

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

JANUARY 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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General Summary.—The early part of January was very inclement, intense frost prevailing over the whole kingdom, with Easterly gales and snowstorms in many places. Towards the middle of the month, however, the wind shifted to the Southward and finally to the Westward, and for the remainder of the time mild humid weather prevailed generally, with frequent rain, and with occasional falls of snow or sleet in the more northern parts of the country. Thunder and lightning were occasionally reported in the west and north. *Pressure* was low especially in the north; temperature also was slightly below the average; the winds were mainly from the South-westward or Westward; rainfall was in excess of the normal, but the amount of bright sunshine was large excepting in isolated parts of Ireland and Scotland.

Pressure.—*Mean at 8 a.m.* ranged from 29·90 ins. and upwards over the southern parts of the English Channel to 29·45 ins. and less in the Hebrides, the general distribution being in close agreement with the normal. The actual values were, however, in all cases below the average,* and as the deficiency was least (0·15 in. or less) over England and the south of Ireland, and greatest (0·25 in. or more) on our extreme north and north-west coasts, the gradient for South-westerly winds was steeper than usual. *Highest* readings were observed on the 3rd, when the barometer ranged from 30·3 ins. and upwards in the north-eastern parts of Great Britain to about 30·4 ins. on our extreme south and south-west coasts. *Lowest* readings were registered in the north on the 27th or 28th, when the mercury fell to about 28·5 ins. in the Shetlands, and to 29·0 ins. or less over Scotland generally. In the extreme southern parts of the kingdom the absolute minima, which occurred on the 20th or 22nd, were not much below 29·5 ins. *Range* was consequently small in the south, but large in the north; in the Shetlands it amounted to about two inches and a quarter.

Depressions.—Between the 4th and 6th a large but somewhat shallow depression advanced slowly from the Portuguese coasts to the south-west of our Islands, where it gradually dispersed. During the ensuing week a series of depressions travelled northwards outside our extreme western coasts, while for the remainder of the month the weather was influenced by a number of large and deep disturbances which skirted the north of Scotland and passed eastwards or north-eastwards to Scandinavia. On the 31st a well-marked secondary system advanced in an east-south-easterly direction across Ireland, but on reaching Wales the disturbance filled up.

Anticyclones.—At the commencement of the month a large anticyclone of considerable intensity spread over our Islands from Scandinavia, but after the 4th the system gradually receded to the eastward, and eventually passed away to Russia. During the latter half of the period the nearest anticyclone was located over Spain.

Winds were chiefly from West or South-west, but in the extreme north of Scotland the South-easterly current was largely represented. Gales were numerous, especially in the west and north; at Malin Head and Donaghadee gale force was reached on as many as 18 days, and at Aberdeen on 16 days.

Temperature.—*Mean at Sea Level* ranged from a little below 45° at Scilly, and from 42° and upwards at most of our extreme south-western stations to 37° or less in several distinct areas lying over the eastern parts of Great Britain, and to a little below 36° at Lairg. The general distribution showed a fair agreement with the normal, but the actual values were below the average* at nearly all stations, the deficit being slight in most places, but rather large (2° to 3°) in the south of Ireland. *Highest* readings were observed as a rule on the 10th or 11th, but in the east of England they occurred mostly on the 17th or 27th. *Lowest* readings were recorded between the 5th and 7th, when severe frost occurred generally; readings below 10° were observed in many parts of the kingdom, the lowest of all being—4° at Braemar, 0 (zero) at Bawtry, and 2° at Ochertyre and Waterford. *Range* was very large,—exceeding 40° in several places, and amounting to as much as 50° at Braemar and Waterford, 52° at Loughborough, and 53° at Bawtry. *Vapour Tension* ranged from between 0·23 in. and 0·26 in. on our extreme south-west coasts to 0·20 in. or less over central Ireland and the eastern and central parts of Great Britain, and to 0·18 in. at Aberdeen. *Relative Humidity* was least (85 per cent. or less) in the east of Scotland and the extreme west of Ireland, the highest values being 96 per cent. at Donaghadee and 95 per cent. at Stornoway and Prawle Point.

Rainfall varied greatly in different parts of the country. At many of the eastern and central stations in England the amount was less than the average* but in most other localities there was an excess, the divergence from the normal being greatest in the north of Ireland. The largest aggregates for the month were 12·3 ins. at Fort William, 11·0 ins. at Glencarron, 10·9 ins. at Laudale, and 9·3 ins. at Killarney; while the smallest amounts were 1·1 ins. at Durham, 1·2 ins. at Shields and Yarmouth, and 1·3 ins. at Spurn Head. Falls exceeding an inch in 24 hours were experienced only in the west of Scotland, and at Waterford, but the number of rainy days was large in all districts, more than 25 such occasions being recorded at several stations; at Stornoway and Hawes Junction there were 28 days with rain, and at Sumburgh Head as many as 29.

Bright Sunshine was in excess of the average* at all but one or two of the Irish or Scotch stations, and especially so in London, where the amount was nearly twice as much as the normal. The per-centage of the possible duration ranged from 31 at Brighton and Westbourne, and 30 at Southampton and Jersey to 7 at Fort William and Manchester and to 5 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 I.—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 39° 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° 488	ins. -0° 187	38° 5	35° 0	41° 7	38° 4	-0° 9	25	24th	47	11th, 13th, 24th
	Wick	29° 475	-244	37° 7	33° 5	41° 5	37° 5	-0° 4	20	7th	49	13th
	Stornoway	29° 433	-249	39° 1	33° 5	42° 5	38° 0	-0° 9	26	7th, 24th, 30th	51	10th
1. SCOTLAND, E.	Nairn	29° 509	-236	37° 0	30° 4	42° 9	36° 7	-0° 9	12	7th	55	11th
	Aberdeen	29° 601	-186	36° 5	32° 4	42° 0	37° 2	-0° 6	11	7th	50	24th
	Leith	29° 627	-198	38° 1	32° 4	43° 6	38° 0	-1° 1	13	7th	53	10th, 11th
2. ENGLAND, N.E.	Shields	29° 720	-161	37° 3	31° 7	43° 2	37° 5	-1° 1	12	6th	54	27th
	York	29° 790	-142	36° 6	32° 3	42° 7	37° 5	-0° 1	10	6th	53	27th
	Spurn Head	29° 793	-133	36° 7	33° 0	41° 0	37° 0	-1° 1	19	6th	50	27th
3. ENGLAND, E.	Yarmouth	29° 845	-134	37° 3	31° 6	41° 6	36° 6	-1° 1	14	8th	50	17th, 27th
	Cambridge	29° 870	-123	35° 9	30° 3	43° 1	36° 7	-0° 8	11	6th	54	17th
4. MIDLAND COUNTIES	Loughborough	29° 838	-129	36° 6	32° 2	43° 2	37° 7	0° 0	5	6th	57	11th
	Oxford	29° 872	-127	36° 9	32° 9	43° 4	38° 2	-0° 2	11	6th	54	11th
5. ENGLAND, S.	London	29° 885	-121	37° 6	32° 8	43° 6	38° 2	-0° 8	13	6th	54	12th
	North Foreland	29° 880	-130	39° 1	33° 1	43° 1	38° 1	-1° 1	15	5th	51	12th
	Dungeness	29° 876	-136	38° 4	33° 4	43° 4	38° 4	-1° 3	13	5th	49	27th
	Hurst Castle	29° 892	-110	40° 4	36° 1	45° 0	40° 6	-0° 1	18	5th, 6th	53	11th
6. SCOTLAND, W.	Ardrossan	29° 627	-211	39° 7	35° 5	43° 1	39° 3	-1° 0	18	7th	50	26th, 27th
7. ENGLAND, N.W.	Hawes Junction*	28° 482	?	33° 5	28° 6	38° 4	33° 5	?	6	6th, 7th	50	27th
	Liverpool	29° 782	-142	38° 7	34° 8	43° 3	39° 1	-0° 3	13	6th	53	11th
	Holyhead	29° 744	-158	41° 0	36° 6	44° 5	40° 6	-1° 6	20	5th, 6th	50	10th, 11th, 12th
8. ENGLAND, S.W.	Pembroke	29° 810	-126	42° 3	38° 0	45° 2	41° 6	-1° 0	19	6th	50	9th, 10th, 11th
	Prawle Point	29° 884	-122	40° 7	36° 6	44° 9	40° 8	-1° 1	20	6th	52	11th
9. IRELAND, N.	Malin Head	29° 543	-272	39° 4	36° 0	43° 5	39° 8	-0° 5	23	6th, 7th	51	10th
	Donaghadee	29° 669	-187	38° 8	34° 6	44° 2	39° 4	-0° 9	20	6th	52	27th
	Belmullet	29° 609	-211	42° 1	36° 7	45° 4	41° 1	-1° 8	26	6th	51	10th
10. IRELAND, S.	Parsonstown	29° 720	-149	37° 6	32° 3	44° 1	38° 2	-1° 7	6	6th	53	10th
	Valencia (Cahiriveen)	29° 755	-132	42° 4	37° 6	47° 6	42° 6	-2° 4	20	6th, 7th	54	9th
	Roche's Point	29° 790	-118	41° 5	37° 0	45° 8	41° 4	-2° 2	20	6th	52	16th, 27th
CHANNEL ISLANDS	Scilly (St. Mary's)	29° 850	-119	44° 9	40° 7	48° 0	44° 4	-1° 5	25	5th, 6th	53	10th, 11th, 12th
	Jersey	29° 939	-83	41° 7	37° 6	45° 3	41° 5	-0° 6	16	5th	52	17th, 19th, 20th, 27th.

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

SUMMARY OF OBSERVATIONS, JANUARY 1894.

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REPORTING STATIONS in the BRITISH ISLANDS, during the Month of JANUARY 1894.

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.	SHOW.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
ins. 0.215	% 93	9.0	ins. 6.05	ins. +2.33	ins. 0.76	24th	29	7	1	0	0	23	6	2	0	2	9	4	2	8	0	4
*208	92	8.1	3.08	+1.03	0.40	17th	26	6	0	0	1	18	9	1	0	0	3	14	1	8	3	1
*227	95	8.4	6.39	+1.09	1.00	26th, 30th	28	10	0	1	0	19	13	4	0	1	7	4	3	10	0	2
*193	88	6.8	1.89	-0.10	0.37	26th	21	8	0	0	2	10	3	1	0	1	2	3	6	10	1	7
*179	83	7.5	2.44	+0.13	0.29	10th, 29th	24	12	2	0	0	13	16	1	0	3	4	10	8	4	1	0
*193	84	7.2	2.09	+0.16	0.35	27th	17	7	0	1	1	16	1	1	1	3	2	4	12	5	1	2
*190	86	7.1	1.18	-0.57	0.17	1st	18	9	3	0	2	10	6	0	1	3	0	6	12	3	1	0
*196	91	6.7	2.33	+0.46	0.28	8th	22	2	0	0	6	14	0	2	1	2	3	9	7	5	2	0
*193	89	7.2	1.25	-0.10	0.20	17th	20	7	2	0	4	17	2	1	1	3	3	6	11	3	3	0
*203	91	5.5	1.20	-0.75	0.24	27th	22	6	1	0	7	5	5	1	1	3	3	5	9	7	2	0
*194	92	7.2	1.46	-0.08	0.36	14th	21	6	0	0	5	16	5	3	1	2	2	9	7	2	5	0
*188	87	7.3	1.30	-0.74	0.17	19th	22	6	2	0	3	15	7	0	1	3	5	3	9	7	3	0
*196	90	7.3	1.74	-0.52	0.34	22nd	21	4	2	0	7	17	1	2	3	1	5	3	11	2	2	2
*196	87	7.0	3.17	+1.05	0.45	9th, 14th	23	7	1	0	8	18	8	2	4	0	3	4	9	5	3	1
*204	85	7.4	1.66	?	0.52	25th	17	5	1	0	1	16	3	1	2	2	3	5	8	6	4	0
*216	93	8.0	1.92	-0.66	0.40	25th	16	6	0	0	0	15	12	5	0	2	2	5	6	9	2	0
*228	91	7.1	3.80	+0.86	0.66	25th	21	4	0	0	1	13	6	3	3	2	1	4	5	11	2	0
*220	90	7.2	3.53	-0.72	0.46	29th	25	8	0	0	2	17	14	1	3	4	3	8	8	2	0	2
*192	100	7.7	6.68	?	0.83	15th	28	9	3	0	0	21	0	2	3	4	2	2	13	5	0	0
*191	82	6.1	1.69	-0.53	0.19	30th, 31st	21	1	0	0	8	14	4	1	2	3	7	3	10	4	1	0
*227	89	7.8	4.19	+0.81	0.65	13th	20	8	1	0	0	15	7	0	1	4	1	8	9	6	2	0
*234	87	6.5	4.94	+1.19	0.61	11th	24	4	0	0	1	9	12	1	3	2	2	3	10	7	3	0
*240	95	7.5	2.14	-0.95	0.25	30th	22	6	2	0	0	14	5	3	0	4	1	1	9	10	3	0
*214	89	7.4	2.82	?	0.28	21st	23	7	6	1	5	21	18	1	1	0	4	12	7	6	0	0
*224	96	4.9	3.48	+0.50	0.53	15th	26	4	0	0	1	2	18	0	3	1	2	7	11	6	1	0
*224	84	7.9	7.28	?	0.76	16th	27	2	4	0	3	20	13	1	1	5	3	2	11	3	5	0
*198	88	6.1	3.66	+0.54	0.43	15th	24	8	2	0	10	18	4	0	0	1	8	4	12	0	0	6
*233	86	7.6	6.99	+0.30	1.00	8th	26	1	6	3	0	13	13	0	3	2	4	6	9	4	1	2
*234	90	7.5	6.06	+0.56	0.55	11th	23	6	0	1	0	17	12	3	1	2	1	3	7	11	3	0
*256	87	7.5	3.70	-0.03	0.53	10th	23	2	3	2	0	7	13	1	3	2	1	5	8	5	5	1
*221	84	7.7	5.37	+2.16	0.87	8th	26	5	4	0	2	18	4	2	2	1	6	4	7	5	4	0

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 1894.

NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.					BRIGHT SUNSHINE.			
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	from Difference 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.									
STOENOWAY	°	°	°	°	°	°	°	°	ins.	ins.	ins.	°	30.5	+ 3.5	% 14	+ 2	
LAIRG	29.6	40.2	34.9	- 1.3	8	7th	50	12th, 20th	25	3.33	- 0.17	0.50	26th	—	—	—	—
GLENCARRON	30.7	41.9	36.3	- 1.0	19	6th	55	11th	24	11.03	+ 0.98	1.75	26th	—	—	—	—
FORT AUGUSTUS	32.0	43.0	37.5	- 1.1	20	6th, 7th	53	11th	21	8.43	+ 3.80	1.53	26th	11.9	?	5	?
FORT WILLIAM	34.7	43.8	39.3	- 0.1	21	6th	56	13th	26	12.26	+ 2.33	1.75	25th	15.9	?	7	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	43.6	- 11.3	19	- 5
BRAEMAR	28.2	38.2	33.2	- 1.4	4	6th	46	11th, 16th, 24th, 25th.	24	6.27	+ 3.17	0.99	29th	22.5	?	10	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	40.1	?	17	?
OCHTERTYRE	29.3	41.5	35.4	- 1.2	2	6th	51	11th	23	6.62	+ 1.42	0.85	29th	—	—	—	—
MARCHMONT	29.9	40.5	35.2	- 1.2	6	7th	50	11th	21	2.79	+ 0.05	0.35	26th	44.5	?	19	?
ALNWICK CASTLE	32.2	40.7	36.5	- 1.2	10	6th	49	16th, 26th, 27th	24	2.65	+ 0.54	0.35	27th	—	—	—	—
DURHAM	30.9	41.3	36.1	- 0.7	6	7th	51	11th, 27th	21	1.06	- 0.98	0.14	8th	46.4	+ 4.0	20	+ 2
SCARBOROUGH	31.8	41.9	36.9	- 1.7	14	6th	51	27th	19	1.72	- 0.22	0.36	14th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	36.3	?	15	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	40.1	+ 14.5	17	+ 6
HILLINGTON	31.9	42.0	37.0	0.0	10	6th	51	17th, 27th	23	2.44	+ 0.53	0.42	14th	68.1	+ 25.6	28	+ 11
GELDESTON	31.4	42.7	37.1	- 1.1	9	6th	52	17th, 27th	17	1.41	- 0.17	0.21	31st	65.0	+ 11.9	26	+ 5
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	62.0	+ 14.8	25	+ 6
ROTHAMSTED	31.0	42.2	36.6	- 0.5	11	6th	52	12th	22	2.26	- 0.36	0.28	22nd	53.2	?	21	?
BAWTRY	32.5	42.9	37.7	+ 0.3	0	6th	53	27th	21	1.44	- 0.46	0.27	17th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	38.9	+ 3.5	16	+ 2
STAMFORD (KETTON HALL).	31.3	42.5	36.9	- 0.5	6	6th	53	11th, 17th	26	1.61	- 0.32	0.24	14th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	54.7	+ 22.1	22	+ 9
CHEADLE	31.8	41.3	36.6	0.0	10	6th	53	11th	24	2.45	- 0.24	0.31	16th	—	—	—	—
CHURCHSTOKE	32.7	42.5	37.6	- 0.3	10	6th	53	11th	22	3.19	+ 0.33	0.40	8th	51.6	+ 7.7	21	+ 3
HEREFORD	32.5	42.9	37.7	- 0.9	10	6th	52	11th, 17th, 27th	27	2.25	- 0.28	0.31	30th	—	—	—	—
CIRENCESTER	32.1	43.3	37.7	+ 0.2	9	6th	54	11th	19	2.18	- 0.99	0.33	19th	61.6	+ 17.1	25	+ 7
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	62.9	+ 21.6	25	+ 9
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	43.0	+ 18.6	17	+ 8
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	65.9	?	26	?
STRATHFIELD TURGISSE	32.2	42.8	37.5	- 0.3	13	5th	51	11th, 12th	26	3.13	+ 0.63	0.28	21st	—	—	—	—
HASTINGS	34.1	43.6	38.9	- 1.0	12	5th	50	21st, 30th	20	2.96	+ 0.09	0.35	15th, 25th	75.3	+ 19.2	29	+ 7
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	70.0	?	27	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	78.7	?	31	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	80.3	?	31	?
SOUTHAMPTON	35.0	44.6	39.8	+ 0.1	14	5th	55	11th	24	4.08	+ 0.74	0.50	25th	77.7	+ 32.2	30	+ 12
STOWELL	33.0	43.2	38.1	- 0.3	13	5th	53	11th	24	3.01	?	0.62	30th	—	—	—	—
LAUDALE	34.1	44.5	39.3	- 0.9	22	6th	53	11th, 13th	27	10.93	+ 1.93	1.60	15th	—	—	—	—
GLASGOW	33.5	42.2	37.9	- 0.5	16	7th	51	11th	21	4.33	+ 0.10	0.59	15th	19.6	- 0.4	8	- 1
GLENLEE	31.7	40.9	36.3	- 0.9	12	6th	49	11th, 12th	25	8.23	+ 0.36	0.96	19th	—	—	—	—
DOUGLAS	30.3	44.4	40.4	- 0.1	22	6th	50	10th, 11th	25	3.87	- 0.84	0.57	15th	56.1	+ 14.3	23	+ 6
STONYHURST	32.9	41.1	37.0	- 0.8	12	6th	51	11th	27	4.61	+ 0.43	0.59	30th	44.7	+ 13.5	18	+ 5
BLACKPOOL	34.1	43.4	38.8	+ 0.6	14	6th	51	12th, 27th, 28th	21	2.68	- 0.34	0.37	31st	39.6	+ 8.2	16	+ 3
MANCHESTER	33.0	42.5	37.8	0.0	14	6th	54	11th	22	2.90	- 0.34	0.43	17th	17.9	?	7	?
LLANDUDNO	36.1	46.1	41.1	- 0.4	15	6th	57	10th, 16th	23	3.02	+ 0.18	0.48	10th, 30th	69.6	+ 33.3	28	+ 13
LLANDOVERY	31.9	44.3	38.1	- 2.2	11	6th	59	19th	25	5.87	+ 0.49	0.86	10th	—	—	—	—
PEMBROKE	—	—	—	—	—	—	—	—	—	—	—	—	—	61.0	+ 11.6	24	+ 4
BRISTOL (MONTPELIER)	35.0	44.3	39.7	+ 0.5	11	5th	55	11th	24	3.05	?	0.32	19th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	77.7	?	31	?
ARLINGTON	33.4	43.8	38.6	- 0.8	14	5th	55	10th	24	4.49	+ 0.07	0.44	24th	—	—	—	—
CULLOMPTON	33.4	44.8	39.1	- 0.7	8	7th	55	17th	24	3.51	+ 0.08	0.44	30th	54.8	+ 18.6	21	+ 7
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	65.3	?	25	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	76.9	?	29	?
FALMOUTH	38.4	46.5	42.5	- 1.3	20	5th	53	10th, 11th	27	4.60	- 0.88	0.53	10th	67.8	+ 21.0	26	+ 8
PLYMOUTH	36.6	46.3	41.5	- 0.6	17	5th	54	10th, 27th	24	3.55	- 0.47	0.41	19th	61.8	+ 18.4	24	+ 7
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	72.5	?	27	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	79.8	+ 11.7	30	+ 5
LONDONDERRY	34.2	43.7	39.0	- 1.0	21	6th	53	11th	24	5.84	+ 1.80	0.54	19th	—	—	—	—
EDENFEL (OMAGH)	32.0	41.1	36.6	- 2.2	8	7th	50	10th	24	6.64	+ 3.11	0.72	26th	—	—	—	—
MARKEN CASTLE	32.2	43.9	38.1	- 1.5	15	6th	52	10th, 11th, 16th, 27th	26	5.92	+ 2.47	0.72	19th	39.4	- 2.8	16	- 1
BROOKEBOROUGH	33.4	43.6	38.5	+ 0.1	14	6th	52	11th	26	6.00	+ 1.58	0.77	27th	—	—	—	—
ARMAGH	33.4	43.1	38.3	- 0.6	6	6th	53	11th	23	4.58	+ 1.68	0.54	27th	47.8	+ 5.7	20	+ 3
EDGEWORTHSTOWN	31.5	42.9	37.2	- 1.7	5	6th	53	10th, 11th	21	4.03	+ 1.04	0.45	19th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	41.1	?	17	?
DUBLIN	36.0	46.0	41.0	- 0.7	19	7th	55	11th	23	2.84	+ 0.66	0.33	12th	69.8	+ 14.8	28	+ 6
PARSONSTOWN	—	—	—	—	—	—	—	—	—	—	—	—	—	49.3	- 0.9	20	0
KILKENNY CASTLE	33.0	44.4	38.7	- 2.4	7	7th	53	10th	24	3.97	+ 0.45	0.60	8th	—	—	—	—
WATERFORD	33.7	45.1	39.4	- 3.1	2	7th	52	10th	24	5.98	+ 1.37	1.30	10th	—	—	—	—
VALENCIA (CAHIR-CIVREN).	*	*	*	*	*	*	*	*	*	*	*	*	*	40.3	- 15.4	16	- 6
KILLARNEY	35.0	47.1	41.1	- 2.5	13	6th	55	16th	24	9.34	?	1.01	12th	—	—	—	—
FOYNES	+	+	+	+	+	+	+	+	25	5.10	?	0.64	31st	—	—	—	—

* For information see Table I.

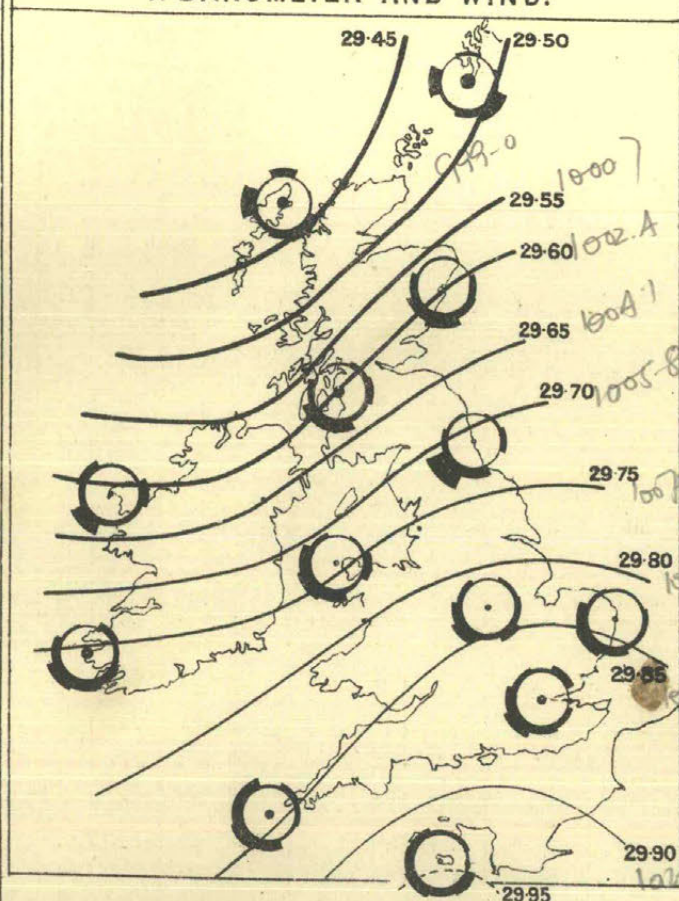
Observations incomplete.

MONTHLY WEATHER CHART, JANUARY, 1894.

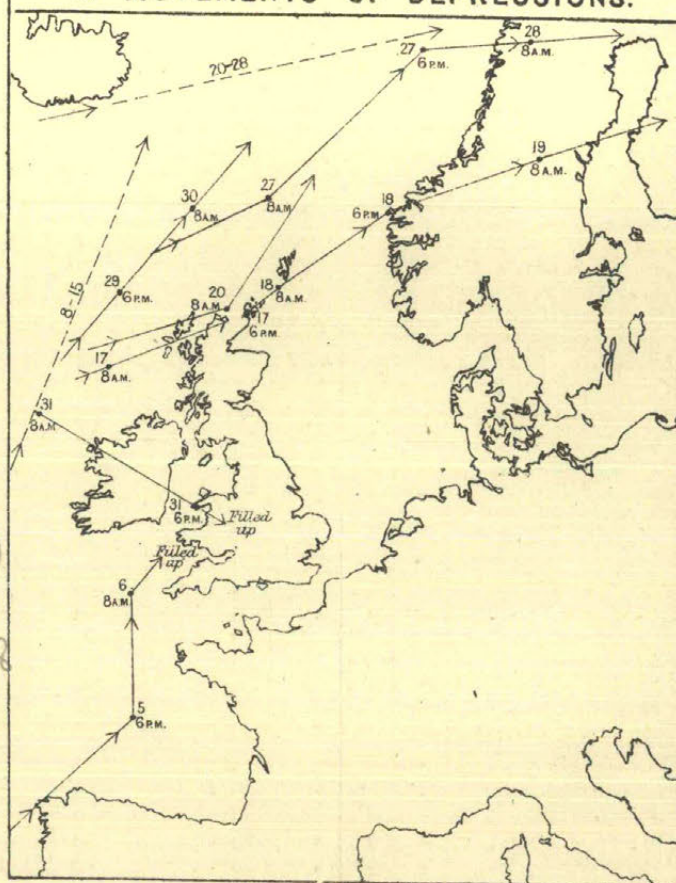
Monthly Summary.

Plate I.

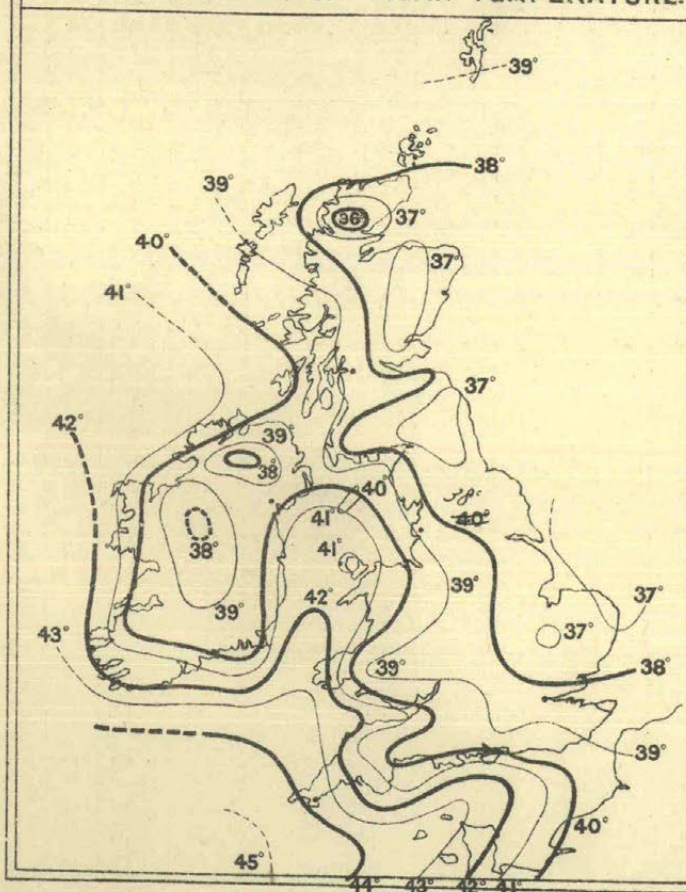
1. BAROMETER AND WIND.



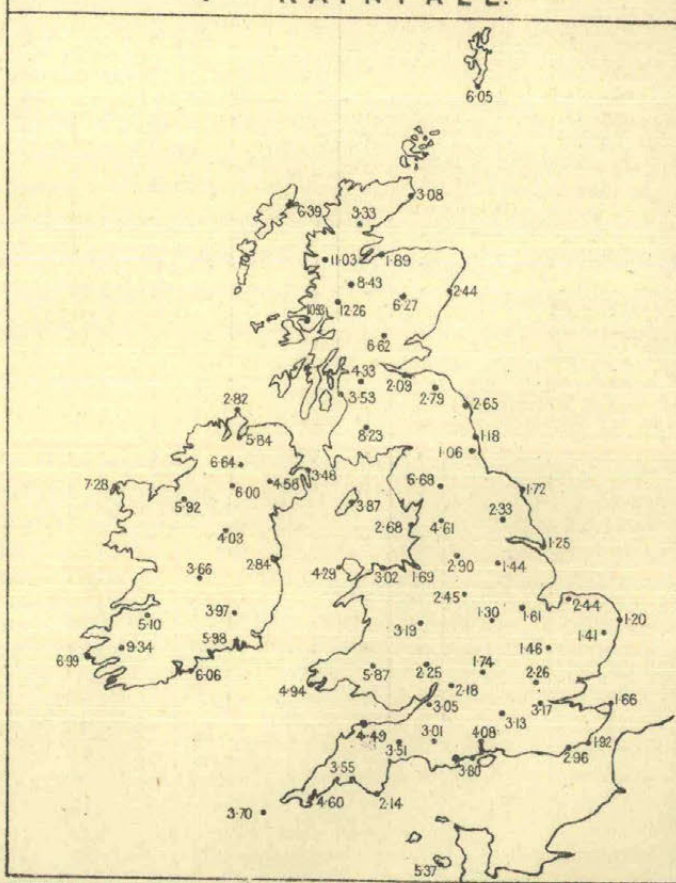
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



NOVEMBER 1914

NOVEMBER 1914



NOVEMBER 1914

ERRATUM.

WEEKLY WEATHER REPORT 1893.—MONTHLY SUMMARY for DECEMBER.

Bright Sunshine.—No. of hours recorded at MARGATE, for “80·7” read “50·7.”
Per-centage of possible duration, for “34” read “21.”

REPORT

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE

IN RESPONSE TO A RESOLUTION OF THE HOUSE OF REPRESENTATIVES

AND

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

FEBRUARY 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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, especially in the northern parts of the kingdom, where heavy falls of rain were experienced, with occasional snow or sleet. Thunder and lightning were observed on many occasions in the west and north, and brilliant aurora was seen on the 28th in nearly all parts of Great Britain. Pressure was above the average in the south, but considerably below it in the extreme north; temperature was in excess in all localities excepting the north and east of Scotland; the winds were Westerly or South-westerly; rainfall was greatly in excess of the normal in Scotland, but was in defect in the southern parts of the kingdom; and bright sunshine was abundant in all but the western districts.

Pressure.—*Mean at 8 a.m.* ranged from between 30·09 ins. and 30·16 ins. over the English Channel to a little below 29·45 ins. in the Shetlands, the values being in excess of the average,* over the southern parts of the kingdom, but considerably below it in the north. The gradient over our islands was therefore unusually steep, the difference in pressure between the extreme northern and southern districts being more than three times as great as that shown by the chart of average values. *Highest* readings were recorded between the 18th and 20th, when the barometer rose to 30·5 ins. and upwards over the eastern and central parts of England, and to 30·3 ins. and upwards in all but the extreme northern parts of the kingdom. *Lowest* readings occurred very generally on the night of the 11th, when the mercury fell to between 28·1 ins. and 28·5 ins. in Scotland, and to 29·0 ins. or less in all but the most southern parts of the United Kingdom. In the extreme north of Scotland readings below 28·5 ins. were again observed on the night of the 23rd. *Range* was moderate in the south, but large in Scotland, and especially so in the extreme north, where it exceeded two inches.

Depressions.—The depressions observed off our northern coasts were very numerous, but in only three instances did the centres pass sufficiently near our islands for their tracks to be shown on Map 2, Plate II. The disturbances of the 11th and the 23rd were of great depth, and produced barometrical changes of unusual abruptness over Scotland. Between the 14th and 17th a large but shallow "V-shaped" depression advanced slowly over our islands from the westward, the southern portion of the system ultimately becoming detached and travelling south-eastward across the Channel to the west of France.

Anticyclones.—On two occasions during the earlier part of the month, viz., between the 1st and 5th and between the 12th and 14th, an anticyclone spread temporarily over our islands from the southward, the system in the latter instance assuming the form of a long ridge which finally drifted away to the eastward. After the 17th a large high pressure area advanced from Scandinavia, and remained over our islands until the 22nd, when it moved away to the south-eastward.

Winds were chiefly Westerly or South-westerly, with frequent gales, especially on our western and northern coasts. At Malin Head gale force was reached on 16 days, at Stornoway on 17 days, and at Aberdeen on as many as 19 days. At a large majority of the coast stations there were no calms reported.

Temperature.—*Mean at Sea Level* ranged from between 46° and 47° on our extreme south-west coasts to about 40° on the east coasts of England and to between 36° and 39° over the northern parts of Scotland. The general distribution showed a fair agreement with the normal, but the actual values were above the average* in all localities excepting the north and east of Scotland, the excess amounting to 2° or more at several stations in Ireland and the south of England. *Highest* readings occurred mostly on the 6th or 7th, but in some few cases a second maximum was reported on the 26th or 27th. *Lowest* readings were observed on various dates in different localities, but mainly between the 13th and 15th in Scotland, and between the 20th and 23rd in Ireland and England. On the 15th hard frost occurred in the north of Scotland, the thermometer falling to 3° at Lairg, 4° at Braemar, and 10° at Nairn. *Range* was moderate generally, but amounted to as many as 49° at Lairg and 45° at Braemar. *Vapour Tension* ranged from about 0·28 in. on our extreme south-west coasts to a little below 0·18 in. in the east of Scotland. *Relative Humidity* was below 80 per cent. in the east of Scotland and below 90 per cent. in most other parts of the kingdom; at Stornoway, however, the per-centage was as high as 97.

Rainfall amounted to less than the average* in the south of Ireland and also at many stations in the east and south of England, but was in excess of the normal in nearly all other localities. In many parts of Scotland the total fall amounted to more than double, and at Leith and Fort Augustus to more than three times the average. The largest aggregates reported during the month were 14·9 ins. at Glencarron, 14·5 ins. at Fort William, and 12·7 ins. at Glenlee; while the smallest were 1·0 in. at the North Foreland, 1·1 ins. at Yarmouth and Cambridge, and 1·2 ins. at Geldeston. Falls exceeding an inch in 24 hours were recorded at many stations, the largest being 2·6 ins. at Fort Augustus and 1·9 ins. at Fort William on the 6th, and 1·9 ins. at Glencarron on the 11th.

Bright Sunshine was in excess of the average* in all districts excepting the west of Scotland, the north-west of England, and the south of Ireland, the excess being considerable in the east and south-east of England. The per-centage of the possible amount was above 30 at many of the English stations, and as high as 37 at Geldeston, Hastings, and Eastbourne. In the north and west of Scotland, however, the per-centages were below 20, the smallest of all being 8 at Fort Augustus and Fort William.

* 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 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°44.2	ins. -0°33.3	38°6	35°8	42°1	38°9	+0°4	29	14th, 15th	49	6th
	Wick	29°52.6	-27.8	37°3	33°1	41°8	37°5	-0°7	25	14th, 15th	50	2nd
	Stornoway	29°51.7	-25.6	39°1	33°5	43°6	38°6	-0°5	22	15th	51	2nd, 4th, 6th
1. SCOTLAND, E.	Nairn	29°59.8	-21.6	37°5	31°9	44°3	38°1	-0°3	10	15th	54	4th
	Aberdeen	29°68.8	-16.0	37°6	33°8	44°4	39°1	+0°6	20	15th	54	6th
	Leith	29°74.3	-12.7	39°3	33°7	46°1	39°9	-0°1	26	15th	55	6th
2. ENGLAND, N.E.	Shields	29°82.7	-0.99	39°0	34°1	46°5	40°3	+0°8	25	19th	57	7th
	York	29°91.3	-0.26	37°6	33°4	46°3	39°9	+0°6	17	21st	56	6th, 7th
	Spurn Head	29°91.7	-0.17	39°3	35°5	45°0	40°3	+1°2	29	20th, 23rd	55	7th
3. ENGLAND, E.	Yarmouth	29°98.2	+0.18	39°4	34°0	45°3	39°7	+1°1	25	23rd	57	7th
	Cambridge	30°03.1	+0.52	38°0	32°4	48°4	40°4	+1°2	19	20th	57	7th
4. MIDLAND COUNTIES	Loughborough	29°99.1	+0.28	37°3	33°2	48°4	40°8	+1°2	16	21st	59	7th
	Oxford	30°05.4	+0.69	38°9	35°3	47°5	41°4	+1°4	23	19th, 20th, 21st, 22nd.	54	6th, 7th
5. ENGLAND, S.	London	30°06.1	+0.72	39°9	35°1	47°6	41°4	+0°9	21	21st, 22nd	55	7th, 11th, 27th
	North Foreland	30°05.5	+0.75	41°3	36°5	46°1	41°3	+1°1	28	23rd	54	27th
	Dungeness	30°06.2	+0.77	41°0	36°3	46°1	41°2	+0°9	25	23rd	54	8th
	Hurst Castle	30°09.2	+1.06	42°1	39°5	47°5	43°5	+2°3	29	22nd	53	11th, 25th
6. SCOTLAND, W.	Ardrossan	29°76.3	-1.10	41°1	36°9	44°7	40°8	+0°3	27	14th, 15th	52	7th
7. ENGLAND N.W.	Hawes Junction*	28°61.6	?	34°0	29°3	40°6	35°0	?	17	15th, 19th	50	6th, 7th
	Liverpool	29°93.4	+0.00	41°3	37°4	47°4	42°4	+2°0	25	19th	54	7th, 26th
	Holyhead	29°91.8	+0.04	43°0	39°1	47°3	43°2	+1°1	31	19th, 20th	50	1st, 7th, 10th, 25th, 26th.
8. ENGLAND, S.W.	Pembroke	30°01.6	+0.09	44°0	40°6	46°8	43°7	+1°2	27	1st	51	7th
	Prawle Point	30°10.0	+1.07	43°3	39°3	47°9	43°6	+1°1	30	21st, 22nd	54	13th
9. IRELAND, N.	Malin Head	29°71.3	-1.37	42°1	38°3	47°1	42°7	+0°3	32	1st	52	6th
	Donaghadee	29°82.6	-0.58	41°5	36°5	48°3	42°4	+1°2	25	22nd	56	7th
	Belmullet	29°80.9	-0.41	45°2	39°9	49°0	44°5	+2°2	35	1st, 12th	53	7th
10. IRELAND, S.	Parsonstown	29°91.6	+0.10	41°8	36°9	50°3	43°6	+2°3	29	18th	55	7th, 26th, 27th
	Valencia (Cahiriveen)	29°97.8	+0.59	46°3	42°2	51°4	46°8	+1°6	33	22nd	56	26th
	Roche's Point	30°00.3	+0.87	45°1	40°8	50°1	45°5	+1°5	34	21st	55	7th, 25th
CHANNEL ISLANDS	Scilly	30°09.4	+1.35	47°1	43°4	50°3	46°9	+1°0	37	1st, 21st, 22nd	55	26th
	Jersey	30°16.1	+1.54	45°0	40°9	49°2	45°1	+2°0	27	21st	53	26th

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

SUMMARY OF OBSERVATIONS, FEBRUARY 1894.

vii

REPORTING STATIONS in the BRITISH ISLANDS during the Month of FEBRUARY 1894.

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.	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.	8th	23	8	2	0	0	19	11	1	1	0	2	4	3	11	6	0
0.198	85	8.5	4.59	+1.40	0.50	8th	23	8	2	0	0	19	11	1	1	0	2	4	3	11	6	0
197	89	7.0	3.63	+1.59	1.15	11th	22	5	0	0	2	12	10	0	0	0	0	6	4	9	9	0
233	97	8.8	7.93	+4.07	0.85	11th	27	9	1	0	0	20	17	3	0	0	0	3	6	8	6	2
188	84	6.4	4.57	+3.09	1.02	11th	25	9	0	0	0	9	3	0	0	0	1	0	14	8	1	4
175	77	5.9	2.64	+0.29	0.58	16th	18	8	0	0	0	7	19	0	0	0	3	7	13	4	1	0
209	88	7.4	5.32	+3.87	0.94	11th	21	2	0	0	2	17	2	0	0	1	2	2	12	9	1	1
205	86	6.8	2.58	+1.08	0.96	16th	13	2	1	0	2	8	7	0	0	0	3	5	14	5	1	0
199	89	5.8	3.08	+1.38	0.81	17th	15	3	0	0	9	10	0	1	0	4	2	7	3	9	1	1
206	86	6.6	1.73	+0.37	0.42	10th	14	4	0	0	2	10	6	0	0	1	1	8	8	7	3	0
214	89	5.4	1.14	-0.68	0.27	25th	14	2	1	0	4	2	7	0	0	3	3	1	9	11	1	0
201	88	6.1	1.14	-0.32	0.27	17th	13	0	1	0	6	14	9	0	0	5	1	6	9	6	1	0
192	87	6.6	2.20	+0.42	0.92	17th	16	1	2	0	4	11	11	1	0	2	6	2	5	9	1	2
210	89	6.7	1.60	-0.32	0.81	17th	16	0	0	0	10	17	1	0	2	1	2	3	12	5	0	3
208	85	7.0	1.72	-0.01	0.42	17th	16	1	1	0	7	16	7	1	2	1	1	6	9	8	0	0
220	85	6.4	0.95	?	0.21	28th	11	0	0	0	7	14	2	0	0	4	2	1	7	11	3	0
233	91	6.4	1.40	-0.55	0.35	28th	17	0	1	0	4	11	10	1	0	4	2	1	2	11	6	1
236	88	8.3	2.26	+0.01	0.84	17th	13	0	1	0	0	17	2	0	2	3	2	1	8	7	5	0
236	92	8.0	6.00	+2.96	1.27	16th	26	5	5	1	2	17	13	1	3	2	1	9	6	5	1	0
194	99	8.2	8.36	?	1.03	16th	23	6	1	0	0	20	1	1	0	3	6	3	12	3	0	0
217	84	6.9	3.17	+1.48	0.82	16th	21	0	0	0	6	15	8	0	0	2	6	3	8	7	1	1
234	84	7.8	2.58	-0.02	0.42	16th	19	0	2	0	0	13	13	1	0	1	0	4	13	6	1	2
267	93	6.8	2.43	-0.39	0.42	16th, 23rd	21	0	0	0	2	13	15	0	2	2	3	2	8	8	1	0
246	88	8.2	2.27	+0.25	0.44	17th	17	2	1	1	0	15	8	3	2	3	0	0	8	9	3	0
240	90	8.6	4.20	?	0.58	25th	24	1	8	3	0	22	16	0	0	0	2	8	10	5	3	0
245	94	6.5	2.85	+0.43	0.49	10th	19	0	0	0	0	7	10	0	0	0	3	3	11	10	1	0
260	87	7.9	6.02	?	0.94	10th	26	1	1	0	0	16	9	2	0	0	2	3	13	5	3	0
233	88	8.1	3.34	+1.14	0.55	10th	17	4	3	1	3	19	3	0	0	0	4	3	13	1	1	6
281	90	8.4	3.60	-1.35	0.62	28th	23	0	2	0	0	18	12	0	2	1	3	5	10	4	2	1
274	91	7.3	2.49	-1.94	0.60	23rd	22	1	0	0	0	12	6	3	2	0	0	4	4	13	2	0
279	86	7.5	1.26	-1.45	0.33	17th	16	0	2	0	0	8	7	2	1	3	0	4	7	6	5	0
247	83	7.6	1.86	-0.69	0.39	2nd	18	2	1	0	3	17	5	0	3	2	1	2	7	10	3	0

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 1894.

