

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

JANUARY 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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General Summary.—The weather of January was mostly cloudy or misty, but dry and quiet, the only gale of any importance being a rather severe one from the North-westward, which occurred in the north-east of Scotland between the 15th and 16th. Thunder and lightning occurred in the Shetlands and Hebrides on the 28th. Pressure was very high, especially about the 9th and 30th; temperature also was above the average; the winds were variable in the south, but Westerly in the north; rainfall was very deficient in all districts excepting the north of Scotland; bright sunshine was in excess of the normal in the north, but was below it in most other districts.

Pressure.—*Mean at 8 a.m.* ranged from 30·35 ins. over a considerable portion of our southern counties and the English Channel to a little below 30·0 ins. in the Shetlands. Over the northern parts of the kingdom the general distribution was fairly normal, but in the south it was distinctly anticyclonic, the actual values being considerably more than 0·3 in. in excess of the average* over nearly the whole kingdom, and more than 0·4 in. in excess at most of the Welsh and Irish stations. *Highest* readings occurred very generally on the 9th, when the barometer rose to 31·1 ins. at some stations in the west of Scotland, to 31·0 ins., and upwards over the northern parts of our islands generally, and to 30·9 ins. and upwards in all districts excepting the extreme south and south-east of England. At Fort William, the reading at 10.12 a.m. on the 9th, corrected and reduced to sea level, was as high as 31·103 ins. Over the southern parts of Ireland and England the barometer again exceeded 30·9 ins. on the 29th or 30th, the readings being in many places almost, and in some quite, as high as those in the same positions on the 9th. *Lowest* readings occurred over Ireland and England on the 13th or 14th, when the barometer fell below 29·5 ins. on all but our extreme west and south-west coasts. In Scotland, however, they were reported on the 15th, the mercury falling below 28·5 ins. in the Shetlands and below 28·9 ins. over the country generally. *Range* was moderate in the south, but very large in the north; at Sumburgh Head it amounted to more than 2·5 ins.

Depressions.—Very few depressions were observed in our immediate neighbourhood, the centres of the Atlantic disturbances passing as a rule across the extreme northern parts of Scandinavia and Russia. On the night of the 13th, however, a shallow secondary system travelled south-eastwards across England, while on the 15th–16th, a far deeper disturbance skirted the north of Scotland, and passed eastwards to the south of Scandinavia and the Baltic.

Anticyclones.—With the exception of the week ending the 18th there was scarcely any time in which anticyclonic conditions were not reported over at least a portion of the United Kingdom. In two cases, viz., between the 6th and 11th and the 29th and 31st the system was of unusual height, as already stated, and had its central portion immediately over us.

Winds blew from various directions in the south, but principally from the Westward or South-westward in the more northern districts. Scarcely any gales were experienced in the south and east, and very few in the west and north, as a whole, but on our extreme north or north-west coasts there were six or seven, and at Roche's Point (locally) as many as eight. Over England and Ireland absolutely calm weather was as rare as high wind.

Temperature.—*Mean at Sea Level* ranged from 47° at Scilly, and 45° or more on our extreme west and south-west coasts generally, to 40° or less over the north and east of Scotland and the east of England, and to a little below 39° at Yarmouth. The mean values were in all cases above the average,* the amount of excess varying considerably in different places, but ranging as a rule between two and a half and three and a half degrees. *Highest* readings were observed on irregular dates, but mostly either between the 1st and 3rd, the 15th and 17th, or the 26th and 27th, when the thermometer reached 55° in many parts of the kingdom; at Nairn and Llandudno it rose to 56°, and at Dublin to 57°. *Lowest* readings occurred over Ireland on the 10th or 11th, but over Great Britain on the 22nd or 23rd, the only stations at which the thermometer fell below 20° being Braemar, Stamford, Churchstoke, and Glenlee. *Range* was moderate. *Vapour Tension* ranged from between 0·26 in. and 0·28 in. on our extreme west and south-west coasts to between 0·20 in. and 0·22 in. at most stations situated in the eastern and central parts of Great Britain. *Relative Humidity* varied from 97 per cent. at Cambridge, and 96 per cent. at Wick and Dungeness, to 86 per cent. at Nairn, and to between 85 and 86 per cent. on our extreme south-west coasts generally.

Rainfall was very deficient in all districts excepting the north of Scotland. Over the United Kingdom generally the total amount was less than half, while at many stations in the west and south-west of England it was less than one fourth, of the average.* The largest aggregates reported were 10·4 ins. at Glencarron, 8·8 ins. at Fort William, and 5·7 ins. at Stornoway; the smallest being 0·4 in. at Hereford, and 0·5 in. at York, Bawtry, and Strathfield Turgess. Snow or sleet occurred over England on the 9th and 10th, over the northern parts of Great Britain generally between the 13th and 16th, and in Scotland between the 21st and 23rd, but the fall was in most cases very slight.

Bright Sunshine was in excess of the average* over the northern parts of Great Britain as a whole, and also at some of our south-western stations, but was deficient in nearly all other localities. The per-centage of the possible duration ranged from 30 at Aberdeen, and 26 at Durham, to 6 in London and at Prestwich, to 5 at Fort Augustus, and to 3 at Manchester (Oldham Road).

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; *Bright Sunshine* for the 15 years 1881–95.

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 29° 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°979	+0°303	39°9	35°2	43°5	39°4	+0°5	23	16th	48	30th
	Wick	30°043	+°328	39°8	34°1	44°1	39°1	+1°0	20	15th	50	17th, 27th, 30th
	Stornoway	30°066	+°378	41°7	35°6	45°7	40°7	+2°2	28	9th, 10th, 11th	51	17th, 26th, 27th
1. SCOTLAND, E.	Nairn	30°098	+°354	40°0	32°6	45°9	39°3	+2°2	23	23rd	56	27th
	Aberdeen	30°154	+°368	38°4	34°9	44°3	39°6	+2°2	29	10th, 15th	52	17th, 30th
	Leith	30°185	+°364	41°5	35°9	46°9	41°4	+2°8	22	24th	54	27th
2. ENGLAND, N.E.	Shields	30°230	+°359	40°5	35°9	46°0	41°0	+2°9	25	23rd, 24th	53	2nd
	York	30°286	+°364	39°4	35°1	46°6	40°9	+3°9	25	21st, 22nd, 31st	55	2nd
	Spurn Head	30°276	+°365	39°9	36°8	43°3	40°1	+2°5	30	22nd	50	2nd
3. ENGLAND, E.	Yarmouth	30°294	+°334	38°1	34°5	42°8	38°7	+1°6	25	21st, 22nd	51	2nd
	Cambridge	30°336	+°357	38°5	34°0	45°3	39°7	+2°9	20	23rd	52	2nd, 15th, 17th, 25th.
4. MIDLAND COUNTIES	Loughborough	30°318	+°360	38°6	34°7	45°2	40°0	+2°9	21	23rd	53	17th
	Oxford	30°350	+°363	39°5	35°8	45°3	40°6	+2°8	26	21st	53	15th, 25th
5. ENGLAND, S.	London	30°347	+°356	39°7	35°9	45°2	40°6	+2°2	27	20th, 21st	52	15th, 17th
	North Foreland	30°335	+°345	41°3	37°5	44°8	41°2	+2°6	33	10th, 20th, 30th	51	15th
	Dungeness	30°316	+°324	39°9	36°4	44°6	40°5	+1°6	26	30th	49	19th
	Hurst Castle	30°352	+°361	41°8	38°4	46°0	42°2	+2°2	30	30th, 31st	52	15th
6. SCOTLAND, W.	Ardrossan	30°207	+°373	42°0	37°8	45°9	41°9	+2°1	28	11th, 23rd	51	17th
7. ENGLAND, N.W.	Hawes Junction*	28°999	?	36°3	32°2	41°2	36°7	?	20	23rd, 24th	48	3rd, 27th
	Liverpool	30°309	+°391	41°0	37°7	45°5	41°6	+2°7	25	22nd	54	1st, 2nd, 27th
	Holyhead	30°300	+°403	43°3	39°2	46°8	43°0	+1°3	31	21st, 22nd	51	2nd, 17th
8. ENGLAND, S.W.	Pembroke	30°335	+°403	44°1	40°8	46°6	43°7	+1°6	33	7th	51	1st, 15th
	Prawle Point	30°352	+°361	43°1	39°7	47°4	43°6	+2°3	31	7th, 8th, 11th	53	24th
9. IRELAND, N.	Malin Head	30°185	+°390	43°6	39°7	47°1	43°4	+2°1	28	13th	52	26th, 27th
	Donaghadee	30°246	+°392	42°5	38°3	46°8	42°6	+2°6	28	21st	52	17th
	Belmullet	30°243	+°413	45°0	41°6	48°4	45°0	+2°4	29	10th	53	26th
10. IRELAND, S.	Parsonstown	30°298	+°403	40°9	37°1	47°3	42°2	+2°9	23	11th	54	1st, 2nd
	Valencia (Cahiriveen)	30°309	+°415	45°6	41°2	50°1	45°7	+1°2	30	11th, 22nd	54	1st, 2nd, 3rd
	Roche's Point	30°332	+°423	45°3	41°8	49°4	45°6	+2°5	33	22nd	55	16th
CHANNEL ISLANDS	Scilly (St. Mary's)	30°317	+°357	47°6	43°8	50°1	47°0	+1°6	35	8th, 10th	55	1st
	Jersey	30°365	+°353	43°6	40°0	47°0	43°5	+1°7	33	11th	53	14th, 15th, 16th, 17th.

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

SUMMARY OF OBSERVATIONS, JANUARY 1896.

REPORTING STATIONS in the BRITISH ISLANDS, during the Month of JANUARY 1896.

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. 0'219	% 90	9'6	ins. 3'62	ins. -0'23	ins. 0'39	17th, 26th	28	5	0	1	0	28	6	5	1	0	2	4	3	11	5	2
*234	96	8'5	2'39	+0'15	0'65	18th	24	4	0	0	0	21	6	0	0	0	2	6	0	6	17	0
*251	95	7'4	5'66	+0'49	1'17	18th	20	5	4	1	3	20	5	2	1	1	0	2	7	11	5	2
*211	86	5'7	1'57	-0'41	0'33	14th	20	3	0	0	3	7	2	1	0	1	0	0	6	13	4	6
*200	87	6'5	0'64	-1'74	0'21	14th	13	4	0	0	0	8	6	1	0	0	2	3	12	4	9	0
*232	90	7'6	0'67	-1'11	0'19	26th	14	0	0	0	0	19	2	2	0	1	0	2	10	10	0	6
*231	92	7'7	1'08	-0'64	0'29	26th	10	1	0	0	2	17	1	1	1	0	2	2	11	8	3	3
*220	91	6'8	0'50	-1'34	0'17	13th	12	0	0	0	7	15	0	2	0	0	1	7	4	12	4	1
*229	94	8'0	0'66	-0'72	0'15	13th	11	2	0	0	2	20	1	2	2	2	1	4	8	10	2	0
*205	89	6'4	1'22	-0'74	0'30	13th	19	0	2	0	4	12	1	2	2	0	3	2	5	9	8	0
*225	97	8'2	0'86	-0'66	0'25	25th	11	0	0	0	4	23	0	5	1	2	3	2	11	2	5	0
*214	92	8'1	0'93	-1'08	0'23	24th	10	0	0	0	2	18	2	4	1	0	5	3	4	8	4	2
*220	91	8'1	0'63	-1'53	0'18	24th	12	0	0	0	5	23	0	4	3	2	2	2	8	7	1	2
*218	89	8'9	0'79	-1'27	0'17	25th	12	2	0	0	2	25	1	4	5	2	2	4	7	6	1	0
*224	87	8'1	0'74	?	0'22	25th	12	1	1	0	4	24	0	3	2	5	3	3	3	8	4	0
*235	96	8'1	0'66	-1'81	0'17	25th	14	1	1	0	0	16	0	5	3	5	2	3	5	4	2	2
*233	88	8'4	0'75	-2'11	0'22	25th	8	0	0	0	0	21	0	3	10	2	1	2	6	4	3	0
*247	93	6'9	1'79	-2'10	0'35	14th	19	1	1	0	6	18	5	2	6	2	0	5	3	7	2	4
*206	96	7'2	4'79	?	1'92	24th	17	0	0	0	1	17	0	1	6	4	1	0	12	5	2	0
*225	88	7'6	1'22	-0'96	0'30	13th	12	0	0	0	4	20	2	1	1	2	7	2	3	9	3	3
*246	88	8'8	1'43	-1'83	0'39	24th	13	0	0	0	0	21	4	2	3	2	3	6	6	6	2	1
*251	86	7'7	1'23	-2'48	0'46	24th	12	0	0	0	3	22	4	2	2	6	6	0	5	3	6	1
*248	89	8'3	1'37	-1'55	0'30	24th	14	0	0	0	0	19	2	2	8	5	0	3	4	5	4	0
*250	88	8'6	2'69	?	0'57	14th	21	0	2	0	0	20	7	2	0	2	2	9	9	3	4	0
*253	93	7'4	1'38	-1'52	0'29	14th	18	0	0	0	0	13	4	1	1	2	1	3	10	10	3	0
*264	89	7'9	2'40	-3'08	0'40	23rd	17	0	1	0	2	20	3	0	2	2	7	4	6	7	3	0
*232	91	8'2	1'02	-1'97	0'21	27th	13	0	0	0	1	21	0	0	0	0	3	3	2	3	0	20
*259	85	7'9	2'75	-3'56	0'68	1st	16	0	0	0	1	19	3	0	6	6	3	6	3	5	1	1
*272	90	7'9	1'50	-3'83	0'40	24th	12	0	0	0	0	16	8	5	5	0	4	5	3	5	4	0
*279	86	7'5	0'97	-2'66	0'25	24th	15	0	0	0	0	6	3	2	4	8	2	4	4	4	3	0
*246	86	9'1	1'07	-2'14	0'24	27th	15	3	0	0	1	26	0	1	4	5	6	4	2	5	3	1

Barometer at this station is not reduced for altitude.

TABLE II. MONTHLY WEATHER CHART, JANUARY 1896.

OBSERVATIONS OF TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of JANUARY 1896.

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	°	°	°	°	°	*	°	80°	*	ins.	ins.	ins.	*	28'9	-0'3	13	0
GLENCARRON	33'8	43'8	38'8	+1'9	23	9th, 14th	55	27th	23	10'41	+0'35	1'34	16th	—	—	—	—
FORT AUGUSTUS	34'2	44'6	39'4	+1'4	22	10th, 23rd	52	27th	20	5'32	+0'61	1'10	27th	10'3	-4'4	5	-2
FORT WILLIAM	37'1	45'3	41'2	+2'9	25	10th, 23rd	55	27th	24	8'75	-0'77	1'31	26th	16'7	-9'2	7	-5
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	67'1	+14'5	30	+7
BRAEMAR	30'3	41'0	35'7	+1'7	18	23rd	47	17th, 18th, 20th, 27th.	15	1'92	-1'21	0'60	27th	35'7	+14'3	16	+6
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	37'4	+3'9	16	+1
OCHTERTYRE	32'6	45'5	39'1	+2'8	20	22nd, 23rd	53	7th	15	1'89	-3'07	0'39	14th	—	—	—	—
MARCHMONT	33'8	44'6	39'2	+3'4	23	22nd	51	27th	15	1'38	-1'29	0'30	15th	48'3	+6'7	21	+3
ALNWICK CASTLE	34'9	44'6	39'8	+2'5	21	23rd	52	27th	15	1'22	-1'00	0'23	14th	—	—	—	—
DURHAM	34'7	45'0	39'9	+3'6	20	23rd	52	2nd	15	0'71	-1'29	0'26	13th	62'8	+17'8	26	+7
SCARBOROUGH	36'5	44'7	40'6	+2'6	28	23rd	53	2nd	14	0'86	-1'12	0'32	13th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	52'4	+14'1	22	+6
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	35'4	+5'2	15	+3
HILLINGTON	34'0	43'9	39'0	+2'7	20	23rd	52	2nd	12	1'71	-0'28	0'38	13th, 24th	42'9	-3'1	17	-2
GELDESTON	33'8	44'6	39'2	+1'7	23	21st	53	17th, 19th	15	1'01	-0'59	0'23	13th	47'2	-5'8	19	-2
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	43'3	-6'5	17	-3
ROTHAMSTED	34'5	44'1	39'3	+2'8	26	22nd, 23rd	52	15th, 17th	14	1'02	-1'47	0'37	24th	41'1	-5'1	16	-2
BAWTRY	35'5	45'5	40'5	+3'7	25	21st	54	2nd	12	0'47	-1'38	0'10	10th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	33'1	-4'4	13	-2
STAMFORD (KETTON HALL).	34'1	45'8	40'0	+3'8	18	23rd	53	2nd, 15th	13	90'77	-1'12	0'28	24th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	37'3	-3'0	15	-1
CHEADLE	35'0	43'6	39'3	+3'2	25	23rd	52	17th	11	1'40	-1'33	0'41	13th	—	—	—	—
SOLIHULL	35'1	43'3	39'2	+2'4	27	22nd	51	17th	14	1'14	?	0'50	24th	—	—	—	—
CHURCHSTOKE	35'1	44'6	39'9	+2'7	19	22nd	53	2nd, 26th, 27th	14	0'77	-2'07	0'16	24th	50'5	+3'7	20	+1
HEREFORD	35'3	45'5	40'4	+2'5	23	21st	53	17th	12	0'39	-2'12	0'17	24th	—	—	—	—
CIRENCESTER	35'1	45'1	40'1	+3'2	24	22nd	55	15th	11	0'73	-2'27	0'20	24th	37'7	-12'6	15	-5
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	33'7	-13'4	13	-6
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	15'1	-10'5	6	-4
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	31'1	-13'6	12	-5
STRATHFIELD TURGISSE	34'7	45'5	40'1	+2'9	22	20th	54	17th	10	0'45	-1'99	0'08	24th, 25th	—	—	—	—
HASTINGS	36'7	45'2	41'0	+2'0	30	31st	53	16th	19	1'39	-1'40	0'38	25th	39'6	-21'4	15	-9
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	35'9	-19'3	14	-7
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	48'9	-2'2	19	-1
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	48'5	-7'5	19	-3
SOUTHAMPTON	37'0	45'9	41'5	+2'3	29	30th	53	15th	9	1'10	-2'13	0'37	25th	35'3	-17'8	14	-7
STOWELL	35'4	44'6	40'0	+1'9	25	30th	52	1st, 15th	16	1'12	-2'20	0'22	27th	—	—	—	—
LAUDALE	37'1	†	†	†	28	23rd	†	†	25	4'41	-4'26	0'63	26th	—	—	—	—
GLASGOW	37'4	44'8	41'1	+3'1	26	23rd	51	27th	14	2'12	-1'80	0'39	27th	20'4	-2'9	9	-1
GLENLEE	34'7	44'9	39'8	+2'9	17	23rd	51	18th	18	3'80	-3'52	0'68	14th	—	—	—	—
DOUGLAS	39'1	46'9	43'0	+2'9	28	21st, 23rd	51	2nd, 3rd	13	2'32	-2'06	0'53	24th	43'1	-7'1	18	-3
STONYHURST	36'9	44'0	40'5	+3'3	28	10th, 21st	52	2nd	15	3'33	-0'70	0'94	24th	24'6	-11'0	10	-5
BLACKPOOL	36'7	45'8	41'3	+3'5	25	21st	52	27th	12	1'37	-1'51	0'48	24th	27'0	-9'7	11	-4
MANCHESTER (PRESTWICH).	36'4	45'1	40'8	+3'5	26	10th, 22nd	52	2nd, 18th	13	1'78	-1'41	0'42	13th	13'7	?	6	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	6'8	?	3	?
LLANDUDNO	40'3	47'0	43'7	+2'7	31	23rd	56	2nd, 27th	9	1'20	-1'55	0'35	14th	61'5	+17'5	25	+7
LLANDOVERY	34'3	45'9	40'1	+2'6	23	22nd	54	27th	15	2'20	-2'96	0'85	24th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	43'8	-9'8	17	-4
BRISTOL (MONTPELLIER)	37'6	46'0	41'8	+2'8	28	20th	53	1st, 25th, 26th, 27th.	11	0'56	-2'85	0'15	24th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	49'7	-8'7	20	-3
ARLINGTON	35'6	45'9	40'8	+1'1	24	29th	54	2nd	10	2'30	-2'01	0'74	13th	—	—	—	—
CULLOMPTON	36'0	46'2	41'1	+1'7	25	30th	55	26th	12	0'82	-2'58	0'16	13th	46'8	+2'5	18	+1
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	44'0	-16'4	17	-6
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	61'5	+9'2	23	+3
FALMOUTH	41'4	48'1	44'8	+1'6	31	7th, 8th, 10th	55	1st	14	1'30	-3'93	0'36	24th	51'1	-5'0	20	-1
PLYMOUTH	40'7	47'3	44'0	+2'5	31	7th, 30th	53	1st, 17th, 26th	16	1'25	-2'66	0'48	24th	55'7	+4'7	21	+2
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	54'2	?	21	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	48'1	-4'9	18	-2
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	44'0	-27'2	16	-11
LONDONDERY	38'1	47'3	42'7	+3'1	29	10th	54	26th	17	2'67	-1'30	0'73	14th	—	—	—	—
EDENFEL (OMAGH)	36'5	45'9	41'2	+3'8	23	10th	52	26th	14	1'79	-1'71	0'47	14th	—	—	—	—
MARKREE CASTLE	37'1	47'1	42'1	+3'1	20	10th	53	1st, 26th, 27th	17	1'92	-1'95	0'37	13th	35'8	-6'6	15	-3
BROOKEBOROUGH	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ARMAGH	37'5	46'5	42'0	+3'6	25	21st	53	27th	15	1'82	-0'98	0'41	14th	38'6	-6'2	16	-3
EDGEWORTHSTOWN	34'8	46'5	40'7	+2'4	22	10th, 21st	52	1st, 2nd, 24th, 26th, 27th.	13	2'04	-0'75	0'42	1st	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	30'9	-17'5	13	-7
DUBLIN	40'1	48'4	44'3	+3'1	28	21st	57	2nd	14	0'72	-1'54	0'21	13th	41'0	-18'3	17	-7
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	31'1	-19'7	13	-8
KILKENNY CASTLE	36'7	46'5	41'6	+1'0	22	21st, 22nd	54	2nd	11	0'97	-2'46	0'24	24th	—	—	—	—
VALENCIA (CAHIR-CIVREN).	*	*	*	*	*	*	*	*	*	*	*	*	*	49'9	-6'2	20	-2
KILLARNEY	38'8	49'2	44'0	+0'9	25	10th	55	1st, 2nd	12	2'78	?	0'54	13th	—	—	—	—
FOYNES	39'6	48'0	43'8	+2'9	27	20th, 21st	54	1st, 2nd, 26th	14	1'75	?	0'31	24th	—	—	—	—

* For information see Table I.

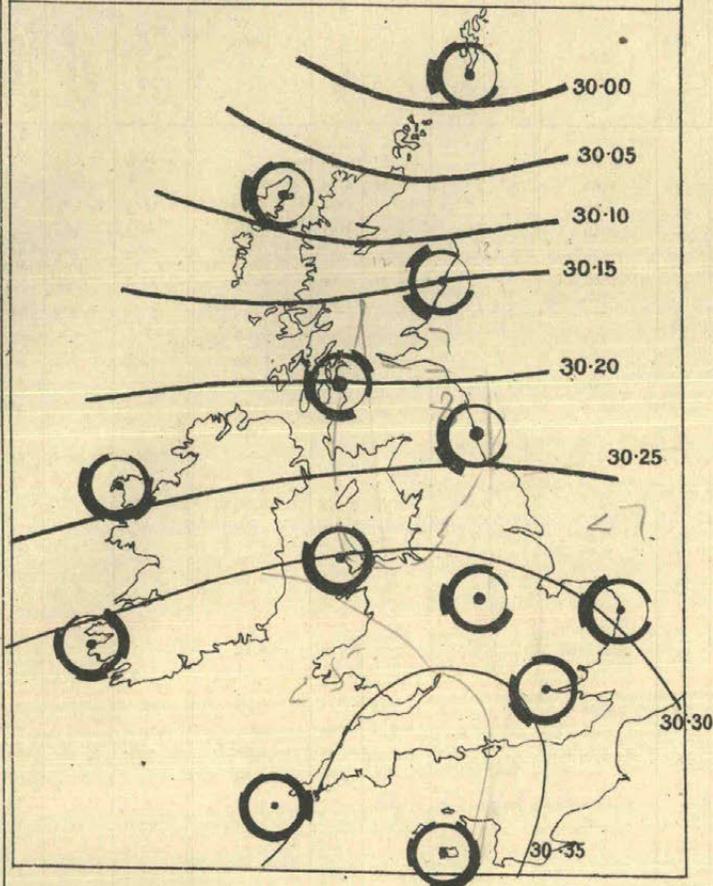
† Observations unreliable.

MONTHLY WEATHER CHART, JANUARY, 1896.

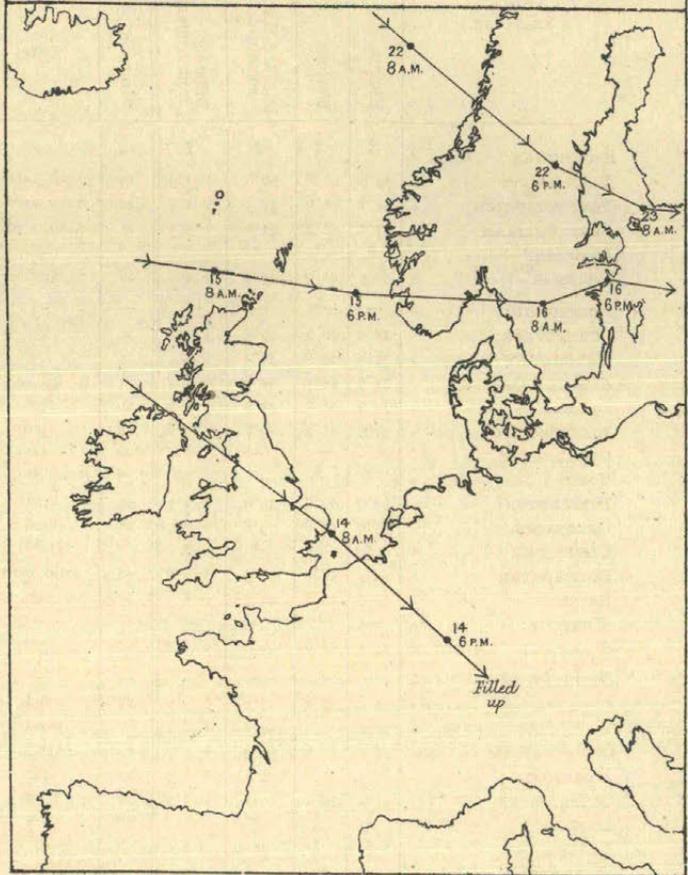
Monthly Summary.

Plate I.

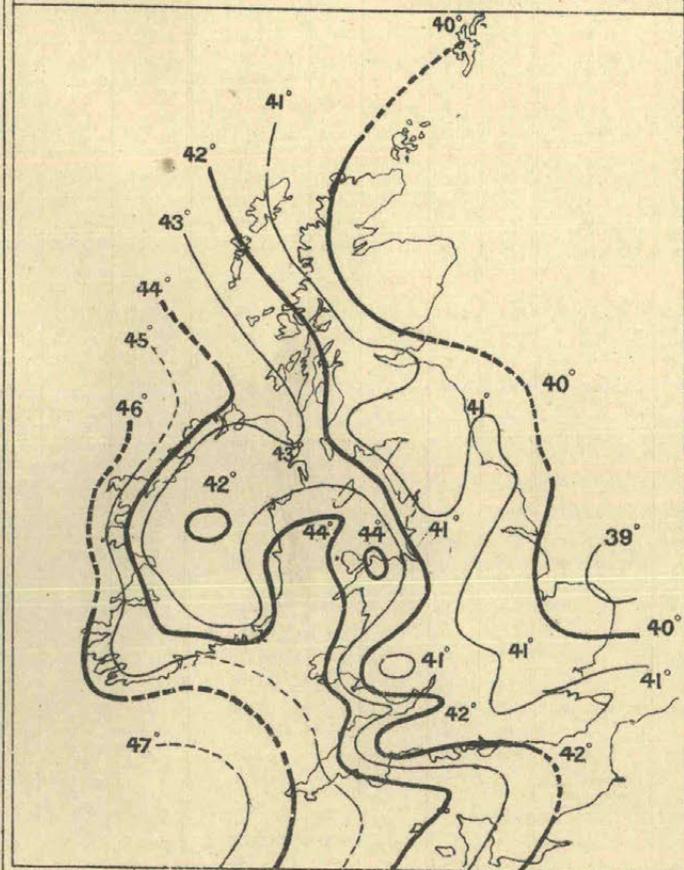
1. BAROMETER AND WIND.



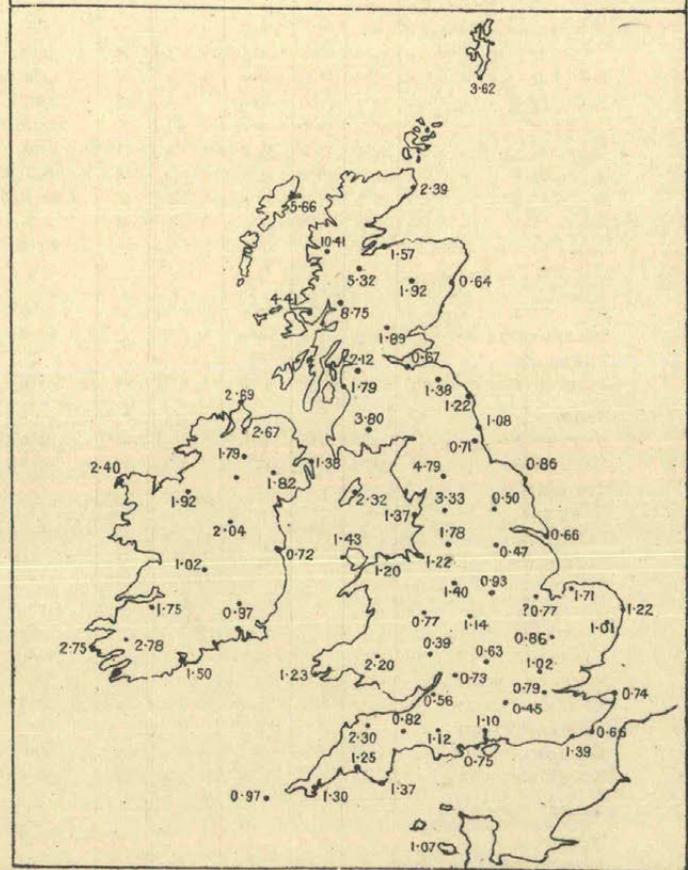
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.



To face p. IV.

OFFICIAL COPY.

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

FEBRUARY 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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, as a rule, fair and dry in all but the north-western and extreme northern parts of the kingdom, where rain was somewhat frequent. Towards the end of the month snow fell in the northern districts, but the amount was mostly slight. Pressure was very high, especially over England; temperature was also above the average, the excess being in this case greatest over Ireland and Scotland; winds were Easterly in the south, but Southerly or South-westerly in the west and north; rainfall was very deficient, excepting in the extreme north-west; bright sunshine was fairly abundant in the south of England, but considerably less than the normal in the northern districts.

Pressure.—*Mean at 8 a.m.* ranged from between 30·30 ins. and 30·35 ins. over nearly the whole of England, where the mean distribution was distinctly anticyclonic, to 30·15 ins. and less in the north-west of Ireland, and to 30·05 ins. and less in the extreme north of Scotland. The values were considerably above the average,* the excess ranging from about a quarter of an inch in the north of Scotland to 0·35 in. or more in the eastern and central parts of England. *Highest* readings were observed as a rule on the 3rd, when the barometer rose to 30·7 ins. and upwards over the northern, eastern, and central parts of England, and to 30·5 ins. and upwards in all other parts of the kingdom. At many of the Irish and Scotch stations, however, the barometer was equally high (30·5 ins. and upwards) on the 16th. *Lowest* readings occurred on the 19th and 20th, when the barometer fell below 29·3 ins. on the west coasts of Ireland and Scotland, and below 29·7 ins. in all other localities, excepting the east and south-east of England. *Range* was moderate.

Depressions.—The only depressions observed in our immediate neighbourhood were those of the 7th–8th, the 19th–20th, and the 25th. In the first instance the system passed north-eastwards outside our extreme north-west coasts, but in the other two cases the disturbance, which was of a “V-shaped” character, spread directly over us from the Atlantic. The depression of the 25th did not extend beyond our western coasts.

Anticyclones.—At various times during the month our islands were affected by a large anticyclone which seems to have preserved its identity throughout nearly the whole period. During the first few days it embraced the entire kingdom, but after the 6th it moved away to the southward. On the 12th, however, it again spread northwards, and remained over us until the 18th, when it moved away to northern Russia, where the system developed considerable intensity. After the 21st it again spread south-westwards over our islands, but after the 24th it finally receded to the eastward. On the 27th a new anticyclone extended over us from the Atlantic, but at the close of the month this was passing away to the southward.

Winds were mainly from the Southward or South-westward on our western and northern coasts, but from the Eastward in the south of England. Gales were somewhat frequent in the north of Scotland, but were very rare in all other districts; on the south and east coasts of England there were none at all.

Temperature.—*Mean at sea level* ranged from 47° and upwards on our extreme south-west coasts, to 40° and less over the eastern and central parts of England generally, and to 39° and less in Norfolk. The distribution was of a less wintry type than usual, and the actual values were in nearly all cases above the average,* the excess being small over England, but large in Ireland and Scotland. *Highest* readings were recorded on various dates, but mostly between the 8th and 12th, or on the 28th. On one or other of these days the thermometer exceeded 55° in nearly all districts, and on the 12th it reached 59° at Cullompton and Jersey. *Lowest* readings also occurred at very irregular times; at the English stations they were observed mostly on the 26th and 27th, when the thermometer fell to 15° at Stamford, to 17° at Strathfield Turgiss, and to 19° at Cambridge, Rothamsted, and Bawtry. *Range* was somewhat large over the inland parts of England, but slight elsewhere. *Vapour Tension* ranged from about 0·28 in. on our extreme south-west coasts to very little above 0·20 in. over the east of Scotland and the eastern and central parts of England. *Relative Humidity* varied from 94 per cent. at Donaghadee, Cambridge, and Dungeness, to 85 per cent. at Nairn, Valencia, Jersey, and the North Foreland, and to 81 per cent. at Aberdeen.

Rainfall amounted to considerably less than the average* in all localities excepting the north-west of Scotland and the extreme north of Ireland; over the southern parts of England the fall was, as a rule, less than one-fourth of the normal. The largest aggregates reported were 8·3 ins. at Fort William, 7·3 ins. at Glencarron, and 5·7 ins. at Laudale, the smallest being 0·2 in. at Hereford and Dungeness, and 0·3 in. at Yarmouth, Hurst Castle, Hastings, and the North Foreland. Over the eastern, central, and southern parts of England, as a whole, there were less than 10 days, and at the North Foreland only 3 days with a measurable quantity. Snow or sleet was experienced at many of the northern stations between the 25th and 29th.

Bright Sunshine was in excess of the average* in the south and east of England, but was deficient in all other districts. The proportion of the possible amount ranged from between 41 and 35 per cent. in the Scilly and Channel Islands, to 15 per cent. or less over the northern parts of the kingdom generally, and to only 7 per cent. at Glasgow.

* The averages employed are.—*Pressure* and *Temperature* for the 25 years 1871–95; *Rainfall* for the 30 years 1866–95; *Bright Sunshine* for the 15 years 1881–95.

SUMMARY OF OBSERVATIONS, FEBRUARY 1896.

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.								
				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°004	+0°232	42°2	38°7	45°3	42°0	+3°6	25	29th	50	11th
	Wick - - -	30°051	+°251	41°7	37°4	46°8	42°1	+4°2	27	29th	55	11th
	Stornoway - -	30°030	+°255	44°2	40°0	47°8	43°9	+5°1	30	26th	52	10th, 11th
1. SCOTLAND, E.	Nairn - - -	30°089	+°274	41°9	35°8	49°1	42°5	+4°6	28	19th, 21st	56	11th
	Aberdeen - -	30°161	+°308	40°6	37°3	46°6	42°0	+3°8	28	3rd	54	5th, 7th, 11th
	Leith - - -	30°192	+°319	41°7	36°8	48°8	42°8	+3°1	27	24th, 26th	56	11th
2. ENGLAND, N.E.	Shields - - -	30°250	+°342	39°8	35°9	46°5	41°2	+2°0	26	18th	57	8th
	York - - -	30°305	+°360	37°9	33°6	46°5	40°1	+1°2	24	26th	56	8th
	Spurn Head - -	30°298	+°360	38°9	35°8	43°3	39°6	+0°8	29	18th	52	11th
3. ENGLAND, E.	Yarmouth - -	30°318	+°351	38°4	34°0	43°0	38°5	+0°3	28	25th, 26th	52	9th, 12th
	Cambridge - -	30°346	+°359	36°6	31°7	46°6	39°2	+0°4	19	26th	58	19th
4. MIDLAND COUNTIES	Loughborough -	30°325	+°353	37°0	33°0	46°2	39°6	+0°5	21	26th	57	19th
	Oxford - - -	30°349	+°355	37°0	33°4	46°2	39°8	+0°2	22	26th	56	28th
5. ENGLAND, S.	London - - -	30°348	+°352	38°6	34°5	46°2	40°4	+0°3	24	26th	57	12th
	North Foreland -	30°338	+°348	40°0	35°9	44°9	40°4	+1°0	28	26th	57	12th
	Dungeness - -	30°319	+°320	39°9	35°7	44°8	40°3	+0°5	28	26th	56	28th
	Hurst Castle - -	30°342	+°346	40°5	37°4	46°1	41°8	+0°9	29	27th	55	28th
6. SCOTLAND, W.	Ardrossan - -	30°183	+°303	42°6	39°1	46°5	42°8	+2°6	31	23rd, 26th	51	12th
7. ENGLAND N.W.	Hawes Junction* -	28°999	?	34°8	30°8	41°5	36°2	?	14	19th	50	8th
	Liverpool - - -	30°291	+°348	39°7	35°6	46°1	40°9	+0°8	26	26th	57	8th
	Holyhead - - -	30°273	+°350	42°9	39°4	47°2	43°3	+1°4	30	24th	52	12th, 28th
8. ENGLAND, S.W.	Pembroke - - -	30°289	+°341	43°7	40°6	47°0	43°8	+1°6	33	23rd	51	7th, 8th
	Prawle Point - -	30°319	+°323	43°2	38°8	47°7	43°3	+1°1	28	27th	55	13th, 27th, 28th
9. IRELAND, N.	Malin Head - -	30°124	+°280	44°0	40°4	47°4	43°9	+2°0	34	19th, 23rd	51	7th, 10th, 11th
	Donaghadee - -	30°217	+°323	42°7	38°7	48°1	43°4	+2°4	30	21st	55	11th
	Belmullet - - -	30°144	+°274	46°2	42°0	49°9	46°0	+3°0	32	16th	54	22nd
10. IRELAND, S.	Parsonstown - -	30°232	+°317	42°0	37°9	49°4	43°7	+2°7	31	16th	57	11th
	Valencia(Cahiriveen)	30°213	+°296	47°5	43°1	51°8	47°5	+2°6	32	15th	55	12th, 22nd
	Roche's Point - -	30°256	+°329	46°7	43°9	50°7	47°3	+3°5	38	14th, 27th	56	28th
CHANNEL ISLANDS	Scilly - - -	30°261	+°297	47°1	43°3	51°7	47°5	+1°9	38	25th	57	10th
	Jersey - - -	30°346	+°330	40°7	36°8	47°6	42°2	-0°6	29	25th	59	12th

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

SUMMARY OF OBSERVATIONS, FEBRUARY 1896.

REPORTING STATIONS in the BRITISH ISLANDS during the Month of FEBRUARY 1896.
 Thunderstorms, and Gales are counted irrespective of the Hours at which they occurred.
 beginning in each case with the Station lying furthest North.)

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
0'237	88	9'7	ins. 3'04	ins. -0'07	ins. 0'55	20th	21	1	0	0	0	27	5	1	1	0	4	5	3	13	2	0
245	93	7'6	0'91	-1'25	0'15	20th, 21st, 27th.	13	2	0	0	0	13	7	1	0	1	1	12	0	5	8	1
257	89	8'8	4'23	+0'43	0'81	25th	17	0	2	0	0	21	8	1	0	1	0	5	11	6	2	3
222	85	8'1	0'60	-1'05	0'19	29th	14	3	1	0	0	16	0	0	0	0	2	2	5	11	1	8
205	81	8'0	0'87	-1'39	0'26	20th	10	2	0	0	0	14	9	2	0	0	4	6	9	6	2	0
234	89	8'2	0'77	-0'74	0'24	8th	8	2	0	0	0	16	0	0	1	2	3	1	5	10	0	7
222	92	8'7	0'63	-0'87	0'33	20th	4	0	0	0	0	19	0	0	1	0	3	9	10	4	0	2
205	90	7'0	0'68	-1'08	0'24	20th	8	0	0	0	5	15	0	1	0	4	3	8	5	6	2	0
217	92	8'5	0'44	-0'88	0'22	20th	6	1	0	0	1	19	0	1	0	0	7	3	8	4	3	3
200	87	5'6	0'30	-1'43	0'16	29th	6	1	0	0	5	7	1	2	3	3	3	2	2	9	4	1
203	94	7'8	0'53	-0'89	0'23	29th	7	1	0	0	4	21	0	2	0	5	4	2	9	3	4	0
200	91	7'2	0'62	-1'09	0'22	20th	7	0	0	0	3	12	1	0	1	5	8	2	6	4	2	1
202	92	6'8	0'36	-1'40	0'12	8th, 20th	5	0	0	0	7	16	0	1	5	3	3	3	8	4	2	0
207	89	7'3	0'39	-1'25	0'14	21st	9	1	0	1	6	17	0	2	4	7	2	3	7	3	1	0
209	85	7'7	0'33	?	0'28	29th	3	0	0	0	2	16	0	3	1	6	3	3	6	5	2	0
229	94	7'1	0'19	-1'62	0'08	29th	5	0	0	0	1	11	0	4	3	5	2	2	5	4	3	1
218	87	7'5	0'32	-1'78	0'18	20th	4	0	0	0	2	18	0	2	7	4	1	4	4	3	3	1
253	93	9'2	1'48	-1'45	0'45	7th	18	1	0	0	0	24	1	1	6	2	3	6	7	2	0	2
198	98	7'0	2'68	?	0'85	8th	17	1	0	0	0	17	0	0	3	5	3	2	8	6	2	0
214	88	7'8	1'02	-0'66	0'31	28th	12	0	0	0	4	17	2	0	0	3	9	6	2	5	1	3
248	90	8'5	1'60	-0'82	0'44	8th	18	1	0	0	1	20	2	1	1	2	0	11	8	1	0	5
251	88	8'7	0'86	-1'76	0'23	8th	11	0	0	0	0	22	2	0	0	1	10	1	8	5	4	0
247	88	7'3	0'39	-1'55	0'18	8th	6	0	0	0	0	8	1	2	5	5	5	3	3	4	2	0
267	93	7'3	2'19	+0'41	0'45	25th	12	0	0	0	0	11	1	1	0	1	4	14	4	4	1	0
259	94	7'8	1'23	-1'11	0'27	25th	14	0	0	0	0	13	3	0	0	0	5	5	11	4	4	0
274	89	7'6	2'23	-1'97	0'78	25th	10	0	0	0	3	16	2	1	0	0	7	7	7	7	0	0
239	90	8'4	1'55	-0'61	0'48	7th	8	0	0	0	1	21	0	0	0	1	7	0	1	2	0	18
278	85	7'8	3'78	-1'11	1'08	25th	16	0	0	0	0	14	0	1	1	5	8	8	3	3	0	0
286	90	7'4	1'89	-2'30	0'55	7th	11	0	0	0	0	14	3	2	1	0	5	7	4	5	5	0
279	86	7'9	1'04	-1'58	0'40	25th	12	1	0	0	0	9	0	1	0	7	6	7	3	1	4	0
216	85	6'7	0'37	-2'04	0'17	20th	8	0	0	0	4	12	0	2	2	7	7	1	2	2	6	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 1896.

