	32	- 1
GELDESTON	47'1	63'7	55'4	-1'4	37	18th	72	16th	14	2'08	-0'54	0'66	29th	148'5	+ 0'9	40	+ 1
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	137'0	+1'9	37	+ 1
ROTHAMSTED	46'8	62'4	54'6	-1'0	31	18th	69	13th	15	2'31	-0'45	0'81	29th	127'7	?	34	?
BAWTRY	44'2	61'7	53'0	-2'4	35	30th	68	12th, 13th, 19th	15	1'40	-1'07	0'80	20th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	108'7	-1'5	29	0
STAMFORD (KETTON HALL).	45'6	63'6	54'6	-1'5	32	18th	71	13th	13	2'39	-0'62	0'79	20th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	118'4	+10'7	32	+ 3
CHEADLE	44'9	58'9	51'9	-2'0	37	18th	66	12th	17	3'35	+0'04	0'75	20th	—	—	—	—
CHURCHSTOKE	45'1	60'3	52'7	-1'3	38	8th, 28th	68	10th, 12th, 13th	20	3'15	+0'37	1'37	20th	114'2	-10'7	31	- 2
HEREFORD	46'6	62'3	54'5	-1'3	35	18th	69	11th	14	1'89	-0'90	0'56	27th	—	—	—	—
CIRENCESTER	44'3	60'8	52'6	-2'4	30	18th	67	19th	14	3'02	-0'17	1'30	29th	108'7	-11'6	29	- 3
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	131'8	-2'1	35	- 1
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	125'7	+13'4	34	+ 4
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	126'5	?	34	?
STRATHFIELD TURGIS-	46'5	63'6	55'1	-1'4	30	18th	71	19th	21	2'76	+0'21	0'89	29th	—	—	—	—
HASTINGS	50'9	63'4	57'2	-1'5	44	4th, 5th	71	14th, 15th	15	2'63	-0'11	0'80	29th	142'0	-16'7	38	- 4
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	141'9	?	38	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	137'6	?	37	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	136'9	?	37	?
SOUTHAMPTON	49'1	65'1	57'1	-0'8	38	18th	71	19th	13	3'10	+0'06	1'16	29th	141'0	-8'8	38	- 2
STOWELL	47'1	61'1	54'1	-1'4	35	18th	68	19th	17	2'70	?	1'01	29th	—	—	—	—
LAUDALE	44'5	56'5	50'5	-2'9	35	21st	63	6th	26	12'32	+5'54	1'66	29th	—	—	—	—
GLASGOW	45'6	55'8	50'7	-2'3	39	22nd	62	6th	20	4'17	+0'22	0'73	26th	101'8	+6'2	27	+ 2
GLENLEE	43'4	57'8	50'6	-2'1	30	22nd	66	6th	23	5'39	+0'24	1'08	1st	—	—	—	—
DOUGLAS	46'9	57'8	52'4	-1'7	36	5th, 22nd	62	10th	21	4'04	+0'31	1'20	1st	142'2	+6'4	38	+ 2
NEWTON REIGNY	45'1	57'9	51'5	-1'7	28	22nd	63	10th, 12th	21	5'33	+2'01	1'20	1st	119'0	-4'5	32	- 1
STONYHURST	47'1	57'4	52'3	-2'3	40	30th	64	12th	21	5'37	+0'37	0'85	1st	112'8	-7'1	30	- 2
BLACKPOOL	50'8	59'4	55'1	+0'1	40	22nd	64	12th, 26th	20	5'00	+1'25	1'03	30th	98'7	-19'9	26	- 6
MANCHESTER	45'8	59'2	52'5	-2'4	39	29th	65	13th	22	4'50	+0'54	0'58	20th	—	—	—	—
LLANDUDNO	50'2	59'8	55'0	-1'7	45	30th	65	12th	22	3'83	+0'75	0'75	11th	110'1	+1'4	29	0
LLANDOVERY	45'0	61'4	53'2	-2'5	31	18th	69	10th	27	5'08	+0'30	1'19	27th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	99'6	-42'9	27	-11
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	103'1	?	28	?
ARLINGTON	47'2	59'4	53'3	-2'2	36	18th	66	19th	21	5'61	+0'83	1'53	29th	—	—	—	—
CULLOMPTON	46'2	63'2	54'7	-1'2	30	18th, 19th	72	19th	13	2'64	-0'81	0'85	29th	115'3	-18'6	31	- 5
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	124'2	?	33	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	119'8	?	32	?
FALMOUTH	51'2	61'0	56'1	-1'2	42	18th	65	1st, 19th	14	2'73	-1'97	0'82	29th	137'4	-8'3	37	- 2
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	155'1	?	42	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	179'1	+3'7	48	+ 1
LONDONDERRY	46'0	—	—	—	36	22nd	—	—	25	3'81	+0'03	0'57	26th	—	—	—	—
EDENFEL (OMAGH)	45'7	56'5	51'1	-2'4	36	22nd	63	6th	23	4'84	+1'24	0'68	26th	—	—	—	—
MARKREE CASTLE	45'0	57'7	51'4	-2'0	33	22nd	64	6th	27	4'93	+1'68	0'68	12th	91'5	-2'1	24	- 1
BROOKEBOROUGH	44'4	57'7	51'1	-1'6	34	22nd	65	6th	25	5'18	+1'40	0'87	1st	—	—	—	—
ARMAGH	45'2	58'8	52'0	-1'7	35	22nd	65	6th	25	2'92	-0'13	0'69	1st	117'6	+14'3	31	+ 3
EDGEWORTHSTOWN	45'3	58'5	51'9	-1'7	35	17th	69	5th	22	4'56	+1'35	1'36	1st	—	—	—	—
ARLEY COTTAGE (CO. CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	102'6	?	27	?
DUBLIN	48'9	60'0	54'5	-1'0	41	17th	66	12th	19	2'63	+0'29	0'52	20th	133'5	+5'1	36	+ 2
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	100'9	-16'3	27	- 4
KILKENNY CASTLE	46'2	59'7	53'0	-2'5	31	17th	66	19th	20	2'41	-0'59	0'41	20th	—	—	—	—
WATERFORD	47'6	61'2	54'4	-2'1	34	17th	68	10th	18	2'89	-0'64	0'98	19th	—	—	—	—
VALENCIA (CAHIR-CIVREEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	108'3	-13'9	29	- 4
KILLARNEY	47'9	59'9	53'9	-2'0	34	22nd	66	12th	24	5'24	?	0'56	20th	—	—	—	—
FOYNES	49'0	59'1	54'1	-1'1	42	21st, 29th	67	12th	23	4'54	?	0'67	26th	—	—	—	—

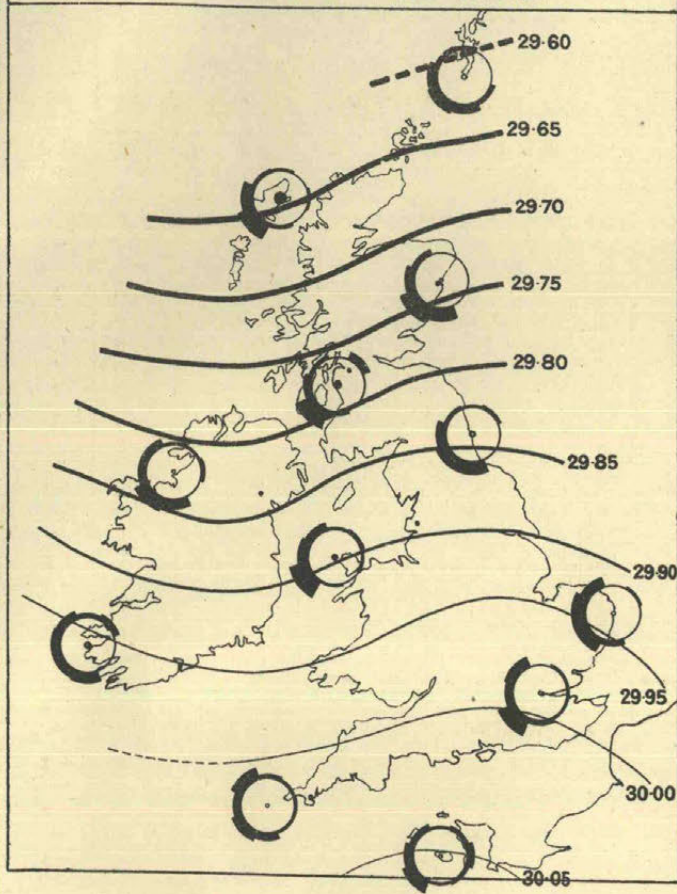
* For information see Table XVII.

MONTHLY WEATHER CHART, SEPTEMBER, 1892.

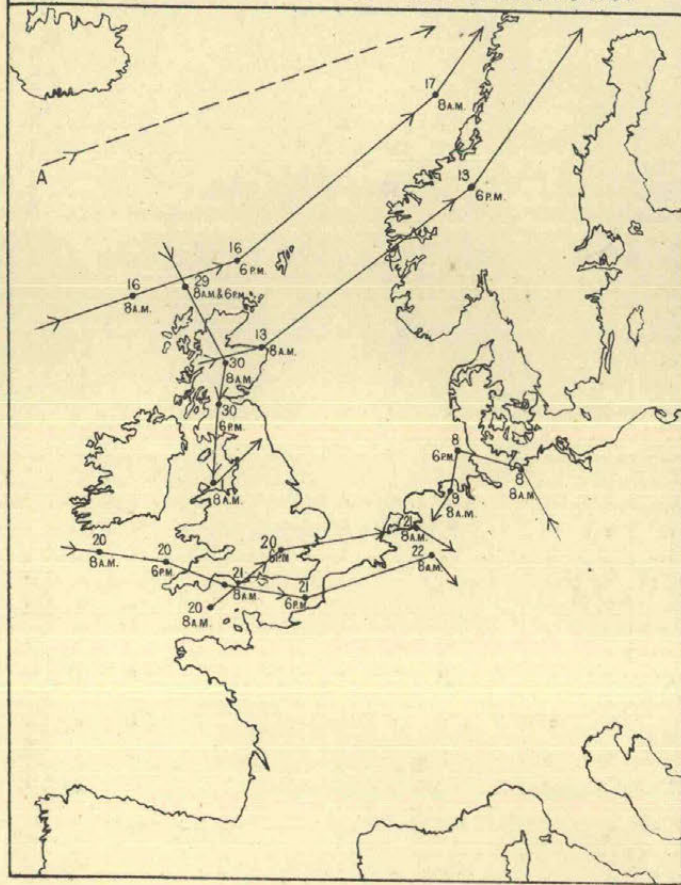
Monthly Summary.

Plate IX.

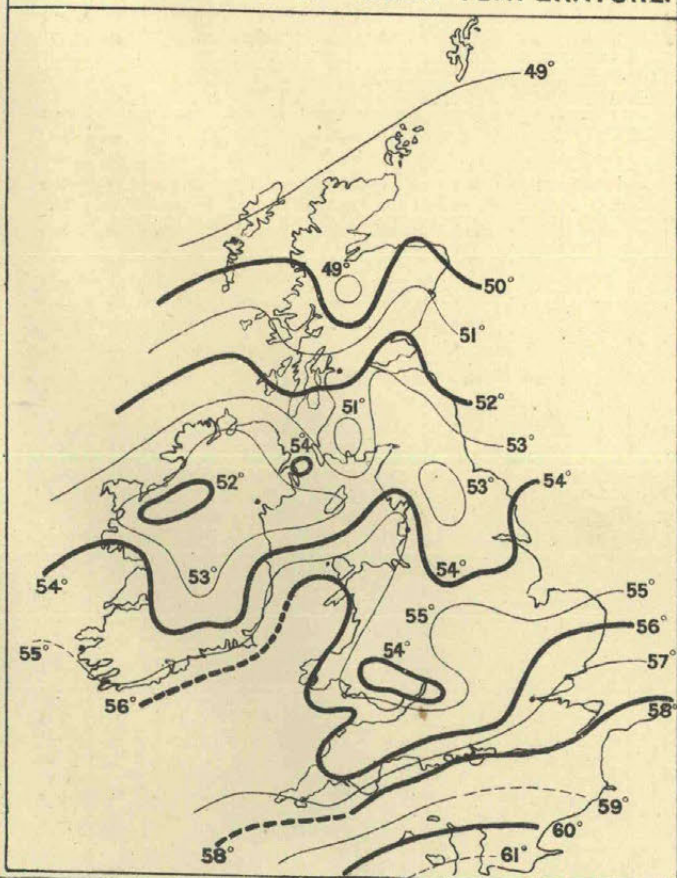
1. BAROMETER AND WIND.



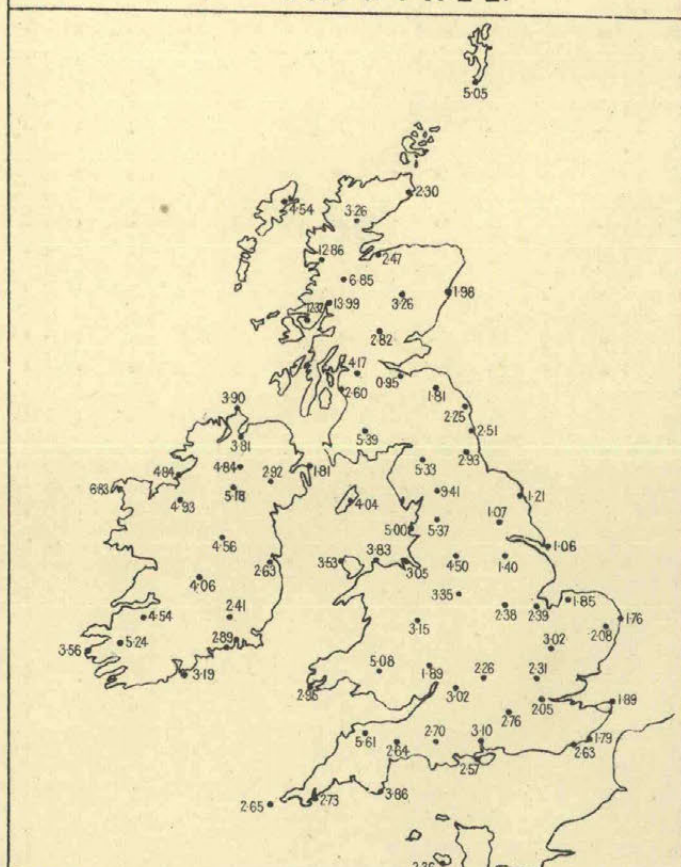
2. MOVEMENTS OF DEPRESSIONS.