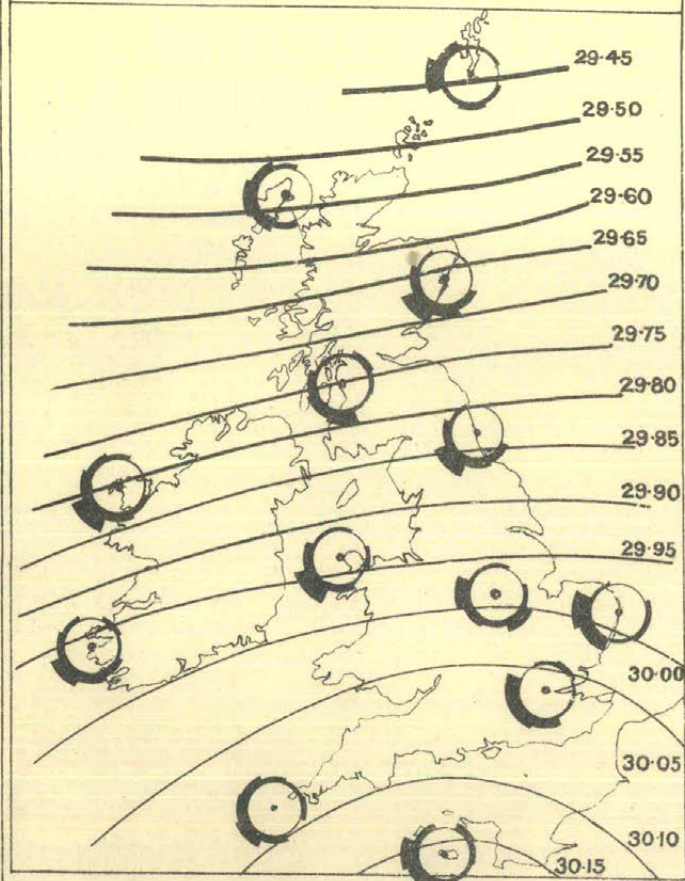
STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	*	°	*	ins.	ins.	ins.	*	42.1	-18.3	16	-7	
LAIRG	30.4	40.3	35.4	-1.3	3	15th	52	4th, 6th	24	4.35	+1.37	0.68	11th	—	—	—	—
GLENCARRON	31.8	42.4	37.1	-0.4	14	14th	49	6th	26	14.93	+8.18	1.85	11th	—	—	—	—
FORT AUGUSTUS	32.8	44.2	38.5	-0.1	15	14th	52	6th	26	11.91	+8.18	2.55	6th	21.4	?	8	?
FORT WILLIAM	36.0	45.1	40.6	+1.4	21	14th	55	2nd	26	14.47	+6.52	1.90	6th	20.6	?	8	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	91.6	+22.1	35	+8
BRAEMAR	29.3	39.6	34.5	-0.8	4	15th	49	6th, 7th	23	5.68	+2.73	0.85	28th	59.3	?	23	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	53.4	?	20	?
OCHTERTYRE	32.0	44.3	38.2	+0.9	22	13th	52	6th	22	8.79	+5.05	1.75	16th	—	—	—	—
MARCHMONT	31.9	43.5	37.7	+0.2	25	14th, 15th, 19th	53	7th	18	5.98	+3.66	1.07	16th	61.5	?	23	?
ALNWICK CASTLE	35.0	43.7	39.4	+0.9	24	14th	52	6th, 7th	21	4.56	+2.47	1.45	16th	—	—	—	—
DURHAM	32.2	45.5	38.9	+0.7	20	20th	55	2nd, 7th, 26th	14	2.05	+0.45	0.93	16th	76.2	+15.6	29	+6
SCARBOROUGH	34.0	45.2	39.6	+0.1	25	20th	55	6th, 7th	14	2.55	+0.84	0.69	16th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	75.0	?	28	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	71.7	+18.1	27	+7
HILLINGTON	33.0	46.9	40.0	+1.2	21	20th, 23rd	57	7th	15	1.34	-0.46	0.33	25th	96.1	+30.6	36	+12
GELDESTON	33.4	47.1	40.3	+1.0	20	22nd	57	7th	13	1.20	-0.37	0.31	25th	101.5	+32.1	37	+12
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	97.5	+34.5	36	+13
ROTHAMSTED	33.9	46.1	40.0	+1.4	20	22nd	55	7th, 27th	16	1.87	-0.19	0.49	17th	97.1	?	36	?
BAWTRY	?	46.8	?	?	?	?	59	7th	15	2.72	+1.16	1.13	17th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	69.5	+13.4	26	+5
STAMFORD (KETTON HALL).	32.1	47.5	39.8	0.0	16	20th	58	7th	16	1.94	+0.22	0.78	17th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	78.6	+26.5	29	+10
CHEADLE	33.0	46.1	39.6	+1.7	16	21st	55	26th	19	2.86	+0.39	0.69	17th	—	—	—	—
CHURCHSTOKE	34.6	47.6	41.1	+2.0	20	20th	56	26th	18	2.65	+0.13	0.54	16th	80.4	+19.0	30	+7
HEREFORD	35.1	48.0	41.6	+1.4	21	20th, 21st	59	7th	15	2.21	+0.12	0.83	17th	—	—	—	—
CIRENCESTER	34.1	46.3	40.2	+1.5	20	21st	52	6th, 7th, 26th	16	2.35	-0.15	1.18	17th	83.8	+15.8	31	+6
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	91.2	+29.6	33	+11
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	64.8	+25.9	24	+10
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	95.8	?	35	?
STRATHFIELD TURGISSE	34.2	47.5	40.9	+1.1	20	21st	57	2nd	18	2.06	+0.07	0.67	17th	—	—	—	—
HASTINGS	36.2	46.5	41.4	+0.8	27	20th	52	8th	16	2.69	+0.65	0.34	25th	102.3	+24.6	37	+9
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	102.0	?	37	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	97.2	?	35	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	89.5	?	33	?
SOUTHAMPTON	37.0	49.3	43.2	+2.0	25	19th, 21st, 22nd	57	27th	16	2.23	-0.29	0.50	17th	89.6	+22.6	33	+9
STOWELL	35.5	47.2	41.4	+2.0	23	19th, 21st, 22nd	54	26th	17	2.96	?	1.41	17th	—	—	—	—
LAUDALE	35.6	45.9	40.8	+0.5	23	14th	53	2nd, 6th, 7th	25	9.81	+2.47	1.24	28th	—	—	—	—
GLASGOW	35.6	44.2	39.9	+0.7	27	14th	52	7th	25	9.18	+5.84	1.45	16th	30.4	-15.4	12	-5
GLENLEE	34.5	42.8	38.7	+0.4	20	14th	52	26th, 27th	25	12.66	+7.84	1.72	16th	—	—	—	—
DOUGLAS	38.6	47.0	42.8	+1.9	31	14th, 21st, 22nd	54	7th	21	5.63	+2.20	1.16	16th	63.6	-5.0	24	-1
STONYHURST	34.7	44.7	39.7	+0.6	22	20th	52	7th	23	6.79	+3.36	1.54	16th	48.5	-9.5	18	-4
BLACKPOOL	35.4	46.5	41.0	+1.4	25	20th, 22nd	57	6th, 7th	21	4.18	+1.91	0.93	16th	54.8	-4.8	21	-1
MANCHESTER	35.5	47.1	41.3	+2.4	25	19th	55	7th	21	5.30	+3.13	0.92	16th	31.6	?	12	?
LLANDUDNO	39.2	49.1	44.2	+2.3	29	19th	56	7th	19	3.13	+0.95	0.57	16th	73.0	+8.6	27	+3
LLANDOVERY	34.0	48.1	41.1	-0.4	21	21st	53	16th	21	6.62	+2.56	0.84	23rd	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	81.9	+8.0	30	+3
BRISTOL (MONTPELIER)	37.8	48.2	43.0	+2.6	24	21st	54	6th, 7th, 26th	18	4.01	?	1.34	17th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	90.0	?	33	?
ARLINGTON	35.8	46.6	41.2	+1.0	21	21st	50	6th, 7th, 26th	22	5.17	+1.07	0.84	23rd	—	—	—	—
CULLOMPTON	36.4	49.2	42.8	+2.0	22	23rd	56	26th	17	2.60	-0.35	0.59	17th	81.3	+18.2	30	+7
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	89.2	?	32	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	85.1	?	31	?
FALMOUTH	41.3	48.9	45.1	+1.0	31	21st, 23rd	53	26th	18	3.43	-0.63	0.58	16th	91.2	+15.1	33	+6
PLYMOUTH	39.2	48.8	44.0	+1.1	27	21st, 23rd	58	27th	16	2.62	-0.36	0.61	17th	81.5	+6.9	29	+2
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	94.3	?	34	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	93.6	+6.5	33	+2
LONDONERRY	36.3	48.1	42.2	+1.0	29	12th	54	6th, 7th	24	5.93	+3.09	1.16	16th	—	—	—	—
EDENFEL (OMAGH)	35.0	47.5	41.3	+1.3	27	1st	54	6th, 7th	22	5.18	+2.69	1.12	16th	—	—	—	—
MARKREE CASTLE	35.9	49.2	42.6	+1.9	27	18th	56	6th, 7th	27	5.67	+2.90	0.88	16th	62.2	+2.8	23	+1
BROOKEBOROUGH	35.8	47.9	41.9	+2.2	24	13th	55	7th	25	5.03	+1.91	1.03	16th	—	—	—	—
ARMAGH	36.4	48.1	42.3	+2.2	29	1st	54	6th, 7th, 25th, 26th	19	3.61	+1.30	0.89	16th	61.8	+1.4	23	+1
EDGEWORTHSTOWN	35.5	48.2	41.9	+2.0	27	13th, 18th	53	6th, 7th, 26th	20	3.88	+1.08	1.05	16th	—	—	—	—
ARLEY COTTAGE (Co. CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	61.8	?	23	?
DUBLIN	39.4	50.4	44.9	+2.4	32	1st, 20th, 21st	59	7th	16	1.90	-0.21	0.36	16th	79.0	+10.5	29	+4
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	64.8	-1.9	24	-1
KILKENNY CASTLE	36.2	50.0	43.1	+0.8	25	21st	57	7th, 26th	21	2.14	-0.57	0.35	23rd	—	—	—	—
WATERFORD	37.5	49.5	43.5	0.0	24	21st	54	7th	19	2.43	-1.11	0.48	27th	—	—	—	—
VALENCIA (CAHIR-CIVIL).	*	*	*	*	*	*	*	*	*	*	*	*	*	65.3	-7.9	24	-3
KILLARNEY	39.6	52.3	46.0	+1.6	28	22nd	60	7th	24	5.78	?	1.51	28th	—	—	—	—
FOYNES	40.5	50.7	45.6	+2.3	33	21st, 22nd	56	7th	20	3.43	?	0.62	28th	—	—	—	—

MONTHLY WEATHER CHART, FEBRUARY, 1894.

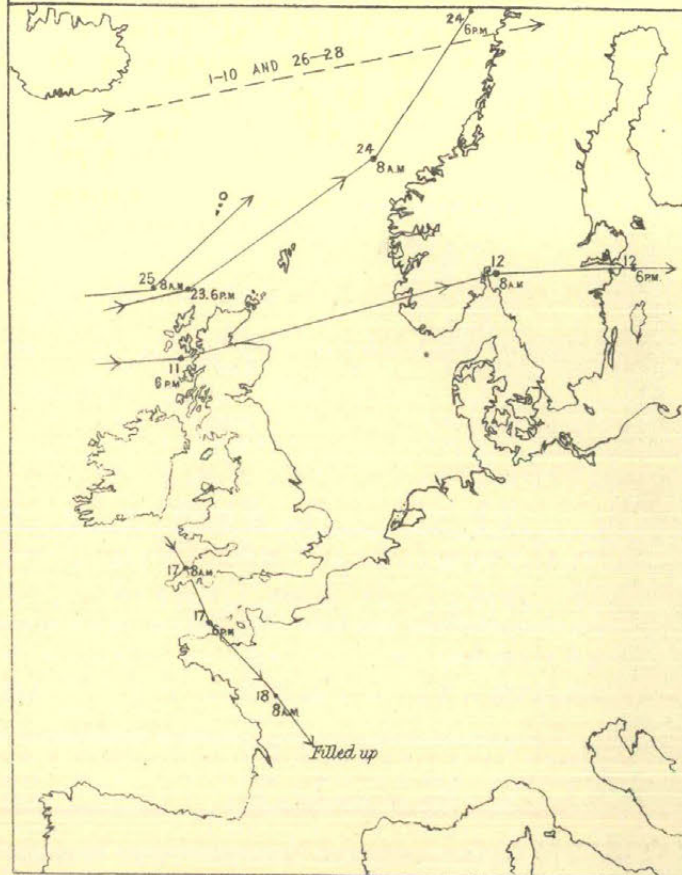
Monthly Summary.

Plate II.

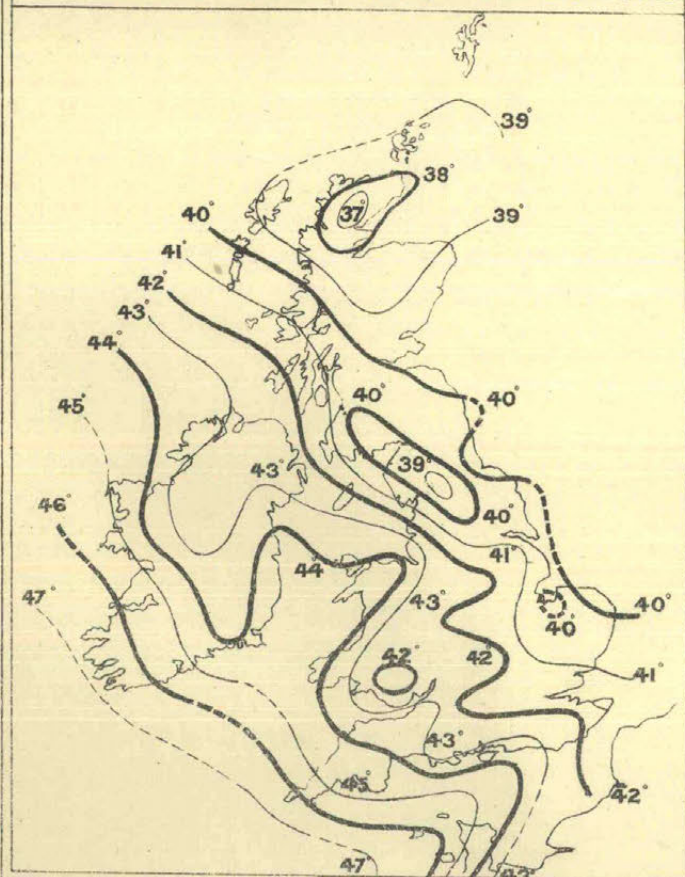
1. BAROMETER AND WIND.



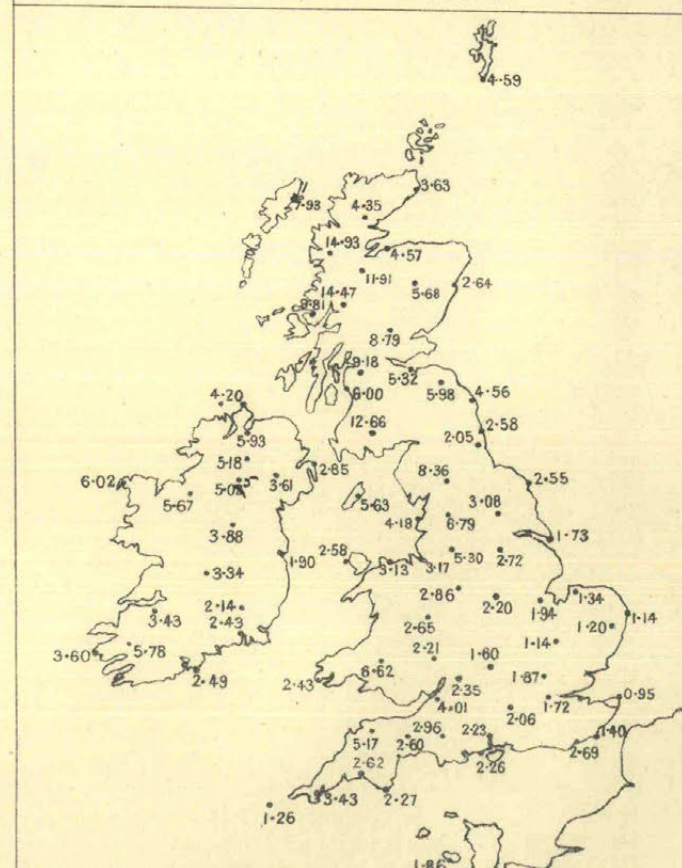
2. MOVEMENTS OF DEPRESSIONS.



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 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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 earlier half of March was very rough and unsettled, especially in the north, where heavy rains were experienced, with snow or sleet at times, and with frequent thunder and lightning in the west of Scotland and the north of Ireland. During the latter part of the month the weather was mostly fine and dry, but with mist or fog in the nights and early mornings. Bright aurora was seen very generally on the night of the 30th. Pressure was low in the north, but slightly above the average in the central and southern districts; temperature showed an excess in nearly all places; the winds were chiefly Westerly or South-westerly; rainfall was deficient, excepting in the west of Scotland; and bright sunshine was unusually abundant over the entire kingdom.

Pressure.—*Mean at 8 a.m.* ranged from 30·0 ins. and upwards over the English Channel to about 29·6 ins. in the Shetlands. In the central and southern parts of England the values were slightly above the average,* but elsewhere they were below it, and as the deficiency was greatest (0·15 inch or more) in the north of Scotland, the gradient over our islands was much steeper than usual. The difference between the mean pressure in the Shetlands and in the Channel Islands was in fact twice as great as that shown by the chart of average values. *Highest* readings were recorded on the 23rd, when the barometer rose to 30·5 ins. or more in the north and east of England, and to 30·3 ins. or more in all other parts of the kingdom. *Lowest* readings were observed in the northern districts on the 11th, when the mercury fell below 28·2 ins. in Caithness and the Shetlands, and below 29·0 ins. over Scotland generally. In the central and southern parts of England the lowest pressures occurred on the night of the 12th, when the barometer fell to between 28·9 ins. and 29·2 ins. *Range* was moderate at the southern stations, but large in the north.

Depressions.—During the early part of the month several large depressions advanced to our northern coasts from the westward and passed on to Scandinavia, the most important systems being those of the 2nd and the 11th. On the 6th one of these disturbances changed its course and travelled south-eastwards across the North Sea to North Germany and Russia, while on the 12th and 13th a well-marked secondary depression moved north-eastwards across England and the North Sea. After the middle of the period no depressions of any consequence were reported in the neighbourhood of our islands.

Anticyclones.—The only anticyclone observed during the earlier half of the month was a system of moderate intensity which spread over our western coasts on the 4th, and which moved away shortly afterwards to the southward. On the 17th, however, a larger and more important system advanced from the Atlantic and remained over Western Europe until very nearly the close of the month, its central area being situated for the most part to the eastward or north-eastward of our islands.

Winds.—The prevailing winds were Westerly or South-westerly, excepting in the extreme southern districts, where the Easterly current was equally well represented. During the earlier half of the period gales were frequent, especially in the west and north, but in the latter fortnight the northern districts experienced a large amount of absolutely calm weather.

Temperature.—*Mean at sea level* ranged from 48° and upwards in the south-west of Ireland and the Scilly and Channel Islands to 43° or less on the east coasts of Great Britain, and to 41° or less over the inland parts of the north of Scotland. The general distribution showed a fair agreement with the normal, but the actual values were everywhere above the average,* the excess varying between three and four degrees in many parts of Great Britain. *Highest* readings were observed mainly on the 23rd and 24th in the north and east of Scotland, but between the 27th and 31st in nearly all other districts, the thermometer exceeding 65° at most stations, and reaching 72° at Manchester and 70° at Cambridge. *Lowest* readings were recorded mostly between the 16th and 18th, but in some parts of England equally low temperatures were observed on the 27th. *Range* was large over the inland portions of Great Britain; at Bawtry, Loughborough, and Manchester it amounted to 45°. *Vapour Tension* ranged from 0·28 inch or more on our extreme south-west coasts to 0·22 inch and less over central Ireland and most of the eastern and central parts of Great Britain. *Relative Humidity* varied from 80 per cent. at Aberdeen, Liverpool, Belmullet, and Jersey to 94 per cent. at Donaghadee and 96 per cent. at Stornoway.

Rainfall was confined almost exclusively to the earlier half of the month, and showed a deficiency in most places, the only localities with an excess being the west of Scotland and a few isolated stations in England, Wales, and the north of Ireland. The largest aggregates for the month were 9·4 ins. at Glencarron, 8·4 ins. at Fort William, and 7·2 ins. at Laudale; while the smallest were 0·5 in. at Bawtry and the North Foreland, and 0·6 in. at Shields and Geldeston. Amounts exceeding an inch in 24 hours were recorded at several stations in the western parts of Great Britain, the largest falls being 1·6 ins. at Glencarron on the 5th, and 1·3 ins. at Fort William on the 7th and Laudale on the 10th.

Bright Sunshine was largely in excess of the average* over nearly the whole kingdom. More than 50 per cent. of the possible amount was recorded over a considerable portion of Great Britain, as well as at Dublin, the highest values of all being 60 per cent. at Tenby and 59 per cent. at Guernsey. The lowest percentages were 32 at Fort Augustus, 33 at Manchester, and 36 at Fort William.

* 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 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°604	in. -0°147	41°7	37°9	46°9	42°4	+4°1	31	17th	55	23rd, 24th
	Wick	29°637	-°156	40°0	34°5	49°3	41°9	+2°5	29	15th, 17th	62	23rd
	Stornoway	29°621	-°157	40°9	35°5	47°9	41°7	+2°0	30	4th, 15th, 16th	57	24th
1. SCOTLAND, E.	Nairn	29°682	-°128	39°7	33°4	50°7	42°1	+2°3	28	27th	64	23rd
	Aberdeen	29°743	-°082	41°1	34°9	50°5	42°7	+2°8	29	17th	63	18th
	Leith	29°784	-°069	40°1	34°4	51°6	43°0	+1°7	28	17th	66	30th
2. ENGLAND, N.E.	Shields	29°842	-°038	40°1	34°2	51°2	42°7	+2°1	28	17th	62	29th
	York	29°901	-°007	39°0	33°9	54°0	44°0	+2°9	27	17th	67	27th
	Spurn Head	29°897	+°001	41°0	36°9	47°2	42°1	+1°4	34	16th, 17th, 23rd	54	31st
3. ENGLAND, E.	Yarmouth	29°937	+°017	41°6	36°7	47°4	42°1	+2°0	32	5th	53	11th, 31st
	Cambridge	29°976	+°035	39°3	33°0	56°2	44°6	+3°0	26	27th	70	30th
4. MIDLAND COUNTIES	Loughborough	29°952	+°020	37°7	32°6	54°6	43°6	+1°7	23	17th	68	26th, 30th
	Oxford	29°986	+°035	39°9	35°4	53°6	44°5	+2°5	29	3rd	65	27th
5. ENGLAND, S.	London	29°984	+°034	41°4	35°8	53°8	44°8	+2°1	27	17th	66	30th, 31st
	North Foreland	29°978	+°048	44°7	39°5	49°7	44°6	+3°4	34	18th	63	31st
	Dungeness	29°974	+°036	43°7	38°6	50°2	44°4	+2°7	29	18th	59	30th, 31st
	Hurst Castle	29°996	+°042	43°8	41°5	52°0	46°8	+4°3	34	18th, 19th	60	27th
6. SCOTLAND, W.	Ardrossan	29°795	-°070	43°0	38°0	50°1	44°1	+2°8	30	1st	61	23rd
7. ENGLAND, N.W.	Hawes Junction*	28°622	?	36°4	31°3	48°0	39°7	?	24	17th	62	26th
	Liverpool	29°912	+°001	42°8	38°4	52°3	45°4	+3°5	34	23rd	65	27th, 30th
	Holyhead	29°887	-°020	45°2	40°3	51°9	46°1	+3°0	35	17th	67	30th
8. ENGLAND, S.W.	Pembroke	29°947	+°018	45°3	41°7	49°2	45°5	+2°6	37	1st, 16th, 17th	57	27th
	Prawle Point	29°991	+°026	45°5	40°3	50°5	45°4	+2°5	35	5th, 16th, 17th	59	27th
9. IRELAND, N.	Malin Head	29°758	-°107	43°1	40°1	50°0	45°1	+2°5	35	11th, 12th, 13th, 16th, 17th	62	28th, 29th
	Donaghadee	29°847	-°035	41°5	38°7	50°2	44°5	+2°3	34	17th	61	29th
	Belmullet	29°818	-°057	45°7	40°4	51°7	46°1	+1°2	30	11th	64	27th, 28th
10. IRELAND, S.	Parsonstown	29°891	-°034	39°9	35°9	53°2	44°6	+2°2	31	16th	66	28th
	Valencia (Cahiriveen)	29°908	-°017	46°7	43°8	53°3	48°6	+2°9	37	16th, 17th	64	26th, 28th
	Roche's Point	29°932	+°005	45°5	41°2	51°3	46°3	+1°6	37	4th, 7th	57	31st
CHANNEL ISLANDS	Scilly (St. Mary's)	29°976	+°029	48°0	44°3	51°7	48°0	+2°0	40	13th	56	31st
	Jersey	30°026	+°065	47°1	41°4	54°3	47°9	+3°2	34	3rd, 18th, 19th	66	27th

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

SUMMARY OF OBSERVATIONS, MARCH 1894.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of MARCH 1894.

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.	5th, 9th																
0.230	88	6.9	2.78	-0.01	0.42	5th, 9th	17	0	0	0	0	8	5	3	0	0	4	4	5	6	2	7
215	87	5.5	1.39	-0.63	0.32	5th	15	2	0	0	8	9	5	1	0	0	3	9	7	4	6	1
245	96	7.5	3.97	+0.18	1.21	10th	20	6	1	0	0	15	8	2	0	0	0	3	10	3	5	8
206	84	4.9	1.63	-0.05	0.29	11th	11	2	0	0	5	5	0	0	0	1	1	2	8	7	1	11
207	80	4.6	0.71	-1.62	0.29	7th	10	1	1	0	2	4	9	0	1	0	1	9	8	10	2	0
210	85	5.9	1.20	-0.21	0.30	1st	13	2	0	0	5	11	0	0	2	4	1	0	11	7	1	5
216	87	6.4	0.64	-1.11	0.36	12th	9	2	2	0	5	11	4	1	0	0	1	6	10	7	2	4
209	88	5.5	1.24	-0.49	0.54	12th	12	0	0	0	12	13	0	3	1	2	1	7	3	8	4	2
227	89	5.2	0.74	-0.48	0.16	1st	12	1	0	0	8	10	2	2	2	2	2	3	9	5	6	0
235	90	4.7	0.75	-1.07	0.14	11th	14	1	0	1	12	6	4	1	5	5	1	1	8	7	3	0
215	90	5.2	0.79	-0.61	0.22	12th	10	0	1	1	12	14	5	3	3	5	3	4	8	2	5	0
204	90	6.3	0.96	-0.68	0.29	12th	11	0	2	0	8	12	8	2	2	1	3	2	6	8	4	3
218	89	5.5	1.67	+0.08	0.50	12th	12	0	1	0	14	14	0	2	8	2	0	2	11	4	1	1
214	83	5.1	0.97	-0.52	0.31	12th	11	0	2	0	15	12	4	1	2	8	2	1	9	7	1	0
247	84	4.6	0.48	?	0.10	12th	11	0	1	0	15	11	1	3	2	6	2	1	6	9	2	0
256	89	5.7	0.83	-1.00	0.21	3rd	11	0	0	0	6	8	3	3	5	7	0	0	3	9	3	1
248	87	6.3	1.60	-0.23	0.47	12th	10	0	0	0	1	10	2	2	5	6	0	1	6	7	3	1
255	92	5.7	2.40	-0.04	0.51	5th	14	0	2	0	10	11	5	1	9	3	1	2	10	2	2	1
196	91	6.0	5.01	?	0.93	1st	17	3	3	0	7	15	0	2	3	4	4	3	4	8	3	0
221	80	5.7	1.56	-0.16	0.48	12th	13	0	0	0	11	13	5	0	0	4	7	2	7	8	2	1
243	81	7.7	2.08	-0.19	0.76	12th	11	0	1	1	1	17	7	0	0	2	1	3	6	7	3	9
282	93	4.0	2.08	-0.32	0.65	12th	12	0	1	0	12	8	6	1	0	3	11	0	5	8	2	1
255	84	6.1	1.59	-0.36	0.32	14th	12	0	0	0	3	6	5	2	3	9	1	2	2	10	2	0
231	82	5.2	1.87	?	0.28	9th	14	0	8	2	7	11	10	1	0	0	6	10	8	3	3	0
245	94	6.2	1.18	-0.87	0.32	7th	14	0	0	0	0	10	6	1	0	1	6	3	11	7	2	0
243	80	5.9	3.16	?	0.43	5th	18	1	0	0	7	10	5	0	1	4	2	4	12	3	5	0
210	86	5.6	2.11	-0.22	0.37	8th	15	0	2	0	10	13	0	0	0	0	4	1	16	0	0	10
277	87	5.7	2.70	-1.50	0.43	12th	15	0	6	0	3	8	6	0	3	5	3	3	10	5	0	2
262	86	6.2	1.84	-1.87	0.50	12th	12	0	3	0	0	11	4	1	0	3	7	1	4	9	6	0
283	85	6.3	1.40	-1.00	0.38	14th	11	0	2	0	2	7	6	3	1	11	1	3	4	7	1	0
259	80	4.6	1.71	-0.62	0.32	3rd	13	0	3	0	12	8	5	0	6	8	1	1	4	5	6	0

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 1894.

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.	*	146°2	+47°6	40	+13
LAIRG	29°9	50°1	40°0	+1°7	22	16th	64	22nd, 25th, 30th	17	2°71	-0°25	0°40	11th	—	—	—	—
GLENCARRON	34°3	50°0	42°2	+3°7	27	16th	65	24th	18	9°38	+3°13	1°62	5th	—	—	—	—
FORT AUGUSTUS	34°6	50°1	42°4	+2°8	25	16th	64	24th	15	6°64	+3°67	1°14	10th	114°8	?	32	°
FORT WILLIAM	36°8	50°2	43°5	+3°0	28	16th	63	27th	17	8°39	+2°30	1°34	7th	132°1	?	36	°
ABERDEEN	°	°	°	*	*	*	*	*	*	*	*	*	*	190°3	+78°7	53	+22
BRAEMAR	30°7	47°2	39°0	+2°5	20	17th	61	26th	13	2°79	+0°30	0°55	5th	199°0	?	55	°
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	171°0	?	47	°
OCHTERTYRE	33°0	53°3	43°2	+3°8	26	15th	66	23rd	10	3°04	+0°25	0°98	7th	—	—	—	—
MARCHMONT	33°7	52°7	43°2	+4°2	28	16th	64	23rd, 24th, 30th	11	1°54	-0°93	0°28	10th	177°5	?	49	°
ALNWICK CASTLE	35°3	48°8	42°1	+2°2	27	16th	61	29th	14	0°85	-1°50	0°38	12th	—	—	—	—
DURHAM	33°2	52°7	43°0	+2°9	25	17th	64	30th	13	0°89	-1°27	0°48	12th	191°4	+87°1	53	+24
SCARBOROUGH	35°7	50°7	43°2	+2°2	29	16th	63	26th	12	0°96	-0°93	0°32	15th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	178°7	?	49	°
YORK	°	°	°	*	*	*	*	*	*	*	*	*	*	176°9	+78°4	49	+22
HILLINGTON	34°4	53°1	43°8	+2°4	27	18th, 27th	65	26th, 30th, 31st	13	0°91	-0°75	0°38	8th	175°7	+69°2	48	+19
GILDESTON	33°8	51°7	42°8	+1°2	24	18th	67	31st	12	0°64	-0°93	0°13	14th	176°5	+52°4	48	+14
CAMBRIDGE	°	°	°	*	*	*	*	*	*	*	*	*	*	191°9	+73°8	53	+21
ROTHAMSTED	34°7	52°9	43°8	+2°9	26	3rd, 27th	64	31st	13	2°07	+0°34	0°76	14th	190°3	?	52	°
BAWTRY	32°6	54°5	43°6	+2°4	24	16th	69	30th	7	0°50	-1°21	0°22	12th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	158°0	+59°9	43	+16
STAMFORD (KETTON HALL).	33°6	54°0	43°8	+2°0	22	27th	66	26th, 27th, 30th	10	0°68	-0°77	0°25	12th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	159°1	+72°6	44	+20
CHEADLE	35°3	51°1	43°2	+3°2	31	3rd, 5th, 16th, 17th.	65	30th	12	1°83	-0°48	0°52	12th	—	—	—	—
CHURCHSTOKE	33°7	52°3	43°0	+2°6	25	17th	65	27th	14	2°02	+0°01	0°82	12th	169°0	+63°8	46	+17
HEREFORD	34°8	52°2	43°5	+1°2	27	17th, 18th	65	31st	13	1°25	-0°49	0°49	12th	—	—	—	—
CIRENCESTER	34°3	51°9	43°1	+2°5	25	3rd, 18th	63	26th, 27th, 30th	13	2°61	+0°52	0°93	12th	180°8	+70°6	50	+20
OXFORD	°	°	°	*	*	*	*	*	*	*	*	*	*	170°0	+58°4	47	+16
LONDON	°	°	°	*	*	*	*	*	*	*	*	*	*	145°9	+60°8	40	+17
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	166°4	?	46	°
STRATHFIELD TURGISSE	34°0	53°8	43°9	+1°8	27	17th, 18th, 19th	64	26th, 27th	14	1°32	-0°24	0°34	12th	—	—	—	—
HASTINGS	39°7	51°4	45°6	+2°8	32	5th	61	29th	13	1°47	-0°47	0°21	9th, 12th	201°3	+65°6	55	+18
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	200°9	?	55	°
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	202°9	?	56	°
WESTBOURNE (SUSSEX).	—	—	—	—	—	—	—	—	—	—	—	—	—	212°8	?	58	°
SOUTHAMPTON	37°4	55°2	46°3	+3°1	30	5th, 18th	64	27th, 28th	11	1°88	-0°14	0°56	12th	193°0	+66°8	53	+18
STOWELL	36°1	52°3	44°2	+2°6	30	17th, 18th	64	27th	13	1°74	?	0°45	12th	—	—	—	—
LAUDALE	37°9	51°2	44°6	+3°5	27	16th	63	27th	18	7°23	+0°64	1°26	10th	—	—	—	—
GLASGOW	36°8	49°8	43°3	+3°0	31	16th, 17th	61	30th	15	2°67	+0°19	0°50	5th	141°6	+60°9	39	+17
GLENLEE	32°9	50°3	41°6	+2°2	23	17th	65	27th	12	3°95	+0°04	1°24	5th	—	—	—	—
DOUGLAS	37°5	50°6	44°1	+2°5	30	17th	60	27th	14	2°56	-0°29	0°67	5th	209°6	+89°2	58	+25
STONYHURST	35°9	50°0	43°0	+2°4	28	17th	62	27th, 30th	13	3°90	+0°46	0°91	5th	153°2	+55°7	42	+15
BLACKPOOL	37°2	52°4	44°8	+3°7	27	17th	66	30th	11	2°23	-0°02	0°73	12th	171°3	+77°7	47	+21
MANCHESTER (PREST-WICH).	35°2	52°0	43°6	+2°6	27	16th	72	27th	17	3°47	+1°01	1°03	12th	148°3	?	41	°
„ (OLDHAM RD.)	—	—	—	—	—	—	—	—	—	—	—	—	—	120°4	?	33	°
LLANDUDNO	40°9	53°0	47°0	+3°9	32	17th	68	27th	14	1°71	-0°28	0°42	12th	178°1	+86°9	49	+24
LLANDOVERY	33°9	54°6	44°3	+1°6	25	17th, 18th	68	27th	15	4°61	+1°01	1°14	12th	—	—	—	—
PEMBROKE	°	°	°	*	*	*	*	*	°	°	°	°	*	197°7	+67°9	54	+18
BRISTOL (MONTPELIER)	37°5	54°0	45°8	+3°4	30	18th	66	26th	12	2°65	?	0°80	12th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	218°0	?	60	°
ARLINGTON	36°9	51°8	44°4	+3°0	29	17th, 18th	64	27th	15	5°24	+1°70	0°77	12th	—	—	—	—
CULLOMPTON	35°4	53°9	44°7	+2°1	27	3rd	65	27th	15	2°05	-0°42	0°39	12th	185°9	+66°7	51	+18
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	182°4	?	50	°
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	211°0	?	58	°
FALMOUTH	41°2	50°7	46°0	+1°6	36	3rd, 17th, 18th	55	20th	13	2°19	-1°22	0°52	12th	186°2	+56°4	51	+15
PLYMOUTH	39°4	52°4	45°9	+1°7	32	5th, 16th	63	27th	12	1°94	-0°69	0°51	12th	183°6	+52°2	50	+14
SCILLY	°	°	°	*	*	*	*	*	°	°	°	°	*	189°5	?	52	°
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	215°7	?	59	°
JERSEY	°	°	°	*	*	*	*	*	°	°	°	°	*	212°6	+63°5	58	+17
LONDONDERRY	37°2	54°2	45°7	+3°2	32	16th	69	27th	15	2°53	-0°24	0°35	10th	—	—	—	—
EDENFEL (OMAGH)	34°5	51°5	43°0	+1°9	29	17th	64	27th, 28th, 29th	15	3°08	+0°70	0°61	5th	—	—	—	—
MARKREE CASTLE	35°1	53°1	44°1	+2°1	28	17th	65	28th, 29th	15	2°90	+0°41	0°53	5th	167°9	+66°6	46	+18
BROOKEBOROUGH	34°9	52°5	43°7	+2°9	27	17th	65	27th, 28th	14	2°25	-0°57	0°43	5th	—	—	—	—
ARMAGH	35°4	52°0	43°7	+2°5	28	23rd	63	27th	13	1°80	-0°30	0°38	5th	175°0	+81°9	48	+22
EDGEWORTHSTOWN	35°0	51°9	43°5	+2°4	30	7th, 17th, 23rd	64	28th, 29th	14	2°41	-0°40	0°40	7th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	138°0	?	38	°
DUBLIN	38°0	52°7	45°4	+1°9	32	17th, 23rd	64	29th	14	1°29	-0°82	0°27	12th	200°9	+86°0	55	+23
PARSONSTOWN	°	°	°	*	*	*	*	*	°	°	°	°	*	146°4	+32°8	40	+9
KILKENNY CASTLE	35°7	52°9	44°3	+1°1	29	17th	63	28th	15	1°82	-0°36	0°39	12th	—	—	—	—
WATERFORD	37°1	52°4	44°8	+0°6	27	17th	59	28th	12	1°69	-1°32	0°57	12th	—	—	—	—
VALENCIA (CAHIR-CIVREN).	°	°	°	*	*	*	*	*	°	°	°	°	*	157°9	+25°3	43	+7
KILLARNEY	39°2	53°2	46°2	+1°7	31	16th	66	28th	15	3°80	?	0°51	7th	—	—	—	—
FOYNES	39°7	52°5	46°1	+2°5	35	23rd	65	28th	14	2°85	?	0°41	8th	—	—	—	—

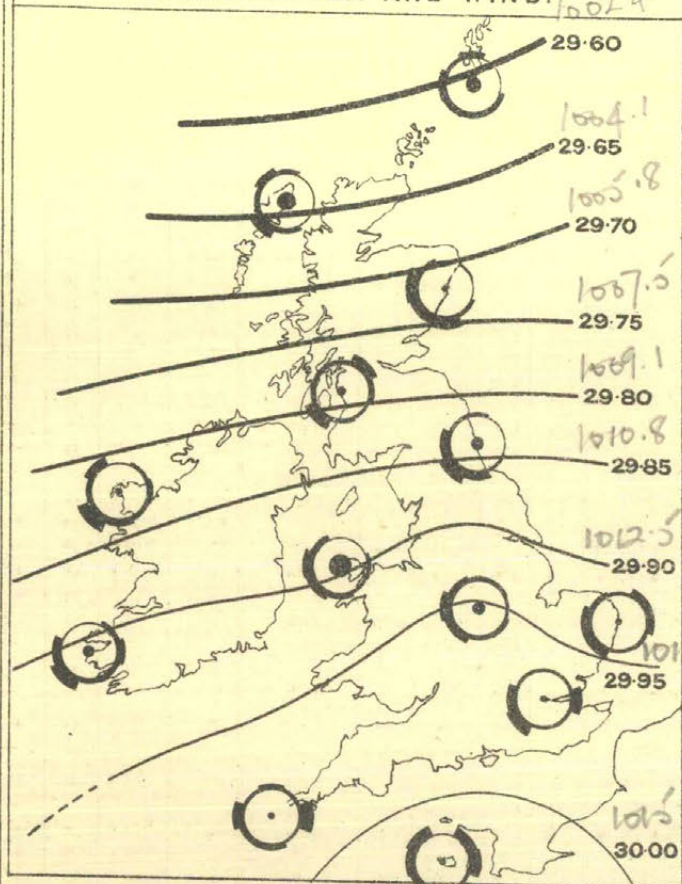
* For information see Table V.

MONTHLY WEATHER CHART, MARCH, 1894.

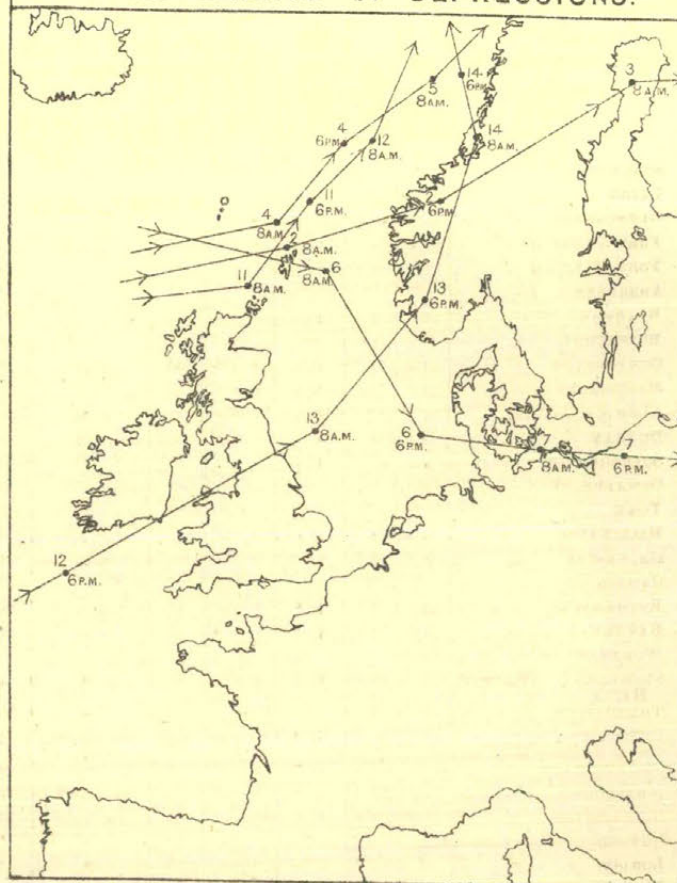
Monthly Summary.

Plate III.

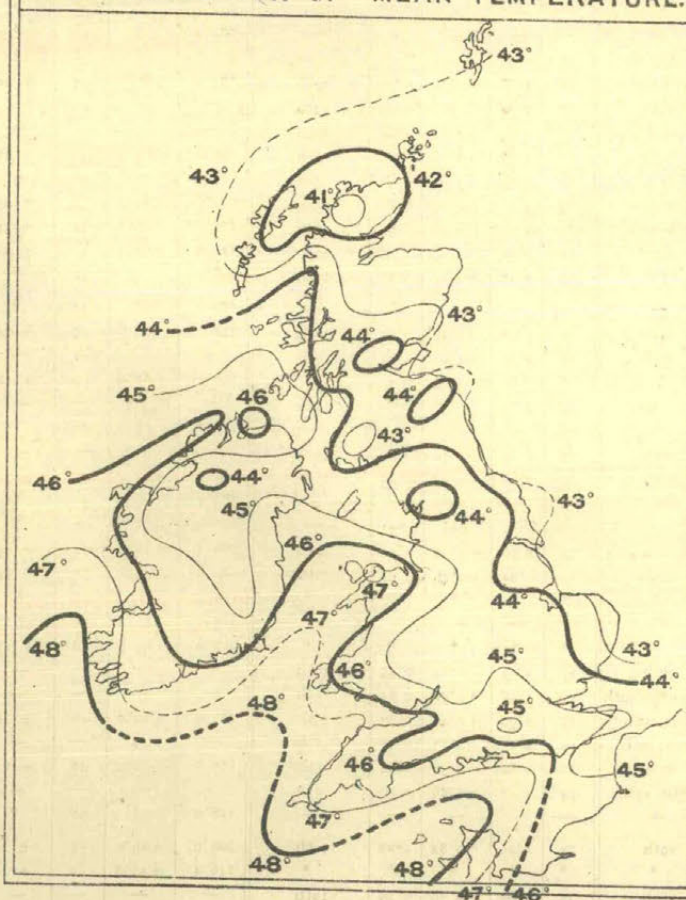
1. BAROMETER AND WIND.



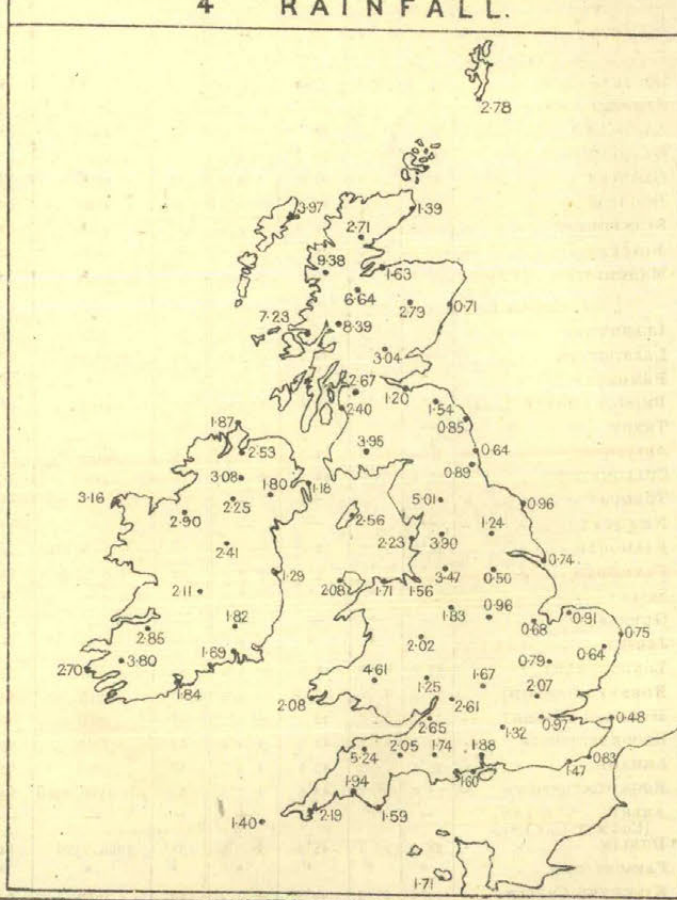
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



To face p. xii.