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.									
STORNOWAY	°	°	°	°		ins.	ins.	ins.	*	38'7	-24'9	14	-11
GLENCARRON	36'4	46'7	41'6	+4'7	28	19th	53	7th	17	7'34	+0'29	2'06	11th
FORT AUGUSTUS	37'6	47'4	42'5	+4'1	27	19th	52	5th, 7th	16	4'34	+0'43	1'13	11th
FORT WILLIAM	39'0	46'8	42'9	+3'9	33	26th, 29th	52	7th	19	8'27	+0'52	2'05	11th
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*
BRAEMAR	34'3	43'3	38'8	+4'0	22	19th	50	5th	10	0'83	-2'03	0'20	20th
EDINBURGH													
OCHTERTYRE	35'5	47'4	41'5	+3'7	23	26th	54	and	12	1'31	-2'34	0'31	7th
MARCHMONT	34'6	45'3	40'0	+2'9	24	18th	51	11th, 12th	8	1'29	-1'11	0'50	20th
ALNWICK CASTLE	36'1	45'0	40'6	+2'3	26	19th	54	9th	8	0'46	-1'69	0'32	21st
DURHAM	34'0	45'7	39'9	+2'0	24	18th, 26th	55	8th, 9th	8	0'50	-1'09	0'25	20th
SCARBOROUGH	35'7	44'4	40'1	+1'0	26	3rd	54	8th	7	0'57	-1'19	0'22	20th
OSWALDKIRK													
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*
HILLINGTON	32'6	44'7	38'7	+0'3	20	26th	56	19th	10	0'73	-1'02	0'22	20th
GELDESTON	33'1	45'1	39'1	+0'2	24	25th	56	12th	8	0'43	-1'07	0'21	29th
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*
ROTHAMSTED	32'2	44'9	38'6	+0'4	19	26th	56	12th	11	0'53	-1'42	0'13	20th
BAWTRY	32'8	46'6	39'7	+0'8	19	26th	55	8th	8	0'77	-0'76	0'22	28th
WORKSOP													
STAMFORD (KETTON HALL)	32'4	45'7	39'1	+0'4	15	26th	55	28th	12	0'70	-0'96	0'18	28th
THURCASTON													
CHEADLE	33'6	45'0	39'3	+1'6	22	26th	53	8th, 9th, 11th	9	1'72	-0'60	0'53	29th
SOLIHULL	32'8	44'7	38'8	+0'1	23	25th, 26th, 27th	54	19th	10	0'68	?	0'20	20th
CHURCHSTOCKE	33'8	46'2	40'0	+1'3	24	26th	54	5th, 8th	11	0'48	-1'91	0'21	29th
HEREFORD	32'4	47'1	39'8	+0'1	24	2nd, 26th	56	10th, 12th	8	0'19	-1'78	0'08	8th
CIRENCESTER	31'9	45'6	38'8	+0'5	20	2nd	57	8th	7	0'38	-1'93	0'12	8th, 20th
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*
MARGATE													
STRATHFIELD TURGISS	31'8	47'0	39'4	+0'1	17	26th	58	28th	10	0'49	-1'40	0'19	8th
HASTINGS	35'9	46'0	41'0	+1'0	24	25th	55	28th	5	0'31	-1'71	0'18	26th
EASTBOURNE													
BRIGHTON													
WESTBOURNE (SUSSEX)													
SOUTHAMPTON	35'3	47'3	41'3	+0'4	25	25th	58	12th, 28th	6	0'37	-1'97	0'15	20th
STOWELL	33'5	45'6	39'6	-0'5	23	2nd	53	8th, 28th	8	0'52	-2'22	0'25	8th
LAUDALE	39'9	49'3	44'6	+4'7	32	26th	58	11th	19	5'70	-1'12	1'05	11th
GLASGOW	38'4	46'0	42'2	+3'2	29	26th	51	11th	15	1'94	-1'38	0'68	7th
GLENSLEE	36'5	46'1	41'3	+3'1	25	18th, 19th	51	5th, 8th, 11th, 12th, 15th.	18	3'23	-1'63	0'90	7th
DOUGLAS	39'2	46'6	42'9	+2'2	29	27th	51	11th, 12th, 29th	15	2'03	-1'29	0'44	28th
STONYHURST	35'8	44'5	40'2	+1'5	25	18th	52	8th	13	2'69	-0'74	0'78	29th
BLACKPOOL	34'9	45'5	40'2	+0'9	26	18th, 19th, 23rd, 24th.	53	7th, 8th	13	1'48	-0'76	0'31	8th
MANCHESTER (PRESTWICH).	34'4	46'0	40'2	+1'5	23	18th	54	8th	16	2'17	-0'08	0'72	29th
MANCHESTER (OLDHAM ROAD).													
LLANDUDNO	38'9	48'3	43'6	+1'9	27	18th	58	8th	13	1'06	-1'02	0'38	29th
LLANDOVERY	33'8	48'5	41'2	+0'7	25	2nd, 24th, 25th	54	8th, 19th, 21st	13	1'23	-2'65	0'52	8th
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*
BRISTOL (MONTPELIER)	34'8	47'0	40'9	+0'2	26	2nd, 24th, 27th	54	8th, 9th, 10th, 11th, 12th, 19th.	7	0'54	-1'99	0'28	8th
TENBY													
ARLINGTON	33'7	47'4	40'6	-0'2	25	2nd	55	29th	9	1'97	-1'90	0'60	8th
CULLOMPTON	33'5	47'9	40'7	-0'3	23	2nd	59	12th	9	0'51	-2'30	0'20	20th
TORQUAY													
NEWQUAY													
FALMOUTH	41'4	49'1	45'3	+1'6	33	2nd	55	8th	9	0'65	-3'19	0'22	8th
PLYMOUTH	38'8	48'0	43'4	+0'8	28	2nd	55	28th	7	0'74	-2'13	0'24	8th, 19th
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*
GUERNSEY													
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*
LONDONDERRY	40'1	49'2	44'7	+3'6	34	1st, 18th, 23rd	54	11th	13	2'88	+0'06	0'88	25th
EDENFEL (OMAGH)	38'0	47'7	42'9	+4'0	31	1st, 17th	54	11th	11	2'18	-0'26	0'63	25th
MARKREE CASTLE	38'9	49'2	44'1	+3'7	28	1st	54	5th, 11th, 29th	11	2'13	-0'63	0'78	25th
BROOKEBOROUGH													
ARMAGH	39'2	48'7	44'0	+4'1	32	23rd	56	28th	11	1'32	-0'88	0'35	25th
EDGEWORTHSTOWN	37'2	48'1	42'7	+3'2	31	15th	54	10th, 11th	9	1'93	-0'64	0'63	25th
ARLEY COTTAGE (CO. CAVAN).													
DUBLIN	40'4	49'9	45'2	+2'9	32	18th	57	8th	10	0'87	-1'13	0'32	25th
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*
KILKENNY CASTLE	37'9	50'1	44'0	+2'2	31	4th, 27th	56	10th, 11th, 28th	11	1'42	-1'17	0'55	7th
VALENCIA (CAHRCIVREN).	*	*	*	*	*	*	*	*	*	*	*	*	*
KILLARNEY	40'2	51'8	46'0	+2'6	30	13th, 14th	58	10th	16	3'08	?	1'28	7th
FOYNES	40'8	50'3	45'6	+2'7	29	13th	56	11th	10	1'44	?	0'40	7th

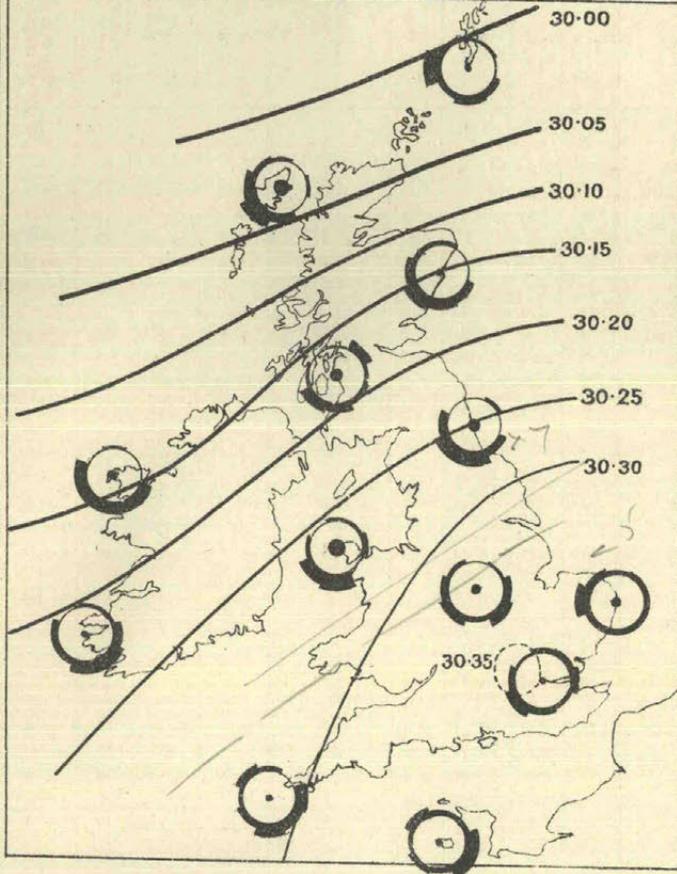
* For information, see Table III.

MONTHLY WEATHER CHART, FEBRUARY, 1896.

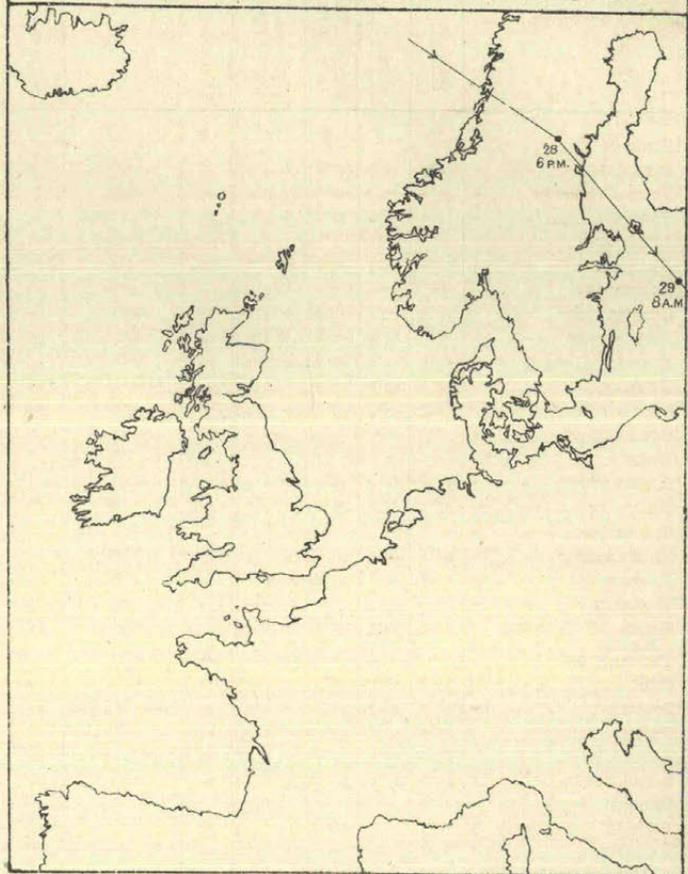
Monthly Summary.

Plate II.

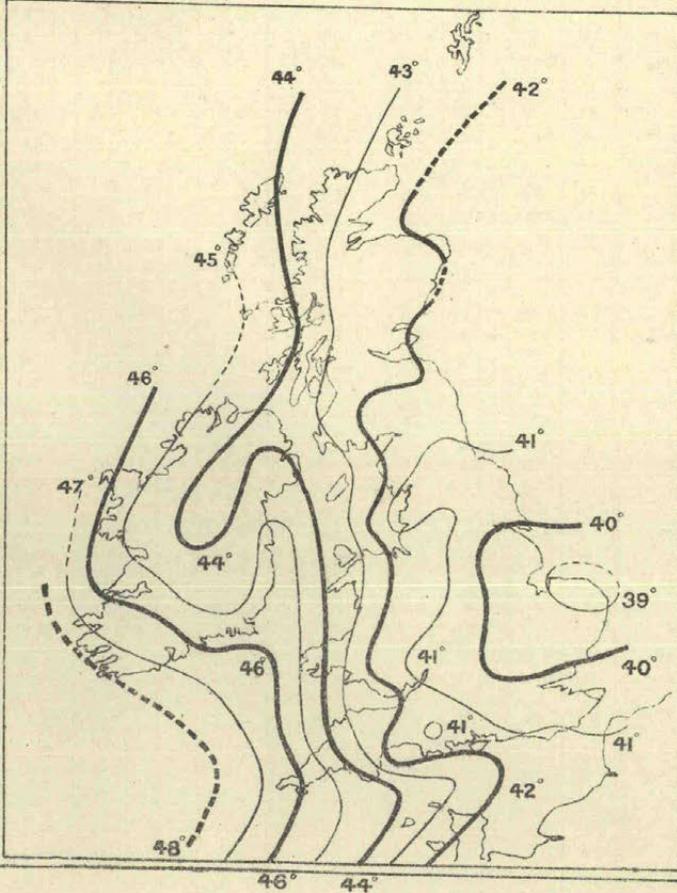
I. BAROMETER AND WIND.



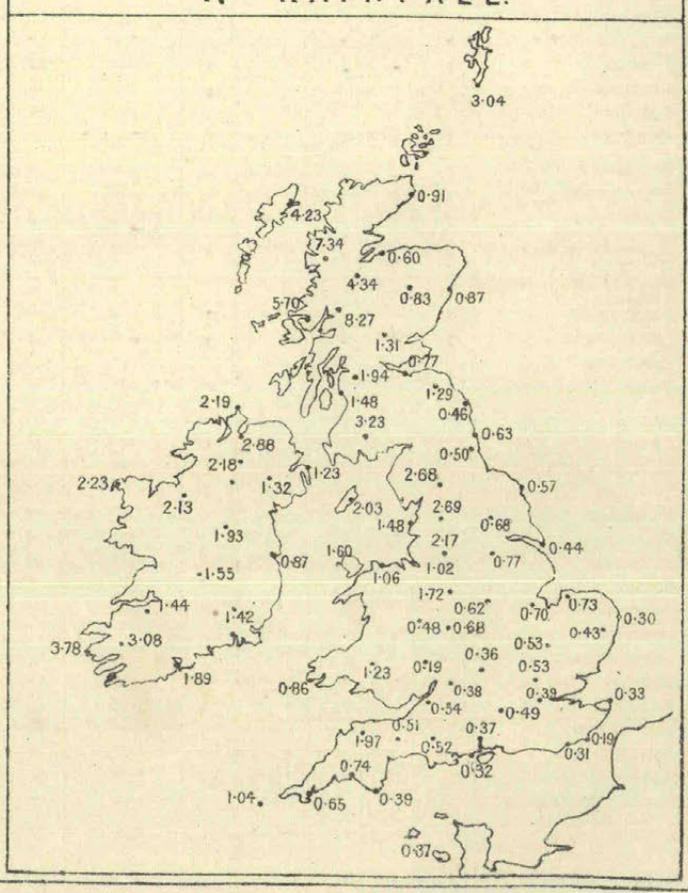
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



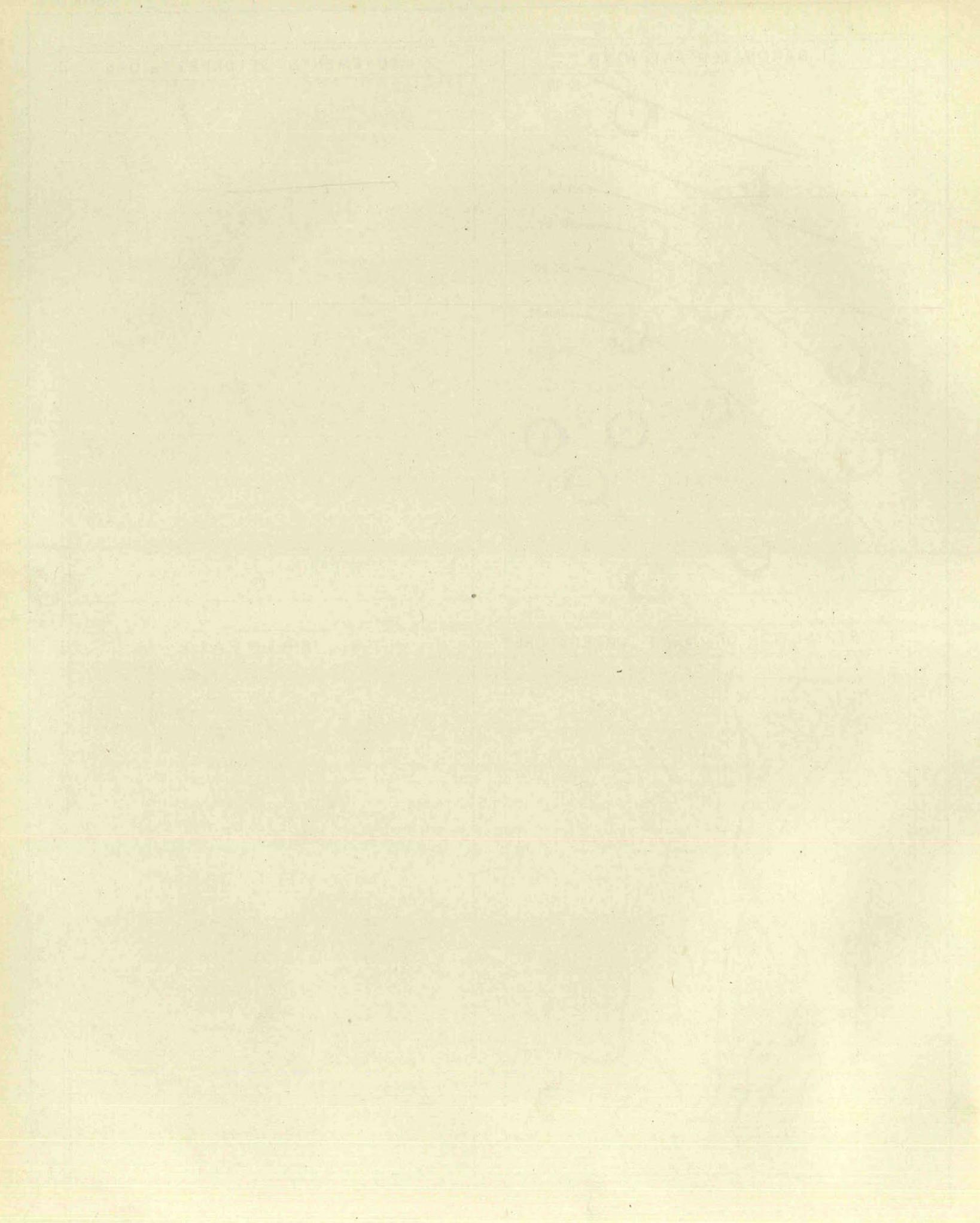
4. RAINFALL.



To face p. VIII.

OFFICE OF THE COMMISSIONER OF THE LAND OFFICE

NEW YORK, N. Y.



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

MARCH 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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 March was very unsettled, with frequent falls of rain, sleet, or snow. Thunder and lightning occurred in many parts of Ireland and England on the 3rd or 4th, and also at various times during the last ten days of the month. On the 4th a bright aurora was seen in the west and north generally. Pressure was below the average; temperature was high, especially in the south; the winds were chiefly from the Westward or South-westward; rainfall was heavy at all but the north-eastern stations, and bright sunshine, though fairly abundant in Scotland, was very deficient in most parts of England and Ireland.

Pressure.—*Mean at 8 a.m.* ranged from 29·92 ins. at Jersey, and 29·85 ins. or more over the Channel and south-west of England generally, to a little below 29·45 ins. in the Shetlands. The readings were in all cases below the average,* and as the deficit was least (0·1 in. or less) in the south of England, and greatest (about 0·3 in.) in the extreme north of Scotland, the gradient for Westerly winds was far steeper than that shown by the chart of normal values. *Highest* readings were observed on the 10th, when the barometer rose to 30·3 ins. and upwards over central and southern England, and to 30·1 ins. and upwards in all but the most northern parts of the kingdom. At some of our western and northern stations, however, the readings were equally high, or even a trifle higher, on the 30th or 31st. *Lowest* readings were recorded on the 3rd, when the barometer ranged from 28·3 ins. and less in Caithness and the Shetlands to 28·9 ins. and less in all but the extreme southern parts of the kingdom. *Range* was somewhat large for the time of year.

Depressions were very numerous, and while the centres of the main disturbances kept as a rule outside our north-western and northern coasts, their secondaries advanced more directly over the kingdom. The small depression which passed eastwards across Ireland and England on the night of the 26th was of considerable depth and moved with great rapidity, its progress being marked by strong Westerly gales on our southern coasts.

Anticyclones.—These lay as a rule well to the southward of our Islands. On the 9th, however, one of the systems extended very temporarily over us, while on the 29th and 30th a more permanent area spread in from the westward, the latter remaining in force during the first week of April.

Winds were mainly from the Westward or South-westward, with frequent gales on our western coasts. At Belmullet and Prawle Point there were 12, and at Holyhead 13 days with a wind force reaching 7 or more.

Temperature.—*Mean at sea level* ranged from 49° and upwards in the Scilly and Channel Islands to 43° and less over the northern parts of Great Britain generally and the inland parts of the north of Ireland, and to 41° and less in the north of Scotland. The general distribution agreed very closely with the normal, but the actual values were everywhere above the average,* the excess being large over England, and especially so in the extreme south, where it amounted in some cases to more than four degrees. *Highest* readings were registered mostly between the 22nd and 25th, when the thermometer rose to 55° and upwards in Ireland and Scotland, to 65° and upwards at many of the inland stations over England, and to 69° in London. *Lowest* readings occurred on various dates in the different districts. At some time in the month frost occurred at all but the coast stations in the west, south-west, and south-east, the lowest readings of all being in the north of Scotland on the 14th, when the thermometer fell to 20° at Nairn and 22° at Stornoway. *Range* was moderate. *Vapour Tension* ranged from 0·31 in. at Scilly, and 0·28 in. and upwards on our south-west coasts generally, to 0·20 in. and less in the east of Scotland. *Relative Humidity* varied from 78 per cent. at Aberdeen, 80 per cent. at Liverpool, and 83 per cent. in London, to 92 per cent. at Cambridge and 93 per cent. at Wick and Donaghadee.

Rainfall was in excess of the average* in all but the north-eastern parts of Great Britain, the difference from the normal being in most places very considerable. At several of the English stations, as well as in isolated parts of central Ireland and the south of Scotland, the total amount was more than twice as much as the average. The largest aggregates reported were 11·8 ins. at Glencarron, 9·7 ins. at Fort William, 9·2 ins. at Laudale, and 7·9 ins. at Glenlee; the smallest being 1·2 ins. at Leith, 1·6 ins. at Shields and Bawtry, and 1·8 ins. at Durham and Dungness. The number of rainy days was very large, especially in the extreme west and north; at Sumburgh Head and Valencia there were only two days without a measurable quantity, and at Markree Castle only one. Falls of an inch or more in 24 hours occurred in the north of Scotland on the 2nd, at some of our western stations on the 7th, and in the south of England on the 20th, the largest amount of all being 1·5 ins. at Arlington on the 7th. Snow or sleet occurred rather frequently in the north during the early part of the month, and also after the 26th; on the 3rd and 4th it spread southwards over the greater part of the kingdom.

Bright Sunshine was deficient over Ireland and England but was a little in excess of the average* at most of the Scotch stations. The per-centage of the possible duration ranged from 36 at Braemar, and 34 at Aberdeen and Douglas, to 18 at Manchester (Oldham Road), Arley Cottage, and Dublin, and to 17 in London.

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; and *Bright Sunshine* for the 15 years, 1881–95.

SUMMARY OF OBSERVATIONS, MARCH 1896.

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 33° 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°444	in. -0°293	40°1	35°9	44°5	40°2	+1°8	25	1st	49	22nd, 23rd, 25th, 31st.
	Wick	29°481	-°300	39°9	34°6	46°1	40°4	+1°0	24	14th	55	25th, 31st
	Stornoway	29°493	-°279	40°1	35°2	46°2	40°7	+1°1	22	14th	52	8th, 22nd
1. SCOTLAND, E.	Nairn	29°526	-°276	39°8	32°9	48°6	40°8	+1°1	20	14th	58	25th, 31st
	Aberdeen	29°573	-°248	40°7	35°7	48°3	42°0	+2°0	27	4th	58	31st
	Leith	29°617	-°232	40°9	34°7	50°5	42°6	+1°4	29	4th	57	21st, 22nd, 24th
2. ENGLAND, N.E.	Shields	29°653	-°220	40°8	36°0	49°5	42°8	+2°2	32	12th, 13th	58	24th
	York	29°711	-°193	41°3	36°0	51°2	43°6	+2°4	30	13th, 31st	66	25th
	Spurn Head	29°704	-°187	43°0	38°6	47°8	43°2	+2°5	34	14th	58	23rd
3. ENGLAND, E.	Yarmouth	29°754	-°162	43°5	38°0	48°4	43°2	+3°0	31	13th	61	25th
	Cambridge	29°793	-°148	42°7	36°8	53°1	45°0	+3°3	29	13th	67	22nd
4. MIDLAND COUNTIES	Loughborough	29°768	-°163	41°5	36°7	52°3	44°5	+2°6	26	31st	66	24th
	Oxford	29°815	-°136	43°1	38°7	52°0	45°4	+3°4	31	31st	65	24th
5. ENGLAND, S.	London	29°825	-°124	44°4	39°6	53°2	46°4	+3°7	31	15th	69	24th
	North Foreland	29°805	-°125	45°6	40°2	51°2	45°7	+4°0	34	4th, 5th, 28th	62	22nd
	Dungeness	29°811	-°125	44°5	40°1	50°8	45°5	+3°9	33	30th	59	22nd, 24th
	Hurst Castle	29°850	-°105	45°8	41°4	51°1	46°3	+4°2	31	30th	58	22nd, 24th
6. SCOTLAND, W.	Ardrossan	29°615	-°246	42°8	38°1	47°1	42°6	+1°3	31	12th	53	25th
7. ENGLAND, N.W.	Hawes Junction*	28°450	?	36°6	32°2	44°5	38°4	?	25	13th	55	25th
	Liverpool	29°739	-°172	43°5	38°9	49°4	44°2	+2°2	34	15th	56	8th, 21st, 23rd
	Holyhead	29°756	-°150	44°4	40°4	49°2	44°8	+1°7	36	10th	54	11th
8. ENGLAND, S.W.	Pembroke	29°820	-°110	45°9	42°4	48°9	45°7	+2°8	34	5th	52	22nd
	Prawle Point	29°876	-°084	46°9	42°4	50°8	46°6	+3°6	34	4th	56	24th
9. IRELAND, N.	Malin Head	29°593	-°249	43°0	38°8	47°0	42°9	+0°4	34	3rd, 4th	54	22nd
	Donaghadee	29°686	-°197	42°3	36°7	50°0	43°4	+1°1	31	19th	59	25th
	Belmullet	29°693	-°189	45°8	41°1	49°7	45°4	+1°5	35	29th	54	13th
10. IRELAND, S.	Parsonstown	29°764	-°161	43°0	37°9	51°0	44°5	+2°1	31	27th	58	24th
	Valencia (Cahireiveen)	29°827	-°102	48°0	43°1	51°8	47°5	+1°8	33	18th	56	10th
	Roche's Point	29°836	-°094	47°3	43°5	52°6	48°1	+3°5	36	4th, 19th	57	9th
CHANNEL ISLANDS	Scilly	29°880	-°066	49°5	45°5	52°9	49°2	+3°3	36	4th	57	23rd, 24th
	Jersey	29°924	-°041	48°7	44°8	53°4	49°1	+4°3	38	4th	64	22nd

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

SUMMARY OF OBSERVATIONS, MARCH 1896.

REPORTING STATIONS in the BRITISH ISLANDS during the Month of MARCH 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.			Date.	WEATHER, No. of Days of							WIND, No. of Observations of								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.		Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
			ins.	ins.	ins.																	
0'214	86	8'2	4'50	+1'75	0'62	8th	29	4	0	0	0	19	2	4	0	1	3	3	1	10	6	3
'227	93	6'8	3'29	+1'30	0'80	4th	25	5	4	0	5	16	5	2	0	0	0	8	1	9	10	1
'225	91	8'1	5'63	+1'93	0'52	27th	28	1	9	0	2	22	5	4	1	1	1	3	7	8	4	2
'205	84	5'9	1'96	+0'28	0'26	6th	24	5	0	1	3	7	1	0	0	0	0	2	7	14	1	7
'197	78	5'3	2'13	-0'10	0'33	7th	25	4	1	0	0	6	7	0	0	0	1	3	16	6	5	0
'212	84	6'4	1'22	-0'19	0'16	3rd	16	3	1	0	6	15	2	0	0	2	2	1	9	13	1	3
'223	88	7'4	1'63	-0'11	0'73	13th	17	6	3	1	2	11	3	2	0	1	0	5	14	6	1	2
'224	87	6'5	2'35	+0'69	0'43	13th	22	2	2	1	10	17	4	1	1	1	1	7	2	11	5	2
'251	90	6'6	2'03	+0'84	0'44	28th	20	2	1	0	5	14	3	2	0	0	1	7	9	4	7	1
'240	85	5'5	2'33	+0'60	0'39	18th	22	0	1	0	5	4	4	3	1	0	0	6	8	6	7	0
'252	92	7'2	2'87	+1'55	0'41	20th	21	0	0	2	8	21	0	2	1	0	1	3	14	3	5	2
'228	88	7'4	2'23	+0'69	0'30	13th	24	0	3	0	1	15	8	1	0	2	5	3	8	5	4	3
'246	88	7'3	2'55	+1'05	0'42	20th	22	0	1	0	6	18	1	3	1	0	4	3	11	3	6	0
'242	83	8'5	3'16	+1'73	0'47	7th	23	0	3	1	1	22	4	1	2	1	2	6	8	7	3	1
'259	85	6'9	2'00	?	0'27	7th	21	0	0	0	0	9	5	2	3	2	0	11	2	8	3	0
'266	90	7'0	1'77	+0'03	0'48	7th	19	0	0	1	0	9	5	4	2	1	2	3	9	7	3	0
'267	87	7'3	3'13	+1'35	0'70	20th	23	0	3	0	1	17	3	3	4	1	1	3	7	9	3	0
'249	91	6'1	3'90	+1'60	0'53	7th	22	1	3	0	8	16	9	0	2	1	3	5	6	6	6	2
'211	98	7'6	7'23	?	0'88	2nd	24	6	1	1	0	17	0	4	0	3	4	3	7	6	4	0
'225	80	7'4	3'18	+1'51	0'55	25th	24	0	1	1	4	18	10	1	0	1	4	4	4	12	3	2
'256	88	7'8	3'36	+1'16	0'76	7th	24	0	2	1	0	13	13	1	2	0	1	6	8	8	3	2
'275	90	7'4	2'38	+0'12	0'37	7th	25	0	2	0	3	18	11	1	2	1	2	3	4	6	11	1
'283	89	7'2	3'82	+1'94	0'56	17th	25	0	2	0	0	11	12	4	1	2	1	4	6	8	5	0
'249	90	7'7	4'69	?	0'76	7th	25	2	5	1	1	17	5	1	1	0	3	9	8	7	2	0
'250	93	6'4	2'18	+0'21	0'33	7th	27	0	1	0	1	11	8	0	0	2	1	0	12	14	2	0
'257	84	7'7	6'46	+2'66	0'73	7th	28	1	1	1	1	15	12	1	0	1	1	3	9	8	8	0
'242	87	7'4	4'65	+2'45	0'74	7th	25	1	3	0	4	17	0	1	0	1	1	0	5	9	0	14
'278	84	8'6	6'81	+2'94	0'95	6th	29	0	4	0	1	21	11	2	0	2	3	3	10	6	4	1
'283	88	7'1	2'60	-0'78	0'45	19th	20	2	0	1	0	11	8	3	1	0	0	4	4	12	7	0
'306	87	7'8	2'38	+0'10	0'51	3rd	26	0	1	1	0	10	11	3	1	1	1	5	6	7	7	0
'288	84	7'8	2'88	+0'64	0'62	3rd	24	0	3	2	0	16	7	2	4	1	3	2	6	8	5	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 1896.

STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	*	*	*	*	ins.	ins.	ins.	*	112.5	+ 9.2	31	+ 2	
GLENCARRON	33.4	44.9	39.2	+ 1.0	25	14th	54	25th	28	11.79	+ 5.28	1.15	23rd	—	—	—	
FORT AUGUSTUS	34.7	47.6	41.2	+ 1.6	25	14th	57	25th	25	6.01	+ 2.92	1.06	2nd	77.2	- 0.2	21	0
FORT WILLIAM	36.6	46.6	41.6	+ 1.1	27	14th	53	8th	26	9.69	+ 3.81	1.27	2nd	84.8	- 13.2	23	- 4
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	124.3	+ 0.3	34	0
BRAEMAR	32.1	43.8	38.0	+ 1.6	23	30th	54	25th	20	2.33	- 0.03	0.32	19th	130.2	+ 13.6	36	+ 4
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	109.5	+ 11.9	30	+ 3
OCHTERTYRE	33.5	50.1	41.8	+ 1.8	25	12th	57	21st, 25th, 30th	22	3.24	+ 0.55	0.82	15th	—	—	—	—
MARCHMONT	33.8	47.8	40.8	+ 1.7	29	3rd, 11th, 12th	56	25th	17	1.90	- 0.55	0.50	21st	118.5	+ 14.0	33	+ 4
ALNWICK CASTLE	36.4	47.3	41.9	+ 1.9	20	13th	55	26th	15	2.52	+ 0.23	0.47	26th	—	—	—	—
DURHAM	34.9	50.2	42.6	+ 2.5	28	13th	65	25th	19	1.84	- 0.20	0.62	13th	111.5	- 5.1	31	- 1
SCARBOROUGH	37.1	49.7	43.4	+ 2.4	31	31st	61	24th, 25th	15	2.42	+ 0.63	0.50	13th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	113.3	- 4.2	31	- 1
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	96.0	- 13.1	26	- 4
HILLINGTON	37.1	51.1	44.1	+ 2.7	26	13th	62	24th, 25th	26	3.48	+ 1.89	0.52	20th	107.4	- 8.5	30	- 2
GELDESTON	37.0	52.0	44.5	+ 3.0	28	13th	65	22nd	24	3.16	+ 1.65	0.45	19th	110.6	- 21.3	30	- 6
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	103.0	- 24.4	28	- 7
ROTHAMSTED	37.6	51.2	44.4	+ 3.4	28	15th	63	24th	24	3.50	+ 1.83	0.68	20th	79.9	- 44.3	22	- 12
BAWTRY	36.0	51.5	43.8	+ 2.5	26	31st	67	25th	16	1.55	- 0.02	0.33	13th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	- 7.4	27	- 2
STAMFORD (KETTON HALL).	37.2	52.8	45.0	+ 3.5	29	13th, 19th	63	24th	25	2.08	+ 0.70	0.27	2nd	—	—	—	—
THURCARTON	—	—	—	—	—	—	—	—	—	—	—	—	—	97.5	- 3.0	27	- 1
CHEADLE	36.0	48.7	42.4	+ 2.3	30	15th, 19th, 31st	58	24th, 25th	26	3.94	+ 1.76	0.53	13th	—	—	—	—
SOLIHULL	36.9	50.4	43.7	+ 2.7	28	19th	63	24th	25	2.52	?	0.41	7th	—	—	—	—
CHURCHSTOKE	36.4	50.8	43.6	+ 3.1	27	19th, 31st	60	24th	26	3.37	+ 1.46	0.43	7th	106.6	- 10.5	29	- 3
HEREFORD	37.9	52.6	45.3	+ 3.1	27	19th	63	24th	21	2.10	+ 0.47	0.33	20th	—	—	—	—
CIRENCESTER	36.9	51.0	44.0	+ 3.4	27	15th	64	24th	23	2.43	+ 0.43	0.32	7th	98.5	- 20.2	27	- 6
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	90.7	- 29.0	25	- 8
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	63.2	- 25.2	17	- 7
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	107.8	- 17.5	30	- 4
HASTINGS	41.5	51.7	46.6	+ 4.5	35	4th, 5th, 13th, 29th, 30th, 31st	64	24th	18	2.32	+ 0.41	0.38	7th	113.2	- 30.0	31	- 8
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	106.3	- 35.3	29	- 10
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	104.1	- 29.7	29	- 8
WESTBOURNE (SUSSEX).	—	—	—	—	—	—	—	—	—	—	—	—	—	118.5	- 28.4	33	- 7
SOUTHAMPTON	41.2	53.8	47.5	+ 4.2	32	15th, 19th, 30th, 31st.	63	22nd	21	3.55	+ 1.60	1.04	20th	107.0	- 28.0	29	- 8
STOWELL	39.0	51.1	45.1	+ 3.1	29	15th	64	24th	28	3.85	+ 1.69	0.61	17th	—	—	—	—
LAUDALE	37.2	48.8	43.0	+ 1.5	28	14th	55	25th	26	9.15	+ 2.98	1.35	15th	—	—	—	—
GLASGOW	36.6	46.9	41.8	+ 1.5	28	4th	52	8th, 24th, 31st	21	3.89	+ 1.49	0.66	7th	93.7	+ 5.2	26	+ 2
GLENLEE	34.3	48.7	41.5	+ 1.4	25	30th	56	25th	25	7.85	+ 4.03	0.93	2nd, 19th	—	—	—	—
DOUGLAS	38.0	48.9	43.5	+ 1.9	31	19th	54	8th, 25th	22	3.52	+ 0.80	0.53	7th	125.2	- 8.3	34	- 3
STONYHURST	36.7	47.2	42.0	+ 1.5	31	10th	54	25th	27	7.07	+ 3.77	1.12	7th	96.0	- 10.4	26	- 3
BLACKPOOL	37.0	48.8	42.9	+ 1.8	29	10th	57	21st	24	3.58	+ 1.45	0.47	7th	101.2	- 1.6	28	0
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	73.2	?	20	?
MANCHESTER (PRESTWICH).	36.2	49.2	42.7	+ 1.7	29	19th	57	23rd	26	5.09	+ 2.70	0.83	7th	70.7	?	19	?
„ (OLDHAM RD.)	—	—	—	—	—	—	—	—	—	—	—	—	—	64.2	?	18	?
LLANDUDNO	40.1	50.0	45.1	+ 2.0	33	15th	56	17th	23	4.11	+ 2.17	0.83	7th	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	116.7	?	32	?
LLANDOVEERY	37.3	52.3	44.8	+ 2.7	26	19th, 30th	64	24th	28	5.40	+ 1.89	0.81	7th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	89.0	- 50.9	24	- 14
BRISTOL (MONTPELIER)	—	—	—	—	—	—	—	—	—	—	—	—	—	106.2	- 44.2	29	- 12
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ARLINGTON	38.6	50.2	44.4	+ 3.5	28	19th	59	24th	25	7.28	+ 3.84	1.50	7th	—	—	—	—
CULLOMPTON	40.4	52.7	46.6	+ 2.8	29	19th, 31st	61	23rd	23	3.97	+ 1.64	0.72	20th	106.4	- 22.8	29	- 6
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	117.6	- 27.4	32	- 8
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	101.9	- 39.8	28	- 11
PALMOUTH	43.5	52.4	48.0	+ 3.7	36	3rd	56	11th, 24th	23	3.21	0.00	0.64	2nd	116.1	- 26.1	32	- 7
PLYMOUTH	43.2	52.2	47.7	+ 3.6	34	19th	56	22nd, 24th, 25th	24	3.87	+ 1.41	1.07	20th	109.5	- 29.6	30	- 8
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	117.8	?	32	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	121.2	- 35.2	33	- 10
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	121.9	- 38.3	33	- 11
LONDONDERRY	37.8	49.6	43.7	+ 1.1	32	4th	57	8th, 22nd	27	5.08	+ 2.34	0.65	7th	—	—	—	—
EDENFEL (OMAGH)	35.4	48.4	41.9	+ 1.3	28	19th	54	8th, 22nd	26	4.36	+ 1.99	0.66	7th	—	—	—	—
MARKREE CASTLE	37.7	50.3	44.0	+ 2.0	29	19th	56	8th, 22nd	30	5.41	+ 2.69	0.55	26th	78.8	- 26.5	22	- 7
ARMAGH	36.8	49.6	43.2	+ 1.9	31	14th	56	8th	25	2.91	+ 0.87	0.41	2nd	86.7	- 17.0	24	- 4
EDGEWORTHSTOWN	35.9	49.8	42.9	+ 1.9	28	27th	54	8th, 11th, 22nd, 24th.	24	4.69	+ 2.12	0.55	26th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	65.8	- 37.9	18	- 10
DUBLIN	40.1	52.1	46.1	+ 2.6	34	27th	59	24th	23	3.31	+ 1.34	0.50	17th	102.5	- 24.4	28	- 7
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	78.8	- 35.9	22	- 10
KILKENNY CASTLE	39.2	51.6	45.4	+ 2.0	30	18th	57	8th, 11th, 13th, 25th.	24	3.80	+ 1.71	0.45	3rd	—	—	—	—
VALENCIA (CAHIR-CIVEEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	75.6	- 59.7	21	- 16
KILLARNEY	41.9	52.6	47.3	+ 2.4	30	19th	60	7th	28	6.54	?	0.63	2nd	—	—	—	—
FOYNES	42.3	†	†	†	35	3rd, 18th	†	†	25	5.93	?	0.66	6th	—	—	—	—

* For information, see Table V.

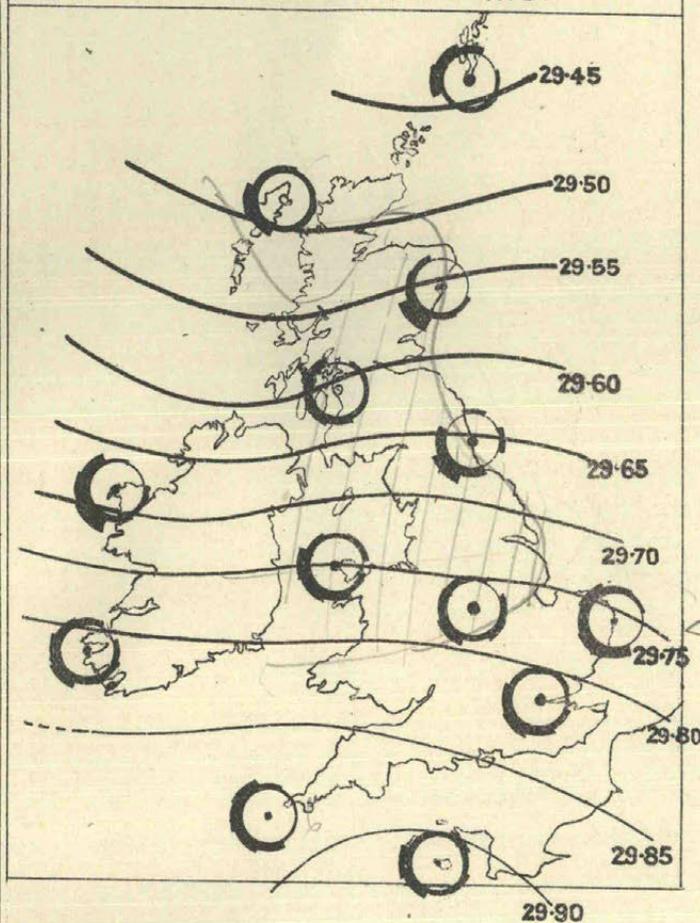
† Observations incomplete.

MONTHLY WEATHER CHART MARCH 1896.