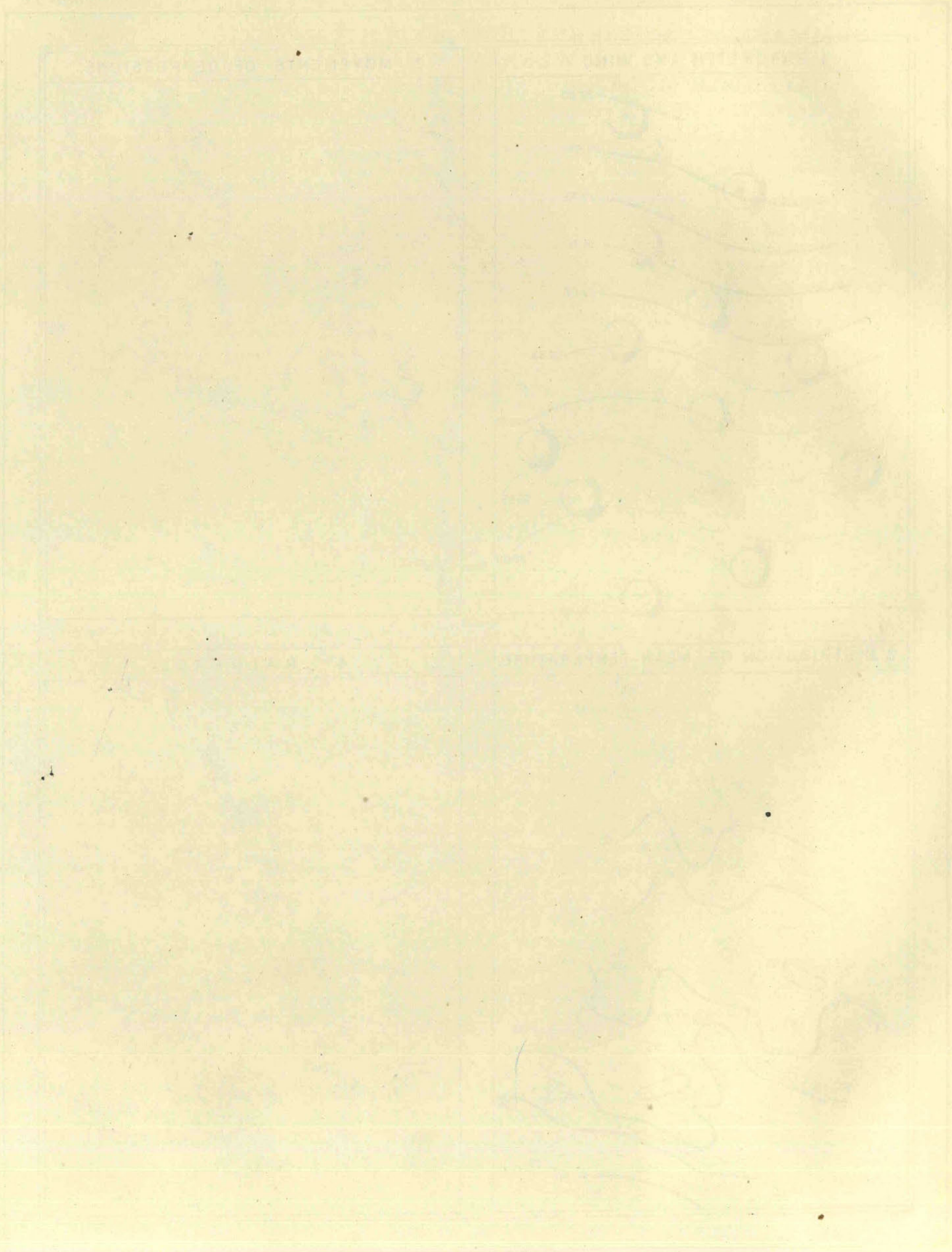


3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.





SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

OCTOBER 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of October was extremely changeable, with heavy falls of rain in nearly all parts of Great Britain. Pressure and temperature were below the average, the deficiency shown by the latter element being very large, especially in Ireland; the winds were rather variable, but mainly from the Northward and North-westward; and rainfall, although somewhat scanty in the west, was largely in excess of the normal elsewhere. Notwithstanding the generally unsettled character of the weather, the amount of bright sunshine was mostly in excess of the average, the only localities in which a deficit was shown being the east and south-east of England.

Pressure.—Mean for the month at 8 a.m. ranged from 29·8 ins. and upwards in the west of Ireland to about 29·65 ins. on the east coast of Great Britain, the general distribution being favourable for winds from the Northward or North-westward, rather than for Westerly and South-westerly breezes. The actual values were in all cases below the average,* the deficit being least (under 0·1 in.) on our extreme western and northern coasts and greatest (0·20 in. to 0·23 in.) in the east and south of England. *Highest* readings were recorded on the 18th and 19th, when the barometer rose to between 30·3 ins. and 30·4 ins. over the whole kingdom. *Lowest* readings were on the 5th or 6th, when the mercury fell below 29·3 ins. in most districts and below 29·0 ins. in the north of Scotland. *Range* was moderate.

Depressions were very numerous and moved in various directions, as will be seen from a glance at Map 2, Plate X. The most remarkable was observed between the 12th and 16th of the month, when a well-defined system, originally formed over the Bay of Biscay, moved in almost a spiral course over the north-west of France and the English Channel, and ultimately filled up in the neighbourhood of Paris.

Anticyclones.—The only anticyclone observed in our immediate neighbourhood spread over from the westward on the 11th and 12th, its central area subsequently remaining for a time off our extreme north and north-west coasts. Between the 16th and 19th the system spread southwards and eastwards again over the whole kingdom, but on the 20th it finally moved away over the Atlantic.

Winds varied a good deal in direction. On our northern coasts the Northerly and at our western stations the North-westerly current was most frequent. In the south and south-east of England, however, there was no marked predominance of wind from any one quarter. Gales were rare on our west and south-west coasts, but somewhat frequent in other localities; at Holyhead and Liverpool there were only 2 and at Valencia 3, but at Spurn Head and Hurst Castle there were as many as 8, at Mullaghmore 10, and at Aberdeen 11.

Temperature.—*Mean at Sea Level* ranged from 51° at Jersey and between 48° and 49° on the south and south-west coasts of England generally to 44° or less over central Ireland and the south of Scotland and to 43° or less in the north of Scotland. The general distribution was of a more wintry type than is usual in October, and the actual values were everywhere below the average,* the deficit amounting to between three degrees and four and a half degrees in most districts and exceeding five degrees in the south of Ireland. *Highest* readings occurred mostly on the 28th and 29th, but at only two or three of the English inland stations did the thermometer exceed 60°. *Lowest* readings were observed between the 24th and 26th, when hard frost prevailed at many of our western and northern stations; at Lairg, Markree Castle, and Brookeborough the sheltered thermometer fell to 19° and at Glenlee to 17°, while at Braemar it went as low as 16°. *Range* was as a rule moderate, but amounted to 40° at Llandoverly and Brookeborough and to 41° at Braemar. *Vapour Tension* was below 0·22 in. over central Ireland, and below 0·24 in. over the inland parts of Scotland and the north of England. On the south-west, south, and south-east coasts of England, however, it ranged from 0·28 in. to 0·30 in. *Relative Humidity* was lowest, 78 per cent., at Jersey, 81 per cent. at Scilly, and 82 per cent. at Mullaghmore; *highest* 96 at Spurn Head and Hawes Junction, and 94 at Stornoway, Loughborough, and Cambridge.

Rainfall amounted to less than the average,* at many of our western stations, but was considerably in excess of the normal elsewhere. At Nairn, Scarborough, Hillington, Yarmouth, and Geldeston, as well as at Llandudno, the total fall was more than twice as much as the average. The largest aggregates for the month were 8·9 ins. at Glencarron, 8·7 ins. at Hawes Junction, and 8·6 ins. at Yarmouth and Llandudno; the smallest were 1·2 ins. at Hereford, 2·1 ins. at Parsonstown, and 2·2 ins. at Edgeworthstown. A continuous and heavy downpour, resulting in serious floods, occurred over the north of England between the 13th and 15th, the aggregate amount for the three days being as much as 5·5 ins. at Aysgarth (near Bedale), 3·8 ins. at Leeds, 2·6 ins. at York, and 2·5 ins. at Bawtry. Heavy falls were also reported at many of our western stations between the 26th and 27th.

Bright Sunshine was rather deficient in the east and south-east of England, and also in the Channel Islands; elsewhere it was in excess of the average,* the departure from the normal being considerable in the west and north-west of England. The per-centage of the possible duration ranged from 46 at Falmouth, 43 at Llandoverly and Pembroke, and 42 at Valencia, to 22 at Edinburgh, 13 at Braemar, and 10 at Fort Augustus.

* The averages employed are—*Pressure* and *Temperature* for the 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; *Bright Sunshine* for the 10 years 1881–90.

TABLE XIX.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC

Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,

(The Stations are grouped in Districts, and then arranged in order of

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				Means of					Absolute Extremes.			
				At 8 a.m.	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°639	ins. -0°087	44°1	40°8	47°5	44°2	-1°5	31	25th	53	3rd, 4th
	Wick	29°645	-1°18	43°5	39°2	47°9	43°6	-2°5	25	25th	54	2nd, 3rd, 4th, 29th.
	Stornoway	29°705	-0°51	42°2	37°5	47°5	42°5	-3°3	27	25th	54	3rd
1. SCOTLAND, E.	Nairn	29°669	-1°10	41°8	36°5	48°2	42°4	-4°0	26	25th	57	29th
	Aberdeen	29°660	-1°13	43°3	39°6	48°4	44°0	-3°0	29	25th	57	28th
	Leith	29°674	-1°18	43°3	38°2	50°8	44°5	-3°8	26	26th, 27th	59	28th
2. ENGLAND, N.E.	Shields	29°651	-1°05	43°6	38°8	50°1	44°5	-3°5	27	26th	59	28th
	York	29°670	-1°22	42°5	38°3	51°1	44°7	-3°3	25	26th	60	29th
	Spurn Head	29°643	-1°24	46°0	42°0	50°2	46°1	-3°4	34	23rd	59	1st
3. ENGLAND, E.	Yarmouth	29°660	-1°24	46°7	41°8	50°6	46°2	-3°3	31	24th	59	29th
	Cambridge	29°701	-1°21	43°5	37°5	52°9	45°2	-3°6	26	26th	62	29th
4. MIDLAND COUNTIES	Loughborough	29°705	-1°09	41°3	36°8	52°4	44°6	-3°8	22	26th	61	28th
	Oxford	29°720	-1°04	42°1	38°0	52°3	45°2	-3°7	25	26th	59	29th
5. ENGLAND, S.	London	29°717	-1°06	44°1	39°1	52°9	46°0	-3°7	28	26th, 27th	61	4th
	North Foreland	29°685	-1°25	48°2	42°7	52°5	47°6	-3°1	33	24th	60	29th
	Dungeness	29°696	-1°20	47°6	41°4	54°4	47°9	-3°4	29	24th	60	10th, 29th
	Hurst Castle	29°725	-1°07	46°7	42°2	54°0	48°1	-3°4	32	19th	59	4th, 6th
6. SCOTLAND, W.	Ardrossan	29°691	-1°10	44°9	39°7	50°2	45°0	-3°7	28	25th, 26th	55	11th
7. ENGLAND, N.W.	Hawes Junction*	28°439	?	38°8	34°3	45°3	39°8	?	22	26th	55	27th
	Liverpool	29°705	-1°17	44°1	41°6	50°4	46°0	-3°3	30	26th, 27th	58	28th
	Holyhead	29°706	-1°06	46°6	43°8	51°0	47°4	-3°6	32	26th	57	4th, 6th
8. ENGLAND, S.W.	Pembroke	29°733	-1°55	47°1	43°7	51°9	47°8	-3°7	34	26th	58	1st
	Prawle Point	29°735	-1°06	46°8	42°1	53°7	47°9	-3°6	35	18th, 19th, 22nd.	59	6th
9. IRELAND, N.	Malin Head	29°709	-1°16	45°6	43°1	48°9	46°0	-1°6	32	26th	56	28th
	Donaghadee	29°720	-1°10	44°9	41°4	50°8	46°1	-2°5	21	26th	58	28th
	Mullaghmore	29°763	-0°82	46°0	42°4	50°5	46°5	-3°5	31	26th	58	27th, 28th
	Belmullet	29°805	-0°35	46°3	42°2	50°1	46°2	-4°7	33	26th	54	2nd, 3rd, 14th
10. IRELAND, S.	Parsonstown	29°783	-1°14	39°8	35°7	50°6	43°2	-4°7	24	26th	59	27th, 28th
	Valencia (Cahiriveen)	29°829	-0°67	45°2	41°0	52°2	46°6	-5°1	28	19th	58	15th, 28th
	Roche's Point	29°788	-1°04	45°2	41°2	52°0	46°6	-4°5	34	18th, 24th	56	6th, 15th
CHANNEL ISLANDS	Scilly (St. Mary's)	29°743	-1°07	50°6	45°7	53°5	49°6	-3°8	41	26th	59	5th
	Jersey	29°738	-1°07	50°5	45°9	54°7	50°3	-3°1	34	24th	62	29th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

SUMMARY OF OBSERVATIONS, OCTOBER 1892.

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REPORTING STATIONS in the BRITISH ISLANDS, during the Month of OCTOBER 1892.

Thunderstorms, and Gales are counted irrespective of the hours at which they occurred.