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

APRIL 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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, 194, GRAFTON STREET, DUBLIN.

General Summary.—During the early part of the month the weather in the eastern and southern parts of the United Kingdom was mostly fair and dry. In the west, however, the conditions were less settled, and during the latter half of the period changeable showery weather became general, with thunderstorms in many places. Pressure was above the average in the east, but below it in the west; temperature was high in all districts; the winds were chiefly Southerly or South-easterly; rainfall was in excess of the normal in Ireland and at several of the English stations, but considerably below it in the north of Scotland; bright sunshine was deficient in Ireland and the west of Scotland, but fairly abundant in other localities.

Pressure.—*Mean for the month at 8 a.m.* ranged from 29·90 ins. in the east of Scotland, and from 29·88 ins. and upwards over the eastern parts of England to about 29·72 ins. in the west of Ireland. In the former localities the mean values were a trifle in excess of the average* but in the more western parts of the kingdom they were below it, the deficit being greatest (0·1 in. or more) in the west and south of Ireland. *Highest* readings were recorded on the 29th or 30th, when the barometer rose to about 30·5 ins. in the west of Ireland and to 30·2 ins. and upwards in all districts excepting the extreme south and south-east of England. *Lowest* readings were observed in Ireland on the 24th, when the mercury fell to between 28·8 ins. and 29·2 ins.; over Great Britain they occurred mostly on the 16th or 17th, and varied between 29·3 ins. and 29·4 ins. *Range* was moderate in the western districts, but slight elsewhere.

Depressions.—In the course of the month several depressions travelled northwards outside the Irish coasts, their centres being in most instances too far to the westward for the tracks to be shown in Map 2, Plate IV. The disturbance of the 24th was of considerable depth, and occasioned very strong Southerly gales in the south of Ireland. Between the 16th and 17th a shallow depression advanced over our Islands from the south-westward and travelled across Great Britain in a northerly direction, while on the 17th and again on the 27th a small system moved south-eastwards across the south-western parts of the United Kingdom and disappeared over France.

Anticyclones.—Two such systems were observed. The first of these extended over our Islands from Northern Europe on the 4th and remained with us until the 7th, when it moved away to the region whence it originally sprang. The second appeared on the 19th in the form of a "col" uniting an anticyclone over Scandinavia with another lying to the south-westward of our Islands. During the 21st the system gradually broke up.

Winds, although rather variable, were mainly from the Southward or South-eastward. Gales were rather frequent for the time of year on our western coasts, and especially in Ireland; at Roche's Point gale force was reached on eight days. At the majority of our northern and eastern stations there was an entire absence of stormy weather, and at Stornoway the per-centage of calms was very large.

Temperature.—*Mean at Sea Level* ranged from 53° and upwards in the Channel Islands, and 51° and upwards over the south-east and extreme south of England to 46° or less on isolated parts of our north and north-east coasts, the general distribution being somewhat irregular. The mean values were above the average* in all places, the excess being greatest (4° to 5°) over the central and southern parts of England, and least (2° or less) on the north-east coasts of Great Britain and in the west and south of Ireland. *Highest* readings were observed mainly on the 4th or 5th in Ireland, and between the 8th and 11th over England, but in Scotland they occurred in many places on the 28th or 29th; over the inland parts of England the thermometer rose to 70° or more, and at Cambridge it reached 77°. *Lowest* readings were observed at various times in the different localities, but mostly between the 19th and 22nd, when frost occurred in many parts of Great Britain. *Range* was moderate in Ireland and Scotland, but large at the inland stations over England; at Stamford it amounted to 48°, and at Loughborough to 51°. *Vapour Tension* ranged from about 0·26 in. in the north-eastern parts of Great Britain to between 0·31 in., and 0·33 in. on our south-west coasts. *Relative Humidity* varied from 77 per cent. at Jersey and 79 per cent. at Liverpool and in London to 92 per cent. at Donaghadee, and to 94 per cent. at Pembroke.

Rainfall was in excess of the average* in Ireland, as well as at several stations in the western, southern, and eastern parts of England, but was below the normal in nearly all other districts, the deficiency being very large in the north of Scotland. The largest amounts recorded during the month were 7·1 ins. at Killarney, 6·3 ins. at Valencia, and 4·8 ins. at Parsonstown; the smallest being 0·1 in. at Lairg and 0·5 in. at Sumburgh Head, Wick, and Fort Augustus. Falls exceeding an inch. in 24 hours were recorded in various parts of Ireland on the 11th, the 14th, the 24th, and the 29th, the largest of all being 1·7 ins. at Killarney on the 24th.

Bright Sunshine was deficient in Ireland and the west of Scotland, but was in excess of the average* in most other localities. More than 40 per cent. of the possible amount was recorded over the southern parts of England as well as in the Hebrides, the highest value of all being 51 per cent. at Tenby. The lowest per-centages were 24 at Glasgow, 27 at Edinburgh, and 28 at Markree Castle and Parsonstown.

* 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 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.									
				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°916	+0°076	45°2	41°3	48°8	45°1	+3°7	37	9th, 15th	54	11th	
	Wick	29°866	+°018	45°9	41°4	51°3	46°4	+3°5	33	19th	58	29th	
	Stornoway	29°796	-°028	46°6	39°5	53°3	46°4	+3°3	32	5th	59	12th, 28th	
1. SCOTLAND, E.	Nairn	29°846	-°002	46°5	37°0	55°6	46°3	+2°2	30	3rd, 6th, 28th	66	21st	
	Aberdeen	29°909	+°051	45°9	40°8	50°9	45°9	+2°2	32	2nd	60	29th	
	Leith	29°870	+°007	46°7	39°6	54°6	47°1	+2°1	34	2nd	63	10th	
2. ENGLAND, N.E.	Shields	29°894	+°028	45°2	39°5	51°4	45°5	+1°7	34	20th	65	10th	
	York	29°893	+°018	45°9	40°5	57°9	49°2	+3°6	33	20th	72	11th	
	Spurn Head	29°884	+°021	46°6	42°8	51°1	47°0	+2°6	39	1st	62	9th	
3. ENGLAND, E.	Yarmouth	29°884	+°012	47°5	43°7	51°5	47°6	+3°1	38	4th	62	9th	
	Cambridge	29°890	+°010	48°1	40°2	61°8	51°0	+4°4	33	22nd	77	11th	
4. MIDLAND COUNTIES	Loughborough	29°886	+°007	45°5	38°8	60°2	49°5	+2°9	25	21st	76	11th	
	Oxford	29°875	-°009	46°6	41°1	59°3	50°2	+3°7	33	22nd	70	11th	
5. ENGLAND, S.	London	29°880	+°002	49°3	43°1	61°5	52°3	+4°4	34	22nd	76	8th	
	North Foreland	29°884	+°014	50°6	45°7	55°1	50°4	+4°8	40	4th	63	8th	
	Dungeness	29°865	+°001	50°7	45°2	56°3	50°8	+4°5	34	22nd	65	1st	
	Hurst Castle	29°856	-°015	50°2	47°4	56°8	52°1	+5°5	41	29th	64	7th, 8th	
6. SCOTLAND, W.	Ardrossan	29°831	-°026	47°4	41°9	54°2	48°1	+2°6	35	14th	63	2nd, 11th	
7. ENGLAND, N.W.	Hawes Junction*	28°629	?	42°4	36°6	52°9	44°8	?	29	20th	65	8th	
	Liverpool	29°848	-°019	48°2	43°0	58°1	50°6	+4°1	37	2nd, 21st	70	11th	
	Holyhead	29°816	-°041	49°1	44°0	55°3	49°7	+3°0	38	1st	65	11th	
8. ENGLAND, S.W.	Pembroke	29°791	-°061	48°4	45°4	53°2	49°3	+3°1	41	1st	60	3rd	
	Prawle Point	29°821	-°055	50°1	44°7	55°1	49°9	+3°6	39	13th	61	30th	
9. IRELAND, N.	Malin Head	29°751	-°089	47°1	44°2	52°8	48°5	+2°6	40	15th, 16th, 20th, 23rd.	61	20th	
	Donaghadee	29°823	-°036	47°1	44°9	52°3	48°6	+3°1	41	2nd	57	28th, 29th	
	Belmullet	29°722	-°113	49°0	44°6	54°1	49°4	+1°2	39	16th	63	5th	
10. IRELAND, S.	Parsonstown	29°759	-°105	47°3	42°2	56°5	49°4	+3°1	36	19th	64	3rd, 4th, 5th	
	Valencia	29°719	-°135	49°7	45°8	55°1	50°5	+2°1	37	13th, 17th	64	3rd, 4th, 5th	
	Roche's Point	29°757	-°094	49°2	45°4	54°3	49°9	+2°0	40	1st, 13th	61	28th	
CHANNEL ISLANDS	Scilly	29°779	-°077	51°2	47°2	55°1	51°2	+2°8	41	24th	58	1st, 9th, 14th	
	Jersey	29°858	-°014	53°2	46°8	58°6	52°7	+3°8	35	22nd	69	10th	

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

SUMMARY OF OBSERVATIONS, APRIL 1894.

XV

REPORTING STATIONS in the BRITISH ISLANDS during the Month of APRIL 1894.

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.																	
0.269	90	7.2	0.53	-1.54	0.12	16th	12	0	0	0	0	14	0	0	1	2	16	5	2	1	1	2
262	86	6.6	0.47	-1.21	0.15	17th	11	0	0	0	6	13	4	3	0	1	9	13	0	0	3	1
282	90	6.1	0.84	-1.81	0.35	11th	11	0	0	1	4	10	0	1	1	2	9	4	0	2	1	10
257	82	5.4	0.69	-0.57	0.28	16th	10	0	0	0	3	7	0	0	0	7	3	4	2	8	0	6
262	86	6.8	1.02	-1.14	0.36	16th	16	0	0	0	0	12	0	1	1	2	12	7	1	2	4	0
266	84	7.7	1.42	-0.15	0.42	18th	14	0	0	0	0	17	0	1	3	14	3	2	1	2	2	2
262	88	7.6	0.61	-1.19	0.20	16th	10	0	0	2	2	14	0	2	0	7	6	3	6	0	1	5
270	88	6.3	1.70	-0.05	0.40	12th	14	0	0	3	9	14	0	5	1	11	5	5	1	0	2	0
294	93	7.3	1.16	-0.29	0.34	2nd	15	0	0	2	3	16	0	4	4	6	8	5	1	1	1	0
297	91	5.6	2.69	+0.99	0.65	26th	15	0	0	0	8	6	0	5	4	5	4	3	3	1	3	2
294	88	7.1	1.38	-0.31	0.34	18th	13	0	0	2	1	15	1	3	1	7	2	9	3	3	2	0
275	91	6.8	1.29	-0.49	0.37	25th	11	0	1	4	4	13	0	2	7	3	10	3	0	1	3	1
280	89	7.6	1.70	-0.08	0.34	2nd	18	0	1	1	5	18	0	3	9	2	6	5	3	1	0	1
279	79	7.2	1.43	-0.41	0.58	24th	14	0	1	3	5	16	0	1	2	7	7	8	2	2	1	0
308	83	6.9	1.75	?	0.75	26th	11	0	0	1	4	14	2	3	4	3	3	10	1	3	3	0
309	84	7.4	1.65	-0.12	0.71	26th	9	0	0	1	0	10	1	1	6	6	2	3	5	3	2	2
307	85	6.9	2.07	+0.24	0.42	24th	16	0	0	1	0	12	1	1	7	6	4	5	4	2	0	1
288	89	7.4	1.78	-0.36	0.19	16th	19	0	0	2	3	17	1	1	14	5	6	2	0	0	0	2
249	92	7.4	3.11	?	0.43	12th	20	0	1	2	1	18	0	3	6	7	7	6	0	0	1	0
263	79	6.1	1.60	+0.05	0.29	14th	15	0	0	0	9	12	0	2	1	9	13	2	1	1	0	1
293	84	8.4	2.11	+0.21	0.66	16th	15	0	1	1	0	19	4	3	2	7	3	8	5	1	0	1
317	94	6.4	1.38	-0.56	0.40	22nd	14	0	2	0	6	16	2	3	1	6	6	5	6	1	1	1
313	86	7.0	1.53	-0.54	0.20	5th	18	0	0	1	2	12	3	1	4	10	3	3	4	4	1	0
276	86	7.3	1.38	?	0.29	11th	15	0	0	2	5	19	6	3	0	4	9	11	1	2	0	0
297	92	7.2	1.91	-0.01	0.28	12th, 14th	22	0	0	0	0	11	6	5	3	4	9	5	2	0	2	0
298	86	6.6	1.48	?	0.20	11th, 25th	23	0	0	0	4	14	4	4	1	7	5	3	5	1	4	0
276	85	7.3	4.78	+2.74	0.89	11th	21	0	1	3	5	18	0	0	1	0	9	0	8	0	3	9
311	87	7.1	6.28	+2.45	1.32	14th	20	0	0	2	0	11	5	2	3	1	7	6	2	1	3	5
314	91	6.7	3.26	+0.03	0.45	13th	22	0	0	1	0	12	8	7	4	1	3	5	7	1	2	0
325	86	7.0	2.80	+0.53	0.76	15th	14	0	0	0	1	5	4	3	1	5	5	7	3	3	3	0
313	77	6.5	3.32	+1.14	0.76	26th	21	0	0	1	2	10	0	2	3	3	6	5	4	2	3	2

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 1894.

AIR TEMPERATURE.										RAINFALL.				BRIGHT SUNSHINE.			
NAMES OF STATIONS.	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.
	°	°	°	°	°	*	°	*	ins.	ins.	ins.	*	173°3	+ 21°0	41	+ 5	
STORNOWAY						*		*									
LAIRG	37°6	59°7	48°7	+ 6°1	29	27th	65	15th, 20th	6	0°07	-2°19	0°02	11th				
GLENCARRON	37°9	57°3	47°6	+ 4°7	32	29th	67	11th	13	1°20	-3°06	0°36	17th				
FORT AUGUSTUS	39°4	56°3	47°9	+ 3°9	30	28th	67	11th	8	0°51	-1°53	0°17	16th	151°3	?	36	
FORT WILLIAM	41°2	55°7	48°5	+ 3°4	33	19th	63	11th	11	1°34	-2°20	0°38	25th	165°3	?	39	
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	132°7	- 10°3	31	- 3
BRAEMAR	35°2	51°6	43°4	+ 2°5	26	2nd	60	28th	17	1°63	-0°73	0°45	17th	139°8	?	33	
EDINBURGH														111°8	?	27	
OCHTERTYRE	39°4	55°7	47°6	+ 3°5	32	1st, 20th	65	28th, 29th	17	1°54	-0°80	0°32	14th				
MARCHMONT	38°6	53°9	46°3	+ 3°3	33	22nd	69	11th	17	1°67	-0°74	0°33	16th	120°5	?	29	
ALNWICK CASTLE	39°8	51°4	45°6	+ 2°8	32	20th	61	10th	14	1°08	-1°20	0°23	16th				
DURHAM	37°8	55°4	46°6	+ 2°7	29	20th	66	10th	18	1°10	-1°02	0°25	16th	125°8	+ 13°1	30	+ 3
SCARBOROUGH	40°7	53°4	47°1	+ 2°5	35	20th	67	10th	12	1°41	-0°54	0°52	16th				
OSWALDKIRK	*	*	*	*	*	*	*	*	*	*	*	*	*	128°4	?	31	?
YORK						*	*	*	*	*	*	*	*	138°8	+ 10°2	33	+ 2
HILLINGTON	40°2	58°6	49°4	+ 3°5	33	22nd	72	11th	15	2°25	+0°50	0°77	12th	136°7	- 9°3	33	- 2
GELDESTON	40°0	57°0	48°5	+ 2°8	30	23rd	69	8th, 10th	18	2°79	+1°27	0°80	24th	150°4	- 13°0	37	- 3
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	154°7	+ 6°9	38	+ 2
ROTHAMSTED	39°3	58°3	48°8	+ 3°3	31	22nd	71	8th	15	1°60	-0°53	0°37	24th	145°6	?	35	?
BAWTRY	39°2	59°0	49°1	+ 3°1	29	20th	74	11th	15	2°86	+1°18	0°75	18th				
WORKSOP														118°8	- 3°9	29	- 1
STAMFORD (KETTON HALL).	39°3	59°3	49°3	+ 2°6	26	21st	74	11th	11	1°21	-0°71	0°35	16th				
THURCASTON														145°6	+ 30°2	35	+ 7
CHEADLE	40°5	56°4	48°5	+ 4°0	34	20th, 21st	69	11th	13	1°64	-0°47	0°37	14th				
CHURCHSTOKE	39°0	57°6	48°3	+ 4°0	32	20th	69	11th	15	1°90	+0°04	0°37	25th	158°0	+ 22°3	38	+ 5
HEREFORD	41°0	59°8	50°4	+ 4°1	34	20th, 22nd	69	11th	14	1°85	+0°06	0°60	14th				
CIRENCESTER	39°5	58°0	48°8	+ 3°6	33	1st, 10th	67	10th	17	2°64	+0°51	0°41	25th	145°0	+ 2°8	35	+ 1
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	152°6	+ 11°4	37	+ 3
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	132°3	+ 8°0	32	+ 2
MARGATE						*	*	*	*	*	*	*	*	167°0	?	41	?
STRATHFIELD TURGIS	40°7	60°2	50°5	+ 3°7	31	22nd	70	10th, 11th	16	2°09	+0°25	0°48	16th				
HASTINGS	45°6	57°6	51°6	+ 4°2	39	22nd	67	7th, 8th, 10th	13	2°20	+0°18	0°70	24th	179°9	+ 13°3	44	+ 3
EASTBOURNE														178°0	?	43	?
BRIGHTON														176°0	?	43	?
WESTBOURNE (SUSSEX)														182°0	?	44	?
SOUTHAMPTON	44°2	60°4	52°3	+ 4°5	37	22nd	71	11th	16	1°75	-0°38	0°58	24th	160°4	- 2°2	39	- 1
STOWELL	41°3	57°5	49°4	+ 3°2	32	13th	68	11th	18	2°37	?	0°49	16th				
LAUDALE	42°9	57°5	50°2	+ 4°7	33	18th	63	11th	16	1°66	-2°32	0°36	25th				
GLASGOW	42°0	54°2	48°1	+ 3°4	36	14th	62	11th	19	1°97	-0°22	0°24	14th	101°5	- 25°0	24	- 6
GLENLEE	38°6	57°2	47°9	+ 4°1	28	1st	66	11th	18	2°72	-0°19	0°52	3rd				
DOUGLAS	42°5	54°3	48°4	+ 3°2	34	1st	61	28th	16	2°18	-0°16	0°63	11th	170°9	- 7°2	41	- 2
STONYHURST	40°5	54°9	47°7	+ 2°4	33	20th	66	11th	18	1°93	-0°47	0°47	12th	141°2	+ 5°3	34	+ 1
BLACKPOOL	40°4	57°4	48°9	+ 3°2	32	23rd	69	11th	16	1°05	-0°65	0°22	16th	132°9	- 11°2	32	- 2
MANCHESTER (PREST-WICH).	41°1	57°1	49°1	+ 3°6	33	20th	73	1st	15	1°80	-0°18	0°52	16th	130°3	?	31	?
MANCHESTER (OLDHAM ROAD).														131°3	?	32	?
LLANDUDNO	44°0	57°4	50°7	+ 3°8	39	6th	69	11th	16	1°59	-0°22	0°27	11th	162°3	+ 24°2	39	+ 6
LLANDOVERY	39°7	60°3	50°0	+ 4°7	31	1st, 21st	71	11th	19	2°12	-0°67	0°34	16th				
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	197°5	+ 14°6	48	+ 4
BRISTOL (MONTPELIER)	43°2	59°9	51°6	+ 4°7	34	20th	68	3rd, 10th, 11th	18	2°54	?	0°61	25th				
TENBY														210°0	?	51	?
ARLINGTON	41°6	56°9	49°3	+ 4°2	33	13th	65	11th	18	2°12	-0°75	0°40	25th				
CULLOMPTON	40°7	58°9	49°8	+ 3°4	30	13th	67	1st	14	2°63	+0°05	0°53	25th	146°7	+ 1°3	36	+ 1
TORQUAY														169°9	?	41	?
NEWQUAY														196°0	?	48	?
FALMOUTH	45°0	55°3	50°2	+ 2°7	40	15th, 20th	60	30th	19	3°58	+0°55	0°73	22nd	178°6	+ 5°6	44	+ 2
PLYMOUTH	44°3	56°6	50°5	+ 2°1	33	13th	63	10th, 11th	17	3°14	+0°73	0°52	22nd	178°3	+ 9°2	43	+ 2
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	177°6	?	43	?
GUERNSEY														191°3	?	47	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	172°8	- 14°8	42	- 4
LONDONDERRY	43°0	58°6	50°8	+ 4°1	38	6th, 20th	66	5th	19	2°61	+0°33	0°60	11th				
EDENFEL (OMAGH)	40°9	55°7	48°3	+ 2°9	34	19th	63	4th	19	2°83	+0°71	0°49	11th				
MARKREE CASTLE	41°5	56°1	48°8	+ 3°0	32	19th	64	4th	18	4°12	+1°66	1°39	11th	117°3	- 32°4	28	- 8
BROOKBOROUGH	42°1	55°5	48°8	+ 3°8	34	19th	62	4th	22	3°69	+1°15	0°64	11th				
ARMAGH	42°2	54°9	48°6	+ 3°4	35	19th	62	11th	23	2°55	+0°41	0°64	11th	121°8	- 17°2	29	- 4
EDGEWORTHSTOWN	40°7	55°2	48°0	+ 3°1	33	15th	63	4th	20	4°15	+1°85	1°26	11th				
ARLEY COTTAGE (COUNTY CAVAN).														120°5	?	29	?
DUBLIN	44°3	55°6	50°0	+ 3°0	38	1st	63	8th	20	3°12	+1°09	0°56	13th	144°8	- 17°3	35	- 4
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	118°1	- 41°8	28	- 11
KILKENNY CASTLE	43°2	55°7	49°5	+ 2°8	34	20th	64	4th	23	5°33	+3°18	1°23	29th				
WATERFORD	43°3	56°0	49°7	+ 2°1	33	17th	63	4th, 28th	20	4°32	+1°69	0°86	15th				
VALENCIA (CAHIR-CIVEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	142°5	- 27°0	35	- 6
KILLARNEY	42°9	56°3	49°6	+ 1°8	32	17th	64	4th	23	7°13	?	1°68	24th				
FOYNES	44°6	56°5	50°6	+ 3°5	38	16th, 19th	63	3rd, 23rd	21	3°67	?	0°65	11th				

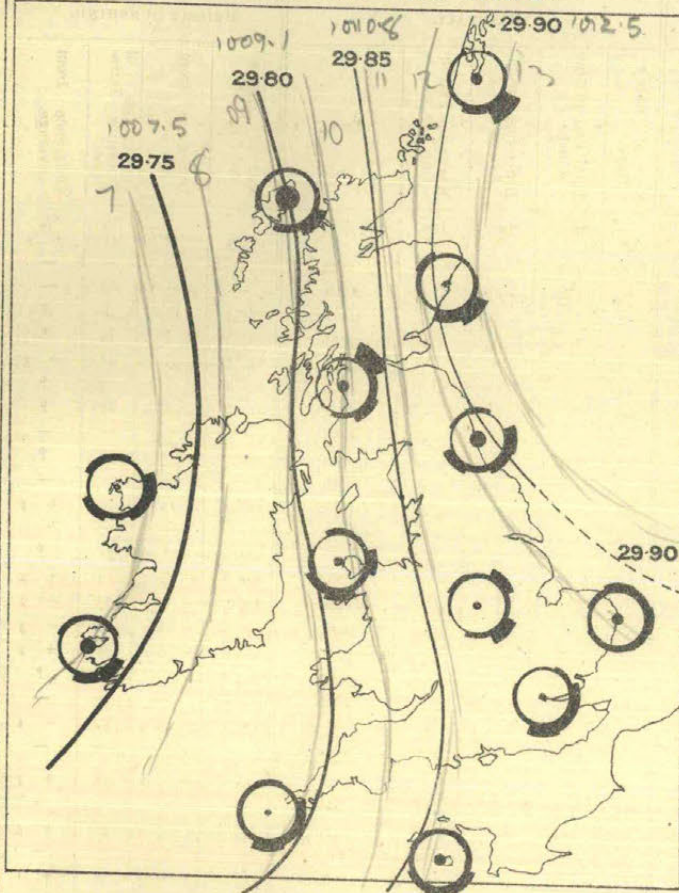
* For information see Table VII.

MONTHLY WEATHER CHART, APRIL, 1894.

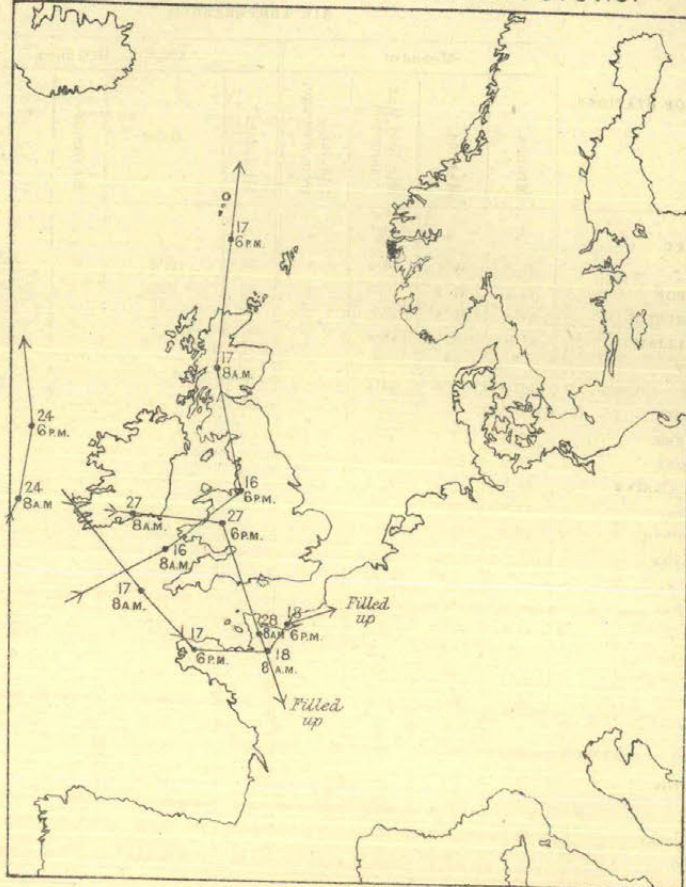
Monthly Summary.

Plate IV.

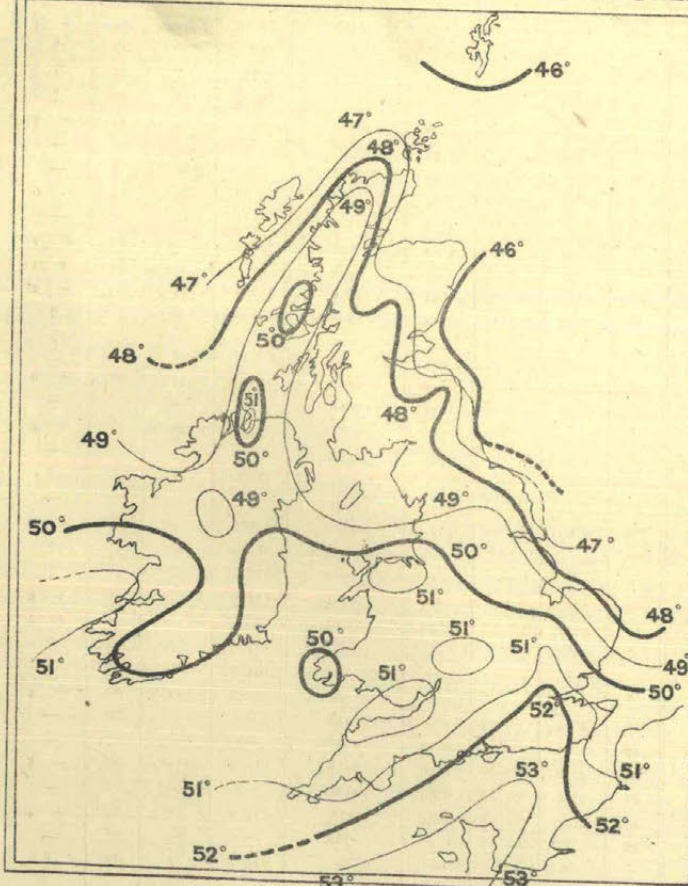
1. BAROMETER AND WIND.



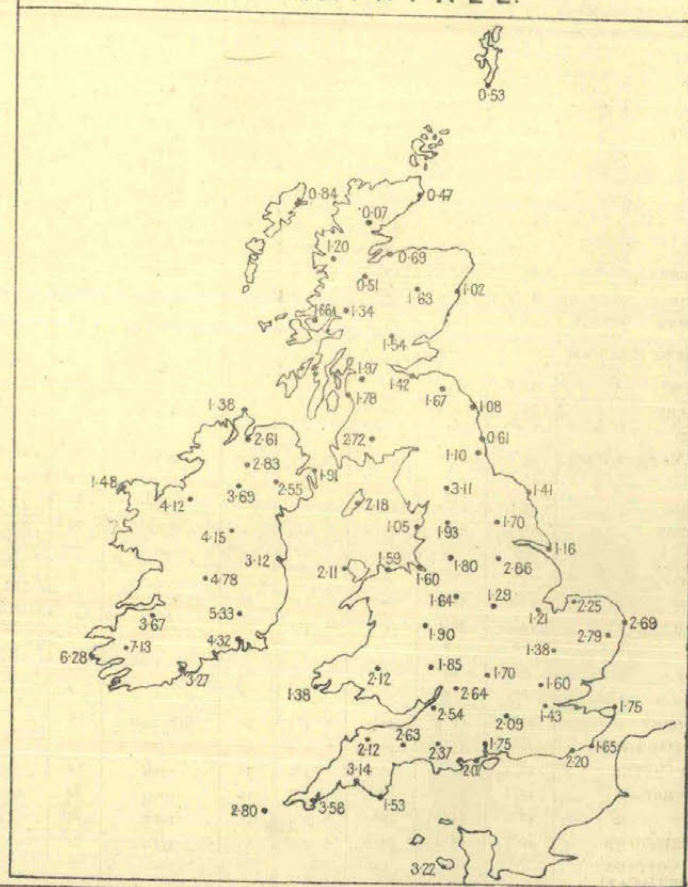
2. MOVEMENTS OF DEPRESSIONS.



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,

MAY 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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 May was cool and unsettled, with occasional thunderstorms and with frequent falls of rain, especially in the northern districts. Between the 19th and 22nd showers of snow or sleet were experienced at many of our northern and western stations—even as far south as Plymouth. Pressure differed but little from the normal; temperature was low; the winds were very variable, but mostly from some Northerly point; rainfall differed in amount in various places, but was as a rule in excess of the average in all but the central and southern districts; bright sunshine was rather deficient excepting in the extreme north.

Pressure.—*Mean at 8 a.m.* ranged from 30·00 ins. and upwards over the central and southern parts of Ireland to 29·92 ins. or less on the east and south-east coasts of England and to 29·90 ins. in the Shetlands, the gradient being favourable for light winds from the North-westward. The actual values were a little above the average* in Ireland and Scotland but a trifle below it at nearly all the English stations, the difference from the normal being in most cases less than 0·05 in. *Highest* readings were recorded generally on the 1st, when the barometer rose to 30·5 ins. and upwards in the west of Ireland, and to 30·3 ins. and upwards in all other parts of the kingdom. In Scotland, however, the highest readings (30·4 ins. and upwards) were observed on the 17th and 18th. *Lowest* readings were recorded mostly between the 8th and 11th in the western and northern districts, and on the 28th or 29th in the eastern and southern parts of England. Over Ireland and England the barometer did not sink much below 29·6 ins., but in Scotland it fell to between 29·3 ins. and 29·4 ins. *Range* was moderate.

Depressions were numerous for the time of year, and moved in various directions, as will be seen on referring to Map 2, Plate V. The two most important systems were:—(1.) A rather deep disturbance which approached the Norwegian coasts from the north-westward on the night of the 3rd, and which afterwards filled up over Sweden; and (2.) A larger and somewhat deeper depression which advanced over Piedmont from the Mediterranean on the 25th, and which subsequently moved north-eastwards across Central Europe.

Anticyclones.—During the early part of the month the only anticyclones observed were a system which spread over our Islands from the westward at the close of April, but which quickly moved away southwards; and another which extended over us temporarily from the south-westward on the 12th. Between the 14th and 16th a large area spread over from Northern Europe and remained in our neighbourhood until the 19th, when it moved away to the westward. On the 21st and 22nd an anticyclonic band, which was formed over the west and north of our Islands, became united with another area lying over Scandinavia, but on the 25th this system, like its predecessor, moved away to the Atlantic.

Winds were very variable, but in most places there was a slight predominance of breezes from the Northward (North-west to North-east). The number of days with gales was, as a rule, very small, but at Donaghadee there were as many as 9 such occasions, and at Aberdeen 6.

Temperature.—*Mean at Sea Level* ranged from 53° at Jersey, and 51° and upwards at many stations situated in the southern parts of England and Ireland to 44° at Stornoway, the general distribution leaning rather to the winter than to the normal summer type. The actual values were everywhere below the average,* the deficit being greatest over the northern parts of the kingdom, where it amounted in some instances to as much as three and a half degrees or more. *Highest* readings, which were recorded either between the 16th and 18th or on the 24th or 25th, were below 70° at all but a few of the English stations, and below 60° on several parts of our north-east and north-west coasts. *Lowest* readings were observed between the 20th and 22nd, when sharp frost occurred in most districts; at Braemar the sheltered thermometer fell to 24°, and at Lairg, Nairn, Glenlee, Loughborough, and Brookeborough to 26°. *Range* was somewhat small for the time of year, the only stations at which it exceeded 40° being Loughborough and Llandoverly. *Vapour Tension* ranged from 0·30 in. and upwards, over the English Channel, and between 0·28 in. and 0·30 in. on our extreme western coasts, to 0·25 in. or less in the east of Scotland and the north of England. *Relative Humidity* varied from 93 per cent. at Stornoway to 75 per cent. at Leith and Oxford, to 73 per cent. in London and to 72 per cent. at Liverpool.

Rainfall amounted to less than the average* in the south of Ireland, the extreme west of Scotland, and most of the central and southern parts of England, but was in excess of the mean in nearly all other localities. The largest aggregates recorded were 6·2 ins. at Glencarron, 4·0 ins. at Marchmont and Braemar, and 3·7 ins. at Fort William; while the smallest were 0·4 in. at Roche's Point, 0·8 in. at Hurst Castle, and 1·1 ins. at Bawtry. The very small amount at Roche's Point (less than one eighth of the average for the month) appears to have been quite local. Over the northern parts of the kingdom rain was very frequent, the number of days with a measurable quantity being as large as 26 at Lairg, and 25 at Braemar and Alnwick Castle.

Bright Sunshine was rather deficient in most places, the only district with any general excess being the north of Scotland. The per-centage of the possible amount ranged from 54 at Scilly, 53 at Newquay and Falmouth, and 45 or more at several of the other south-coast stations to 29 at Manchester, 27 at Braemar, and 26 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 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

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 Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°900	+0°021	45°1	39°4	49°5	44°5	-0°8	32	19th	54	12th
	Wick	29°923	+0°022	46°6	39°6	51°1	45°4	-1°9	28	22nd	63	24th
	Stornoway	29°941	+0°055	46°8	36°4	51°3	43°9	-3°3	29	21st	60	24th
1. SCOTLAND, E.	Nairn	29°933	+0°025	46°8	38°0	53°9	46°0	-3°3	26	22nd	64	24th
	Aberdeen	29°940	+0°022	46°9	39°6	51°4	45°5	-3°0	32	22nd, 23rd	58	6th, 11th, 25th
	Leith	29°940	+0°008	48°0	40°3	54°4	47°4	-2°7	31	22nd, 23rd	62	12th
2. ENGLAND, N.E.	Shields	29°944	+0°001	47°2	39°4	52°1	45°8	-2°9	32	21st	59	6th
	York	29°946	-0°016	47°6	40°4	56°5	48°5	-2°4	29	21st	65	25th
	Spurn Head	29°924	-0°032	48°1	43°0	52°1	47°6	-2°1	37	20th	56	6th, 7th, 10th, 11th, 31st.
3. ENGLAND, E.	Yarmouth	29°915	-0°052	49°1	43°4	53°4	48°4	-1°8	35	5th, 28th	61	16th
	Cambridge	29°954	-0°022	49°8	40°3	59°3	49°8	-2°2	29	21st	69	15th, 16th
4. MIDLAND COUNTIES	Loughborough	29°965	-0°008	47°6	40°0	57°6	48°8	-3°4	26	22nd	68	25th
	Oxford	29°967	-0°014	49°0	41°8	57°8	49°8	-2°2	31	21st	68	25th
5. ENGLAND, S.	London	29°953	-0°028	50°4	42°9	59°7	51°3	-2°1	36	2nd, 21st	70	15th
	North Foreland	29°928	-0°042	51°0	44°7	55°5	50°1	-1°0	39	20th	68	16th
	Dungeness	29°918	-0°052	51°6	45°1	57°0	51°1	-0°8	35	21st	70	17th
	Hurst Castle	29°953	-0°029	51°7	46°1	58°0	52°1	-0°1	36	21st, 22nd	68	17th, 25th
6. SCOTLAND, W.	Ardrossan	29°946	+0°011	48°0	41°7	53°3	47°5	-2°7	33	20th	61	24th
7. ENGLAND, N.W.	Hawes Junction*	28°702	?	42°2	35°6	49°7	42°7	?	25	21st	60	25th
	Liverpool	29°965	+0°004	48°8	43°2	54°8	49°0	-2°5	36	21st	63	24th
	Holyhead	29°976	+0°020	49°2	44°1	53°8	49°0	-2°2	37	20th	60	15th, 18th
8. ENGLAND, S.W.	Pembroke	29°976	+0°015	48°6	45°0	53°0	49°0	-1°5	37	21st	61	24th
	Prawle Point	29°971	-0°021	50°5	43°2	56°1	49°7	-1°3	34	21st	66	25th
9. IRELAND, N.	Malin Head	29°948	+0°023	47°1	43°3	51°4	47°4	-3°8	36	20th	58	23rd
	Donaghadee	29°975	+0°028	48°6	45°5	54°6	50°1	0°0	39	21st	59	25th
	Belmullet	29°999	+0°074	49°7	44°2	53°1	48°7	-3°4	36	21st	63	24th
10. IRELAND, S.	Parsonstown	30°005	+0°047	48°4	39°9	56°3	48°1	-3°0	30	21st	64	24th, 25th
	Valencia (Cahiriveen)	30°011	+0°048	50°8	40°6	55°6	51°1	-1°1	39	21st, 22nd	64	17th, 25th
	Roche's Point	30°000	+0°041	50°4	45°4	57°2	51°3	-1°3	38	21st	68	25th
CHANNEL ISLANDS	Scilly (St. Mary's)	29°987	+0°013	51°8	47°4	54°9	51°2	-1°1	42	21st, 22nd	61	17th
	Jersey	29°983	-0°006	52°2	47°4	57°0	52°2	-1°1	41	2nd, 22nd	65	14th

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

SUMMARY OF OBSERVATIONS, MAY 1894.

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REPORTING STATIONS in the BRITISH ISLANDS, during the Month of MAY 1894.

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.
ins. °244	81	7.2	ins. 2.28	ins. +0.36	ins. 0.54	2nd	24	3	0	0	1	13	0	5	10	1	3	2	1	4	4	1
°265	84	6.3	3.81	+2.12	0.78	15th	23	4	1	0	3	10	2	4	4	5	2	5	4	1	6	0
°299	93	6.6	1.81	-0.80	0.50	8th	21	1	1	0	1	14	0	3	9	1	2	1	3	1	10	1
°266	84	6.0	3.03	+1.42	0.73	15th	21	1	0	0	3	4	2	4	2	9	1	2	3	8	2	0
°242	76	6.4	3.56	+1.57	0.59	27th	23	4	5	1	0	6	6	3	6	3	2	5	2	3	7	0
°251	75	7.1	2.54	+0.87	0.52	14th	21	1	0	0	1	16	0	4	6	6	0	1	4	5	5	0
°251	78	7.2	2.40	+0.71	0.40	2nd	18	1	0	0	1	9	1	7	6	2	0	4	2	7	3	0
°255	78	5.8	2.43	+0.58	0.55	30th	22	0	1	3	6	9	0	12	2	1	1	2	1	6	6	0
°294	88	7.3	2.24	+0.67	0.41	30th	20	1	4	4	0	9	1	10	3	0	1	3	3	5	6	0
°203	84	5.0	2.80	+0.94	0.68	26th	22	0	3	2	8	5	2	7	7	1	0	1	6	7	2	0
°282	79	6.0	2.38	+0.48	0.70	26th	16	0	5	4	5	12	0	12	3	0	1	4	6	3	2	0
°257	79	6.9	1.28	-0.81	0.22	9th, 26th	17	0	3	4	1	10	2	7	4	0	2	3	4	5	4	2
°261	75	6.4	1.45	-0.50	0.45	11th	14	0	1	2	7	14	0	4	9	1	0	4	5	4	4	0
°263	73	6.6	1.97	+0.11	0.49	31st	12	1	3	4	6	14	1	1	10	3	0	3	7	2	5	0
°299	80	6.0	3.57	?	1.38	26th	15	0	3	1	3	10	4	6	6	2	1	3	4	5	4	0
°325	85	6.7	1.38	-0.41	0.58	26th	16	0	1	1	0	10	1	5	9	2	1	0	3	9	2	0
°317	83	5.6	0.83	-0.94	0.24	11th	13	0	0	0	4	7	0	4	8	0	1	3	5	5	3	2
°278	84	6.6	1.71	-0.63	0.36	13th	15	2	2	1	4	12	2	0	6	1	2	5	4	3	7	3
°237	88	6.3	3.71	?	0.48	14th	21	2	1	0	1	13	0	5	5	6	2	2	5	2	4	0
°240	72	6.1	2.46	+0.62	0.35	8th	18	0	0	0	7	14	2	2	4	6	2	2	4	5	5	1
°285	82	6.4	3.09	+1.19	1.15	14th	19	0	2	0	1	12	3	5	3	6	0	2	5	4	4	2
°295	87	5.4	3.07	+1.04	1.07	14th	18	0	2	0	10	12	0	3	4	7	2	1	2	6	5	1
°293	80	6.7	2.15	+0.59	0.35	31st	17	0	0	2	0	10	1	1	6	6	0	2	2	10	3	1
°265	82	7.2	1.86	?	?	?	20	1	1	0	1	16	4	8	1	3	4	4	1	6	4	0
°280	82	6.5	2.41	+0.15	0.61	13th	21	0	0	1	1	9	9	4	7	3	2	0	6	4	5	0
°283	80	6.7	3.57	?	0.50	7th, 16th	24	0	0	0	2	13	0	8	5	3	1	1	2	3	8	0
°264	78	5.3	2.48	+0.24	0.42	13th	14	2	3	0	9	11	0	0	3	0	5	0	10	1	6	6
°294	79	6.3	2.95	-0.25	0.65	15th	21	0	3	1	1	11	2	5	5	3	1	1	4	4	4	4
°300	83	4.5	0.37	-2.77	0.20	15th	9	0	0	0	0	4	0	9	4	4	3	2	1	5	3	0
°311	80	5.7	2.02	+0.29	0.44	8th	17	0	1	1	0	2	0	8	4	2	1	3	6	3	4	0
°306	78	7.1	2.40	+0.53	0.41	15th	18	0	1	2	0	13	3	3	7	1	3	2	4	5	6	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 1894.