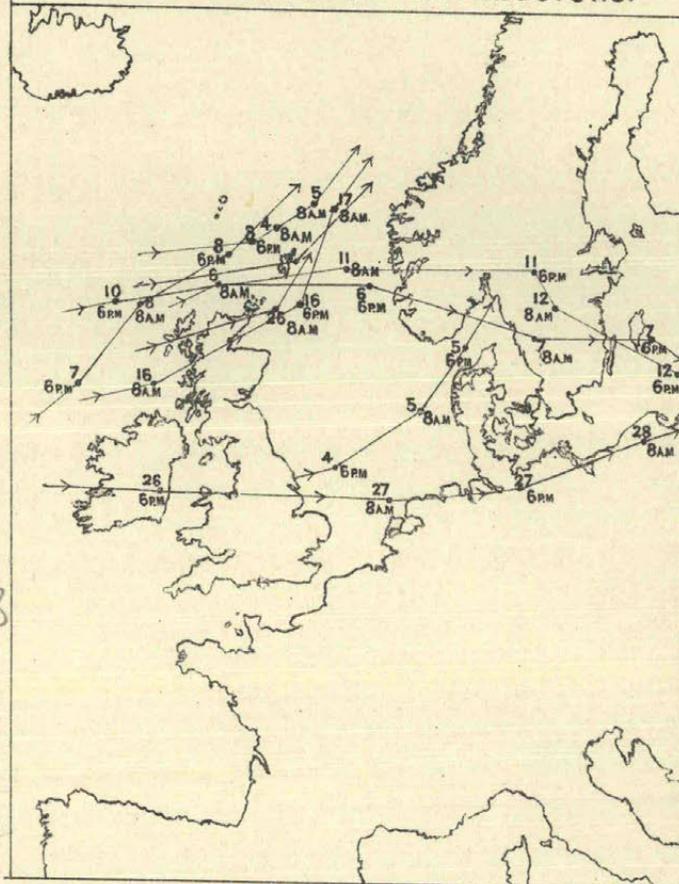
Monthly Summary.

Plate III.

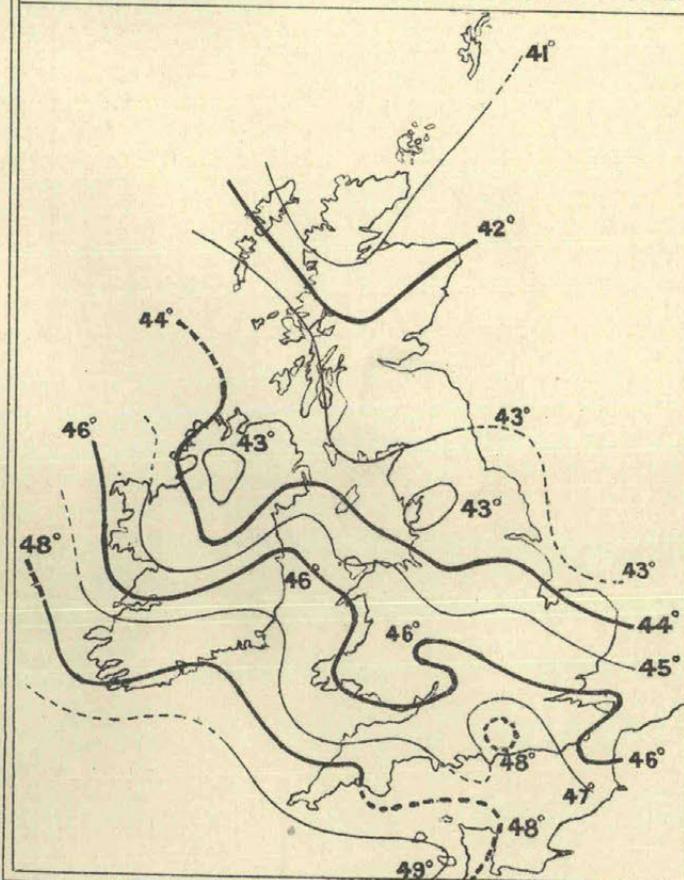
I. BAROMETER AND WIND.



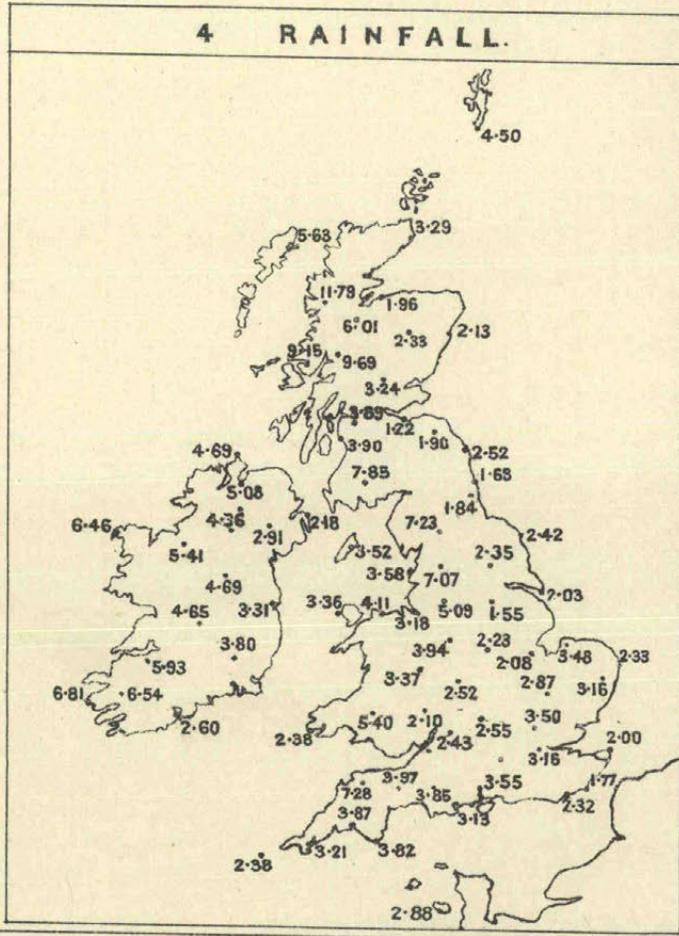
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.



To face p. xii.

CHAPTER I

THE EARLY PERIOD

The early period of the history of the United States is characterized by the discovery of the continent by Christopher Columbus in 1492. This event marked the beginning of European exploration and settlement in North America. The first permanent English colony was established at Jamestown in 1607. The Pilgrims arrived at Plymouth in 1620, and the Mayflower Compact was signed, which is considered one of the first documents of self-government in America.

The early years of the colonies were marked by a struggle for independence from British rule. The American Revolution began in 1775 with the battles of Lexington and Concord. The Declaration of Independence was adopted on July 4, 1776, and the Continental Congress fled to Lancaster and York in Pennsylvania before moving to Philadelphia. The Battle of the Clouds was fought on September 26, 1777, and the British evacuated Lancaster and York on September 26, 1777.

The American Revolution was a war for independence from Great Britain. The Continental Army, led by General George Washington, fought the Battle of the Clouds on September 26, 1777. The British evacuated Lancaster and York on September 26, 1777. The Continental Army followed them and fought the Battle of Red Bank on September 26, 1777. The British evacuated Lancaster and York on September 26, 1777.

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

APRIL 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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.—During the earlier half of the month the weather was changeable and showery, with thunder and lightning in various places, and with hail, snow, or sleet showers at many of the northern and eastern stations between the 10th and 13th. Later on the conditions became fair and dry, and in some parts of central and southern England no rain fell after the 17th. Thunderstorms were, however, experienced in Lancashire on the 28th, and in the eastern and southern parts of Great Britain on the 29th or 30th. Pressure was above the average, excepting in the extreme north; temperature was high, especially in the north-east; the winds were mostly from the Westward; rainfall was considerably less than the normal in all but the extreme northern and north-western districts; bright sunshine was fairly abundant in the western and northern parts of Great Britain, but rather deficient elsewhere.

Pressure.—*Mean at 8 a.m.* ranged from 30·25 ins. and upwards on our extreme south-west coasts to a little below 29·9 ins. in the Shetlands, the values being above the average* at all but the extreme northern stations, and especially so in the south-west, where the excess amounted to nearly four-tenths of an inch. *Highest* readings were recorded between the 19th and 21st, when the barometer rose to 30·5 ins. and upwards at many of our southern stations, and to 30·4 ins. and upwards in nearly all other parts of the kingdom. *Lowest* readings occurred on the 28th or 29th, when the mercury fell to between 29·3 ins. and 29·5 ins. in Scotland, and to 29·8 ins. or less over the southern portions of our islands. *Range* was moderate.

Depressions.—The Atlantic depressions passed as a rule well to the northward of our islands, and travelled across the northern parts of Scandinavia. In one or two instances, however, the centre of the system advanced sufficiently near the Scotch coasts for its track to be shown on Map, 2 Pl. IV. No serious disturbance was observed at any time.

Anticyclones.—During the first week a large anticyclone extended from the Atlantic over the greater part of Western Europe. After the 5th, however, the system began to move southwards, and by the 9th its influence had disappeared from all but our southern coasts. After a very temporary extension on the 13th, the anticyclone again spread northwards on the 18th and steadily increased in size until it embraced nearly the whole of Europe. On the 21st the system began to move westwards, while on the 23rd it pursued a southerly course, and finally passed away from our neighbourhood on or about the 25th.

Winds were chiefly from the Westward. On our southern coasts scarcely any gales were reported, but in the west there were two or three, while at Wick and Aberdeen there were as many as five.

Temperature.—*Mean at Sea Level* ranged from between 50° and 51° over the south-western and extreme southern parts of the United Kingdom and also over the St. George's Channel, to 45° and less in the Shetlands. The distribution in the intervening regions was somewhat irregular, an area of cold (46° and less) being situated over the east coasts of England, and an area of relative warmth (49° and upwards) over the south-east of Scotland. Compared with the average* for the years 1871–90 the values showed an excess in all places, the departure from the normal being greatest (three and a half to four and a half degrees) in the east of Scotland and the north-east of England. *Highest* readings were recorded as a rule at various times between the 20th and 27th, when the thermometer rose to 65° and upwards in nearly all districts, and to 69° at Ochtertyre, Geldeston, Stamford, and Londonderry. *Lowest* readings were observed at somewhat irregular times in the various districts, but mostly between the 1st and 3rd in England and Ireland, and on the 15th in Scotland. On one or other of these dates frost was experienced at nearly all the inland stations, the lowest readings of all being 24° at Nairn, 25° at Llandoverly, and 26° at Fort Augustus and Glenlee. *Range* was moderate for the time of year. *Vapour Tension* ranged from 0·30 in. or a little more over the south-west of England and the greater part of Ireland, to 0·24 in. and less in the east of Scotland. *Relative Humidity* varied from a little above 90 per cent. on our extreme north and north-west coasts, and a trifle above 85 per cent. in the south-west of England, to 78 per cent. in London and to only 70 per cent. at Aberdeen.

Rainfall exceeded the average* in the north of Ireland and the west and north of Scotland. In all other districts, however, there was a large deficiency, the amount being less than half the normal in many places and less than one-fourth of the normal at several of our southern stations. The largest aggregates for the month were 8·7 ins. at Glencarron, 3·7 ins. at Sumburgh Head and Laudale, and 3·6 ins. at Fort William; the smallest being 0·3 in. at Roche's Point, Plymouth, and Prawle Point, and 0·4 in. at Kilkenny and Dungeness. On our extreme north and north-west coasts the number of rainy days varied from 20 to 25, but at some of our southern stations there were less than 10 such occasions, and at Roche's Point only 4. Snow or sleet was experienced over the northern and eastern parts of Great Britain between the 10th and 13th.

Bright Sunshine was fairly abundant in the western and northern parts of Great Britain as a whole, though rather deficient in the north of Scotland. In all other places the amount was less than the average. The per-centage of the possible duration ranged from 48 at Falmouth, and 40 and upwards on our south-west coasts generally, to 22 at Fort William and 21 at Fort Augustus.

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; and *Bright Sunshine* for the 15 years, 1881–95.

TABLE VII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPH IC
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. 29'863	+0'004	44'1	39'7	48'4	44'1	+2'5	30	1st	54	20th
	Wick	29'930	+0'064	46'2	38'8	51'9	45'4	+2'3	30	15th	63	20th
	Stornoway	29'958	+0'113	45'7	40'2	50'6	45'4	+2'2	33	11th, 13th, 14th	59	19th
1. SCOTLAND, E.	Nairn	29'978	+0'110	46'4	39'1	54'4	46'8	+2'6	24	15th	62	20th, 25th, 26th
	Aberdeen	30'001	+0'116	48'2	40'1	54'6	47'4	+3'6	31	24th	64	8th
	Leith	30'044	+0'157	48'2	41'7	57'7	49'7	+4'6	35	2nd	67	21st
2. ENGLAND, N.E.	Shields	30'061	+0'170	47'5	41'0	54'5	47'8	+4'0	31	15th	64	24th, 25th
	York	30'106	+0'205	47'0	40'0	56'8	48'4	+2'6	30	2nd	66	25th
	Spurn Head	30'092	+0'205	47'2	42'3	51'9	47'1	+2'7	36	2nd	61	27th
3. ENGLAND, E.	Yarmouth	30'103	+0'209	47'1	40'4	52'0	46'2	+1'6	35	3rd, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th	68	27th
	Cambridge	30'156	+0'252	47'0	38'4	57'4	47'9	+1'0	30	21st, 24th	67	22nd, 27th
4. MIDLAND COUNTIES	Loughborough	30'147	+0'242	46'8	39'8	57'4	48'6	+1'9	28	2nd	66	22nd, 27th
	Oxford	30'179	+0'272	47'1	41'2	57'3	49'3	+2'3	33	2nd	65	19th, 22nd
5. ENGLAND, S.	London	30'175	+0'274	47'8	41'1	57'6	49'4	+1'2	33	24th	68	27th
	North Foreland	30'154	+0'264	48'0	42'0	54'1	48'1	+3'5	37	1st, 2nd, 16th	66	27th
	Dungeness	30'140	+0'256	47'5	40'5	53'8	47'2	+0'8	30	3rd	61	17th
	Hurst Castle	30'193	+0'300	49'0	44'5	56'6	50'6	+3'6	35	2nd	63	26th
6. SCOTLAND, W.	Ardrossan	30'063	+0'184	47'6	42'7	52'4	47'6	+2'0	33	15th	60	23rd
7. ENGLAND, N.W.	Hawes Junction*	28'851	?	41'3	36'4	49'3	42'9	?	27	2nd, 15th	55	18th, 20th, 21st, 24th, 24th
	Liverpool	30'145	+0'253	48'2	43'8	53'7	48'8	+2'1	38	2nd	65	24th
	Holyhead	30'172	+0'292	48'7	44'3	53'4	48'9	+2'0	40	13th	58	22nd
8. ENGLAND, S.W.	Pembroke	30'211	+0'336	48'7	45'2	51'9	48'6	+2'2	39	2nd	59	20th
	Prawle Point	30'222	+0'332	50'3	43'6	55'6	49'6	+2'9	38	2nd	64	5th
9. IRELAND, N.	Malin Head	30'076	+0'221	47'2	44'1	50'8	47'5	+1'6	34	13th	56	18th, 21st
	Donaghadee	30'127	+0'244	48'8	41'9	55'8	48'9	+3'1	32	1st	63	21st
	Belmullet	30'162	+0'299	50'0	45'6	55'5	49'6	+2'1	40	12th	62	21st
10. IRELAND, S.	Parsonstown	30'204	+0'321	48'4	42'3	56'2	49'3	+2'7	35	30th	66	20th
	Valencia	30'258	+0'387	50'6	45'2	54'7	50'0	+1'3	36	24th	62	21st, 23rd
	Roche's Point	30'252	+0'379	50'3	44'9	56'3	50'6	+2'5	40	15th, 22nd, 24th	64	26th
CHANNEL ISLANDS	Scilly	30'246	+0'374	51'2	47'3	54'6	51'0	+2'4	44	2nd, 3rd, 13th	60	24th
	Jersey	30'237	+0'344	51'5	45'5	56'1	50'8	+1'5	36	16th	62	23rd

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

REPORTING STATIONS in the BRITISH ISLANDS during the Month of APRIL 1896.

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

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

STATION	TESSION 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.
0249	85	8'0	3'73	+1'78	0'44	10th, 26th	23	3	1	1	0	17	0	8	0	0	1	2	4	11	3	1
285	92	8'1	2'02	+0'39	0'40	29th	23	3	2	0	3	19	5	5	0	0	0	4	2	4	15	0
281	92	7'6	3'36	+0'87	0'43	9th	21	1	5	0	0	17	2	6	2	0	1	2	3	10	5	1
254	81	5'6	1'31	+0'10	0'26	10th	18	3	0	0	2	4	0	1	0	0	0	2	4	16	3	4
236	70	6'0	1'37	-0'59	0'22	28th	19	3	5	0	0	6	5	3	0	0	2	3	7	7	8	0
259	77	6'9	0'98	-0'48	0'21	15th	11	0	3	1	4	14	1	1	1	1	1	0	9	16	1	0
262	80	7'2	0'46	-1'19	0'09	28th	10	0	2	0	2	11	0	2	1	0	0	1	4	17	5	0
255	80	6'2	0'86	-0'82	0'19	10th	15	0	0	1	8	12	0	3	0	1	2	1	2	15	6	0
286	89	7'3	0'68	-0'67	0'21	4th	11	1	1	2	2	11	0	5	0	0	0	1	4	12	8	0
259	80	4'9	1'36	-0'27	0'46	12th	15	2	2	0	9	2	0	4	2	1	1	2	1	9	10	0
271	85	6'8	0'74	-0'82	0'16	4th	13	1	1	0	8	20	0	4	0	0	1	1	7	6	10	1
268	84	7'1	0'79	-0'92	0'19	10th	12	0	2	2	2	11	3	1	1	0	2	1	3	14	7	1
265	82	6'9	0'58	-1'08	0'16	16th	9	0	1	0	6	16	1	2	2	1	0	3	6	8	7	1
257	78	6'0	0'62	-1'08	0'12	4th	13	0	1	0	8	10	0	3	2	0	1	0	8	9	6	1
281	85	6'9	0'86	?	0'20	30th	13	0	0	1	0	9	0	6	1	2	2	0	2	14	3	0
281	87	6'9	0'38	-1'23	0'09	16th	10	0	0	1	0	9	0	6	3	1	0	0	6	6	8	0
285	82	7'1	0'66	-1'06	0'17	13th, 30th	11	0	1	0	2	14	0	4	3	2	0	1	8	4	6	2
303	93	6'4	1'73	-0'30	0'26	15th, 16th	16	0	4	0	3	13	3	0	3	1	0	2	6	10	6	2
245	95	8'0	2'66	?	0'45	27th	19	0	0	0	2	21	0	4	1	2	5	4	3	6	5	0
263	79	5'8	1'14	-0'40	0'23	27th	14	0	1	0	10	12	3	1	0	1	2	1	1	16	6	2
286	83	7'2	0'94	-0'92	0'21	16th	13	0	0	0	0	13	2	4	1	0	0	2	6	10	5	2
294	86	6'3	0'79	-1'10	0'34	13th	12	0	0	0	6	14	1	4	5	0	2	1	0	5	13	0
314	86	6'7	0'29	-1'65	0'10	10th	6	0	0	0	0	7	3	4	1	2	0	0	5	9	9	0
300	93	7'4	2'43	?	0'30	15th, 26th	19	0	1	0	0	12	3	4	0	0	0	4	5	13	4	0
302	88	6'0	1'16	-0'70	0'30	15th	17	0	2	0	0	5	2	2	0	0	1	0	5	13	9	0
307	85	7'4	1'86	-0'62	0'34	16th	15	2	1	0	3	16	2	3	0	1	0	2	11	6	7	0
281	83	6'8	0'95	-1'09	0'18	13th, 16th	13	0	1	0	3	16	0	1	0	0	0	1	2	8	3	15
303	82	7'7	1'48	-2'19	0'33	11th	22	0	0	0	3	18	0	2	1	1	2	2	9	5	6	2
301	83	6'1	0'27	-2'79	0'15	9th	4	0	0	0	0	7	2	4	0	1	1	0	2	11	11	0
315	84	6'9	0'46	-1'69	0'20	9th	9	0	0	0	1	7	3	6	2	2	0	0	2	6	12	0
300	79	6'9	0'77	-1'24	0'17	29th	14	0	2	1	3	14	1	2	4	2	1	0	3	9	9	0

Barometer at this station is not reduced for altitude.

TABLE VIII.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of APRIL 1896.

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.	*	128°8	-30°2	36	%	°
GLENCARRON	38°5	49°4	44°0	+1°0	28	15th	60	25th	25	8°72	+4°62	1°25	7th	—	—	—	—
FORT AUGUSTUS	40°1	53°2	46°7	+2°0	26	15th	64	24th	20	2°26	+0°33	0°46	27th	87°5	-28°3	21	-6
FORT WILLIAM	41°9	51°5	46°7	+1°6	30	15th	60	23rd	24	3°63	+0°24	0°48	15th	93°2	-50°4	22	-12
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	164°7	+10°7	39	+3
BRAEMAR	37°5	51°0	44°3	+3°5	27	15th	63	24th	15	1°07	-1°09	0°25	29th	152°2	+16°2	36	+4
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	145°4	+22°3	35	+6
OCHTERTYRE	39°5	56°9	48°2	+3°5	30	1st	69	24th	13	1°2	-0°98	0°43	10th	—	—	—	—
MARCHMONT	39°6	54°7	47°2	+4°1	31	1st	65	21st, 24th	12	1°04	-1°20	0°23	15th	168°0	+26°9	40	+6
ALNWICK CASTLE	41°3	53°2	47°3	+4°3	31	15th	62	21st	14	0°94	-1°13	0°18	29th	—	—	—	—
DURHAM	38°9	56°2	47°6	+3°6	29	15th	67	24th, 25th	15	0°81	-1°15	0°16	10th, 28th	153°8	+30°4	37	+8
SCARBOROUGH	41°0	49°7	45°4	+0°7	35	3rd, 12th, 17th	63	25th	11	0°68	-1°15	0°25	4th	—	—	—	—
OSWALDKIRK	*	*	*	*	*	*	*	*	*	*	*	*	*	160°5	+22°5	38	+5
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	148°3	+8°9	35	+2
HILLINGTON	38°3	55°4	46°9	+0°8	31	15th, 21st	67	27th	15	1°44	-0°23	0°29	4th	159°3	+4°5	38	+1
GELDESTON	38°1	55°7	46°9	+1°2	28	21st	69	27th	13	1°05	-0°44	0°37	12th	156°0	-10°0	38	-2
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	164°3	+6°6	40	+2
ROTHAMSTED	39°4	55°8	47°6	+1°8	30	24th	66	27th	13	0°85	-1°11	0°19	10th	146°9	-2°0	36	0
BAWTRY	39°5	56°7	48°1	+1°9	29	2nd	64	22nd, 24th, 25th	12	0°70	-0°94	0°12	10th, 14th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	133°8	+3°8	32	+1
STAMFORD (KETTON HALL).	37°6	58°0	47°8	+1°2	28	21st, 24th	69	22nd	14	0°67	-1°09	0°11	28th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	147°6	+14°1	36	+4
CHEADLE	39°8	53°8	46°8	+1°9	33	2nd, 13th	62	24th	14	1°35	-0°68	0°36	10th	—	—	—	—
SHIRLEY (near SOLIHULL).	39°4	54°7	47°1	+1°4	31	2nd, 21st	63	19th, 27th	15	1°25	?	0°22	15th	—	—	—	—
CHURCHSTOKE	39°5	55°8	47°7	+3°1	29	2nd	66	22nd, 24th	16	0°96	-0°84	0°14	28th	159°6	+13°0	38	+3
HEREFORD	40°7	58°2	49°5	+2°9	30	2nd	67	19th, 22nd, 24th	15	0°70	-1°00	0°14	14th	—	—	—	—
CIRENCESTER	39°4	56°2	47°8	+2°3	30	2nd, 22nd	64	19th	10	0°81	-1°19	0°22	13th	150°9	-4°3	37	-1
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	140°0	-12°1	34	-3
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	113°3	-16°4	28	-3
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	131°3	-22°0	32	-5
HASTINGS	41°9	54°4	48°2	+1°2	35	3rd	60	7th, 8th	11	0°76	-1°11	0°14	30th	124°3	-51°7	30	-13
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	140°7	-33°8	34	-8
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	140°9	-37°2	34	-9
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	144°2	-40°9	35	-10
SOUTHAMPTON	42°7	59°6	51°2	+2°9	34	2nd	67	22nd, 26th	9	0°54	-1°44	0°22	13th	135°6	-35°9	33	-9
STOWELL	40°9	55°4	48°2	+1°4	31	2nd	63	27th	13	0°79	-1°46	0°20	13th	—	—	—	—
LAUDALE	41°5	52°2	46°9	+1°0	32	15th	61	23rd	21	3°73	+0°18	0°49	10th	—	—	—	—
GLASGOW	41°6	53°0	47°3	+2°4	31	15th	63	23rd	14	2°10	+0°04	0°40	10th	139°3	+9°1	33	+2
GLENLEE	39°2	55°1	47°2	+2°7	26	15th	63	21st, 24th	14	2°48	-0°32	0°52	10th	—	—	—	—
DOUGLAS	41°9	54°4	48°2	+2°8	33	2nd	60	19th	12	1°28	-1°02	0°44	15th	168°4	-14°3	40	-4
STONYHURST	40°5	52°4	46°5	+1°2	31	2nd	60	24th	15	3°11	+0°79	0°50	26th	166°6	+21°9	40	+5
BLACKPOOL	42°6	53°7	48°2	+2°3	30	2nd	61	24th	16	1°40	-0°24	0°23	10th	165°4	+17°5	40	+5
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	148°6	?	36	?
MANCHESTER (PRESTWICH).	40°4	54°3	47°4	+1°7	30	2nd	63	24th	15	2°04	+0°11	0°33	16th	131°3	?	31	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	110°3	?	27	?
LIANDUDNO	45°0	54°3	49°7	+2°6	39	12th, 13th	64	24th	14	1°35	-0°40	0°28	16th	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	193°0	?	47	?
LIANDOVERY	39°2	58°4	48°8	+2°5	25	2nd	66	19th, 22nd	16	1°15	-1°43	0°23	13th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	171°8	-14°1	42	-3
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	167°7	-28°3	41	-7
ARLINGTON	41°8	55°7	48°8	+3°7	30	2nd	62	24th	11	1°97	-0°73	0°68	13th	—	—	—	—
CULLOMPTON	41°4	58°5	50°0	+2°0	32	2nd, 22nd	66	19th, 22nd, 24th	9	0°47	-1°93	0°14	16th	163°5	+6°2	40	+2
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	137°0	-44°2	33	-11
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	185°8	+8°1	45	+2
FALMOUTH	45°4	54°0	50°2	+2°5	39	2nd	61	24th	10	0°93	-1°93	0°52	11th	195°6	+12°8	48	+3
PLYMOUTH	44°1	55°8	50°0	+1°4	38	2nd, 30th	62	19th	10	0°28	-2°01	0°09	24th	164°8	-12°9	40	-3
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	187°1	?	46	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	181°2	-16°5	44	-4
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	169°7	-26°6	41	-7
LONDONDERRY	42°7	55°9	49°3	+2°4	37	11th, 12th, 13th	69	21st, 23rd	21	2°79	+0°61	0°46	10th	—	—	—	—
EDENFEL (OMAGH)	41°3	53°9	47°6	+1°3	33	11th	64	20th, 21st	18	2°42	+0°33	0°30	10th, 13th, 15th	—	—	—	—
MARKREE CASTLE	42°5	55°4	49°0	+3°0	33	24th	65	23rd	20	2°31	+0°15	0°52	13th	133°2	-16°8	32	-4
ARMAGH	41°4	56°0	48°7	+3°3	33	13th	64	21st	17	1°25	-0°77	0°27	10th	129°6	-13°2	31	-5
EDGEWORTHSTOWN	40°8	55°9	48°4	+2°4	34	30th	65	21st, 22nd	11	1°41	-0°89	0°36	13th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	123°6	-13°5	30	-3
DUBLIN	44°4	57°3	50°9	+3°6	36	2nd	65	24th	16	0°88	-1°08	0°33	13th	151°9	-14°9	37	-3
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	144°9	-10°9	35	-3
KILKENNY CASTLE	41°8	56°6	49°2	+2°0	35	2nd, 22nd, 30th	65	23rd	11	0°43	-1°73	0°10	13th	—	—	—	—
VALENCIA (CAHIR-CIVIL).	—	—	—	—	—	—	—	—	—	—	—	—	—	129°2	-42°3	31	-11
KILLARNEY	43°0	56°3	49°7	+2°1	31	24th	66	23rd	15	1°60	?	0°46	11th	—	—	—	—
POYNES	44°4	†	†	†	33	30th	†	†	11	1°70	?	0°35	17th	—	—	—	—

* For information, see Table VII.

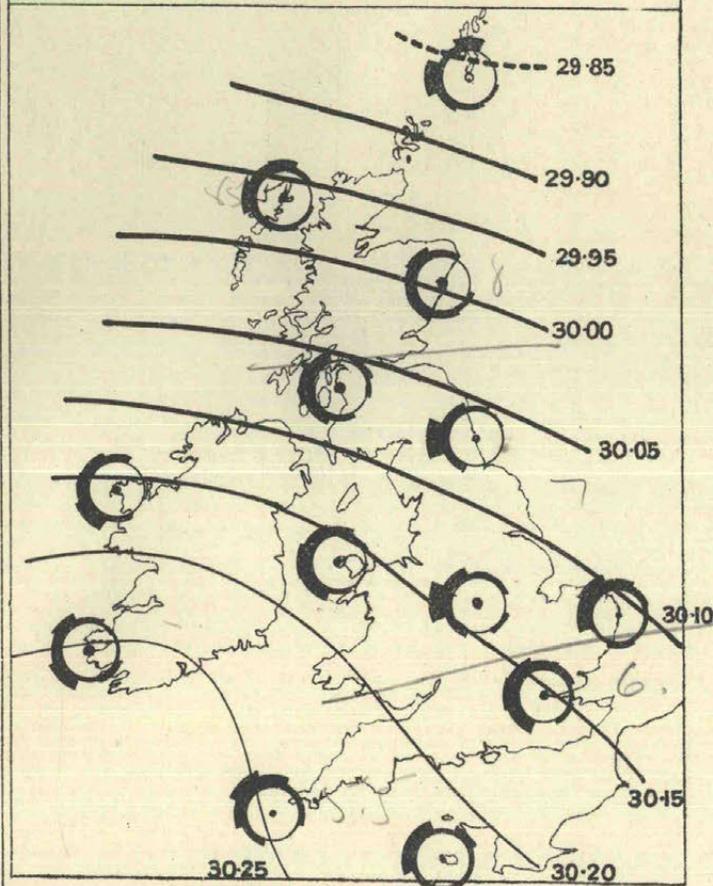
† Observations incomplete.

MONTHLY WEATHER CHART APRIL 1896.

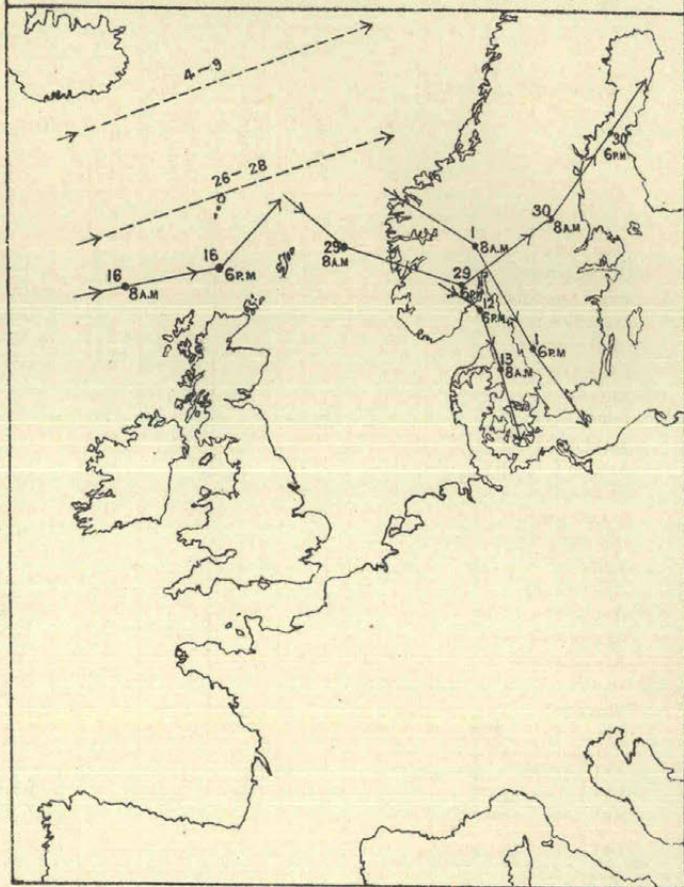
Monthly Summary.

Plate IV.

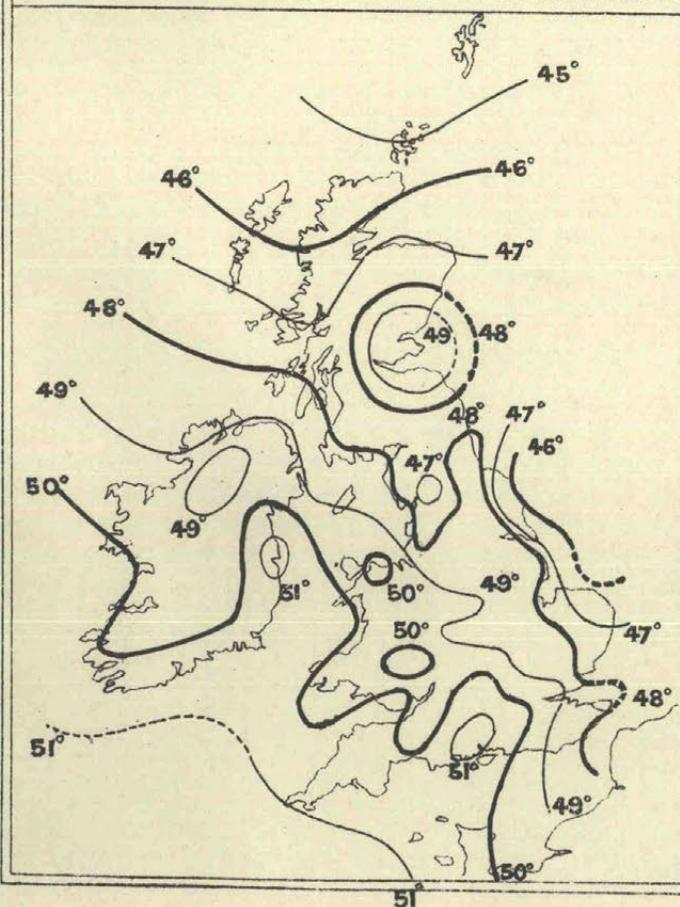
1. BAROMETER AND WIND.



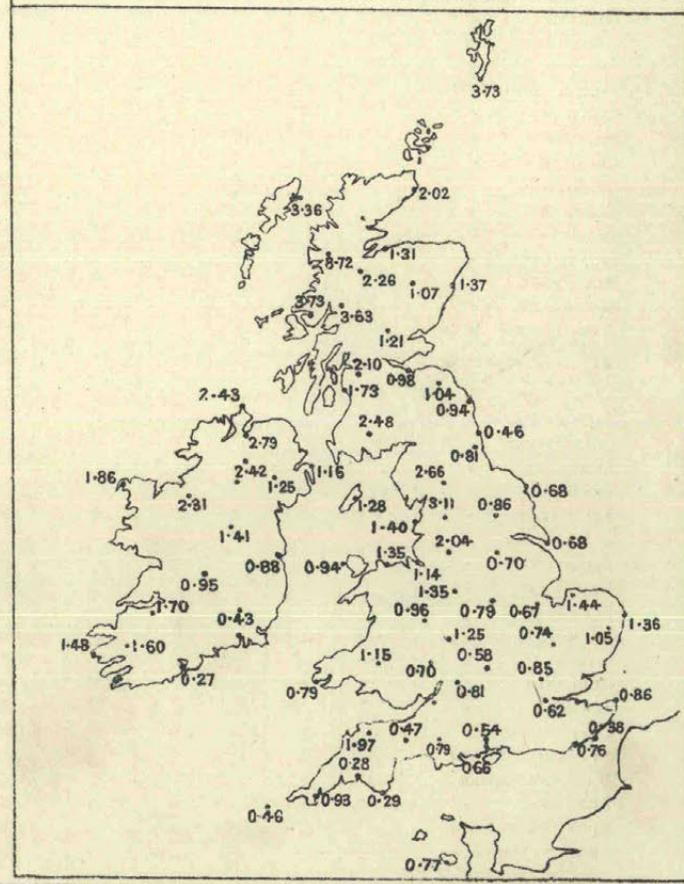
2. MOVEMENTS OF DEPRESSIONS.



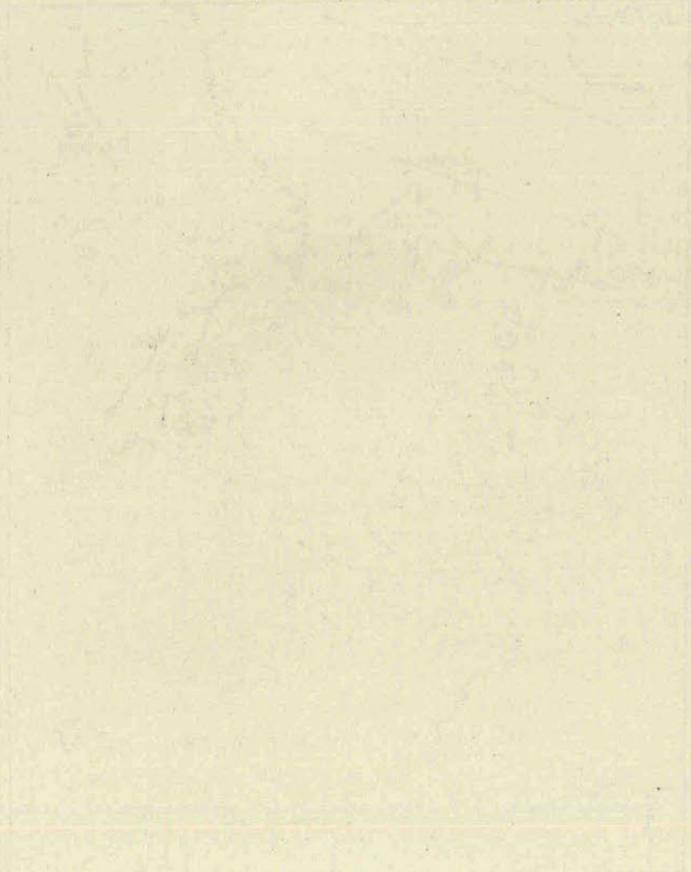
3. DISTRIBUTION OF MEAN TEMPERATURE.



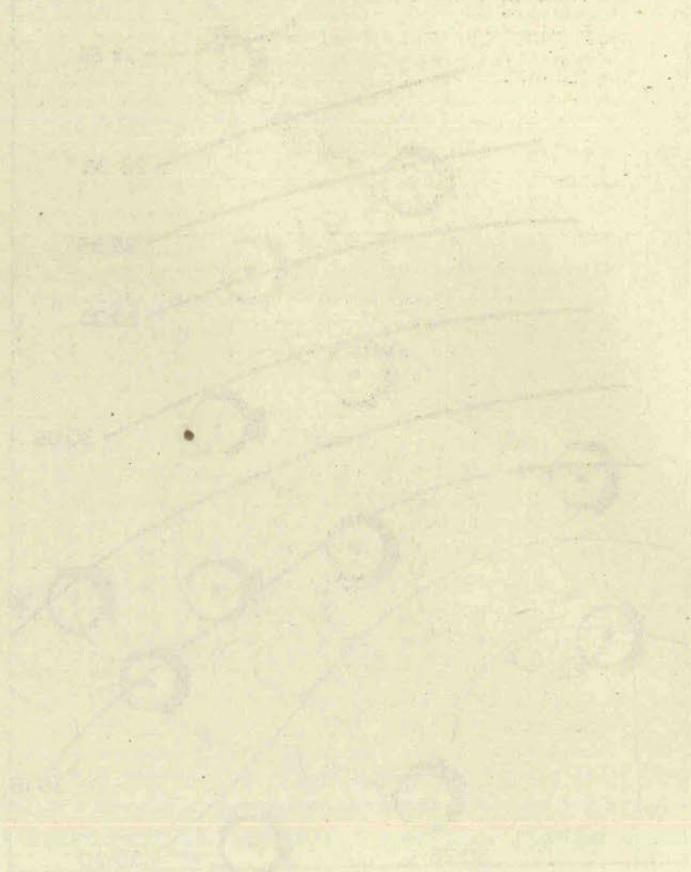
4 RAINFALL.



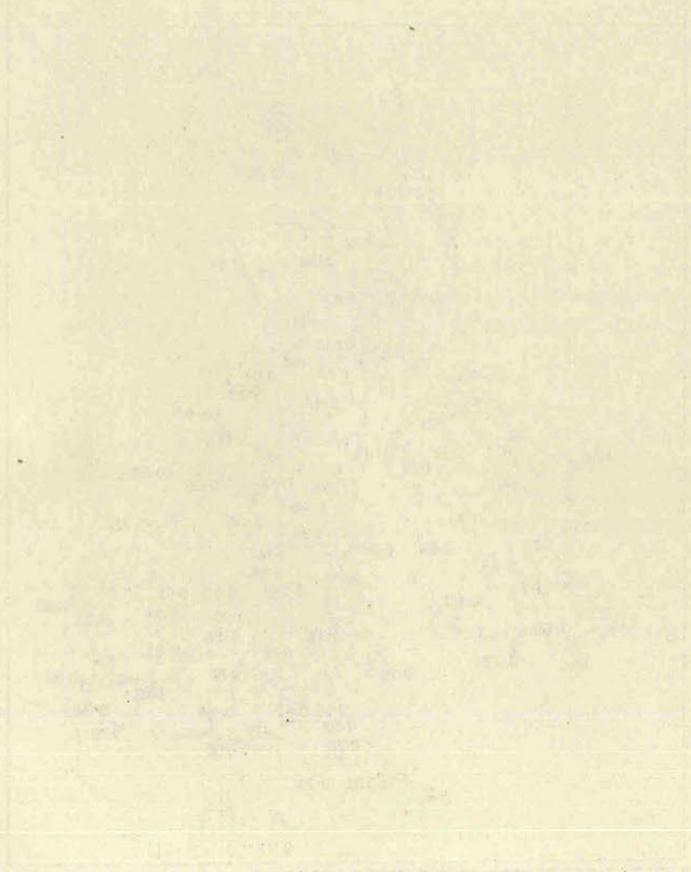
THE GREAT WALL OF CHINA



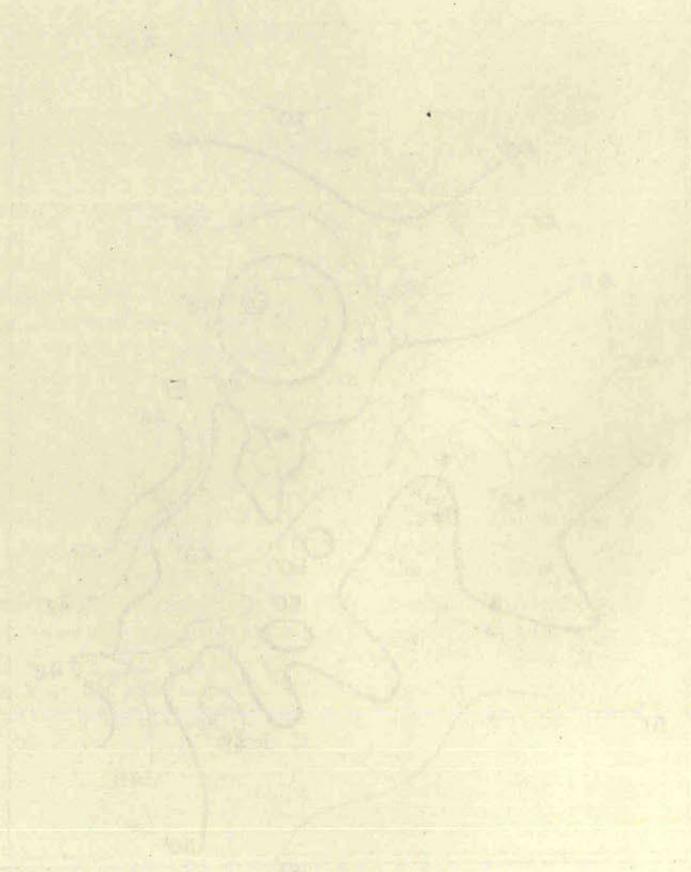
THE GREAT WALL OF CHINA



THE GREAT WALL OF CHINA



THE GREAT WALL OF CHINA



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

MAY 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
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General Summary.—With the exception of a showery spell between the 18th and 21st the weather of May was fair, warm, and exceedingly dry, an almost entire absence of rain being reported over the south-western parts of the United Kingdom. Thunder and lightning occurred at some of our southern stations on the 6th and 7th, and in many of the northern and eastern districts on the 12th. Brilliant aurora was seen in the north of Scotland on the 2nd and 3rd, the first display being observed less clearly in several other parts of the kingdom. Pressure and temperature were above the average; the winds were mainly from the Northward; rainfall was very deficient, especially in the south-west; bright sunshine was, as a rule, considerably in excess of the normal.