Latitude, beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
in.	%		ins.	ins.	in.	5th																
0.264	91	8.2	4.37	+0.10	0.87	5th	29	0	0	0	0	21	2	14	7	2	4	1	1	1	1	0
256	90	8.1	5.14	+2.12	0.70	27th	29	2	2	3	2	20	6	11	2	4	4	4	1	4	1	0
254	94	8.7	4.36	-0.68	1.00	5th	25	3	0	0	0	22	5	8	4	2	1	2	3	1	9	1
231	88	6.5	5.10	+2.72	0.88	27th	25	1	0	0	1	6	0	1	2	3	0	0	4	8	6	7
244	87	6.7	5.40	+2.53	0.68	7th, 22nd	25	4	4	1	0	10	11	3	4	1	0	4	4	6	9	0
233	83	7.2	3.36	+1.39	0.80	3rd	21	0	0	0	2	12	0	4	4	1	0	2	4	11	4	1
248	87	7.5	4.46	+1.98	0.80	2nd	24	2	0	2	2	14	6	3	4	1	1	2	10	2	8	0
246	90	5.5	4.76	+2.16	1.73	14th	23	0	0	0	12	12	1	7	0	3	1	5	0	8	6	1
297	96	7.4	4.32	+2.05	0.93	14th	23	0	1	0	2	15	8	5	3	1	1	5	6	4	6	0
281	89	6.9	8.63	+5.71	1.63	4th	27	1	2	1	2	10	5	4	3	1	1	4	6	7	5	0
265	94	6.7	4.35	+2.08	0.95	30th	23	0	1	0	4	17	0	7	0	1	1	6	9	2	5	0
243	94	7.1	3.20	+0.40	0.70	2nd	21	0	2	0	4	13	1	4	1	1	2	4	3	5	8	3
242	90	7.8	3.35	+0.79	0.90	27th	19	0	0	0	6	21	0	6	3	1	2	4	7	5	1	2
258	89	8.0	4.07	+1.50	1.27	30th	20	0	0	0	5	22	1	1	5	2	3	1	7	6	3	3
295	89	6.5	4.87	?	0.88	4th	20	1	3	0	5	15	4	5	2	2	3	3	4	9	3	0
295	90	7.1	5.19	+1.97	1.46	4th	21	0	0	2	0	11	8	4	4	0	2	2	5	6	8	0
284	89	5.9	4.74	+1.48	0.92	30th	21	0	0	0	0	5	6	4	7	3	0	3	3	4	7	0
244	83	6.4	3.33	-0.54	0.90	26th	14	0	0	0	0	9	0	6	7	0	1	2	2	2	5	6
224	96	7.2	8.69	?	2.35	14th	24	1	0	0	2	18	0	7	5	2	2	7	1	2	5	0
254	87	6.6	6.41	+2.95	0.91	3rd	23	0	2	0	5	11	2	5	4	1	4	4	2	5	6	0
276	88	6.8	4.26	-0.05	0.53	3rd	24	0	2	0	0	8	2	6	5	3	1	2	1	2	10	1
292	91	6.3	2.76	-1.20	0.60	26th	20	0	0	0	0	6	4	5	8	3	0	1	2	3	9	0
291	91	5.4	2.97	-0.63	0.50	24th	17	0	1	1	0	6	2	6	4	2	0	2	0	9	8	0
267	87	8.3	3.08	?	0.57	4th	26	0	5	1	0	18	6	10	5	1	1	4	1	1	8	0
265	90	5.8	3.06	-0.08	0.52	27th	24	0	0	0	3	7	4	4	9	1	1	2	2	6	6	0
252	82	6.5	3.68	-1.07	0.48	6th	24	1	5	0	2	4	10	6	3	3	1	3	2	1	12	0
261	84	7.9	4.03	?	0.46	4th	27	0	0	0	1	17	1	7	6	3	1	1	0	3	10	0
217	89	6.1	2.05	-1.11	0.35	14th	16	0	1	0	8	13	0	0	0	0	3	0	6	0	6	16
262	88	6.6	3.49	-2.39	1.71	26th	19	0	0	1	1	11	3	5	9	4	2	1	0	1	6	3
262	88	4.1	2.72	-1.37	1.45	26th	10	0	0	0	0	3	1	8	1	2	1	2	0	2	15	0
298	81	6.6	3.18	-0.52	0.94	24th	20	0	0	0	0	3	3	6	5	3	1	2	1	3	10	0
286	78	7.0	8.17	+3.72	1.48	30th	26	0	2	3	2	11	2	4	3	4	3	3	1	5	7	1

Barometer at this station is not reduced for altitude.

TABLE XX.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of OCTOBER 1892.

NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Per-centages of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	30	30	30	30	*	*	30	*	*	ins.	ins.	ins.	*	74°0	-12°4	24	-4
LAIRG	35°3	46°7	41°0	-4°6	19	25th	58	3rd	29	4°76	+0°69	0°62	27th	—	—	—	—
GLENCARRON	36°1	45°8	41°0	-4°1	21	25th	58	29th	27	8°90	+0°01	0°87	5th	—	—	—	—
FORT AUGUSTUS	37°3	47°4	42°4	-3°8	20	25th	56	29th	24	4°87	+0°77	1°08	5th	31°4	?	10	?
FORT WILLIAM	38°7	47°9	43°3	-4°2	23	25th	55	14th	16	5°26	-2°61	0°82	3rd	74°5	?	24	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	94°8	+3°6	30	+1
BRAEMAR	34°8	44°4	39°6	-3°8	16	25th	57	28th	24	5°51	+1°55	1°39	5th	39°5	?	13	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	68°5	?	22	?
OCHTERTYRE	36°1	51°2	43°7	-2°4	21	24th	58	3rd, 4th	14	4°52	+0°27	1°35	27th	—	—	—	—
MARCHMONT	37°2	47°8	42°5	-3°1	26	26th	55	6th	25	5°29	+1°97	0°68	3rd	77°8	?	25	?
ALNWICK CASTLE	39°3	48°1	43°7	-3°5	26	25th	55	7th	28	4°98	+2°12	1°02	1st	—	—	—	—
DURHAM	37°3	49°4	43°4	-3°8	24	26th	60	28th	25	5°57	+2°66	1°80	14th	71°8	-11°6	23	-3
SCARBOROUGH	40°8	49°5	45°2	-3°6	29	23rd	58	29th	25	6°81	+3°74	1°54	14th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	77°0	?	24	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	100°1	+19°6	31	+6
HILLINGTON	39°4	50°9	45°2	-3°3	28	26th	60	29th	27	6°63	+4°02	0°86	21st	80°3	-14°1	25	-4
GELDESTON	40°3	52°1	46°2	-3°3	30	26th	60	29th	28	7°39	+4°77	1°30	4th	89°4	-21°9	28	-6
CAMBRIDGE	—	—	—	—	—	—	—	—	—	—	—	—	—	85°5	-20°1	26	-7
ROTHAMSTED	38°0	51°0	44°5	-3°4	28	26th	60	29th	22	3°80	+0°87	0°89	27th	99°1	?	31	?
BAWTRY	36°8	51°7	44°3	-3°4	23	25th	60	28th, 29th	22	4°63	+1°88	1°04	14th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	101°5	+18°6	32	+6
STAMFORD (KETTON HALL).	37°7	52°5	45°1	-3°2	24	26th	60	29th	22	4°03	+1°09	0°76	13th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	101°7	+18°6	32	+6
CHEADLE	37°4	49°2	43°3	-3°4	28	26th	56	4th, 28th, 29th	21	3°97	+0°42	0°64	3rd	—	—	—	—
CHURCHSTOKE	35°8	49°3	42°6	-4°6	20	26th	56	4th, 27th	21	2°25	-1°18	0°31	14th	106°4	+17°6	33	+5
HEREFORD	37°3	51°3	44°3	-4°1	23	26th	58	5th	16	1°19	-1°59	0°31	13th	—	—	—	—
CIRENCESTER	36°0	51°1	43°6	-3°9	24	26th	57	27th, 28th, 29th	18	2°98	-0°05	0°93	26th	124°3	+26°7	38	+8
OXFORD	—	—	—	—	—	—	—	—	—	—	—	—	—	110°9	+9°4	34	+3
LONDON	—	—	—	—	—	—	—	—	—	—	—	—	—	75°6	-1°6	23	-1
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	85°8	?	26	?
STRATHFIELD TURGISS	36°7	52°4	44°6	-4°2	24	26th	59	29th	22	4°32	+1°67	1°24	30th	—	—	—	—
HASTINGS	41°5	53°1	47°3	-4°0	31	24th	59	4th, 11th	19	6°28	+2°68	1°60	4th	122°0	-0°3	37	-1
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	114°8	?	35	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	108°3	?	33	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	112°5	?	35	?
SOUTHAMPTON	40°1	54°7	47°4	-3°1	28	24th	60	3rd, 29th	18	4°48	+1°25	1°26	27th	124°2	+11°9	38	+4
STOWELL	38°3	51°1	44°7	-3°8	27	19th	57	6th, 27th, 28th, 29th.	21	4°22	?	0°80	27th	—	—	—	—
LAUDALE	37°2	49°5	43°4	-3°8	25	25th	58	28th	21	4°22	-3°61	0°82	8th	—	—	—	—
GLASGOW	38°8	48°0	43°4	-3°5	24	25th	55	28th	19	4°13	+0°35	1°05	27th	86°8	+23°4	27	+7
GLENLEE	35°9	49°2	42°6	-3°6	17	26th	55	6th, 28th	17	6°11	+0°58	2°17	27th	—	—	—	—
DOUGLAS	38°8	49°9	44°4	-4°2	20	24th, 25th	56	4th, 6th	25	7°10	+2°95	1°10	14th	112°1	+12°3	35	+4
NEWTON REIGNY	35°7	48°1	41°9	-4°4	20	25th, 26th	56	27th	23	5°01	+1°42	0°64	1st	82°4	+2°5	26	+1
STONKHURST	38°6	48°8	43°7	-4°0	25	25th	57	28th	20	5°44	+0°33	1°05	8th	111°5	+31°6	35	+10
BLACKPOOL	41°4	51°1	46°3	-2°5	28	25th, 26th	57	28th	20	5°02	+0°91	0°60	26th	119°5	+37°2	37	+11
MANCHESTER	39°1	50°5	44°8	-3°2	27	26th	58	28th	25	5°35	+1°27	0°96	9th	—	—	—	—
LLANDUDNO	42°1	50°6	46°4	-4°1	29	26th	59	28th	25	8°56	+4°80	1°59	3rd	77°6	+3°1	24	+1
LLANDOVERY	35°1	52°9	44°0	-5°0	20	19th	60	28th	25	4°36	-1°07	0°72	7th	—	—	—	—
PEMBROKE	—	—	—	—	—	—	—	—	—	—	—	—	—	138°1	+38°8	43	+12
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	138°2	?	43	?
ARLINGTON	38°7	50°4	44°6	-4°7	29	19th	58	28th	26	6°17	+0°37	0°76	1st	—	—	—	—
CULLOMPTON	37°7	52°8	45°3	-4°1	26	24th	59	29th	20	4°57	+0°68	0°66	27th	108°2	+15°6	33	+5
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	124°6	?	38	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	135°1	?	41	?
FALMOUTH	42°4	52°2	47°3	-4°5	36	26th	57	27th, 28th	20	5°04	-0°35	0°88	24th	150°5	+35°2	46	+11
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	98°2	?	30	?
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	112°3	-12°6	34	-4
LONDONDERRY	39°0	50°8	44°9	-3°3	25	26th	58	*	29	5°13	+0°93	0°75	27th	—	—	—	—
EDENFEL (OMAGH)	37°1	49°2	43°2	-3°5	21	25th	56	28th	24	3°72	+0°05	0°50	26th, 27th	—	—	—	—
MARKREE CASTLE	36°6	50°4	43°5	-4°2	19	26th	58	27th, 28th	25	4°42	+0°54	0°69	6th	98°8	+14°4	31	+5
BROOKEBOROUGH	35°2	50°5	42°9	-3°7	19	26th	59	27th, 28th	18	2°79	-1°35	0°78	26th	—	—	—	—
AEMAGH	36°3	50°5	43°4	-3°9	22	26th	59	28th	20	2°34	-0°65	0°70	14th	94°4	+16°6	29	+5
EDGEWORTHSTOWN	35°8	49°9	42°9	-4°3	23	26th	59	28th	19	2°23	-0°82	0°55	14th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	28th	—	—	—	—	—	115°0	?	36	?
DUBLIN	39°5	50°0	44°8	-4°7	28	26th	58	27th, 28th	17	2°54	-0°49	0°78	14th	130°3	+30°1	40	+9
PARSONSTOWN	—	—	—	—	—	—	—	*	—	—	—	—	*	105°9	+14°5	33	+5
KILKENNY CASTLE	37°1	50°5	43°8	-5°0	24	26th	57	15th, 28th	16	2°49	-0°62	0°61	14th	—	—	—	—
WATERFORD	38°2	52°5	45°4	-5°4	26	24th	58	3rd	9	2°36	-1°63	0°89	26th	—	—	—	—
VALENCIA (CAHIR-CIVEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	137°2	+38°5	42	+12
KILLARNEY	37°4	51°5	44°5	-5°6	24	19th	58	15th, 27th, 28th	20	5°13	?	0°82	26th	—	—	—	—
FOYNES	40°0	51°3	45°7	-2°7	27	25th	59	27th, 28th	20	2°35	?	0°69	27th	—	—	—	—

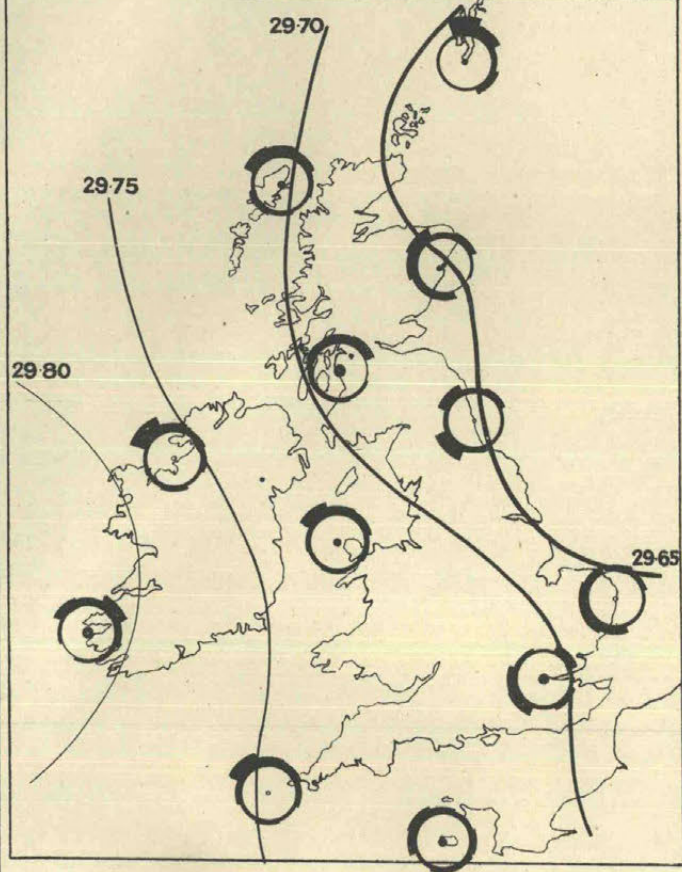
* For information see Table XIX.

MONTHLY WEATHER CHART OCTOBER, 1892.

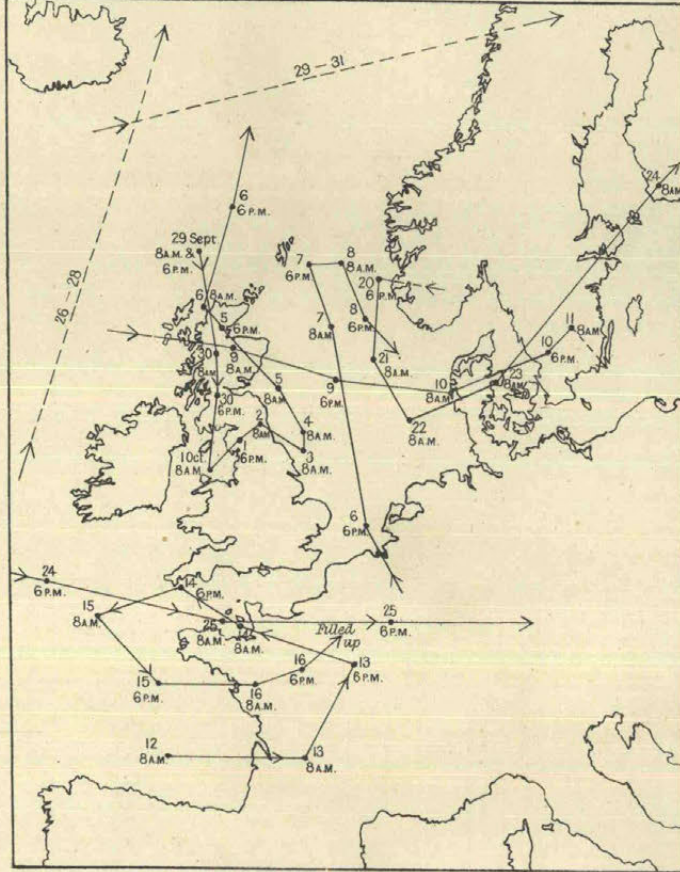
Monthly Summary.