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-centage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	30	30	30	0	30	*	30	*	*	ins.	ins.	ins.	*	214.7	+28.4	42	+5
LAIRG	36.3	52.1	44.2	-3.6	26	22nd	61	23rd	26	1.36	-0.79	0.28	28th	—	—	—	—
GLENCARRON	37.6	52.2	44.9	-2.5	29	21st, 22nd	62	23rd	24	6.20	+1.58	0.74	6th	—	—	—	—
FORT AUGUSTUS	38.2	52.9	45.6	-2.7	27	22nd	65	24th	21	2.48	+0.39	0.45	28th	130.3	?	26	?
FORT WILLIAM	40.5	53.1	46.8	-2.9	31	21st	61	23rd	18	3.74	+0.12	0.83	8th	171.0	?	34	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	195.4	+2.1	39	+1
BRAEMAR	35.1	49.5	42.3	-3.9	24	22nd	62	24th	25	3.99	+1.73	0.59	25th	135.3	?	27	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	170.1	?	34	?
OCHTERTYRE	37.8	56.2	47.0	-1.6	29	21st	67	24th	16	2.28	-0.17	0.42	14th	—	—	—	—
MARCHMONT	39.5	51.5	45.5	-2.6	27	5th	62	25th	18	4.01	+1.65	0.86	14th	176.3	?	35	?
ALNWICK CASTLE	39.6	50.6	45.1	-2.7	31	22nd, 23rd	59	25th	25	2.97	+0.81	0.35	27th	—	—	—	—
DURHAM	38.0	53.4	45.7	-3.0	29	21st, 23rd	60	5th, 11th, 25th	23	2.84	+0.79	0.64	28th	172.7	-4.4	35	-1
SCARBOROUGH	40.8	53.2	47.0	-2.5	35	19th, 20th	64	8th	20	1.73	-0.22	0.33	28th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	152.9	?	31	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	185.2	-1.9	38	0
HILLINGTON	40.8	56.6	48.7	-2.5	32	21st, 22nd	66	16th	21	2.07	+0.22	0.48	26th	182.2	-28.5	37	-6
GELDESTON	41.1	56.6	48.9	-2.1	33	21st, 28th	71	16th	22	3.06	+1.35	0.66	26th	187.0	-42.1	39	-9
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	185.2	-14.6	38	-3
ROTHAMSTED	40.7	56.7	48.7	-2.1	31	21st	66	16th	18	1.95	-0.24	0.52	26th	173.9	?	36	?
BAWTRY	38.9	57.5	48.2	-3.0	27	20th	64	13th, 14th, 15th, 24th, 25th.	17	1.09	-0.97	0.26	9th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	147.0	-27.6	30	-6
STAMFORD (KETTON HALL).	39.8	58.8	49.3	-3.1	31	21st, 22nd	69	25th	17	1.27	-1.16	0.22	26th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	176.5	+0.8	36	0
CHEADLE	39.5	54.0	46.8	-2.7	32	20th, 21st	63	25th	19	1.65	-0.74	0.34	9th	—	—	—	—
CHURCHSTOKE	38.6	54.8	46.7	-2.7	29	21st	65	25th	19	3.48	+1.32	0.79	15th	167.6	-18.4	34	-5
HEREFORD	40.6	57.2	48.9	-3.0	32	20th, 21st	67	25th	15	2.87	+0.78	0.80	15th	—	—	—	—
CIRENCESTER	39.9	56.3	48.1	-2.5	32	28th	65	25th	14	1.78	-0.43	0.50	9th	192.5	-4.4	40	-1
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	185.9	-6.5	39	-1
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	163.5	-21.3	34	-5
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	184.8	?	59	?
STRATHFIELD TURGIS-	41.2	59.0	50.1	-2.1	29	21st	68	25th	17	1.66	-0.13	0.25	29th, 30th	—	—	—	—
HASTINGS	43.2	57.3	50.3	-2.2	36	21st	73	17th	15	1.91	+0.10	0.40	26th	227.2	-10.1	48	-2
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	213.4	?	45	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	220.3	?	46	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	210.8	?	44	?
SOUTHAMPTON	43.1	56.6	51.9	-1.1	34	21st	72	25th	13	1.24	-0.79	0.21	9th, 11th	204.3	-6.3	43	-1
STOWELL	41.3	56.0	48.7	-2.5	32	21st	65	25th	19	2.13	?	0.47	29th	—	—	—	—
LAUDALE	40.7	55.0	47.9	-2.0	31	20th, 21st	64	18th	16	3.50	-0.44	0.72	8th	—	—	—	—
GLASGOW	40.4	53.3	46.9	-2.9	32	20th, 21st	62	24th	18	3.06	+0.67	0.77	13th	157.2	-2.4	32	0
GLENLEE	37.8	54.7	46.3	-2.5	26	22nd	66	24th	20	3.26	+0.29	0.77	14th	—	—	—	—
DOUGLAS	40.9	54.6	47.8	-2.0	31	21st, 22nd	61	15th, 25th	19	4.12	+1.95	0.98	30th	217.5	-6.8	44	-2
STONYHURST	40.3	53.4	46.9	-3.6	30	21st	62	24th	21	3.17	+0.54	0.65	8th	205.6	+13.0	42	+3
BLACKPOOL	42.0	55.7	48.9	-1.7	31	22nd, 23rd	63	18th, 24th	16	2.28	+0.23	0.57	13th	180.7	-20.3	37	-4
MANCHESTER (PRESTWICH).	40.0	53.6	46.6	-3.5	29	21st	63	25th	18	2.65	+0.24	0.45	2nd, 8th	162.5	?	33	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	141.3	?	29	?
LLANDUDNO	43.7	54.0	48.9	-2.7	34	22nd	60	15th, 18th	19	2.42	+0.61	0.60	14th	172.1	-20.3	35	-5
LLANDOVERY	40.2	58.4	49.3	-2.0	27	21st	70	25th	19	3.26	+0.43	0.55	8th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	225.6	+10.3	47	+2
BRISTOL (MONTPELIER)	45.7	59.1	51.4	-0.4	33	21st	70	25th	15	1.87	?	0.43	9th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	199.0	?	41	?
ARLINGTON	41.3	54.7	48.0	-2.0	34	20th, 21st, 22nd	63	24th, 25th	20	3.52	+0.56	0.60	8th	—	—	—	—
CULLOMPTON	41.9	57.6	49.8	-1.6	32	21st	66	25th	16	2.56	+0.38	0.37	30th	192.7	-0.2	40	0
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	202.8	?	43	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	249.2	?	53	?
FALMOUTH	44.9	55.6	50.3	-1.6	37	21st	65	18th	19	2.52	-0.24	0.56	8th	248.5	+32.2	53	+7
PLYMOUTH	44.0	55.8	49.9	-3.7	36	21st, 22nd	69	18th	18	2.47	+0.42	0.41	8th	192.5	-14.2	41	-3
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	254.3	?	54	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	227.3	?	49	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	222.9	-20.2	48	-4
LONDONERRY	41.1	56.2	48.7	-2.7	35	20th, 22nd	69	24th	21	3.00	+0.64	0.57	8th	—	—	—	—
EDENFEL (OMAGH)	38.1	54.5	46.3	-3.6	29	22nd	68	24th	19	2.94	+0.63	0.49	13th	—	—	—	—
MARKREE CASTLE	39.6	55.3	47.5	-2.1	29	22nd	67	18th	23	2.81	+0.78	0.64	13th	188.0	+1.2	38	0
BROCKBOROUGH	39.3	54.8	47.1	-2.7	26	21st	66	24th	21	2.57	+0.05	0.50	29th	—	—	—	—
ARMAGH	39.0	54.8	46.9	-3.5	30	21st, 22nd, 23rd	62	24th, 25th	19	2.45	+0.41	0.54	31st	172.0	-12.5	35	-3
EDGEWORTHSTOWN	39.4	55.5	47.5	-2.6	30	21st	67	24th	17	2.84	+0.40	0.68	13th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	195.6	?	40	?
DUBLIN	43.0	55.4	49.2	-2.7	33	21st	65	25th	17	3.56	+1.57	1.33	15th	207.4	-5.3	43	-1
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	172.7	-15.3	36	-3
KILKENNY CASTLE	41.4	56.9	49.2	-2.3	31	21st	69	18th	16	3.68	+1.68	1.18	15th	—	—	—	—
WATERFORD	41.4	58.8	50.1	-2.1	33	21st, 22nd	69	25th	14	1.98	-0.41	0.45	29th	—	—	—	—
VALENCIA (CAHIR-CIVEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	212.5	+2.8	44	0
KILLARNEY	41.9	57.1	49.5	-2.1	33	21st	67	18th, 24th	22	2.77	?	0.45	9th	—	—	—	—
FOYNES	45.5	56.5	51.0	-0.3	36	20th, 21st	68	24th	16	2.81	?	0.92	15th	—	—	—	—

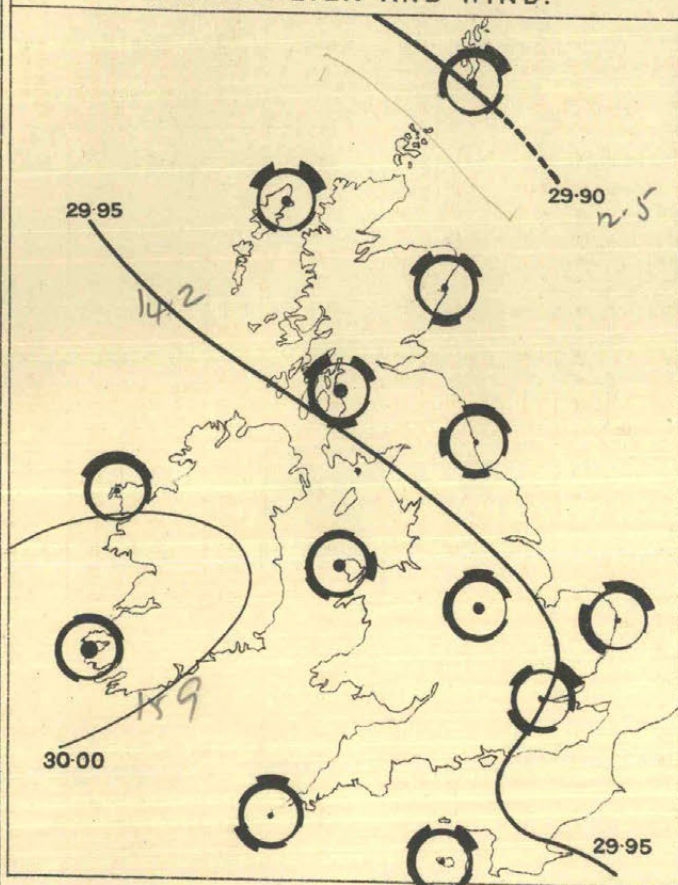
* For information see Table IX.

MONTHLY WEATHER CHART, MAY, 1894.

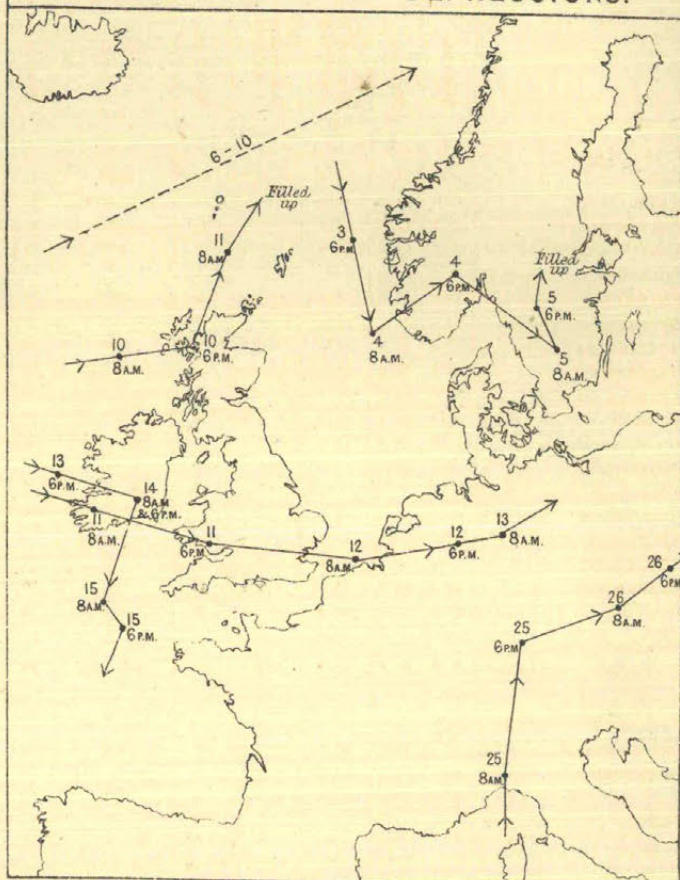
Monthly Summary.

Plate V.

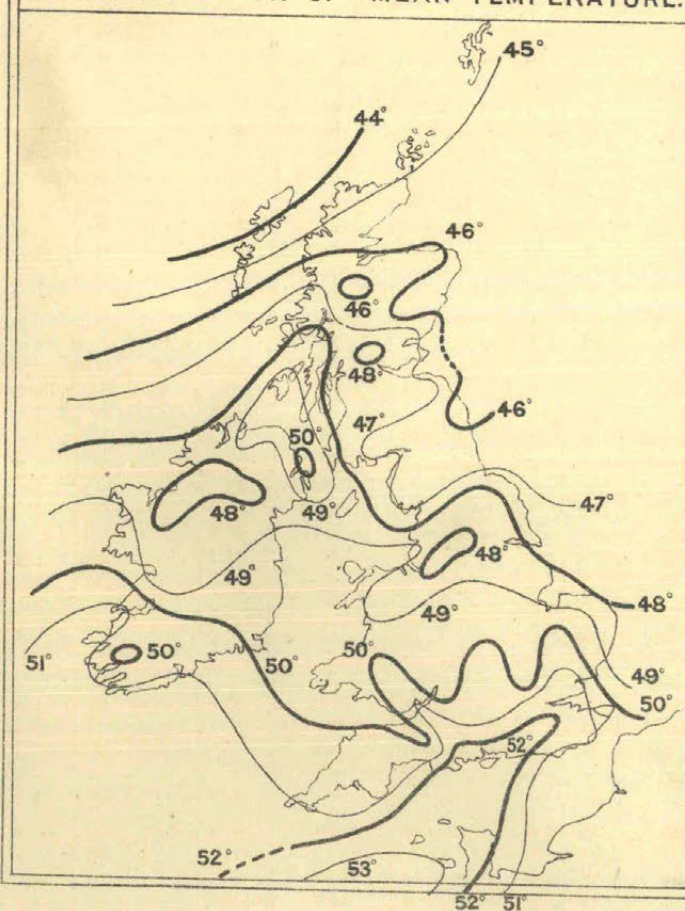
1. BAROMETER AND WIND.



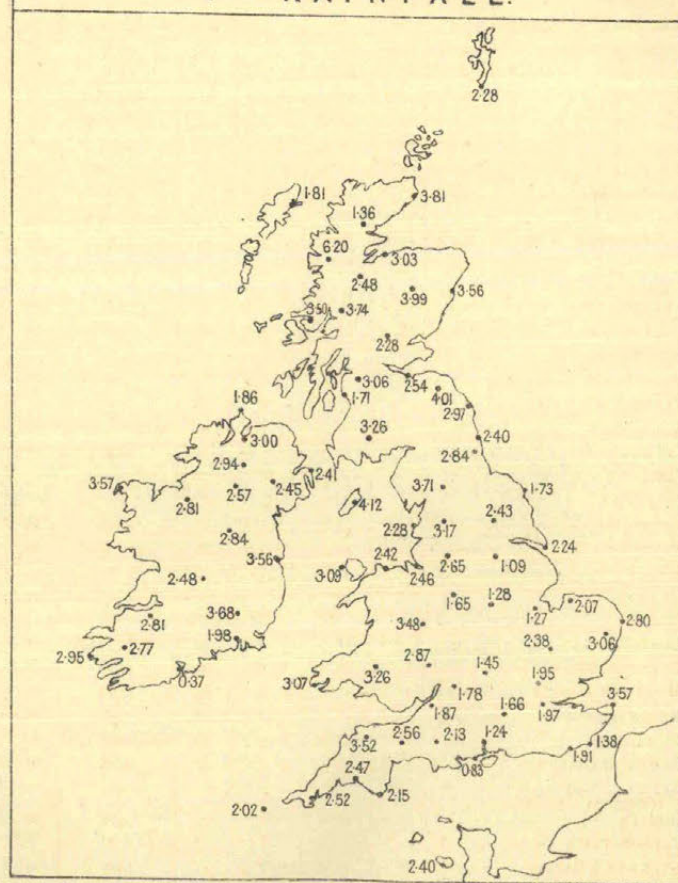
2. MOVEMENTS OF DEPRESSIONS.



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,

JUNE 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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, 134, GRAFTON STREET, DUBLIN.

General Summary.—With the exception of the closing week, the weather of June was mostly cool and unsettled, with frequent showers in all districts, and with heavy falls of rain in the north of Ireland and the north and east of England. Thunderstorms occurred over England and Ireland on the 3rd and 4th, and in isolated parts of the kingdom at various other times during the month. Pressure was slightly above the average; temperature was low generally, but high at the end of the period; the winds were chiefly from the Westward or South-westward; rainfall varied greatly in different localities, but was largely in excess of the average over the northern parts of England and Ireland; bright sunshine was generally deficient.

Pressure.—*Mean for the month at 8 a.m.* ranged from 30·07 ins. at Jersey, and 30·02 ins. and upwards over the south of England generally, to between 29·95 ins. and 29·91 ins. in the west and north of Scotland. The distribution agreed very closely with the normal, but the actual values were a little above the average,* the amount of excess ranging in most places between 0·02 in. and 0·04 in. *Highest* readings were observed as a rule between the 28th and 30th, when the barometer rose to 30·4 ins. and upwards in the northern and eastern parts of Great Britain, and to 30·3 ins. and upwards in most other districts. *Lowest* readings occurred on irregular dates in the various districts, but mostly during the earlier part of the month, the absolute minima being in the majority of cases a little below 29·6 ins. *Range* was moderate.

Depressions.—During the first fortnight several shallow depressions advanced over our Islands from the westward or south-westward, other disturbances being developed about the same time over Denmark, north Germany, and the south of Scandinavia. Later in the month the Atlantic depressions moved well to the northward of our Islands in the direction shown approximately by the arrow A in Map 2 Plate VI.

Anticyclones.—The cyclonic conditions which prevailed during the earlier part of the month were temporarily interrupted on the 13th and 14th by an anticyclone which spread over our Islands from the westward, and again on the 16th by another system which extended over England from the southward. During the closing week the weather was influenced to a more permanent extent by a large anticyclone which gradually formed over north-western Europe, and which ultimately embraced nearly the whole Continent.

Winds were rather variable,—chiefly from the Westward or South-westward over Ireland and England, but from the Southward or South-eastward in Scotland. At a large majority of our stations there was an entire absence of gales, the only locality in which stormy weather was experienced being the western part of the English Channel, where gale force was reached on three or four occasions.

Temperature.—*Mean at Sea Level* ranged from 59° and upwards at several stations in the south of England, and from 58° and upwards over our midland counties to 55° and less on the east coasts of England, and to between 51° and 53° in the north and north-east of Scotland. The general distribution was of a fairly normal type, but the mean values were, as a rule, a little below the average, the only district with any general excess being the extreme north of Scotland. *Highest* readings were observed mostly on the 30th, when the thermometer exceeded 80° in most inland parts of Great Britain, as well as in the north of Ireland; at Lairg, Cambridge, and Southampton it rose to 84°, and at Bawtry to 86°. *Lowest* readings occurred as a rule on the 1st, when the sheltered thermometer fell to 35° or less at many of our western and northern stations, and to 32° or less at Braemar, Glenlee, and Llandoverly. On the surface of the grass frost occurred about this time in several parts of the United Kingdom. *Range* was large,—over 40° in many places, and as much as 51° at Llandoverly, 49° at Braemar, and 48° at Glencarron, Glenlee, York, and Loughborough. *Vapour Tension* ranged from between 0·40 in. and 0·42 in. at the Channel stations to 0·33 in. at Sumburgh Head, and 0·32 in. at Aberdeen. *Relative Humidity* varied from 92 per cent. at Stornoway, and 90 per cent. at Pembroke, to 76 per cent. at Aberdeen, 75 per cent. in London, and 73 per cent. at Liverpool.

Rainfall amounted to less than the average* in the west and north of Scotland, as well as at some of the central and southern stations in England and Ireland. Elsewhere there was an excess,—slight in many places, but large in the north-eastern parts of England and Ireland, where the fall was in some cases more than twice as much as the normal. The largest aggregates reported were 4·7 ins. at Donaghadee, 4·4 ins. at Glencarron, and 4·2 ins. at Scarborough; the smallest being 1·1 ins. at Scilly, 1·3 ins. at Wick, and 1·4 ins. at Nairn. Amounts exceeding an inch in 24 hours were rare, but on the 4th a fall of 2·3 ins. was measured at Donaghadee, and one of 1·3 ins. at Douglas.

Bright Sunshine was generally deficient, the only station reporting more than the average amount being Stornoway, where there was a rather large excess. The per-centage of the possible duration ranged from 44 at Guernsey, 42 at Jersey, and 40 at Stornoway and Hastings, to 26 at Parsonstown, 25 at Oswaldkirk, and 22 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 XL.—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° 922	ins. + 0° 039	51° 9	46° 1	56° 3	51° 2	+ 1° 4	41	1st, 4th, 5th	69	29th, 30th
	Wick	29° 954	+ 0° 056	54° 2	45° 6	59° 0	52° 3	+ 0° 1	36	3rd, 6th	71	27th
	Stornoway	29° 911	+ 0° 035	53° 4	48° 7	57° 9	53° 3	+ 1° 3	44	3rd, 18th	74	28th
1. SCOTLAND, E.	Nairn	29° 934	+ 0° 030	54° 9	44° 3	61° 9	53° 1	- 1° 9	33	3rd	72	30th
	Aberdeen	29° 967	+ 0° 051	54° 6	46° 1	58° 6	52° 4	- 1° 8	37	1st	68	26th
	Leith	29° 961	+ 0° 031	55° 9	47° 7	63° 1	55° 4	- 0° 5	38	1st	74	26th
2. ENGLAND, N.E.	Shields	29° 974	+ 0° 026	54° 6	47° 6	59° 5	53° 6	- 1° 1	42	7th, 19th	69	15th, 17th
	York	29° 995	+ 0° 026	54° 8	48° 3	64° 9	56° 6	- 0° 7	35	1st	83	30th
	Spurn Head	29° 977	+ 0° 013	54° 3	49° 7	58° 8	54° 3	- 1° 6	45	1st	71	22nd
3. ENGLAND, E.	Yarmouth	29° 987	+ 0° 010	55° 5	50° 4	60° 4	55° 4	- 1° 2	42	1st	70	23rd
	Cambridge	30° 019	+ 0° 034	56° 4	48° 6	67° 4	58° 0	- 0° 6	40	1st	84	30th
4. MIDLAND COUNTIES	Loughborough	30° 014	+ 0° 034	56° 1	47° 8	66° 9	57° 4	- 1° 4	34	1st	82	30th
	Oxford	30° 029	+ 0° 043	55° 5	49° 9	64° 9	57° 4	- 0° 8	41	1st	81	30th
5. ENGLAND, S.	London	30° 027	+ 0° 035	57° 8	50° 5	67° 5	59° 0	- 0° 9	44	1st, 12th	82	30th
	North Foreland	30° 014	+ 0° 034	56° 9	51° 5	62° 7	57° 1	+ 0° 3	45	1st	73	25th
	Dungeness	30° 009	+ 0° 027	57° 5	51° 9	62° 1	57° 0	- 0° 8	42	12th	70	30th
	Hurst Castle	30° 028	+ 0° 030	57° 8	52° 3	64° 3	58° 3	+ 0° 2	46	19th	79	30th
6. SCOTLAND, W.	Ardrossan	29° 955	+ 0° 023	54° 5	48° 9	60° 5	54° 7	- 1° 1	41	1st	81	30th
7. ENGLAND N.W.	Hawes Junction*	28° 749	?	50° 4	43° 7	57° 7	50° 7	?	35	7th	76	30th
	Liverpool	29° 997	+ 0° 031	57° 2	51° 3	63° 4	57° 4	0° 0	43	1st	80	29th, 30th
	Holyhead	29° 999	+ 0° 033	55° 4	49° 9	61° 1	55° 5	- 1° 1	44	21st	76	30th
8. ENGLAND, S.W.	Pembroke	30° 001	+ 0° 027	54° 5	51° 1	58° 1	54° 6	- 1° 3	40	2nd	75	30th
	Prawle Point	30° 043	+ 0° 036	55° 4	50° 1	59° 7	54° 9	- 1° 1	45	19th	70	26th
9. IRELAND, N.	Malin Head	29° 943	+ 0° 013	52° 5	49° 6	57° 6	53° 6	- 1° 8	45	1st	74	30th
	Donaghadee	29° 982	+ 0° 036	54° 1	51° 2	61° 1	56° 2	+ 0° 9	45	5th	70	22nd
	Belmullet	29° 977	+ 0° 042	55° 9	49° 7	60° 5	55° 1	- 0° 3	40	25th	79	29th, 30th
10. IRELAND, S.	Parsonstown	29° 995	+ 0° 023	55° 4	47° 7	64° 9	56° 3	- 0° 2	39	1st	79	29th, 30th
	Valencia (Cahiriveen)	30° 004	+ 0° 029	56° 9	52° 0	61° 4	56° 7	0° 0	41	16th	77	30th
	Roche's Point	30° 007	+ 0° 034	56° 5	51° 3	62° 9	57° 1	- 0° 7	42	1st	72	30th
CHANNEL ISLANDS	Scilly	30° 018	+ 0° 022	56° 3	53° 3	60° 4	56° 9	- 0° 3	49	11th	66	30th
	Jersey	30° 073	+ 0° 063	58° 1	53° 9	63° 8	58° 9	+ 0° 3	50	1st, 12th, 19th, 25th.	78	30th

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

REPORTING STATIONS in the BRITISH ISLANDS during the Month of JUNE 1894.

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.
0.326	85	7.4	1.83	-0.15	0.60	23rd	14	0	0	0	0	14	0	4	5	1	2	4	1	7	2	4
348	83	6.3	1.27	-0.47	0.32	23rd	12	0	1	1	7	13	0	3	0	2	3	12	2	1	7	0
377	92	7.1	1.45	-1.40	0.26	19th	14	0	2	0	5	17	1	0	1	5	3	4	5	3	3	6
345	81	6.3	1.39	-0.31	0.48	10th	11	0	0	0	3	6	0	0	2	1	1	0	4	6	5	11
324	76	6.2	1.53	-0.24	0.35	10th	17	0	0	1	0	9	0	1	2	5	6	7	2	1	6	0
349	78	7.1	2.22	+0.42	0.66	4th	16	0	0	0	0	14	0	1	3	6	0	1	5	7	3	4
348	82	7.7	3.20	+1.49	0.79	4th	15	0	0	0	0	13	0	3	5	3	2	2	7	5	3	0
349	81	6.2	3.62	+1.45	0.99	4th	16	0	0	0	9	13	0	4	4	4	2	4	3	3	6	0
360	85	7.6	3.99	+2.45	0.70	5th	15	0	0	0	0	14	0	9	1	1	3	6	3	2	5	0
380	86	5.2	2.78	+0.90	0.89	15th	15	0	0	1	8	4	0	9	2	1	0	3	6	4	5	0
380	84	6.3	1.83	-0.40	0.46	15th	14	0	0	1	3	14	0	7	2	0	2	5	6	6	2	0
359	79	7.8	1.66	-0.56	0.71	4th	12	0	0	1	1	15	0	2	4	1	1	2	7	7	6	0
358	81	7.3	2.79	+0.58	0.99	4th	13	0	0	2	6	17	0	4	7	0	0	3	10	5	1	0
357	75	6.5	2.20	+0.09	0.49	6th	12	0	1	1	8	14	0	1	4	1	0	2	9	4	7	2
373	81	6.4	1.77	?	0.80	6th	14	0	0	1	5	14	0	7	6	0	0	1	3	10	3	0
402	85	7.1	1.50	-0.09	0.83	6th	10	0	0	0	1	12	0	4	5	2	0	0	4	11	4	0
421	87	6.2	1.66	-0.26	0.44	3rd	11	0	0	1	8	15	0	3	7	1	0	2	8	4	4	1
360	85	6.7	1.98	-0.51	0.49	4th	14	0	0	0	6	15	0	0	9	1	1	7	3	5	1	3
330	90	7.1	3.81	?	0.65	4th	19	0	0	0	2	19	0	3	3	3	5	3	5	3	5	0
344	73	6.4	2.29	+0.40	0.66	4th	16	0	0	0	9	15	1	1	0	4	6	4	3	10	2	0
368	84	6.8	1.85	-0.13	0.36	4th	19	0	0	0	3	13	1	0	2	4	0	5	10	3	4	2
382	90	7.3	2.19	+0.25	1.09	3rd	15	0	0	1	6	21	0	3	1	1	6	3	7	4	3	2
374	86	6.5	2.23	+0.63	0.85	6th	18	0	0	1	1	10	2	1	2	6	1	0	6	11	3	0
344	87	8.3	1.62	?	0.33	23rd	17	0	0	1	3	22	0	2	0	4	7	4	5	4	4	0
365	86	7.4	4.68	+2.76	2.26	4th	19	0	0	0	1	14	0	4	5	2	2	2	7	4	4	0
364	81	7.3	1.99	?	0.46	14th	16	0	0	0	3	18	0	2	2	3	1	3	8	4	7	0
368	84	7.4	2.42	+0.03	0.54	4th	12	0	0	2	5	18	0	0	3	0	5	0	10	0	5	7
375	81	7.2	2.32	-0.95	0.43	16th	16	0	0	0	0	14	1	2	5	3	2	2	5	3	5	3
379	83	6.1	2.30	-0.83	1.10	3rd	12	0	1	0	0	9	1	5	1	4	3	3	4	7	3	0
400	88	7.4	1.05	-0.79	0.39	3rd	12	0	0	1	0	9	4	2	2	5	1	2	10	5	3	0
406	83	6.8	1.85	-0.06	0.59	6th	19	0	0	1	3	11	3	0	4	3	2	1	4	10	6	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 1894.

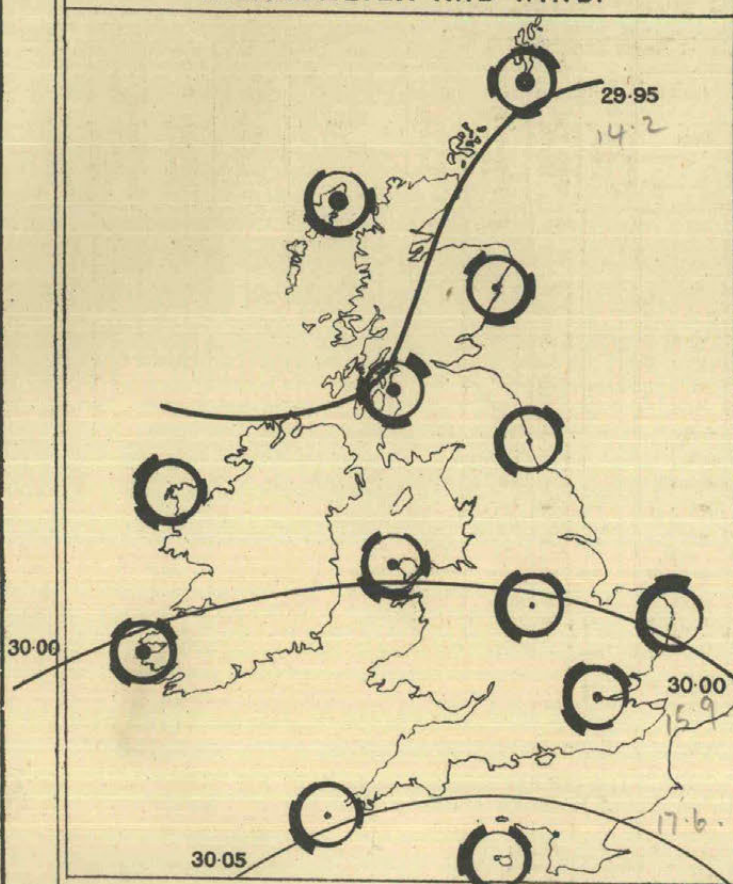
NAMES OF STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Per-centage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	*	°	*	*	ins.	ins.	ins.	*	212'0	+33'1	40	+6
LAIRG	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
GLENCARRON	44'8	61'8	53'3	+0'8	36	6th	84	30th	15	4'39	-0'88	0'71	23rd	—	—	—	—
FORT AUGUSTUS	45'4	60'5	53'0	-1'6	35	6th	75	30th	14	1'95	-0'25	0'39	17th	113'3	?	22	?
FORT WILLIAM	47'4	61'4	54'4	-0'9	37	1st	78	29th, 30th	15	3'14	-0'90	0'89	16th	170'3	?	32	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	177'7	-17'7	34	-3
BRAEMAR	42'8	59'9	51'4	-1'1	31	1st, 6th	80	30th	12	2'02	-0'37	0'50	4th	158'3	?	30	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	142'6	?	28	?
OGHTERTYRRE	45'7	64'9	55'3	+0'2	36	5th	83	30th	16	2'91	+0'19	0'83	10th	—	—	—	—
MARCHMONT	45'1	59'5	52'3	-1'9	37	18th	77	30th	9	2'01	-0'50	0'49	5th	145'8	?	28	?
ALNWICK CASTLE	47'8	58'8	53'3	-0'8	40	6th	66	22nd, 23rd	18	2'53	+0'67	0'68	10th	—	—	—	—
DURHAM	45'9	62'5	54'2	-1'6	36	1st	80	30th	17	3'70	+1'80	0'94	4th	146'3	-15'7	29	-3
SCARBOROUGH	48'4	60'9	54'7	-0'9	41	7th	71	22nd	16	4'24	+2'33	1'02	2nd	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	126'9	?	25	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	151'1	-17'5	30	-3
HILLINGTON	48'6	64'2	56'4	-1'3	38	1st	77	30th	17	3'56	+1'39	0'86	4th	153'3	-39'2	31	-8
GELDESTON	48'8	63'8	56'3	-0'9	40	1st, 8th	72	23rd, 30th	13	2'57	+0'94	0'57	15th	155'8	-56'0	32	-11
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	163'9	-27'8	33	-6
ROTHAMSTED	49'0	64'7	56'9	-0'5	41	14th	79	30th	15	1'91	-0'32	0'38	3rd, 6th	153'7	?	31	?
BAWTRY	48'6	65'9	57'3	-0'3	40	13th	86	30th	12	2'41	+0'15	0'98	4th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	133'5	-23'1	27	-4
STAMFORD (KETTON HALL).	47'5	66'6	57'1	-1'5	36	1st	82	30th	15	1'98	+0'05	0'63	4th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	153'6	-5'3	31	-1
CHADLE	47'6	62'8	55'2	-0'2	38	1st	78	30th	15	2'51	-0'38	0'67	4th	—	—	—	—
CHURCHSTOKE	47'2	64'1	55'7	0'0	36	1st, 19th, 21st	78	30th	15	1'51	-0'65	0'43	3rd	160'6	-16'9	32	-4
HEREFORD	48'3	67'1	57'7	-0'6	37	1st	81	30th	12	1'87	-0'27	0'99	3rd	—	—	—	—
CIRENCESTER	47'8	64'7	56'3	-0'4	35	1st	79	30th	16	2'18	-0'17	0'85	3rd	159'9	-27'5	32	-6
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	152'0	-35'3	31	-7
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	160'8	-13'0	33	-3
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	151'5	?	31	?
STRATHFIELD TURGISSE.	49'3	66'3	57'8	-0'7	43	12th, 14th, 19th	81	30th	18	2'43	+0'44	0'65	3rd	—	—	—	—
HASTINGS	50'6	63'0	56'8	-1'5	43	and, 12th	79	30th	16	1'80	+0'14	0'53	6th	194'2	-24'9	40	-5
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	192'5	?	39	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	183'4	?	38	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	172'5	?	35	?
SOUTHAMPTON	51'6	67'0	59'3	+0'2	45	19th	84	30th	13	2'05	+0'16	0'48	3rd	174'9	-29'3	36	-6
STOWELL	49'7	63'5	56'6	-1'0	40	1st	79	30th	18	2'86	?	0'69	6th	—	—	—	—
LAUDALE	47'6	62'3	55'0	+0'2	40	1st	81	30th	16	3'61	-1'23	0'77	16th	—	—	—	—
GLASGOW	47'6	61'7	54'7	-0'7	39	1st, 6th	81	30th	16	2'92	+0'22	0'62	4th	156'1	-3'3	30	-1
GLENLEE	45'6	62'4	54'0	-0'7	32	1st	80	30th	19	3'25	+0'03	0'69	4th	—	—	—	—
DOUGLAS	47'0	60'6	53'8	-1'3	37	1st	76	30th	21	3'39	+1'24	1'28	4th	176'2	-41'0	35	-8
STONYHURST	48'4	61'4	54'9	-1'6	38	1st	78	30th	19	3'78	+0'53	0'70	2nd	178'8	-6'3	35	-2
BLACKPOOL	48'9	62'7	55'8	-0'6	38	7th	81	30th	18	2'64	+0'54	0'35	4th	161'7	-27'4	32	-5
MANCHESTER (PREST-WICH).	48'5	62'6	55'6	-1'0	37	1st	80	30th	18	3'19	+0'18	0'78	4th	150'3	?	30	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	134'3	—	27	—
LLANDUDNO	50'6	62'2	56'4	-1'0	42	3rd	78	30th	18	1'71	-0'11	0'53	4th	176'9	-1'6	35	-1
LLANDOVERY	47'9	65'9	56'9	-0'9	32	1st	83	30th	19	2'63	-0'33	0'60	3rd, 15th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	150'7	-82'8	31	-16
BRISTOL (MONTPELIER)	51'3	66'5	58'9	+0'5	41	1st	83	30th	13	2'35	+0'08	0'69	3rd	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	162'4	?	33	?
ARLINGTON	48'7	61'9	55'3	-0'7	39	21st	78	30th	20	3'18	-0'10	0'69	3rd	—	—	—	—
CULLOMPTON	49'8	66'5	58'2	+0'5	38	1st	80	30th	14	1'73	-0'61	0'70	6th	167'6	-26'1	34	-6
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	184'8	?	38	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	174'7	?	36	?
FALMOUTH	51'8	61'7	56'8	-0'6	46	1st	68	26th	15	2'47	-0'08	0'72	6th	188'0	-37'4	39	-8
PLYMOUTH	51'3	61'7	56'5	-2'8	43	19th	76	30th	21	2'54	+0'52	0'88	6th	165'3	-37'2	34	-8
SCILLY	—	—	—	—	—	*	*	*	*	*	*	*	*	178'0	?	37	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	209'2	?	44	?
JERSEY	—	—	—	—	—	*	*	*	*	*	*	*	*	201'5	-32'2	42	-7
LONDONERRY	48'0	63'8	55'9	-0'9	40	1st	83	29th	16	2'43	-0'11	0'46	23rd	—	—	—	—
EDENFEL (OMAGH)	46'2	61'5	53'9	-1'9	35	1st, 2nd	80	30th	16	2'62	+0'01	0'40	24th	—	—	—	—
MARKREE CASTLE	46'1	63'1	54'6	-0'4	35	1st	77	30th	17	2'52	-0'52	0'40	11th	145'8	-12'5	29	-2
BROOKBOROUGH	46'7	62'4	54'6	-0'8	38	1st, 6th, 21st	78	30th	13	2'36	-0'52	0'35	17th	—	—	—	—
ARMAGH	46'4	62'0	54'2	-1'8	37	6th	75	30th	17	2'93	+0'80	0'96	4th	139'8	-31'3	28	-6
EDGEWORTHSTOWN	46'6	63'1	55'0	-1'0	36	6th	75	30th	16	1'78	-1'22	0'48	17th	—	—	—	—
ARLEY COTTAGE (Co. CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	135'3	?	27	?
DUBLIN	50'2	63'8	57'0	-0'5	43	6th	73	30th	19	1'65	-0'20	0'41	17th	172'6	-12'3	35	-2
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	128'0	-46'6	26	-9
KILKENNY CASTLE	49'3	64'0	56'7	-0'1	40	1st, 19th	76	30th	14	2'43	+0'22	0'87	17th	—	—	—	—
WATERFORD	48'8	64'6	56'7	-0'4	36	1st	77	30th	14	2'71	+0'29	0'67	3rd	—	—	—	—
VALENCIA (CAHIVREEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	176'4	-21'4	36	-4
KILLARNEY	49'0	63'5	56'3	-0'1	35	1st	76	30th	15	2'57	?	0'63	3rd	—	—	—	—
FOYNES	52'8	63'4	58'1	+1'7	45	20th	77	29th, 30th	13	2'59	?	0'65	4th	—	—	—	—

MONTHLY WEATHER CHART, JUNE, 1894.

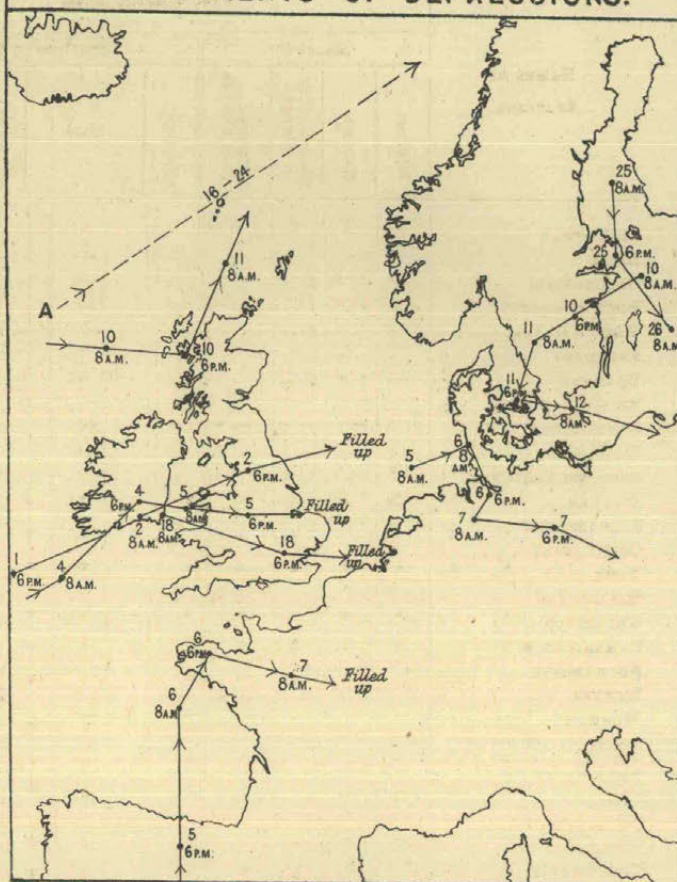
Monthly Summary.

Plate VI.

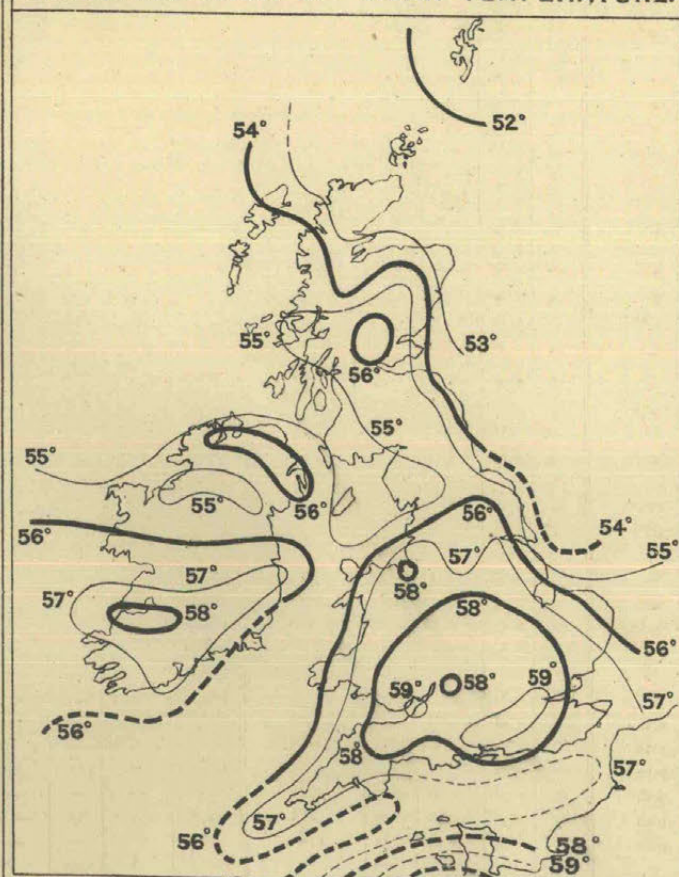
1. BAROMETER AND WIND.



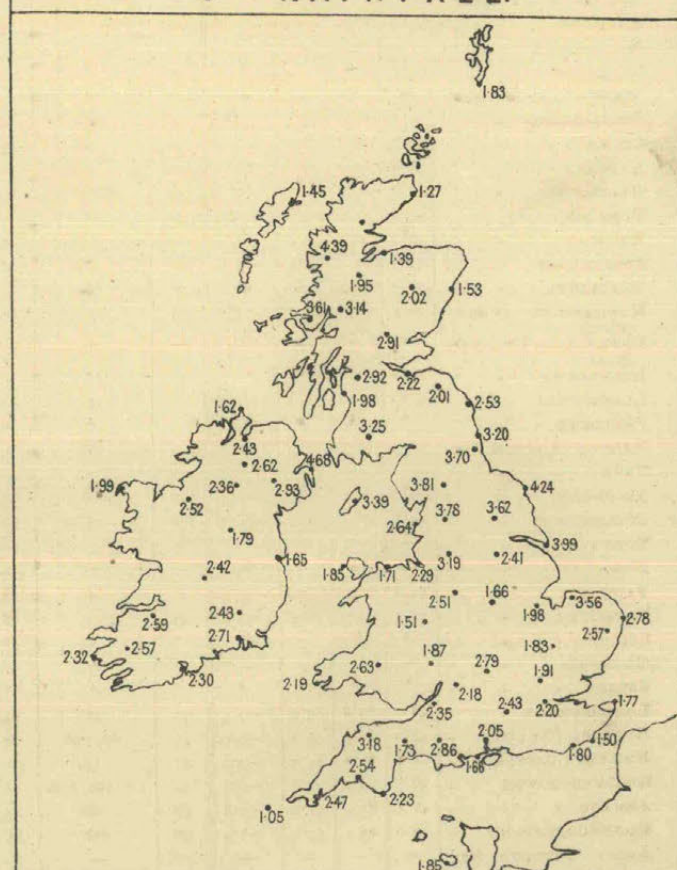
2. MOVEMENTS OF DEPRESSIONS.