Pressure.—*Mean at 8 a.m.* ranged from 30·3 ins. and upwards over Ireland and the neighbouring channels to about 30·2 ins. on our extreme south-east coasts, and to a little below 30·2 ins. in the Shetlands. The mean distribution of pressure was, therefore, distinctly anticyclonic, and the actual values were considerably above the average,* the excess being greatest (0·35 in. or more) in Ireland. *Highest* readings were recorded on the 25th and 26th, when the barometer exceeded 30·5 ins. in all but the extreme southern parts of the kingdom. *Lowest* readings occurred in the north on the 19th, but over the country generally on the 22nd; in the extreme north the barometer fell below 29·7 ins., and on our north and east coasts generally below 29·9 ins., but in the south-west of Ireland the minimum readings for the month were above 30·1 ins. *Range* was everywhere small.

Depressions.—The only depressions of any importance observed in the immediate neighbourhood of our Islands were those of the 18th and 20th. The former, a "V-shaped" system, skirted our extreme northern coasts, and moved away to the north-eastward; the latter travelled quickly in an east south-easterly direction across the north of Scotland and the North Sea, and afterwards passed on to the Baltic, where it filled up.

Anticyclones.—During nearly the whole month the weather over Western Europe was influenced by a large anticyclone which spread in from the Atlantic. Between the 12th and 14th, and again from the 18th to the 22nd, when depressions appeared over Scandinavia or our own northern coasts, the system receded to the south-westward, but in each case the change was merely temporary.

Winds were mainly from some northerly point, the direction inclining to North-west in the north but to North-east in the south; at some of our western and central stations calms were very prevalent. Very few gales were experienced, but on our north-west coasts the North-westerly gale of the 19th blew with considerable force, strong squalls from the same quarter being experienced in most other parts of the kingdom.

Temperature.—*Mean at Sea Level* ranged from between 56° and 57° over central Scotland, the south of Ireland, and a considerable portion of the south of England, to about 50° along the east coasts of England, and to very little above 48° in the Shetlands. Over the southern parts of the kingdom the mean distribution agreed fairly with the normal, but in the north the summer type was more pronounced than is usual in May. Compared with the average,* the values showed a slight deficiency at some of our eastern and south-eastern stations, but a considerable excess in most other places; in many parts of Scotland the excess amounted to more than four degrees, and at Ochtertyre to very nearly six degrees. *Highest* readings were observed, as a rule, on the 11th or 12th, when the thermometer rose to 75° and upwards over the inland parts of the country generally, to 80° or more in a few isolated places, and to 85° at Llandoverly. *Lowest* readings were recorded on varying dates between the 1st and 4th, when frost occurred in most places; at Durham, Stamford, Loughborough, and Llandoverly the sheltered thermometer fell to 28°. *Range* was large, especially over the inland parts of England and Ireland, where it amounted in many cases to over 45°; at Durham and Loughborough it reached 52°, and at Llandoverly, 57°. *Vapour Tension* ranged from 0·35 in. and upwards on our south-western and several parts of our extreme northern and north-western coasts to 0·30 in. or less at most of our eastern and central stations, and to only 0·27 in. in London. *Relative Humidity* varied from 89 per cent. at Wick and Malin Head to 70 per cent. at Liverpool, and to 68 per cent. in London and at Jersey.

Rainfall was very deficient, especially over Wales, the eastern and central parts of Ireland, and the western, central, and southern parts of England, where the total amount was in all places less than half an inch. Over the south-west of England the only rain experienced during the month was a few hundredths of an inch on the 21st, less than five rainy days being recorded in many other parts of the country. The largest amounts measured were 2·1 ins. at Glencarron, 2·0 ins. at Wick, and 1·5 ins. at Stornoway, but at all stations, excepting Wick, the total was considerably below the average,* the proportion over the western, central, and southern parts of the kingdom being, as a rule, less than one eighth of the normal.

Bright Sunshine was in excess of the average* in nearly all places, the difference being large at many of the western and northern stations. The per-centage of the possible amount ranged from 71 at Falmouth and Scilly, and 60 or more on several parts of our west and south-west coasts, to 39 at Stornoway, Durham, Harrogate, and Worksop, and to 38 at York and Manchester (Oldham Road).

* The averages employed are—*Pressure and Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; *Bright Sunshine* for the 15 years 1881–95.

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.							
		ins.	ins.		Means of				Absolute Extremes.			
					At 8 a.m.	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.
0. SCOTLAND N.	Sumburgh Head	30°175	+0°286	48°7	43°1	52°9	48°0	+2°7	36	1st	62	10th
	Wick	30°237	+°330	52°7	43°6	58°0	50°8	+3°5	30	3rd	68	11th
	Stornoway	30°252	+°359	52°1	45°4	58°0	51°7	+4°5	37	1st	71	11th
1. SCOTLAND, E.	Nairn	30°245	+°333	52°8	42°9	62°6	52°8	+3°5	36	1st, 9th	74	11th
	Aberdeen	30°262	+°336	53°2	44°4	59°2	51°8	+3°4	38	1st	71	17th
	Leith	30°270	+°334	54°6	45°2	63°6	54°4	+4°3	37	1st	76	11th
2. ENGLAND, N.E.	Shields	30°262	+°315	51°5	43°8	58°0	50°9	+2°3	36	4th	72	14th
	York	30°270	+°305	51°9	42°8	64°1	53°5	+2°4	30	4th	80	12th
	Spurn Head	30°240	+°284	51°0	45°2	55°6	50°4	+0°7	38	1st	67	14th
3. ENGLAND, E.	Yarmouth	30°204	+°238	50°9	45°0	55°1	50°1	-0°1	38	1st, 5th	65	29th
	Cambridge	30°259	+°281	51°8	41°8	64°3	53°1	+0°9	32	1st, 2nd	77	29th
4. MIDLAND COUNTIES	Loughborough	30°274	+°298	51°6	41°7	64°6	53°2	+0°9	28	2nd	80	12th
	Oxford	30°267	+°283	51°3	43°7	64°8	54°3	+2°1	30	2nd	77	12th
5. ENGLAND, S.	London	30°249	+°267	52°9	45°2	65°5	55°4	+1°8	36	5th	77	12th, 18th, 29th
	North Foreland	30°225	+°255	51°5	46°2	55°5	50°9	-0°2	40	5th	69	14th, 15th
	Dungeness	30°197	+°229	52°3	45°0	58°9	52°0	+0°1	53	5th	70	15th
	Hurst Castle	30°239	+°256	54°4	47°0	63°4	55°2	+2°7	37	3rd	73	12th
6. SCOTLAND, W.	Ardrossan	30°281	+°343	53°8	46°1	61°2	53°7	+3°4	39	1st, 2nd	69	8th, 11th
7. ENGLAND, N.W.	Hawes Junction*	29°026	?	48°4	40°1	59°8	50°0	?	30	1st	72	12th
	Liverpool	30°286	+°321	54°5	47°2	61°5	54°4	+2°7	40	1st	74	12th
	Holyhead	30°303	+°342	54°6	47°5	59°1	53°3	+2°1	40	2nd	68	14th
8. ENGLAND, S.W.	Pembroke	30°287	+°322	54°7	48°3	60°1	54°2	+3°6	39	2nd	68	12th
	Prawle Point	30°241	+°253	56°1	47°5	62°9	55°2	+4°0	39	1st	72	19th, 23rd
9. IRELAND, N.	Malin Head	30°297	+°379	52°5	48°5	56°4	52°5	+2°6	40	1st	63	11th
	Donaghadee	30°314	+°362	54°3	45°8	61°1	53°5	+3°1	35	3rd	70	8th
	Belmullet	30°334	+°393	55°4	48°2	60°5	54°4	+3°4	39	1st	72	12th
10. IRELAND, S.	Parsonstown	30°332	+°369	52°9	43°9	65°5	54°7	+3°4	30	1st	76	12th
	Valencia (Cahireiveen)	30°334	+°367	56°3	45°3	62°4	53°9	+1°6	34	2nd	71	27th
	Roche's Point	30°330	+°366	56°4	49°2	63°0	56°1	+3°6	38	2nd	73	29th
CHANNEL ISLANDS	Scilly (St. Mary's)	30°248	+°273	55°7	51°1	60°1	55°6	+3°2	45	1st	67	12th
	Jersey	30°223	+°231	55°5	48°9	62°2	55°6	+2°1	39	2nd	72	12th

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

SUMMARY OF OBSERVATIONS, MAY 1896.

REPORTING STATIONS in the BRITISH ISLANDS, during the Month of MAY 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.			Date.	WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.		No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
ins. 0.290	% 85	7.5	ins. 1.18	-0.58	ins. 0.52	18th	13	0	0	0	2	15	0	4	1	1	1	0	1	11	10	2
.354	89	7.5	2.00	+0.23	0.60	21st	15	0	0	1	5	20	2	10	0	0	1	5	2	0	13	0
.324	83	6.8	1.51	-1.02	0.70	18th	10	0	0	0	6	19	0	6	0	1	1	5	3	5	6	4
.320	80	7.0	0.82	-0.86	0.47	21st	9	0	0	0	3	11	0	1	1	0	0	1	1	14	1	12
.290	72	6.6	1.43	-0.58	0.57	21st	13	0	0	0	2	11	3	9	3	1	3	2	1	3	9	0
.305	72	5.9	0.48	-1.22	0.19	18th	8	0	0	0	7	15	0	3	2	6	1	1	2	9	2	5
.293	77	7.1	0.87	-0.77	0.34	21st	6	0	0	0	4	15	0	9	5	1	0	1	2	3	5	5
.297	77	5.2	0.46	-1.41	0.37	21st	5	0	0	1	12	10	0	10	3	5	0	1	0	6	6	0
.323	86	6.6	0.60	-1.01	0.20	20th, 21st	8	0	0	2	5	15	1	10	5	0	3	1	1	5	6	0
.291	79	4.8	0.43	-1.40	0.18	20th	7	0	1	0	9	0	0	16	10	0	0	0	1	2	2	0
.303	79	6.2	0.31	-1.56	0.16	21st	8	0	0	1	9	16	0	20	3	1	0	1	1	1	4	0
.308	80	6.6	0.49	-1.56	0.45	21st	4	0	0	1	5	12	2	7	8	0	1	0	0	6	7	2
.287	76	6.4	0.20	-1.63	0.15	21st	4	0	0	0	7	12	0	8	14	0	0	0	3	0	5	1
.268	68	5.5	0.16	-1.61	0.12	21st	3	0	0	1	12	13	1	4	14	3	0	1	2	5	1	1
.300	79	5.1	0.10	?	0.05	20th	3	0	0	0	3	4	0	12	9	3	0	1	1	3	2	0
.307	78	5.2	0.11	-1.55	0.06	22nd	4	0	0	0	5	5	0	11	12	1	0	0	1	3	2	1
.323	76	4.5	0.39	-1.25	0.19	23rd	4	0	0	0	7	8	0	7	14	1	0	0	2	2	1	4
.366	88	6.3	0.55	-1.73	0.40	18th	6	0	0	1	7	14	2	0	5	1	1	1	2	8	7	6
.277	82	4.5	0.45	?	0.22	19th	3	0	0	0	8	9	0	9	5	7	1	2	1	1	4	1
.297	70	4.6	0.39	-1.44	0.23	21st	5	0	0	0	14	9	2	1	4	3	2	1	0	8	5	7
.334	78	4.3	0.24	-1.61	0.10	21st	3	0	0	0	6	6	2	5	7	1	0	0	2	3	10	3
.350	82	2.9	0.02	-1.94	0.02	21st	1	0	0	0	17	6	0	6	8	9	1	0	1	0	4	2
.352	77	3.9	0.04	-1.44	0.04	21st	1	0	0	0	4	4	0	4	10	5	1	0	2	1	2	0
.352	89	7.0	1.15	?	0.36	4th	8	0	0	0	3	13	2	8	2	1	4	3	4	3	6	0
.339	80	5.2	0.26	-1.95	0.13	18th	3	0	0	0	4	7	1	5	2	4	0	1	2	3	14	0
.343	78	4.7	1.32	-1.51	0.57	4th	7	0	1	0	10	9	0	4	8	4	3	0	5	3	4	0
.318	80	4.9	0.36	-1.95	0.15	18th	6	0	0	0	9	8	0	0	1	4	0	1	0	5	3	17
.336	73	4.7	0.23	-2.99	0.08	5th	5	0	0	0	8	8	0	4	6	2	0	0	1	2	5	11
.354	78	4.2	0.03	-2.98	0.03	21st	2	0	0	0	0	4	0	11	3	6	2	0	1	0	8	0
.356	80	5.0	0.14	-1.55	0.11	21st	3	0	0	0	3	3	0	11	10	5	0	0	0	1	4	0
.300	68	5.1	0.31	-1.55	0.17	22nd	5	0	0	0	8	10	6	3	14	5	3	0	0	3	3	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 1896.

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.	*	196.8	+ 12.0	39	+ 3	
GLENCARRON	42.7	60.2	51.5	+ 3.2	34	1st	74	10th	13	2.07	-2.60	0.77	19th	—	—	—	
FORT AUGUSTUS	42.8	62.3	52.6	+ 4.1	33	1st	77	10th	8	0.89	-1.20	0.54	19th	208.7	+ 84.2	41	+ 16
FORT WILLIAM	45.1	62.4	53.8	+ 3.7	34	1st	75	9th	12	1.29	-2.27	0.55	19th	228.6	+ 57.6	45	+ 11
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	202.4	+ 10.2	40	+ 2
BRAEMAR	40.4	62.6	51.5	+ 5.3	32	4th	73	11th	8	0.89	-1.32	0.40	19th	240.8	+ 59.5	48	+ 12
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	227.1	+ 62.5	46	+ 13
OCHTERTYRE	42.8	69.1	56.0	+ 5.9	36	3rd	80	11th	5	0.52	-1.89	0.32	18th	—	—	—	—
MARCHMONT	42.8	62.0	52.4	+ 4.3	34	3rd	78	11th	6	1.25	-1.13	0.62	21st	222.5	+ 37.5	45	+ 8
ALNWICK CASTLE	43.5	57.2	50.4	+ 2.5	37	1st, 4th	69	18th	9	0.99	-1.16	0.41	22nd	—	—	—	—
DURHAM	41.3	61.5	51.4	+ 2.3	28	4th	80	31st	10	0.53	-1.51	0.23	21st	190.6	+ 15.9	39	+ 4
SCARBOROUGH	44.1	54.9	49.5	0.0	34	4th	73	31st	8	0.84	-1.12	0.28	17th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	194.6	+ 20.4	40	+ 5
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	187.7	- 0.1	38	0
HILLINGTON	41.9	61.0	51.5	+ 0.2	30	5th	77	12th	8	1.09	-0.77	0.46	20th	227.0	+ 16.5	47	+ 4
GELDESTON	41.8	59.3	50.6	- 0.5	32	5th	75	14th	6	0.46	-1.27	0.20	23rd	222.3	- 3.3	46	- 1
CAMBRIDGE	—	—	—	—	—	—	—	—	—	—	—	—	—	227.1	+ 27.5	47	+ 6
ROTHAMSTED	42.4	62.6	52.5	+ 1.4	31	2nd	75	29th	6	0.44	-1.67	0.24	21st	209.4	+ 10.8	43	+ 2
HARROGATE	42.3	61.2	51.8	+ 1.5	31	4th	75	12th	4	0.54	?	0.45	21st	190.2	?	39	?
BAWTRY	39.8	65.2	52.5	+ 1.3	29	3rd	78	12th	6	0.52	-1.52	0.39	21st	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	187.7	+ 13.8	39	+ 3
STAMFORD (KETTON HALL).	41.4	65.7	53.6	+ 1.6	28	2nd	78	12th, 29th	5	0.48	-1.79	0.32	21st	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	195.2	+ 11.9	40	+ 2
CHEADLE	42.7	62.1	52.4	+ 2.7	33	21st	75	12th	3	0.24	-2.09	0.12	21st	—	—	—	—
SHIRLEY (nr. SOLIHULL)	41.7	62.9	52.3	+ 0.5	32	3rd, 4th	74	12th, 18th	4	0.35	?	0.23	21st	—	—	—	—
CHURCHSTOKE	40.5	64.4	52.5	+ 2.8	32	4th	77	12th	6	0.39	-1.82	0.19	21st	268.6	+ 80.4	55	+ 16
HEREFORD	44.0	66.8	55.4	+ 3.3	32	4th	81	12th	4	0.14	-1.94	0.11	21st	—	—	—	—
CIRENCESTER	42.5	64.0	53.3	+ 2.5	31	2nd, 4th, 21st	75	29th	4	0.28	-1.87	0.14	20th	277.9	+ 75.9	58	+ 16
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	233.4	+ 36.8	48	+ 7
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	201.6	+ 18.6	42	+ 4
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	207.4	+ 11.0	43	+ 2
HASTINGS	45.0	61.6	53.3	+ 1.3	36	2nd	69	12th, 15th	6	0.28	-1.39	0.09	23rd	271.5	+ 33.1	57	+ 7
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	264.8	+ 38.4	56	+ 9
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	274.1	+ 52.3	57	+ 12
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	269.2	+ 41.9	56	+ 8
SOUTHAMPTON	45.6	68.1	56.9	+ 3.5	33	2nd	79	12th	4	0.34	-1.54	0.14	21st	267.8	+ 49.9	56	+ 10
STOWELL	44.3	64.5	54.4	+ 2.6	34	3rd	76	12th	4	0.17	-1.77	0.07	21st	—	—	—	—
LAUDALE	45.3	60.8	53.1	+ 2.7	32	1st	76	8th	9	1.43	-2.28	0.60	19th	—	—	—	—
GLASGOW	45.7	63.7	54.7	+ 4.8	38	1st	74	11th, 12th	4	0.78	-1.65	0.61	18th	240.2	+ 81.3	48	+ 16
GLENLEE	41.6	64.8	53.2	+ 3.5	31	1st	76	11th	3	0.62	-2.37	0.30	19th	—	—	—	—
DOUGLAS	44.9	62.8	53.9	+ 4.0	35	4th	74	12th	4	0.22	-1.96	0.07	18th, 19th, 21st	302.5	+ 81.9	62	+ 17
STONTHURST	44.3	61.4	52.9	+ 2.4	34	1st, 4th	72	11th, 12th	5	0.76	-1.93	0.30	19th	239.0	+ 48.3	49	+ 10
BLACKPOOL	43.7	63.1	53.4	+ 2.6	31	1st	74	11th	5	0.50	-1.52	0.18	19th	274.6	+ 82.1	56	+ 17
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	249.0	?	51	?
MANCHESTER (PRESTWICH).	43.5	63.8	53.7	+ 3.2	33	1st, 21st	75	12th	5	0.44	-1.98	0.22	21st	214.1	?	44	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	186.7	?	38	?
LLANDUDNO	47.4	61.0	54.2	+ 2.5	37	1st	72	12th	3	0.53	-1.27	0.25	21st	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	314.0	?	65	?
LLANDOVERY	40.5	69.5	55.0	+ 3.2	28	1st, 2nd, 4th	85	12th	2	0.05	-2.72	0.04	21st	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	309.2	+ 91.9	64	+ 19
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	316.1	+ 97.3	66	+ 21
ARLINGTON	44.4	64.7	54.6	+ 3.9	32	4th	80	12th	1	0.11	-2.72	0.11	21st	—	—	—	—
CULLOMPTON	44.3	62.2	55.8	+ 3.4	32	2nd	79	12th	1	0.05	-2.08	0.05	21st	280.7	+ 82.0	59	+ 17
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	297.4	+ 77.6	63	+ 17
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	318.6	+ 106.3	67	+ 22
FALMOUTH	48.7	61.6	55.2	+ 3.2	39	1st	70	13th, 18th	1	0.02	-2.54	0.02	21st	335.8	+ 109.3	71	+ 23
PLYMOUTH	48.1	64.3	56.2	+ 2.7	37	2nd	75	12th	1	0.01	-2.02	0.01	21st	313.6	+ 101.5	66	+ 21
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	334.3	?	71	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	312.7	+ 47.7	67	+ 10
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	316.5	+ 67.3	68	+ 15
LONDONERRY	46.6	65.7	56.2	+ 4.6	37	1st, 2nd	79	12th	10	0.70	-1.71	0.26	18th	—	—	—	—
EDENFEL (OMAGH)	44.1	63.0	53.6	+ 4.0	31	1st	76	12th	5	0.85	-1.49	0.32	18th	—	—	—	—
MARKREE CASTLE	44.1	62.5	53.3	+ 3.5	31	1st	76	12th	7	0.96	-1.50	0.32	4th	238.4	+ 55.2	49	+ 12
ARMAGH	43.8	63.7	53.8	+ 3.4	31	1st	75	12th, 13th	7	0.61	-1.46	0.35	18th	245.7	+ 67.1	50	+ 14
EDGEWORTHSTOWN	43.7	64.1	53.9	+ 3.4	32	1st	79	12th	6	0.36	-2.12	0.14	18th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	255.4	+ 66.9	52	+ 14
DUBLIN	47.3	63.1	55.2	+ 3.1	36	1st	72	29th	7	0.19	-1.88	0.08	18th	280.3	+ 72.5	58	+ 15
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	233.0	+ 52.8	48	+ 11
KILKENNY CASTLE	44.2	66.5	55.4	+ 3.7	32	1st	77	12th	3	0.19	-1.94	0.11	18th	—	—	—	—
VALENCIA (CAHIR-KILLEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	295.8	+ 89.4	61	+ 18
KILLARNEY	41.8	65.6	53.7	+ 1.6	29	1st	76	12th	8	0.29	?	0.07	5th	—	—	—	—
FOYNES	48.5	64.4	56.5	+ 5.4	38	1st	75	12th	6	0.48	?	0.11	18th, 21st	—	—	—	—

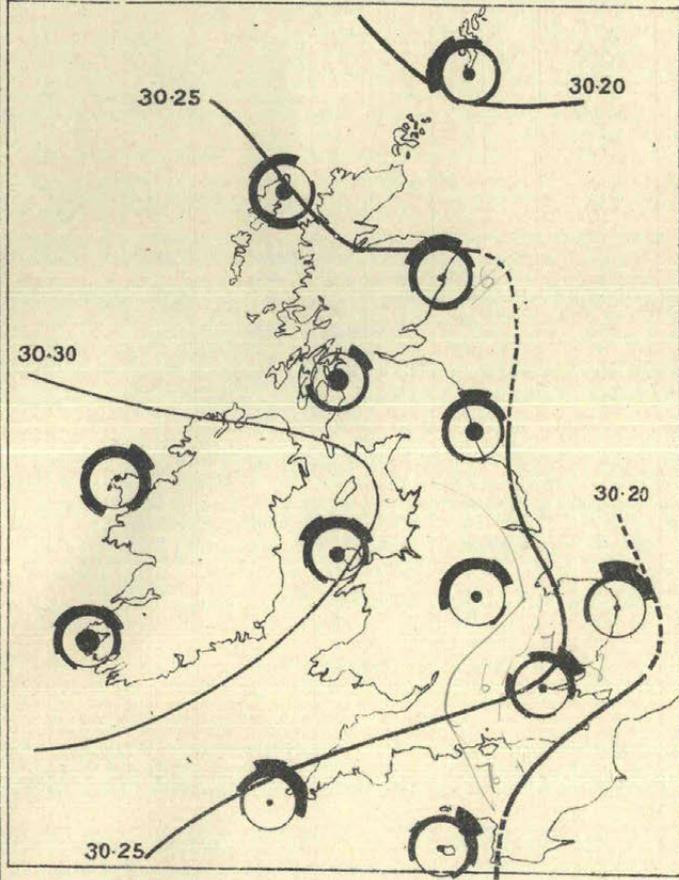
* For information see Table IX.

MONTHLY WEATHER CHART, MAY, 1896.

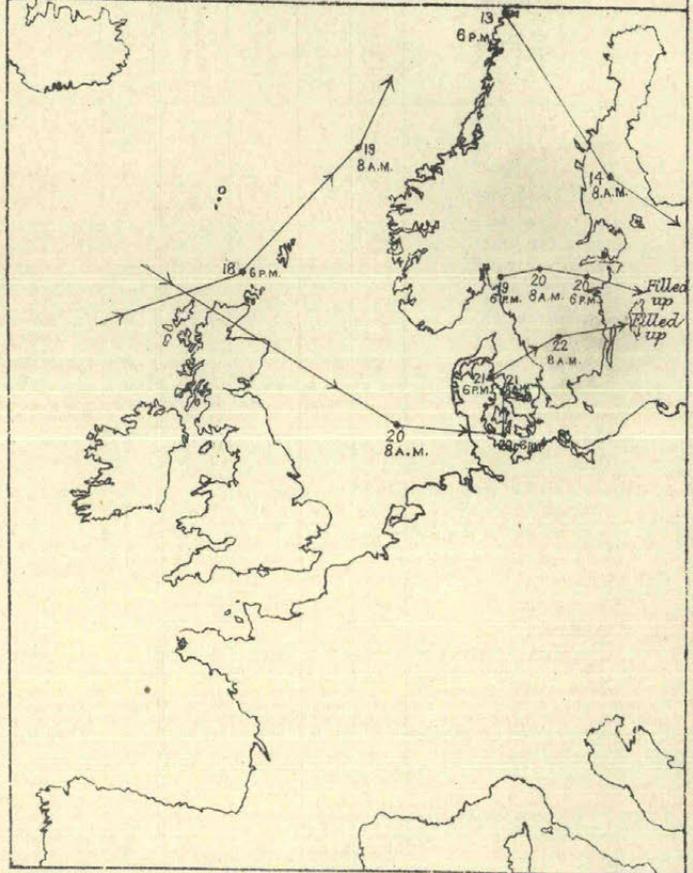
Monthly Summary.

Plate V.

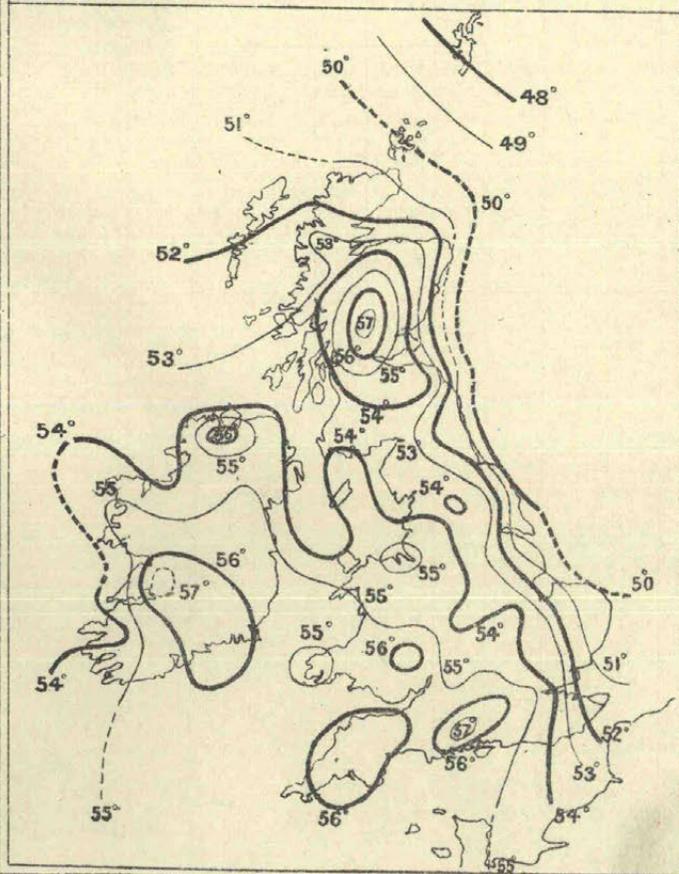
I. BAROMETER AND WIND.



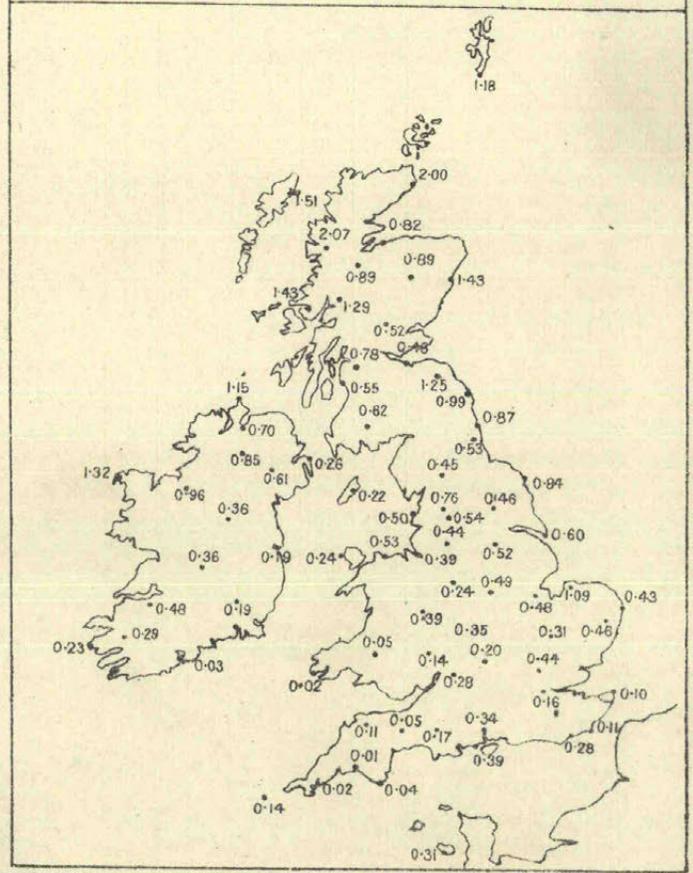
2. MOVEMENTS OF DEPRESSIONS.



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 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

ISSUED BY THE METEOROLOGICAL OFFICE, 63, VICTORIA STREET, LONDON; R. H. SCOTT, F.R.S., SECRETARY.
PUBLISHED BY HIRE 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.—The weather of June varied greatly in different parts of our islands, but was, upon the whole, somewhat changeable, with occasional thunderstorms, accompanied in some places by heavy showers. Pressure was slightly below the average; temperature was high, especially over England and the east of Ireland; the winds were Westerly over Ireland and England, but variable or Easterly in Scotland; rainfall was deficient at most southern and eastern stations, but in excess of the average in nearly all other places; bright sunshine was fairly abundant at all but the Scotch and northern Irish stations.

Pressure.—*Mean at 8 a.m.* ranged from 29·95 ins. and upwards in the south and south-east of England to between 29·87 ins. and 29·88 ins. in the Shetlands and Hebrides. The general distribution of pressure agreed fairly with the normal, but the actual values were below the average,* the difference being everywhere small, but greatest in the south and east. *Highest* readings were observed on the 28th or 29th, when the barometer rose to 30·3 ins. and upwards on our extreme south-west coasts, and to 30·1 ins. and upwards over the whole of Ireland and England. In Scotland the highest readings (30·1 ins. to 30·2 ins.) were observed either on the 14th, the 22nd, or the 26th. *Lowest* readings were recorded in most places on the 17th, when the barometer ranged from 29·3 ins. and less in the Hebrides to 29·8 ins. and less in the south of England. In the extreme west, however, the barometer was equally low on the 6th, while in the south and south east of England the lowest readings (29·5 ins. and less) were registered on the 9th or 10th. *Range* was moderate.

Depressions.—During the first week a complex depression spread gradually over our islands and the North Sea from the westward, the disturbance being followed by a more clearly-defined system which advanced from the Bay of Biscay to the east of England between the 8th and 10th, and which afterwards moved off to the south-eastward. During the latter half of the month the distribution of pressure was mainly anticyclonic, but on the 30th a well-marked depression advanced to the north of Scotland, and travelled in an east-south-easterly direction across the North Sea.

Anticyclones.—Two such systems were observed. The first extended over Great Britain from the southward on the 12th, but soon passed away to Northern Europe, and broke up. The second spread over Western Europe from the south-westward between the 19th and 20th, and remained in our neighbourhood until very nearly the end of the month, the only interruption being on the 23rd and 24th, when the system receded temporarily to the south-westward.

Winds were mainly from some Westerly quarter over Ireland and England, but variable or light from between East and North-east in Scotland. In all the more southern parts of Great Britain there was an entire absence of gales, but in other places the wind occasionally blew with considerable force, the North-westerly gale of the 30th being rather strong in the north of Ireland.

Temperature.—*Mean at sea level* ranged from between 63° and 64° over the inland portions of the south of England and some parts of our Midland counties to 55° or less in the north of Scotland generally, and to very little above 50° in the Shetlands. The general distribution agreed fairly with the normal, but the actual values were everywhere in excess of the average,* the difference amounting to between three and a half and four and a half degrees in many parts of England and the east of Ireland, and to as much as five and a half degrees at Clifton. *Highest* readings occurred as a rule between the 14th and 16th, when the thermometer exceeded 80° in many parts of England and Ireland, as well as at some stations in western and central Scotland; at York, Bawtry, and in London, the thermometer rose to 86°, and at Llandoverly to 87°. *Lowest* readings occurred mainly on the 1st, but in the north and east of Scotland they occurred more commonly between the 23rd and 26th. At several isolated stations the thermometer on one or other of these dates fell slightly below 40°, and at Geldeston on the 1st it went as low as 33°. *Range* was large—over 40° at many of the English stations, and as much as 47° at Geldeston, and 48° at Llandoverly. *Vapour Tension* ranged from 0·45 in. at Scilly and 0·44 in. at several of our south coast stations, to 0·36 in. in the north of Scotland generally, and to 0·32 in. in the Shetlands. *Relative Humidity* exceeded 85 per cent. at several of our western and northern stations, and reached 95 per cent. at Malin Head. In the south of Ireland, however, and also over the south-eastern parts of England, the per-centage values were below 80°, and in London as low as 70°.

Rainfall was rather deficient over the southern parts of the kingdom as a whole, as well as at stations on the east coasts of England. Elsewhere the amount was as a rule more than the average,* the excess being rather considerable in some parts of Scotland. The largest aggregates for the month were 7·2 ins. at Glencarron, 4·8 ins. at Fort William and Harrogate, and 4·5 ins. at Ochertyre; the smallest being 1·0 in. at Pembroke, 1·1 ins. at Spurn Head, and 1·2 ins. at Scilly and Falmouth. Falls of an inch or more in 24 hours were recorded in several isolated localities, the heaviest of all being 1·4 ins. at the North Foreland on the 9th, and 1·3 ins. at Glasgow on the 4th and at Dungeness on the 10th.

Bright Sunshine was deficient in Scotland and the north of Ireland, but was in excess of the average* in all other parts of the kingdom. More than 50 per cent. of the possible amount was recorded on our south and south-west coasts generally, and as much as 61 per cent. at Guernsey. In Scotland, however, there was, as a rule, less than 30 per cent., and at Fort Augustus only 16 per cent. of the possible duration.

* The averages employed are—*Pressure* and *Temperature* for the 25 years 1871–95; *Rainfall* for the 30 years 1866–95; and *Bright Sunshine* for the 15 years 1881–95.

TABLE XI.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC Observations are made at 8 a.m. daily, but the Numbers of Days of Rain, Snow, Hail, (The Stations are grouped in Districts, and then arranged in order of 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°879	ins. -0°019	50°2	45°6	54°2	49°9	0°0	39	1st	61	16th
	Wick - - -	29°893	-0°033	53°5	48°0	58°3	53°2	+1°0	40	23rd	73	27th
	Stornoway - -	29°870	-0°024	53°3	48°6	59°1	53°9	+1°8	43	5th	67	14th
1. SCOTLAND, E.	Nairn - - -	29°876	-0°041	55°4	48°2	61°7	55°0	+0°2	41	23rd	77	13th
	Aberdeen - -	29°905	-0°028	54°7	49°6	60°5	55°1	+1°0	45	23rd	74	27th
	Leith - - -	29°904	-0°039	56°5	50°2	63°0	56°6	+0°6	45	1st, 26th	74	27th
2. ENGLAND, N.E.	Shields - - -	29°908	-0°051	56°9	50°6	62°6	56°6	+2°0	44	1st	76	27th
	York - - -	29°931	-0°048	58°9	51°3	71°4	61°4	+4°1	42	1st	86	16th
	Spurn Head - -	29°916	-0°055	59°4	53°9	64°3	59°1	+3°4	50	1st, 5th	71	17th
3. ENGLAND, E.	Yarmouth - -	29°929	-0°054	60°5	53°7	65°4	59°6	+3°1	44	1st	74	16th
	Cambridge - -	29°951	-0°043	61°0	51°8	73°4	62°6	+3°9	39	1st	84	2nd
4. MIDLAND COUNTIES	Loughborough -	29°949	-0°042	60°1	51°1	73°0	62°6	+3°9	43	1st	84	15th
	Oxford - - -	29°955	-0°041	60°5	53°0	71°5	62°3	+3°7	44	1st	82	15th
5. ENGLAND, S.	London - - -	29°958	-0°043	63°0	53°6	74°3	64°0	+4°0	40	1st	86	15th
	North Foreland -	29°955	-0°055	61°5	54°7	66°8	60°8	+4°2	48	1st	78	2nd
	Dungeness - -	29°941	-0°048	61°1	54°0	66°1	60°1	+2°4	45	27th	75	15th
	Hurst Castle - -	29°960	-0°047	62°6	55°3	69°3	62°3	+3°9	44	1st	79	15th
6. SCOTLAND, W.	Ardrossan - -	29°894	-0°050	58°3	52°0	63°5	57°8	+2°0	46	1st, 2nd	76	15th
7. ENGLAND N.W.	Hawes Junction* -	28°700	?	55°0	47°5	64°4	56°0	?	38	22nd	78	15th
	Liverpool - - -	29°929	-0°047	61°2	54°5	67°8	61°2	+3°6	49	1st, 2nd	84	15th
	Holyhead - - -	29°936	-0°040	59°7	53°0	65°2	59°1	+2°5	48	1st	78	14th
8. ENGLAND, S.W.	Pembroke - - -	29°940	-0°043	59°3	54°8	63°4	59°1	+3°1	48	1st	76	14th
	Prawle Point - -	29°959	-0°051	61°2	53°6	65°5	59°6	+3°4	48	1st	78	15th
9. IRELAND, N.	Malin Head - -	29°880	-0°054	55°7	52°2	60°6	56°4	+1°5	48	1st, 22nd	72	13th
	Donaghadee - -	29°921	-0°038	57°7	50°8	64°2	57°5	+1°9	43	9th	72	14th, 27th
	Belmullet - - -	29°905	-0°048	58°1	53°1	63°2	58°2	+2°1	48	2nd, 9th	71	14th
10. IRELAND, S.	Parsonstown - -	29°937	-0°044	58°2	51°2	68°2	59°7	+3°0	43	1st	82	14th, 15th
	Valencia (Cahiriveen) -	29°936	-0°048	59°5	52°4	63°8	58°1	+1°2	43	1st	68	13th, 14th, 27th
	Roche's Point - -	29°947	-0°036	60°1	54°1	65°9	60°0	+2°2	50	1st, 2nd, 8th, 18th, 19th, 22nd.	72	14th, 15th
CHANNEL ISLANDS	Scilly - - -	29°948	-0°054	60°8	56°5	65°1	60°8	+3°4	52	1st	71	14th, 15th
	Jersey - - -	29°986	-0°033	61°9	55°5	68°0	61°8	+2°9	48	27th	80	13th

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

SUMMARY OF OBSERVATIONS, JUNE 1896.

REPORTING STATIONS in the BRITISH ISLANDS during the Month of JUNE 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.									
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of									
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.	
0.322	89	8.4	1.33	-0.60	0.55	11th	15	0	0	1	0	20	0	3	11	3	2	2	2	2	4	3	0
364	88	8.2	3.26	+1.51	0.80	3rd	18	0	0	0	3	22	3	1	2	6	8	2	2	1	8	0	
359	88	9.0	3.66	+0.90	0.47	19th	18	0	0	0	0	21	1	1	2	9	0	4	3	4	3	4	
377	86	7.0	3.25	+1.52	0.51	23rd	23	0	0	2	1	13	0	0	0	9	0	0	1	8	1	11	
345	80	7.9	2.77	+0.97	0.68	10th	22	0	0	4	0	15	0	3	4	5	6	3	2	3	4	0	
387	85	7.9	2.87	+1.08	0.60	4th	21	0	0	0	0	19	0	0	6	7	2	0	1	12	1	1	
302	85	7.1	1.64	-0.07	0.55	4th	17	0	0	3	2	11	0	4	2	3	1	0	8	3	3	6	
400	81	5.8	2.72	+0.51	0.50	7th	15	0	0	6	11	12	0	3	1	3	3	5	2	7	6	0	
434	87	6.1	1.12	-0.52	0.38	6th	12	0	1	5	1	6	3	2	3	4	3	2	3	7	5	1	
408	78	2.8	1.73	-0.13	0.80	9th	9	0	0	1	20	2	0	3	1	3	4	4	2	5	8	0	
413	78	5.5	2.14	0.00	0.70	10th	13	0	0	7	8	10	0	2	2	1	2	3	8	2	9	1	
428	82	7.3	2.50	+0.30	0.87	24th	12	0	1	6	2	12	0	3	2	0	2	5	2	7	7	2	
403	77	6.4	2.42	+0.31	0.77	10th	10	0	0	6	9	14	0	2	3	1	2	4	6	4	8	0	
403	70	6.0	1.61	-0.38	0.53	10th	10	0	0	3	6	10	0	1	3	3	2	2	7	6	4	2	
433	80	4.7	2.99	?	1.37	9th	11	0	0	2	2	3	0	3	4	4	4	4	0	8	3	0	
444	82	5.2	2.30	+0.78	1.30	10th	10	0	0	3	2	6	0	3	4	3	1	2	7	4	5	1	
436	77	5.9	1.49	-0.34	0.26	4th	11	0	0	3	2	8	0	2	6	1	2	2	7	6	2	2	
411	84	6.7	3.03	+0.71	0.68	4th	16	0	0	2	3	13	0	0	8	0	1	4	1	10	0	6	
357	83	5.7	4.31	?	0.88	7th	17	0	0	1	6	12	0	5	3	4	7	3	3	2	3	0	
389	73	4.8	2.09	+0.10	0.65	22nd	18	0	0	3	11	8	2	1	1	2	7	0	2	9	6	2	
424	82	6.3	2.46	+0.49	0.60	7th	14	0	0	1	4	11	1	2	2	1	1	3	10	4	3	4	
438	87	4.5	1.00	-0.88	0.40	16th	7	0	0	0	9	7	0	3	3	0	5	4	4	4	5	2	
437	81	5.3	1.80	+0.21	0.45	4th	10	0	0	1	1	3	0	3	5	3	4	3	5	4	3	0	
423	95	8.5	3.75	?	0.55	16th	21	0	0	1	0	16	3	2	2	6	5	6	1	6	2	0	
403	84	7.0	3.23	+1.20	0.82	18th	15	0	0	0	1	10	1	3	2	3	1	2	3	6	10	0	
398	81	6.2	3.59	+0.74	0.71	16th	22	0	0	2	2	12	1	2	1	3	3	1	9	5	6	0	
382	79	7.0	2.15	-0.19	0.49	16th	14	0	0	4	2	12	0	1	0	2	4	0	3	5	3	12	
390	77	6.7	3.06	-0.28	0.42	6th	21	0	0	1	0	9	1	0	2	2	5	2	4	6	5	4	
419	81	5.4	1.66	-1.41	0.55	16th	8	0	0	0	0	5	2	5	0	1	4	6	3	2	9	0	
454	85	6.0	1.18	-0.58	0.38	4th	10	0	0	1	0	2	0	6	2	3	2	6	4	3	4	0	
425	78	5.7	2.52	+0.66	0.66	4th	14	0	0	4	4	7	0	1	2	4	5	3	4	8	3	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 1896.