Plate X.

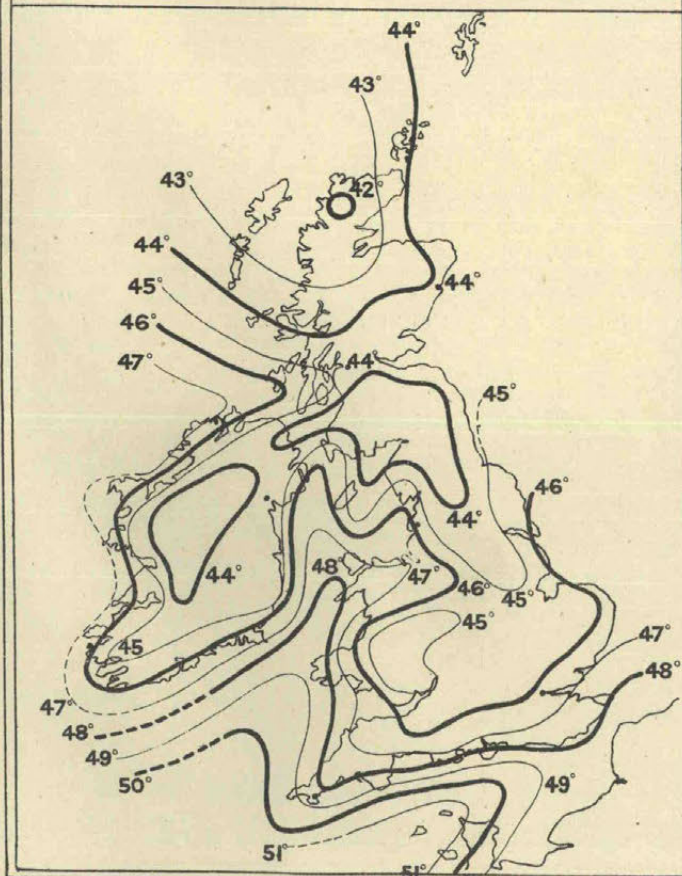
1. BAROMETER AND WIND.



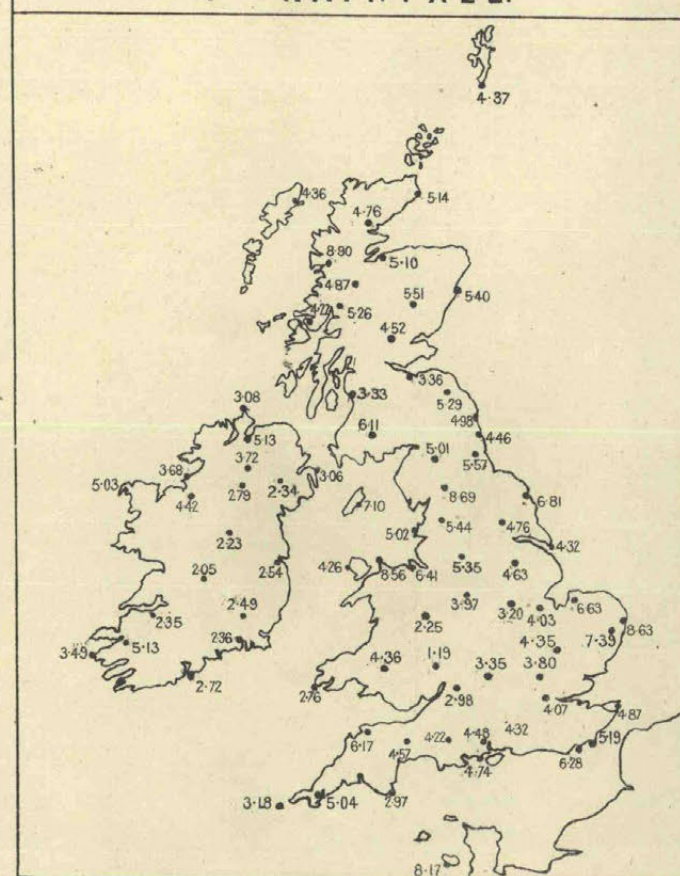
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



SUMMARY of the OBSERVATIONS made at the STATIONS included in the DAILY and WEEKLY WEATHER REPORTS, for the CALENDAR MONTH,

NOVEMBER 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & CO., 12, HANOVER ST., EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & CO., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of November was mostly dull and gloomy, with a good deal of mist and fog, especially over England; at the close of the month snow fell in the north of Scotland. Pressure and temperature were in excess of the average; the winds were chiefly from the Southward; rainfall was less than the normal in all localities excepting Ireland and the west and north of Scotland; the amount of bright sunshine was generally deficient, although a slight excess was shown at some of our western stations.

Pressure.—*Mean for the month at 8 a.m.* ranged from a little above 30·05 ins. on the south-east of England and the central parts of the Channel to about 29·75 ins. in the Hebrides, the gradient being favourable for winds from a more Southerly point than usual. The actual values were everywhere in excess of the average,* the difference being very slight in the extreme west and north-west, but large (0·14 in. to 0·16 in.) in the eastern and south-eastern parts of Great Britain. *Highest* readings were recorded mostly on the 21st and 22nd, when the barometer rose to between 30·3 ins. and 30·5 ins. in all but the south-western parts of the kingdom. In the latter regions equally high readings were observed on the 27th. *Lowest* readings were registered on the 14th, when the barometer fell to 29·1 ins. or less on our extreme western and northern coasts, and to 29·5 ins. or less in all but the eastern and southern parts of England, where it did not go below 29·7 ins. *Range* was moderate in the west and north, slight elsewhere.

Depressions.—The tracks of the Atlantic depressions lay, as a rule, well to the north-westward or northward of our Islands, the only system of importance which approached our coasts being that of the 14–15. In one or two cases shallow “V-shaped” secondary systems advanced directly over us, but these usually dispersed before reaching our eastern or south-eastern districts.

Anticyclones were rarely observed in our immediate neighbourhood, their usual position being either to the eastward or the southward of the United Kingdom. On the 7th, however, a small system passed north-eastwards across England, while from the 21st to the 25th the greater part of Western Europe was covered by a large high-pressure area which spread over from the northward and north-eastward, but subsequently moved away to the southward.

Winds were mostly from some southerly point, with a large proportion of calms at many of the English stations. Gales were rare excepting on our extreme western and northern coasts, where the number was fully equal to the average. At Stornoway there were 8, at Mullaghmore and Roches Point 9, and at Aberdeen as many as 10.

Temperature.—*Mean at sea level* ranged from about 51° in the Scilly and Channel Islands, to a little below 45° over the inland part of the northern half of Ireland, and to 43° or less over the east and south of Scotland and some portions of the northern English counties. The general distribution showed no marked divergence from the normal, but the actual values were in nearly all cases above the average,* the excess being greatest (2° to 3°) over the west and north of Scotland and the south of England, and least (0°·5 or less) over the south of Scotland, the north of England, and the south-east of Ireland. *Highest* readings were recorded on various dates; over Ireland they occurred mainly on the 4th, but in England they were observed on the 14th or 15th, while in Scotland the warmest weather was experienced either on the 4th, the 11th, or the 28th. *Lowest* readings were observed at still more irregular times in the different districts, sharp frost being, however, experienced in most places. At Durham, Bawtry, Loughborough, and Llandovery, the sheltered thermometer fell to 24°, and at Nairn and Braemar to 21°. *Range* was moderate, under 30° in many places, but amounting to 33° at Bawtry and Oxford, to 35° at Loughborough, 36° at Llandovery, and to 39° at Nairn. *Vapour Tension* ranged from 0·24 in. or less over the east of Scotland, and many of the northern and central parts of England to 0·32 in. or more on our south-west coasts. *Relative Humidity* amounted to between 90 and 95 per cent. in most places, and was as high as 97 per cent. at Spurn Head and Donaghadee. In the east of Scotland and the north-east of England, however, the values were as a rule below 90 per cent.

Rainfall was in excess of the average* in Ireland and the west and north of Scotland, but less than the normal in almost all other localities. At several of our eastern and central stations the fall amounted to less than half the average. The largest aggregates for the month were 9·4 ins. at Fort William and Killarney, 8·9 ins. at Valencia, and 8·6 ins. at Glencarron; the smallest were 0·6 in. at Spurn Head, 0·9 in. at Stamford, and 1 in. at Leith and Loughborough. The number of rainy days ranged from 11 in London and 12 at Shields, Geldeston, Cambridge, and the North Foreland to 25 or more at several of the Irish stations, and to as many as 30 at Valencia and Killarney.

Bright Sunshine was rather deficient at all but a few of our western stations, where the amount was slightly in excess of the average.* The per-centage of the possible duration was below 20 in nearly all the more northern, eastern, and central districts, the lowest values of all being 6 per cent. at Fort Augustus and Glasgow, 10 at Fort William, Blackpool, and in London. The highest per-centages were 32 at Dublin and 26 at Llandudno.

* The averages employed are—*Pressure* and *Temperature* for the 20 years, 1871–90; *Rainfall* for the 25 years, 1866–90; and *Bright Sunshine* for the 10 years, 1881–90.

TABLE XXI.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.								
				At 8 a.m.	Means of				Absolute Extremes.			
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°809	+°126	44°2	40°5	47°2	43°9	+2°2	30	30th	52	27th, 28th
	Wick	29°808	+°086	44°2	40°0	47°2	43°6	+2°5	31	30th	54	27th
	Stornoway	29°747	+°048	44°1	38°5	48°7	43°6	+2°0	27	23rd	53	8th, 27th, 28th
1. SCOTLAND, E.	Nairn	29°807	+°069	41°7	35°4	49°3	42°4	+1°9	21	24th	60	28th
	Aberdeen	29°892	+°134	41°7	37°4	46°8	42°1	+0°7	29	2nd, 17th	53	28th
	Leith	29°903	+°114	41°5	36°0	48°5	42°3	-0°3	28	19th	56	4th, 5th, 11th, 14th, 15th.
2. ENGLAND, N.E.	Shields	29°951	+°138	42°6	37°9	48°4	43°2	+0°6	28	19th	55	4th, 5th, 14th
	York	30°003	+°157	41°2	37°6	48°3	43°0	+1°0	25	2nd	55	3rd, 4th, 5th, 14th.
	Spurn Head	30°001	+°159	44°1	41°0	47°7	44°4	+0°9	32	19th	53	14th, 15th
3. ENGLAND, E.	Yarmouth	30°029	+°164	45°3	41°5	48°1	44°8	+1°5	34	9th	55	15th
	Cambridge	30°056	+°169	42°6	37°7	49°0	43°4	+1°2	30	19th	60	14th
4. MIDLAND COUNTIES	Loughborough	30°037	+°160	40°7	37°0	49°6	43°3	+1°0	24	2nd	59	10th, 14th
	Oxford	30°050	+°154	41°4	37°8	49°0	43°4	+0°5	27	2nd, 3rd	60	14th
5. ENGLAND, S.	London	30°055	+°157	44°2	40°1	50°8	45°5	+1°8	32	2nd, 8th, 9th	62	14th
	North Foreland	30°039	+°159	47°1	43°0	50°2	46°6	+2°3	35	24th	57	15th
	Dungeness	30°048	+°155	47°4	43°8	51°4	47°6	+2°6	34	2nd	57	3rd, 6th
	Hurst Castle	30°053	+°151	46°7	43°1	52°2	47°7	+2°1	35	2nd	57	4th, 14th
6. SCOTLAND, W.	Ardrossan	29°889	+°098	44°2	39°8	48°2	44°0	+0°5	31	25th, 26th	53	4th, 14th
7. ENGLAND, N.W.	Hawes Junction*	28°719	?	39°2	34°8	44°0	39°4	?	23	19th	53	14th
	Liverpool	29°986	+°135	43°3	40°7	48°7	44°7	+1°0	30	1st	57	14th
	Holyhead	29°940	+°105	46°5	43°7	51°2	47°5	+1°2	37	23rd	57	14th
8. ENGLAND, S.W.	Pembroke	29°966	+°102	49°1	46°4	52°1	49°3	+2°3	40	17th, 18th	56	14th
	Prawle Point	30°027	+°113	45°2	44°7	52°5	48°6	+2°1	36	1st	56	3rd, 7th, 27th
9. IRELAND, N.	Malin Head	29°801	+°026	44°9	42°1	48°9	45°5	+2°3	36	20th, 30th	54	4th
	Donaghadee	29°903	+°093	44°8	40°6	49°7	45°2	+1°4	28	1st	55	4th, 5th
	Mullaghmore	29°820	+°040	46°7	43°2	51°4	47°3	+1°9	36	20th	57	14th
	Belmullet	29°796	+°016	47°3	43°1	50°9	47°0	+0°4	33	13th, 14th	54	4th
10. IRELAND, S.	Parsonstown	29°885	+°038	44°0	38°5	51°4	45°0	+1°9	28	1st	58	4th
	Valencia (Cahiriveen)	29°876	+°011	48°7	43°3	53°7	48°5	+0°8	33	1st, 13th, 19th,	57	4th, 23rd
	Roche's Point	29°916	+°051	48°8	44°1	52°7	48°4	+1°8	35	19th	55	2nd, 3rd, 4th, 5th.
CHANNEL ISLANDS	Scilly (St. Mary's)	29°965	+°068	51°5	46°8	54°5	50°7	+1°1	41	1st, 2nd, 20th	58	5th
	Jersey	30°062	+°134	50°8	46°4	54°3	50°4	+2°4	38	2nd, 8th, 18th, 28th.	59	3rd, 4th

* Hawes Junction is 1,135 feet above Mean Sea Level, and the

REPORTING STATIONS in the BRITISH ISLANDS during the Month of NOVEMBER 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.

beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER, No. of Days of							WIND, No. of Observations of								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
in. 0.263	% 91	8.5	ins. 4.41	+0.25	ins. 0.64	13th	27	2	1	0	0	22	5	1	2	1	8	6	3	4	1	4
*250	89	7.3	3.02	+0.09	0.60	14th	19	2	1	0	1	14	7	2	0	1	4	11	5	3	3	1
*278	96	8.2	5.77	+1.07	0.85	3rd	22	2	1	0	0	18	8	0	1	0	5	2	12	3	3	4
*230	89	6.0	1.08	-1.21	0.24	28th	15	1	0	0	3	8	0	0	0	2	4	3	7	4	1	9
*230	88	7.3	2.61	-0.53	0.77	14th	16	1	0	0	0	12	10	0	0	0	6	9	6	5	4	0
*226	87	6.9	1.00	-1.20	0.20	25th, 26th	15	0	0	0	1	11	0	0	0	3	6	9	8	3	0	1
*242	89	8.2	1.25	-1.36	0.54	6th	12	0	0	0	2	18	1	0	0	1	6	8	8	4	3	0
*244	95	7.4	1.56	-0.63	0.45	13th	15	0	0	0	7	18	0	3	0	6	5	8	2	3	1	2
*280	97	8.8	0.59	-1.81	0.12	2nd, 26th	16	0	0	0	0	20	1	2	1	3	6	8	4	4	2	0
*274	91	6.9	1.68	-1.38	0.40	15th	16	0	0	0	1	7	0	2	1	3	4	6	5	6	2	1
*262	96	9.1	1.58	-0.43	0.34	2nd	12	0	0	0	0	24	0	4	1	4	3	5	6	3	0	4
*239	94	7.9	1.02	-1.22	0.24	4th	13	0	0	0	2	17	1	0	1	2	8	5	3	4	2	5
*246	95	8.1	1.87	-0.44	0.39	19th	11	0	0	0	5	22	0	3	1	2	4	5	6	3	2	4
*267	92	9.1	2.42	+0.19	0.67	15th	17	0	0	0	2	26	0	1	1	2	6	5	6	2	2	5
*300	93	7.8	2.01	?	0.77	16th	12	0	0	0	2	17	0	2	1	5	3	7	4	5	3	0
*310	95	7.2	2.31	-1.17	0.64	16th	17	0	0	0	1	7	2	7	2	3	2	6	4	4	2	0
*302	95	6.6	2.21	-0.80	0.71	15th	17	0	0	0	1	5	3	2	4	7	1	4	4	5	2	1
*261	90	7.3	4.00	+0.12	0.84	14th	19	0	1	0	3	16	2	0	10	5	1	6	4	2	1	1
*230	96	7.5	3.91	?	0.60	13th	18	1	0	0	1	20	0	2	3	7	4	6	4	3	1	0
*248	83	8.5	1.92	-1.04	0.34	26th	20	0	0	0	1	18	2	0	1	2	17	2	4	3	1	0
*288	92	7.3	3.49	-0.39	0.71	12th	22	0	0	0	0	13	1	0	1	2	4	9	5	1	3	5
*326	93	7.8	3.46	-0.58	0.87	18th	23	0	0	0	0	11	3	2	1	5	5	6	4	3	4	0
*320	96	6.7	2.85	-0.35	0.54	15th	20	0	0	0	0	12	2	3	2	3	5	4	4	7	2	0
*265	90	7.2	3.79	?	0.75	25th	22	0	2	1	4	17	4	1	0	0	7	13	4	1	4	0
*288	97	6.6	3.09	-0.11	0.55	14th	22	0	0	0	0	8	4	0	1	0	4	6	7	11	1	0
*272	86	6.0	4.37	-0.11	0.52	7th	21	0	4	1	4	3	9	0	1	5	4	9	5	2	4	0
*289	90	7.6	8.11	?	1.20	12th	27	0	0	0	3	19	2	0	0	3	7	6	8	5	1	0
*259	90	7.4	3.26	+0.43	0.46	17th	20	0	0	0	5	19	0	0	0	0	12	3	3	0	0	12
*314	92	7.9	8.90	+3.48	1.02	13th	30	0	0	0	0	17	5	0	2	3	7	7	6	2	0	3
*325	94	7.6	7.85	+3.23	1.80	20th	25	0	0	0	0	17	9	3	0	1	4	6	7	4	5	0
*337	89	7.5	2.66	-1.06	0.49	12th	22	0	0	0	0	12	4	3	0	1	4	10	4	5	3	0
*308	83	7.2	2.72	-1.58	0.68	15th	21	0	0	0	2	15	0	0	0	6	6	4	4	4	5	1

barometer at this station is not reduced for altitude.

TABLE XXII.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of NOVEMBER 1892.

STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	*	°	*	°	*	*	ins.	ins.	ins.	*	48'6	+ 7'2	21	+ 3
LAIRG	35'7	47'7	41'7	+ 2'1	25	23rd	57	11th	20	2'44	-1'38	0'56	28th	—	—	—	—
GLENCARRON	37'2	48'2	42'7	+ 2'7	28	23rd	56	4th, 11th	19	8'63	-1'09	3'23	28th	—	—	—	—
FORT AUGUSTUS	38'0	48'7	43'4	+ 2'6	27	23rd, 24th	56	4th, 11th	20	5'03	+0'75	1'83	28th	14'0	?	6	?
FORT WILLIAM	40'3	49'1	44'7	+ 3'1	29	24th	55	4th, 14th	21	9'43	+1'66	2'27	28th	24'6	?	10	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	37'7	-17'6	16	- 8
BRAEMAR	34'5	44'9	39'7	+ 1'9	21	19th	52	28th	18	2'60	-1'29	1'00	14th	28'5	?	12	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	41'3	?	17	?
OCHTERTYRE	35'8	47'0	41'4	+ 1'2	27	1st	57	4th	19	3'86	-0'49	1'09	14th	—	—	—	—
MARCHMONT	34'3	45'3	39'8	- 0'4	27	19th, 20th	55	4th	20	1'61	-1'96	0'28	13th	44'5	?	19	?
ALNWICK CASTLE	37'1	47'0	42'1	+ 0'3	25	17th, 18th	57	27th	16	1'60	-1'73	0'50	6th	—	—	—	—
DURHAM	36'7	47'3	42'0	+ 1'0	24	2nd, 18th	54	5th, 14th	21	1'23	-1'73	0'36	6th	37'6	-17'6	15	- 8
SCARBOROUGH	38'8	47'7	43'2	+ 0'1	29	18th	54	15th	19	1'67	-1'35	0'35	13th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	36'7	?	15	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	34'1	- 8'0	14	- 3
HILLINGTON	38'5	48'3	43'4	+ 1'5	32	19th	58	14th	13	1'79	-0'92	0'37	26th	38'9	-14'2	15	- 6
GELDESTON	40'4	49'5	45'0	+ 1'8	31	30th	58	15th	12	1'52	-1'20	0'42	15th	28'3	-36'3	11	-14
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	37'7	-26'4	15	-10
ROTHAMSTED	37'8	48'6	43'2	+ 1'4	27	2nd	59	14th	17	1'96	-0'75	0'37	15th	36'8	?	14	?
BAWTRY	36'7	48'3	42'5	+ 0'6	24	1st	57	14th	16	1'11	-1'04	0'28	13th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	41'8	- 8'4	16	- 4
STAMFORD (KETTON HALL).	37'7	49'2	43'5	+ 1'4	28	2nd	57	4th, 14th	13	0'93	-1'73	0'20	2nd	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	49'9	- 1'0	20	0
CHREADE	38'4	47'2	42'8	+ 1'8	30	17th	55	14th	17	2'17	-1'02	0'48	13th	—	—	—	—
CHURCHSTOKE	37'3	48'5	42'9	+ 1'2	27	1st, 2nd	57	14th	16	1'80	-1'72	0'35	4th	48'3	- 2'3	19	- 1
HEREFORD	36'6	48'8	42'7	- 0'4	25	2nd	56	3rd, 14th	16	1'99	-0'57	0'38	19th	—	—	—	—
CIRENCESTER	36'9	48'9	42'9	+ 1'4	25	8th	57	14th	18	2'55	-0'48	0'72	4th	50'8	- 2'9	20	- 1
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	44'0	-11'4	17	- 5
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	25'6	-12'1	10	- 4
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	32'4	?	12	?
STRATHFIELD TURF	38'1	49'5	43'8	+ 1'2	28	8th	59	14th	22	2'13	-0'42	0'62	15th	—	—	—	—
HASTINGS	42'5	51'3	46'9	+ 1'8	34	30th	57	15th	17	3'22	-0'08	0'95	16th	46'7	-20'7	19	- 7
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	48'8	?	19	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	50'1	?	19	?
WESTBOURNE (SUSSEX).	—	—	—	—	—	—	—	—	—	—	—	—	—	49'2	?	19	?
SOUTHAMPTON	41'2	52'3	46'8	+ 2'3	30	8th	60	14th	16	2'72	-0'24	0'76	15th	57'3	+ 0'5	22	0
STOWELL	39'0	49'9	44'5	+ 1'3	29	2nd, 7th	57	14th	22	2'79	?	0'45	4th	—	—	—	—
LAUDALE	39'9	51'5	45'7	+ 3'5	33	30th	62	8th	22	7'84	-1'28	1'42	14th, 28th	—	—	—	—
GLASGOW	39'2	47'3	43'3	+ 1'8	31	1st	55	4th	17	3'87	+0'08	0'65	14th	18'1	- 8'6	8	- 3
GLENLEE	36'0	47'5	41'8	+ 1'3	25	2nd	55	4th	21	7'14	+0'89	1'18	14th	—	—	—	—
DOUGLAS	41'4	50'4	48'9	+ 1'7	30	1st	56	5th, 6th, 14th	22	3'77	-0'99	0'76	25th	57'2	- 3'8	23	- 1
NEWTON RNIGNY	35'3	47'0	41'2	0'0	26	17th	55	14th	18	2'36	-1'16	0'52	14th	45'8	+ 0'9	19	+ 1
STONTHURST	38'5	46'7	42'6	+ 0'4	27	18th	55	4th, 14th, 15th	20	3'56	-1'07	0'55	30th	33'4	-11'7	13	- 5
BLACKPOOL	39'9	48'9	44'4	+ 1'5	31	1st	56	14th, 15th	17	3'15	-0'36	0'36	6th	23'8	-20'8	10	- 8
MANCHESTER	39'1	47'9	43'5	+ 1'4	25	1st	56	4th, 5th, 14th, 15th	17	3'09	-0'51	0'38	4th	—	—	—	—
LLANDUDNO	42'1	51'3	46'7	+ 1'4	35	1st, 2nd, 17th	60	14th	16	1'98	-1'53	0'77	5th	67'1	+22'4	26	+ 8
LLANDOVERY	37'5	50'8	44'2	+ 0'9	24	1st	60	14th	26	4'04	-1'07	0'88	4th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	58'7	- 0'6	23	0
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	58'8	?	23	?
ARLINGTON	39'8	50'0	44'9	+ 1'1	30	17th	56	5th, 14th	21	3'81	-2'52	0'42	30th	—	—	—	—
CULLOMPTON	38'3	51'6	45'0	+ 0'8	27	8th	57	3rd	21	2'71	-0'82	0'52	18th	48'9	+ 0'9	19	+ 1
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	62'6	?	24	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	61'7	?	23	?
FALMOUTH	45'3	53'0	49'2	+ 1'6	39	20th	58	14th	22	3'58	-1'85	0'71	25th	64'0	- 5'4	24	- 2
PLYMOUTH	43'2	53'0	48'1	+ 1'7	34	20th	57	14th	21	2'81	-0'81	0'52	4th	—	—	—	—
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	53'3	?	20	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	61'1	- 4'3	23	- 1
LONDONDERRY	39'8	50'5	45'2	+ 2'3	29	20th	56	4th	23	4'99	+0'69	0'94	18th	—	—	—	—
EDENFEL (OMAGH)	38'2	48'4	43'3	+ 1'7	28	1st, 20th	54	4th, 28th	26	5'54	+1'93	0'85	18th	—	—	—	—
MARKREE CASTLE	38'2	50'4	44'3	+ 1'6	29	1st, 13th	55	4th, 5th	23	4'01	+0'48	0'53	7th	61'2	+ 7'3	24	- 2
BROOKBOROUGH	38'0	49'7	43'9	+ 2'5	26	1st	55	4th	21	5'26	+0'98	0'81	18th	—	—	—	—
ARMAGH	38'8	49'6	44'2	+ 2'3	27	20th	55	4th	23	3'74	+0'85	1'20	18th	59'3	+ 2'6	24	+ 1
EDGEWORTHSTOWN	37'8	49'6	43'7	+ 1'4	30	1st, 16th, 20th	56	4th	23	3'47	-0'19	0'35	17th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	56'7	?	23	?
DUBLIN	42'1	51'6	46'9	+ 2'1	31	1st	57	4th	19	2'40	-0'08	0'72	18th	81'5	+10'6	32	+ 4
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	61'0	- 2'0	24	- 1
KILKENNY CASTLE	39'1	51'3	45'2	+ 0'5	25	1st	58	2nd	25	4'87	+2'20	0'75	17th	—	—	—	—
WATERFORD	40'5	52'5	46'5	+ 0'3	26	1st	57	4th	23	4'87	+1'10	0'52	30th	—	—	—	—
VALENCIA (CAHIR-CIVERN).	*	*	*	*	*	*	*	*	*	*	*	*	*	61'4	+ 1'3	24	+ 1
KILLARNEY	40'5	53'9	47'2	+ 1'6	29	19th	58	8th	30	9'40	?	2'53	20th	—	—	—	—
FOYNES	42'5	52'7	47'6	+ 3'0	33	10th	59	4th	25	5'07	?	0'90	20th	—	—	—	—

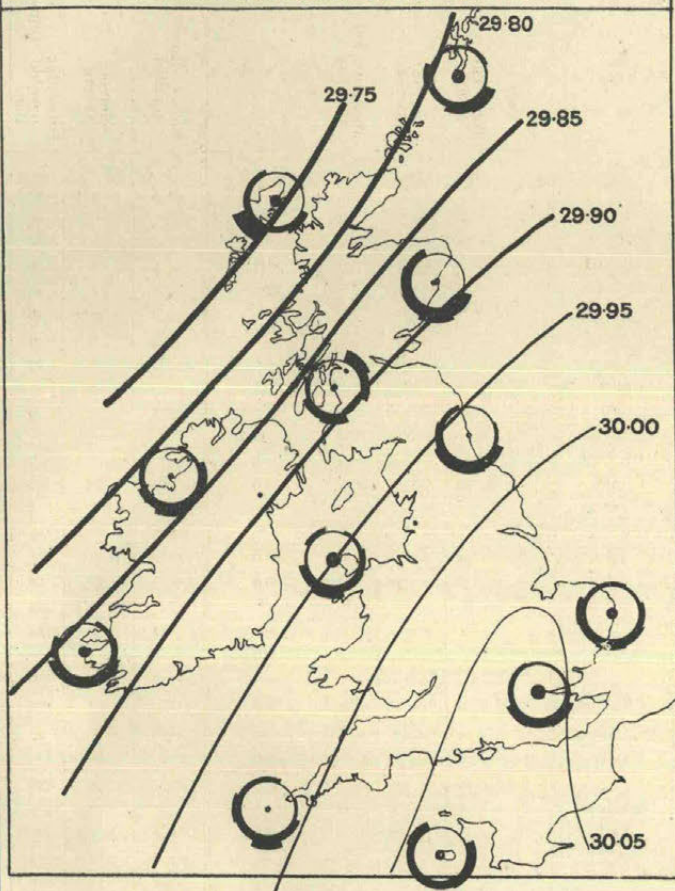
* For information see Table XXI.