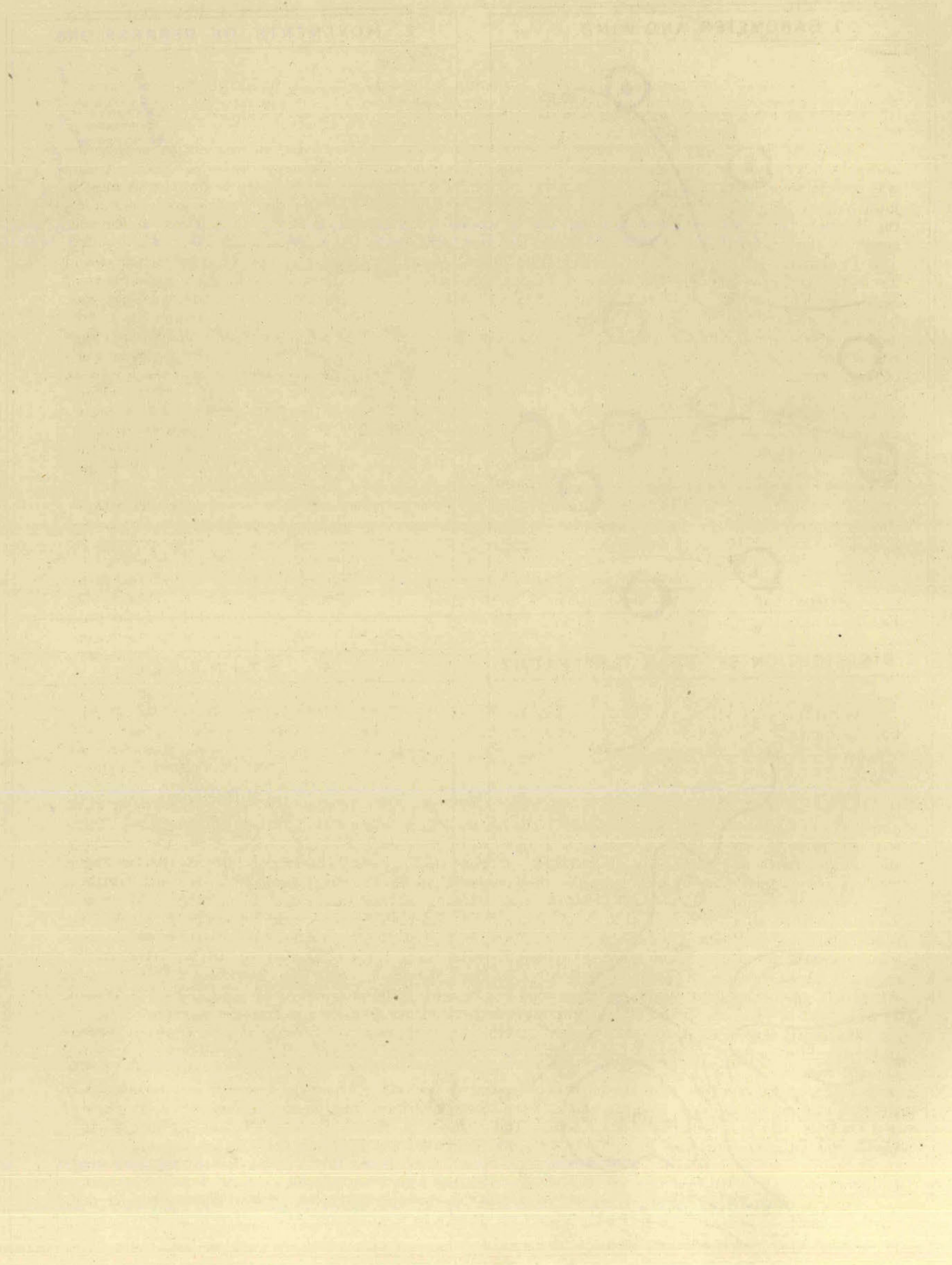


3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.





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

JULY 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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 40, WEST NILE STREET, GLASGOW; AND HODGES, FIGGIS, & Co., LIMITED, 104, GRAFTON STREET, DUBLIN.

General Summary.—The weather of July was exceedingly unsettled, with frequent thunderstorms, and with heavy falls of rain, especially in the south of England and the extreme north of Scotland. Aurora was seen in some parts of England on the night of the 20th. Pressure was slightly below the average in most places; temperature was low in the south, but rather high in the north; the winds were chiefly from the Westward or South-westward; rainfall was in excess of the normal at nearly all stations; and bright sunshine, though fairly abundant in the north, was very deficient in the extreme south.

Pressure.—Mean at 8 a.m. ranged from 29·95 ins. and upwards in the Channel Islands, and 29·90 ins. and upwards over the south of England generally to 29·8 ins. and less in the western parts of Scotland. The general distribution agreed fairly well with the normal, but the actual values were a little below the average* in all districts excepting the extreme north and north-east of Scotland, and as the deficiency was greatest in the south, the mean gradient was somewhat slighter than usual. *Highest* readings were recorded mostly on the 1st, when the barometer rose to 30·35 ins. and upwards in the eastern parts of Great Britain, and to 30·10 ins. and upwards in all but the extreme south-western parts of the kingdom. In the latter districts, however, readings exceeding 30·2 ins. were observed on the 3rd. *Lowest* readings were registered on the 11th and 12th, when the barometer fell to between 29·1 ins. and 29·3 ins. in nearly all districts. *Range* was moderate generally, but rather large for the time of year in the eastern districts.

Depressions were numerous, but in the majority of cases their centres passed outside our western or northern coasts in the directions shown approximately by the arrows A and B in Map 2, Plate VII. Of those which appeared in our immediate neighbourhood the most important was that of the 10–13. The centre of this disturbance advanced in the first instance north-eastwards across the English Channel and the southern parts of the North Sea, but on reaching the Danish coasts it began to move in a north-westerly direction, and finally disappeared to the northward of Scotland. The system was attended throughout its entire course by heavy rains, the south of England being affected on the 10th, Denmark and the south of Norway on the 11th, and the north of Scotland on the 12th.

Anticyclones.—At the commencement of the month an anticyclone covered the greater part of Europe, its gradual dispersal on the 2nd being followed by the arrival of a new high-pressure area off our south-west coasts. The latter system, however, soon moved away to the eastward, and for the remainder of the time the conditions over our islands were mainly cyclonic, the only important exception occurring between the 25th and 28th, when an anticyclone extended from the northward over the northern and eastern parts of Great Britain.

Winds though rather variable, were chiefly Westerly or South-westerly over Ireland and England, but Easterly or North-easterly in the north of Scotland. On our western and northern coasts there was an almost entire absence of stormy weather, but on the east and south-east coasts of England there were two days with gales, and at Jersey three.

Temperature.—Mean at sea level ranged from between 62° and 63° over a considerable portion of the English midland and southern counties to about 58° on the Atlantic coasts of Ireland, and to very little above 57° in Caithness and the Shetlands. The actual values were a trifle below the average* over the southern parts of the kingdom generally, but above it in the north, the excess being greatest (3° to 4°) in the extreme north and north-west of Scotland. *Highest* readings were observed mostly on the 1st, but at some of the eastern and southern stations they occurred on the 6th, the thermometer on one or other of these dates exceeding 80° in most districts and reaching 87° at Cambridge, Llandoverly, and Bristol. *Lowest* readings, which occurred at various times in the different districts, were below 45° at many of the inland stations; at Braemar the thermometer fell to 39°, and at Glenlee and Markree Castle to 40°. *Range* was moderate for the time of year. *Vapour Tension* ranged from between 0·46 in. and 0·48 in. on the south-east coasts of England to 0·40 in. at Leith, Liverpool, and Holyhead, and to 0·39 in. at Aberdeen. *Relative Humidity* varied from only 75 per cent. in London and at Liverpool, and 79 per cent. at Aberdeen, to between 87 and 89 per cent. on most parts of our western and extreme northern coasts.

Rainfall was in excess of the average* generally, but showed a deficiency at several of the stations in the northern parts of England and Ireland. At Stornoway, Dungeness, Hastings, and Scilly the total amount was more than twice as much, and at Jersey nearly three times as much as the normal. The largest aggregates reported were at the widely separated stations, Stornoway, Valencia, and Jersey, where the amounts ranged between 6·8 ins. and 7·2 ins., the smallest amounts being 1·6 ins. at Sumburgh Head and Durham, and 1·8 ins. at Alnwick Castle. The number of rainy days was large in Ireland, Markree Castle and Valencia reporting 28 such occasions, and Belmullet and Killarney 29. Falls exceeding an inch in 24 hours were reported in many places, the largest of all being 2·2 ins. at Bristol and 1·8 ins. at Culmpton on the 24th, and 1·8 ins. at Marchmont on the 2nd.

Bright Sunshine was in excess of the average* in the west and north of Scotland, and also over the northern parts of England and Ireland. Elsewhere there was a deficiency, the departure from the normal being very large in the Channel Islands. The per-centage of the possible duration ranged from 42 at Douglas, and 41 at York and Brighton, to 25 at Edinburgh, 22 at Parsonstown, and 19 at Fort Augustus.

* 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 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, M.	Sumburgh Head	ins. 29°813	in. +0°029	57°8	52°2	61°4	56°8	+4°1	46	21st	67	1st
	Wick	29°834	+°028	57°7	51°4	62°6	57°0	+1°7	42	20th, 25th	68	16th
	Stornoway	29°785	-°010	57°9	52°5	62°7	57°6	+3°0	47	22nd	76	2nd
1. SCOTLAND, E.	Nairn	29°798	-°017	58°5	50°5	65°6	58°1	+0°5	41	8th	74	6th
	Aberdeen	29°831	+°005	58°5	52°4	63°4	57°9	+0°6	45	20th	71	4th
	Leith	29°828	-°016	58°6	52°0	66°7	59°4	+0°4	45	21st	79	6th
2. ENGLAND, N.E.	Shields	29°846	-°021	58°5	52°4	64°0	58°2	0°0	48	1st, 14th, 16th	75	5th
	York	29°868	-°033	59°7	52°4	70°4	61°4	+1°1	46	31st	80	1st, 6th
	Spurn Head	29°855	-°045	59°9	54°5	64°5	59°5	-0°7	50	8th	73	5th
3. ENGLAND, E.	Yarmouth	29°877	-°052	60°4	54°6	65°4	60°0	-0°3	50	8th, 12th, 14th, 15th, 19th, 8th	72	7th
	Cambridge	29°895	-°042	60°9	52°0	72°1	62°1	0°0	46		87	1st
4. MIDLAND COUNTIES	Loughborough	29°894	-°034	59°2	52°1	71°9	62°0	-0°1	47	12th, 14th	83	1st, 6th
	Oxford	29°900	-°046	59°6	53°7	69°2	61°5	0°0	48	4th	83	1st
5. ENGLAND, S.	London	29°905	-°052	62°3	54°5	71°7	63°1	-0°1	49	4th, 8th, 14th	85	6th
	North Foreland	29°899	-°056	62°2	55°6	67°3	61°5	+0°3	51	14th	81	2nd
	Dungeness	29°897	-°060	62°0	56°6	66°6	61°6	0°0	51	4th	77	2nd
	Hurst Castle	29°901	-°067	61°5	57°0	67°3	62°2	+0°5	51	4th	80	1st
6. SCOTLAND, W.	Ardrossan	29°820	-°036	58°9	52°9	64°8	58°9	+0°7	47	23rd	78	1st
7. ENGLAND, N.W.	Hawes Junction*	28°637	?	55°0	48°5	63°2	55°9	?	45	4th, 14th, 16th	75	1st, 6th
	Liverpool	29°864	-°042	60°7	54°1	67°6	60°9	+0°8	49	14th, 15th	81	1st
	Holyhead	29°871	-°039	59°2	53°7	64°8	59°3	+0°2	50	11th	83	1st
8. ENGLAND, S.W.	Pembroke	29°878	-°058	57°8	55°3	61°4	58°4	-0°3	53	23rd	70	1st
	Prawle Point	29°917	-°070	58°5	54°2	62°6	58°4	-0°7	51	4th, 5th, 23rd	69	1st, 2nd, 6th
9. IRELAND, N	Malin Head	29°805	-°050	56°5	53°7	60°8	57°3	-0°1	50	10th	71	1st
	Donaghadee	29°847	-°030	57°5	55°2	63°7	59°5	+2°0	51	9th	70	30th
	Belmullet	29°841	-°024	57°9	53°6	62°1	57°9	0°0	49	11th	80	1st
10. IRELAND, S.	Parsonstown	29°865	-°048	57°0	50°8	65°4	58°1	-0°9	44	17th, 23rd, 26th	79	1st
	Valencia (Cahiriveen)	29°883	-°052	57°7	53°1	62°4	57°8	-1°0	46	22nd	74	1st
	Roche's Point	29°884	-°048	55°5	53°9	63°9	58°9	-0°8	50	12th, 13th, 22nd, 23rd.	68	23rd, 30th
CHANNEL ISLANDS	Scilly (St. Mary's)	29°906	-°068	59°5	56°1	63°2	59°7	-0°6	53	23rd	67	1st, 4th, 26th, 27th.
	Jersey	29°959	-°042	61°6	56°9	66°5	61°7	-0°6	51	4th	81	1st

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

SUMMARY OF OBSERVATIONS, JULY 1894.

xxvii

REPORTING STATIONS in the BRITISH ISLANDS during the Month of JULY 1894.

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.	Show.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
in.	%		ins.	ins.	ins.																	
0.421	87	7.4	1.55	-0.72	0.36	8th, 22nd	13	0	0	0	0	17	0	2	12	4	3	2	1	0	4	3
.417	87	6.3	4.38	+2.04	1.03	12th	16	0	0	4	9	14	0	3	1	1	5	13	0	1	7	0
.425	89	6.0	6.83	+3.81	1.70	2nd	23	0	0	1	5	11	0	3	4	5	3	2	2	1	1	10
.426	86	6.3	4.28	+1.69	1.04	12th	18	0	0	4	3	8	0	0	0	6	1	1	6	6	0	11
.392	79	6.5	4.10	+1.32	1.08	17th	20	0	0	2	0	9	0	2	3	5	6	5	1	5	4	0
.396	80	7.8	2.87	+0.02	0.62	21st	16	0	0	4	0	15	0	0	6	4	1	0	4	12	1	3
.406	83	7.8	2.10	-0.56	0.40	10th	14	0	1	2	0	13	0	4	3	3	2	1	10	2	3	3
.416	82	4.8	3.54	+0.84	0.75	9th	16	0	0	4	14	10	0	7	2	2	3	4	3	8	2	0
.418	82	7.2	2.05	+0.31	0.50	2nd	17	0	0	7	2	16	0	3	4	5	2	2	6	7	2	0
.447	86	4.4	3.61	+0.76	0.57	22nd	18	0	2	9	13	4	2	2	2	3	4	2	3	9	5	1
.443	84	6.5	2.86	+0.44	0.68	22nd	17	0	0	4	6	17	0	2	2	2	2	3	13	4	2	1
.411	82	7.1	2.37	+0.03	0.58	24th	17	0	0	7	2	12	0	2	2	1	4	3	6	7	3	3
.414	81	8.0	3.27	+0.69	0.92	29th	17	0	0	2	3	18	0	1	4	1	3	4	12	5	1	0
.420	75	6.9	3.38	+1.00	1.46	10th	19	0	0	3	6	16	0	1	2	1	2	3	11	6	3	2
.472	85	5.2	3.94	?	0.98	10th	18	0	1	4	8	9	0	2	1	1	3	6	5	10	3	0
.456	82	6.2	4.03	+2.08	0.75	29th	16	0	0	7	1	6	2	2	0	5	1	0	7	13	1	2
.485	80	7.3	4.39	+2.19	0.90	10th	17	0	0	0	3	15	2	1	3	1	2	5	9	4	4	2
.438	89	6.1	3.22	+0.31	1.14	6th	18	0	0	2	7	12	0	3	7	1	2	8	4	3	2	1
.375	87	6.5	4.84	?	0.83	6th	19	0	0	3	4	13	0	4	4	5	3	3	6	5	1	0
.395	75	5.8	3.27	+0.31	0.78	24th	17	0	0	0	9	12	0	0	2	5	7	1	5	8	1	2
.422	85	6.6	2.70	+0.30	1.30	24th	18	0	0	5	1	9	1	1	1	4	0	3	11	5	3	3
.415	86	7.3	2.68	+0.14	0.65	28th	19	0	0	0	1	17	0	0	2	2	5	3	6	7	5	1
.426	86	6.9	4.37	+2.13	0.98	22nd	22	0	0	3	0	9	0	0	3	5	2	1	5	11	4	0
.398	87	8.1	3.25	?	0.61	4th	20	0	0	1	2	22	1	5	1	6	3	4	4	4	3	1
.424	89	7.1	3.84	+1.02	1.06	21st	23	0	0	0	1	11	0	3	3	3	4	4	6	4	4	0
.405	84	7.4	3.37	?	0.51	13th	29	0	0	1	1	15	0	3	1	5	2	1	5	9	5	0
.408	88	7.0	3.81	+0.85	0.60	7th	17	0	1	0	7	16	0	0	0	0	7	0	9	0	4	11
.404	84	8.9	7.22	+3.32	1.43	5th	28	0	0	0	0	22	0	1	1	2	3	4	6	7	5	2
.408	83	6.5	2.14	-1.15	0.50	24th	18	0	1	2	0	10	0	4	1	2	1	4	5	7	7	0
.441	87	7.9	5.23	+2.77	0.85	22nd	24	0	0	2	0	10	1	0	2	1	3	7	5	5	8	0
.450	83	7.7	7.12	+4.72	1.64	10th	20	0	0	6	3	17	5	0	1	3	5	2	7	10	3	0

barometer at this station is not reduced for altitude.

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 1894.

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.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
	°	°	°	°	°	*	°	*	*	ins.	ins.	ins.	*	194.6	+49.5	%	%
STORNOWAY						*	*	*	*				*				+10
LAIRG	49.7	65.8	57.8	+ 2.2	42	17th	78	28th	17	4.25	+1.30	0.85	20th				
GLENCARRON	49.8	65.9	57.9	+ 3.0	42	8th, 23rd	84	1st, 2nd	22	5.54	-0.56	1.00	12th				
FORT AUGUSTUS	51.7	65.3	58.5	+ 1.5	44	8th	82	2nd	18	3.77	+0.63	0.72	12th	97.5	?	19	?
FORT WILLIAM	52.8	66.1	59.5	+ 2.3	46	23rd	82	1st	20	6.24	+0.87	1.55	6th	143.1	?	27	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	157.2	-14.0	30	- 3
BRAEMAR	47.9	63.7	55.8	+ 0.8	39	8th	78	1st, 2nd	18	3.07	+0.16	1.00	2nd	161.7	?	31	?
EDINBURGH														132.0	?	25	?
UCHTERTYRE	50.1	68.2	59.2	+ 1.7	42	22nd	79	1st	20	3.73	+0.37	0.83	6th				
MARCHMONT	51.6	65.9	58.8	+ 1.4	44	16th	79	2nd	10	4.04	+0.55	1.82	2nd	183.8	?	35	?
ALNWICK CASTLE	53.2	64.2	58.7	+ 1.0	46	14th	69	5th	17	1.78	-1.14	0.55	25th				
DURHAM	51.7	69.3	60.5	+ 1.0	45	14th, 16th	79	2nd	15	1.58	-1.40	0.43	21st	178.1	+15.3	35	+ 3
SCARBOROUGH	53.8	67.4	60.6	+ 1.2	49	8th	84	3rd	17	2.57	-0.21	0.54	10th				
OSWALDKIRK														188.3	?	37	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	206.6	+45.0	41	+ 9
HILLINGTON	52.1	70.3	61.2	0.0	46	8th	84	2nd	19	3.41	+0.44	0.75	10th	188.7	- 4.0	38	- 1
GELDESTON	52.3	69.4	60.9	- 0.3	47	1st, 8th	82	2nd	18	3.62	+0.96	0.69	12th	187.7	-18.9	38	- 4
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	185.0	-10.0	37	- 2
ROTHAMSTED	52.3	69.0	60.7	- 0.1	46	8th	81	6th	20	2.27	-0.52	0.59	10th	170.6	?	35	?
RAWTRY	50.6	72.0	61.3	+ 0.5	43	13th	85	1st	18	3.02	+0.26	0.90	25th				
WORKSOP														175.4	+15.5	35	+ 3
STAMFORD (KETTON HALL).	50.7	71.5	61.1	- 0.9	43	14th	84	6th	17	3.03	+0.31	0.95	22nd				
THURCASTON														169.0	+ 5.3	34	+ 1
CHEADLE	51.3	67.2	59.3	+ 0.9	46	8th, 12th, 14th	79	6th	16	2.48	-0.65	0.56	24th				
CHURCHSTOKE	50.8	66.8	58.8	+ 0.3	45	12th, 14th	80	1st, 6th	19	2.07	-0.59	0.66	24th	154.4	-20.5	31	- 4
HEREFORD	52.0	70.1	61.1	+ 0.2	44	14th	84	1st	16	3.12	+0.74	0.65	24th				
CIRENCESTER	51.8	68.4	60.1	+ 0.2	43	4th	83	1st	18	2.70	-0.35	0.66	22nd	174.1	- 9.2	35	- 2
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	172.7	-16.5	35	- 3
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	170.2	- 4.9	34	- 2
MARGATE														187.3	?	38	?
STRATHFIELD TURGIS	52.8	70.2	61.5	- 0.4	44	4th	86	1st	24	3.93	+1.57	1.34	29th				
HASTINGS	55.6	67.7	61.7	- 0.1	51	14th, 20th	82	1st	19	5.79	+3.57	1.33	6th	192.1	-30.3	39	- 6
EASTBOURNE														196.1	?	40	?
BRIGHTON														201.5	?	41	?
WESTBOURNE (SUSSEX).														188.9	?	39	?
SOUTHAMPTON	55.1	69.0	62.1	- 0.2	49	4th	84	1st	22	5.23	+2.57	0.97	29th	173.2	-33.3	35	- 7
STOWELL	52.4	65.8	59.1	- 0.8	46	5th, 8th	82	1st	24	5.64	?	1.14	22nd				
LAUDALE	52.8	66.3	59.6	+ 2.3	45	23rd	82	1st, 2nd	22	4.43	-1.14	0.80	4th				
GLASGOW	51.9	65.5	58.7	+ 0.9	45	23rd	76	1st	15	3.41	-0.13	1.48	6th	156.5	+22.5	30	+ 4
GLENLEE	49.2	67.1	58.2	+ 1.0	40	8th	79	1st	12	2.97	-1.31	1.09	6th				
DOUGLAS	50.5	65.1	57.8	+ 0.3	42	23rd	74	1st	14	2.19	-0.86	0.84	24th	212.6	+16.3	42	+ 3
STONYHURST	52.9	66.4	59.7	+ 0.7	46	14th	79	1st	18	4.31	-0.23	0.93	16th	194.6	+28.3	39	+ 6
BLACKPOOL	53.8	67.9	60.9	+ 1.2	45	14th	82	1st	18	2.35	-0.89	0.56	24th	172.8	- 5.8	34	- 1
MANCHESTER (PRESTWICH).	52.5	68.5	60.5	+ 1.4	44	12th, 20th	82	1st	17	3.39	-0.47	0.89	17th	162.5	?	32	?
„ (OLDHAM RD.)														162.0	?	32	?
LLANDUDNO	55.0	67.0	61.0	+ 0.7	49	12th	83	1st	20	1.93	-0.73	0.66	24th	179.4	+14.9	36	+ 3
LLANDOVERY	52.0	69.6	60.8	+ 1.2	42	14th	87	1st	25	4.24	+0.26	1.29	24th				
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	179.8	-22.3	36	- 5
BRISTOL (MONTPELIER)	55.0	69.3	62.2	+ 1.1	49	4th, 14th	87	1st	21	5.03	+1.82	2.23	24th				
TENBY														169.4	?	34	?
ARLINGTON	52.0	64.0	58.0	- 1.0	46	14th	78	1st	26	5.65	+0.90	0.99	31st				
CULLOMPTON	52.6	67.3	60.0	- 0.4	45	5th, 14th	81	1st	21	5.81	+2.84	1.79	24th	140.1	-37.0	29	- 7
TORQUAY														160.9	?	33	?
NEWQUAY														165.1	?	34	?
FALMOUTH	54.1	64.1	59.1	- 1.1	51	4th, 5th, 7th, 8th, 12th, 13th, 14th	70	6th	22	4.97	+1.69	1.02	23rd	181.5	-29.4	37	- 6
PLYMOUTH	53.4	63.9	58.7	- 2.9	46	5th	74	1st	25	4.52	+1.69	1.02	22nd	157.9	-34.3	33	- 7
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	152.5	?	31	?
GUERNSEY														178.7	?	37	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	169.7	-60.7	35	- 13
LONDONDERY	52.1	67.1	59.6	+ 0.9	46	22nd	85	1st	24	4.30	+0.84	0.45	4th				
EDENFEL (OMAGH)	51.8	64.7	58.3	+ 0.2	45	7th, 10th	80	1st	24	3.08	-0.29	0.35	10th				
MARKREE CASTLE	50.6	64.9	57.8	+ 0.5	40	13th	78	1st	28	5.87	+2.59	0.69	11th	134.3	+ 5.4	27	+ 1
BROCKBOROUGH	51.9	65.2	58.6	+ 1.1	41	22nd	78	1st	22	3.24	-0.35	0.54	17th				
ARMAGH	50.9	65.6	58.3	0.0	45	12th, 22nd	76	30th	24	3.63	+0.44	0.66	24th	153.0	+14.2	30	+ 3
EDGEWORTHSTOWN	51.4	65.7	58.6	+ 0.5	43	13th	75	30th	25	4.48	+0.80	0.85	24th				
ARLEY COTTAGE (COUNTY CAVAN).														141.9	?	28	?
DUBLIN	54.1	66.4	60.3	+ 0.2	48	23rd	76	1st	21	3.77	+1.40	1.56	24th	170.0	+ 9.6	34	+ 2
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	109.8	-37.3	22	- 7
KILKENNY CASTLE	52.8	64.9	58.9	- 0.2	44	7th	75	1st	22	4.71	+2.19	0.68	10th				
VALENCIA (CAHIR-CIVIL).	*	*	*	*	*	*	*	*	*	*	*	*	*	131.0	-26.5	27	- 5
KILLARNEY	51.9	64.0	58.0	- 0.8	44	22nd	76	1st	29	5.22	?	1.02	11th				
FOYNES	54.6	63.9	59.3	+ 0.6	50	6th, 11th, 22nd	78	1st	25	3.91	?	0.51	29th				

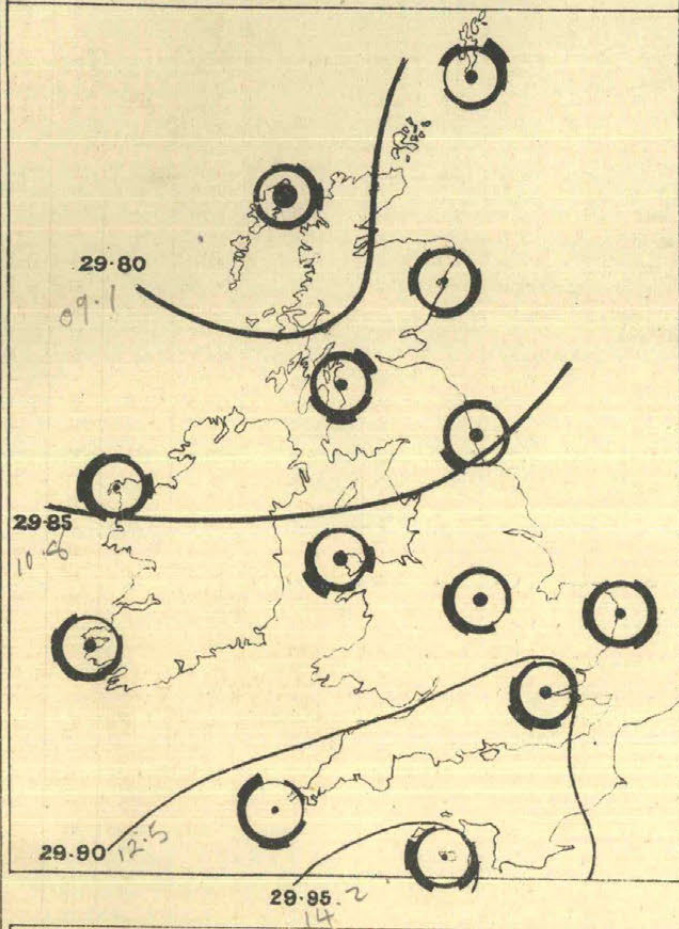
* For information see Table XIII.

MONTHLY WEATHER CHART, JULY, 1894.

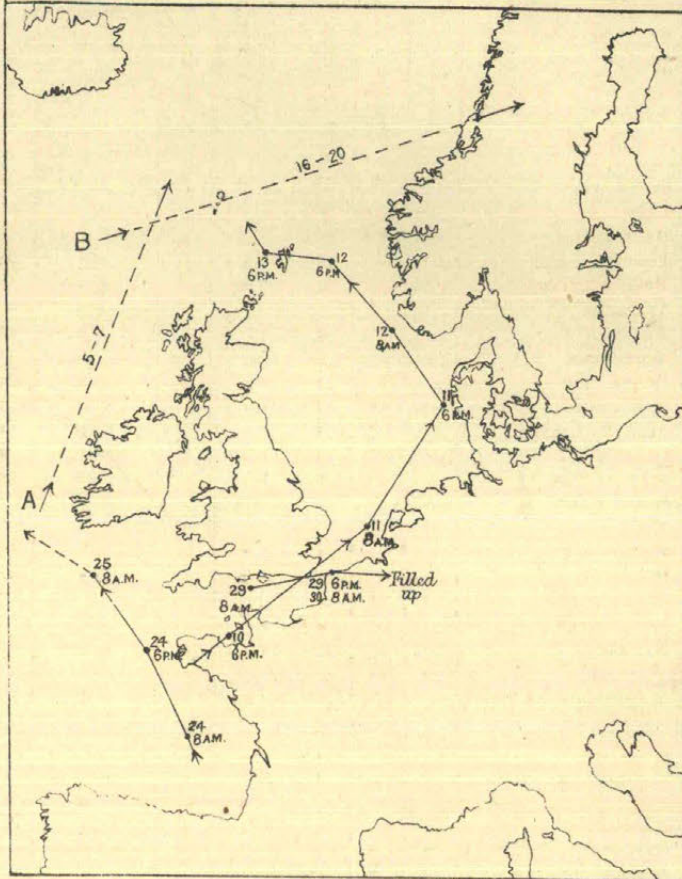
Monthly Summary.

Plate VII.

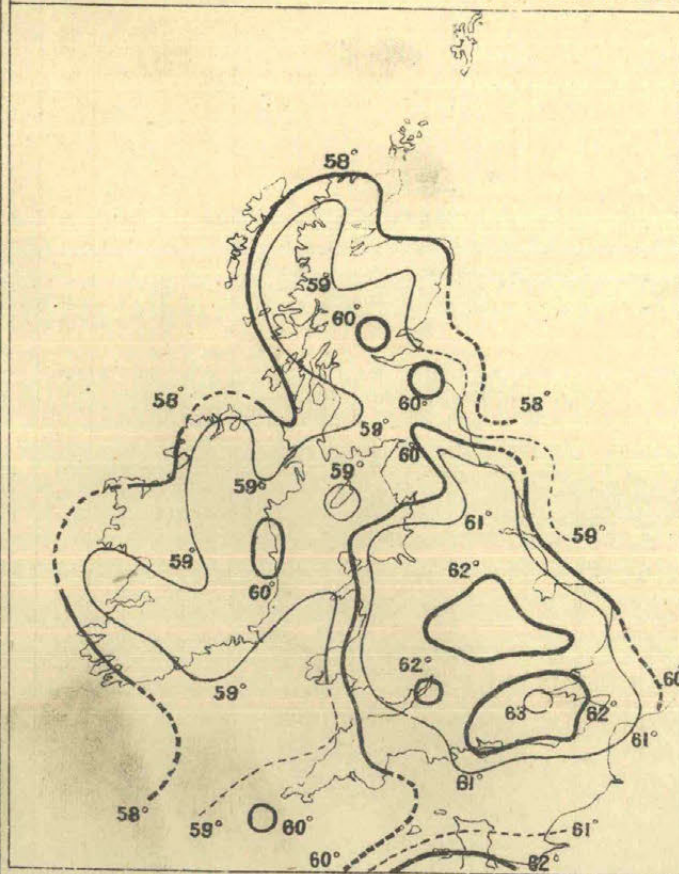
1. BAROMETER AND WIND.



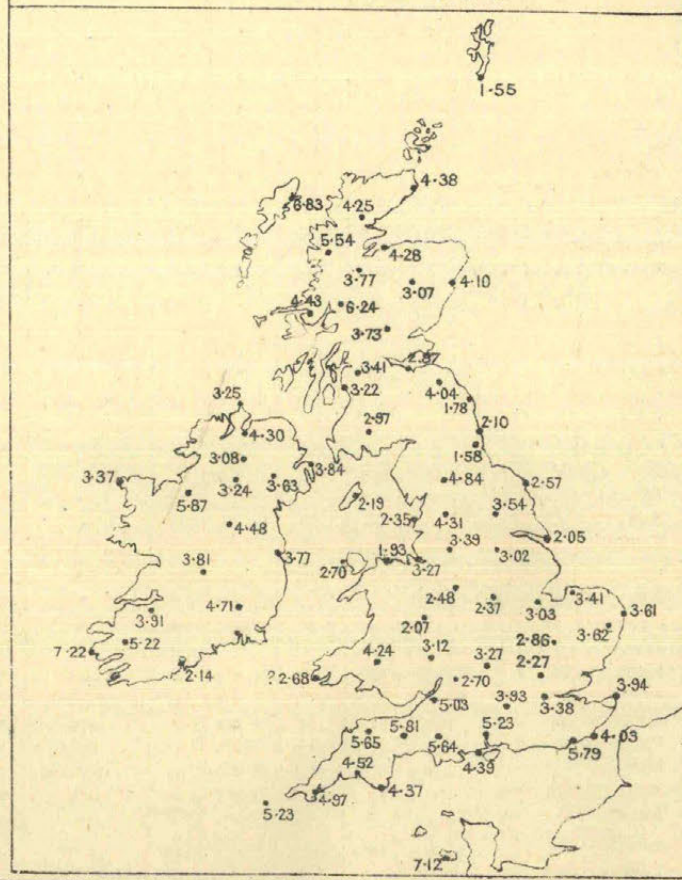
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.



OFFICIAL COPY.

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

AUGUST 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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 exceedingly cloudy and unsettled, with frequent thunderstorms, and with heavy falls of rain, especially in the northern and extreme southern parts of the kingdom. Pressure was rather low in all but the south-western districts; temperature also was below the average; the winds were chiefly Westerly; rainfall varied greatly in amount in different localities, but was in excess of the average; and bright sunshine was very deficient, especially in Ireland.

Pressure.—*Mean for the month at 8 a.m.* ranged from 30·0 ins. in the Channel Islands, and 29·95 ins. and upwards in the south of Ireland and the south-west of England, to 29·80 ins. and less over the northern parts of Scotland generally, and to 29·71 ins. in the Shetlands. In Ireland and the south-west of England the values were slightly above the average,* but in other districts there was a trifling deficit, and, as a result, the mean gradient over our islands was favourable for winds from the northward rather than from the southward of west. *Highest* readings were recorded between the 27th and 30th, when the barometer rose to 30·3 ins. and upwards in Ireland, to 30·2 ins. and upwards over England, and to 30·1 ins. and upwards in all but the extreme northern parts of Scotland. *Lowest* readings were observed on the 14th or 15th, when they ranged from 29·2 ins. and less in the north of Scotland to 29·7 ins. and less in the extreme south of our islands. In the latter districts, however, equally low readings were recorded on several other occasions during the early part of the month. *Range* was moderate generally, but slight in the south.

Depressions.—During the earlier half of the period the depressions (which were rather numerous for the time of year) passed mainly over the northern parts of our islands, and on to the Scandinavian Peninsula. Later on, however, our southern districts were affected by disturbances, which advanced northwards from Spain and the Bay of Biscay, the movements of these systems being in many cases too irregular to permit of their tracks being shown on Map 2, Plate VIII.

Anticyclones.—On the 10th and 11th, and again on the 17th and 18th, an anticyclone spread temporarily over our islands from the westward, the system in each case passing away quickly to the southward. During the 26th and 27th, however, a more permanent area was developed over the United Kingdom, and by the close of the month this had extended over the greater part of the Continent.

Winds.—The prevailing winds were Westerly, excepting in the extreme north and north-west, where they were chiefly from the North-westward or Northward. The gales reported were few in number, and, as a rule, of very little strength. On the 14th and 15th, however, fresh gales were experienced on many parts of our coasts—from the Westward in the west and south, but from the North-westward or Northward in the extreme north and north-west.

Temperature.—*Mean at Sea Level* ranged from 63° and upwards in the Channel Islands and 61° and upwards in the south-east of England to 57° and less in the central and north-western parts of Ireland, and to 55° and less in the Shetlands and Hebrides. The general distribution was fairly normal, but the actual values were in nearly all cases below the average,* the deficit amounting to between two and two and a half degrees at many of the English and Irish stations. *Highest* readings were observed at various times during the month; but in the south of England they occurred mostly on the 31st, when the thermometer rose to 78° at Southampton, to 79° in London, and to 80° at Dungeness. At a large majority of our western and northern stations the absolute maxima were below 70°, and on our extreme north and north-west coasts the thermometer did not reach 65°. *Lowest* readings were registered mainly on the 21st or 22nd, but the lowest of all were observed in Scotland on the 25th or 26th, when the sheltered thermometer fell to 33° at Braemar and to 36° at Nairn. *Range* was slight. *Vapour Tension* ranged from between 0·44 in. and 0·46 in. at the Channel stations, to between 0·35 in. and 0·37 in. in the east of Scotland and the north-east of England. *Relative Humidity* was below 80 per cent. in the east of Scotland, and below 85 per cent. in many parts of England, as well as in the west and south of Ireland. At Ardrossan, however, the per-centage was as high as 90, and at Stornoway it reached 91.

Rainfall varied considerably in amount in the different districts, but was upon the whole in excess of the average* over Great Britain, and below the normal in Ireland. In Scotland and the north-west of England, as well as in the Channel Islands, the excess was large. The highest aggregates for the month were 8·6 ins. at Glencarron, 8·4 ins. at Stonyhurst, and 7·1 ins. at Fort William; the smallest being 1·3 ins. at Dungeness, 1·4 ins. at Spurn Head, and 1·8 ins. at Bawtry and Yarmouth. The number of rainy days was large, exceeding 20 in many places, and reaching 28 at Stornoway and 29 at Markree Castle. Falls exceeding an inch in 24 hours were somewhat frequent, especially in the northern districts, the largest amount of all being 2·0 ins. at Glenlee on the 2nd and at Fort William on the 13th.

Bright Sunshine was very deficient, especially in Ireland; at Parsonstown the amount recorded was less than half the average. The per-centage of the possible duration ranged between 41 and 44 in the Channel Islands, and between 33 and 38 on the south coasts of England, but was below 20 at several of the Irish and Scotch stations. The smallest proportions of all were 11 per cent. at Fort Augustus, 15 per cent. at Manchester (Oldham Road), and 16 per cent. at Fort William and Parsonstown.

* 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 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 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°712	ins. -0°069	54°7	49°5	58°7	54°1	+1°0	41	18th	63	2nd, 3rd, 4th, 8th, 9th, 7th	
	Wick	29°778	-0°32	55°6	49°4	60°3	54°9	+0°2	40	22nd	69		
	Stornoway	29°770	-0°26	55°0	51°2	58°6	54°9	+0°6	41	25th	63	2nd	
1. SCOTLAND, E.	Nairn	29°773	-0°46	55°6	48°1	62°6	55°4	-1°5	36	26th	69	1st	
	Aberdeen	29°789	-0°43	56°1	49°6	62°1	55°9	-0°7	40	26th	69	14th	
	Leith	29°810	-0°39	56°8	50°0	65°8	57°9	-0°6	42	23rd	71	1st, 3rd, 8th	
2. ENGLAND, N.E.	Shields	29°830	-0°41	55°8	50°0	62°5	56°3	-1°5	42	17th	69	8th	
	York	29°868	-0°38	56°7	50°2	65°0	57°6	-2°0	42	21st	70	30th	
	Spurn Head	29°855	-0°50	57°8	53°5	62°8	58°2	-1°5	49	3rd, 21st	68	5th, 14th, 30th	
3. ENGLAND, E.	Yarmouth	29°886	-0°42	58°6	53°6	65°0	59°3	-1°3	47	17th	75	14th	
	Cambridge	29°925	-0°12	57°5	51°4	67°4	59°4	-2°2	45	21st	76	26th	
4. MIDLAND COUNTIES	Loughborough	29°913	-0°15	56°7	51°7	66°9	59°3	-1°8	41	7th	75	26th	
	Oxford	29°937	-0°11	56°5	51°8	65°8	58°8	-2°4	43	21st	75	31st	
5. ENGLAND, S.	London	29°937	-0°17	58°9	53°4	67°8	60°6	-2°1	44	17th, 21st	79	14th	
	North Foreland	29°922	-0°28	60°2	55°3	66°2	60°8	+0°2	48	21st	75	26th	
	Dungeness	29°927	-0°22	60°8	55°7	66°5	61°1	-0°9	45	21st	80	31st	
	Hurst Castle	29°954	-0°11	60°6	56°5	67°0	61°8	-0°2	50	17th, 21st	73	31st	
6. SCOTLAND, W.	Ardrossan	29°825	-0°32	56°2	51°5	61°2	56°4	-1°8	45	26th	67	9th	
7. ENGLAND, N.W.	Hawes Junction*	28°634	?	51°1	46°2	57°3	51°8	?	37	21st	61	8th, 22nd, 29th	
	Liverpool	29°890	-0°16	57°4	53°9	62°4	58°2	-1°8	50	21st	67	8th	
	Holyhead	29°906	-0°01	56°8	53°2	61°0	57°1	-2°4	51	20th, 30th	65	3rd	
8. ENGLAND, S.W.	Pembroke	29°938	+0°10	56°8	54°3	60°8	57°6	-1°8	50	27th	65	27th	
	Prawle Point	29°972	-0°03	58°2	53°7	63°0	58°4	-1°5	49	17th	71	31st	
9. IRELAND, N.	Malin Head	29°843	-0°12	55°4	52°8	58°9	55°9	-1°8	50	16th, 20th, 21st	63	1st	
	Donaghadee	29°875	-0°04	56°2	54°1	62°7	58°4	+1°2	50	26th	69	6th	
	Belmullet	29°926	+0°56	56°9	53°4	60°2	56°8	-2°4	47	22nd	64	22nd, 25th	
10. IRELAND, S.	Parsonstown	29°932	+0°12	55°4	50°4	62°6	56°5	-2°2	45	18th, 22nd, 23rd	67	1st	
	Valencia	29°963	+0°36	57°7	53°5	61°5	57°5	-1°9	45	31st	65	27th	
	Roche's Point	29°963	+0°36	57°8	53°5	63°5	58°5	-1°5	49	17th	68	10th, 13th	
CHANNEL ISLANDS	Scilly	29°975	+0°13	59°2	56°0	63°1	59°6	-1°4	54	3rd, 17th	66	1st, 8th, 22nd, 26th, 30th, 31st	
	Jersey	30°005	+0°21	61°7	57°5	67°2	62°4	-0°6	53	21st	80		

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

SUMMARY OF OBSERVATIONS, AUGUST 1894.

xxx

REPORTING STATIONS in the BRITISH ISLANDS during the Month of AUGUST 1894.

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.	Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
in.	%		ins.	ins.	ins.																	
0.366	86	7.4	4.06	+0.90	1.20	14th	18	0	0	0	0	15	0	5	4	2	3	0	2	5	9	1
396	89	7.7	3.55	+0.98	0.80	19th	21	0	0	1	2	17	1	3	0	1	0	6	0	9	12	0
395	91	7.8	5.05	+1.38	0.76	11th	28	0	0	0	0	17	1	4	6	0	1	2	4	2	10	2
382	86	6.8	3.93	+1.18	0.82	9th	21	0	0	1	0	9	0	2	0	1	0	2	3	13	3	7
354	78	6.2	4.70	+1.67	1.44	2nd	19	0	0	3	0	8	6	0	2	1	0	3	4	8	13	0
367	79	7.4	3.27	+0.71	0.95	2nd	17	0	0	0	0	15	0	2	1	3	1	0	7	14	1	2
372	83	7.8	3.24	+0.39	0.78	9th	19	0	0	0	0	15	0	2	2	1	0	2	11	8	3	2
384	84	5.7	2.79	+0.25	0.48	25th	18	0	0	1	8	9	0	4	1	1	1	3	5	13	3	0
392	82	6.8	1.41	-0.45	0.39	25th	20	0	0	1	1	11	0	2	2	1	1	1	7	10	7	0
407	83	4.6	1.83	-0.32	0.70	23rd	20	0	0	2	7	2	0	1	3	1	2	1	5	10	7	1
408	86	7.7	2.56	+0.37	0.64	23rd	18	0	0	1	6	21	0	4	2	0	1	0	14	3	0	1
395	86	7.5	2.50	-0.03	0.63	25th	22	0	0	1	1	14	5	0	0	3	2	2	6	12	4	2
387	85	7.9	2.48	+0.24	0.44	25th	17	0	0	2	4	21	0	1	2	2	2	3	8	7	4	2
400	81	6.3	3.00	+0.79	0.94	23rd	15	0	0	2	7	11	0	0	0	1	1	4	6	9	7	3
435	84	6.5	2.14	?	0.69	10th	15	0	0	4	2	14	1	4	0	2	1	3	3	12	6	0
448	84	7.4	1.26	-0.78	0.22	10th	21	0	0	3	0	11	3	4	3	1	0	1	5	11	5	1
451	85	8.3	2.49	+0.23	1.68	24th	9	0	0	1	0	16	2	0	3	3	0	2	9	7	6	1
408	90	6.8	2.81	-0.97	0.98	13th	16	0	0	0	4	14	1	1	3	0	0	7	4	11	5	0
352	93	8.2	6.09	?	1.75	2nd	21	0	0	0	0	22	0	3	1	3	2	4	9	6	3	0
379	80	8.4	3.06	+0.23	1.06	2nd	18	0	0	0	1	19	4	0	1	3	1	4	6	13	2	1
397	86	8.3	2.53	-0.24	1.14	25th	17	0	0	0	0	16	12	4	1	4	0	1	10	7	4	0
405	87	6.9	2.49	-0.28	0.68	23rd, 25th	17	0	0	1	5	18	1	1	2	7	1	0	4	8	8	0
430	88	7.5	3.46	+1.32	1.20	24th	16	0	0	2	0	11	1	1	4	2	2	0	5	11	6	0
379	87	8.0	2.29	?	0.27	7th	23	0	0	0	2	22	2	3	0	3	1	4	7	4	9	0
402	89	7.2	1.74	-1.30	0.29	8th	23	0	0	0	1	15	2	1	4	1	0	0	7	8	10	0
389	84	7.7	2.11	?	0.25	3rd	26	0	0	0	1	16	2	8	3	2	0	1	6	2	9	0
389	88	8.9	2.06	-0.42	1.35	25th	15	0	0	0	3	25	0	0	1	0	1	0	16	0	7	6
408	85	9.2	3.92	-0.78	0.57	23rd	22	0	0	0	0	25	2	2	4	2	0	3	7	7	3	3
404	84	7.5	3.65	+0.03	1.15	25th	12	0	0	2	0	12	1	4	1	2	3	0	2	10	9	0
439	88	7.8	2.91	+0.52	0.75	5th	19	0	0	1	0	11	1	3	3	3	1	0	7	5	9	0
460	84	8.5	4.09	+1.85	0.96	6th	19	0	1	2	2	22	1	1	1	5	1	1	7	10	5	0

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 1894.