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.	*	148'8	-36'3	28	-7	
GLENCARRON	47'3	59'7	53'5	-0'3	41	5th	74	15th	23	7'20	+2'13	1'70	19th	—	—	—	
FORT AUGUSTUS	49'5	62'0	55'8	+0'8	44	26th	81	15th	20	2'80	+0'59	0'48	4th	83'6	-48'9	16	-9
FORT WILLIAM	50'2	62'6	56'4	+1'5	46	5th, 6th	78	14th	20	4'79	+0'93	0'97	19th	129'3	-52'2	25	-10
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	125'6	-70'0	24	-13
BRAEMAR	47'5	61'7	54'6	+1'9	39	26th.	76	15th	19	2'99	+0'64	0'65	7th	148'9	-33'0	24	-7
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	133'7	-23'1	26	-4
OCHTERTYRE	49'8	66'8	58'3	+2'3	43	2nd	79	13th	20	4'47	+1'76	1'03	4th	—	—	—	—
MARCHMONT	48'7	64'2	56'5	+2'5	42	25th	78	15th, 16th	15	2'26	-0'24	0'60	4th	171'0	-10'1	33	-2
ALNWICK CASTLE	50'4	62'6	56'5	+2'3	43	6th	71	17th, 28th	15	1'78	-0'13	0'45	5th	—	—	—	—
DURHAM	49'7	69'7	59'7	+3'9	40	1st	83	16th	16	2'00	+0'11	0'63	4th	198'3	+29'3	39	+6
SCARBOROUGH	51'5	64'0	57'8	+2'2	46	1st	77	13th	16	1'46	-0'57	0'52	4th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	186'5	+24'5	37	+5
YORK	—	—	—	—	—	—	—	—	—	—	—	—	—	183'4	+10'4	36	+2
HILLINGTON	50'9	72'5	61'7	+4'1	39	1st	84	16th	13	2'31	+0'14	0'48	10th	237'8	+43'2	48	+9
GELDESTON	50'5	71'0	60'8	+3'7	33	1st	80	16th	9	1'80	+0'15	0'71	9th	269'1	+58'8	55	+12
CAMBRIDGE	—	—	—	—	—	—	—	—	—	—	—	—	—	244'8	+49'5	50	+10
ROTHAMSTED	51'2	70'8	61'0	+3'5	37	1st	81	2nd	12	2'10	-0'01	0'49	10th	200'9	+9'0	41	+2
HARROGATE	50'6	67'5	59'1	+2'8	41	1st	78	15th	13	4'83	?	1'12	4th	182'2	?	36	?
BAWTRY	†	72'1	†	†	†	†	86	16th	10	1'93	-0'32	0'63	4th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	177'9	+20'1	36	+4
STAMFORD (KETTON HALL).	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	6th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	199'8	+29'8	40	+6
CHEADLE	51'2	68'4	59'8	+4'2	45	22nd, 26th	82	16th	12	3'04	+0'19	0'64	24th	—	—	—	—
SHIRLEY (NR. SOLIHULL)	50'3	70'1	60'2	+2'4	43	1st	82	15th	18	3'06	?	0'93	9th	—	—	—	—
CHURCHSTOKE	49'7	69'2	59'5	+3'6	41	1st	82	15th	15	2'00	-0'21	0'69	24th	210'5	+21'7	42	+4
HEREFORD	51'3	72'6	62'0	+3'6	44	1st, 2nd	84	15th	13	1'87	-0'20	0'53	8th	—	—	—	—
CIRENCESTER	50'8	70'4	60'6	+3'8	41	1st, 2nd	82	15th	14	2'08	-0'14	0'30	3rd	225'5	+32'5	46	+7
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	218'4	+26'3	44	+5
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	216'7	+37'6	44	+8
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	208'6	+27'0	43	+6
HASTINGS	54'5	68'7	61'6	+4'0	48	1st	80	15th	12	3'16	+1'55	1'19	16th	261'8	+35'2	54	+8
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	260'1	+42'7	53	+8
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	287'3	+65'5	59	+14
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	—	254'0	+44'2	52	+9
SOUTHAMPTON	53'6	72'9	63'3	+3'9	43	1st	84	15th	13	1'79	-0'06	0'59	4th	244'9	+34'8	50	+7
STOWELL	51'1	69'5	60'3	+2'6	42	1st	82	15th	16	1'97	-0'16	0'39	4th	—	—	—	—
LAUDALE	51'0	63'5	57'3	+1'8	42	2nd	80	14th	23	4'31	+0'09	0'90	19th	—	—	—	—
GLASGOW	50'8	64'0	57'4	+1'8	44	1st	79	15th	18	4'38	+1'71	1'25	4th	138'6	-28'7	27	-5
GLENLEE	47'7	67'2	57'5	+2'3	37	1st	81	14th	18	3'69	+0'61	0'89	4th	—	—	—	—
DOUGLAS	50'1	66'1	58'1	+2'9	40	1st	77	14th	15	3'07	+0'89	0'84	16th	234'4	+13'3	46	+2
STONYHURST	52'0	67'0	59'5	+3'0	44	26th	80	15th	15	3'59	+0'37	0'71	4th	210'6	+18'6	42	+4
BLACKPOOL	52'9	68'4	60'7	+4'1	45	1st, 2nd	83	15th	13	2'26	+0'17	0'75	22nd	202'4	+9'8	40	+2
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	193'1	?	38	?
MANCHESTER (PRESTWICH).	51'6	69'2	60'4	+3'7	42	1st	83	15th	14	2'60	-0'34	0'44	4th	172'9	?	34	?
MANCHESTER (OLDHAM ROAD).	—	—	—	—	—	—	—	—	—	—	—	—	—	174'5	?	35	?
LLANDUDNO	53'9	66'6	60'3	+2'9	45	1st	80	15th	16	2'17	+0'29	0'60	4th	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	230'2	?	46	?
LLANDOVERY	49'8	72'7	61'3	+4'2	39	18th	87	15th	16	2'80	-0'02	0'59	9th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	257'2	+22'5	52	+4
CLIFTON	55'6	71'4	63'5	+5'5	50	22nd	84	15th	12	1'32	-0'87	0'32	17th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	255'5	+21'2	52	+4
ARLINGTON	51'1	67'8	59'5	+3'5	42	23rd	83	15th	13	2'84	-0'13	0'55	8th	—	—	—	—
CULLOMPTON	50'9	71'4	61'2	+3'2	40	1st	83	15th	10	2'19	0'00	0'43	8th	215'2	+14'7	44	+3
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	266'0	+31'1	55	+6
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	247'7	+18'3	51	+4
FALMOUTH	54'2	66'7	60'5	+3'0	48	1st	79	15th	11	1'16	-1'32	0'49	16th	267'3	+37'6	55	+8
PLYMOUTH	54'7	67'2	61'0	+2'0	44	1st	81	14th, 15th	8	1'69	-0'28	0'64	16th	277'8	+69'8	57	+14
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	277'4	?	57	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	294'5	+44'9	61	+9
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	272'9	+29'8	57	+6
LONDONDERRY	51'2	69'6	60'4	+3'4	44	22nd	84	14th	23	3'90	+1'40	0'60	16th	—	—	—	—
EDENFEE (OMAGH)	48'8	66'6	57'7	+2'5	42	1st, 19th, 26th	79	14th, 15th	20	3'39	+0'86	0'92	16th	—	—	—	—
MARKREE CASTLE	49'7	65'8	57'8	+2'7	38	1st	78	14th	22	3'46	+0'52	0'59	15th	169'7	-2'5	34	0
ARMAGH	50'2	67'1	58'7	+2'6	44	1st	81	15th	18	3'18	+1'01	0'72	16th	157'3	-20'8	31	-4
EDGEWORTHSTOWN	49'4	66'8	58'1	+1'3	43	9th, 26th	82	14th	15	2'99	+0'21	0'71	22nd	—	—	—	—
ARLEY COTTAGE (CO. CAVAN).	—	—	—	—	—	—	—	—	—	—	—	—	—	161'5	-22'2	32	-4
DUBLIN	54'4	68'3	61'4	+3'7	49	1st, 19th	81	15th	14	1'88	+0'02	0'70	16th	227'1	+31'4	46	+7
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	184'4	+10'7	37	+2
KILKENNY CASTLE	50'3	68'3	59'3	+2'2	41	1st	82	15th	12	2'71	+0'49	1'16	16th	—	—	—	—
VALENCIA (CAHIR-CIVREEN).	*	*	*	*	*	*	*	*	*	*	*	*	*	214'9	+11'5	44	+3
KILLARNEY	50'0	66'5	58'3	+1'7	41	4th	80	14th	19	2'84	?	0'64	15th	—	—	—	—
FOYNES	51'9	66'1	59'0	+2'3	45	3rd, 4th	75	13th, 14th	15	2'88	?	0'95	15th	—	—	—	—

* For information, see Table XI.

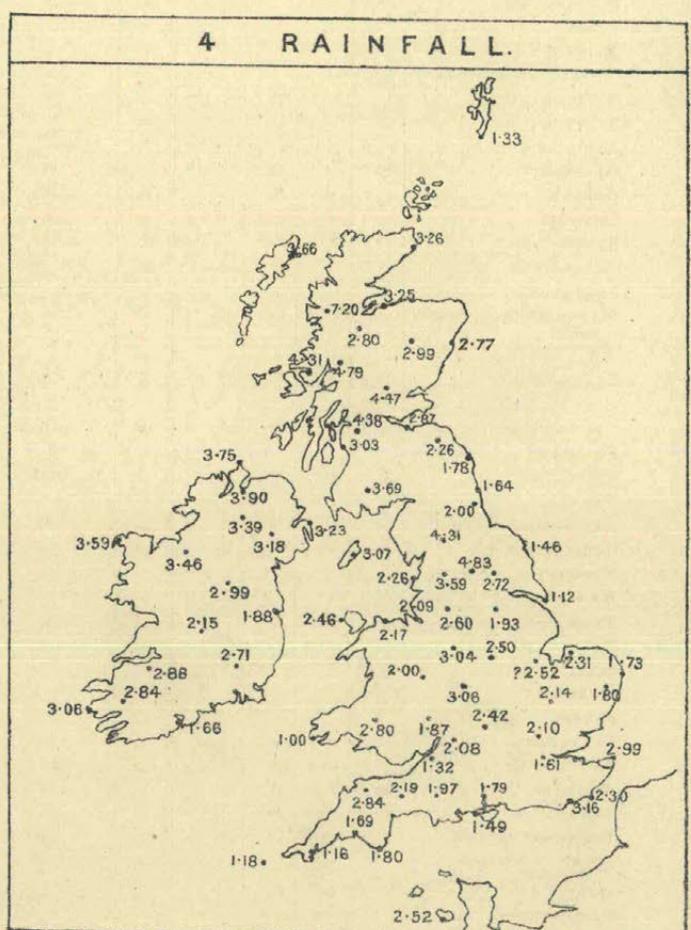
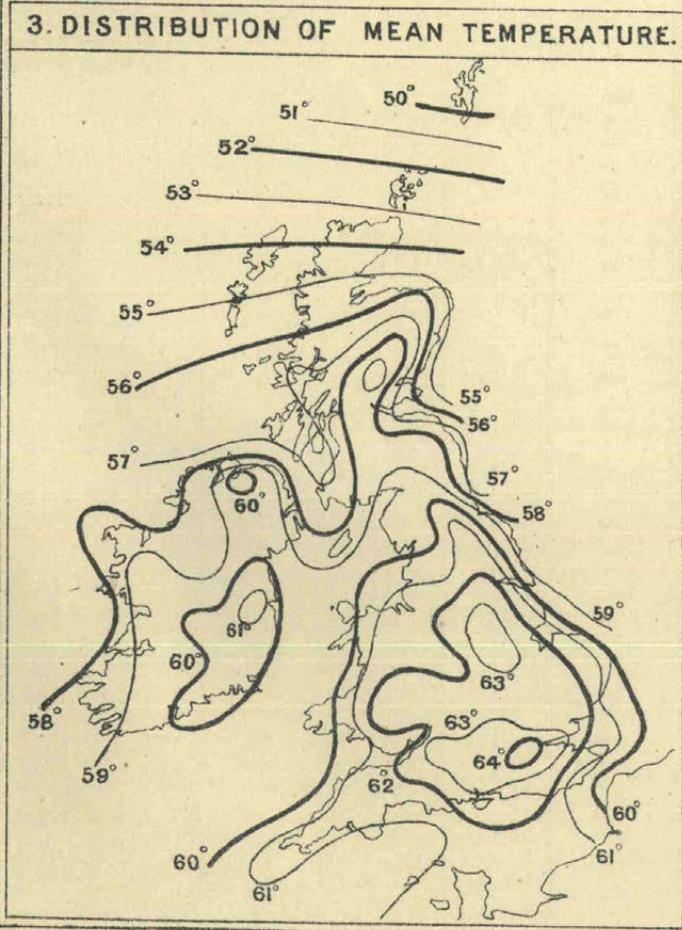
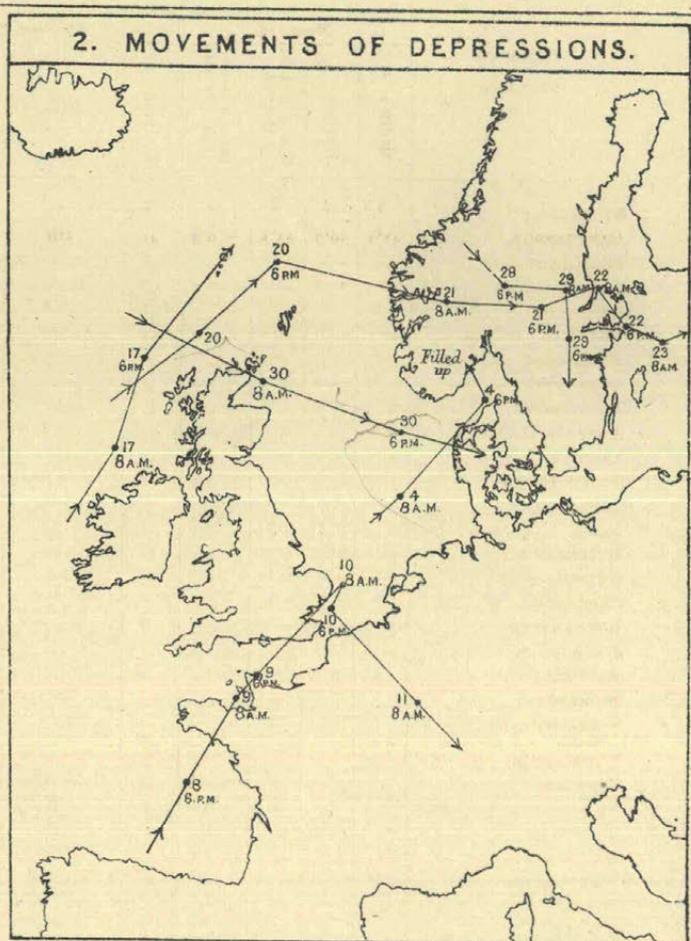
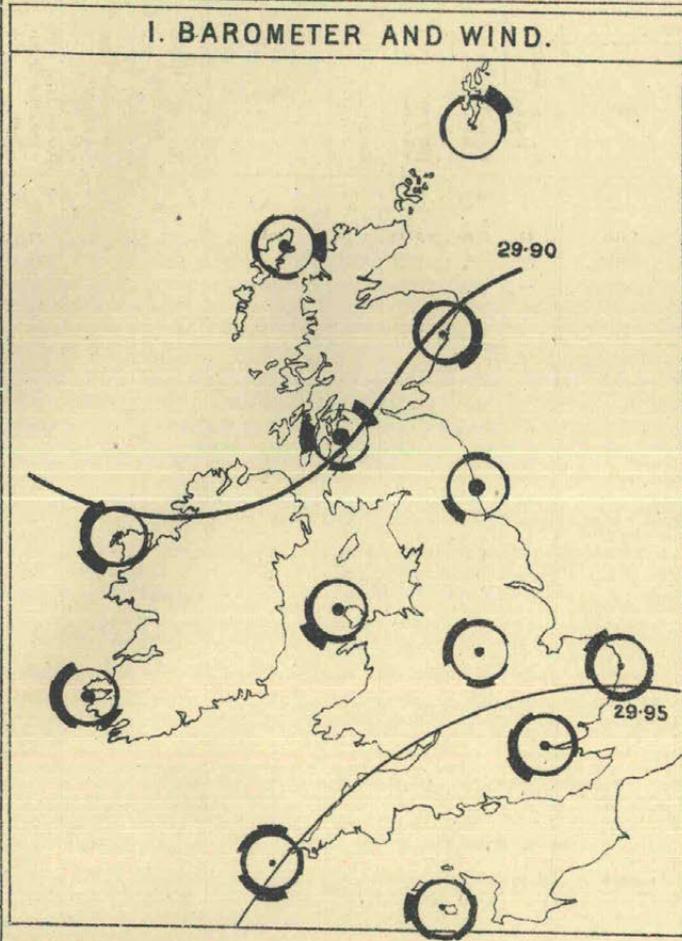
† Minimum thermometer out of order.

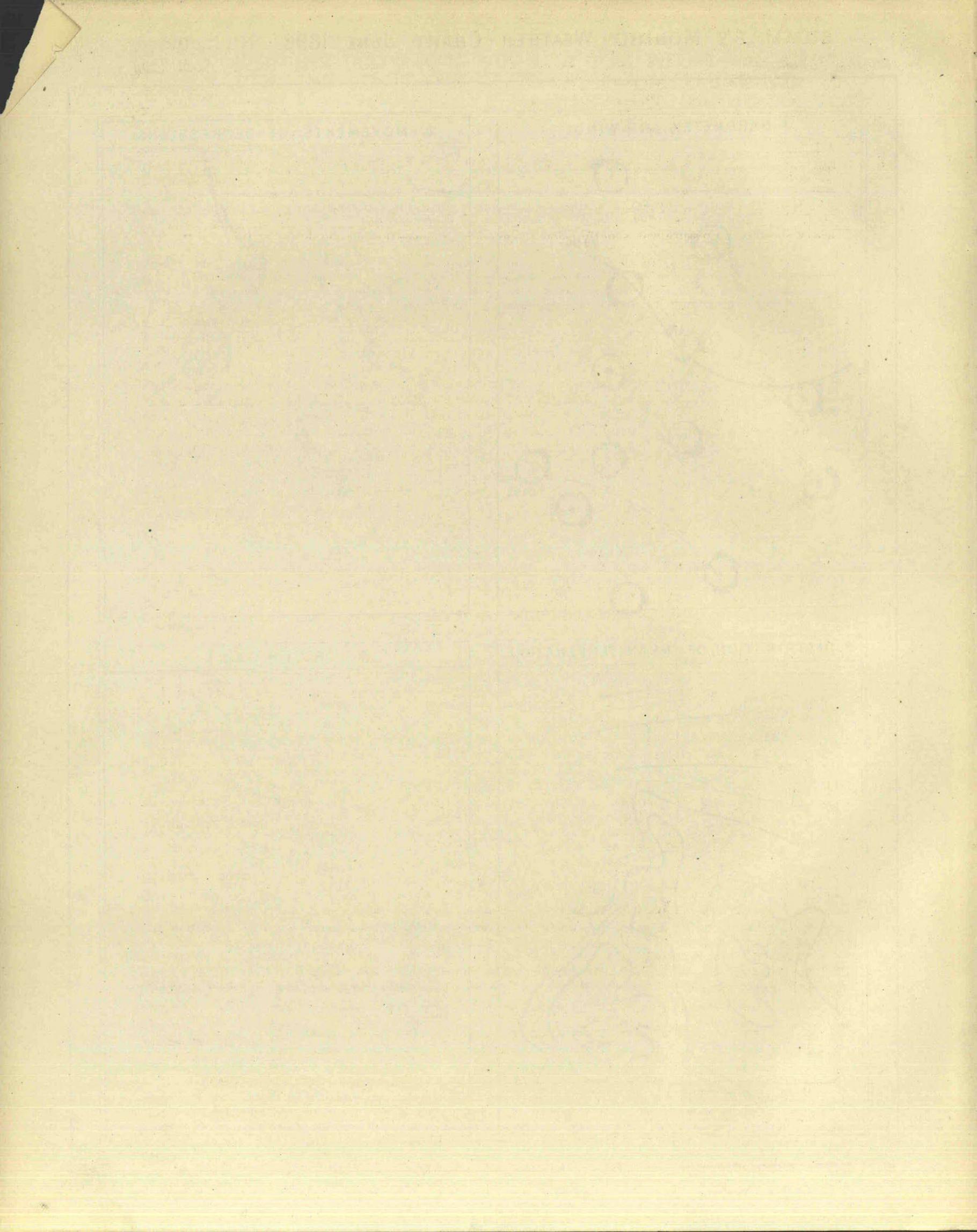
‡ Observations incomplete.

MONTHLY WEATHER CHART JUNE 1896.

Monthly Summary.

Plate VI.





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

JULY 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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.—During the early and latter parts of the month the weather was in an unsettled state generally; there were smart thunderstorms in places, and heavy falls of rain in many of the western and northern districts. The middle portion of the time was, however, mostly fine and warm, the rainfall being slight, and confined, as a rule, to the extreme northern and north-western stations. Pressure and temperature were above the average; the winds varied greatly, both in direction and force; rainfall was in excess of the average in most parts of Ireland, Scotland, and Wales, but was deficient over England; bright sunshine was fairly abundant, excepting in Ireland and the west and north of Scotland.

Pressure.—*Mean at 8 a.m.* ranged from 30·05 ins. and upwards over the western parts of the English Channel to very little above 29·90 ins. in the Shetlands and Hebrides. The mean distribution of pressure agreed very closely with the normal, but the actual values were above the average,* and as the excess was greatest (0·12 in. to 0·14 in.) in the extreme north, the gradient for Westerly winds was slighter than usual. *Highest* readings were observed on the 16th or 17th, when the barometer rose to 30·2 ins. and upwards over the entire kingdom, to 30·3 ins. and upwards in all our more western and northern districts, and to 30·4 ins. and upwards over the southern half of Ireland. *Lowest* readings were recorded on the 25th or 26th, the mercury falling below 29·5 ins. at most of our western and northern stations, and below 29·7 ins. in nearly all other parts of the kingdom. *Range* was moderate.

Depressions.—During the first week or so the depressions observed, though somewhat numerous for the time of year, were shallow, and too irregular in their movements to admit of the tracks being laid down on the accompanying map. Towards the close of the month, however, two systems of a more definite character were observed. The first of these advanced from the south-westward, and after passing in a northerly direction over our western coasts, moved eastwards across the northern parts of Scotland to the south of Norway. The second appeared off our extreme north-west coasts, and subsequently travelled south-eastwards across Ireland and the south-west of England to the north-west of France, where it quickly dispersed.

Anticyclones.—The only anticyclone of anything like a lasting character was that which spread over western Europe from the Atlantic on the 10th. With the exception of a slight break in the north on the 14th, this system remained in force until the 18th or 19th, when it moved southward and dispersed. On the 5th an anticyclone spread over us from the southward, while on the 27th a similar extension took place from the westward, but in each case the system quickly broke up.

Winds were very variable over the United Kingdom generally, but at the English stations there was a slight preponderance of breezes from the Westward. On isolated parts of our north and north-west coasts gales were rather numerous for the time of year; at Aberdeen and Belmullet they occurred on four days, and at Malin Head on as many as seven.

Temperature.—*Mean at sea level* ranged from 66° in London and 64° or more at several inland stations in the south and east of England to 56° or less in the north of Scotland generally, and to a little below 54° in the Shetlands. The general distribution over our islands was fairly normal, but at the English stations the actual values were above the average,* the excess being greatest in the south. In many parts of Scotland and the north of Ireland there was a slight deficit. *Highest* readings occurred at various times in the different districts, but mostly between the 11th and 13th, or between the 19th and 21st. Over the western parts of the kingdom the absolute maxima were, as a rule, below 75°, but at nearly all the more eastern, central, and southern stations the thermometer exceeded 80°, while in London and at Cambridge it reached 88°. *Lowest* readings occurred mostly on the 28th or 29th, when the sheltered thermometer fell below 40° at several inland stations in the north, and reached a minimum of 35° at Braemar. *Range* was moderate generally. *Vapour Tension* ranged from 0·48 in. at Scilly, and 0·45 in. or more on our southern coasts generally, to 0·40 in. or less over the northern parts of Great Britain, and to 0·36 in. at Stornoway and Aberdeen. *Relative Humidity* varied from 92 per cent. at Sumburgh Head and 91 per cent. at Malin Head, to 72 per cent. at Jersey, and to only 66 per cent. in London.

Rainfall was in excess of the average* in most parts of Ireland and Scotland, as well as at neighbouring English and Welsh stations, the amount over the Irish Sea and the north of Ireland being in several cases more than twice the normal. Over England, however, there was a deficiency,—again largest at the central and southern stations, where the total fall was, as a rule, less than half the average. The highest aggregates recorded were 7·4 ins. at Edgeworthstown, 7·2 ins. at Donaghadee, 7·1 ins. at Armagh, and 7·0 ins. at Glenlee; the smallest being 0·6 in. at Dungeness, 0·7 in. at Cirencester and Southampton, and 0·8 in. at Yarmouth, Cambridge, and Hereford. Falls exceeding an inch in 24 hours were registered on various occasions in the west and north, the heaviest of all being 2·4 ins. at Edgeworthstown, and 2·1 ins. at Armagh (both on the 8th), and 2·0 ins. at Dublin (on the 24th).

Bright Sunshine was rather deficient in Ireland and the west and north of Scotland, but exceeded the average* in all other parts of the kingdom. The per-centage of the possible duration ranged from 59 at Guernsey and 50 or more at the English Channel Stations generally, to 25 or less in many parts of Ireland and the west of Scotland, to 18 at Stornoway, and to 16 at Fort Augustus.

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; and *Bright Sunshine* for the 15 years, 1881–95.

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 Average from	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°912	in. +0°123	53°5	48°8	57°5	53°2	+0°3	44	11th, 24th	63	14th
	Wick	29°957	+1°144	56°1	48°9	61°9	55°4	+0°1	38	25th	72	19th
	Stornoway	29°927	+1°127	54°6	49°0	59°6	54°3	-0°3	42	28th	66	29th
1. SCOTLAND, E.	Nairn	29°936	+1°119	56°8	48°2	64°5	56°4	-1°1	40	25th	75	20th
	Aberdeen	29°958	+1°127	57°3	50°1	63°3	56°7	-0°5	41	3rd	78	19th
	Leith	29°960	+1°114	59°1	51°9	66°3	59°1	+0°3	44	28th	77	20th
2. ENGLAND, N.E.	Shields	29°977	+1°111	59°8	51°8	65°9	58°9	+1°0	45	28th	80	20th
	York	30°004	+1°105	59°5	52°1	71°4	61°8	+1°6	45	17th	86	20th
	Spurn Head	29°992	+1°100	61°7	55°4	66°6	61°0	+1°1	51	11th	75	9th, 24th
3. ENGLAND, E.	Yarmouth	30°000	+0°977	62°2	55°5	67°2	61°4	+0°9	47	3rd	72	21st, 26th
	Cambridge	30°027	+0°993	61°7	52°1	75°7	63°9	+2°0	44	23rd	88	14th, 21st
4. MIDLAND COUNTIES	Loughborough	30°027	+1°100	60°9	52°6	72°8	62°7	+0°9	44	6th, 28th	84	13th
	Oxford	30°036	+0°993	61°3	53°6	72°9	63°3	+1°9	44	29th	83	13th, 20th, 21st
5. ENGLAND, S.	London	30°037	+0°884	64°4	54°9	76°4	65°7	+2°7	46	29th	88	21st
	North Foreland	30°032	+0°882	63°2	57°3	69°5	63°4	+2°8	51	2nd, 3rd	82	9th
	Dungeness	30°017	+0°867	63°5	55°4	68°9	62°2	+0°8	45	18th	77	20th
	Hurst Castle	30°048	+0°885	64°2	56°9	71°1	64°0	+2°4	49	29th	78	15th
6. SCOTLAND, W.	Ardrossan	29°963	+1°107	57°7	52°5	62°9	57°7	-0°4	47	28th	70	28th
7. ENGLAND, N.W.	Hawes Junction*	28°769	?	54°0	48°1	62°2	55°2	?	40	28th	72	13th
	Liverpool	30°006	+1°101	60°7	54°8	67°4	61°1	+1°1	50	17th, 29th	74	9th, 11th
	Holyhead	30°014	+1°105	58°6	54°1	63°2	58°7	-0°3	51	2nd, 22nd, 23rd, 28th.	69	11th
8. ENGLAND, S.W.	Pembroke	30°033	+1°100	59°3	55°4	63°6	59°5	+0°9	52	1st, 8th	68	20th, 21st, 31st
	Pravle Point	30°051	+0°974	63°2	55°3	67°8	61°6	+2°5	50	28th	79	15th
9. IRELAND, N.	Malin Head	29°952	+1°101	56°8	53°4	60°8	57°1	-0°1	49	28th	70	13th
	Donaghadee	29°998	+1°118	57°6	51°9	63°5	57°7	0°0	44	28th	72	19th
	Belmullet	29°995	+1°106	57°9	54°6	61°5	58°1	+0°1	50	16th	65	5th, 12th, 13th
10. IRELAND, S.	Parsonstown	30°022	+1°108	57°6	52°2	65°5	58°9	+0°1	41	10th	75	5th
	Valencia (Cahiriveen)	30°045	+1°108	59°5	54°2	63°5	58°9	+0°1	43	28th	68	5th
	Roche's Point	30°043	+1°110	59°6	54°7	66°2	60°5	+0°9	49	28th	71	31st
CHANNEL ISLANDS	Scilly	30°044	+0°975	62°7	57°9	67°0	62°5	+2°2	55	28th	72	20th
	Jersey	30°074	+0°976	65°3	57°6	71°3	64°5	+2°2	47	29th	82	20th

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

SUMMARY OF OBSERVATIONS, JULY 1896.

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REPORTING STATIONS in the BRITISH ISLANDS during the Month of JULY 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.			Date.	WEATHER, No. of Days of							WIND, No. of Observations of								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.		Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
0.376	92	8.4	ins. 3.08	+0.72	0.70	25th	18	0	0	0	0	22	0	5	5	1	3	1	2	4	4	6
.410	90	8.0	4.16	+1.64	1.09	25th	19	0	0	0	2	17	1	2	1	6	2	6	0	3	9	2
.364	85	8.6	3.58	+0.50	0.85	25th	15	0	0	0	1	23	1	4	0	6	0	5	8	5	1	2
.391	84	6.8	3.24	+0.51	0.74	25th	18	0	0	0	1	12	0	1	0	2	1	0	0	11	1	15
.358	76	6.5	3.15	+0.31	1.01	25th	18	0	0	0	0	7	4	4	3	1	6	5	1	3	8	0
.390	77	8.2	3.64	+0.84	0.83	8th	19	0	0	0	1	20	0	3	3	4	1	1	8	8	1	2
.397	77	7.4	2.36	-0.33	0.83	24th	11	0	0	2	2	12	0	5	3	3	2	4	7	4	1	2
.398	79	5.7	1.57	-1.21	0.41	9th	12	0	0	1	10	12	0	8	0	5	1	6	2	6	3	0
.457	84	6.3	2.20	+0.42	1.28	26th	8	0	0	3	2	7	3	5	2	3	3	3	3	5	6	1
.430	77	3.3	0.78	-2.11	0.35	7th	10	0	0	2	18	1	1	3	2	2	4	5	3	4	8	0
.414	76	5.6	0.76	-1.86	0.22	7th	9	0	0	2	11	13	0	4	2	0	3	7	4	5	6	0
.420	80	6.0	2.49	+0.14	1.20	7th	12	0	0	2	5	8	3	4	2	1	5	4	2	8	3	2
.407	75	5.7	1.40	-1.29	0.82	7th	11	0	0	1	11	13	0	3	2	1	2	5	8	6	4	0
.405	66	5.3	1.16	-1.32	0.54	26th	7	0	0	2	10	9	1	4	4	0	6	1	3	8	4	1
.429	74	6.1	1.25	?	0.35	16th	7	0	0	1	1	8	0	3	1	6	4	3	2	6	6	0
.456	78	5.7	0.58	-1.47	0.15	26th	9	0	0	3	2	6	0	6	3	3	1	5	3	4	5	1
.455	76	5.2	1.03	-1.36	0.35	31st	6	0	0	1	3	4	0	3	6	1	0	2	7	6	1	5
.411	86	7.4	4.51	+1.65	0.92	8th	20	0	0	0	4	17	1	2	5	2	1	3	4	9	4	1
.363	87	7.4	5.27	?	1.36	9th	14	0	0	1	1	16	0	5	0	8	2	6	5	4	1	0
.382	72	6.1	2.55	-0.44	0.49	23rd	13	0	0	1	9	11	1	1	1	3	7	1	2	11	3	2
.442	90	7.4	5.48	+3.11	1.24	9th	15	0	0	1	1	16	3	6	0	1	2	5	9	3	5	0
.448	89	7.2	3.78	+1.25	1.38	24th	12	0	0	0	3	19	1	1	3	1	1	5	7	3	6	4
.471	81	6.2	1.18	-1.21	0.85	24th	10	0	0	0	0	5	0	2	6	4	3	3	6	5	2	0
.423	91	7.6	4.33	?	1.46	25th	21	0	0	0	1	15	7	6	1	2	3	6	4	6	3	0
.418	87	7.6	7.23	+4.41	1.39	8th	22	0	0	0	2	15	1	4	4	1	1	1	6	8	6	0
.400	83	7.6	4.41	+0.82	1.15	8th	20	0	0	0	2	19	4	5	4	0	0	4	6	8	4	0
.392	82	7.7	5.29	+2.31	1.79	24th	17	0	0	0	1	18	0	1	0	0	2	5	4	4	3	12
.413	81	9.2	4.14	-0.09	0.69	23rd	20	0	0	0	0	24	1	8	2	1	4	6	2	3	4	1
.417	82	5.7	3.35	+0.17	0.86	23rd	12	0	0	0	0	8	1	10	0	0	2	3	6	4	6	0
.484	85	6.5	2.17	-0.30	1.15	24th	13	0	0	0	1	7	1	8	2	2	0	4	5	5	5	0
.447	72	5.5	0.88	-1.66	0.24	2nd	9	0	0	2	8	11	0	1	4	3	4	2	4	7	5	1

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 1896.

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.	°	98.1	-45.5	18	°	9
GLENCARRON	47.7	60.9	54.3	-0.9	40	28th	71	11th	20	4.02	-2.04	0.90	25th	—	—	—	—
FORT AUGUSTUS	49.8	65.0	57.4	+0.5	39	28th	74	13th	19	2.09	-1.10	0.73	25th	84.0	-4.0	16	-1
FORT WILLIAM	50.4	62.7	56.6	-0.4	42	24th, 28th	70	13th	20	3.74	-1.55	0.61	25th	135.0	+10.5	26	+2
ABRDEEN	°	°	°	°	°	°	°	°	°	°	°	°	159.6	-1.2	30	-1	—
BRAEMAR	47.5	62.1	54.8	-0.1	35	24th	74	18th	15	3.23	+0.32	1.06	25th	145.5	+4.8	28	+1
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	145.5	+7.8	28	+1	—
OCHTERTYRE	49.7	66.9	58.3	-0.2	38	27th	76	13th, 18th	17	3.80	+0.53	1.68	25th	—	—	—	—
MARCHMONT	49.2	65.0	57.1	+0.1	40	27th	81	12th	16	3.55	+0.05	0.98	25th	165.5	+1.0	32	0
ALNWICK CASTLE	51.3	64.7	58.0	+0.4	41	28th	73	21st, 22nd	16	2.79	-0.10	0.78	26th	—	—	—	—
DURHAM	50.2	69.8	60.0	+0.7	42	28th	83	20th	11	2.51	-0.53	0.76	24th	179.1	+21.8	35	+4
SCARBOROUGH	53.2	66.0	59.6	+0.3	47	3rd, 23rd	83	20th	12	2.02	-0.82	1.04	26th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	164.4	+12.0	33	+3	—
YORK	—	—	—	—	—	—	—	—	—	—	—	—	160.5	-2.8	32	0	—
HILLINGTON	51.3	73.6	62.5	+1.5	41	3rd	85	14th	11	2.61	-0.43	0.94	7th	226.4	+39.3	45	+8
GELDESTON	51.3	72.6	62.0	+1.1	40	12th, 29th	85	21st	9	1.05	-1.64	0.35	7th	255.7	+54.7	52	+11
CAMBRIDGE	—	—	—	—	—	—	—	—	—	—	—	—	231.7	+42.1	47	+9	—
ROTHAMSTED	51.4	73.1	62.3	+1.5	42	23rd, 29th	84	14th, 21st	9	1.17	-1.66	0.72	26th	203.6	+2.9	41	0
HARROGATE	51.1	67.7	59.4	+0.1	43	17th	79	20th	12	1.67	?	0.35	25th	151.5	?	30	?
BAWTRY	50.3	73.0	61.7	+1.2	42	28th	86	20th	13	1.69	-1.09	1.02	26th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	145.7	-10.1	29	-2	—
STAMFORD (KETTON HALL)	†50.8	†73.8	†62.3	†0.6	†40	29th	†85	13th	12	1.80	-0.91	0.58	7th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	186.7	+24.6	37	+5	—
CHEADLE	51.3	68.3	59.8	+1.5	43	28th	80	20th	12	1.04	-2.18	0.26	25th	—	—	—	—
SHIRLEY (NEAR SOLIHULL)	51.1	70.6	60.9	+0.3	42	29th	82	13th, 20th	13	1.72	?	0.52	7th	—	—	—	—
CHURCHSTOKE	49.8	69.7	59.8	+1.4	39	28th	82	20th	13	2.03	-0.50	0.60	9th	200.2	+30.7	40	+6
HEREFORD	50.6	73.0	61.8	+1.0	40	28th	83	6th, 13th, 20th	12	0.82	-1.54	0.20	25th	—	—	—	—
CIRENCESTER	50.6	72.4	61.5	+1.8	39	29th	84	20th	13	0.65	-2.43	0.17	1st	214.0	+32.5	43	+6
OXFORD	—	—	—	—	—	—	—	—	—	—	—	—	209.1	+23.6	42	+4	—
LONDON	—	—	—	—	—	—	—	—	—	—	—	—	213.1	+41.4	43	+8	—
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	228.3	+36.8	47	+8	—
HASTINGS	54.7	70.0	62.4	+1.5	47	2nd	80	21st	10	1.42	-0.97	0.40	26th	263.1	+42.6	54	+9
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	265.6	+46.2	54	+9	—
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	254.7	+36.6	52	+7	—
WESTBOURNE (SUSSEX)	—	—	—	—	—	—	—	—	—	—	—	—	261.2	+52.4	53	+10	—
SOUTHAMPTON	54.9	74.6	64.8	+2.5	46	29th	86	21st	7	0.69	-2.12	0.25	26th	242.9	+38.4	50	+8
STOWELL	52.6	71.5	62.1	+2.5	44	29th	82	20th	14	1.21	-1.73	0.29	24th, 25th	—	—	—	—
LAUDALE	50.1	62.7	56.4	-1.0	41	24th	72	13th	24	4.73	-0.63	0.82	26th	—	—	—	—
GLASGOW	51.0	63.3	57.2	-0.5	43	28th	72	11th, 13th	16	4.15	+0.75	1.07	8th	120.6	-18.9	23	-4
GLENLEE	49.9	64.4	57.2	-0.8	37	28th	71	13th	19	7.01	+2.86	1.70	29th	—	—	—	—
DOUGLAS	52.0	63.1	57.6	+0.1	46	22nd, 28th	68	19th	18	5.98	+2.99	1.75	8th	162.6	-34.4	32	-7
STONYHURST	52.2	65.9	59.1	+0.2	43	28th	74	13th	16	2.59	-1.85	0.63	9th	191.1	+22.8	38	+5
BLACKPOOL	52.6	67.5	60.1	+0.4	43	17th	73	11th	10	4.15	+1.00	1.23	9th	178.0	+1.4	35	0
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	171.3	?	34	?	—
MANCHESTER (PRESTWICH)	51.7	68.6	60.2	+1.1	40	28th	80	20th	15	2.76	-1.10	0.88	9th	105.0	?	33	?
„ (OLDHAM RD.)	—	—	—	—	—	—	—	—	—	—	—	—	152.9	?	31	?	—
LLANDUDNO	55.2	66.8	61.0	+0.9	49	8th	73	19th, 20th	14	2.97	+0.31	0.92	9th	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	209.7	?	42	?	—
LLANDOVERY	50.5	73.1	61.8	+2.5	40	28th	83	20th	14	1.97	-2.15	0.45	25th	—	—	—	—
PEMBROKE	—	—	—	—	—	—	—	—	—	—	—	—	209.1	+9.4	42	+2	—
CLIFTON	56.1	70.6	63.4	+2.4	50	17th, 28th, 29th	82	20th	9	0.92	-2.38	0.20	23rd	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	241.7	+44.3	49	+9	—
ARLINGTON	52.8	67.5	60.2	+1.2	44	28th	79	20th	13	2.78	-2.08	0.96	8th	—	—	—	—
CULLOMPTON	51.9	72.3	62.1	+0.8	42	28th	82	13th	10	1.92	-1.23	0.87	23rd	193.7	+19.6	40	+4
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	242.9	+40.7	50	+8	—
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	216.2	+8.1	45	+2	—
FALMOUTH	56.3	68.0	62.2	+2.0	52	27th	74	13th	14	2.33	-0.99	0.98	24th	230.5	+16.4	48	+4
PLYMOUTH	55.2	67.5	61.4	0.0	48	28th	77	7th	14	1.64	-1.33	0.96	24th	231.0	+38.1	48	+8
SCILLY	—	—	—	—	—	—	—	—	—	—	—	—	255.1	?	53	?	—
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	282.3	+47.7	59	+10	—
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	257.4	+27.4	54	+6	—
LONDONDERRY	51.5	65.7	58.6	0.0	44	28th	76	13th, 31st	25	4.78	+1.27	0.79	25th	—	—	—	—
EDENFEL (OMAGH)	50.4	62.2	56.3	-0.8	37	27th	70	13th	20	4.63	+1.22	0.90	8th	—	—	—	—
MARKREE CASTLE	50.7	63.9	57.3	+0.1	37	28th	71	11th, 30th	22	4.69	+0.93	1.48	8th	107.7	-20.6	21	-4
ARMAGH	49.9	64.9	57.4	-0.8	40	28th	73	11th, 12th	22	7.10	+3.92	2.11	8th	100.8	-39.8	20	-8
EDGEWORTHSTOWN	48.4	64.6	56.5	-1.3	40	10th	74	11th	17	7.41	+3.76	2.43	8th	—	—	—	—
ARLEY COTTAGE (COUNTY CAVAN)	—	—	—	—	—	—	—	—	—	—	—	—	118.3	-30.9	23	-7	—
DUBLIN	54.5	67.2	60.9	+0.9	45	28th	77	13th	18	5.47	+3.01	2.02	24th	162.9	+1.6	33	+1
PARSONSTOWN	—	—	—	—	—	—	—	—	—	—	—	—	124.5	-12.0	25	-2	—
KILKENNY CASTLE	51.5	67.4	59.5	+0.1	40	29th	74	19th	14	4.01	+1.40	1.39	8th	—	—	—	—
VALNCIA (CAHIR-CIVEEN)	—	—	—	—	—	—	—	—	—	—	—	—	135.7	-18.1	27	-4	—
KILLARNEY	51.6	65.4	58.5	-0.2	40	10th, 28th	71	31st	21	6.05	?	1.96	8th	—	—	—	—
FOYNES	53.4	65.3	59.4	+1.4	43	27th	74	11th	18	4.58	?	1.49	8th	—	—	—	—

* For information, see Table XIII.