MONTHLY WEATHER CHART, NOVEMBER, 1892.

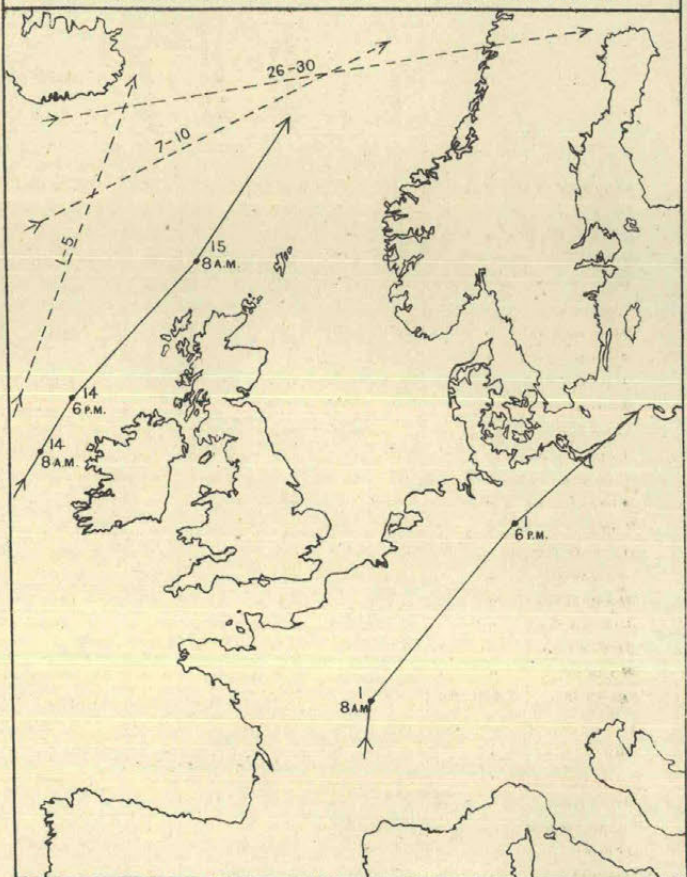
Monthly Summary.

Plate XI.

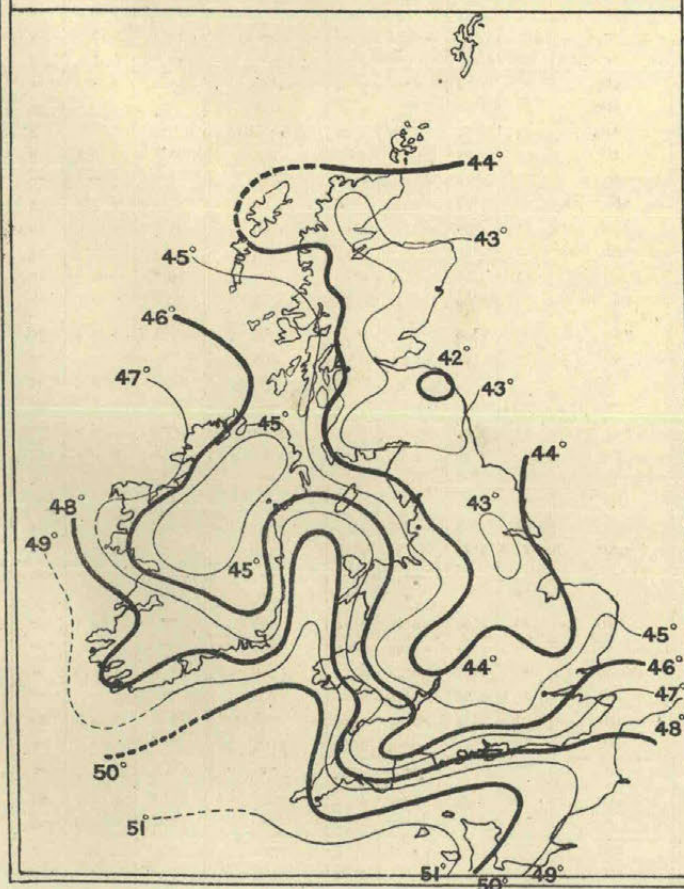
1. BAROMETER AND WIND.



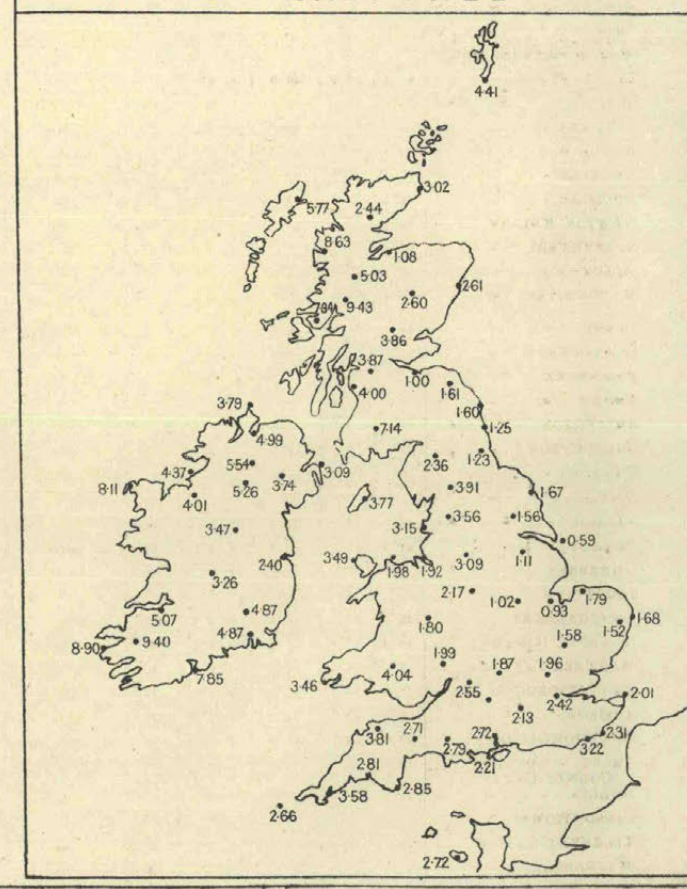
2. MOVEMENTS OF DEPRESSIONS.



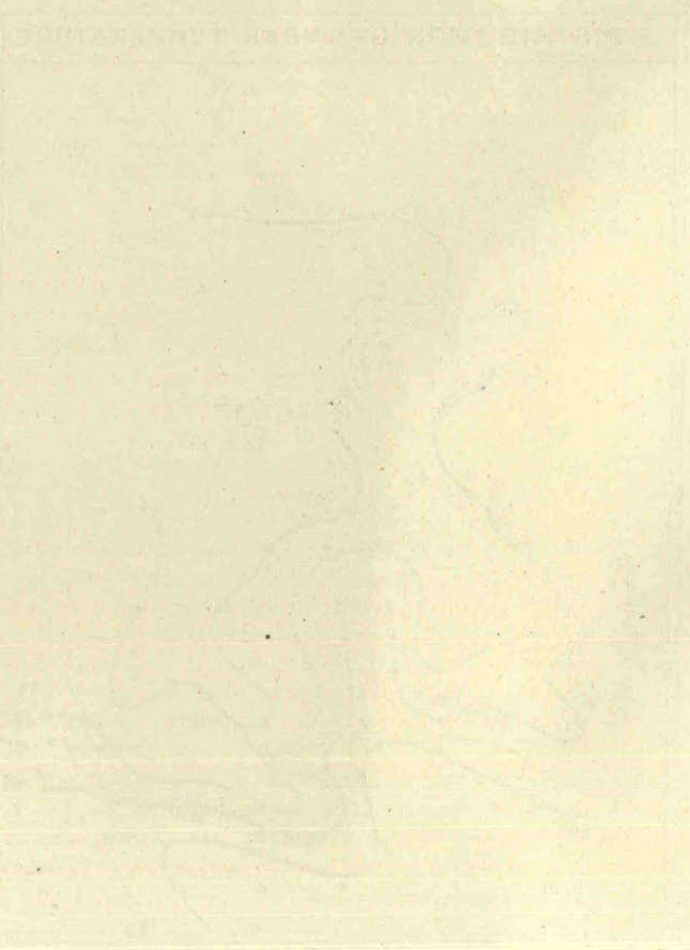
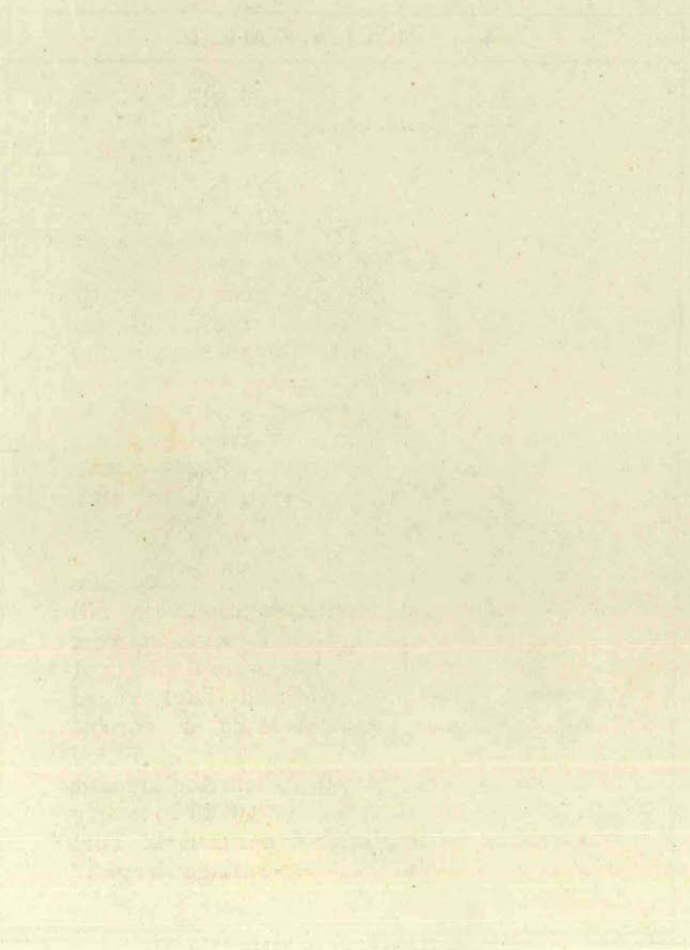
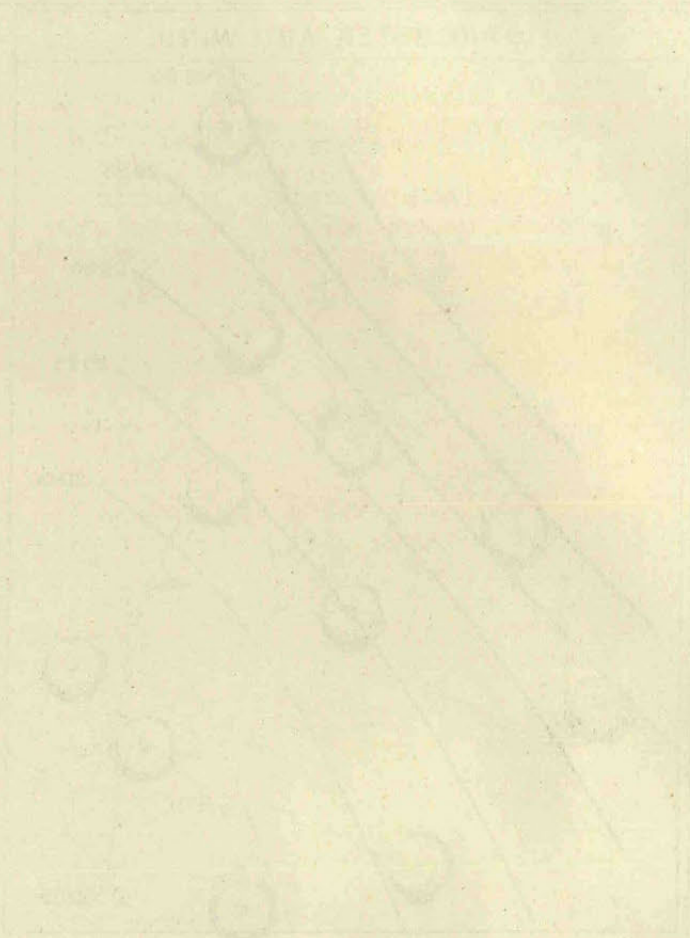
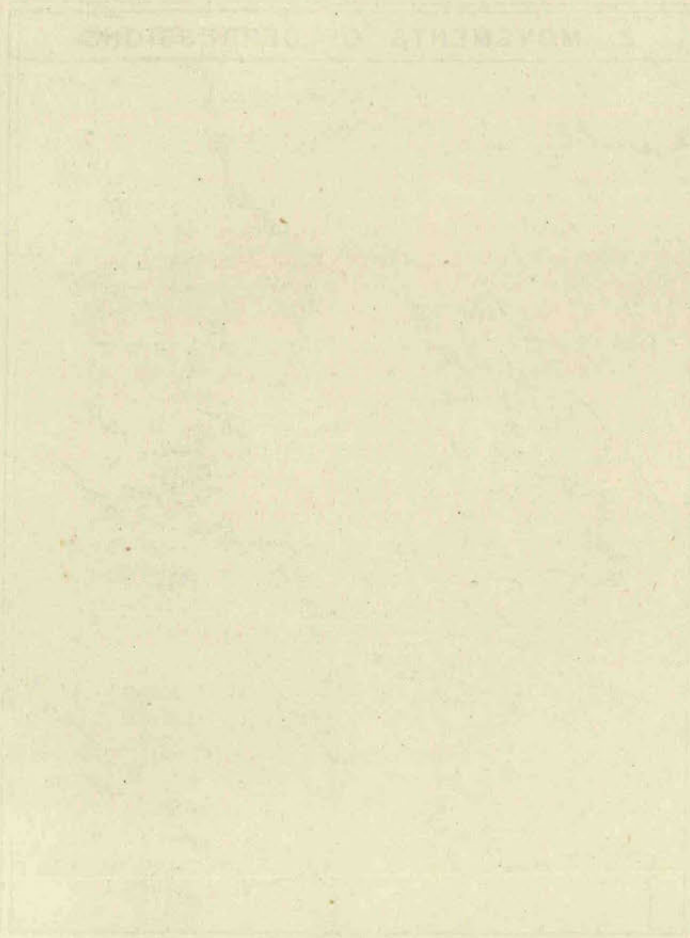
3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



W. 11. 11



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**SUMMARY of the OBSERVATIONS made at the STATIONS included
in the DAILY and WEEKLY WEATHER REPORTS, for the
CALENDAR MONTH,**

DECEMBER 1892.