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 Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
	°	°	°	°	°	*	°	*	*	ins.	ins.	ins.	*			%	%
STORNOWAY -	-	-	-	-	-	*	*	*	*	*	*	*	*	102'9	- 17'4	22	- 4
GLENCARRON -	47'6	59'1	53'4	- 1'2	39	25th	66	1st	27	8'60	+ 2'00	1'38	11th	-	-	-	-
FORT AUGUSTUS -	48'9	61'6	55'3	- 1'0	37	25th	68	1st	20	5'47	+ 2'42	1'32	13th	52'9	?	11	?
FORT WILLIAM -	50'5	60'3	55'4	- 1'3	42	22nd	66	25th	22	7'06	+ 1'36	2'04	13th	76'0	?	16	?
ABERDEEN -	*	*	*	*	*	*	*	*	*	*	*	*	*	142'3	- 13'0	31	-
BRAEMAR -	45'7	59'8	52'8	- 1'1	33	25th	66	29th	21	5'53	+ 1'79	1'92	2nd	99'8	?	22	?
EDINBURGH -	-	-	-	-	-	-	-	-	-	-	-	-	-	133'6	?	29	?
OCHTERTYRE -	47'5	65'6	56'6	- 0'3	42	20th, 26th	71	9th	15	5'38	+ 1'89	1'59	2nd	-	-	-	-
MARCHMONT -	47'7	62'7	55'2	- 1'2	40	26th	67	1st, 8th, 29th, 30th.	14	3'85	+ 0'39	0'82	9th	131'0	?	28	?
ALNWICK CASTLE -	49'6	61'7	55'7	- 1'3	42	22nd, 24th	68	1st	20	2'73	- 0'32	0'90	9th	-	-	-	-
DURHAM -	48'8	64'5	56'7	- 1'8	41	23rd	72	30th	20	2'51	- 0'26	0'45	9th	108'4	- 44'3	24	- 9
SCARBOROUGH -	51'0	63'9	57'5	- 1'1	45	19th	69	3rd	20	3'38	+ 0'71	0'58	3rd	-	-	-	-
OSWALDKIRK -	-	-	-	-	-	-	-	-	-	-	-	-	-	108'5	?	24	?
YORK -	*	*	*	*	*	*	*	*	*	*	*	*	*	122'6	- 24'4	27	- 5
HILLINGTON -	50'6	66'8	58'7	- 1'8	44	17th, 21st	75	26th	21	2'26	- 0'46	0'25	8th	128'7	- 45'4	28	- 11
GELDESTON -	51'4	67'1	59'3	- 1'4	44	17th	78	14th	22	2'05	+ 0'16	0'63	23rd	144'7	- 47'0	32	- 11
CAMBRIDGE -	*	*	*	*	*	*	*	*	*	*	*	*	*	158'5	- 18'1	36	- 4
ROTHAMSTED -	51'3	65'4	58'4	- 1'9	43	21st, 30th	75	14th, 26th	20	3'46	+ 1'04	1'30	24th	†	†	†	†
BAWTRY -	49'7	65'5	57'6	- 2'2	41	20th, 22nd	71	1st	17	1'75	- 0'65	0'51	25th	-	-	-	-
WORKSOP -	-	-	-	-	-	-	-	-	-	-	-	-	-	104'0	- 44'7	23	- 10
STAMFORD (KETTON HALL). -	50'1	66'9	58'5	- 2'5	42	7th, 21st	74	26th	21	2'00	- 0'26	0'39	25th	-	-	-	-
THURCASTON -	-	-	-	-	-	-	-	-	-	-	-	-	-	108'2	- 48'8	24	- 11
CHEADLE -	49'9	62'1	56'0	- 1'8	43	21st	68	1st	21	2'61	- 0'95	0'58	25th	-	-	-	-
CHURCHSTOKE -	49'5	63'1	56'3	- 2'0	42	21st	71	26th	16	3'12	+ 0'41	0'81	25th	124'3	- 42'5	28	-
HEREFORD -	50'9	65'7	58'3	- 2'2	41	21st	72	8th, 26th, 30th	16	2'46	+ 0'04	1'29	25th	-	-	-	-
CIRENCESTER -	49'9	64'3	57'1	- 1'9	39	21st	72	31st	19	2'53	- 0'51	0'57	25th	111'4	- 68'3	25	- 15
OXFORD -	*	*	*	*	*	*	*	*	*	*	*	*	*	128'7	- 53'9	29	- 12
LONDON -	*	*	*	*	*	*	*	*	*	*	*	*	*	128'4	- 35'9	29	- 8
MARGATE -	-	-	-	-	-	-	-	-	-	-	-	-	-	149'1	?	34	?
STRATHFIELD TURGIS -	51'7	67'6	59'7	- 1'8	39	21st	77	14th	22	2'56	+ 0'43	0'72	24th	-	-	-	-
HASTINGS -	54'8	65'4	60'1	- 2'2	47	17th, 21st	70	26th, 31st	21	2'01	- 0'37	0'39	8th	151'2	- 52'7	34	- 12
EASTBOURNE -	-	-	-	-	-	-	-	-	-	-	-	-	-	146'8	?	33	?
BRIGHTON -	-	-	-	-	-	-	-	-	-	-	-	-	-	160'0	?	36	?
WESTBOURNE (SUSSEX) -	-	-	-	-	-	-	-	-	-	-	-	-	-	161'0	?	36	?
SOUTHAMPTON -	54'1	68'7	61'4	- 0'7	45	21st	78	31st	15	1'99	- 0'63	0'63	24th	157'8	- 45'1	36	- 10
STOWELL -	52'2	64'7	58'5	- 1'6	46	17th	75	31st	19	2'57	?	0'97	25th	-	-	-	-
LAUDALE -	50'5	60'6	55'6	- 1'3	44	22nd, 24th, 25th	66	1st	21	4'41	- 0'83	1'45	13th	-	-	-	-
GLASGOW -	49'9	61'2	55'6	- 1'3	45	21st, 23rd, 25th, 28th.	66	9th	16	5'39	+ 1'62	1'44	2nd	131'5	+ 1'6	29	+ 1
GLENLEE -	48'3	62'7	55'5	- 1'0	37	21st	68	1st	17	3'91	- 0'09	2'00	2nd	-	-	-	-
DOUGLAS -	51'0	61'3	56'2	- 1'0	44	22nd	66	9th	18	2'83	- 0'74	0'59	2nd	120'3	- 50'4	26	- 12
STONYHURST -	51'4	60'3	55'9	- 2'7	43	21st	64	1st, 4th, 5th, 21st.	23	8'38	+ 3'67	1'32	1st	90'9	- 58'8	20	- 13
BLACKPOOL -	53'7	63'3	58'5	- 0'9	48	27th	68	5th, 8th	18	4'53	+ 1'47	1'11	2nd	96'0	- 62'9	21	- 14
MANCHESTER (PRESTWICH). -	52'3	61'3	56'8	- 2'1	44	22nd	66	8th, 22nd	22	4'68	+ 1'15	1'12	2nd	78'4	?	17	?
MANCHESTER (OLDHAM ROAD). -	-	-	-	-	-	-	-	-	-	-	-	-	-	66'9	?	15	?
LLANDUDNO -	54'5	62'4	58'5	- 1'7	49	30th	66	1st, 3rd, 6th, 26th.	23	2'76	+ 0'09	0'57	25th	90'8	- 65'4	20	- 15
LLANDOVERY -	49'3	65'3	57'3	- 2'4	40	21st, 30th	76	27th	26	4'79	+ 0'23	0'80	1st	-	-	-	-
PEMBROKE -	*	*	*	*	*	*	*	*	*	*	*	*	*	146'2	- 55'1	33	- 12
BRISTOL (MONTPELIER) -	53'6	66'0	59'8	- 0'9	47	30th	75	31st	20	3'03	- 0'29	0'93	25th	-	-	-	-
TENBY -	-	-	-	-	-	-	-	-	-	-	-	-	-	152'2	?	30	?
ARLINGTON -	50'9	62'6	56'8	- 2'0	44	28th	71	31st	23	4'68	- 0'29	0'69	25th	-	-	-	-
CULLOMPTON -	52'3	66'2	59'3	- 0'4	44	31st	76	31st	18	3'24	+ 0'49	0'81	25th	122'4	- 61'4	28	- 13
TORQUAY -	-	-	-	-	-	-	-	-	-	-	-	-	-	157'1	?	36	?
NEWQUAY -	-	-	-	-	-	-	-	-	-	-	-	-	-	168'4	?	38	?
FALMOUTH -	54'5	63'1	58'8	- 1'7	51	17th	68	31st	18	3'66	+ 0'08	0'96	22nd	164'8	- 41'4	37	- 10
PLYMOUTH -	53'4	64'3	58'9	- 2'8	47	17th, 20th	70	27th, 29th, 31st	19	3'02	+ 0'23	0'87	22nd	132'9	- 61'9	30	- 14
SCILLY -	*	*	*	*	*	*	*	*	*	*	*	*	*	181'1	?	41	?
GUERNSEY -	-	-	-	-	-	-	-	-	-	-	-	-	-	183'3	?	42	?
JERSEY -	*	*	*	*	*	*	*	*	*	*	*	*	*	192'7	- 50'2	44	- 11
LONDONDERRY -	51'2	62'6	56'9	- 1'4	45	25th	70	25th	26	2'51	- 1'28	0'31	8th	-	-	-	-
EDENFEL (OMAGH) -	49'3	60'8	55'1	- 2'2	37	22nd	67	2nd	25	2'44	- 1'15	0'38	9th	-	-	-	-
MARKREE CASTLE -	50'0	62'1	56'1	- 1'0	39	22nd	68	1st	29	2'31	- 1'29	0'31	13th	97'1	- 30'7	21	- 7
BROOKEBOROUGH -	50'1	61'9	56'0	- 1'0	38	22nd	67	22nd	24	3'48	+ 0'04	0'68	8th	-	-	-	-
ARMAGH -	50'0	62'1	56'1	- 1'8	40	22nd	68	3rd	22	2'35	- 0'56	0'30	14th, 25th	96'2	- 22'2	21	- 5
EDGEWORTHSTOWN -	49'7	61'4	55'6	- 2'0	39	22nd	67	1st	18	4'00	+ 0'57	0'81	25th	-	-	-	-
ARLEY COTTAGE (COUNTY CAVAN). -	-	-	-	-	-	-	-	-	-	-	-	-	-	88'3	?	19	?
DUBLIN -	52'7	63'1	57'9	- 1'6	47	20th, 22nd	68	1st, 6th, 8th	18	3'73	+ 0'94	1'37	25th	103'5	- 58'1	23	- 13
PARSONSTOWN -	*	*	*	*	*	*	*	*	*	*	*	*	*	70'2	- 75'2	16	- 16
KILKENNY CASTLE -	51'8	62'8	57'3	- 1'7	44	17th	67	6th, 8th, 10th, 19th.	16	3'34	- 0'01	0'92	25th	-	-	-	-
VALENCIA (CAHIR-CIVEEN). -	*	*	*	*	*	*	*	*	*	*	*	*	*	87'2	- 74'1	20	- 16
KILLARNEY -	52'3	62'5	57'4	- 1'9	45	31st	68	13th	21	3'14	?	0'73	23rd	-	-	-	-
FOYNES -	53'1	60'7	56'9	- 1'7	49	16th	65	1st	22	4'49	?	0'94	23rd	-	-	-	-

* For information see Table XV.

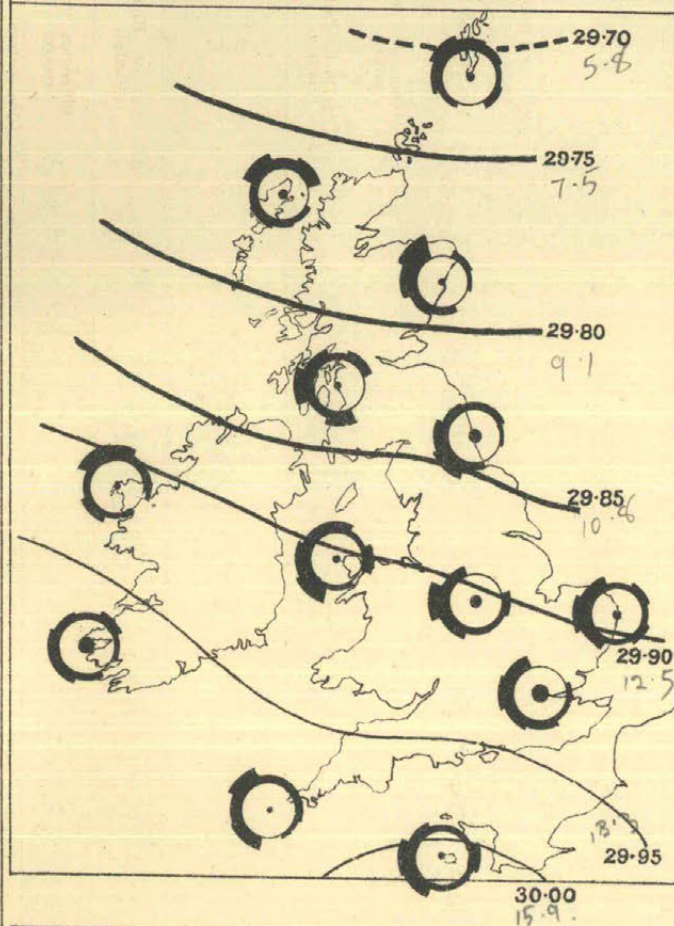
† Records incomplete.

MONTHLY WEATHER CHART AUGUST 1894.

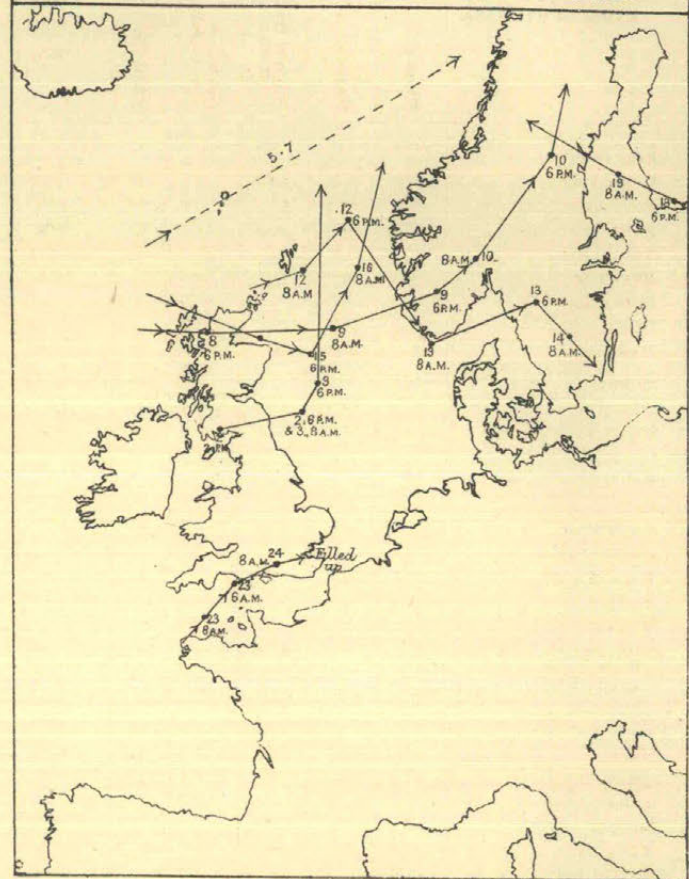
Monthly Summary.

Plate VIII.

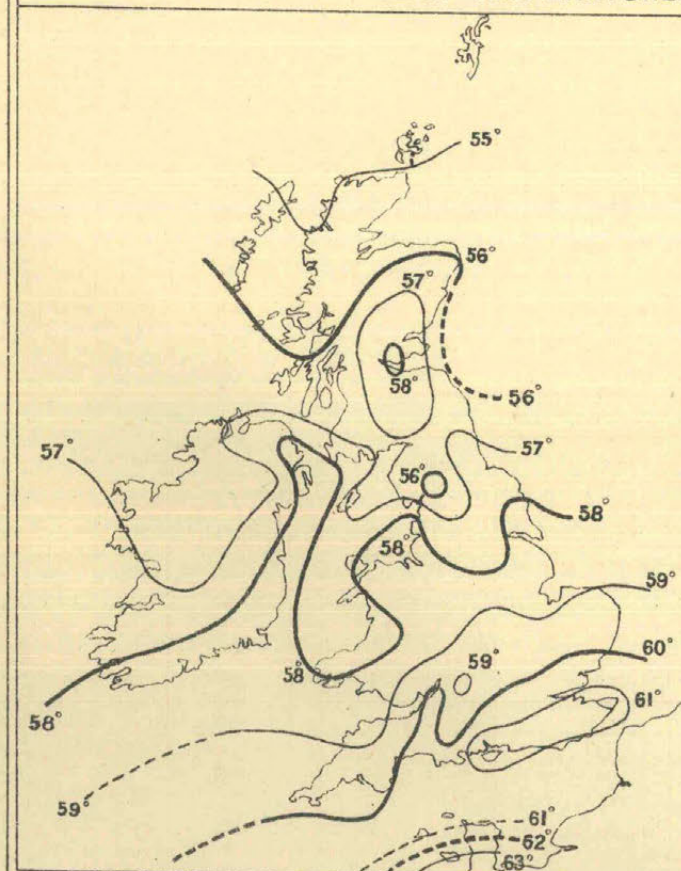
1. BAROMETER AND WIND.



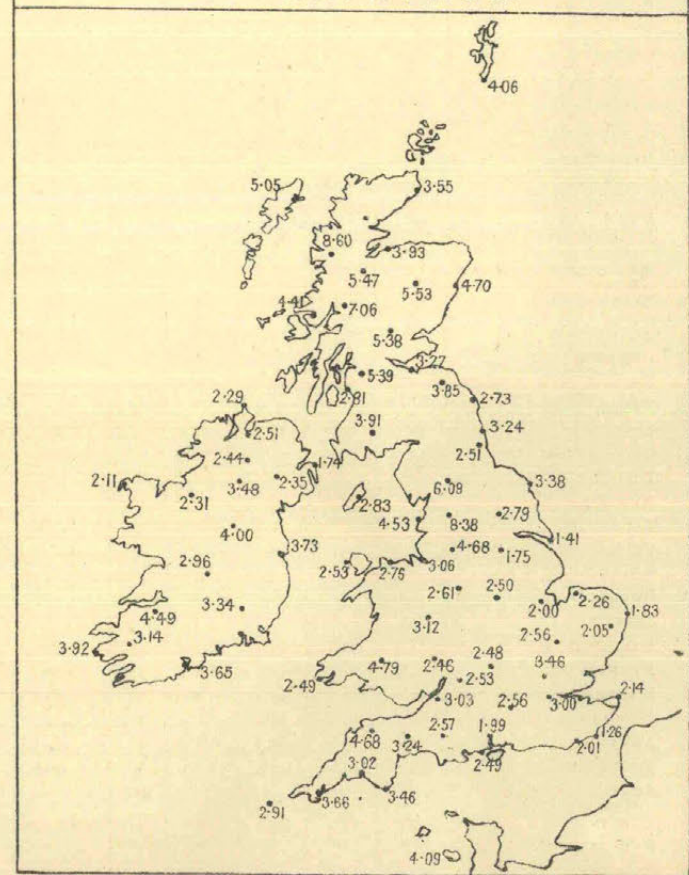
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.



OFFICIAL COPY.

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

SEPTEMBER 1894.

(*Issued as a Supplement to the Weekly Weather Report, 1894.*)

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.—In the western and northern parts of the United Kingdom the weather was mostly fair and dry, the absence of rain in the west of Scotland and the north of Ireland being quite remarkable. Over the eastern, central, and southern districts, however, cloud and mist were very prevalent, with occasional thunderstorms, and with one or two heavy falls of rain locally. Pressure was high, especially in the north; temperature was below the average; the winds were Northerly or North-easterly; rainfall was very deficient at all but the eastern and southern stations; bright sunshine was fairly abundant in the western districts, but less than the average in the east.

Pressure.—*Mean* at 8 a.m. ranged from 30·20 ins. and upwards over Scotland and the greater part of Ireland to about 30·10 ins. on the coasts of Norfolk and Kent, and also in the Channel Islands. The general distribution was anticyclonic, and the mean values were above the average,* the excess being comparatively slight (0·10 in. to 0·15 in.) in the east and south of England, but very considerable (0·30 in. and more) in Scotland and the north of Ireland. *Highest* readings were observed in most places on the 30th, when the barometer rose to 30·5 ins. and upwards in the northern parts of Great Britain, and to 30·4 ins. and upwards in all other parts of the kingdom. In the south of Ireland, however, the mercury was highest (30·5 ins. and upwards) on the 10th. *Lowest* readings occurred on the 25th, when the barometer ranged from a little below 29·6 ins. in the extreme south of England to about 29·85 ins. over the northern parts of Great Britain. *Range* was moderate in the south, but very slight in the north.

Depressions were of little importance, and were confined almost exclusively to the southern parts of our area. The only disturbance of any note was formed over the south of Norway on the 6th, whence it passed southwards to Holland and eastwards to North Germany, where it gradually dispersed. On the night of the 7th a small secondary depression appeared off the north of Ireland and travelled quickly south-eastwards, across our islands, but filled up on reaching the Straits of Dover.

Anticyclones.—The two principal systems observed were:—(1.) A large area which lay off our western coasts early in the month, but which afterwards spread eastwards over nearly the whole Continent, its influence being felt over our islands until about the 20th; (2.) a system which advanced over the northern parts of our islands on the 27th, and which also extended over the whole of north-western and northern Europe.

Winds were mainly Northerly over the northern and eastern parts of the kingdom, and North-easterly in the west and south, the proportion of breezes from the latter quarter being exceptionally large for the time of year. Over the country generally there was an entire absence of gales, but in the north-east of Scotland a slight one from the North-westward was experienced on the night of the 11th.

Temperature.—*Mean* at sea-level ranged from 59° and upwards in the Channel Islands and from 56° and upwards on the south coast of England to 52° and less over central Ireland, and to 51° and less in the Shetlands, the Hebrides, and some parts of central Scotland. The general distribution showed a distinct tendency towards the wintry type, and the actual values were everywhere below the average,* the deficit being greatest (two and a half to three and a half degrees) over the central parts of England and Ireland. *Highest* readings were observed over England on the 1st, but in Ireland and Scotland they occurred at various times, mostly about the middle of the month. With the exception of a few English stations the absolute maxima were below 70°, and in the north of Scotland and the north-west of England they were below 65°. *Lowest* readings occurred between the 28th and 30th, when slight frost was experienced at several of the most central stations. *Range* was moderate generally, but amounted to 40° at Loughborough, Markree Castle, and Brookeborough, and to 44° at Llandoverly. *Vapour Tension* ranged from 0·40 in. or more in the Scilly and Channel Islands to between 0·30 in. and 0·32 in. over central Ireland, the north-west of England, and the east of Scotland. *Relative Humidity* exceeded 90 per cent. at several of the central and southern stations in England and also over central Ireland, the highest value of all being 95 per cent. at Cambridge. The lowest per-centages were 78 at Liverpool and 80 at Aberdeen, Leith, Holyhead, and Valencia.

Rainfall was considerably less than the normal at all stations excepting one or two in the extreme south of England, the deficit being especially marked in the west of Scotland, the north-west of England, and the northern and central parts of Ireland. In the first and last-named regions the total fall amounted to but a mere fraction of the average,* and in some places it was the smallest observed, not only in September, but in any other month, for very many years past. The largest aggregates reported during the month were 3·7 ins. at Hastings, 3·4 ins. at Bristol, and 3·3 ins. at Cirencester, the smallest being 0·08 in. at Glasgow and 0·10 in. at Armagh and Edgeworthstown (several other stations in the west of Scotland and the north of Ireland had less than a quarter of an inch). Over the southern parts of England one or two extremely heavy falls were experienced locally: thus, at Eastbourne 2 ins. were measured between 2 and 9 a.m. on the 8th, while at High Wycombe the newspapers report that 2½ inches fell on the 23rd in the space of an hour and a half.

Bright Sunshine was deficient in all the more eastern and central parts of the kingdom, but was in excess of the average* in the western and south-western districts. The per-centage of the possible amount ranged from 51 at Scilly and from 45 or more at several other south-western stations to 24 at Stornoway, Fort Augustus, Edinburgh, and in London, and to only 21 at Manchester (Oldham Road).

* 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

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. 30°144	ins. +0°347	50°6	46°3	54°6	50°5	-0°1	42	24th, 28th, 30th.	59	4th, 17th
	Wick	30°206	+°377	50°7	46°8	56°8	51°8	+0°2	40	2nd	62	20th
	Stornoway	30°213	+°398	51°2	44°7	56°1	50°4	-0°7	37	27th	62	13th, 17th
1. SCOTLAND, E.	Nairn	30°211	+°368	50°4	43°6	58°6	51°1	-1°8	35	17th, 26th	65	14th
	Aberdeen	30°205	+°347	51°6	45°8	57°3	51°6	-1°4	37	10th	68	11th
	Leith	30°207	+°326	52°3	46°0	60°5	53°3	-1°4	39	28th	69	13th
2. ENGLAND, N.E.	Shields	30°188	+°285	52°1	46°9	57°0	52°0	-2°3	38	8th	66	11th
	York	30°180	+°241	50°6	45°3	60°2	52°8	-2°5	37	27th, 28th	68	11th
	Spurn Head	30°132	+°203	54°5	50°5	57°9	54°2	-2°4	45	27th, 28th	62	11th
3. ENGLAND, E.	Yarmouth	30°102	+°154	55°4	50°2	59°2	54°7	-2°1	44	5th, 29th	65	11th
	Cambridge	30°149	+°184	51°3	46°3	61°3	53°8	-3°1	36	29th	69	1st, 11th
4. MIDLAND COUNTIES	Loughborough	30°177	+°218	49°7	44°7	61°7	53°2	-3°2	30	28th, 29th	70	1st
	Oxford	30°157	+°186	50°6	46°5	60°9	53°7	-2°8	36	28th, 29th	69	1st, 11th
5. ENGLAND, S.	London	30°134	+°156	52°5	48°2	61°7	55°0	-3°0	35	28th	71	1st
	North Foreland	30°100	+°130	56°5	52°6	60°3	56°5	-1°2	45	5th	65	1st
	Dungeness	30°087	+°117	55°2	49°6	61°7	55°7	-2°5	37	29th	69	5th
	Hurst Castle	30°119	+°128	54°7	50°8	63°2	57°0	-1°2	42	29th	71	1st
6. SCOTLAND, W.	Ardrossan	30°213	+°328	52°6	46°1	59°4	52°8	-1°7	37	28th	66	16th
7. ENGLAND, N.W.	Hawes Junction*	28°945	?	46°0	40°8	54°5	47°7	?	31	28th	63	15th
	Liverpool	30°193	+°258	53°1	49°5	58°9	54°2	-1°8	42	29th	62	1st, 2nd, 21st, 24th.
	Holyhead	30°196	+°267	54°4	50°4	58°7	54°6	-2°1	44	28th, 30th	64	10th, 16th
8. ENGLAND, S.W.	Pembroke	30°155	+°207	54°3	50°8	59°3	55°1	-1°5	45	29th, 30th	65	12th
	Prawle Point	30°115	+°117	55°8	50°6	61°0	55°8	-1°5	43	30th	70	1st
9. IRELAND, N.	Malin Head	30°220	+°340	52°6	50°9	56°4	53°7	+0°1	45	30th	63	16th, 30th
	Donaghadee	30°222	+°317	53°2	47°9	59°4	53°7	-0°7	36	28th	65	10th, 15th
	Belmullet	30°226	+°336	53°8	49°4	59°8	54°6	-2°1	40	27th	65	16th, 17th
10. IRELAND, S.	Parsonstown	30°220	+°283	47°3	41°4	60°7	51°1	-3°4	32	30th	64	10th, 12th, 13th
	Valencia (Cahiriveen)	30°185	+°238	54°5	48°6	61°7	55°2	-1°5	40	6th, 7th, 9th, 10th.	67	14th
	Roche's Point	30°195	+°249	54°3	49°7	61°7	55°7	-0°7	44	7th, 9th	69	12th
CHANNEL ISLANDS	Scilly (St. Mary's)	30°112	+°141	57°6	54°4	60°6	57°5	-0°8	49	5th	65	19th, 22nd
	Jersey	30°107	+°119	59°5	54°3	64°1	59°2	-0°9	45	5th	71	1st

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

SUMMARY OF OBSERVATIONS, SEPTEMBER 1894.

XXXV

REPORTING STATIONS in the BRITISH ISLANDS, during the Month of SEPTEMBER 1894.

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.	Calms.
ins.	%		ins.	ins.	ins.	6th																
0.310	84	8.2	0.55	-2.77	0.09	6th	16	0	0	0	0	13	0	13	1	0	0	1	3	4	4	4
0.316	86	7.4	0.78	-1.75	0.23	23rd	14	0	0	0	3	16	1	5	3	1	2	2	0	0	13	4
0.345	92	7.1	0.47	-3.63	0.12	4th	14	0	0	0	2	14	0	8	2	0	0	2	2	4	2	10
0.320	88	7.0	0.68	-1.90	0.20	4th	12	0	0	0	0	7	0	3	2	0	0	0	0	11	5	9
0.308	80	6.5	0.61	-2.36	0.09	4th	17	0	0	0	0	7	2	5	1	0	1	2	1	4	16	0
0.324	80	6.7	0.46	-1.88	0.19	23rd	9	0	0	0	5	16	0	3	2	5	2	0	5	6	4	3
0.339	86	7.5	0.52	-1.98	0.15	1st	11	0	0	0	1	12	0	9	6	3	0	0	3	4	4	1
0.325	88	5.4	1.53	-1.17	0.81	5th	10	0	1	1	12	11	0	11	5	3	0	0	0	4	7	0
0.352	83	7.2	1.39	-0.63	0.35	5th	9	0	0	0	0	12	1	8	7	3	0	0	0	3	9	0
0.363	83	4.6	2.19	-0.72	0.66	25th	17	0	1	0	8	3	0	8	9	4	0	0	0	3	6	0
0.357	95	7.5	1.93	-0.33	1.05	25th	14	0	0	1	4	17	0	15	6	3	0	0	1	1	4	0
0.321	90	7.1	0.83	-1.93	0.36	25th	8	0	0	1	3	13	0	5	7	3	0	0	0	7	7	1
0.335	91	7.4	1.74	-0.92	0.49	7th	10	0	0	2	6	19	0	14	11	1	0	0	1	1	1	1
0.344	87	7.8	1.31	-1.04	0.32	7th	15	0	1	1	5	21	0	4	12	2	1	0	2	2	4	3
0.398	87	6.8	1.65	?	0.30	7th	16	0	0	1	5	15	2	12	2	7	2	0	0	3	4	0
0.398	91	7.1	2.68	+0.04	0.53	7th	16	0	0	0	1	9	0	10	6	6	0	1	0	1	5	1
0.390	91	7.4	2.47	-0.54	0.78	2nd	10	0	0	1	2	17	0	11	12	2	1	1	0	0	3	0
0.348	86	5.4	0.13	-3.54	0.08	1st	6	0	0	0	8	8	0	3	11	3	1	1	1	1	4	5
0.287	93	6.5	1.05	?	0.38	5th	9	0	0	1	3	14	0	5	4	9	4	0	0	2	6	0
0.319	78	6.6	0.91	-2.39	0.29	3rd	6	0	0	0	6	12	0	3	7	7	1	0	0	4	2	6
0.340	80	6.5	0.29	-2.94	0.10	7th, 26th	6	0	0	0	1	8	0	4	9	9	1	0	0	0	5	2
0.349	82	4.9	1.62	-1.96	0.40	7th	7	0	0	0	8	9	0	4	9	12	2	0	0	0	1	2
0.377	84	7.1	2.54	+0.08	0.60	21st	15	0	0	1	1	10	0	3	17	6	1	1	0	0	2	0
0.337	85	7.9	0.24	?	0.12	24th	4	0	0	0	5	22	0	5	5	5	5	2	3	3	2	0
0.352	87	5.6	0.35	-2.69	0.17	26th	5	0	0	0	3	4	0	5	5	10	1	0	0	2	7	0
0.353	85	6.0	0.63	?	0.12	7th	17	0	0	0	4	11	0	7	8	8	2	0	3	1	1	0
0.304	94	6.4	0.31	-2.85	0.12	7th	3	0	0	0	10	18	0	1	1	0	5	0	5	1	6	11
0.342	80	6.7	1.33	-3.20	1.02	7th	5	0	0	0	2	13	0	3	9	11	2	1	0	1	1	2
0.354	83	5.3	1.67	-2.41	0.60	21st	7	0	0	0	0	4	1	15	2	7	4	0	0	0	2	0
0.405	85	6.4	1.64	-1.77	0.52	2nd	8	0	0	0	0	6	0	6	8	10	2	1	0	2	1	0
0.409	81	6.7	2.81	-0.24	0.52	25th	15	0	1	6	4	13	0	2	12	5	2	0	3	2	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 1894.

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-centage of possible Duration.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.								
STORNOWAY	°	°	°	°	°	°	°	ins.	ins.	ins.	°	°	92.2	-14.3	24
GLENCARRON	42.1	57.6	49.9	-1.0	35	26th	65	11	0.42	-6.39	0.08	10th, 14th	—	—	—
FORT AUGUSTUS	42.9	58.1	50.5	-2.1	36	2nd, 17th, 28th	68	9	0.41	-3.37	0.16	4th	90.0	?	24
FORT WILLIAM	46.5	58.5	52.5	-0.6	37	25th, 27th, 28th	64	5	0.28	-6.42	0.12	10th	147.0	?	39
ABERDEEN	°	°	°	°	°	°	°	°	°	°	°	°	119.7	+4.0	32
BRAEMAR	40.0	55.4	47.7	-1.9	30	3rd	65	12	0.96	-2.49	0.68	4th	107.6	?	29
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	91.2	?	24
OCHTERTYRE	43.3	62.1	52.7	-0.3	36	26th, 27th	68	5	0.21	-3.40	0.11	4th	—	—	—
MARCHMONT	45.2	57.3	51.3	-1.2	38	9th	67	14	1.51	-1.82	0.29	28th	104.0	?	28
ALNWICK CASTLE	46.6	55.6	51.1	-2.0	40	2nd, 12th, 16th	65	17	1.19	-1.73	0.27	5th	—	—	—
DURHAM	44.4	58.1	51.3	-2.7	36	13th	69	15	0.87	-1.56	0.22	1st	94.3	-11.9	25
SCARBOROUGH	47.8	58.4	53.1	-1.8	40	30th	68	13	2.16	-0.62	1.02	5th	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	109.3	?	29
YORK	°	°	°	°	°	°	°	°	°	°	°	°	115.8	+10.5	31
HILLINGTON	46.0	60.2	53.1	-2.9	37	11th, 29th	69	16	2.15	-0.61	0.89	5th	111.7	-10.8	30
GELDESTON	46.1	60.7	53.4	-3.4	38	29th	72	19	1.99	-0.63	0.35	25th	122.9	-24.7	33
CAMBRIDGE	°	°	°	°	°	°	°	°	°	°	°	°	110.9	-24.2	30
ROTHAMSTED	46.8	59.3	53.1	-2.5	34	28th	66	15	2.03	-0.73	0.66	23rd	?	?	?
BAWTRY	44.2	60.1	52.2	-3.2	35	27th	66	9	0.47	-2.00	0.17	25th	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	102.5	-7.7	27
STAMFORD (KETTON HALL).	44.8	62.2	53.5	-2.6	33	29th	69	14	1.15	-1.86	0.31	25th	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	101.4	-6.3	27
CHEADLE	45.4	58.5	52.0	-1.9	38	29th	65	4	0.80	-2.51	0.37	25th	—	—	—
CHURCHSTOKE	43.4	59.2	51.3	-2.7	30	28th	66	7	1.31	-1.47	0.53	7th	107.9	-17.0	29
HEREFORD	46.0	60.2	53.1	-2.7	33	28th	68	8	2.66	-0.13	0.93	7th	—	—	—
CIRENCESTER	46.0	58.8	52.4	-2.6	35	28th	67	10	3.31	+0.12	1.07	7th	116.3	-4.0	31
OXFORD	°	°	°	°	°	°	°	°	°	°	°	°	111.6	-22.3	30
LONDON	°	°	°	°	°	°	°	°	°	°	°	°	91.1	-21.2	24
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	113.8	?	30
STRATHFIELD TURGISSE	46.1	61.3	53.7	-2.8	33	29th	71	11	2.42	-0.13	1.04	7th	—	—	—
HASTINGS	50.4	61.6	56.0	-2.7	42	29th	69	16	3.66	+0.92	0.94	24th	127.6	-31.1	34
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	124.9	?	33
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	146.1	?	39
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	138.8	?	37
SOUTHAMPTON	48.6	53.9	56.3	-1.6	38	29th	74	11	1.76	-1.28	0.60	7th	119.8	-30.0	32
STOWELL	46.7	60.3	53.5	-2.0	35	29th	71	15	2.90	?	0.69	7th	—	—	—
LAUDALE	43.3	59.6	51.5	-1.9	34	27th	65	5	0.22	-6.56	0.09	10th	—	—	—
GLASGOW	45.2	58.2	51.7	-1.3	36	28th	64	6	0.08	-3.87	0.03	1st	116.6	+21.0	31
GLENLEE	46.6	60.0	50.3	-2.4	29	28th	67	2	0.16	-4.59	0.15	1st	—	—	—
DOUGLAS	45.0	59.8	52.4	-1.7	34	28th	67	7	0.47	-3.26	0.32	19th	109.5	+33.7	45
STONYHURST	45.7	57.6	51.7	-2.9	34	28th	63	6	0.80	-4.20	0.40	19th	138.2	+18.3	37
BLACKPOOL	45.5	60.8	53.2	-1.8	30	28th	65	3	0.49	-3.26	0.19	23rd	141.1	+22.5	38
MANCHESTER (PRESTWICH).	45.3	58.3	51.8	-3.1	34	28th	64	8	0.65	-3.31	0.32	19th	101.5	?	27
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	79.6	?	21
LLANDUDNO	50.2	59.6	54.9	-1.8	39	28th	64	7	0.64	-2.44	0.25	4th	142.8	+34.1	38
LLANDOVERY	41.9	64.1	53.0	-2.7	30	30th	74	8	1.29	-3.49	0.80	7th	—	—	—
PEMBROKE	—	—	—	—	—	—	—	—	—	—	—	—	184.8	+42.3	49
BRISTOL (MONTPELIER)	47.3	62.4	54.9	-1.4	35	28th	71	8	3.41	-0.08	1.41	24th	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	185.6	?	49
ARLINGTON	46.0	60.4	53.2	-2.3	39	5th, 30th	69	11	3.10	-1.68	1.93	7th	—	—	—
CULLOMPTON	46.3	62.6	54.5	-1.4	37	29th, 30th	73	10	2.23	-1.22	0.41	21st	140.9	+7.0	38
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	156.4	?	42
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	171.9	?	46
FALMOUTH	50.8	60.9	55.9	-1.4	43	30th	66	11	2.59	-2.11	1.00	21st	165.5	+19.8	44
PLYMOUTH	49.2	62.2	55.7	-2.0	40	7th	70	9	2.38	-1.39	1.43	21st	151.8	+4.3	41
SCILLY	—	—	—	—	—	—	—	—	—	—	—	—	189.6	?	51
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	162.3	?	44
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	173.0	-2.4	47
LONDONERRY	45.6	62.8	54.2	0.0	34	29th	70	6	0.54	-3.24	0.29	1st	—	—	—
EDENFEL (OMAGH)	41.6	59.9	50.8	-2.7	26	28th	64	5	0.17	-3.43	0.08	24th	—	—	—
MARKREE CASTLE	41.9	61.2	51.6	-1.8	28	27th	68	6	0.26	-2.99	0.07	1st, 7th, 24th	137.6	+44.0	37
BROOKBOROUGH	42.0	61.1	51.6	-1.1	28	28th	68	3	0.15	-3.63	0.10	7th	—	—	—
ARMAGH	42.0	59.8	50.9	-2.8	32	28th	65	7	0.10	-2.95	0.03	1st	133.1	+29.8	36
EDGEWORTHSTOWN	43.7	59.7	51.7	-1.9	35	6th, 27th, 28th	66	1	0.10	-3.11	0.10	4th	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	136.6	?	37
DUBLIN	48.2	59.4	53.8	-1.7	40	28th, 30th	64	8	0.44	-1.90	0.16	7th	142.2	+13.8	38
PARSONSTOWN	—	—	—	—	—	—	—	—	—	—	—	—	133.0	+15.8	36
KILKENNY CASTLE	44.4	60.2	52.3	-3.2	34	30th	66	4	0.45	-2.55	0.20	7th	—	—	—
VALENCIA (CAHIREEN).	—	—	—	—	—	—	—	—	—	—	—	—	171.3	+49.1	46
KILLARNEY	44.5	61.4	53.0	-2.9	33	9th, 27th	67	7	1.33	?	0.93	7th	—	—	—
FOYNES	46.1	60.2	53.2	-2.0	39	6th, 7th, 8th	65	3	0.33	?	0.24	7th	—	—	—

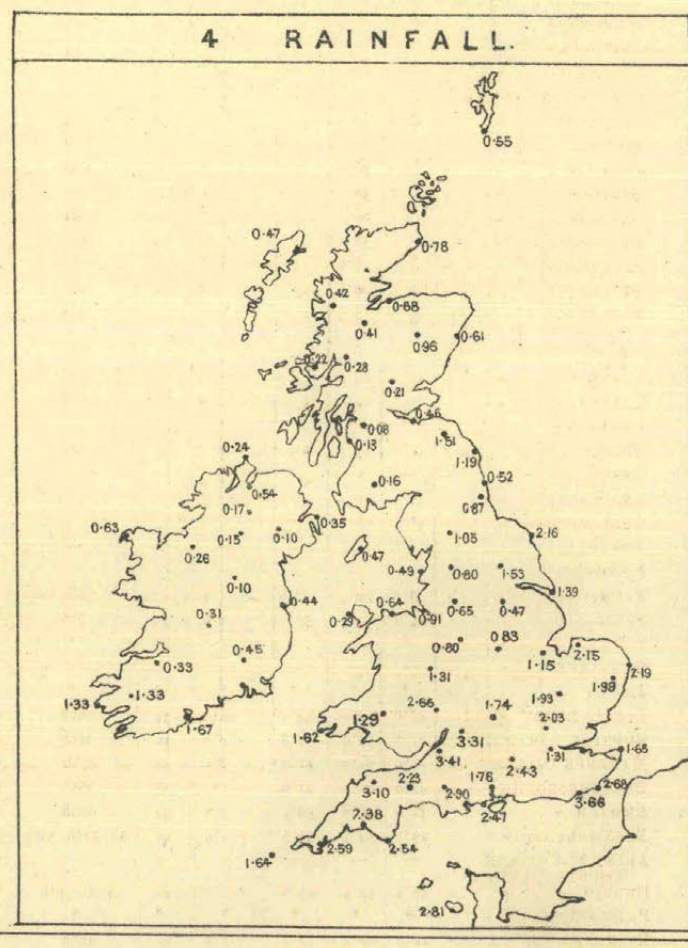
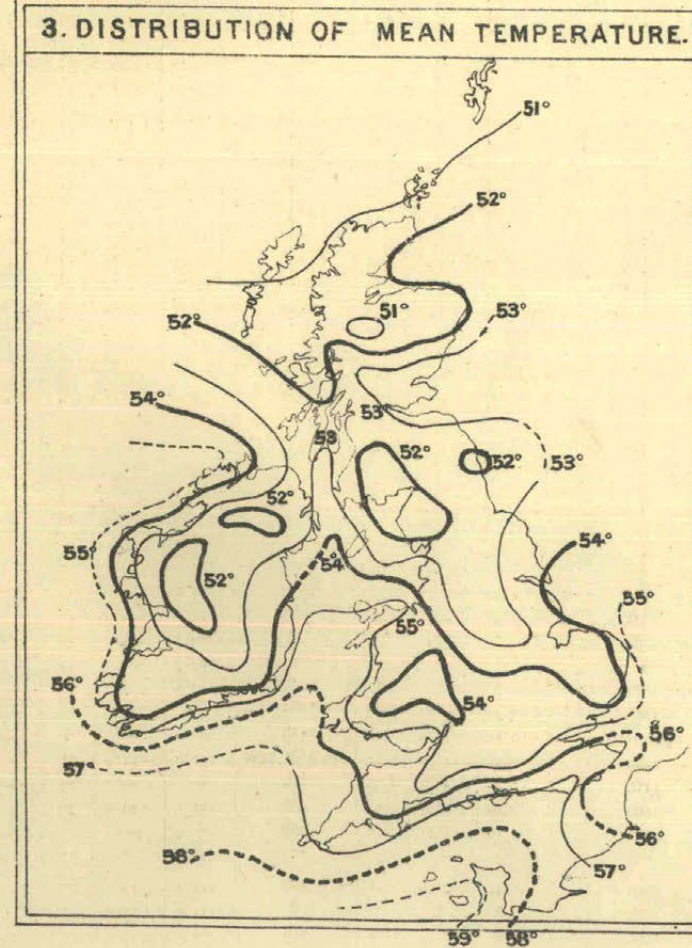
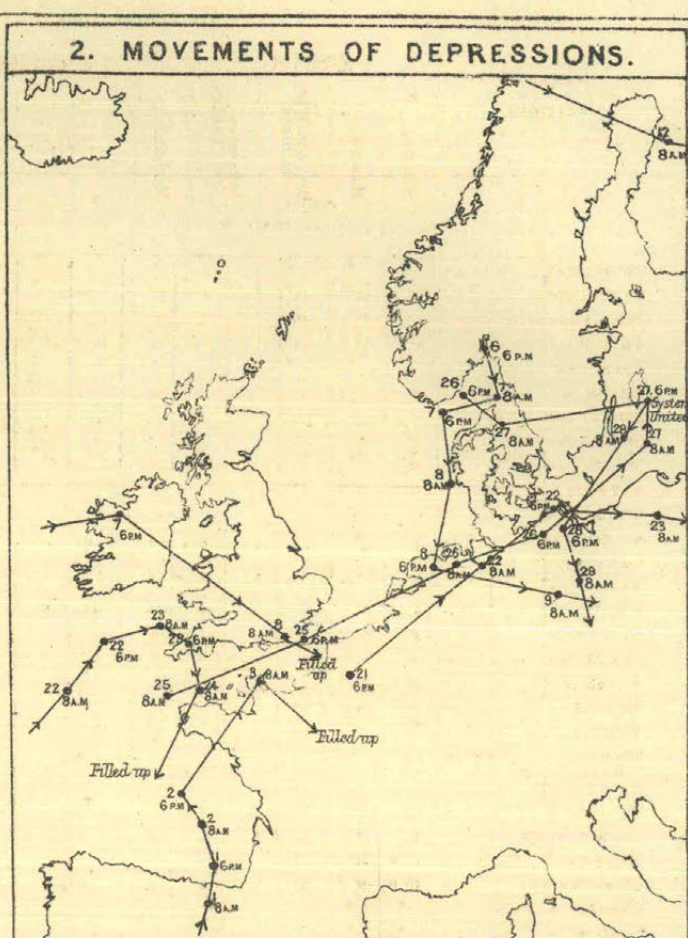
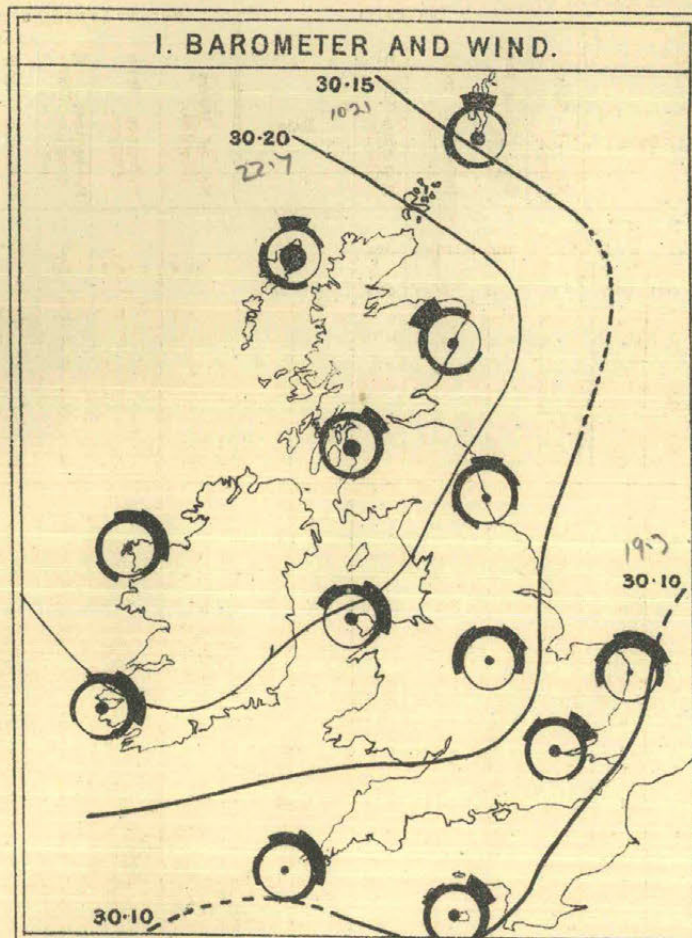
* For information see Table XVII.