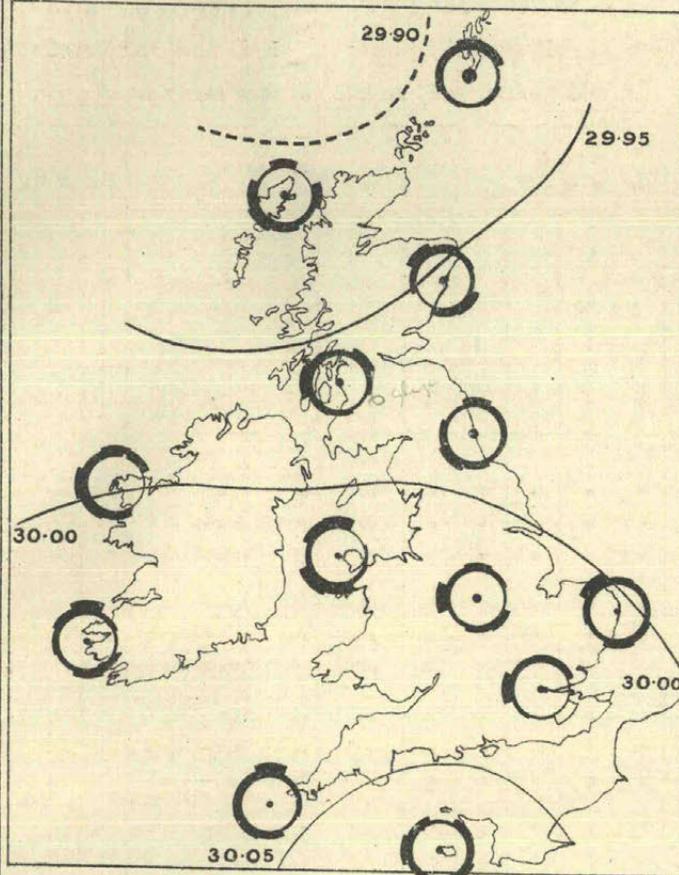
† Fair days interpolated.

MONTHLY WEATHER CHART, JULY 1896.

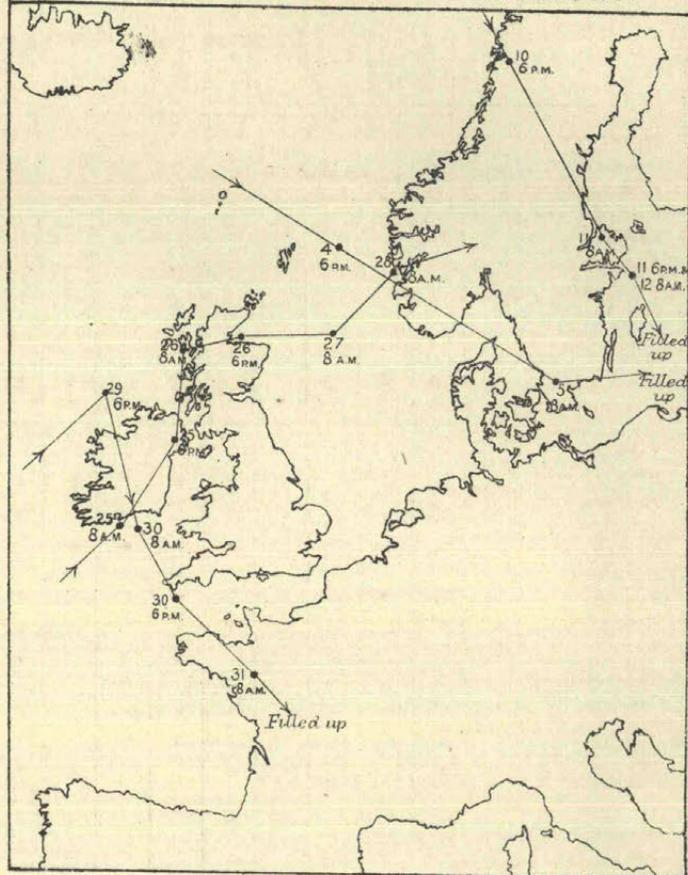
Monthly Summary.

Plate VII.

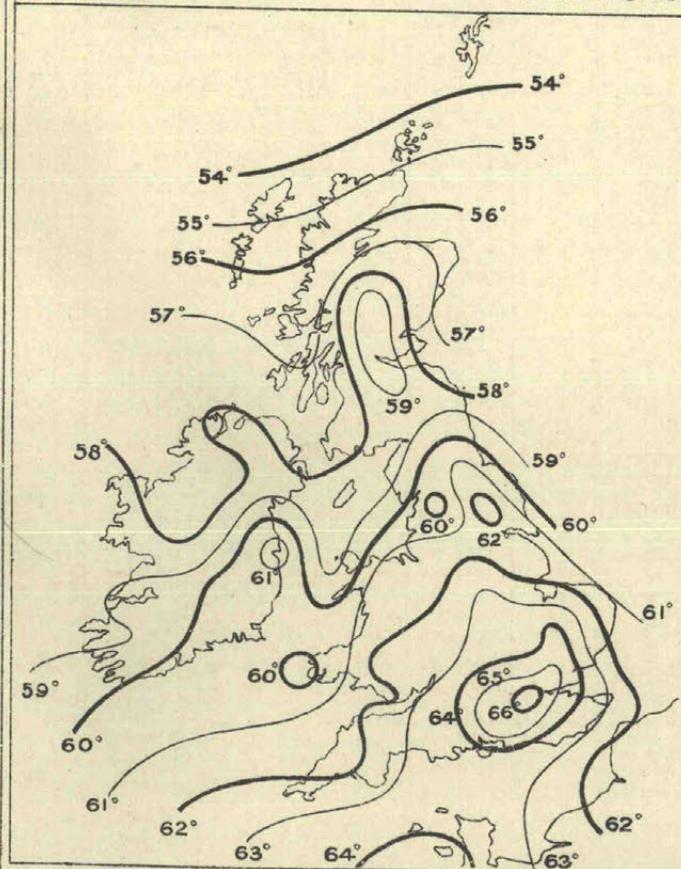
I. BAROMETER AND WIND.



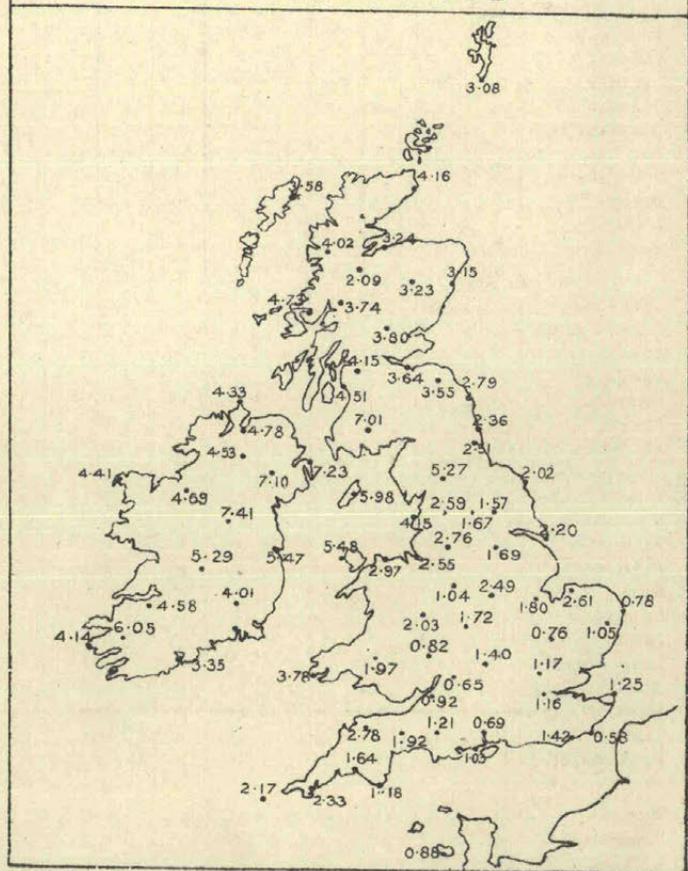
2. MOVEMENTS OF DEPRESSIONS.



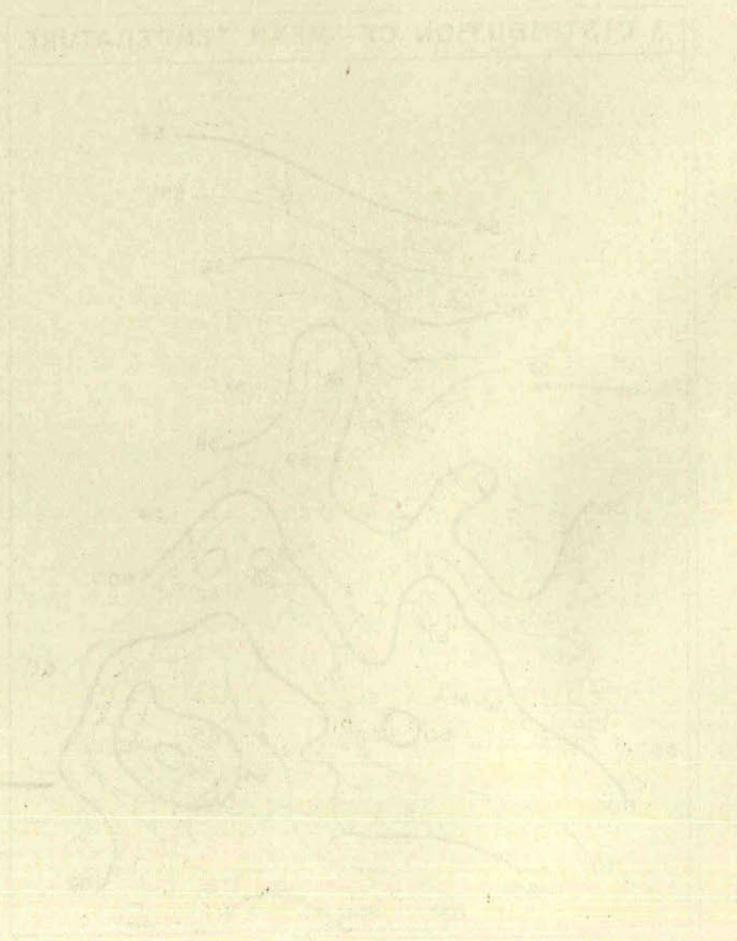
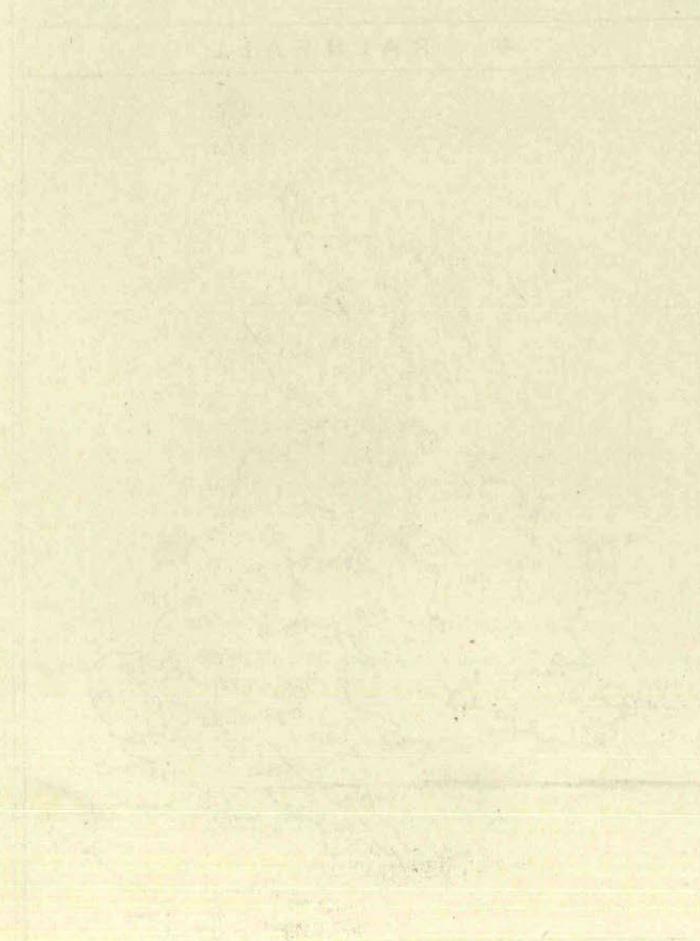
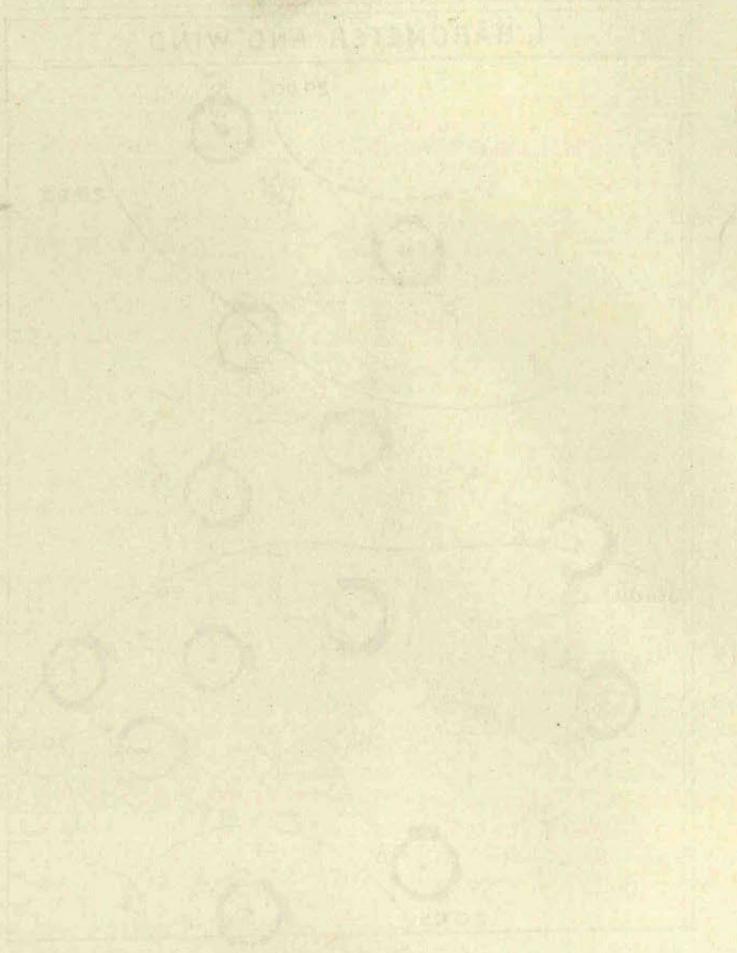
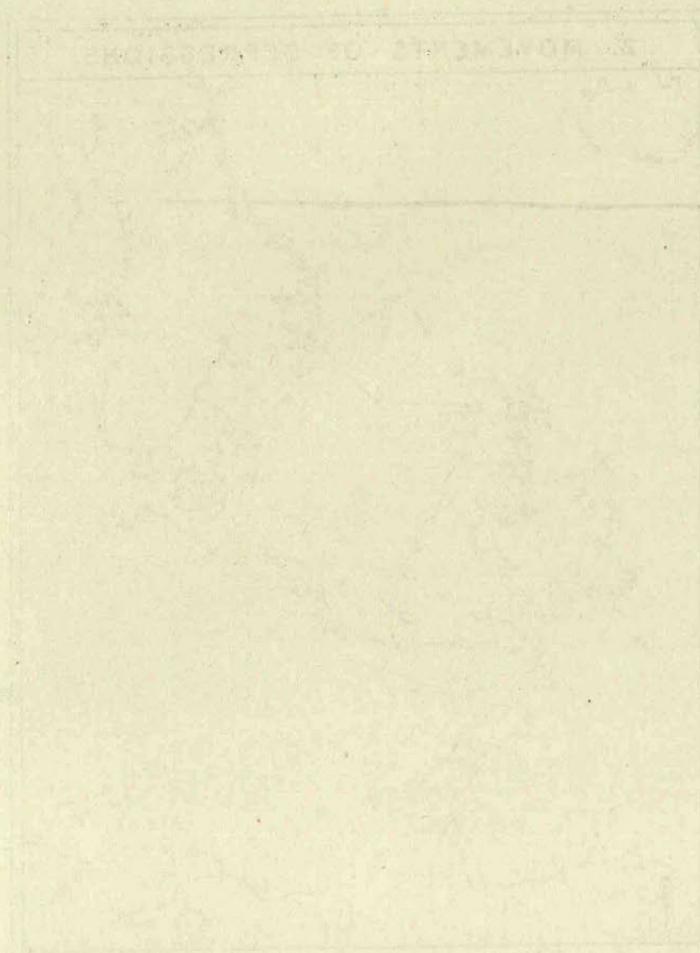
3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.



1896



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

AUGUST 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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.—During the first week the weather over our islands was mostly fine and dry. Later on, however, it gradually became unsettled and thundery, the rainfall being at first partial, but afterwards fairly general, especially in the western districts. Waterspouts were seen on the 25th at some of the English Channel stations. Pressure was high, especially in Ireland; temperature was below the average; the winds were mostly from between West and North; rainfall was deficient in most places, but exceeded the average in the west of Scotland; bright sunshine was fairly abundant in the west and extreme north, but amounted to considerably less than the normal in the eastern and central districts.

Pressure.—*Mean at 8 a.m.* ranged from 30·15 ins. and upwards in the extreme south-west of Ireland, and 30·1 ins. and upwards over the south-western parts of the kingdom generally, to a little above 29·85 ins. in the Shetlands. The actual values were in all cases above the average,* the excess being least in the east of England, and greatest in Ireland, where it amounted to over 0·2 in. *Highest* readings were observed very generally on the 10th or 11th, when the barometer rose to 30·4 ins. and upwards in the south of Ireland and the extreme south-west of England, and to 30·2 ins. and upwards in all other parts of the kingdom. *Lowest* readings occurred as a rule on the 25th, when the barometer fell to 29·5 ins. and less in the north of Scotland, and to 29·7 ins. and less over the northern and eastern districts generally. In the extreme north-west, however, the lowest readings were observed early on the 30th, the mercury falling below 29·4 ins. in most places, and to very nearly 29·1 ins. in the Hebrides. *Range* was moderate.

Depressions.—The depressions observed over western Europe were often large, but of no great depth. Early in the month their centres moved in very irregular paths over Scandinavia, but later on they appeared off our own northern coasts and travelled eastwards, the main disturbances being accompanied in many cases by small secondary systems which advanced directly over the kingdom.

Anticyclones.—At the commencement of the month a large anticyclone spread over our islands from the Atlantic, the system, after a temporary withdrawal on the 3rd and 4th, ultimately extending over the whole of western and northern Europe. After the 12th it moved away to the south-westward, but on several later occasions it again spread eastwards either over our own western and southern coasts, or over the south-western parts of the Continent. These movements were as a rule of a very temporary character.

Winds were mainly from points lying between West and North, with occasional gales on our western and extreme northern coasts. In the north of Ireland the wind rose to a gale on four or five days, but at our eastern and southern stations it scarcely ever exceeded the force of a strong breeze.

Temperature.—*Mean at Sea Level* ranged from 62° in the Channel Islands, and from 60° and upwards over the south of England generally to 55° and less over the northern parts of Scotland, and to very little above 52° in the Shetlands. The general distribution bore a closer resemblance to the autumn than to the summer type, and the actual values were in nearly all cases below the average,* the deficit amounting to over three degrees at some of the central stations in England and Ireland. *Highest* readings occurred at varying times in the different districts, but mainly between the 11th and 13th. At Southampton the thermometer touched 81°, but at many other stations in England it failed to exceed 75°, while on our western and northern coasts generally it did not reach 70°. *Lowest* readings also occurred at various times, but mostly between the 26th and 28th. In many of the inland districts the sheltered thermometer fell below 40°, the lowest readings of all being 33° at Braemar and Llandoverly, and 35° at Edenfel and Kilkenny. On the surface of the ground the thermometer fell below the freezing point in several places, and on more than one occasion during the month. *Range* was moderate. *Vapour Tension* ranged from between 0·42 inch and 0·43 inch at the English Channel stations to 0·35 inch and less in the Shetlands and the eastern parts of Scotland, and to 0·33 inch at Aberdeen. *Relative Humidity* varied from between 90 and 94 per cent. in the north and east of Scotland, to 80 per cent. or less in the Channel Islands and the south-east of England, and to 75 per cent. or less in the east of Scotland.

Rainfall was deficient in most places, the only district with any general excess being the west of Scotland; at several of the western and northern stations the fall amounted to less than half the average.* The largest aggregates reported were 7·6 ins. at Laudale, 7·1 ins. at Stornoway, and 6·8 ins. at Glencarron; the smallest being 0·7 in. at Spurn Head, 1·1 ins. at Dublin, and 1·3 ins. at Kilkenny. Falls exceeding an inch in 24 hours were reported at many western and northern stations, the heaviest of all being those which occurred in the extreme north and north-west on the 28th and 29th. On the former date 2·0 ins. fell at Stornoway, 2·4 ins. at Fort William, and 2·5 ins. at Glencarron; while on the latter occasion 1·6 ins. fell at Belmullet, and 2·1 ins. at Laudale.

Bright Sunshine was slightly in excess of the average* in the west and extreme north, but was below it elsewhere, the deficiency being rather large over the eastern and central parts of England. The per-centage of the possible duration ranged from 59 at Guernsey, and 50 or more on other parts of our south-west coasts to 25 or less at several of our northern and eastern stations, and to only 16 at Worksop.

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; and *Bright Sunshine* for the 15 years, 1881–95.

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 Average.	Minimum.	Date.	Maximum.	Date.
0. SCOTLAND, N.	Sumburgh Head	ins. 29°857	ins. +0°090	52°4	47°5	56°2	51°9	-1°2	42	31st	60	18th, 19th
	Wick	29°928	+1°130	54°4	46°8	60°0	53°4	-1°5	37	17th	69	29th
	Stornoway	29°922	+1°140	53°0	48°7	58°5	53°6	-0°9	44	5th	62	10th, 18th
1. SCOTLAND, E.	Nairn	29°932	+1°129	54°5	46°9	61°5	54°2	-2°7	36	17th	68	29th
	Aberdeen	29°949	+1°130	55°5	48°1	61°4	54°8	-1°9	37	26th	68	11th, 24th
	Leith	29°965	+1°130	56°3	50°2	65°4	57°8	-0°8	43	10th	71	6th, 11th
2. ENGLAND, N.E.	Shields	29°973	+1°115	56°1	51°2	62°1	56°7	-1°1	43	26th	70	13th
	York	29°998	+1°103	56°2	49°5	65°5	57°5	-2°1	42	26th, 28th	72	11th
	Spurn Head	29°984	+0°090	58°5	53°5	62°9	58°2	-1°5	48	26th	68	13th
3. ENGLAND, E.	Yarmouth	29°990	+0°070	58°6	52°9	64°0	58°5	-2°0	45	27th	74	13th
	Cambridge	30°033	+1°100	57°2	50°2	68°3	59°3	-2°2	43	5th, 27th	76	13th
4. MIDLAND COUNTIES	Loughborough	30°038	+1°115	55°9	49°8	65°7	57°8	-3°4	40	5th, 19th	74	13th
	Oxford	30°052	+1°108	57°2	50°9	67°4	59°2	-1°9	44	5th	75	12th, 13th, 23rd
5. ENGLAND, S.	London	30°045	+0°094	58°2	51°6	68°8	60°2	-2°4	45	16th, 27th, 28th	76	13th
	North Foreland	30°021	+0°069	59°8	55°2	65°6	60°4	-0°4	49	26th	74	13th
	Dungeness	30°012	+0°067	59°5	52°2	67°0	59°6	-2°4	42	15th	72	4th
	Hurst Castle	30°038	+0°096	60°0	54°4	68°6	61°5	-0°6	46	27th	70	12th
6. SCOTLAND, W.	Ardrossan	29°975	+1°132	57°3	51°5	62°0	56°8	-1°3	44	10th	66	15th
7. ENGLAND, N.W.	Hawes Junction*	28°764	?	50°8	45°6	58°9	52°3	?	38	26th	67	11th
	Liverpool	30°025	+1°127	57°6	53°5	63°1	58°3	-1°7	47	27th	71	1st
	Holyhead	30°057	+1°159	57°4	53°5	61°4	57°5	-1°9	48	26th	69	12th
8. ENGLAND, S.W.	Pembroke	30°084	+1°161	58°1	54°4	61°7	58°1	-1°2	50	26th	69	2nd
	Prawle Point	30°081	+1°113	60°5	53°2	67°8	60°5	+0°7	46	27th	76	11th, 12th
9. IRELAND, N.	Malin Head	30°003	+1°173	55°2	53°2	58°3	55°8	-2°1	49	26th, 27th	62	1st
	Donaghadee	30°032	+1°163	56°6	50°9	63°8	57°4	-0°2	42	31st	73	12th
	Belmullet	30°090	+1°223	57°5	54°7	60°0	57°4	-0°9	50	26th	63	1st, 12th
10. IRELAND, S.	Parsonstown	30°107	+1°199	55°7	50°5	64°0	57°3	-1°3	43	31st	72	1st, 22nd
	Valencia	30°157	+1°236	58°6	53°2	62°6	57°9	-1°4	44	16th	69	2nd
	Roche's Point	30°139	+1°206	58°9	53°7	65°8	59°8	0°0	47	31st	71	11th, 12th, 13th, 23rd.
CHANNEL ISLANDS	Scilly	30°105	+1°147	60°6	56°3	64°6	60°5	-0°4	52	25th, 26th, 27th	71	2nd, 17th
	Jersey	30°089	+1°102	62°5	56°5	67°6	62°1	-0°9	51	27th	75	3rd

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

SUMMARY OF OBSERVATIONS, AUGUST 1896.

REPORTING STATIONS in the BRITISH ISLANDS during the Month of AUGUST 1896.

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.	
																							ins.
0'350	89	8'3	3'65	+0'31	1'10	28th	22	0	0	0	0	18	0	10	1	1	2	1	3	7	3	3	3
*386	92	8'5	2'28	-0'40	0'53	28th	21	0	0	0	1	21	0	13	0	0	0	4	2	1	11	0	0
*380	94	9'2	7'09	+3'32	2'00	28th	22	0	0	0	0	24	3	10	2	1	0	3	3	6	5	1	1
*352	82	7'0	1'81	-0'99	0'23	14th	21	0	0	0	1	8	0	0	1	2	0	0	5	16	1	6	6
*330	74	6'8	2'06	-1'09	0'56	14th	22	0	0	0	0	8	2	5	0	0	1	1	6	10	8	0	0
*354	77	7'6	1'62	-1'12	0'51	23rd	17	0	0	1	1	15	0	3	1	2	0	1	7	12	3	2	2
*374	82	8'4	1'75	-1'11	0'43	14th	14	0	0	1	0	17	0	6	2	0	0	1	9	9	4	0	0
*375	83	7'3	2'22	-0'40	0'48	30th	13	0	0	1	5	15	0	5	1	0	1	5	4	7	8	0	0
*420	85	7'1	0'70	-1'14	0'15	23rd	13	0	0	2	0	10	0	5	1	0	0	1	2	13	9	0	0
*393	80	4'7	2'46	+0'16	0'45	7th	18	0	1	2	6	2	0	7	2	0	1	1	2	8	9	1	1
*392	84	6'5	2'11	-0'28	0'44	19th	15	0	0	1	6	16	0	5	0	0	0	1	6	4	5	10	10
*376	84	7'8	2'00	-0'50	0'51	30th	13	0	1	2	0	13	0	2	3	0	1	2	3	10	7	3	3
*381	81	7'3	3'08	+0'76	0'68	8th, 30th	15	0	0	3	7	20	0	7	2	1	1	2	5	6	5	2	2
*382	79	7'8	2'28	-0'08	0'47	8th	16	0	0	3	2	17	0	4	6	1	1	1	5	8	5	0	0
*403	78	7'4	4'20	?	1'01	8th	16	0	0	4	0	12	0	6	2	0	1	1	6	5	10	0	0
*421	83	6'6	1'98	-0'09	0'60	8th	12	0	0	3	0	7	0	7	3	1	0	1	4	6	9	0	0
*415	80	6'6	1'60	-0'77	0'53	30th	12	0	1	1	1	10	1	7	6	2	0	0	6	7	1	2	2
*401	85	7'2	1'84	-2'07	0'44	23rd	18	0	0	0	4	15	2	2	4	1	2	3	2	7	8	2	2
*340	91	8'3	3'80	?	0'83	23rd	21	0	0	0	1	19	0	4	2	2	3	4	5	6	5	0	0
*364	77	8'5	2'49	-0'38	0'63	26th	18	0	1	1	1	21	0	2	1	0	2	1	3	13	4	5	0
*412	87	7'3	1'80	-1'18	0'56	23rd	16	0	1	0	1	9	2	8	3	0	0	1	4	10	4	1	1
*414	85	6'4	1'63	-1'25	0'55	18th	12	0	0	0	2	11	2	8	4	4	0	1	1	4	9	0	0
*431	82	6'7	1'35	-0'89	0'35	24th, 30th	12	0	0	1	0	8	0	5	4	3	0	0	5	7	7	0	0
*390	90	8'3	3'36	?	0'64	12th	21	0	0	0	0	21	4	8	0	1	0	2	3	8	9	0	0
*394	85	6'7	1'70	-1'57	0'40	23rd	18	0	0	0	2	8	3	3	4	0	0	0	4	11	9	0	0
*391	82	8'1	4'84	+0'22	1'62	29th	20	0	0	0	0	19	5	10	3	1	0	1	3	5	8	0	0
*378	85	8'7	2'87	-0'80	0'61	31st	17	0	2	1	0	22	0	2	1	0	1	1	5	6	6	9	9
*405	82	8'2	3'02	-1'83	0'79	17th	20	0	1	0	1	19	2	7	3	0	0	2	1	6	8	4	4
*403	82	5'2	1'37	-2'66	0'40	29th	9	0	0	0	0	4	3	11	0	1	0	0	2	4	13	0	0
*433	82	7'0	1'80	-0'74	0'50	8th	14	0	0	0	0	6	2	11	3	1	0	1	2	3	10	0	0
*432	76	6'8	3'27	+0'83	0'96	8th	15	0	2	2	2	11	1	4	2	5	1	0	3	7	9	0	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 1896.

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.	ms.	*	111.1	-6.3	24	%	%
GLENCARRON	46.7	57.8	52.3	-2.8	39	5th	65	31st	25	6.79	0.00	2.49	28th	—	—	—	—
FORT AUGUSTUS	47.8	63.0	55.4	-1.6	36	5th	70	4th, 11th, 12th	19	2.61	-0.73	0.92	28th	91.3	+16.4	20	+4
FORT WILLIAM	49.6	61.2	55.4	-2.0	39	5th	67	11th	20	6.12	+0.05	2.36	28th	130.9	+44.8	28	+9
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	130.5	-20.6	28	-5
BRAEMAR	45.1	59.0	52.1	-1.9	33	10th	70	11th	21	1.63	-2.23	0.24	12th, 14th	126.7	+13.1	27	+2
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	144.2	-1.1	31	-2
OCHTERTYRE	47.5	66.5	57.0	-0.6	38	9th	77	11th	15	1.58	-2.26	0.39	23rd	—	—	—	—
MARCHMONT	47.5	61.7	54.6	-1.9	38	25th	73	11th	17	2.18	-1.37	0.44	23rd	128.0	-24.0	28	-5
ALNWICK CASTLE	50.3	61.1	55.7	-1.4	40	17th	67	14th	20	1.97	-1.18	0.43	8th	—	—	—	—
DURHAM	49.4	63.8	56.6	-1.9	41	17th	74	11th	24	2.10	-0.74	0.54	19th	97.1	-49.0	21	-11
SCARBOROUGH	51.3	61.4	56.4	-2.4	44	26th	69	13th	19	2.69	+0.02	1.15	3rd	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	94.4	-39.3	21	-8
YORK	*	*	*	*	*	*	*	*	*	*	*	*	*	103.4	-41.7	23	-9
HILLINGTON	48.7	66.3	57.5	-3.0	40	3rd	76	13th	18	2.39	-0.34	0.47	26th	122.0	-51.5	27	-12
GELDESTON	49.2	66.8	58.0	-2.7	39	27th	77	13th	14	1.60	-0.44	0.29	21st	135.2	-53.2	30	-12
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	146.5	-34.0	33	-7
ROTHAMSTED	49.8	66.0	57.9	-2.3	43	17th, 27th	73	13th	14	2.70	+0.11	0.41	31st	134.9	-50.8	30	-12
HARROGATE	49.6	62.8	56.2	-2.6	39	26th	70	11th	19	1.93	?	0.45	8th	86.8	?	19	?
BAWTRY	48.7	65.4	57.1	-2.8	41	26th, 28th	70	11th, 12th, 13th, 16th, 24th.	7	1.63	-0.71	0.55	8th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	72.8	-71.2	16	-16
STAMFORD (Ketton Hall)	49.1	67.5	58.3	-2.9	42	5th	74	13th	12	1.47	-0.77	0.35	19th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	119.7	-39.1	27	-8
CHEADLE	49.1	61.8	55.5	-2.4	43	27th	69	13th	19	2.58	-0.94	0.47	30th	—	—	—	—
SHIRLEY (near Solihull)	49.3	64.8	57.1	-3.4	41	26th	72	13th	20	2.22	?	0.45	30th	—	—	—	—
CHURCHSTOKE	48.1	64.3	56.2	-2.0	40	27th	72	1st	17	1.52	-1.22	0.40	26th	114.3	-50.1	25	-12
HEREFORD	50.5	66.5	58.5	-2.0	41	31st	75	3rd	16	2.20	-0.24	0.70	8th	—	—	—	—
CIRENCESTER	49.6	66.4	58.0	-0.9	40	18th	77	13th	13	2.27	-0.81	0.64	30th	158.9	-19.7	36	-4
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	144.6	-38.3	32	-9
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	125.4	-41.6	28	-9
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	160.9	-23.0	36	-5
HASTINGS	53.5	66.6	60.1	-1.4	48	27th	73	11th, 12th	15	2.72	+0.27	0.87	9th	181.0	-22.7	41	-4
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	161.5	-34.4	36	-8
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	185.7	-25.7	42	-6
WESTBOURNE (Sussex)	—	—	—	—	—	—	—	—	—	—	—	—	—	169.9	-32.2	38	-8
SOUTHAMPTON	52.5	70.0	61.3	-0.9	45	27th	81	12th	15	2.55	-0.13	0.93	30th	164.3	-38.7	37	-9
STOWELL	50.4	66.1	58.3	-2.8	42	17th, 31st	72	13th	17	2.03	-0.90	0.40	30th	—	—	—	—
LAUDALE	48.2	61.5	54.9	-2.2	41	5th	69	1st, 20th	24	7.63	+2.17	2.12	29th	—	—	—	—
GLASGOW	49.9	62.4	56.2	-0.9	44	10th, 26th	67	11th	17	2.18	-1.87	0.76	23rd	153.4	+24.3	33	+5
GLENLEE	48.0	63.4	55.7	-1.4	40	5th, 10th	68	1st, 11th, 23rd, 31st.	17	2.32	-2.41	0.83	29th	—	—	—	—
DOUGLAS	51.2	63.6	57.4	+0.2	46	10th, 26th, 27th	69	12th	11	2.33	-1.52	0.90	23rd	194.3	+30.3	43	+7
STONYHURST	50.2	61.5	55.9	-2.5	43	27th	69	1st	19	3.30	-1.85	1.13	23rd	114.7	-27.6	25	-6
BLACKPOOL	51.4	64.6	58.0	-1.7	42	27th	70	1st	17	2.67	-0.71	0.98	23rd	148.8	-1.9	33	0
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	118.9	?	26	?
MANCHESTER (Prestwich)	49.8	62.8	56.3	-2.6	43	27th	69	17th	19	2.97	-0.76	1.02	23rd	94.7	?	21	?
MANCHESTER (Oldham Road).	—	—	—	—	—	—	—	—	—	—	—	—	—	88.3	?	20	?
LLANDUDNO	54.8	63.1	59.0	-1.2	50	5th, 17th, 26th	68	2nd, 12th	18	2.81	+0.14	0.85	31st	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	160.2	?	36	?
LLANDOVERY	47.5	67.2	57.4	-2.2	33	27th	75	1st	18	4.54	-0.15	1.43	1st	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	187.3	-1.5	42	0
CLIFTON	53.5	66.3	59.9	-0.8	46	27th	72	1st	13	2.14	-1.33	0.63	19th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	206.0	+19.2	46	+4
ARLINGTON	50.6	63.8	57.2	-1.7	43	27th	69	3rd, 4th, 11th, 13th, 17th.	18	2.13	-3.12	0.64	24th	—	—	—	—
CULLOMPTON	50.3	68.4	59.4	-1.1	40	19th	74	2nd, 11th, 23rd	11	1.37	-1.53	0.35	30th	184.2	+6.0	41	+1
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	209.7	+7.9	47	+1
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	205.0	+5.0	46	+1
FALMOUTH	53.9	64.0	59.0	-1.4	50	26th	71	2nd	15	2.34	-1.31	0.41	7th	226.7	+24.0	51	+5
PLYMOUTH	52.8	65.7	59.3	-2.0	47	15th, 19th	72	23rd	14	1.84	-1.09	0.42	25th	187.8	+1.0	42	0
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	222.1	?	50	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	257.4	+20.2	59	+5
JERSEY	*	*	*	*	*	*	*	*	*	*	*	*	*	233.9	-7.3	53	-2
LONDONDERRY	50.9	63.1	57.0	-1.3	46	25th, 26th	72	5th	22	3.47	-0.43	0.82	25th	—	—	—	—
EDENFEL (Omagh)	†	†	†	†	†	†	†	†	21	2.49	-1.34	0.48	23rd	—	—	—	—
MARKREE CASTLE	49.7	61.9	55.8	-1.4	36	10th	69	12th	22	4.02	-0.08	0.82	25th	125.5	+3.0	28	+1
ARMAGH	47.6	63.3	55.5	-2.4	42	5th, 6th, 7th	70	12th	18	1.62	-1.59	0.30	23rd	135.4	+20.8	30	+5
EDGEWORTHSTOWN	48.0	63.4	55.7	-1.9	40	31st	73	1st	16	2.88	-1.19	0.40	23rd, 31st	—	—	—	—
ARLEY COTTAGE (Co. Cavan).	—	—	—	—	—	—	—	—	—	—	—	—	—	120.2	-11.7	26	-3
DUBLIN	52.3	64.3	58.3	-1.2	46	26th, 27th	71	13th, 23rd	18	1.14	-1.80	0.17	17th	161.4	+6.5	36	+2
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	127.7	-3.3	28	-1
KILKENNY CASTLE	49.5	65.1	57.3	-2.2	35	31st	72	1st, 22nd	14	1.27	-2.21	0.22	26th	—	—	—	—
VALENCIA (Cahiriveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	137.5	-8.5	31	-2
KILLARNEY	51.9	63.9	57.9	-1.5	44	10th	72	1st, 2nd	18	3.83	?	0.80	29th	—	—	—	—
FOYNES	52.9	62.6	57.8	-0.9	48	4th, 9th, 18th	72	1st	16	2.99	?	0.54	29th	—	—	—	—

* For information, see Table XV.

† Observations unreliable.



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

SEPTEMBER 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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

General Summary.—The weather of September was exceedingly wet and unsettled, with frequent thunderstorms during the earlier half of the month. Pressure was low; temperature differed but little from the normal; the winds varied considerably in direction in the west and north, but were mainly from the Westward in the south and east, with strong gales on the 22nd and 25th; rainfall was greatly in excess of the average, specially in the west and south of England; sunshine was very deficient.

Pressure.—*Mean at 8 a.m.* ranged from 29·8 ins. and upwards over the English Channel, to very little above 29·6 ins. on our extreme north and north-west coasts, the values being as a rule from 0·20 in. to 0·25 in. below the average.* *Highest* readings were observed on the 30th, when the barometer rose to 30·5 ins. and upwards over the south-western parts of Great Britain, to 30·4 ins. and upwards over England and the south and east of Ireland generally, and to 30·2 ins. and upwards in all but the extreme northern parts of Scotland. *Lowest* readings were recorded during the passages of the depressions of the 22nd and 25th. In the former case the barometer fell below 28·8 ins. over the more central parts of the United Kingdom, and below 29·0 ins. at all but our southern stations. In the latter case it fell below 28·7 ins. over the northern and central parts of England, and below 29·0 ins. over Ireland and England generally. *Range* was large for the time of year, especially in the more central districts.

Depressions.—Early in the month several shallow depressions were developed over our Islands, their movements being, however, as a rule, too irregular to permit of the tracks being shown on Map 2, Pt. IX. Later on disturbances of far greater intensity advanced from the Atlantic, the most important of these being observed on the 22nd and 25th, when the centre passed in each case directly across Ireland and England, and thence on to the continent, where the systems gradually dispersed.

Anticyclones.—Until quite the end of the period no definite anticyclones were observed in our immediate neighbourhood, the nearest systems being located at first over Northern, and afterwards over Southern Europe. On the 28th and 29th, however, a well-marked anticyclone spread in from the Atlantic, and by the close of the month this had extended over nearly the whole of Europe.

Winds were very variable in the west and north but mainly from West or South-West in the south and east. Gales were unusually frequent, especially in the west; at Malin Head, Roche's Point, and Jersey there were 9 days, at Holyhead 11 days, and at Pembroke 13 days, with a wind force of 7 or more. The North-Westerly gale of the 25th blew with considerable severity on our western coasts.

Temperature.—*Mean at Sea Level* ranged from a little below 61° at Jersey, and from 59° and upwards over the English Channel generally to very little above 51° in the extreme north of Scotland. The distribution in the intervening regions was somewhat irregular, but agreed very fairly with the normal, as also did the actual values recorded. *Highest* readings were observed as a rule between the 9th and 12th, but were somewhat low for the time of year, very few instances being reported in which the thermometer exceeded 70°. *Lowest* readings occurred mainly on the 21st, when the thermometer fell below 35° at many of the northern and inland stations; at Glencarron, Fort Augustus, and Llandovery it sank to 32°, and at Braemar and Glenlee to 31°. *Range* was moderate. *Vapour Tension* ranged from between 0·40 in. and 0·43 in. on our south and south-west coasts, to 0·36 in. or less at many of our northern stations, and to 0·33 in. in the Shetlands. *Relative Humidity* varied from 99 per cent. at Stornoway, and 95 per cent. or more at several stations in the west of Scotland and the north-west of England, to 83 per cent. at Aberdeen, and to 81 per cent. at the North Foreland and Valencia (Ireland).

Rainfall.—Over the United Kingdom as a whole the rainfall was largely in excess of the average,* the only stations showing a deficit (and that a very trifling one) being Fort William, Shields, and Durham. At many stations in the west and south of England, and also at Dublin, the total amount was considerably more than twice as much as the normal, while at St. Aubins, Jersey, it was not far short of three times the average. The largest aggregates were 8·3 ins. at Hawes Junction, 8·1 ins. at Llandovery, and 8·0 ins. at Arlington and Jersey, over 7 ins. being recorded at several other stations in England, as well as in the west of Scotland and the extreme west and south of Ireland. The smallest amounts were 2·2 ins. at Shields and Durham, 2·6 ins. at Scarborough, and 2·9 ins. at York. The number of rainy days was unusually large; at Markree Castle and Armagh there were as many as 28, while at Marchmont and Cheadle a measurable quantity was observed on every day but one. Amounts exceeding an inch in 24 hours were registered on various occasions, and in nearly all districts, the heaviest and most general falls occurring during the passages of the deep depressions of the 21st–22nd and the 24th–25th.

Bright Sunshine was less than the average* at all stations excepting Stornoway and Dublin, the deficit being in most places very considerable. The per-centage of the possible amount ranged from 40 at Scilly and 30 or more on many other parts of our south and south-west coasts, as well as at Stornoway, to 20 or less at several of the northern and central stations, and to only 15 at Fort Augustus and the two Manchester stations, Prestwich and Oldham Road.

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; *Bright Sunshine* for the 15 years 1881–95.