(Issued as a Supplement to the Weekly Weather Report, 1892.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY EYRE AND SPOTTISWOODE, EAST HARDING STREET, FLEET STREET, E.C.; JOHN MENZIES & Co., 12, HANOVER ST.,
EDINBURGH, and 90, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather was mild for a few days about the middle of the month, but at other times cold, with snow or sleet showers during the opening week, and a good deal of fog over the inland districts towards the close of the period. Pressure was a little above the average; temperature was low, especially in the north; the wind was rather variable in the southern districts but mostly Westerly, on our northern coasts; rainfall was very deficient, and bright sunshine was in excess of the average, the departure from the normal being very large at some of the English stations.

Pressure.—*Mean for the month at 8 a.m.* ranged from 30·00 ins. and upwards over the central parts of the Channel and the south of England to about 29·70 ins. in the Shetlands. The general distribution was therefore of a fairly normal character, but the actual values were in all cases slightly above the average,* the excess varying from about 0·02 in. in the extreme south-east of England to 0·06 in. or more in some parts of Scotland and the north of Ireland. *Highest* readings were recorded in the western parts of the kingdom on the 7th or 8th, but in the eastern districts on the 27th; in the former localities the barometer rose to between 30·3 ins. and 30·4 ins., but in the latter regions it did not get much above 30·2 ins. *Lowest* readings were registered on the 11th, when the barometer fell below 29·0 ins. in Scotland, below 29·5 ins. in the western and northern parts of the United Kingdom, and below 29·7 ins. on all but our extreme south-west coasts. *Range* was small for the time of year.

Depressions.—The tracks of the depressions lay as a rule well to the northward of our Islands, but in some cases the centres passed close to our extreme northern coasts. On the night of the 8th a well-marked and somewhat deep system advanced rapidly across the Kingdom in a south-easterly direction, the disturbance afterwards moving slowly across the Netherlands to the south of Germany, where it gradually dispersed.

Anticyclones.—The anticyclones observed in our immediate neighbourhood were few in number and of a very transitory character, their duration in no case exceeding two or three days. In one instance the system spread temporarily over our Islands from the Atlantic and in another it extended south-westwards from the Scandinavian peninsula, while in a third the anticyclone was developed immediately over the United Kingdom, whence it moved away to the eastward.

Wind.—On our northern coast the winds were chiefly from some Westerly point but in the extreme south and south-west greater variability is shown, the Southerly current being perhaps the most frequent. Very few gales were experienced in the east and south east of England, but a fair quantity in other parts of the Kingdom, the largest numbers being 13 at Mullaghmore and 10 at Aberdeen and Valencia.

Temperature.—*Mean at Sea Level* ranged from about 46° at Valencia and Scilly to between 38° and 39° over many of the inland parts of the north of Ireland, to 35° or less over several parts of the English midland and northern counties and to 34° or less over the inland districts of Scotland. The general distribution was therefore of a marked wintry type and the actual values were below the average* in all parts of Great Britain, as well as at some of the Irish stations, the deficit being large (3° to 4°) in most of the northern districts. *Highest* readings were recorded between the 15th and 18th, when the thermometer rose to between 50° and 55° in most places, to 57° at Nairn, and to 58° at Laudale and Foynes. *Lowest* readings were observed as a rule between the 26th and 28th, when the thermometer fell below 20° in nearly all parts of the Kingdom and to between 10° and 15° at many of the northern and inland stations in Great Britain. The lowest reading of all (8°) was recorded at Braemar on the 10th. *Range* was large,—over 40° in many places, and as much as 45° at Nairn and Loughborough. *Vapour Tension* ranged from about 0·28 in. on our extreme south-west coasts to 0·22 in. or less over Central Ireland, and to 0·18 in. or less over the east of Scotland and the northern and central parts of England. *Relative Humidity* was above 95 per cent. at some of our north-western stations and above 90 per cent. over the greater part of England and the west of Scotland. The lowest per-centages were 78 at Jersey, 80 at Aberdeen, and 83 at Mullaghmore.

Rainfall was very deficient, the aggregate fall amounting to less than half the average,* on a considerable portion of Great Britain, as well as at some of the Irish stations. The largest totals were 7·6 ins. at Glencarron, 5·5 ins. at Fort William, 4·9 ins. at Arlington, and 4·7 ins. at Killarney, the smallest being 0·4 in. at Bawtry, 0·6 in. at York, 0·7 in. at Braemar and Spurn Head, and 0·8 in. at Dublin. The number of rainy days was rather large (20 to 25) on our extreme western and northern coasts, but very small over the eastern parts of the kingdom. At Bawtry there were only 7, and at Cambridge and in London 9 days with rain.

Bright Sunshine was in excess of the average* in most places, the difference being large at many of the English stations. At Thurstaston, Newton Reigny, and Llandudno the total amount was more than twice as much as the average. The per-centage of the possible duration ranged from 33 at Jersey, 30 at Hastings and 29 at Eastbourne and Southampton to 9 at Fort William and in London, to 8 at Stornoway and to only 2 per cent. at Fort Augustus, the total amount recorded during the month at the last-mentioned station being less than 4 hours.

* The averages employed are—*Pressure and Temperature* for the 20 years 1871–90; *Rainfall* for the 25 years 1866–90; *Bright Sunshine* for the 10 years 1881–90.

TABLE XXIII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC
Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail,
(The Stations are grouped in Districts, and then arranged in order of Latitude,

NAMES OF DISTRICTS.	NAMES OF STATIONS.	Mean Height of Barometer (at 32° Fahrenheit and Mean Sea Level) from Observations made at 8 a.m.	Difference from Average.	AIR TEMPERATURE.									
				At 8 a.m.	Means of				Absolute Extremes.				
					Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.	
0. SCOTLAND, N.	Sumburgh Head	ins. 29°702	ins. + °029	38°1	33°7	41°3	37°5	-1°4	27	2nd	50	17th	
	Wick	29°735	+ °017	35°7	30°8	40°0	35°4	-2°1	13	1st	52	17th	
	Stornoway	29°767	+ °062	37°7	32°8	41°5	37°2	-1°5	25	25th, 26th	53	17th	
1. SCOTLAND, E.	Nairn	29°794	+ °051	33°6	27°3	39°8	33°6	-3°8	12	25th	57	18th	
	Aberdeen	29°830	+ °063	34°7	31°0	38°7	34°9	-2°4	20	26th	54	17th	
	Leith	29°872	+ °065	35°3	29°9	40°7	35°3	-3°6	15	26th	55	17th	
2. ENGLAND, N.E.	Shields	29°893	+ °048	34°9	30°1	40°4	35°3	-3°1	19	26th	56	18th	
	York	29°942	+ °052	33°2	29°2	39°3	34°3	-3°0	30	27th	54	18th	
	Spurn Head	29°922	+ °049	36°5	33°1	40°2	36°7	-2°2	25	26th	50	18th	
3. ENGLAND, E.	Yarmouth	29°942	+ °026	36°2	31°9	40°1	36°0	-1°8	24	6th, 7th, 27th, 29th.	52	15th	
	Cambridge	29°985	+ °044	33°2	28°4	41°0	34°7	-2°5	16	27th, 28th	54	15th	
4. MIDLAND COUNTIES	Loughborough	29°980	+ °056	31°9	27°6	40°4	34°0	-3°5	9	27th, 28th	54	15th	
	Oxford	30°004	+ °049	33°5	30°4	40°7	35°6	-2°6	14	27th, 28th	53	15th	
5. ENGLAND, S.	London	29°994	+ °040	34°9	31°3	42°3	36°8	-2°2	17	27th, 28th	55	15th	
	North Foreland	29°964	+ °024	39°2	34°7	42°9	38°8	-0°7	25	27th	55	15th	
	Dungeness	29°975	+ °022	38°1	32°8	43°5	38°2	-1°9	20	27th, 28th	52	3rd	
	Hurst Castle	30°001	+ °043	39°3	35°5	44°8	40°2	-0°8	24	28th	52	2nd, 3rd	
6. SCOTLAND, W.	Ardrossan	29°881	+ °061	37°3	32°3	42°7	37°5	-2°7	22	26th	51	15th	
7. ENGLAND, N.W.	Hawes Junction*	28°666	?	30°6	26°0	36°3	31°2	?	17	10th, 31st	46	14th, 18th	
	Liverpool	29°952	+ °057	36°4	33°5	41°8	37°7	-1°9	22	27th, 28th, 29th	53	15th, 17th, 18th	
	Holyhead	29°935	+ °056	40°7	37°5	45°1	41°3	-1°5	28	28th	52	14th	
8. ENGLAND, S.W.	Pembroke	29°961	+ °045	42°3	39°2	45°5	42°4	-1°2	29	26th	52	1st, 15th	
	Prawle Point	30°000	+ °030	41°2	37°6	46°0	31°8	-0°8	29	27th	51	1st, 2nd, 3rd, 15th.	
9. IRELAND, N.	Malin Head	29°836	+ °026	40°5	37°8	43°5	40°7	+1°0	31	4th, 5th, 27th	53	17th	
	Donaghadee	29°911	+ °063	39°6	36°2	44°0	40°1	-0°9	25	5th, 26th, 28th	55	18th	
	Mullaghmore	29°880	+ °050	42°3	37°9	46°0	42°0	-0°2	27	26th, 27th	54	17th	
	Belmullet	29°882	+ °062	42°8	38°6	46°2	42°4	-1°4	32	4th, 5th, 6th, 12th, 28th.	52	16th	
10. IRELAND S.	Parsonstown	29°931	+ °030	38°6	33°6	44°5	39°1	+0°2	20	27th	54	17th, 18th	
	Valencia (Cahirciveen)	29°933	+ °028	46°7	42°2	49°9	46°1	+1°2	31	8th	54	14th, 18th, 20th	
	Roche's Point	29°947	+ °035	45°2	41°5	48°3	44°9	+1°5	33	26th, 27th	55	15th	
CHANNEL ISLANDS	Scilly	29°966	+ °015	47°3	42°3	49°7	46°0	-0°5	36	30th	54	20th	
	Jersey	30°028	+ °043	42°7	38°6	46°2	42°4	-0°9	25	30th	55	15th	

* Hawes Junction is 1,135 feet above mean sea level, and the

SUMMARY OF OBSERVATIONS, DECEMBER 1892.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of DECEMBER 1892.

Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.
(beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
in.	%		ins.	ins.	ins.		Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
0.198	86	8.5	2.73	-1.52	0.63	10th	24	4	0	0	0	21	3	5	1	1	2	4	2	8	4	4
187	89	5.9	2.79	-0.31	0.35	5th	17	4	0	0	5	8	7	4	0	1	2	8	1	3	12	0
212	94	8.3	2.56	-3.07	1.00	2nd	21	5	0	0	1	19	6	6	2	0	3	1	7	7	3	2
177	91	5.5	1.16	-0.79	0.24	3rd	15	5	0	0	7	9	0	0	0	0	0	0	3	10	3	15
162	80	6.2	1.32	-1.92	0.34	6th	15	9	3	0	0	9	10	0	0	0	0	6	9	5	11	0
178	86	7.1	0.94	-0.92	0.25	8th	15	2	0	0	0	16	0	1	1	2	2	1	8	14	1	1
183	90	6.8	1.48	-1.09	0.43	1st	13	6	2	0	3	11	0	1	1	0	1	4	12	5	5	2
180	95	5.4	0.55	-1.73	0.15	8th	11	3	0	0	15	14	0	6	0	1	2	7	2	7	3	3
202	94	6.5	0.71	-1.43	0.15	20th	15	4	2	0	1	11	0	1	1	0	5	5	7	6	6	0
191	89	4.9	1.06	-1.60	0.23	14th	12	1	2	0	6	4	3	1	0	4	2	1	3	10	8	2
176	93	6.5	1.29	-0.59	0.37	1st	9	4	0	0	7	17	0	2	0	6	0	1	9	7	4	2
164	91	7.1	1.08	-1.16	0.34	8th	14	6	0	0	4	13	1	1	0	3	6	1	7	6	4	3
172	90	6.7	0.98	-1.12	0.35	1st	13	4	0	0	10	19	0	2	3	3	3	1	8	4	4	3
177	87	6.5	1.20	-0.90	0.36	1st	9	4	0	0	9	17	1	2	0	3	2	3	7	5	4	5
207	86	7.3	2.21	?	0.49	1st	12	5	1	0	5	18	2	2	1	3	3	2	4	9	7	0
211	92	6.9	1.86	-1.14	0.47	8th	14	3	0	0	1	10	6	6	0	3	4	1	3	9	5	0
223	93	5.9	1.96	-0.82	0.49	1st	11	1	0	0	5	6	7	3	6	6	1	0	4	7	4	0
209	94	6.2	1.86	-1.87	0.42	8th	18	3	1	0	6	16	1	2	11	1	1	4	5	2	3	2
164	96	5.9	2.65	?	0.37	16th	16	6	0	0	6	16	0	3	7	3	4	1	7	4	2	0
191	89	6.3	2.26	-0.33	0.58	8th	15	2	2	0	8	11	2	1	1	4	11	1	5	5	3	0
231	91	6.2	1.67	-2.15	0.32	13th	17	0	1	0	0	10	2	2	2	2	4	3	7	4	3	4
242	90	7.3	2.45	-1.54	0.68	1st	14	0	0	0	0	14	8	3	3	8	3	1	6	3	4	0
242	94	7.2	2.28	-1.48	0.47	1st	14	1	0	0	1	18	4	2	4	6	3	1	4	6	5	0
223	89	8.1	2.03	?	0.41	21st	20	4	4	0	2	19	6	4	1	0	5	8	6	2	5	0
237	97	6.1	1.92	-0.92	0.37	5th	20	3	0	0	2	7	3	1	2	0	5	3	9	7	4	0
222	83	6.5	2.08	-2.43	0.31	13th	21	2	3	0	3	7	13	2	1	6	3	3	7	5	4	0
236	86	7.7	3.20	?	0.54	8th	24	3	2	0	3	21	2	3	0	7	5	2	6	3	5	0
209	89	7.3	1.19	-1.85	0.31	8th	10	2	0	0	4	20	0	0	0	0	8	0	5	0	2	16
275	87	9.0	3.94	-2.05	0.64	11th	25	0	3	0	1	24	10	1	1	5	7	6	3	2	4	2
271	90	6.9	4.48	-0.47	0.65	2nd, 23rd	20	2	0	0	0	12	6	3	0	2	7	4	3	6	6	0
280	87	7.5	2.00	-2.02	0.32	23rd	19	0	1	0	0	11	4	4	0	5	7	4	4	2	5	0
213	78	6.8	2.44	-1.38	0.40	3rd	14	4	2	0	6	15	1	0	1	6	6	2	4	4	7	1

Barometer at this station is not reduced for altitude.