† Records incomplete.

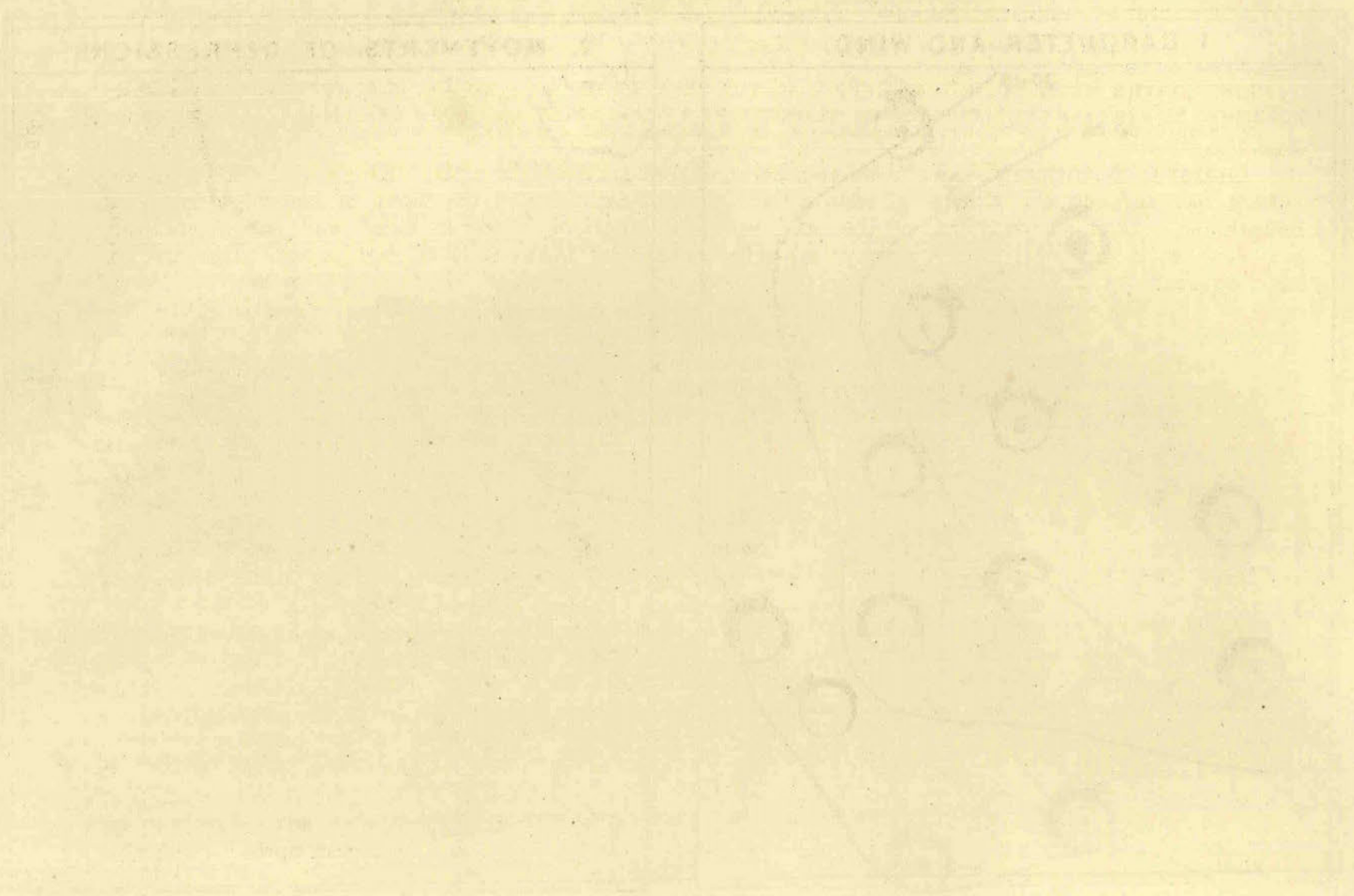
MONTHLY WEATHER CHART SEPTEMBER 1894.

Monthly Summary.

Plate IX.



1894



SEPTEMBER 1894

OFFICIAL COPY.

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

OCTOBER 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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 early part of October, though cloudy and misty in places, was mostly fair and dry. After the middle of the month, however, the conditions gradually became very unsettled, with heavy rains in the western and southern districts, and with frequent thunder and lightning on our south and south-west coasts. Snow or sleet was reported over the northern parts of the kingdom on the 18th and 19th. Pressure was mostly above the average; temperature was low in Scotland, but fairly high elsewhere; the winds were variable; rainfall was very deficient in the west of Scotland, but in excess of the normal in most parts of England and Ireland; the amount of bright sunshine was small generally.

Pressure.—*Mean for the month at 8 a.m.* ranged from between 29·92 ins. and 29·94 ins. in the east of Scotland and the central parts of England to 29·85 ins. and less in the south-west of Ireland, the gradient being unusually slight for the time of year. On our south and south-west coasts the readings were a little below the average,* but in all other districts they were above it, the excess being greatest (0·12 in. to 0·20 in.) in the north and north-east of Scotland. *Highest* readings were recorded on the 1st, when the barometer rose to 30·5 ins. and upwards over the northern, eastern, and central parts of England, and to 30·3 ins. and upwards in all other districts. *Lowest* readings occurred on the 24th or 25th, when the barometer fell below 28·7 ins. in Ireland and Scotland, and below 29·0 ins. in all but the extreme southern parts of England. *Range* was moderate in the east and south, but rather large elsewhere.

Depressions.—During the earlier part of the month no depressions of importance were observed in the immediate neighbourhood of our Islands, although large disturbances passed in one or two cases across Scandinavia and Denmark. After the 20th, however, several depressions advanced over us from the south-westward, the most important one of all being the deep system which travelled across Ireland and Scotland on the 24th and 25th, and which afterwards passed on to Scandinavia and northern Russia.

Anticyclones.—Early in the month a large anticyclone lay over Europe, its central area being found mostly to the northward or north-eastward of our Islands. After the 7th the system partially dispersed, but on the 13th a new one spread over the United Kingdom from the north-westward, and remained in force until the 17th, when it passed away to the Atlantic. During the remainder of the time the conditions over our Islands were cyclonic, the nearest high-pressure system being located over Southern Europe.

Winds varied greatly in direction, the North-easterly current being in many cases unduly prevalent for the time of year. Gales were rather frequent on our southern coasts, the number being as large as 10 at Prawle Point and 8 at Dungeness and Scilly; in the north there were only 3 or 4.

Temperature.—*Mean at Sea Level* ranged from 55° and upwards in the Channel Islands and 52° and upwards on our south and south-west coasts generally to 48° and less in some parts of Central Ireland, and to 44° and less in the northern part of Central Scotland. Over England and Ireland the values were in most cases a trifle above the average and the general distribution was fairly normal. In Scotland however, where there was a deficiency, amounting in some cases to over two degrees, the distribution of temperature was of a more wintry type than is usual in October. *Highest* readings occurred in the north of Scotland on the 2nd, but in other districts mostly between the 10th and 12th; in very few places, however, did the thermometer exceed 65°, and at some of the coast stations it failed to reach 60°. *Lowest* readings were observed on the 22nd or 23rd, when sharp frost occurred in most districts; at Markree Castle the sheltered thermometer fell to 21°, at Glenlee to 20°, and at Braemar to 18°. *Range* was moderate generally, but amounted to over 40° at some of the northern and central stations, and to 44° at Braemar, Markree Castle, and Loughborough. *Vapour Tension* ranged from 0·26 in. and less over the eastern and central parts of Scotland, and 0·28 in. and less over Central Ireland to between 0·34 in. and 0·38 in. on our extreme south and south-west coasts. *Relative Humidity* ranged from 82 per cent. at Jersey, and 83 per cent. at Holyhead, Liverpool, and Prawle Point, to 95 per cent. at Cambridge and Pembroke.

Rainfall was considerably less than the average* in the western and central parts of Scotland, and slightly deficient in the west of Ireland, and at isolated stations in the north-western, central and eastern parts of England. Elsewhere there was an excess,—slight in many places, but large at some of the southern stations and also in the north-east of England. The heaviest amounts were 7·4 ins. at Holyhead and Arlington, 7·2 ins. at Roche's Point, and 7·1 ins. at Hawes Junction; the smallest being 1·7 ins. at Fort Augustus and Malin Head, and 1·8 ins. at Cambridge. Falls exceeding an inch in 24 hours were recorded in various parts of England and Ireland on the 20th, 23rd, 24th, and 30th. At Westbourne 2·1 ins. fell on the 24th between the hours of 8 a.m. and noon.

Bright Sunshine was generally deficient, especially over the eastern, central, and southern parts of England, where the per-centage of the possible amount was in most cases below 20. The highest per-centage values were 38 at Jersey, 37 at Newquay, and 36 at Falmouth.

* 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 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.	from Difference Average.	Minimum.	Date.	Maximum.	Date.	
0. SCOTLAND, N.	Sumburgh Head	ins. 29°925	+0°199	45°0	41°5	49°7	45°6	-0°1	33	18th, 28th	57	2nd	
	Wick	29°907	+1°144	45°7	40°8	51°7	46°3	+0°2	25	27th	64	2nd	
	Stornoway	29°890	+1°134	45°4	39°2	51°7	45°5	-0°3	30	23rd	56	2nd, 3rd, 4th, 10th, 11th, 12th, 23rd, 31st.	2nd
1. SCOTLAND, E.	Nairn	29°907	+1°128	42°5	33°9	53°0	43°5	-2°9	22	23rd	64		
	Aberdeen	29°933	+1°140	44°9	40°4	52°0	46°2	-0°8	29	19th, 23rd	64	2nd	
	Leith	29°923	+1°101	45°1	39°3	54°4	46°9	-1°4	25	23rd	66	10th	
2. ENGLAND, N.E.	Shields	29°917	+0°071	46°7	41°7	53°3	47°5	-0°5	29	23rd	64	13th	
	York	29°923	+0°41	45°3	40°3	54°5	47°4	-0°6	25	23rd	64	1st	
	Spurn Head	29°899	+0°32	50°3	45°7	53°7	49°7	+0°2	38	22nd, 24th	60	11th	
3. ENGLAND, E.	Yarmouth	29°904	+0°10	50°6	45°9	54°4	50°2	+0°7	34	22nd	59	7th, 8th, 11th	
	Cambridge	29°933	+0°21	46°9	42°2	55°9	49°1	+0°3	29	22nd	62	7th, 13th	
4. MIDLAND COUNTIES	Loughborough	29°933	+0°29	45°0	41°0	55°8	48°4	0°0	22	22nd	66	7th	
	Oxford	29°936	+0°12	47°0	43°8	55°0	49°4	+0°5	30	22nd	63	12th	
5. ENGLAND, S.	London	29°931	+0°08	48°9	45°0	55°8	50°4	+0°7	31	17th	63	13th, 26th	
	North Foreland	29°914	+0°04	52°2	48°2	55°8	52°0	+1°3	42	18th	62	26th	
	Dungeness	29°908	-0°09	50°8	47°0	57°0	52°0	+0°8	34	19th	67	13th	
	Hurst Castle	29°922	0°00	51°5	46°9	58°0	52°5	+1°0	36	17th	64	11th, 12th, 13th.	
6. SCOTLAND, W.	Ardrossan	29°909	+0°08	46°0	40°7	53°0	46°9	-1°8	30	19th, 22nd	64	11th	
7. ENGLAND N.W.	Hawes Junction*	28°645	?	42°0	37°3	49°7	43°5	?	23	23rd	60	11th	
	Liverpool	29°918	+0°39	48°0	44°9	54°4	49°7	+0°4	33	22nd	63	11th	
	Holyhead	29°902	+0°30	50°3	46°1	55°5	50°8	-0°2	37	23rd	62	13th	
8. ENGLAND, S.W.	Pembroke	29°884	-0°04	51°0	48°1	54°8	51°5	0°0	38	22nd	59	7th, 11th	
	Prawle Point	29°916	-0°15	52°1	47°0	57°5	52°3	+0°8	37	15th, 19th	63	12th, 13th	
9. IRELAND, N.	Malin Head	29°868	+0°43	48°1	45°6	52°9	49°3	+1°7	37	22nd	60	31st	
	Douaghadee	29°928	+0°58	48°5	43°4	53°8	48°6	0°0	31	22nd	63	12th	
	Belmullet	29°865	+0°25	49°1	44°8	55°3	50°1	-0°8	35	20th, 23rd	63	11th	
10. IRELAND, S.	Parsonstown	29°883	-0°14	44°5	37°9	55°8	46°9	-1°0	29	15th, 20th, 22nd, 23rd, 5th	65	12th	
	Valencia (Cahiriveen)	29°838	-0°58	50°9	46°4	56°7	51°6	-0°1	37		62	7th, 8th	
	Roche's Point	29°870	-0°22	51°4	47°3	56°9	52°1	+1°0	38	21st	64	10th	
CHANNEL ISLANDS	Scilly	29°877	-0°33	54°6	51°1	58°0	54°6	+1°2	45	21st	64	10th	
	Jersey	29°939	+0°14	54°2	50°1	59°9	55°0	+1°6	39	19th	67	10th	

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

SUMMARY OF OBSERVATIONS, OCTOBER 1894.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of OCTOBER 1894.

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.							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.	Calms.							
in.	%		ins.	ins.	ins.																								
0.257	86	7.0	4.03	-0.24	1.73	24th	22	1	2	0	0	12	3	10	5	0	4	5	0	3	0	4							
0.266	87	7.1	3.07	+0.05	0.60	25th	19	2	0	1	2	15	4	7	1	4	3	6	2	0	6	2							
0.273	91	8.3	3.24	-1.80	0.54	24th	20	2	0	0	0	18	3	2	6	2	3	3	5	1	2	7							
0.244	90	5.9	2.35	-0.03	0.93	19th	17	2	0	0	2	5	0	1	2	1	2	2	3	6	3	11							
0.258	87	5.9	2.89	+0.02	0.54	31st	22	1	3	0	0	4	4	3	1	2	3	4	5	7	6	0							
0.259	86	7.3	2.19	+0.22	0.50	19th	17	0	1	0	4	17	1	2	4	3	3	1	6	5	1	6							
0.291	92	8.2	4.05	+1.57	0.61	23rd	22	0	3	0	1	15	5	5	6	1	3	2	8	2	2	2							
0.279	92	8.0	3.36	+0.76	0.77	26th	21	0	0	1	4	21	0	9	4	6	3	4	2	0	3	0							
0.311	85	7.7	2.79	+0.52	0.71	20th	21	0	1	2	0	13	2	5	6	4	3	1	4	2	6	0							
0.310	84	5.6	2.71	-0.21	0.45	28th	23	0	1	0	4	4	2	5	6	4	3	0	6	3	3	1							
0.304	95	8.5	1.78	-0.49	0.31	28th	20	0	0	0	4	25	2	6	4	1	1	2	9	2	4	2							
0.280	94	8.1	2.27	-0.53	0.47	25th	20	0	0	0	0	17	3	4	4	2	2	1	5	2	6	5							
0.293	92	8.1	4.06	+1.50	0.99	30th	21	0	0	0	5	22	0	7	6	1	3	2	5	2	3	2							
0.304	88	8.3	4.30	+1.73	1.44	30th	17	0	0	0	4	22	2	3	4	4	2	1	7	3	2	5							
0.337	86	6.9	2.61	?	0.97	30th	16	0	0	0	3	14	3	6	3	6	2	2	4	6	2	0							
0.343	92	7.7	4.76	+1.54	1.33	30th	18	0	1	0	0	11	8	7	4	5	1	1	5	5	2	1							
0.337	89	8.2	3.76	+0.50	0.90	24th	14	0	0	0	1	18	3	7	10	2	0	2	4	4	1	1							
0.274	89	7.0	3.49	-0.38	1.22	23rd	15	0	1	0	4	17	0	2	16	3	1	3	2	0	2	2							
0.260	98	8.1	7.05	?	1.23	23rd	21	0	0	1	1	22	1	5	4	9	6	3	1	1	2	0							
0.274	83	7.7	3.85	+0.39	1.05	20th	15	0	0	0	3	17	1	3	6	4	8	2	4	1	0	3							
0.301	83	7.1	7.35	+3.04	1.21	23rd	17	0	1	1	0	11	6	2	5	7	2	3	6	2	1	3							
0.355	95	8.0	4.83	+0.87	1.02	23rd	16	0	1	0	0	18	6	0	5	9	3	1	4	6	1	2							
0.327	83	8.1	5.76	+2.16	1.06	29th	14	0	1	2	0	17	10	6	11	2	0	4	4	3	1	0							
0.286	86	6.8	1.72	?	0.34	9th	16	0	0	0	5	18	5	1	8	1	7	9	2	1	2	0							
0.306	90	7.2	5.16	+2.02	1.25	23rd	18	0	0	0	0	11	7	4	3	6	4	4	5	3	2	0							
0.309	89	6.4	6.13	?	1.65	24th	23	1	0	0	4	12	2	4	8	8	4	1	3	1	2	0							
0.268	92	8.5	3.40	+0.24	0.81	23rd	13	1	1	0	2	21	1	3	1	0	11	2	1	1	1	11							
0.317	85	8.0	5.34	-0.54	1.45	23rd	16	0	1	0	4	22	4	1	9	6	8	3	1	1	1	1							
0.343	90	6.9	7.16	+3.07	1.80	23rd	15	0	1	2	1	13	2	5	5	3	5	4	4	5	0	0							
0.375	88	7.4	4.35	+0.65	0.81	28th	16	0	0	3	0	8	8	2	6	7	4	5	4	3	0	0							
0.345	82	7.5	2.29	-2.16	0.56	21st	21	0	1	2	1	13	7	3	8	6	1	1	6	2	1	3							

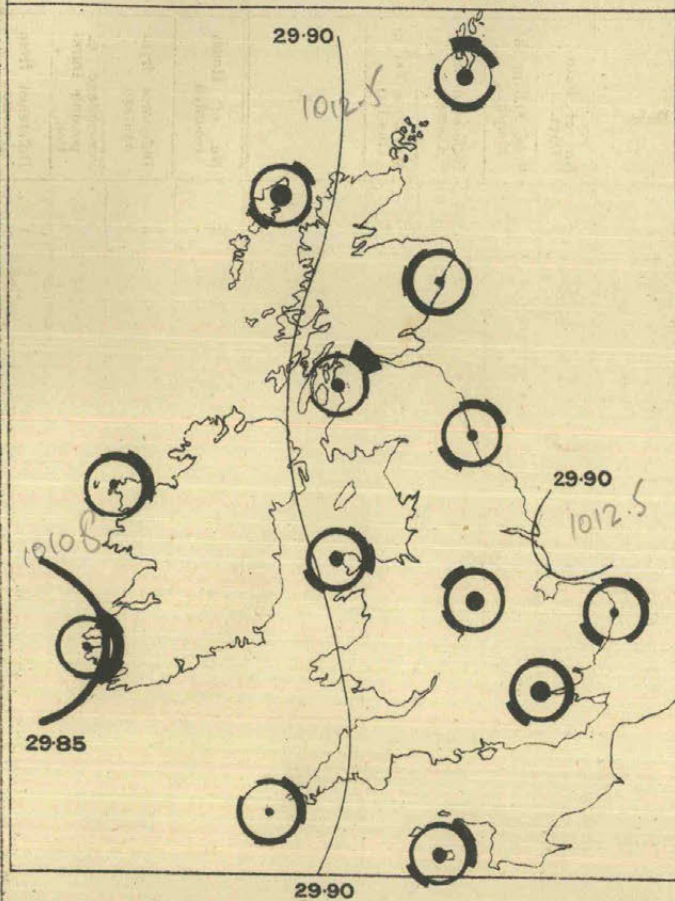
Barometer at this station is not reduced for altitude.

TABLE XX.

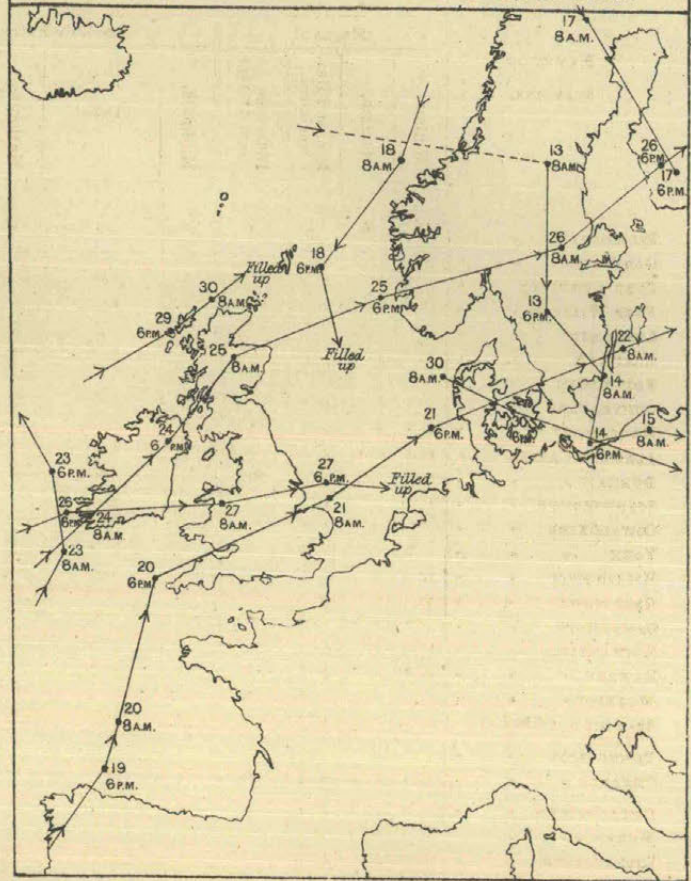
OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of OCTOBER 1894.

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-centage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
	°	°	°	°	°	.	°	.		ins.	ins.	ins.	.			%	%
STORNOWAY	-	-	-	-	-	.	.	.	.								-6
GLENCARRON	36.9	51.4	44.2	-0.9	26	19th	60	2nd	19	3.16	-5.73	1.27	12th	69.7	-16.7	22	-
FORT AUGUSTUS	36.6	52.4	44.5	-1.7	23	19th	62	2nd	15	1.70	-2.40	0.33	31st	74.2	?	24	?
FORT WILLIAM	38.9	51.9	45.4	-2.1	24	19th	60	31st	14	2.12	-5.75	0.46	23rd, 31st	90.7	?	29	?
ABERDEEN	.	.	.	.	.	.	.	.	.	.	.	.	.	96.9	+5.7	31	+2
BRANMAR	33.0	48.7	40.9	-2.5	18	23rd	62	2nd	15	2.93	-1.03	0.87	31st	82.2	?	26	?
EDINBURGH	-	-	-	-	-	-	-	-	-	-	-	-	-	64.3	?	20	?
OCHTERTYRE	36.7	54.4	45.6	-0.5	23	18th	65	13th	15	3.55	-0.70	1.01	30th	-	-	-	-
MARCHMONT	39.5	51.9	45.7	+0.1	28	22nd	62	10th	19	4.99	+1.67	1.03	24th	68.0	?	22	?
ALNWICK CASTLE	40.5	51.3	45.9	-1.3	25	22nd	62	12th	23	6.33	+3.47	1.18	24th	-	-	-	-
DURHAM	39.8	52.2	46.0	-1.2	24	23rd	64	13th	26	5.07	+2.16	0.69	20th	53.1	-30.3	17	-9
SCARBOROUGH	42.7	53.2	48.0	-0.8	29	22nd	60	11th	25	4.74	+1.67	0.65	26th	-	-	-	-
OSWALDKIRK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
YORK	.	.	.	.	.	.	.	.	.	.	.	.	.	54.5	?	17	?
HILLINGTON	42.8	54.9	48.9	+0.4	28	22nd	63	7th	23	3.20	+0.59	0.60	26th	59.6	-20.9	19	-6
GELDESTON	43.1	55.8	49.5	0.0	30	22nd	64	8th	28	2.39	-0.23	0.39	28th	66.0	-28.4	20	-9
CAMBRIDGE	.	.	.	.	.	.	.	.	.	.	.	.	.	86.4	-24.9	27	-7
ROTHAMSTED	43.7	54.4	49.1	+1.2	30	22nd	61	13th	20	3.29	+0.36	0.75	30th	63.9	-41.7	20	-13
BAWTRY	40.8	54.5	47.7	0.0	24	22nd	65	1st	19	3.18	+0.43	1.00	20th	59.8	?	18	?
WORKSOP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STAMFORD (KETTON HALL).	41.4	55.6	48.5	+0.2	24	22nd	64	12th, 13th	25	2.54	-0.40	0.54	26th	52.3	-30.6	16	-10
THURCASTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHEADLE	42.1	52.5	47.3	+0.6	30	22nd	59	1st, 10th, 11th, 13th	13	3.55	0.00	0.79	24th	52.1	-31.0	16	-10
CHURCHSTOKE	41.5	53.6	47.6	+0.4	24	22nd	65	10th	16	3.95	+0.52	1.00	26th	-	-	-	-
HEREFORD	43.2	55.2	49.2	+0.8	27	22nd	66	11th	19	3.10	+0.32	0.76	26th	57.6	-31.2	18	-10
CIRENCESTER	43.7	54.7	47.2	-0.3	32	22nd	63	11th, 31st	17	5.07	+2.04	1.45	30th	-	-	-	-
OXFORD	.	.	.	.	.	.	.	.	.	.	.	.	.	61.7	-35.9	19	-11
LONDON	.	.	.	.	.	.	.	.	.	.	.	.	.	57.1	-44.4	18	-13
MARGATE	-	-	-	-	-	-	-	-	-	-	-	-	-	43.5	-35.7	13	-11
STRATHFIELD TURGISSE	43.8	53.2	48.5	-0.3	28	17th	64	11th	23	4.61	+1.96	0.99	30th	81.3	?	25	?
HASTINGS	47.3	57.1	52.2	+0.9	38	17th	64	11th	18	5.87	+2.27	1.32	29th	-	-	-	-
HASTBOURNE	-	-	-	-	-	-	-	-	-	-	-	-	-	78.4	-45.9	24	-14
BRIGHTON	-	-	-	-	-	-	-	-	-	-	-	-	-	87.0	?	27	?
WESTBOURNE (SUSSEX)	-	-	-	-	-	-	-	-	-	-	-	-	-	92.5	?	28	?
SOUTHAMPTON	45.5	58.1	51.8	+1.3	32	17th	67	11th	17	5.23	+2.00	0.91	26th	92.3	?	28	?
STOWELL	43.8	55.2	49.5	+1.0	35	15th	64	11th	18	4.23	?	0.92	26th	72.9	-39.4	22	-12
LAUDALE	40.1	54.4	47.3	+0.1	27	19th	61	2nd, 11th	15	2.78	-5.05	0.59	9th	-	-	-	-
GLASGOW	40.2	51.4	45.8	-1.1	29	22nd, 23rd	61	12th	17	3.50	-0.28	1.21	23rd	-	-	-	-
GLENLEE	36.8	53.4	45.1	-1.1	20	22nd, 23rd	62	11th, 13th	16	6.33	+0.80	1.82	31st	59.6	-3.8	19	-1
DOUGLAS	42.4	54.1	48.3	-0.3	28	22nd	62	10th	13	6.04	+1.89	1.38	26th	-	-	-	-
STONYHURST	42.1	52.0	47.1	-0.6	28	22nd	60	12th	15	4.32	-0.79	0.96	26th	82.0	-17.8	20	-5
BLACKPOOL	41.5	55.6	48.6	-0.2	25	22nd	64	12th	13	3.85	-0.26	0.73	23rd	62.6	-17.3	20	-5
MANCHESTER (PRESTWICH).	41.6	54.5	48.1	+0.1	27	22nd	62	10th	16	4.87	+0.79	1.24	25th	81.8	-0.5	25	-1
MANCHESTER (OLDHAM ROAD).	-	-	-	-	-	-	-	-	-	-	-	-	-	41.4	?	13	?
LLANDUDNO	46.2	55.9	51.1	+0.6	32	22nd	63	9th	17	4.88	+1.12	1.08	20th	34.1	?	11	?
LLANDOVERY	40.2	57.6	48.9	-0.1	29	15th, 16th	67	8th	14	6.55	+1.12	1.54	30th	92.3	+17.8	29	+6
PENBROKE	.	.	.	.	.	.	.	.	.	.	.	.	.	-	-	-	-
BRISTOL (MONTPELIER)	45.6	56.7	51.2	+2.3	35	22nd	64	11th, 12th	17	3.75	+0.23	0.88	26th	82.0	-17.3	25	-6
TENBY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARLINGTON	43.5	54.9	49.2	-0.1	34	19th	62	11th	20	7.35	+1.55	1.76	30th	-	-	-	-
CULLOMPTON	44.4	57.3	50.9	+1.5	32	19th	68	11th	17	4.93	+1.04	1.10	23rd	87.2	?	27	?
TORQUAY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEWQUAY	-	-	-	-	-	-	-	-	-	-	-	-	-	71.4	-21.2	22	-6
FALMOUTH	47.3	56.6	52.0	+0.2	39	15th, 16th, 18th	64	11th	13	5.06	-0.33	0.81	26th	91.1	?	28	?
PLYMOUTH	46.6	57.3	52.0	+0.7	37	15th, 18th	63	10th, 12th, 13th	15	5.07	+1.34	0.93	23rd	121.9	?	37	?
SCILLY	.	.	.	.	.	.	.	.	.	.	.	.	.	116.1	+0.8	36	+1
GUERNSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	103.9	+0.6	32	0
JERSEY	-	-	-	-	-	-	-	-	-	-	-	-	-	112.2	?	34	?
LONDONDERRY	42.1	55.7	48.9	+0.7	29	22nd	65	4th	18	3.00	-1.20	0.76	23rd	102.2	?	31	?
EDENFEL (OMAGH)	40.5	55.0	47.8	+1.1	22	21st	63	12th	16	3.91	+0.24	1.35	23rd	123.7	-1.2	38	0
MARKREE CASTLE	38.4	56.5	47.5	-0.2	21	20th, 22nd	65	12th	16	3.43	-0.45	1.04	23rd	-	-	-	-
BROOKBOROUGH	40.4	54.8	47.6	+1.0	24	22nd	65	12th	14	4.67	+0.53	1.45	23rd	-	-	-	-
ARMAGH	41.1	54.2	47.7	+0.4	27	22nd	64	12th	19	4.38	+1.39	1.31	23rd	76.8	-1.0	24	0
EDGEWORTHSTOWN	40.0	54.4	47.2	0.0	29	22nd	63	12th	15	4.33	+1.28	1.32	23rd	-	-	-	-
ARLEY COTTAGE (Co. CAVAN).	-	-	-	-	-	-	-	-	-	-	-	-	-	66.9	?	21	?
DUBLIN	44.4	55.0	49.7	+0.2	36	22nd	63	12th, 31st	20	3.97	+0.94	1.04	23rd	84.2	-16.0	26	-5
PARSONSTOWN	.	.	.	.	.	.	.	.	.	.	.	.	.	88.7	-2.7	28	-1
KILKENNY CASTLE	41.1	55.4	48.3	-0.5	30	22nd	63	11th	16	4.32	+1.21	1.25	23rd	-	-	-	-
VALENCIA (CAHILL-CIVIL).	.	.	.	.	.	.	.	.	.	.	.	.	.	86.0	-12.7	27	-3
KILLARNEY	41.9	56.5	49.2	-0.9	27	16th	67	11th	16	6.53	?	2.12	23rd	-	-	-	-
FOYNES	42.9	55.8	49.4	+1.0	32	14th	66	11th	13	4.91	?	1.35	23rd	-	-	-	-

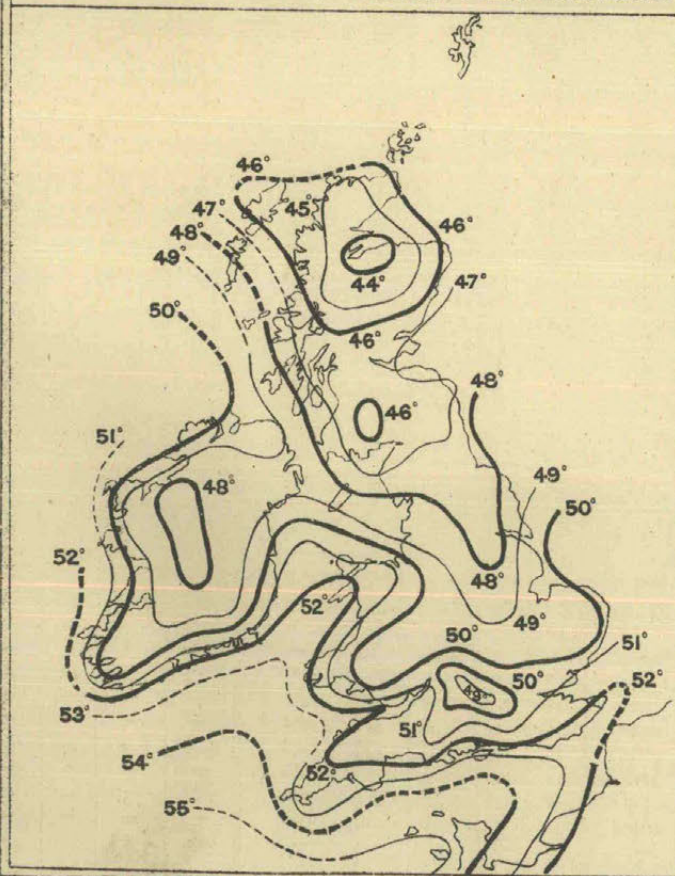
1. BAROMETER AND WIND.



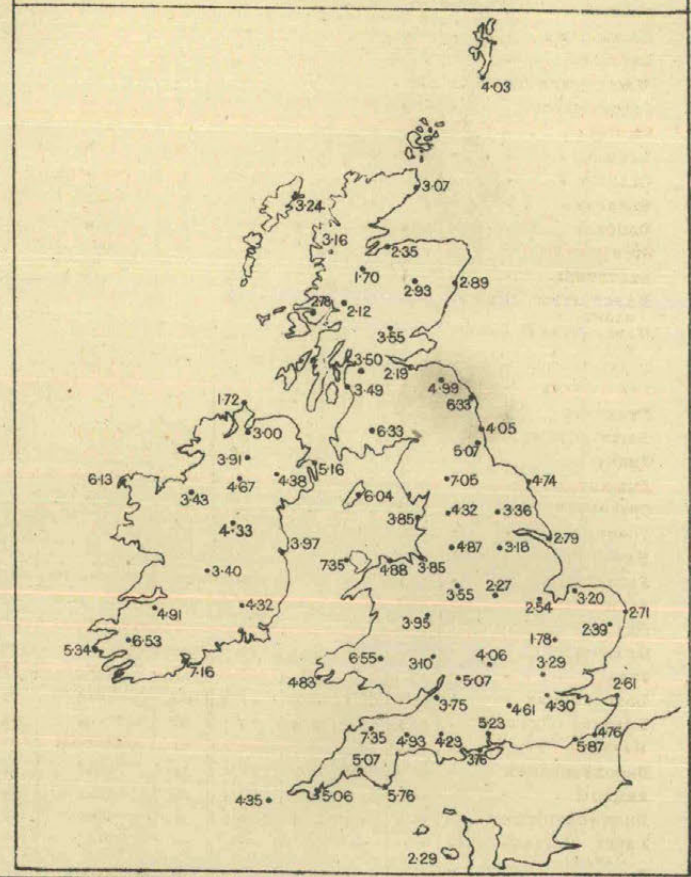
2. MOVEMENTS OF DEPRESSIONS.



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 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY BYRE 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 early part of November was exceedingly wet and unsettled, especially in the southern parts of the Kingdom, where a tremendous downpour of rain occurred between the 11th and 14th. After the 15th, however, a gradual improvement set in over our eastern and southern districts, and towards the close of the month fair dry weather became general. The period of disturbed weather was marked by frequent thunder and lightning on our southern coasts, while in the latter part of the month aurora was seen almost nightly in the north of Scotland. Pressure was in excess of the average over England, but below it in Ireland and Scotland; temperature was high, especially in the north; the winds were chiefly Southerly or South-westerly; rainfall was very deficient in the north-east, but greatly in excess of the average in the south; bright sunshine was abundant in most places.

Pressure.—Mean at 8 a.m. ranged from 30·0 ins. and upwards over the southern and eastern parts of the English Channel to a little below 29·6 ins. in the Hebrides, the general distribution being in fair agreement with the normal. Over England the values were above the average,* while in Ireland and Scotland they were below it; and as the divergence from the normal was greatest respectively at the extreme north-western and south-eastern stations, the mean gradient over our islands was considerably steeper than usual. *Highest* readings were recorded on the 30th, when the barometer rose to 30·4 ins. and upwards in Scotland, and to between 30·5 ins. and 30·6 ins. in nearly all parts of England and Ireland; in the north and east of Scotland, however, equally high readings were observed on the 26th or 27th. *Lowest* readings were recorded over the southern part of the kingdom on the 12th, and in the north on the 14th, the barometer falling in most districts to 28·9 ins. or less. In the extreme north of Scotland the readings on the latter date were as low as 28·6 ins. *Range* was somewhat large for the season.

Depressions were very numerous during the early part of the month, but in the majority of cases their centres passed well to the northward or north-westward of our islands in the tracks shown approximately by the arrows A and B in map 2, pl. xi. The most important depression observed was a well-marked secondary system which advanced eastwards along the English Channel on the 12th, and which afterwards travelled north-eastwards across the North Sea to Sweden and Finland, where it gradually dispersed.

Anticyclones.—During the earlier half of the month the high pressure systems lay at a considerable distance to the eastward and southward of our islands. After the 19th, however, a large anticyclone extended over us from the Continent, the system remaining in force until the close of the period.

Winds were mainly Southerly or South-westerly, but in the southern districts Easterly breezes were very prevalent during the last eight days of the month. Gales were frequent in the West and North-west, the number of days being as large as 12 at Holyhead, 11 at Donaghadee, and 10 at Stornoway. The only serious gale was that reported on the south-east coast of England on the 14th, when the wind blew with force 10 or 11 from the Southward.

Temperature.—*Mean at sea level* ranged from 51° and upwards in the Scilly Islands, and 49° and upwards on our extreme south and south-west coasts generally to 45° and less over central Ireland and the north-eastern and central parts of Scotland. The general distribution was fairly normal, but the actual values were everywhere above the average, the excess being large over Great Britain, and especially so in the northern districts, where it amounted in some places to over 4°. *Highest* readings were observed mostly between the 1st and 3rd, when the thermometer rose a little above 60° in nearly all districts. In London the maximum of 65° on the 1st was the highest November temperature recorded since the year 1847. *Lowest* readings were recorded at varying times in the closing week, when sharp frost occurred at nearly all the inland stations. *Range* was moderate. *Vapour Tension* ranged from 0·34 in. at Scilly and 0·30 in. and upwards on most parts of our south and south-west coasts to 0·25 in. and less over central Ireland and the north-east of Scotland. *Relative Humidity* was high, the per-centage exceeding 90 in many places and reaching 94 at Shiels, Donaghadee, and Cambridge.

Rainfall was very deficient in the east of Scotland and the northern parts of England and Ireland, the amounts being in many places considerably less than half the average.* Elsewhere the normal quantity was exceeded, the excess being very large in the south of England, where the fall amounted in several instances to more than twice as much as the average. The largest aggregates for the month were 12·1 ins. at Laudale, 11·1 ins. at Fort William, and 10·1 ins. at Killarney (over 8 ins. being reported at several stations in the south-west of England); the smallest amounts were 0·5 in. at Nairn and Shields, 0·8 in. at Durham, and 1·0 in. at Bawtry. Between the 11th and 14th more than 3 inches of rain fell over nearly the whole of the southern half of England, and considerably more than 4 inches in many parts of our southern and south-western counties, the heaviest amounts reported at our own stations being 5·5 ins. at Scilly (over 3 inches of which fell on the 11th) and 4·6 ins. at Falmouth.

Bright Sunshine was in excess of the average* at all but a few of our western stations. The per-centage of the possible amount ranged from 39 at Hastings, 36 at Eastbourne and Brighton, and 35 at Dublin to 8 at Manchester (Oldham Road), 6 at Fort William, and 5 at Fort Augustus.