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 89° 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°622	ins. -0°171	51°1	47°1	54°4	50°8	+0°2	40	26th, 30th	61	3rd
	Wick	29°643	-188	51°5	46°0	55°9	51°0	-0°8	38	20th, 21st, 24th 26th, 29th	62	26th
	Stornoway	29°617	-197	50°5	45°2	57°7	51°5	+0°3	39	21st, 24th, 25th, 29th, 30th	68	11th
1. SCOTLAND, E.	Nairn	29°631	-212	51°1	44°8	58°1	51°5	-1°4	34	21st	69	10th, 11th
	Aberdeen	29°653	-210	52°8	47°0	57°0	52°0	-1°0	34	28th	63	18th
	Leith	29°649	-238	53°6	48°4	60°3	54°4	-0°4	38	26th	68	3rd
2. ENGLAND, N.E.	Shields	29°680	-230	54°2	49°2	59°4	54°3	+0°1	37	21st	65	27th
	York	29°702	-246	53°0	48°4	63°2	55°8	+0°4	37	21st	72	4th
	Spurn Head	29°704	-243	56°0	52°0	60°7	56°4	-0°2	44	29th	67	13th
3. ENGLAND, E.	Yarmouth	29°743	-216	56°1	51°5	61°5	56°5	-0°3	41	29th	66	15th
	Cambridge	29°761	-218	54°7	49°7	63°5	56°6	-0°4	37	21st	71	9th
4. MIDLAND COUNTIES	Loughborough	29°740	-231	53°3	49°7	62°5	56°1	-0°4	34	21st	70	9th
	Oxford	29°762	-223	54°9	50°9	62°7	56°8	+0°2	40	21st	69	8th
5. ENGLAND, S.	London	29°783	-208	55°7	51°0	63°9	57°5	-0°6	38	21st	71	5th, 8th
	North Foreland	29°778	-212	58°1	53°0	63°0	58°0	+0°1	43	29th	69	9th
	Dungeness	29°772	-209	58°5	53°7	64°6	59°2	+0°7	40	21st	69	9th, 15th
	Hurst Castle	29°784	-218	58°5	54°5	63°4	59°0	+0°5	43	21st	69	8th
6. SCOTLAND, W.	Ardrossan	29°637	-255	54°0	49°8	59°4	54°6	0°0	40	22nd	68	3rd
7. ENGLAND, N.W.	Hawes Junction*	28°468	?	48°9	45°0	55°7	50°4	?	34	21st	64	10th
	Liverpool	29°607	-250	54°9	50°9	61°0	56°0	-0°2	44	21st, 28th	68	9th, 10th
	Holyhead	29°696	-245	53°4	51°3	60°0	55°7	-1°0	45	21st	65	12th
8. ENGLAND, S.W.	Pembroke	29°719	-243	57°1	54°4	59°7	57°1	+0°4	49	28th, 30th	63	12th
	Prawle Point	29°784	-220	57°0	52°8	60°3	56°6	-0°8	46	29th	66	2nd
9. IRELAND, N.	Malin Head	29°615	-254	53°3	50°5	57°5	54°0	-0°8	44	28th	65	10th
	Donaghadee	29°670	-246	53°4	48°7	59°9	54°3	-0°4	40	21st	64	5th, 17th
	Belmullet	29°657	-247	55°2	52°6	59°2	55°9	+0°3	46	21st, 22nd	67	4th
10. IRELAND, S.	Parsonstown	29°688	-260	53°3	48°0	60°7	54°4	-0°1	39	21st	68	10th
	Valencia (Cahiriveen)	29°723	-238	57°3	51°4	61°4	56°4	-0°2	39	2nd	68	9th
	Roche's Point	29°728	-235	56°6	51°8	62°1	57°0	+0°6	45	21st, 28th	66	9th, 10th
CHANNEL ISLANDS	Scilly (St. Mary's)	29°766	-216	59°2	54°6	62°6	58°6	+0°2	50	23rd, 28th, 29th	68	9th, 12th
	Jersey	29°843	-160	60°7	56°3	65°2	60°8	+0°4	50	21st	72	8th

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

SUMMARY OF OBSERVATIONS, SEPTEMBER 1896.

XXXV

REPORTING STATIONS in the BRITISH ISLANDS, during the Month of SEPTEMBER 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.			Date.	WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.		No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
ins. 0.330	87	8.1	ins. 5.34	+1.96	ins. 1.28	25th	23	0	0	0	0	16	2	2	9	2	6	1	2	4	3	1
359	94	7.4	4.49	+1.98	0.70	22nd, 27th	25	0	0	1	5	17	4	3	2	1	6	3	2	5	7	1
363	99	8.3	5.41	+1.32	1.11	17th	19	0	2	0	2	20	3	4	1	6	2	3	2	6	3	3
357	95	7.7	3.61	+1.13	0.72	27th	24	0	0	0	0	14	0	1	0	7	0	0	2	7	0	13
335	83	6.4	4.20	+1.31	0.77	22nd	27	0	0	0	0	12	4	3	2	1	7	2	10	1	4	0
363	88	7.9	3.25	+1.06	0.60	1st	16	0	0	0	2	18	1	2	2	6	1	1	6	6	0	6
361	86	7.7	2.17	-0.13	0.76	25th	18	0	1	0	1	13	1	3	3	2	3	5	9	3	2	0
363	90	6.6	2.87	+0.42	0.52	24th	23	0	0	2	8	14	0	3	1	4	1	7	4	7	1	2
402	89	6.2	3.18	+1.35	0.50	4th	22	0	0	1	5	12	5	2	1	4	3	4	6	7	2	1
382	84	4.6	3.66	+1.02	0.71	4th	20	0	0	1	10	5	4	2	1	2	2	2	8	9	3	1
390	91	7.1	4.30	+2.17	1.05	12th	20	0	0	6	8	20	0	2	0	1	4	5	11	3	2	2
362	89	7.8	3.73	+1.23	0.79	24th	26	0	0	3	3	19	6	2	2	3	6	2	7	6	1	1
382	89	7.7	5.47	+3.04	1.02	12th	21	0	0	3	6	20	2	4	1	2	3	8	7	5	0	0
387	87	6.3	5.31	+3.14	0.63	10th	22	0	0	5	6	11	4	1	3	2	2	6	7	8	1	0
398	81	6.6	3.41	?	0.58	24th	18	0	0	3	2	13	2	1	0	2	2	6	7	11	1	0
414	85	7.0	4.28	+1.75	1.24	24th	21	0	0	4	0	10	5	2	1	1	0	5	7	9	5	0
405	83	7.6	7.17	+4.41	1.13	1st	25	0	0	2	0	13	3	1	2	1	1	3	11	9	2	0
403	97	8.7	3.93	+0.55	0.58	24th	22	0	1	1	0	21	5	2	10	2	1	4	4	5	2	0
333	97	9.1	8.26	?	1.36	22nd	23	0	0	2	0	23	0	2	3	8	3	4	3	4	3	0
358	84	8.1	4.45	+1.28	0.57	27th	26	0	0	1	3	20	3	1	1	4	5	2	5	8	2	2
388	89	8.4	4.31	+1.21	0.86	24th	24	0	0	1	0	15	11	2	3	3	3	5	6	4	3	1
407	87	7.3	5.50	+2.18	1.03	21st	21	0	1	1	0	16	13	3	0	3	2	3	7	6	6	0
414	89	7.9	4.64	+2.23	0.80	24th	26	0	0	1	0	16	6	2	2	1	0	5	10	6	4	0
354	87	8.3	5.42	?	1.28	26th	20	0	0	0	0	16	9	5	0	4	7	6	3	0	5	0
383	94	7.6	3.93	+1.19	0.68	24th	24	0	0	1	1	15	5	1	3	5	4	1	8	7	1	0
387	89	8.2	7.65	+3.39	0.90	26th	22	0	0	0	0	18	4	4	3	2	4	3	4	5	5	0
365	90	7.2	5.63	+2.71	0.68	24th	25	0	2	1	4	18	0	1	0	2	5	2	1	9	1	9
385	81	8.5	7.09	+2.71	1.04	24th	26	0	0	4	0	17	6	3	1	3	2	5	6	5	3	2
405	88	7.0	7.02	+3.28	1.45	21st	22	0	0	1	0	12	9	5	1	1	3	2	7	4	7	0
430	86	7.5	3.96	+0.68	1.03	21st	22	0	0	0	0	7	7	2	0	2	1	6	6	8	5	0
434	83	7.9	8.03	+5.07	1.13	1st	26	0	0	2	0	14	9	1	0	2	1	5	8	9	4	0

Barometer at this station is not reduced for altitude.

TABLE XVIII.

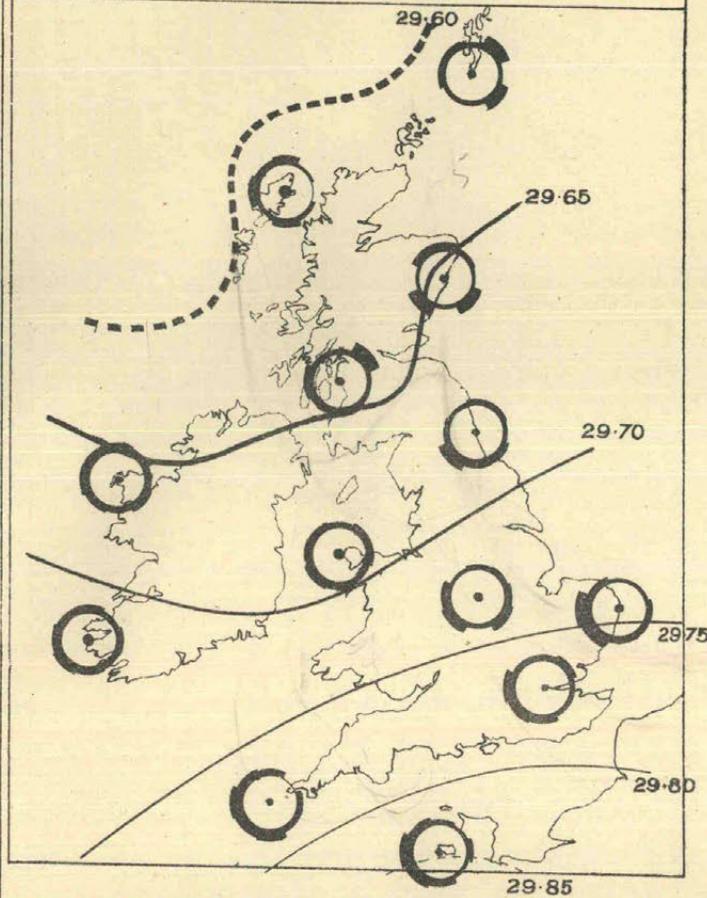
OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of SEPTEMBER 1896.

Table with columns: NAMES OF STATIONS, AIR TEMPERATURE (Means of, Absolute Extremes), RAINFALL (No. of Rainy Days, Total Fall in the Month, Difference from Average, Maximum Fall in One Day, Date), BRIGHT SUNSHINE (No. of Hours recorded, Difference from Average, Per-centage of possible Duration, Difference from Average). Rows list various stations like STORNOWAY, GLENCARRON, FORT AUGUSTUS, etc.

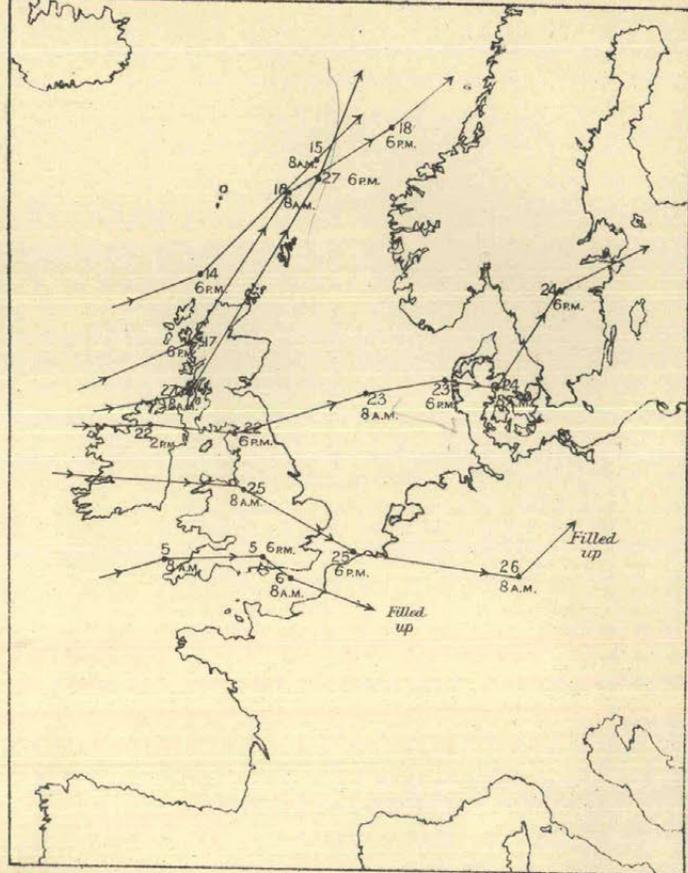
* For information see Table XVII.

† Observations incomplete.

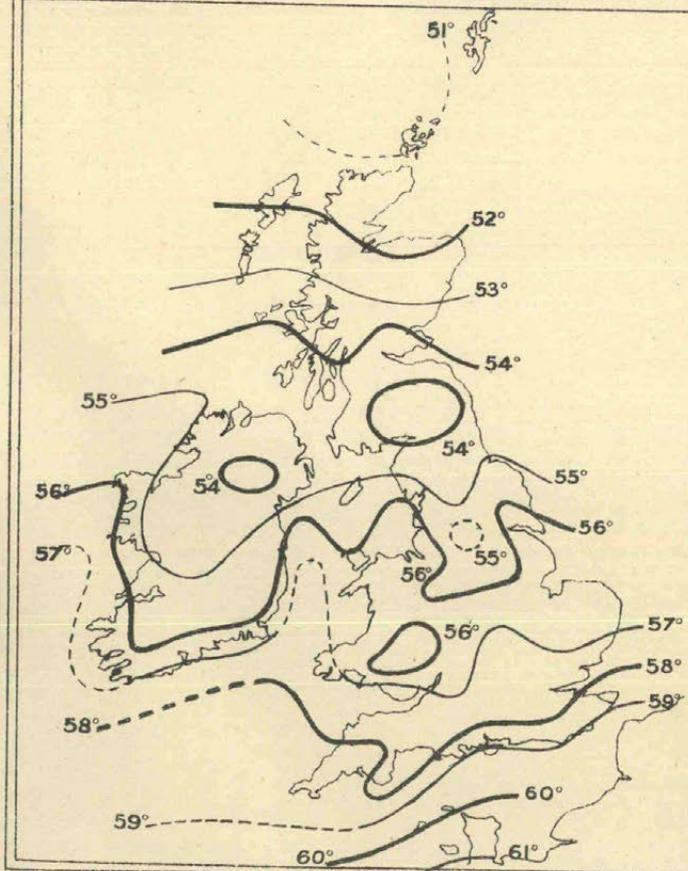
1. BAROMETER AND WIND.



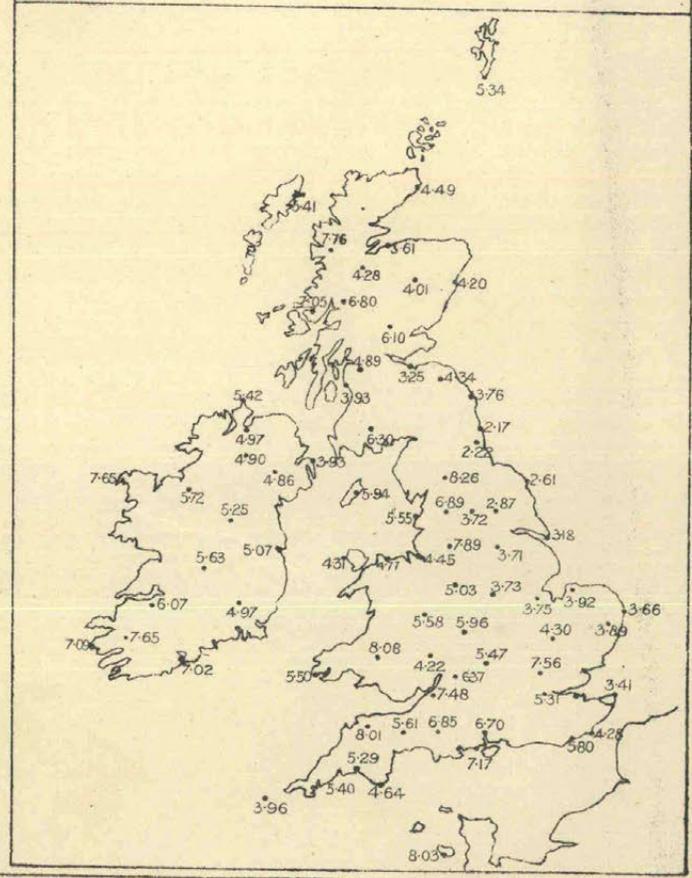
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.



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

OCTOBER 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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

General Summary.—The weather of October was cold and changeable, with frequent rains in most districts, and with occasional falls of snow or sleet in the north. Thunder and lightning were unusually frequent for the time of year, especially over England. Pressure and temperature were low; the winds were chiefly from points lying between West and North; rainfall was rather deficient in the west, but exceeded the average elsewhere; bright sunshine was less than the normal at all but a few of the western and southern stations.

Pressure.—*Mean at 8 a.m.* ranged from 29·80 ins. and upwards in the south of Ireland to 29·65 ins. and less in the north-east of Scotland, and to about 29·60 ins. in the Shetlands. The general distribution was therefore of a somewhat abnormal character, the gradient being in favour of North-westerly, instead of Westerly and South-westerly winds, as is usual in October. The mean values were everywhere below the average,* the deficit being small in the south of Ireland, but rather large in the east and south-east of England. *Highest* readings were observed in the southern districts on the 1st, but in the north on the 14th, the barometer rising to 30·5 ins. and upwards in most places, and to a little above 30·6 ins. in the Shetlands. *Lowest* readings were observed in the west and north on the 7th or 8th, when the barometer fell below 28·5 ins. in the west of Ireland, and below 29·0 ins. over Ireland and Scotland generally. Over the greater part of England, however, the lowest readings (29·2 ins. or less) were registered either on the 19th, the 20th, or the 25th. *Range* was moderate.

Depressions were exceedingly numerous and moved in all kinds of directions, as will be seen by a glance at map 2 on the accompanying plate. The only disturbance of any real importance was that which passed north-eastwards along the Irish and Scotch coasts on the 7th–9th. On reaching the north of Scotland, however, this system quickly dispersed.

Anticyclones.—Two such systems were observed. The first of these was formed over Europe at the close of September, but soon moved away to the southward and partially broke up. The second appeared off our western coasts on the 12th, and afterwards became temporarily united with an anticyclone of great height (maximum readings 31·0 ins. and upwards) which had been gradually formed over Russia. After the 15th, however, the two systems again divided, each passing away steadily to the southward.

Winds were chiefly from the Northward in the western and northern, but from the Westward in the eastern, central, and southern parts of the kingdom. Gales were frequent on our western and some of the more exposed parts of our northern coasts, the number being as large as 13 at Scilly, 12 at Aberdeen, and 10 at Holyhead, Belmullet, and Jersey.

Temperature.—*Mean at sea level* ranged from 51° at Jersey and from 49° and upwards over the English Channel generally to 45° or less over Central-Wales, to 43° or less over Central Ireland, and to 42° or less over the north-western parts of Scotland. The general distribution was, therefore, of a more wintry type than is usual in October, and the mean values were considerably below the average,* the deficit amounting to 5° or more at some of the Irish and Scotch stations. *Highest* readings were recorded mainly between the 1st and 3rd. There were, however, very few places in which the thermometer exceeded 65°, and at some of our northern and north-western stations it did not reach 60°. *Lowest* readings occurred at various times between the 21st and 29th, when frost was experienced in most places; over the more central parts of Scotland the frost of the 24th and 25th was very sharp for the time of year, the sheltered thermometer falling to 17° at Braemar, 18° at Ochtertyre, and 19° at Nairn. *Range* was rather large in the regions just mentioned, but moderate elsewhere. *Vapour Tension* ranged from 0·30 in. at Scilly and Jersey to 0·24 in. and less over Central Ireland, the north of England, and the eastern and central parts of Scotland. *Relative Humidity* was as high as 99 per cent. at Stornoway, 94 per cent. at Ardrossan, and 93 per cent. at Spurn Head, Cambridge, and Parsonstown, the lowest values being 80 per cent. at Belmullet and Liverpool, and 81 per cent. at Holyhead and Scilly.

Rainfall.—Over the western parts of the kingdom the amount was, as a rule, less than the normal, the only exceptions being certain portions of Wales and the extreme north and north-west of Ireland, where an excess was shown. In other districts there was a general excess, the fall being greatest, relatively speaking, in the north-east of England, where the amount was in some cases more than twice as much as the average.* The largest aggregates reported were 8·3 ins. at Alnwick Castle, 7·3 ins. at Stornoway and Glencarron, and 7·2 ins. at Sumburgh Head; the smallest being 1·9 ins. at Hurst Castle, 2·0 ins. at Donaghadee, and 2·2 ins. at Armagh. Falls exceeding an inch in 24 hours were reported on several occasions, the heaviest and most general being those which occurred in the west on the 6th and 7th, and in the north and north-east between the 10th and 11th. Snow or sleet occurred in many parts of the kingdom on the 10th and 11th, and in the northern districts on several occasions during the closing week.

Bright Sunshine was slightly in excess of the average* at many of our western and southern stations. In the south of Ireland, however, as well as in the northern, eastern, and central parts of the kingdom generally, the amount was rather deficient. The per-centage of the possible duration ranged from 41 at Brighton and 35 or more on several parts of our south and south-west coasts to 13 at Fort Augustus, and 12 at Manchester (Oldham Road).

* The averages employed are—*Pressure* and *Temperature* for the 25 years 1871–95; *Rainfall* for the 30 years 1866–95; and *Bright Sunshine* for the 15 years 1881–95.

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 33° 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°605	ins. -0°107	43°4	39°6	47°3	43°5	-2°2	30	11th	56	15th
	Wick	29°635	-1°112	41°8	36°1	48°2	42°2	-3°8	25	25th	63	1st
	Stornoway	29°688	-°055	40°4	36°2	47°3	41°8	-3°8	30	11th, 25th	55	1st
1. SCOTLAND, E.	Nairn	29°667	-°096	41°2	35°5	48°0	41°8	-4°2	19	25th	65	1st
	Aberdeen	29°669	-°110	42°7	37°9	49°1	43°5	-3°2	29	25th, 26th	64	1st, 2nd
	Leith	29°681	-°124	43°3	38°1	50°3	44°2	-3°8	29	29th	65	1st
2. ENGLAND, N.E.	Shields	29°674	-°152	43°7	38°5	50°3	44°4	-3°3	30	23rd, 26th	63	2nd
	York	29°699	-°163	41°9	37°3	50°8	44°1	-3°6	24	27th	63	2nd, 3rd
	Spurn Head	29°674	-°173	46°2	42°3	51°0	46°7	-2°7	35	26th, 27th, 29th	61	8th
3. ENGLAND, E.	Yarmouth	29°702	-°172	46°6	41°3	52°0	46°7	-2°8	34	19th, 28th, 30th	61	2nd, 8th
	Cambridge	29°734	-°161	43°4	38°3	53°1	45°7	-3°0	29	29th	67	3rd
4. MIDLAND COUNTIES	Loughborough	29°732	-°154	41°7	38°3	51°6	45°0	-3°3	26	31st	61	3rd, 7th, 8th, 9th.
	Oxford	29°750	-°156	43°2	39°5	52°6	46°1	-2°6	30	28th, 29th	63	3rd
5. ENGLAND, S.	London	29°750	-°157	44°7	40°5	52°8	46°7	-3°0	29	28th	64	9th
	North Foreland	29°733	-°172	48°7	43°9	53°7	48°8	-1°3	35	26th	63	7th, 8th
	Dungeness	29°719	-°179	47°6	42°8	54°7	48°8	-2°4	32	23rd	64	2nd
	Hurst Castle	29°759	-°147	47°5	43°3	54°4	48°9	-2°6	34	28th	63	2nd
6. SCOTLAND, W.	Ardrossan	29°694	-°119	44°1	38°9	49°5	44°2	-4°3	29	13th, 23rd	59	2nd
7. ENGLAND, N.W.	Hawes Junction*	28°451	?	38°1	33°9	44°0	39°0	?	25	23rd	57	7th
	Liverpool	29°716	-°146	44°4	40°1	50°1	45°1	-4°0	30	29th	63	2nd
	Holyhead	29°730	-°124	46°9	42°4	50°5	46°5	-4°3	35	11th	59	2nd
8. ENGLAND, S.W.	Pembroke	29°747	-°124	47°2	43°3	51°0	47°2	-4°1	36	29th, 30th	60	3rd
	Prawle Point	29°776	-°134	46°4	39°9	53°3	46°6	-4°7	30	13th	61	3rd
9. IRELAND, N.	Malin Head	29°698	-°100	45°5	41°6	48°7	45°2	-3°8	33	11th	60	1st
	Donaghadee	29°721	-°113	45°7	40°9	50°8	45°9	-2°6	32	28th	65	2nd
	Belmullet	29°794	-°052	46°1	41°5	50°1	45°8	-4°2	35	19th	61	3rd
10. IRELAND, S.	Parsonstown	29°798	-°079	39°6	35°5	49°5	42°5	-5°0	25	23rd	61	2nd
	Valencia (Cahiriveen)	29°848	-°031	46°2	40°7	51°0	45°9	-5°4	32	23rd, 28th	60	7th
	Roche's Point	29°821	-°055	44°8	41°0	51°3	46°2	-4°6	34	23rd, 29th	60	2nd, 7th
CHANNEL ISLANDS	Scilly	29°783	-°109	50°6	45°6	55°5	49°6	-3°7	38	12th	60	7th, 9th
	Jersey	29°794	-°119	50°5	46°3	55°8	51°1	-2°4	36	19th	65	3rd

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

REPORTING STATIONS in the BRITISH ISLANDS during the Month of OCTOBER 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				WEATHER.							WIND.								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Days of							No. of Observations of								
							Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
in. 0.238	% 84	8.5	ins. 7.15	ins. +2.84	ins. 0.84	25th	25	2	0	0	0	18	2	11	5	2	0	2	3	5	1	2
247	94	7.1	3.86	+0.72	0.70	18th	24	3	3	0	2	12	4	11	3	1	0	2	1	7	6	0
246	99	9.3	7.26	+2.11	0.61	17th	25	4	3	0	0	25	7	10	4	2	0	0	2	11	2	0
229	89	7.2	3.06	+0.55	0.65	9th	18	3	1	0	2	11	0	4	3	1	0	0	1	8	3	11
229	84	6.1	4.40	+1.35	1.09	18th	24	3	3	0	0	6	12	5	0	0	0	2	6	6	12	0
239	85	7.0	3.18	+1.15	0.68	18th	18	0	0	0	1	14	3	6	4	1	0	1	5	9	5	0
245	85	7.9	5.18	+2.60	0.92	10th	24	3	4	1	1	16	6	3	3	1	0	3	9	4	7	1
240	91	6.0	3.26	+0.52	0.47	7th	26	0	0	0	11	15	1	8	0	0	2	8	1	4	7	1
290	93	6.9	5.07	+2.74	1.26	11th	26	1	1	4	3	13	6	5	3	2	0	8	3	4	6	0
276	88	5.7	3.34	+0.23	0.57	19th	23	0	0	0	4	5	2	2	3	1	2	4	6	9	4	0
262	93	7.4	2.77	+0.36	0.72	19th	18	0	1	1	5	21	0	6	1	1	1	4	10	2	5	1
240	91	7.5	2.90	+0.07	0.60	16th	22	1	1	0	2	15	3	4	1	0	2	3	7	5	6	3
251	89	6.1	2.90	+0.15	0.48	9th	18	0	1	0	10	15	0	8	3	0	0	5	8	2	3	2
259	88	6.7	2.91	+0.09	0.62	12th	17	0	0	3	7	14	4	3	4	0	0	6	5	5	5	3
286	83	7.7	5.49	?	1.19	13th	21	0	3	5	1	17	0	3	1	2	2	5	5	8	5	0
298	91	7.8	5.23	+1.80	0.94	26th	24	1	2	2	0	10	9	9	1	0	2	3	4	7	5	0
283	87	6.8	1.90	-1.70	0.41	6th	21	0	1	0	1	11	3	6	6	1	0	0	9	4	5	0
273	94	5.0	2.95	-0.87	0.58	5th	16	0	4	0	7	10	4	8	6	1	0	2	5	4	4	1
223	97	8.1	5.53	?	1.01	7th	23	3	1	0	0	20	0	7	1	5	4	4	2	3	5	0
234	80	5.6	3.58	0.00	0.57	6th	22	2	0	0	11	11	4	7	3	1	1	4	6	4	2	3
258	81	7.9	5.10	+0.66	1.78	7th	24	0	5	2	0	12	10	6	6	2	1	1	5	3	5	2
280	87	6.3	5.92	+1.81	0.83	9th	21	0	0	0	2	12	7	3	10	5	0	0	2	6	5	0
273	87	7.5	2.50	-0.28	0.61	29th	25	0	4	2	0	9	8	10	2	1	1	1	6	4	6	0
264	87	8.0	4.62	?	0.55	9th	28	1	10	0	1	15	8	13	2	1	0	3	5	5	2	0
266	87	6.9	2.01	-1.21	0.70	7th	20	0	0	0	0	9	8	4	11	2	0	0	4	7	3	0
249	80	8.5	5.70	+0.52	1.07	7th	23	1	0	0	1	21	10	10	6	2	1	1	4	4	3	0
227	93	6.8	2.63	-0.49	0.42	7th	18	2	2	0	3	14	0	2	0	0	0	2	1	6	6	14
261	84	8.5	5.38	-0.19	0.86	7th	25	0	4	1	1	21	6	8	8	2	1	1	4	4	2	1
253	85	5.5	3.00	-1.16	1.55	7th	15	2	2	0	0	4	8	9	3	0	0	4	1	4	10	0
301	81	7.7	5.35	+1.58	0.70	6th	29	0	4	4	0	8	13	7	5	1	1	1	3	6	7	0
302	82	7.9	6.53	+1.83	0.86	24th	29	2	8	3	0	15	10	2	4	1	1	1	7	8	7	0

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 1896.

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.	*			%.	%.
LAIRG	33'2	47'2	40'2	-4'3	20	25th	60	7th	26	4'34	+0'45	0'50	8th	85'1	-1'0	27	0
GLENCARRON	33'7	46'0	39'9	-5'2	23	25th	56	1st, 8th	24	7'32	-1'60	1'42	9th	—	—	—	—
FORT AUGUSTUS	35'5	47'9	41'7	-5'0	21	25th	63	1st	21	6'19	+2'05	0'81	5th	41'7	-14'4	13	-5
FORT WILLIAM	37'5	47'5	42'5	-4'8	25	23rd	57	1st, 2nd	19	4'96	-2'74	0'94	9th	71'4	-5'3	23	-1
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	97'0	-0'5	31	0
BRAEMAR	32'4	44'1	38'3	-4'8	17	25th	63	1st	21	5'68	+1'72	1'20	18th	83'3	+14'5	27	+5
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	57'9	-24'8	18	-8
OCHTERTYRE	35'0	50'7	42'9	-3'4	18	24th	64	2nd	15	3'35	-0'82	1'08	7th	—	—	—	—
MARCHMONT	35'7	47'5	41'6	-4'1	25	24th, 25th	63	2nd	24	5'52	+2'06	1'11	10th	70'8	-15'2	22	-5
ALNWICK CASTLE	38'1	48'5	43'3	-3'6	26	26th, 29th	61	3rd	23	8'29	+5'16	2'35	11th	—	—	—	—
DURHAM	37'0	49'0	43'0	-3'9	26	26th	63	2nd	29	5'87	+2'84	1'06	10th	79'9	-6'9	25	-2
SCARBOROUGH	40'4	49'5	45'0	-3'4	29	27th	61	2nd	23	4'58	+1'33	0'85	10th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	72'6	-10'9	23	-3
YORK	—	—	—	—	—	—	—	—	—	—	—	—	—	68'4	-18'9	21	-6
HILLINGTON	39'1	52'9	46'0	-2'4	29	27th	65	3rd	27	4'83	+2'02	0'81	19th	80'4	-14'6	25	-5
GELDESTON	39'0	53'8	46'4	-2'9	27	30th	66	3rd	23	2'93	+0'10	0'43	19th	83'5	-25'9	26	-8
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	94'3	-10'1	29	-3
ROTHAMSTED	38'4	51'8	45'1	-2'7	27	28th	61	3rd, 9th, 10th	24	3'75	+0'62	0'71	6th	103'8	-4'4	32	-1
HARROGATE	38'4	48'8	43'6	-3'2	30	26th	61	2nd	24	3'63	?	0'46	6th	70'2	?	22	?
BAWTRY	37'3	50'8	44'1	-3'4	27	27th	64	2nd	24	3'23	+0'42	0'75	18th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	74'9	-10'0	23	-3
STAMFORD (Ketton Hall)	†	†	†	†	†	†	†	†	†	3'68	+0'70	0'50	16th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	85'3	-2'1	26	-1
CHEADLE	36'8	49'2	43'0	-3'6	28	29th	58	2nd, 8th, 9th	23	3'13	-0'37	0'60	18th	—	—	—	—
SHIRLEY (nr. Solihull)	38'0	50'2	44'1	-3'2	26	28th, 29th	62	1st	23	2'56	?	0'27	15th, 16th	—	—	—	—
CHURCHSTOKE	36'0	50'0	43'0	-3'9	26	21st, 23rd	64	2nd	23	3'93	+0'45	0'62	7th	93'3	+2'7	29	+1
HERFORD	37'4	52'4	44'9	-3'3	26	21st	68	3rd	18	2'07	-0'72	0'36	6th	—	—	—	—
CIRENCESTER	37'3	51'3	44'3	-3'1	26	28th	63	3rd	20	3'63	+0'38	0'60	24th	109'3	+9'3	34	+3
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	102'9	+1'2	32	+1
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	72'6	-5'2	22	-2
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	82'2	-23'3	25	-7
HASTINGS	42'2	54'3	48'3	-2'6	35	23rd	64	2nd	21	5'58	+1'69	1'27	19th	103'4	-16'0	32	-5
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	101'3	-16'5	31	-5
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	133'8	+11'5	41	+3
WESTBOURNE (Sussex)	—	—	—	—	—	—	—	—	—	—	—	—	—	129'3	+17'8	40	+6
SOUTHAMPTON	40'6	55'0	47'8	-2'7	29	28th	66	2nd	21	3'06	-0'50	1'27	6th	126'9	+14'4	39	+4
STOWELL	39'0	51'2	45'1	-3'0	28	28th	62	3rd	20	2'56	-0'92	0'63	6th	—	—	—	—
LAUDALE	36'4	49'4	42'9	-4'7	27	21st, 25th	61	1st	19	4'24	-3'46	0'85	8t	—	—	—	—
GLASGOW	37'8	48'1	43'0	-3'6	28	23rd	59	2nd	16	3'68	-0'13	1'10	7th	81'5	+12'4	26	+4
GLENLEE	35'7	48'9	42'3	-4'5	21	23rd	61	2nd	18	3'70	-2'06	1'86	7th	—	—	—	—
DOUGLAS	39'1	50'0	44'6	-3'7	29	11th, 23rd, 26th, 27th.	59	3rd	21	5'60	+1'12	2'16	7th	94'9	-10'3	30	-3
STONYHURST	38'2	48'1	43'2	-4'1	25	27th	59	2nd, 8th	18	4'15	-1'02	0'62	6th	81'8	-4'2	25	-2
BLACKPOOL	38'0	51'1	44'6	-4'2	26	27th	61	3rd	21	4'58	+0'39	0'70	6th	81'1	-6'4	25	-2
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	79'9	?	25	?
MANCHESTER (Prestwich)	37'7	50'9	44'3	-3'5	28	27th	61	2nd	19	4'43	+0'31	0'88	6th	55'2	?	17	?
MANCHESTER (Oldham Road).	—	—	—	—	—	—	—	—	—	—	—	—	—	38'9	?	12	?
LLANDUDNO	42'4	51'1	46'8	-3'5	33	29th	65	2nd	21	4'20	+0'16	0'81	7th	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	81'2	?	25	?
LLANDOVERY	34'0	52'8	43'4	-4'2	22	21st, 23rd	66	3rd	23	5'50	-0'16	0'81	25th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	103'4	0'0	32	0
CLIFTON	40'1	50'3	45'2	-4'0	31	29th, 31st	63	3rd	19	5'48	+1'72	1'22	24th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	†	†	†	†
ARLINGTON	39'0	50'5	44'8	-4'2	29	29th	62	3rd	23	6'24	+0'01	0'69	16th	—	—	—	—
CULLOMPTON	38'4	53'2	45'8	-2'4	25	28th	67	3rd	17	2'99	-1'06	0'50	5th	99'3	+4'8	30	+1
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	120'4	+11'7	37	+4
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	107'5	-6'3	33	-2
FALMOUTH	43'1	52'5	47'8	-3'8	35	11th, 29th	62	3rd	25	5'41	-0'04	0'78	19th	124'1	+5'3	38	+2
PLYMOUTH	42'3	53'1	47'7	-3'4	30	29th	63	3rd	21	2'96	-1'00	0'50	6th	113'0	+6'5	55	+2
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	95'5	?	29	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	100'2	-13'6	30	-5
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	107'8	-19'6	33	-6
LONDONDERRY	39'1	49'7	44'4	-3'5	32	11th	62	1st	29	4'76	+0'47	0'79	7th	—	—	—	—
EDENFEL (Omagh)	36'8	48'2	42'5	-3'4	27	28th	59	1st	25	4'36	+0'60	0'57	7th	—	—	—	—
MARKREE CASTLE	36'6	50'1	43'4	-3'9	26	23rd	61	1st	25	4'90	+0'45	0'75	24th	82'0	-8'3	26	-2
ARMAGH	35'9	49'6	42'8	-4'2	28	11th, 14th	62	2nd	20	2'24	-0'80	0'43	7th	104'3	+15'8	32	+4
EDGEWORTHSTOWN	34'7	49'4	42'1	-4'8	27	23rd	60	1st, 2nd	19	2'59	-0'52	0'70	7th	—	—	—	—
ARLEY COTTAGE (Co. Cavan).	—	—	—	—	—	—	—	—	—	—	—	—	—	91'7	+3'0	29	+1
DUBLIN	39'6	50'4	45'0	-4'2	30	23rd	64	2nd	22	2'52	-0'47	0'77	7th	91'1	-17'4	28	-6
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	93'8	-3'3	29	-1
KILKENNY CASTLE	37'5	50'2	43'9	-4'5	25	28th	64	2nd	21	2'83	-0'31	0'84	7th	—	—	—	—
VALENCIA (Cahirciveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	87'3	-16'9	27	-5
KILLARNEY	36'5	†	†	†	27	29th	†	†	23	4'16	?	0'60	18th	—	—	—	—
FOYNES	39'9	49'7	44'8	-4'0	29	22nd	60	1st, 3rd	20	3'76	?	0'88	7th	—	—	—	—

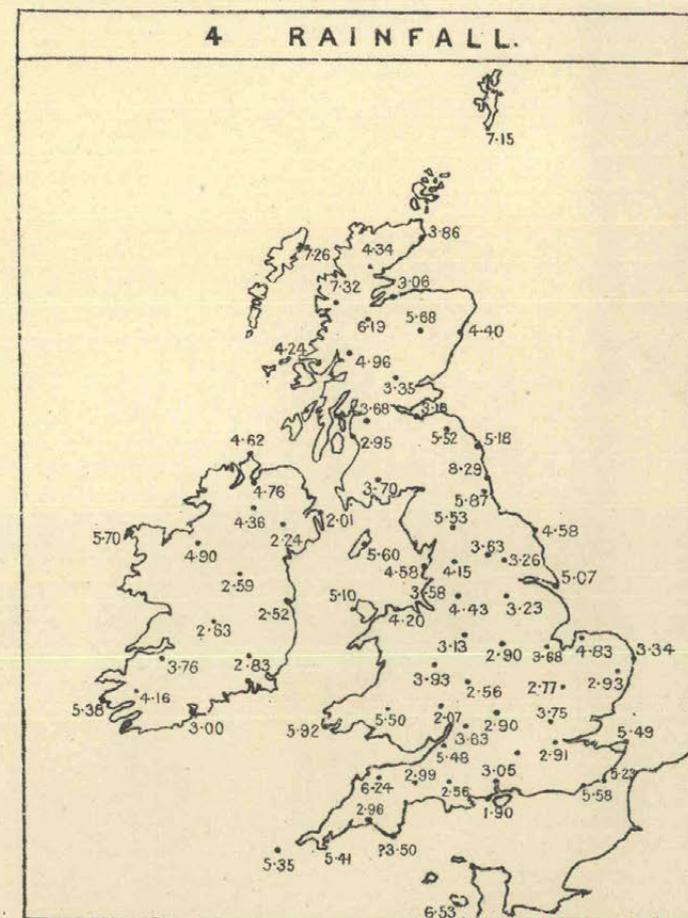
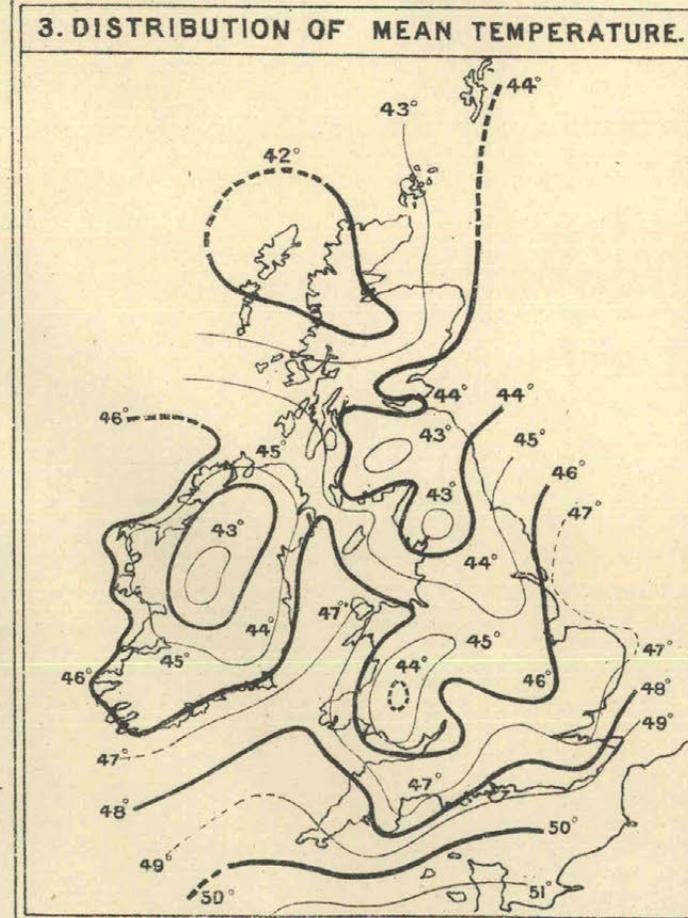
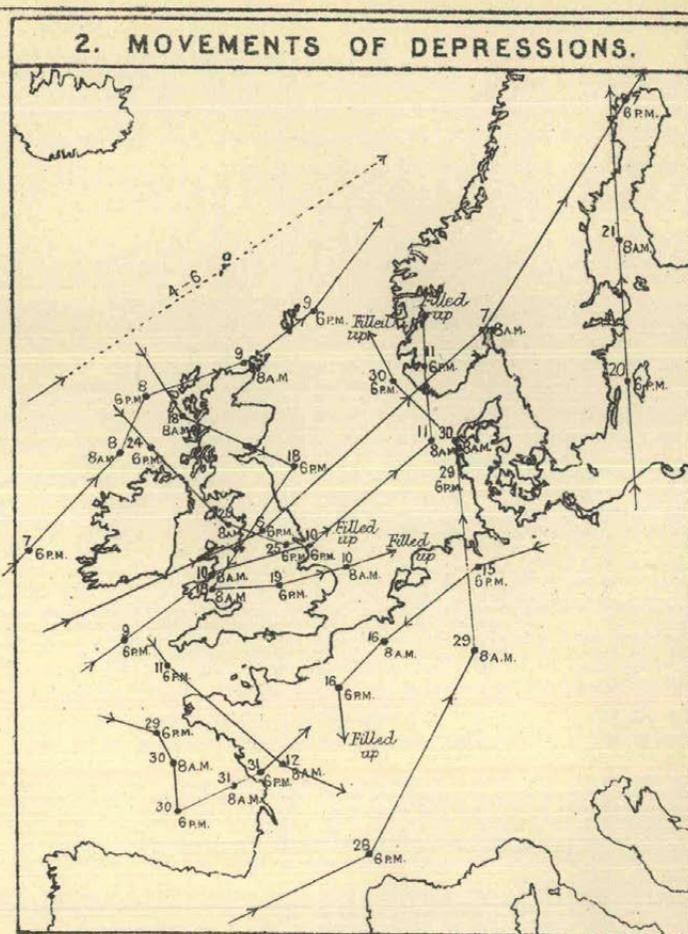
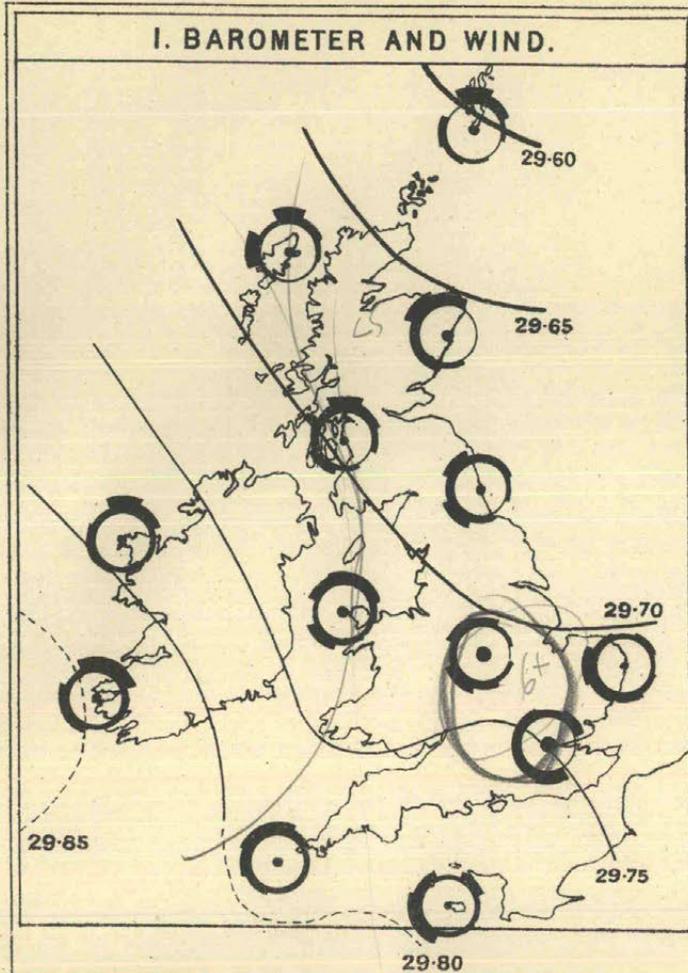
* For information, see Table XIX.