TABLE XXIV.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of DECEMBER 1892.

NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	*	°	*	*	ins.	ins.	ins.	*	16'1	-11'5	°/8	-°/6
LAIRG	24'9	38'0	31'5	-3'9	12	8th	53	18th	20	2'15	-1'80	0'30	13th	—	—	—	—
GLENCARRON	28'2	38'7	33'5	-3'6	16	2nd	52	18th	19	7'56	-1'99	1'09	5th	—	—	—	—
FORT AUGUSTUS	29'2	38'4	33'8	-3'9	15	26th, 27th	52	18th	18	3'09	-1'62	0'51	5th	3'8	?	2	?
FORT WILLIAM	31'2	39'7	35'5	-3'7	18	26th	52	18th	20	5'49	-3'67	1'24	16th	19'0	?	9	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	55'5	+17'6	27	+8
BRAEMAR	24'2	35'7	30'0	-4'2	8	10th	51	18th	12	0'72	-2'26	0'15	3rd	30'8	?	15	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	33'3	?	16	?
OCHTERTYRE	27'3	38'9	33'1	-2'9	14	24th	52	17th	15	1'08	-3'09	0'21	8th	—	—	—	—
MARCHMONT	28'0	38'4	33'2	-3'0	18	2nd, 3rd, 31st	51	16th	11	1'89	-1'26	0'47	6th	49'0	?	23	?
ALNWICK CASTLE	30'2	39'5	34'9	-2'7	18	25th, 29th	52	17th	12	1'37	-1'78	0'31	8th	—	—	—	—
DURHAM	28'5	38'8	33'7	-3'1	14	26th	55	18th	12	0'96	-1'99	0'18	8th	57'4	+15'9	27	+8
SCARBOROUGH	33'0	39'8	35'9	-2'7	20	26th	53	18th	13	1'06	-1'77	0'32	10th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	58'3	?	26	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	42'5	+18'0	19	+8
HILLINGTON	29'8	39'7	34'8	-1'9	15	27th	53	15th	12	1'13	-1'30	0'25	1st, 10th	49'8	+12'9	22	+6
GELDESTON	30'5	41'7	36'1	-1'7	21	26th, 27th, 28th, 29th.	54	15th	13	1'01	-1'19	0'21	1st	57'3	+10'9	24	+4
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	49'4	+10'1	21	+4
ROTHAMSTED	28'9	40'3	34'6	-2'8	14	30th	53	15th	10	1'58	-0'85	0'48	1st	53'1	?	23	?
BAWTRY	27'9	39'2	33'6	-3'6	10	28th	54	18th	7	0'35	-1'91	0'16	8th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	48'4	+16'5	21	+7
STAMFORD (KETTON HALL).	27'9	40'3	34'1	-2'9	13	26th	54	15th	13	1'03	-1'30	0'28	8th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	52'4	+29'2	23	+13
CHEADLE	30'2	39'0	34'6	-1'8	21	26th	52	18th	13	2'46	-0'67	0'75	5th	—	—	—	—
CHURCHSTOKE	29'7	43'9	36'8	-0'9	11	26th	53	15th	15	1'41	-1'66	0'34	1st	44'6	+7'1	20	+4
HEREFORD	29'0	40'8	34'9	-3'4	12	27th, 28th	54	15th	12	1'07	-1'29	0'48	1st	—	—	—	—
CIRENCESTER	29'3	40'3	34'8	-2'4	11	27th	52	15th	14	1'05	-1'78	0'26	1st	56'2	+17'6	24	+7
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	50'2	+12'8	21	+5
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	19'9	+0'5	9	+1
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	60'0	?	25	?
STRATHFIELD TURGISS	29'9	39'8	34'9	-2'8	13	27th	52	15th	13	1'04	-1'10	0'25	1st	—	—	—	—
HASTINGS	34'0	43'4	38'7	-1'3	25	26th	52	2nd, 3rd, 15th 16th.	12	2'47	-0'47	0'64	1st	71'6	+16'9	30	+7
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	70'5	?	29	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	60'2	?	25	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	54'3	?	23	?
SOUTHAMPTON	33'7	43'5	38'6	-1'2	20	27th	54	15th	11	1'71	-1'40	0'53	1st	69'6	+23'2	29	+10
STOWELL	31'6	42'0	36'8	-1'5	16	28th, 29th	52	15th	16	1'75	?	0'44	2nd	—	—	—	—
LAUDALE	32'7	43'6	38'2	-1'6	24	2nd, 26th	58	19th, 22nd	19	4'40	-4'94	0'79	10th	—	—	—	—
GLASGOW	31'4	39'3	35'4	-2'5	18	26th	51	17th, 18th	16	1'67	-2'37	0'31	13th	23'8	+8'6	11	+4
GLENLEE	27'9	39'4	33'7	-3'4	12	26th	51	18th	18	2'89	-3'30	0'46	10th, 13th	—	—	—	—
DOUGLAS	35'2	43'5	39'4	-1'7	22	27th	53	18th	19	3'91	-0'61	0'70	4th	28'2	-15'2	13	-6
NEWTON REIGNY	27'4	39'2	33'3	-2'7	13	27th, 28th	51	18th	12	1'23	-2'17	0'30	10th	57'6	+31'7	27	+15
STONYHURST	30'0	38'6	34'3	-3'3	17	26th	49	17th, 18th	17	3'88	-0'72	0'65	8th	33'2	+5'5	15	+3
BLACKPOOL	31'9	41'1	36'5	-2'3	19	28th	48	15th, 16th, 18th	15	2'52	-0'68	0'54	8th	31'7	+5'9	14	+2
MANCHESTER	30'6	39'7	35'2	-2'2	19	27th	52	17th, 18th	14	2'77	-0'78	0'35	8th	—	—	—	—
LLANDUDNO	35'6	44'1	39'9	-1'7	25	28th	52	15th, 16th, 17th, 18th, 19th.	16	2'09	-1'04	0'27	5th	54'7	+30'0	24	+13
LLANDOVERY	29'9	42'6	36'3	-4'4	12	28th	52	14th, 15th	16	3'25	-2'07	0'68	1st	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	55'4	+9'2	24	+4
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	54'2	?	23	?
ARLINGTON	33'7	43'4	38'6	-1'7	21	27th	50	14th, 15th	16	4'87	-0'86	1'15	1st	—	—	—	—
CULLOMPTON	32'8	44'4	38'6	-0'7	18	27th	53	3rd, 15th	14	1'76	-1'76	0'47	1st	55'2	+21'3	23	+9
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	58'8	?	24	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	62'0	?	26	?
FALMOUTH	40'2	47'1	43'7	-0'4	30	26th	52	1st, 2nd, 3rd, 14th, 15th.	18	3'01	-2'24	0'49	11th	60'8	+6'8	25	+3
PLYMOUTH	37'8	46'2	42'0	-0'1	23	27th	54	3rd	17	1'95	-1'89	0'42	1st	—	—	—	—
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	56'9	?	23	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	81'3	+24'2	33	+10
LONDONDERRY	34'7	43'8	39'3	0'0	23	27th	53	17th, 18th	20	3'27	-0'68	0'52	8th, 10th	—	—	—	—
EDENFEL (OMAGH)	32'1	41'4	36'8	-0'9	20	26th, 27th	53	17th	22	2'60	-0'94	0'39	13th	—	—	—	—
MARKREE CASTLE	33'7	44'1	38'9	+0'3	18	27th	53	18th	23	3'54	+0'07	0'60	3rd, 8th	21'5	-14'9	10	-6
BROOKEBOROUGH	31'6	43'1	37'4	+0'2	17	27th	52	18th	20	3'09	-0'98	0'57	3rd	—	—	—	—
ARMAGH	32'7	42'1	37'4	-0'5	13	27th	53	18th	17	1'52	-1'28	0'37	10th	25'3	-10'0	11	-6
EDGEWORTHSTOWN	32'2	42'5	37'4	-0'5	20	27th	52	18th	19	2'24	-0'98	0'33	8th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	48'4	?	19	?
DUBLIN	35'2	43'9	39'6	-1'2	22	27th, 28th	56	18th	10	0'80	-1'59	0'18	8th	52'4	+3'5	23	+2
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	44'6	+0'2	20	+1
KILKENNY CASTLE	33'5	44'3	38'9	-1'0	18	27th, 28th	54	18th	16	1'38	-1'79	0'24	8th	—	—	—	—
WATERFORD	36'5	45'8	41'2	-0'8	24	27th	54	14th	18	2'27	-1'87	0'45	24th	—	—	—	—
VALENCIA (CAHIREEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	23'1	-22'0	10	-9
KILLARNEY	39'8	49'1	44'5	+2'2	25	7th	56	15th	24	4'68	?	0'82	8th	—	—	—	—
FOYNES	38'2	47'1	42'7	+2'0	25	26th	58	19th	24	3'07	?	0'73	2nd	—	—	—	—

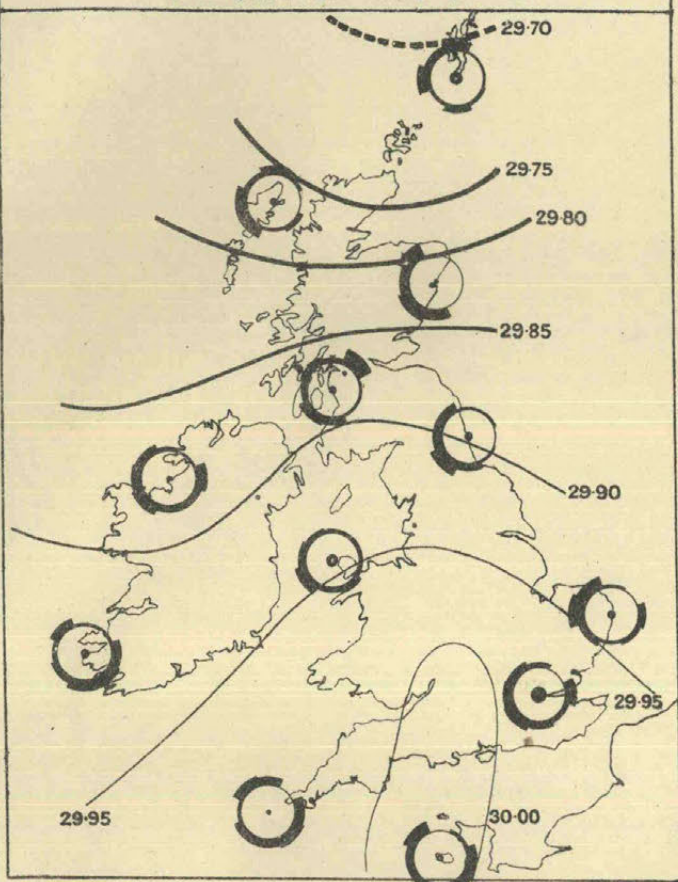
* For information see Table XXIII.

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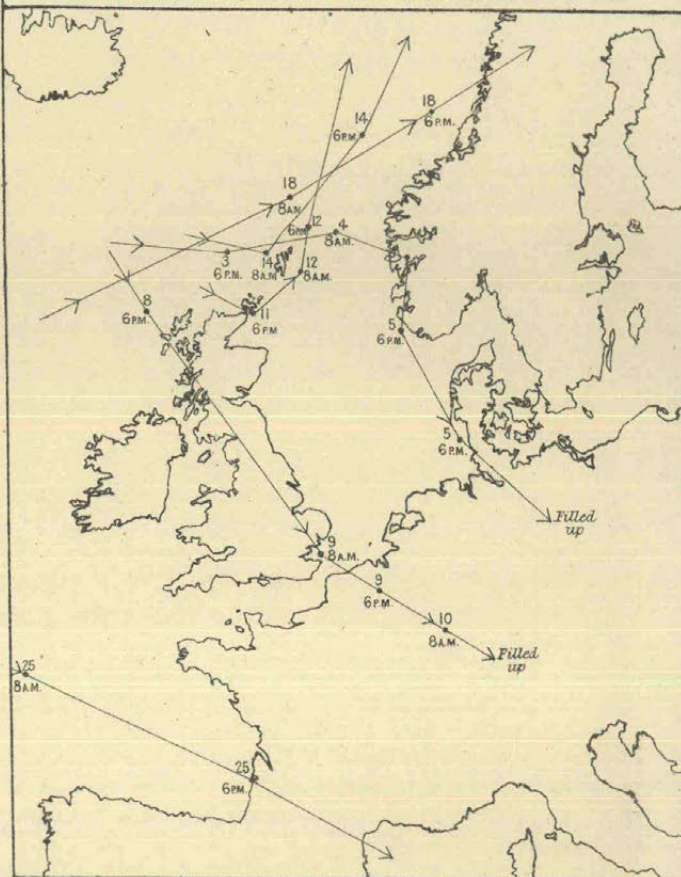
Monthly Summary

Plate XII.

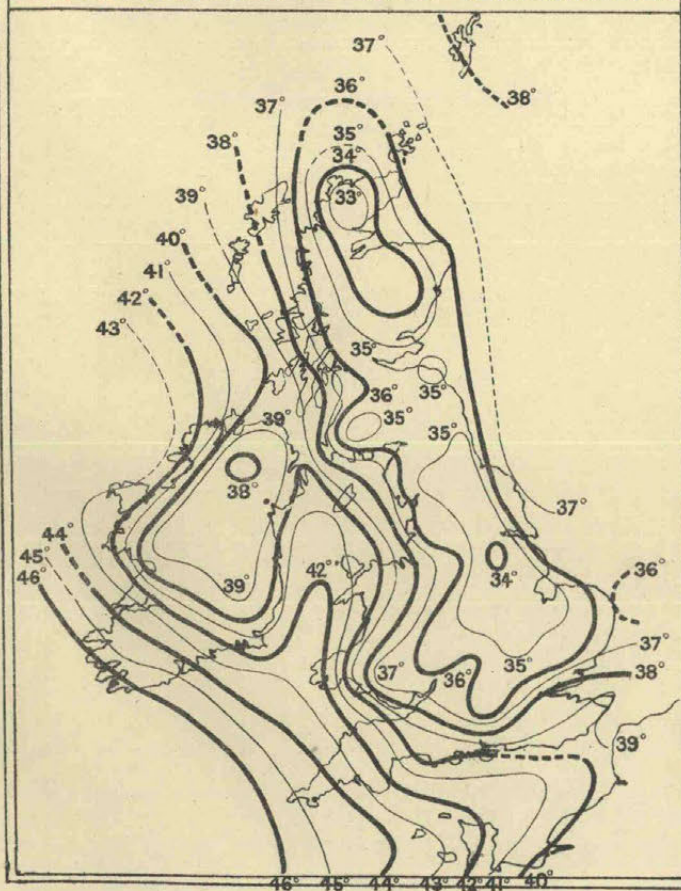
1 BAROMETER AND WIND.



2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.