* 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°616	in. -0°067	46°6	43°4	49°6	46°5	+4°8	40	12th, 13th, 15th, 25th, 26th, 27th, 30th.	54	1st, 2nd
	Wick	29°642	-°080	44°8	40°0	49°9	45°0	+3°9	30	12th, 13th	56	1st
	Stornoway	29°581	-°118	46°3	40°9	50°1	45°5	+3°9	33	24th, 25th	55	1st
1. SCOTLAND, E.	Nairn	29°653	-°085	44°2	37°1	51°0	44°1	+3°6	23	24th, 25th	61	3rd
	Aberdeen	29°744	-°014	45°5	39°9	49°3	44°6	+3°2	30	24th	60	2nd
	Leith	29°771	-°018	45°7	40°5	52°1	46°3	+3°7	28	27th	62	2nd
2. ENGLAND, N.E.	Shields	29°834	+°021	45°5	40°8	51°2	46°0	+3°4	35	30th	62	2nd
	York	29°899	+°053	45°1	40°9	50°8	45°9	+3°9	32	30th	62	2nd
	Spurn Head	29°901	+°059	46°3	42°7	50°0	46°4	+2°9	35	14th	61	2nd
3. ENGLAND, E.	Yarmouth	29°954	+°089	46°3	41°8	50°6	46°2	+2°9	35	23rd	59	2nd, 5th
	Cambridge	29°978	+°091	43°7	38°7	52°1	45°4	+3°2	30	24th, 25th	63	1st, 3rd
4. MIDLAND COUNTIES	Loughborough	29°939	+°062	44°4	40°6	52°1	46°4	+4°1	27	30th	63	2nd
	Oxford	29°974	+°078	44°6	41°5	51°5	46°5	+3°6	32	30th	60	3rd
5. ENGLAND, S.	London	29°987	+°089	45°4	41°8	52°7	47°3	+3°6	34	22nd, 23rd, 24th.	65	1st
	North Foreland	29°991	+°111	48°5	43°4	52°5	48°0	+3°7	37	12th	59	3rd
	Dungeness	29°983	+°090	48°4	44°7	53°0	48°9	+3°9	37	6th	60	4th
	Hurst Castle	29°983	+°081	49°2	45°5	53°3	49°4	+3°8	35	29th	61	3rd
6. SCOTLAND, W.	Ardrossan	29°760	-°031	47°0	43°5	50°6	47°1	+3°6	30	28th	55	1st, 2nd, 3rd
7. ENGLAND, N.W.	Hawes Junction*	28°618	?	42°4	38°1	46°7	42°4	?	33	14th, 21st, 28th, 30th.	55	1st
	Liverpool	29°893	+°042	46°6	43°0	51°6	47°3	+3°6	35	26th	61	2nd
	Holyhead	29°865	+°030	49°0	45°5	52°1	48°8	+2°5	37	26th	58	2nd
8. ENGLAND, S.W.	Pembroke	29°894	+°030	49°7	47°2	52°3	49°8	+2°8	35	27th	59	1st, 2nd, 3rd
	Prawle Point	29°950	+°036	48°8	44°0	52°8	48°4	+1°9	36	28th	58	2nd
9. IRELAND, N.	Malin Head	29°687	-°088	46°8	44°1	50°3	47°2	+4°0	37	15th	57	1st
	Donaghadee	29°803	-°007	45°2	40°1	51°1	45°6	+1°8	32	23rd, 24th	60	2nd
	Belmullet	29°745	-°035	48°2	44°1	51°8	48°0	+1°4	34	30th	58	2nd
10. IRELAND, S.	Parsonstown	29°827	-°020	42°9	38°6	51°2	44°9	+1°8	26	27th, 28th	61	2nd
	Valencia (Cahiriveen)	29°837	-°028	48°7	45°3	53°5	49°4	+1°7	35	27th	60	2nd
	Roche's Point	29°872	+°007	48°2	43°8	52°3	48°1	+1°5	33	28th	59	9th
CHANNEL ISLANDS	Scilly (St. Mary's)	29°914	+°017	51°3	47°9	54°4	51°2	+1°6	41	27th	59	1st, 2nd, 3rd, 4th.
	Jersey	29°024	+°096	50°2	46°7	54°2	50°5	+2°5	35	26th	62	3rd

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

REPORTING STATIONS in the BRITISH ISLANDS during the Month of NOVEMBER 1894.

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. 0.273	% 87	8.1	ins. 2.48	ins. -1.68	ins. 0.39	20th	19	0	0	0	0	14	2	1	0	1	3	7	7	5	2	4
*255	86	6.0	1.25	-1.68	0.27	9th	12	0	0	0	4	8	5	0	0	0	0	15	2	5	8	0
*290	93	7.5	6.04	+1.34	0.78	17th	25	0	1	0	0	14	10	2	0	0	1	5	10	9	1	2
*242	83	5.7	0.46	-1.83	0.12	20th	10	0	0	0	0	4	0	0	0	1	0	5	8	11	2	3
*242	85	6.0	1.57	-1.57	0.30	18th	15	0	0	0	0	6	5	0	0	0	1	8	15	4	1	0
*260	85	6.5	1.09	-1.11	0.34	13th	13	0	0	0	2	11	1	0	0	1	2	4	15	5	0	3
*284	94	7.9	0.54	-2.07	0.24	12th	8	0	1	0	1	13	1	0	1	2	3	10	8	5	1	0
*272	90	6.0	1.14	-1.05	0.40	13th	15	0	0	0	9	13	0	1	0	3	3	12	4	4	1	2
*274	88	7.6	1.76	-0.64	0.75	12th	11	0	0	0	2	17	1	0	2	2	1	10	10	3	2	0
*274	88	5.3	2.26	-0.80	0.76	12th	14	0	0	0	8	7	4	1	2	2	1	6	9	8	1	0
*269	94	6.9	3.52	+1.51	1.25	14th	12	0	0	1	6	16	1	1	2	1	3	6	11	3	3	0
*262	90	7.1	2.30	+0.06	0.91	12th	14	0	0	0	3	14	5	0	3	1	4	6	5	6	2	3
*269	92	6.7	4.80	+2.49	1.24	14th	13	0	2	0	8	16	1	1	4	1	4	9	7	3	0	1
*269	89	6.2	3.27	+1.04	0.88	14th	15	0	1	1	9	15	3	0	3	4	2	7	9	3	1	1
*292	87	5.9	2.59	?	0.91	11th	16	0	1	1	5	12	3	1	0	3	2	12	5	5	2	0
*325	96	7.5	2.31	-1.17	0.56	11th	16	0	0	0	0	10	5	3	3	2	1	7	8	5	1	0
*303	87	7.5	5.48	+2.47	2.02	11th	16	0	1	0	2	15	2	3	4	2	1	7	6	4	2	1
*298	93	6.4	2.50	-1.38	0.41	13th	20	0	0	1	2	10	4	0	4	4	1	8	7	5	0	1
*260	96	8.8	7.25	?	1.49	13th	23	0	1	0	0	24	0	1	2	2	3	2	15	3	2	0
*265	84	6.9	2.00	-0.96	0.44	7th, 13th	18	0	0	0	3	12	1	0	0	4	8	6	6	4	2	0
*294	85	7.8	4.69	+0.81	0.97	7th	18	0	1	0	0	11	12	1	2	2	0	7	10	7	1	0
*328	92	6.6	5.11	+1.07	1.31	13th	18	0	0	0	2	14	9	1	1	4	2	4	7	7	4	0
*291	84	7.0	5.87	+2.67	1.70	11th	18	0	1	0	0	9	6	3	3	3	1	6	7	4	3	0
*277	87	7.6	3.04	?	0.51	13th	21	0	2	1	2	18	9	1	0	0	2	14	8	3	2	0
*283	94	6.2	1.30	-1.90	0.24	13th	18	0	0	0	2	7	11	2	0	1	3	4	14	5	1	0
*283	85	7.3	5.64	?	0.80	13th	27	0	0	0	1	13	2	1	0	0	0	4	14	8	3	0
*250	91	7.1	3.50	+0.67	0.61	17th	20	0	0	1	0	13	0	0	1	2	4	6	2	1	0	14
*283	82	7.1	8.24	+2.82	1.22	13th	23	0	2	2	1	10	4	1	2	3	4	7	6	5	1	1
*307	92	6.6	6.04	+1.42	1.40	13th	18	0	0	0	0	8	8	5	1	1	3	1	8	9	2	0
*344	91	7.8	8.65	+4.93	3.06	11th	19	0	1	0	0	11	9	2	3	4	1	7	7	5	1	0
*302	84	7.4	3.89	-0.41	0.76	14th	18	1	4	0	1	13	7	0	3	5	6	4	4	4		0

barometer at this station is not reduced for altitude.

TABLE XXII.

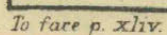
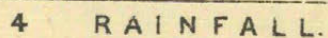
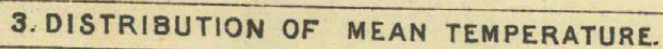
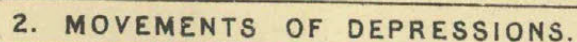
OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of NOVEMBER 1894.

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.	*	36.3	- 5.1	10	- 2
GLENCARRON	39.1	48.6	43.9	+ 3.9	29	24th	58	3rd	26	8.68	-1.04	0.97	13th	—	—	—	—
FORT AUGUSTUS	40.1	49.2	44.7	+ 3.9	29	24th	60	3rd	26	5.35	+1.07	0.80	14th	12.2	?	5	?
FORT WILLIAM	42.5	50.4	46.5	+ 4.9	31	24th	60	1st, 3rd	23	11.10	+3.33	1.23	14th	13.5	?	6	?
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	73.5	+18.2	31	+ 7
BRAEMAR	36.9	45.8	41.4	+ 3.6	21	24th	55	1st	18	2.40	-1.49	0.58	13th	31.5	?	13	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	74.7	?	31	?
OGHTERTYRE	38.2	49.8	44.0	+ 3.8	26	23rd	56	2nd	21	4.14	-0.21	0.71	13th	—	—	—	—
MARCHMONT	38.0	47.9	43.0	+ 2.8	31	30th	56	1st, 2nd	10	1.33	-2.24	0.36	7th	64.5	?	27	?
ALNWICK CASTLE	40.6	49.1	44.9	+ 3.1	32	24th	58	1st, 2nd	17	1.36	-1.97	0.55	12th	—	—	—	—
DURHAM	40.0	50.1	45.1	+ 4.1	33	28th	61	2nd	16	0.78	-2.18	0.17	12th	56.9	+ 1.7	23	0
SCARBOROUGH	40.1	50.1	45.1	+ 2.0	34	30th	59	1st, 2nd	13	1.36	-1.66	0.39	12th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	48.9	?	20	?
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	46.2	+ 4.1	18	+ 1
HILLINGTON	39.5	50.7	45.1	+ 3.2	31	21st	61	1st, 3rd	14	3.14	+0.43	0.92	12th	66.7	+13.6	26	+ 5
GELDESTON	40.2	52.0	46.1	+ 2.9	29	23rd	61	3rd	19	2.17	-0.55	0.65	12th	69.9	+ 5.3	27	+ 2
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	82.8	+18.7	32	+ 7
ROTHAMSTED	39.0	50.9	45.0	+ 3.2	30	22nd	62	1st	18	4.78	+2.07	1.33	14th	77.5	?	30	?
BAWTRY	39.1	51.0	45.1	+ 3.2	27	30th	64	2nd	11	0.98	-1.17	0.43	12th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	49.7	- 0.5	20	0
STAMFORD (KETTON HALL).	38.9	51.5	45.2	+ 3.1	30	24th	63	2nd	22	3.13	+0.47	0.77	12th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	69.1	+18.2	27	+ 7
CHEADLE	39.8	49.4	44.6	+ 3.6	34	21st, 30th	61	2nd	17	2.26	-0.93	0.60	13th	—	—	—	—
CHURCHSTOKE	40.0	50.6	45.3	+ 3.6	30	30th	60	2nd	17	3.69	+0.17	1.11	13th	61.5	+10.9	24	+ 4
HEREFORD	40.9	50.6	45.8	+ 2.7	32	30th	58	1st	19	3.94	+1.38	0.87	13th	—	—	—	—
CIRENCESTER	40.2	50.8	45.5	+ 4.0	31	16th, 21st	60	2nd	16	6.33	+3.30	1.60	8th	66.7	+13.0	26	+ 5
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	72.8	+17.4	28	+ 6
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	61.2	+23.5	24	+ 10
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	89.9	?	34	?
STRATHFIELD TURGISS	39.3	52.0	45.7	+ 3.1	28	22nd	62	1st	19	5.36	+2.81	1.25	12th	—	—	—	—
HASTINGS	44.4	53.8	49.1	+ 4.0	37	24th	60	1st, 3rd, 4th, 5th	15	3.29	-0.01	0.82	11th	102.0	+34.6	39	+ 13
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	93.4	?	36	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	95.2	?	36	?
WESTBOURNE (SUSSEX).	—	—	—	—	—	—	—	—	—	—	—	—	—	83.0	?	32	?
SOUTHAMPTON	42.4	53.0	47.7	+ 3.2	34	29th	62	3rd	18	4.90	+1.94	1.00	11th	79.4	+22.6	30	+ 8
STOWELL	40.7	51.1	45.9	+ 2.7	33	30th	59	3rd	23	6.83	?	1.13	11th	—	—	—	—
LAUDALE	42.9	54.4	48.7	+ 6.5	32	24th	61	22nd	25	12.14	+3.02	1.20	13th	—	—	—	—
GLASGOW	41.5	49.3	45.4	+ 3.9	29	27th	58	1st	20	2.72	-1.07	0.48	11th, 13th	35.2	+ 8.5	15	+ 4
GLENLEE	39.3	50.3	44.8	+ 4.3	27	24th	60	2nd	21	8.08	+1.83	1.21	13th	—	—	—	—
DOUGLAS	43.7	51.7	47.7	+ 3.5	34	24th	58	2nd	20	4.15	-0.61	1.05	6th	63.4	+ 2.4	25	+ 1
STONYHURST	42.1	49.1	45.6	+ 3.4	32	30th	59	2nd	20	3.54	-1.09	1.04	13th	41.7	- 3.4	17	- 1
BLACKPOOL	42.3	51.8	47.1	+ 4.2	27	30th	60	1st	19	3.47	-0.04	0.93	13th	42.7	- 1.9	17	- 1
MANCHESTER (PREST-WICH).	41.6	51.1	46.4	+ 4.3	29	30th	59	2nd	20	2.26	-1.34	0.63	13th	31.4	?	13	?
" (OLDHAM RD.)	—	—	—	—	—	—	—	—	—	—	—	—	—	21.5	?	8	?
LLANDUDNO	45.1	52.8	49.0	+ 3.7	34	26th	62	2nd	22	2.69	-0.82	0.79	13th	60.7	+16.0	24	+ 6
LLANDOVERY	38.7	51.6	45.2	+ 1.9	26	30th	59	1st, 2nd, 3rd	22	8.01	+2.90	1.96	13th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	51.5	- 7.8	20	- 3
BRISTOL (MONTPELLIER)	43.0	52.2	47.6	+ 4.0	35	26th, 30th	61	2nd, 3rd	17	5.76	+2.35	1.62	12th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	61.2	?	24	?
ARLINGTON	41.0	50.9	46.0	+ 2.2	32	30th	60	2nd	20	8.87	+2.54	1.48	7th	—	—	—	—
CULLOMPTON	41.1	52.2	46.7	+ 2.5	32	21st	60	2nd	18	6.44	+2.91	1.13	12th	63.6	+15.6	24	+ 6
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	74.1	?	28	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	73.0	?	27	?
FALMOUTH	45.0	52.7	48.9	+ 1.3	37	26th	59	2nd	20	8.38	+2.95	2.45	11th	62.3	- 7.1	23	- 3
PLYMOUTH	5.0	53.1	49.1	+ 2.7	37	6th, 21st, 26th, 27th.	58	1st, 2nd, 3rd	19	7.69	+4.07	1.92	11th	66.0	+ 8.8	25	+ 3
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	56.8	?	21	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	73.7	?	27	?
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	86.6	+21.2	32	+ 8
LONDONERRY	40.6	50.5	45.6	+ 2.7	31	24th	62	1st	25	3.43	-0.87	0.40	17th	—	—	—	—
EDENFEL (OMAGH)	39.0	49.1	44.1	+ 2.5	25	24th	61	1st	21	3.28	-0.33	0.50	17th	—	—	—	—
MARKREE CASTLE	37.4	50.9	44.2	+ 1.5	24	24th	61	1st	25	3.66	+0.13	0.53	17th	72.8	+18.9	29	+ 7
BROOKBOROUGH	38.5	50.4	44.5	+ 3.1	28	30th	60	2nd	23	3.39	-0.39	0.65	17th	—	—	—	—
ARMAGH	39.1	50.3	44.7	+ 2.8	28	23rd	59	2nd, 3rd	18	2.04	-0.85	0.55	13th	71.7	+15.0	29	+ 6
EDGEWORTHSTOWN	37.5	50.1	43.8	+ 1.5	28	23rd	59	2nd	20	3.65	-0.01	0.76	4th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	71.7	?	29	?
DUBLIN	42.7	52.9	47.8	+ 3.0	34	30th	62	1st	15	1.48	-1.00	0.40	13th	89.6	+18.7	35	+ 7
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	69.5	+ 6.5	27	+ 2
KILKENNY CASTLE	38.5	51.4	45.0	+ 0.3	27	30th	61	2nd	17	3.31	+0.64	0.69	17th	—	—	—	—
VALENCIA (CAHIR-CIVEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	65.6	+ 5.5	26	+ 3
KILLARNEY	39.4	53.0	46.2	+ 0.6	26	30th	61	1st	23	10.10	?	2.16	16th	—	—	—	—
FOYNES	41.0	50.9	46.0	+ 1.4	30	29th, 30th	61	1st	21	4.96	?	1.06	13th	—	—	—	—

* For information, see Table XXI.

Monthly Summary.

I. BAROMETER AND WIND.





3. DISTRIBUTION OF MEAN TEMPERATURE

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

DECEMBER 1894.

(Issued as a Supplement to the Weekly Weather Report, 1894.)

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, 194, GRAFTON STREET, DUBLIN.

General Summary.—The weather of December was extremely unsettled, with frequent rain in most districts, and with snow towards the end of the month. A gale of unusual severity was experienced over the northern half of the kingdom on the 22nd. Pressure was above the average excepting in the extreme north; temperature was high, especially over Ireland and England; the winds were chiefly Westerly, with frequent gales in the west and north; rainfall was generally rather deficient; and bright sunshine was in excess of the normal at all but a few of our western and extreme northern stations.

Pressure.—*Mean at 8 a.m.* ranged from 30·10 ins. and upwards in the Channel Islands and 30·05 ins. and upwards on our extreme south-west coasts generally to 29·65 ins. and less in the Shetlands. The actual values were above the average in all districts excepting the north of Scotland, and as the excess was greatest (0·12 in. to 0·15 in.) in the south-west, the gradient over our Islands was steeper than usual. *Highest* readings were observed on the 27th, when the barometer ranged from 30·5 ins. and upwards on the north and east coasts of Great Britain to between 30·8 ins. and 30·9 ins. over the greater part of Ireland. The reading of 30·93 ins. registered at Valencia at noon on this day was with one exception (in January 1891) the highest on record for that station. *Lowest* readings were recorded on the 22nd, when the barometer fell to 28·2 ins. and less in the north-east of Scotland and to 28·5 ins. and less over the northern parts of the kingdom generally. In the extreme south of England, however, the mercury did not fall below 29·5 ins. *Range* was consequently small in the south, but large in the north, and especially so in the north of Ireland, where it amounted to nearly two and a half inches.

Depressions.—During the earlier part of the month the depressions observed in the neighbourhood of our islands were of little importance, and as a rule their centres passed well outside our north-western or northern coasts. On the 21st–22nd, however, a system of unusual depth travelled eastwards across Scotland and the North Sea, while on the 28th–29th a disturbance of less intensity, but of wider extent, spread over us from the northward, its centre eventually moving southwards across Scandinavia and Denmark. The barometric changes observed in Scotland during the progress of the former disturbance were of exceptional rapidity.

Anticyclones.—The only anticyclone of any importance observed over the United Kingdom was a large system of great height which extended from the southward on the 23rd and which remained with us until the night of the 27th, when it passed away rapidly in a south-westerly direction.

Winds, although rather variable on our south-west coasts, were chiefly from the Westward, and frequently attained the force of a gale, especially in the west and north. The Westerly to North-westerly gale which accompanied the deep depression of the 21st–22nd was exceptionally severe over the northern parts of England and Ireland; at Fleetwood the wind blew with a velocity exceeding 100 miles per hour for four consecutive hours, the maximum of 107 miles in 60 minutes registered at 9 a.m. on the 22nd being the highest on record for these Islands.

Temperature.—*Mean at Sea Level* ranged from 48°·7 at Scilly and from 46° and upwards on our extreme south-west coasts generally to 41° and less in most of the northern and eastern parts of Great Britain, and to 39° and less, over Central Scotland. The general distribution was fairly normal, but the actual values were above the average,* the excess being considerable (three to four degrees) at many of the English and Irish stations. *Highest* readings were recorded between the 11th and 13th, when the thermometer rose to 55° and upwards in most districts, the highest values of all being 62° at Plymouth and 60° at Glenlee. *Lowest* readings were observed either during the first week or at the extreme end of the month, when sharp frost was experienced in most places; at Braemar the sheltered thermometer fell to 16°, and at Fort Augustus, Nairn, and Hawes Junction to 20°. *Range* was moderate for the time of the year. *Vapour Tension* ranged from between 0·28 in. and 0·30 in. on our south-west coasts to 0·22 in. and less at several of the northern and central stations in Great Britain. *Relative Humidity* exceeded 90 per cent. in many places, the highest value of all being 94 per cent. at Stornoway, Donaghadee, and Dungeness. The lowest per-centages were 82 at Jersey and 84 at Valencia.

Rainfall varied greatly in different localities, but was upon the whole rather deficient, the only regions in which any general excess was shown being the north-western parts of Ireland and Scotland. The largest aggregates reported were 13·0 ins. at Glencarron, 8·7 ins. at Fort William, and 7·7 ins. at Laudale; the smallest were 1·1 ins. at Shields, 1·2 ins. at the North Foreland, and 1·3 ins. at Durham, York, Bawtry, Cambridge, and Dungeness. The number of rainy days was large in all districts excepting the eastern, central, and southern parts of England. At Belmullet there were as many as 29 days, and at Sunburgh Head and Valencia 27 days with rain.

Bright Sunshine was in excess of the average at all but a few of our western and extreme northern stations. The per-centage of the possible duration ranged from between 25 and 27 on the south coasts of England to 10 or less in many parts of Scotland. The smallest per-centages were 6 at Fort Augustus and Manchester (Oldham Road) and 8 at Fort William and Edinburgh.

* 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 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.								
				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°625	ins. -0°048	42°2	38°1	45°3	41°7	+2°8	29	31st	52	13th
	Wick	29°671	-°047	40°8	35°2	45°3	40°3	+2°8	24	31st	55	13th, 25th
	Stornoway	29°719	+°014	42°9	36°6	46°4	41°5	+2°8	29	5th, 31st	53	11th
1. SCOTLAND, E.	Nairn	29°725	-°018	38°9	31°9	45°1	38°5	+1°1	20	4th, 5th	57	11th
	Aberdeen	29°764	-°003	39°0	34°2	44°3	39°3	+2°0	27	2nd, 3rd	55	13th
	Leith	29°805	-°002	41°6	36°2	46°4	41°3	+2°4	28	4th, 9th	56	13th
2. ENGLAND, N.E.	Shields	29°848	+°003	40°7	35°4	45°6	40°5	+2°1	28	3rd	55	13th
	York	29°912	+°022	39°8	35°4	45°4	40°4	+3°1	26	2nd	55	13th
	Spurn Head	29°903	+°030	42°1	38°2	45°5	41°9	+3°0	28	31st	51	13th
3. ENGLAND, E.	Yarmouth	29°952	+°036	41°1	35°9	45°4	40°7	+2°9	26	3rd	51	14th
	Cambridge	29°998	+°057	39°5	34°3	46°2	40°3	+3°1	27	31st	53	13th
4. MIDLAND COUNTIES	Loughborough	29°974	+°050	40°1	35°8	45°9	40°9	+3°4	25	1st	54	13th
	Oxford	30°027	+°072	39°7	36°2	45°7	41°0	+2°8	27	31st	53	13th
5. ENGLAND, S.	London	30°022	+°068	40°4	36°3	46°7	41°5	+2°5	28	31st	54	14th
	North Foreland	30°003	+°003	42°7	38°2	46°3	42°3	+2°8	30	31st	53	14th
	Dungeness	30°011	+°058	42°0	37°9	47°2	42°6	+2°5	28	31st	52	12th
	Hurst Castle	30°049	+°091	43°5	39°7	48°2	44°0	+3°0	29	6th, 21st	54	14th
6. SCOTLAND, W.	Ardrossan	29°842	+°022	43°5	39°3	46°9	43°1	+2°9	30	31st	53	13th
7. ENGLAND, N.W.	Hawes Junction*	28°647	?	36°9	32°1	41°8	37°0	?	20	31st	50	13th
	Liverpool	29°949	+°054	42°5	39°0	46°7	42°9	+3°3	26	6th	56	12th
	Holyhead	29°961	+°082	45°2	41°4	48°3	44°9	+2°1	33	4th, 31st	53	13th, 17th
8. ENGLAND, S.W.	Pembroke	30°031	+°115	46°8	43°3	49°0	46°2	+2°6	31	31st	53	11th, 12th, 13th
	Prawle Point	30°072	+°102	45°0	41°0	49°2	45°1	+2°5	28	31st	54	8th, 14th, 25th
9. IRELAND, N.	Malin Head	29°843	+°033	43°7	40°2	47°1	43°7	+4°0	31	31st	54	13th
	Donaghadee	29°903	+°055	43°3	38°4	47°4	42°9	+1°9	29	2nd	56	13th
	Belmullet	29°950	+°130	45°4	40°7	49°3	45°0	+1°2	33	31st	55	12th, 13th
10. IRELAND, S.	Parsonstown	29°994	+°093	41°2	36°6	47°7	42°2	+3°3	25	31st	54	10th, 12th
	Valencia	30°046	+°141	47°6	42°9	51°5	47°2	+2°3	32	1st	55	9th, 12th, 13th
	Roche's Point	30°053	+°141	47°1	43°1	50°2	46°7	+3°3	33	31st	54	13th, 17th
CHANNEL ISLANDS	Scilly	30°071	+°120	49°0	45°4	51°3	48°4	+1°9	35	31st	55	12th, 13th
	Jersey	30°106	+°121	46°1	42°3	49°8	46°1	+2°8	28	4th	55	14th

* Hawes Junction is 1,155 feet above mean sea level, and the

SUMMARY OF OBSERVATIONS, DECEMBER 1894.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of DECEMBER 1894.

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.						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.
in.	%		ins.	ins.	ins.																	
0.245	91	9.5	6.06	+1.81	1.41	18th	27	5	0	0	0	26	5	9	0	0	2	8	3	7	1	1
231	92	6.3	2.85	-0.25	0.50	21st	22	5	0	1	4	10	7	3	0	0	0	7	2	5	14	0
258	94	7.9	7.05	+1.42	1.25	12th	25	5	3	2	1	17	10	6	1	0	1	3	7	5	6	2
208	88	5.7	1.49	-0.46	0.39	28th	21	3	0	0	4	9	2	3	0	0	0	0	5	8	5	10
205	86	6.7	2.78	-0.46	0.46	22nd	22	5	0	0	0	7	11	1	0	0	0	7	8	5	10	0
231	89	6.7	1.47	-0.39	0.35	21st	17	2	0	0	1	13	3	0	0	0	3	4	9	12	2	1
233	92	7.5	1.08	-1.49	0.22	14th	14	3	1	0	2	11	4	1	1	0	0	6	11	8	4	0
219	90	6.6	1.25	-1.03	0.23	14th	18	1	0	0	8	15	4	5	1	1	2	7	2	7	4	2
234	88	8.0	2.04	-0.10	0.40	14th	19	5	0	1	2	22	2	1	0	2	2	6	6	11	3	0
222	86	6.0	2.79	+0.13	0.68	31st	18	1	1	0	4	5	5	1	0	1	2	4	7	11	5	0
223	92	6.5	1.34	-0.54	0.51	14th	14	2	0	0	8	17	6	2	1	0	1	5	12	3	0	1
223	90	7.9	2.06	-0.18	0.49	11th	17	4	0	0	3	19	11	1	0	2	5	3	7	9	4	0
220	90	7.6	2.39	+0.29	0.59	14th	15	2	1	0	7	22	1	1	2	1	2	4	10	6	5	0
220	88	6.4	1.97	-0.13	0.82	14th	15	1	0	0	9	15	4	0	0	3	0	4	7	9	6	2
233	85	6.6	1.23	?	0.43	7th	14	2	2	0	7	16	6	4	0	1	2	6	4	10	4	0
249	94	7.2	1.26	-1.74	0.58	7th	14	2	0	0	0	11	3	3	0	2	2	4	6	7	7	0
260	92	7.2	1.61	-1.17	0.41	11th	14	1	0	0	3	17	2	3	3	2	0	3	5	9	6	0
253	93	7.5	2.71	-1.03	0.50	21st	24	2	1	0	4	17	6	1	3	2	1	5	3	8	7	1
215	98	8.2	5.51	?	1.32	21st	19	1	0	1	2	24	4	1	4	3	3	4	7	7	2	0
238	87	6.9	2.23	-0.36	0.33	15th, 17th	21	0	0	0	5	14	7	1	1	1	8	1	4	10	4	1
253	85	8.5	4.11	+0.29	0.64	11th	24	2	2	0	0	15	17	1	2	2	0	5	6	9	4	2
289	91	7.6	3.06	-0.93	0.41	23rd	20	2	2	0	3	17	10	2	2	3	2	1	5	6	10	0
260	87	7.5	2.76	-1.00	0.42	7th	18	3	0	0	0	12	9	2	3	1	2	3	4	10	6	0
247	86	7.5	2.25	?	0.35	21st	21	1	3	0	4	21	12	3	0	0	2	10	4	3	9	0
263	94	5.9	2.43	-0.41	0.45	21st	22	1	0	0	0	6	13	2	0	2	0	4	10	6	7	0
258	86	7.3	6.47	?	1.00	21st	20	0	4	0	3	17	9	1	0	1	4	3	8	7	7	0
210	93	7.1	2.89	-0.15	0.50	21st	21	1	0	0	2	12	0	1	0	1	4	0	2	9	0	14
275	84	8.2	5.41	-0.58	0.87	9th	27	0	5	0	1	20	13	2	3	3	2	5	4	7	4	1
290	90	6.3	4.54	-0.41	0.90	9th	17	2	0	0	0	8	12	3	0	1	3	4	4	6	10	0
300	87	7.9	3.03	-0.99	0.62	11th	21	2	3	0	0	10	11	5	2	3	2	3	4	5	7	0
254	82	7.7	2.46	-1.36	0.48	23rd	21	2	6	0	2	15	7	3	1	3	3	3	1	8	9	0

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 1894.

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.	°	27°0	- 0°6	14	°
GLENCARRON	33°3	44°3	38°8	+ 1°7	25	4th, 5th	57	11th	25	13°00	+ 3°45	1°59	21st	—	—	—	—
FORT AUGUSTUS	33°4	44°8	39°1	+ 1°4	20	5th	55	13th	23	6°03	+ 1°32	0°91	21st	11°5	?	6	?
FORT WILLIAM	36°3	46°3	41°3	+ 2°1	24	5th	56	11th, 13th	25	8°67	- 0°49	1°50	12th	16°1	?	8	?
ABERDEEN	°	°	°	°	°	°	°	°	°	°	°	°	°	29°0	- 8°9	14	- 5
BRANMAR	29°6	40°4	35°0	+ 0°8	16	4th	52	13th	18	4°51	+ 1°53	0°80	21st	20°5	?	10	?
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	16°8	?	8	?
OCHTERTYRE	33°0	44°1	38°6	+ 2°6	25	2nd, 30th	54	25th	20	3°83	- 0°34	1°01	21st	—	—	—	—
MARCHMONT	33°2	41°1	37°2	+ 1°0	22	2nd	50	12th	7	1°47	- 1°68	0°55	21st	25°5	?	12	?
ALNWICK CASTLE	35°5	43°6	39°6	+ 2°0	28	3rd	53	13th	22	2°18	- 0°97	0°30	13th	—	—	—	—
DURHAM	33°5	44°6	39°1	+ 2°3	26	2nd, 31st	54	13th	18	1°28	- 1°67	0°34	14th	48°1	+ 6°6	22	+ 3
SCARBOROUGH	†	†	†	†	†	†	†	†	†	2°55	- 0°28	†	†	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	40°0	?	18	?
YORK	°	°	°	°	°	°	°	°	°	°	°	°	°	38°0	+ 13°5	17	+ 6
HILLINGTON	35°8	45°2	40°5	+ 3°8	28	1st, 31st	52	14th	22	3°20	+ 0°77	0°87	31st	36°6	- 0°3	16	0
GELDESTON	35°5	46°4	41°0	+ 3°2	27	2nd	51	14th, 18th, 22nd	21	2°51	+ 0°31	0°54	14th	49°3	+ 2°9	21	+ 1
CAMBRIDGE	°	°	°	°	°	°	°	°	°	°	°	°	°	35°8	- 3°5	15	- 2
ROTHAMSTED	35°3	45°5	40°4	+ 3°0	26	31st	51	13th, 17th	21	2°06	- 0°37	0°59	14th	53°6	?	23	?
BAWTRY	35°1	45°5	40°3	+ 3°1	25	1st	53	13th	13	1°29	- 0°97	0°27	14th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	33°6	+ 1°7	15	+ 1
STAMFORD (KETTON HALL).	34°7	45°7	40°2	+ 3°2	27	9th, 31st	53	13th	22	1°97	- 0°36	0°44	14th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	34°9	+ 11°7	15	+ 5
CHEADLE	35°4	44°5	40°0	+ 3°6	25	31st	52	13th	18	2°56	- 0°57	0°42	14th, 15th	—	—	—	—
CHURCHSTOKE	35°8	46°2	41°0	+ 3°3	26	1st, 31st	53	13th, 14th, 17th	19	2°37	- 0°70	0°45	14th	30°4	- 7°1	13	- 3
HEREFORD	36°5	46°0	41°3	+ 3°0	26	1st	55	17th	18	1°60	- 0°76	0°30	14th	—	—	—	—
GIRENCESTER	34°3	46°0	40°2	+ 3°0	23	6th	56	16th	17	2°74	- 0°09	0°65	11th	53°2	+ 14°6	23	+ 6
OXFORD	°	°	°	°	°	°	°	°	°	°	°	°	°	52°8	+ 15°4	23	+ 7
LONDON	°	°	°	°	°	°	°	°	°	°	°	°	°	28°5	+ 9°1	12	+ 4
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	50°5	?	21	?
STRATHFIELD TURGIS	34°3	45°9	40°1	+ 2°4	25	6th	54	14th	19	2°61	+ 0°47	0°97	14th	64°7	+ 10°0	27	+ 4
HASTINGS	38°3	47°5	42°9	+ 2°9	29	31st	53	12th	14	2°34	- 0°60	0°49	7th	64°1	?	27	?
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	60°7	?	25	?
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	65°6	?	27	?
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	60°4	+ 14°1	25	+ 6
SOUTHAMPTON	38°0	48°2	43°1	+ 3°3	27	31st	55	14th, 15th	17	2°57	- 0°54	0°59	14th	—	—	—	—
STOWELL	35°9	46°3	41°1	+ 2°8	21	6th	53	14th	24	3°16	?	0°72	14th	—	—	—	—
LAUDALE	37°2	49°9	43°6	+ 3°8	25	31st	59	11th, 13th, 14th	26	7°72	- 1°62	1°40	21st	—	—	—	—
GLASGOW	37°1	45°2	41°2	+ 3°3	28	30th	54	13th	23	3°60	- 0°44	0°72	21st	26°5	+ 11°3	13	+ 6
GLENLEE	34°6	46°1	40°4	+ 3°3	21	4th	60	11th	24	6°59	+ 0°40	1°52	21st	—	—	—	—
DOUGLAS	40°1	48°0	44°1	+ 3°0	32	31st	53	13th, 14th	23	5°12	+ 0°60	0°62	11th	40°7	- 2°7	18	- 1
STONYHURST	36°0	44°8	40°4	+ 2°8	29	3rd, 31st	52	13th, 14th	19	5°08	+ 0°48	0°77	15th	31°6	+ 3°9	14	+ 2
BLACKPOOL	37°4	47°0	42°2	+ 3°4	28	6th	54	13th	21	2°86	- 0°34	0°51	18th	35°5	+ 9°7	16	+ 4
MANCHESTER (PREST-WICH).	35°5	47°2	41°4	+ 4°0	26	6th, 28th, 31st	53	13th	22	4°06	+ 0°51	0°61	17th	25°3	?	11	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	14°2	?	6	?
LLANDUDNO	40°7	48°6	44°7	+ 3°1	31	4th	59	13th	21	2°54	- 0°59	0°48	17th	35°0	+ 10°3	15	+ 4
LLANDOVERY	36°6	47°2	41°9	+ 1°2	22	1st	54	11th, 13th	26	5°34	+ 0°02	0°63	13th, 17th	—	—	—	—
PEMBROKE	°	°	°	°	°	°	°	°	°	°	°	°	°	41°3	- 4°9	18	- 2
BRISTOL (MONTPELIER)	37°7	47°1	42°4	+ 3°3	27	5th	54	13th	16	3°13	- 0°05	0°60	14th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	52°3	?	22	?
ARLINGTON	38°6	47°1	42°9	+ 2°6	27	31st	53	13th	24	6°07	+ 0°34	0°85	13th	—	—	—	—
CULLOMPTON	38°2	48°6	43°4	+ 4°1	28	1st	55	2nd	23	2°69	- 0°83	0°61	14th	61°2	+ 27°3	26	+ 12
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	73°3	?	30	?
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	49°6	?	20	?
FALMOUTH	42°8	50°0	46°4	+ 2°3	31	31st	55	13th, 14th	23	4°46	- 0°79	0°65	23rd	66°6	+ 12°6	27	+ 5
PLYMOUTH	41°6	50°6	46°1	+ 4°0	27	31st	62	12th	22	3°52	- 0°32	0°58	9th	59°7	+ 8°3	25	+ 4
SCILLY	°	°	°	°	°	°	°	°	°	°	°	°	°	59°5	?	24	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	47°3	?	19	?
JERSEY	°	°	°	°	°	°	°	°	°	°	°	°	°	64°1	+ 7°0	26	+ 3
LONDONERRY	37°6	47°1	42°4	+ 3°1	31	4th, 31st	54	11th, 13th	26	4°25	+ 0°30	0°70	21st	—	—	—	—
EDENFEL (OMAGH)	36°2	45°8	41°0	+ 3°2	25	31st	53	10th	24	3°95	+ 0°41	0°53	9th	—	—	—	—
MARKREE CASTLE	37°1	48°0	42°6	+ 4°0	23	6th	55	13th	26	4°86	+ 1°39	0°56	21st	25°4	- 11°0	11	- 5
BROOKEBOROUGH	35°7	46°5	41°1	+ 3°9	22	31st	54	13th	23	4°58	+ 0°51	0°64	15th	—	—	—	—
ARMAGH	36°7	46°5	41°6	+ 3°7	26	2nd, 31st	55	13th	20	2°64	- 0°16	0°36	18th	27°6	- 7°7	12	- 4
EDGEWORTHSTOWN	34°8	46°7	40°8	+ 2°9	22	6th	54	13th	22	3°09	- 0°13	0°43	21st	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	31°2	?	14	?
DUBLIN	39°0	48°7	43°9	+ 3°1	28	31st	57	13th	18	1°51	+ 0°88	0°22	23rd	58°8	+ 9°9	26	+ 5
PARSONSTOWN	°	°	°	°	°	°	°	°	°	°	°	°	°	47°8	+ 5°4	21	+ 2
KILKENNY CASTLE	37°1	47°8	42°5	+ 2°6	27	2nd, 31st	56	13th	15	2°74	- 0°43	0°58	17th	—	—	—	—
VALENCIA (CAHIR-CIVERN).	°	°	°	°	°	°	°	°	°	°	°	°	°	37°0	- 8°1	16	- 3
KILLARNEY	40°5	50°7	45°6	+ 3°3	28	31st	56	9th, 13th, 22nd	23	6°06	?	0°88	9th	—	—	—	—
FOYNES	41°0	49°3	45°2	+ 4°5	30	30th	56	22nd	21	3°56	?	0°48	18th	—	—	—	—

* For information see Table XXIII.

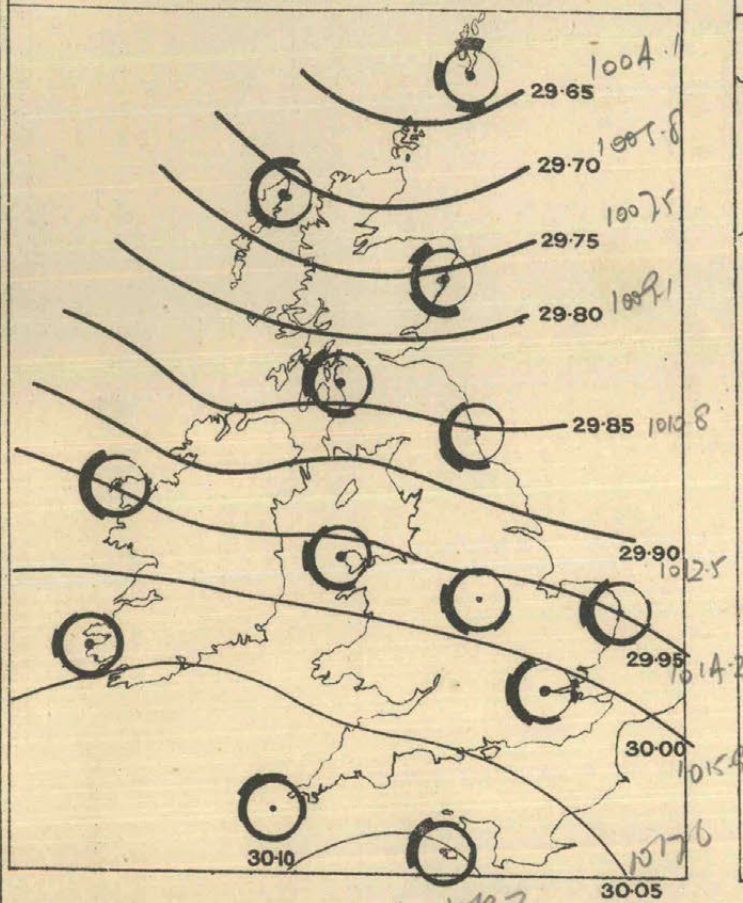
† Observations incomplete.

MONTHLY WEATHER CHART DECEMBER 1894.

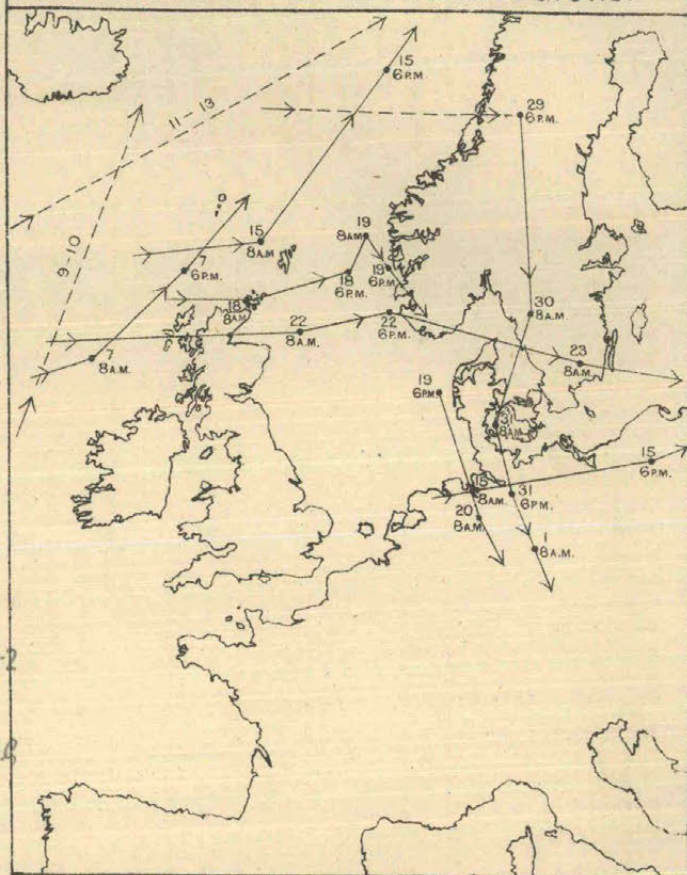
Monthly Summary.

Plate XII.

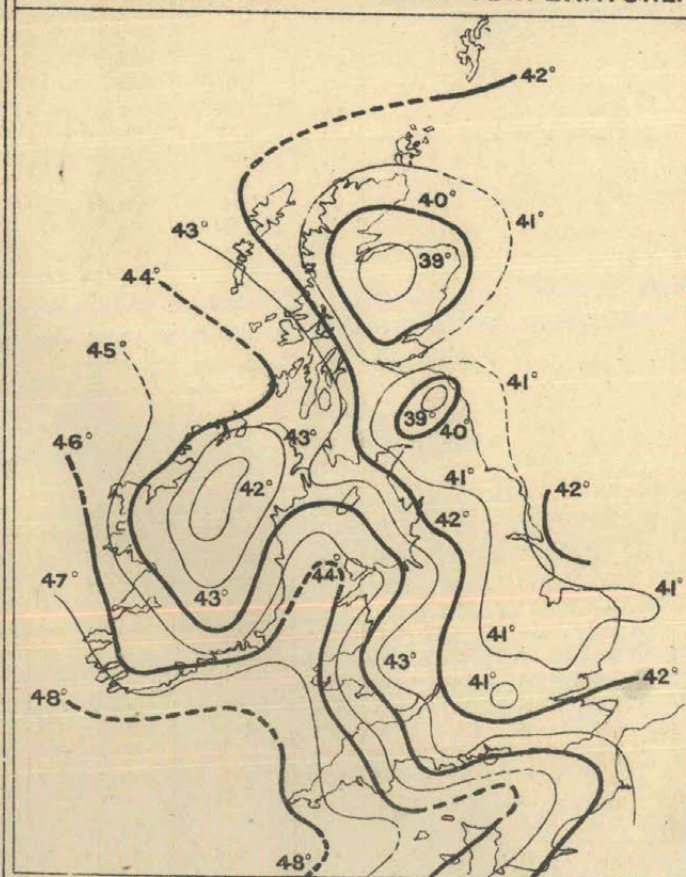
1. BAROMETER AND WIND.



2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4. RAINFALL.