† Observations incomplete.

MONTHLY WEATHER CHART OCTOBER 1896.

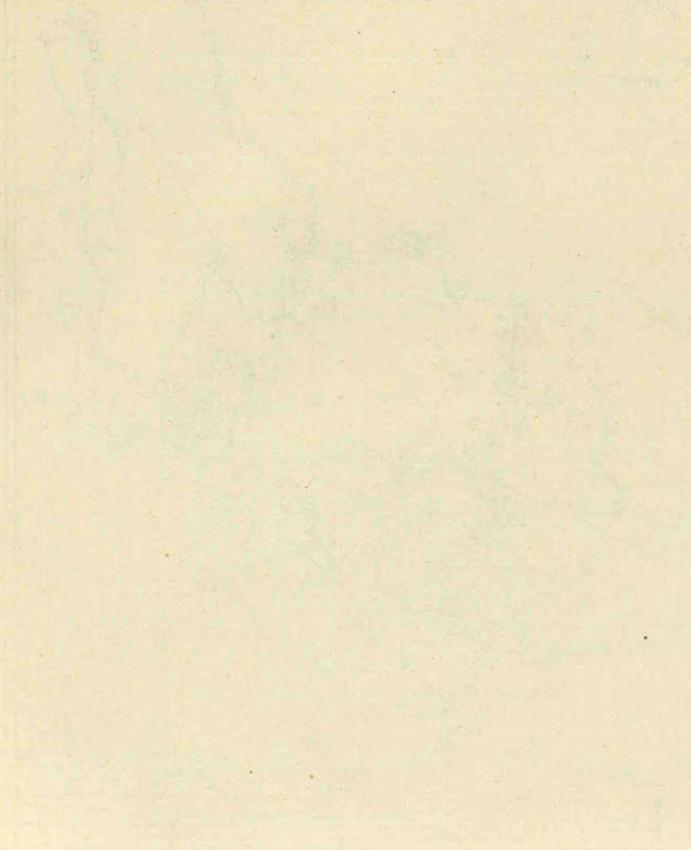
Monthly Summary.

Plate X.

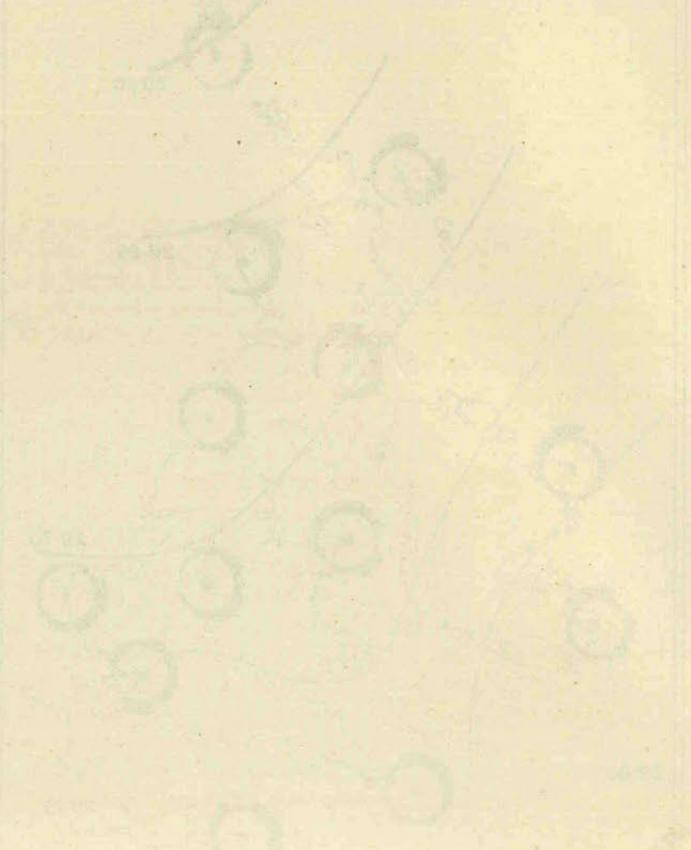


To face p. XI.

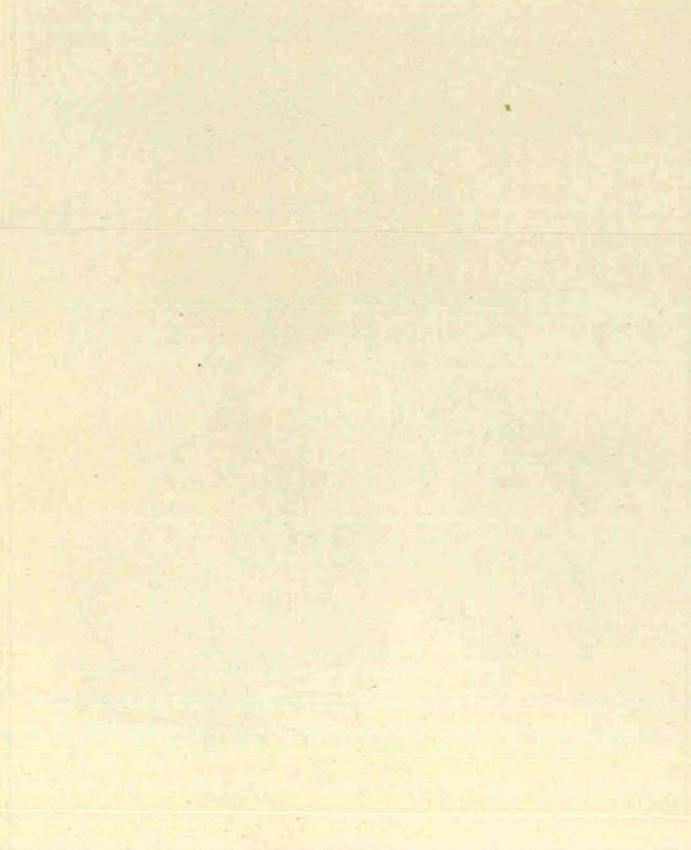
1. POSITION OF STATION



2. BAROMETER AND WIND



3. STATE OF SKY



4. STATE OF SKY



0-0

OFFICIAL COPY.

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

NOVEMBER 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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

General Summary.—The weather of November was cold and somewhat changeable, especially in the early part of the month, when rain or sleet occurred at frequent intervals. Lightning occurred on the 1st at several of our southern and eastern stations, and thunderstorms on the 19th in the west of Scotland. Pressure was in excess of the average; temperature was above the normal in Scotland, but below it over Ireland and England; the winds were mainly from West or South-West; rainfall was very deficient; bright sunshine exceeded the normal amount in England and Ireland, but was rather deficient in Scotland.

Pressure.—*Mean at 8 a.m.* ranged from 30·15 ins. and upwards over the south of Ireland, Wales, and the central parts of England to 30·00 ins. and less in the Orkneys and Shetlands. Over the country generally the mean distribution was anticyclonic, the actual values showing an excess above the average* amounting to over a quarter of an inch at all but our extreme southern stations and to over three tenths of an inch in the more central parts of the kingdom. *Highest* readings were recorded on the 24th or 25th, when the barometer rose to 30·6 ins. and upwards in all but the extreme north-western and northern districts, where the readings were very little above 30·5 ins. *Lowest* readings occurred on the 14th or 15th, when the barometer fell to 29·0 ins. and less in the west of Scotland and the extreme north of Ireland, and to 29·3 ins. and less in all other parts of the kingdom. *Range* was moderate.

Depressions.—The depressions observed in our neighbourhood were few in number, and, as a rule, of very little importance. The only system deserving note advanced over Scotland on the night of the 14th, and afterwards moved southwards across England to central France, where it filled up.

Anticyclones.—Three such systems were observed. The first two advanced from the westward respectively on the 3rd, and between the 8th and 9th, and after spreading over a considerable portion of Europe moved away to the southward, and broke up. The third extended from the south-westward on the 19th, and increased both in size and height until it finally embraced nearly the whole continent. After the 26th it moved gradually away to the northward, but at the close of the month the system (now greatly reduced in area) advanced in a southerly direction across Great Britain.

Winds.—Over the more northern and eastern parts of the kingdom the winds were mainly from the Westward or South-Westward, but in the south-west they were rather variable, with a considerable admixture of breezes from the North-Eastward. Gales were somewhat frequent on our south-western and also on our extreme northern coasts; elsewhere the weather was unusually quiet for the time of year.

Temperature.—*Mean at sea level* ranged from 47° in the Scilly Islands, and from 44° and upwards on our extreme west and south-west coasts generally, to 42° or less over central Ireland and the east of Scotland, and to 40° or less at many stations in the central and southern parts of England and Wales. In Scotland the values were above the average,* the excess being rather large in the north, but in England and Ireland there was a general deficit, amounting at several of the southern stations to more than four degrees. *Highest* readings were observed in the eastern and central districts mainly on the 11th or 12th, but in the west and north they occurred as a rule on the 21st or 22nd. Over England the thermometer rose very little above 50°, but on the east coast of Scotland and in many parts of Ireland it touched 55° or 56°. *Lowest* readings occurred in Ireland and the south-west of England on the 6th or 7th, but in other parts of the kingdom they were observed mainly between the 28th and 30th. On each of these dates sharp frost occurred over nearly the whole country, the lowest readings in the screen being 18° at Braemar and Ochtertyre, and 19° at Glenlee, Churchstoke, and Llandoverly. *Range* was moderate. *Vapour Tension* ranged from 0·29 in. at Stornoway, and 0·26 in. and upwards on our north-west and extreme south-west coasts generally, to 0·22 in. and less in the east of Scotland, and to 0·20 in. and less over central England. *Relative Humidity* varied from 99 per cent. at Stornoway and Ardrossan, and 90 per cent. or more at several of our northern and central stations, to 82 per cent. at Liverpool and Scilly.

Rainfall was very deficient over the United Kingdom generally, the only stations with any excess being Stornoway and Alnwick Castle. As a rule, the amount was considerably less than one half, while at some stations in Scotland and the west and south of England it was less than one fourth of the average.* The largest aggregates for the month were 6·7 ins. at Glencarron, 6·3 ins. at Stornoway, and 5·0 ins. at Laudale; the smallest being 0·4 in. at Leith and Hereford, and 0·7 in. at Clifton and Dublin. At Hereford, Oxford, Southampton, and Clifton there were only six rainy days, less than ten being reported at several other English stations. Snow or sleet showers fell in many of the northern and eastern districts on the 7th or 8th, and in Devonshire, Cornwall, and the Channel Islands on the 27th or 28th.

Bright Sunshine exceeded the average* amount in England and Ireland, the excess being large in the south. In Scotland, however, there was, as a rule, a deficiency—slight in most places, but considerable at Edinburgh. The per-centage of the possible duration ranged from 43 at Pembroke, 41 at Brighton, and 35 or more at many of the south coast stations to 10 at Glasgow, 9 at Edinburgh, and 6 at Manchester (Oldham Road).

* The averages employed are—*Pressure* and *Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; and *Bright Sunshine* for the 15 years, 1881–95.

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.								
				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°973	in. +0°280	43°7	39°2	47°1	43°2	+1°2	32	29th	53	22nd
	Wick	30°004	+°276	43°2	38°1	47°7	42°9	+1°6	30	9th, 30th	54	21st
	Stornoway	30°002	+°299	44°5	39°6	48°1	43°9	+2°1	30	30th	52	11th, 21st
1. SCOTLAND, E.	Nairn	30°037	+°294	42°8	37°8	48°4	43°1	+2°5	25	30th	56	22nd, 24th
	Aberdeen	30°084	+°312	40°7	36°9	45°9	41°4	-0°1	27	5th	56	11th, 22nd
	Leith	30°108	+°310	42°3	37°9	47°6	42°8	+0°1	25	30th	55	22nd
2. ENGLAND, N.E.	Shields	30°127	+°303	41°1	37°2	46°4	41°8	-1°0	28	30th	53	22nd
	York	30°157	+°298	39°5	35°2	46°4	40°8	-1°4	23	6th	51	4th, 12th, 16th, 21st, 21st
	Spurn Head	30°130	+°276	42°1	39°6	45°7	42°7	-1°1	30	30th	51	1st
3. ENGLAND, E.	Yarmouth	30°114	+°235	41°0	36°7	45°1	40°9	-2°6	28	7th, 8th	49	1st, 12th
	Cambridge	30°161	+°260	36°6	32°0	46°1	39°1	-3°4	21	30th	52	1st
4. MIDLAND COUNTIES	Loughborough	30°166	+°278	36°8	33°2	45°6	39°4	-3°2	20	30th	53	11th
	Oxford	30°166	+°258	37°1	33°9	45°9	39°9	-3°2	23	30th	51	21st
5. ENGLAND, S.	London	30°148	+°238	38°1	34°7	46°0	40°4	-3°6	26	7th	51	12th
	North Foreland	30°117	+°209	41°7	37°6	46°3	42°0	-2°8	30	28th	51	1st
	Dungeness	30°088	+°184	40°6	36°1	46°6	41°4	-3°9	29	10th, 11th, 28th, 29th, 7th	52	20th
6. SCOTLAND, W.	Hurst Castle	30°133	+°221	40°3	36°5	46°5	41°5	-4°4	29		51	13th
	Ardrossan	30°104	+°305	43°3	39°2	47°6	43°4	-0°2	27	30th	51	7th, 11th, 22nd
7. ENGLAND, N.W.	Hawes Junction*	28°887	?	35°6	32°5	41°3	36°9	?	23	9th, 30th	45	11th, 12th, 21st, 22nd, 22nd
	Liverpool	30°162	+°300	40°0	36°7	45°8	41°3	-2°6	28	6th, 7th, 30th	52	22nd
	Holyhead	30°160	+°315	43°6	39°6	47°6	43°6	-2°8	30	30th	52	22nd
8. ENGLAND, S.W.	Pembroke	30°150	+°279	44°0	40°5	48°1	44°3	-2°7	33	30th	52	12th, 13th, 18th, 19th, 21st, 1st
	Prawle Point	30°138	+°221	41°8	37°5	47°9	42°7	-4°0	30	29th	55	1st
9. IRELAND, N.	Malin Head	30°073	+°518	44°5	41°7	47°3	44°5	0°0	33	30th	52	22nd
	Donaghadee	30°128	+°309	42°7	38°0	48°4	43°2	-0°8	28	6th	55	22nd
	Belmullet	30°122	+°323	45°6	40°0	49°7	44°9	-0°6	30	9th	55	17th
10. IRELAND, S.	Parsonstown	30°152	+°300	39°0	34°1	47°9	41°0	-2°1	23	6th, 7th	56	22nd
	Valencia (Cahireiveen)	30°157	+°290	45°0	39°3	50°1	44°7	-2°9	27	6th	55	12th
	Roche's Point	30°164	+°295	43°9	39°9	49°3	44°6	-2°0	33	10th	53	7th, 13th
CHANNEL ISLANDS	Scilly	30°114	+°216	47°6	42°8	50°5	46°7	-2°9	34	29th	54	13th, 18th, 21st
	Jersey	30°111	+°174	43°5	40°3	48°9	44°6	-3°7	31	30th	55	20th

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

SUMMARY OF OBSERVATIONS, NOVEMBER 1896.

REPORTING STATIONS in the BRITISH ISLANDS during the Month of NOVEMBER 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.			Date.	WEATHER, No. of Days of							WIND, No. of Observations of								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.		Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calms.
0.251	88	9.2	ins. 3.15	ins. -0.99	ins. 0.68	10th	25	1	0	0	0	24	2	2	1	0	2	6	4	8	4	3
0.257	92	7.2	1.64	-1.29	0.50	6th	18	1	2	0	2	12	4	4	1	2	1	8	2	7	3	2
0.292	99	0.8	6.27	+1.47	1.15	6th	18	0	1	0	0	29	6	4	1	2	1	3	9	8	2	0
0.240	88	6.7	0.97	-1.17	0.56	6th	11	0	0	0	2	11	0	1	1	1	0	0	6	12	0	9
0.220	87	6.9	1.28	-1.88	0.30	14th	18	2	2	0	0	12	3	3	2	0	1	4	8	9	3	0
0.234	87	7.0	0.44	-1.61	0.09	6th	12	0	0	0	1	14	0	2	2	2	2	4	7	7	2	2
0.232	90	7.9	1.18	-1.21	0.23	15th	17	0	1	0	1	14	0	1	4	1	1	2	10	5	2	4
0.217	90	7.2	1.57	-0.64	0.44	7th	12	0	0	0	5	14	0	7	2	4	0	5	3	6	2	1
0.240	90	6.1	1.41	-0.87	0.45	7th	13	0	0	0	5	9	1	3	3	5	1	2	4	7	5	0
0.217	85	5.4	1.24	-1.68	0.51	14th	11	0	2	0	8	6	5	3	4	7	2	0	3	8	2	1
0.199	92	6.6	0.79	-1.28	0.41	7th	8	0	0	0	10	19	0	7	2	3	0	2	7	1	7	1
0.195	90	7.1	1.25	-0.96	0.55	7th	12	0	0	0	4	12	0	3	2	3	4	0	3	7	6	2
0.195	88	6.1	0.79	-1.63	0.35	7th	6	0	0	1	11	13	0	8	6	1	1	2	8	3	1	0
0.203	88	6.8	1.15	-1.16	0.43	7th	9	0	0	0	7	17	3	4	5	5	2	1	4	5	2	2
0.226	86	7.9	1.74	?	0.46	2nd	10	1	1	0	3	19	2	4	3	10	0	2	1	5	5	9
0.225	89	7.3	1.66	-1.64	0.42	7th	12	0	0	0	1	14	5	5	7	7	0	1	1	5	4	0
0.217	88	6.6	0.75	-2.36	0.31	14th	8	1	0	0	4	11	2	4	12	4	0	0	1	7	2	0
0.275	99	7.2	1.26	-2.52	0.30	17th	12	0	1	0	4	15	0	1	5	1	2	5	6	3	1	6
0.205	99	7.5	2.08	?	0.64	14th	14	0	0	0	2	19	0	4	3	7	3	2	5	6	0	0
0.202	82	5.8	1.07	-1.74	0.53	7th	7	0	0	0	11	13	0	5	3	3	5	2	3	4	0	5
0.236	83	6.7	1.70	-2.26	0.49	14th	9	0	0	0	2	10	2	3	6	2	1	9	5	3	0	1
0.255	88	6.1	1.26	-2.78	0.44	14th	9	0	0	0	8	13	2	0	4	11	2	1	3	4	5	0
0.220	87	7.2	0.99	-2.27	0.45	14th	10	2	0	0	0	12	6	7	7	4	2	0	4	3	3	0
0.273	93	8.7	0.86	?	0.22	14th	11	0	0	0	1	22	2	3	1	5	2	11	4	3	3	0
0.259	94	6.6	1.13	-1.97	0.38	14th	14	0	0	0	0	9	3	1	6	2	1	2	11	6	1	0
0.265	87	8.5	1.92	-4.00	0.61	13th	10	0	0	0	3	22	2	3	3	3	3	4	5	5	4	0
0.218	92	7.2	1.05	-1.81	0.47	14th	10	0	0	0	3	17	0	2	0	1	4	1	0	3	1	18
0.247	83	7.8	1.98	-3.65	0.73	13th	14	0	0	0	1	18	2	2	5	5	3	7	3	2	2	1
0.256	89	6.4	1.73	-3.06	0.40	13th	12	0	0	0	0	8	6	8	5	2	2	2	4	4	3	0
0.268	82	7.2	1.08	-2.72	0.42	14th	12	1	0	0	0	5	7	4	8	4	1	4	4	2	3	0
0.246	87	6.4	1.69	-2.50	0.65	14th	14	2	3	1	3	13	6	3	7	7	2	1	1	3	6	0

barometer at this station is not reduced for altitude.

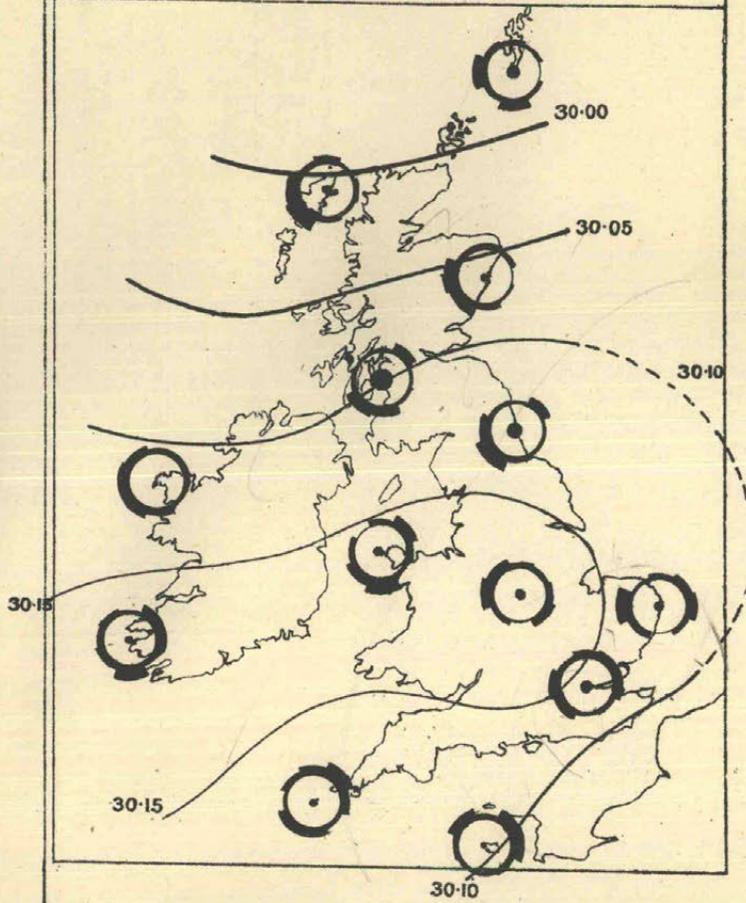
TABLE XXII.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT for the Month of NOVEMBER 1896.

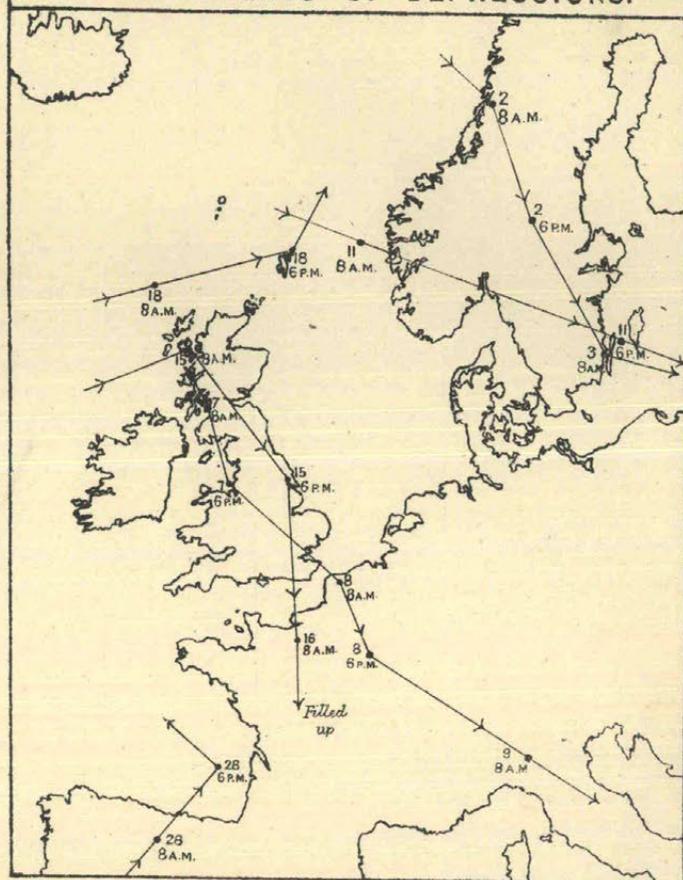
STATIONS.	AIR TEMPERATURE.								RAINFALL.				BRIGHT SUNSHINE.				
	Means of				Absolute Extremes.				No. of Rainy Days.	Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.	Date.	No. of Hours recorded.	Difference from Average.	Percentage of possible Duration.	Difference from Average.
	Minima.	Maxima.	Min. and Max. combined.	Difference from Average.	Minimum.	Date.	Maximum.	Date.									
STORNOWAY	°	°	°	°	°	*	*	*	ins.	ins.	ins.	*	25.2	-16.9	11	-	7
LAIRG	36.1	46.7	41.4	+ 1.4	25	30th	59	24th	14	1.46	-2.07	0.28	6th	—	—	—	—
GLENCARRON	37.5	46.3	41.9	+ 1.8	27	30th	52	22nd	20	6.67	-2.96	1.48	10th	—	—	—	—
FORT AUGUSTUS	37.7	47.3	42.5	+ 1.0	24	4th, 30th	53	11th, 22nd, 23rd	14	1.47	-2.89	0.46	19th	25.6	+ 9.3	11	+ 4
FORT WILLIAM	39.3	46.8	43.1	+ 0.8	24	30th	53	11th	16	4.45	-3.46	0.68	6th	25.1	- 2.5	11	- 1
ABERDEEN	*	*	*	*	*	*	*	*	*	*	*	*	*	49.8	- 4.9	21	- 2
BRAEMAR	34.4	43.3	38.9	+ 1.0	18	30th	53	22nd	11	1.74	-2.62	0.20	6th, 14th	44.7	+16.5	19	+ 7
EDINBURGH	—	—	—	—	—	—	—	—	—	—	—	—	—	22.5	-26.8	9	- 12
OCHTERTYRE	36.1	47.4	41.8	+ 1.2	18	30th	54	11th	7	0.90	-3.47	0.28	14th	—	—	—	—
MARCHMONT	34.5	45.3	39.9	- 0.2	22	30th	49	12th, 21st, 22nd	17	1.50	-1.89	0.27	27th	44.8	- 9.0	19	- 4
ALNWICK CASTLE	37.3	46.6	42.0	+ 0.1	22	17th	55	11th	18	3.30	+0.11	0.88	1st	—	—	—	—
DURHAM	34.6	45.5	40.1	- 1.2	22	30th	53	11th	17	1.34	-1.43	0.39	7th	52.1	- 0.3	21	0
SCARBOROUGH	38.5	45.6	42.1	+ 1.1	29	6th, 30th	51	11th	12	1.12	-1.81	0.43	7th	—	—	—	—
OSWALDKIRK	—	—	—	—	—	—	—	—	—	—	—	—	—	66.9	+20.8	27	+ 8
YORK	—	—	—	—	—	—	—	—	—	—	—	—	—	53.2	+13.5	21	+ 5
HILLINGTON	33.9	45.6	39.8	- 2.4	22	7th, 30th	52	1st	7	1.06	-1.67	0.41	7th	76.8	+24.4	30	+ 9
GELDESTON	35.1	46.1	40.6	- 2.8	23	30th	51	4th, 12th	14	1.55	-1.10	0.53	14th	81.2	+20.0	32	+ 8
CAMBRIDGE	*	*	*	*	*	*	*	*	*	*	*	*	*	79.0	+17.3	31	+ 7
ROTHAMSTED	33.3	44.7	39.0	- 3.1	24	7th, 30th	51	12th, 21st	12	1.24	-1.55	0.45	7th	89.5	+30.8	35	+ 12
HARROGATE	35.9	44.7	40.3	- 0.3	23	30th	50	12th, 21st	12	1.47	?	0.68	7th	46.8	?	19	?
BAWTRY	34.2	44.8	39.5	- 2.6	20	6th, 30th	51	11th	11	1.18	-0.91	0.60	7th	—	—	—	—
WORKSOP	—	—	—	—	—	—	—	—	—	—	—	—	—	55.2	+ 8.8	22	+ 4
STAMFORD (Buddington)	33.1	44.7	38.9	- 3.5	21	30th	51	12th	10	1.16	-1.48	0.55	7th	—	—	—	—
THURCASTON	—	—	—	—	—	—	—	—	—	—	—	—	—	66.1	+14.7	26	+ 6
CHEADLE	34.4	44.1	39.3	- 2.0	26	30th	51	11th	10	1.36	-1.71	0.45	7th	—	—	—	—
SHIRLEY (near Solihull)	33.2	44.9	39.1	- 2.9	24	6th, 30th	50	11th	9	1.18	?	0.44	7th	—	—	—	—
CHURCHTOKE	32.0	44.8	38.4	- 3.5	19	6th	52	12th	11	1.04	-2.37	0.42	14th	65.9	+17.3	26	+ 7
HEREFORD	32.6	45.1	38.9	- 4.3	21	30th	52	12th	6	0.44	-2.16	0.17	15th	—	—	—	—
CIRENCESTER	32.9	44.8	38.9	- 2.9	24	30th	51	12th	8	0.75	-2.34	0.34	14th	85.8	+32.1	33	+ 12
OXFORD	*	*	*	*	*	*	*	*	*	*	*	*	*	90.8	+35.4	35	+ 13
LONDON	*	*	*	*	*	*	*	*	*	*	*	*	*	41.7	+ 5.5	16	+ 2
MARGATE	—	—	—	—	—	—	—	—	—	—	—	—	—	74.8	+14.0	29	+ 6
HASTINGS	37.3	46.5	41.9	- 3.2	30	27th, 28th, 29th	53	13th	10	1.76	-1.57	0.54	7th	103.4	+36.2	39	+ 13
EASTBOURNE	—	—	—	—	—	—	—	—	—	—	—	—	—	99.8	+40.7	38	+ 15
BRIGHTON	—	—	—	—	—	—	—	—	—	—	—	—	—	107.8	+44.4	41	+ 17
WESTBOURNE (Sussex)	—	—	—	—	—	—	—	—	—	—	—	—	—	93.9	+39.3	36	+ 15
SOUTHAMPTON	35.0	47.5	41.3	- 3.5	27	7th	54	20th	6	0.85	-2.24	0.47	14th	85.0	+26.2	32	+ 10
STOWELL	32.7	45.1	38.9	- 4.6	21	7th	50	19th	12	1.10	-2.52	0.39	14th	—	—	—	—
LAUDALE	39.1	48.6	43.9	+ 0.7	29	3rd, 4th	54	21st, 22nd	16	4.96	-3.75	1.00	10th	—	—	—	—
GLASGOW	38.6	46.0	42.3	+ 0.6	25	30th	51	11th, 22nd, 23rd	11	1.06	-2.71	0.27	6th	23.5	- 4.1	10	- 2
GLENLEE	33.9	45.9	39.9	- 1.2	19	4th, 30th	51	22nd	15	2.03	-4.29	0.50	13th	—	—	—	—
DOUGLAS	37.7	48.0	42.9	- 1.5	26	4th	54	22nd	9	2.18	-2.44	0.57	14th	72.5	+10.9	29	+ 4
STONYHURST	35.3	43.9	39.6	- 2.8	24	6th	49	11th, 12th	12	1.52	-3.00	0.70	7th	60.0	+17.2	24	+ 7
BLACKPOOL	34.1	47.0	40.6	- 2.6	23	30th	53	12th	8	1.56	-1.85	0.75	7th	57.8	+14.8	23	+ 6
SOUTHPORT	—	—	—	—	—	—	—	—	—	—	—	—	—	51.9	?	21	?
MANCHESTER (Prestwich)	34.2	45.3	39.8	- 2.6	25	4th, 6th, 30th	51	12th	10	1.29	-2.20	0.52	7th	31.8	?	13	?
„ (Oldham Road)	—	—	—	—	—	—	—	—	—	—	—	—	—	16.2	?	6	?
LLANDUDNO	38.7	47.9	43.3	- 2.2	30	30th	56	11th	8	1.04	-2.41	0.42	7th	—	—	—	—
COLWYN BAY	—	—	—	—	—	—	—	—	—	—	—	—	—	76.7	?	30	?
LLANDOVERY	30.4	46.7	38.6	- 4.5	19	7th	53	12th	13	1.42	-3.73	0.37	15th	—	—	—	—
PEMBROKE	*	*	*	*	*	*	*	*	*	*	*	*	*	111.1	+52.3	43	+ 20
CLIFTON	34.7	45.0	39.9	- 3.6	27	7th, 30th	50	19th	6	0.68	-2.78	0.33	14th	—	—	—	—
TENBY	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
ARLINGTON	34.5	45.6	40.1	- 3.7	27	7th, 10th	50	7th, 12th, 18th, 19th, 20th	12	1.73	-4.45	0.53	7th	—	—	—	—
CULLOMPTON	31.6	46.5	39.1	- 4.6	21	7th	52	12th, 20th	10	0.99	-2.71	0.32	14th	86.3	+35.3	33	+ 14
TORQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	83.4	+22.9	31	+ 8
NEWQUAY	—	—	—	—	—	—	—	—	—	—	—	—	—	86.1	+13.0	32	+ 5
FALMOUTH	39.2	48.3	43.8	- 3.9	32	28th	53	18th	12	1.62	-3.83	0.68	14th	86.0	+17.3	32	+ 6
PLYMOUTH	36.5	48.1	42.3	- 4.3	30	3rd, 10th, 28th	52	12th, 18th, 20th	12	1.03	-2.74	0.55	14th	80.0	+20.2	30	+ 8
SCILLY	*	*	*	*	*	*	*	*	*	*	*	*	*	74.7	?	28	?
GUERNSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	79.5	+21.3	29	+ 8
JERSEY	—	—	—	—	—	—	—	—	—	—	—	—	—	83.7	+12.8	31	+ 5
LONDONDERRY	38.7	47.8	43.3	+ 0.3	30	6th, 30th	55	16th	14	1.42	-2.77	0.37	14th	—	—	—	—
EDENFEL (Omagh)	36.2	46.2	41.2	- 0.1	23	6th	52	22nd	11	1.35	-2.28	0.41	14th	—	—	—	—
MARRKEE CASTLE	35.6	47.9	41.8	- 0.9	22	6th	54	21st	10	1.55	-2.50	0.35	15th	57.7	0.0	23	0
ARMAGH	35.8	47.0	41.4	- 0.8	25	30th	52	12th, 21st, 22nd	10	0.79	-2.04	0.23	14th	69.7	+10.5	28	+ 4
EDGEWORTHSTOWN	34.4	47.4	40.9	- 1.3	21	6th	55	6th	10	1.44	-2.04	0.52	17th	—	—	—	—
ARLEY COTTAGE (County Cavan).	—	—	—	—	—	—	—	—	—	—	—	—	—	74.7	+10.0	30	+ 4
DUBLIN	38.6	47.8	43.2	- 1.8	26	6th	54	22nd	9	0.66	-1.82	0.19	14th	78.1	+ 6.3	31	+ 3
PARSONSTOWN	*	*	*	*	*	*	*	*	*	*	*	*	*	79.7	+16.6	31	+ 6
KILKENNY CASTLE	34.1	48.1	41.1	- 3.1	23	5th, 6th, 7th	52	7th	9	0.91	-1.90	0.30	14th	—	—	—	—
VALENCIA (Cahiriveen)	*	*	*	*	*	*	*	*	*	*	*	*	*	92.0	+28.2	36	+ 11
KILLARNEY	36.1	49.5	42.8	- 2.7	21	6th	54	17th, 22nd	11	1.55	?	0.76	13th	—	—	—	—
FOYNES	37.7	47.9	42.8	- 2.0	26	6th	54	22nd	12	0.91	?	0.18	17th	—	—	—	—

* For information, see Table XXI.

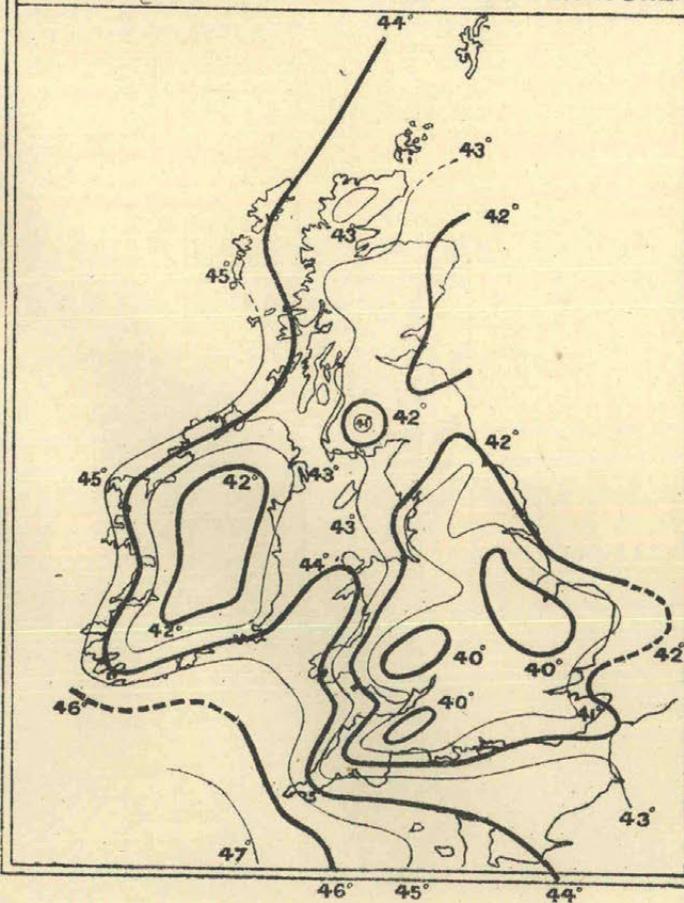
1. BAROMETER AND WIND.



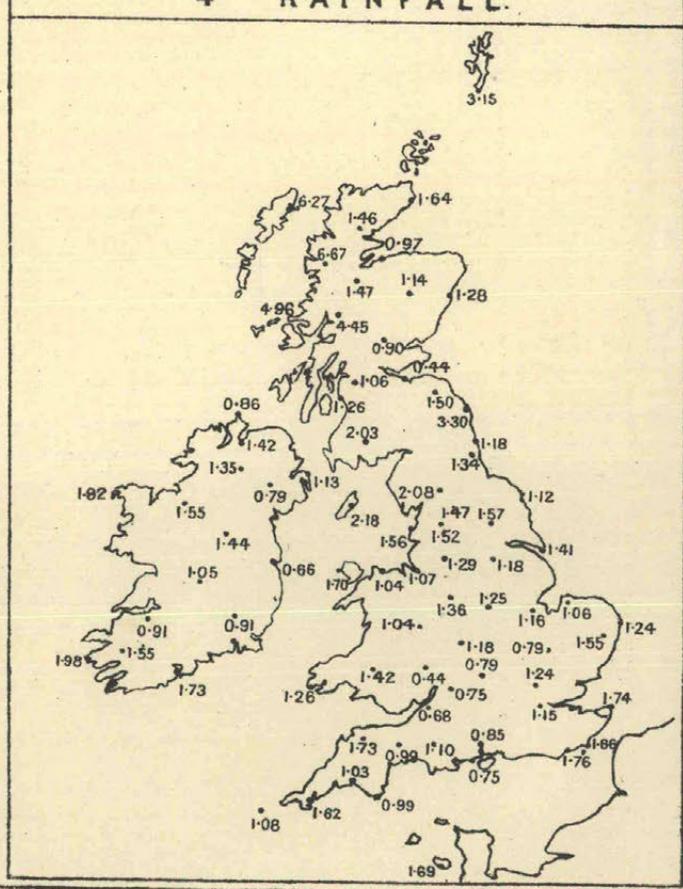
2. MOVEMENTS OF DEPRESSIONS.



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,

DECEMBER 1896.

(Issued as a Supplement to the Weekly Weather Report, 1896.)

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 changeable, with frequent falls of rain in the earlier half of month, and with snow showers in many places between the 14th and 22nd. Early on the 17th a distinct earthquake shock was experienced over nearly the whole of England and Wales—rather severely in the western counties. Pressure was low; temperature was above the average, excepting in the west; the winds varied greatly in direction; rainfall was largely in excess of the normal; bright sunshine was deficient over Great Britain as a whole, but fairly abundant in Ireland.

Pressure.—*Mean at 8 a.m.* ranged from 29·8 ins. and upwards over the eastern and central parts of the English Channel to 29·65 ins. and less in the extreme north and north-west of our islands generally, and to very little above 29·6 ins. in the Hebrides. The actual values were below the average* at all stations excepting Sumburgh Head, the deficit being greatest on our south-west coasts, where it amounted to about 0·2 in. *Highest* readings were recorded on the 23rd, when the barometer rose to 30·1 ins. and upwards in Scotland, and to 30·2 ins. and upwards in most parts of Ireland and England. *Lowest* readings occurred between the 4th and 6th, when the barometer fell below 28·8 ins. very generally and below 28·5 ins. at several of the English Channel stations. The reading of 28·32 ins. registered at St. Aubin's, Jersey, at 7 p.m., on the 4th, was apparently the lowest recorded in that locality for very many years. *Range* was large in the south, but moderate elsewhere.

Depressions were numerous, especially in the early part of the month, when their centres travelled in many cases directly over the United Kingdom. Later on the systems passed in a north-easterly direction outside our north-western and northern coasts, one of the larger disturbances being, however, accompanied on the 28th by a well marked secondary depression which advanced eastwards across the northern parts of Ireland and England.

Anticyclones were rarely observed in our own immediate neighbourhood, the highest pressures being located as a rule over Russia and Scandinavia. On the 20th, however, an anticyclone from those regions spread temporarily over our islands, while on the 22nd and 23rd a system of moderate intensity was developed immediately over us, the latter soon passing away, however, to the eastward. During the closing week the northern anticyclone gave way, and pressure became highest over southern Europe.

Winds.—During the earlier half of the month the winds varied greatly in direction, but towards its close they were chiefly South-westerly. Gales were comparatively rare in the south-east, but were frequent in the west and north, the number of days being as large as 16 at Aberdeen, 15 at Wick, and 14 at Scilly. The gales accompanying the depression of the 4th–5th were of considerable severity,—(1) from the Southward in the eastern part of the English Channel; (2) from the Northward and North-eastward in the Scilly Islands; and (3) from the Eastward and South-eastward in the east of Scotland.

Temperature.—*Mean at Sea Level* ranged from 47° in the Scilly Islands, and 43° and upwards on our extreme south-west coasts generally, to 39° and less in the more central parts of the kingdom, and to 38° and less at several inland stations in the northern parts of Ireland and Scotland. At most of our western stations, and especially at those on the coast, the actual values were slightly below the average,* but in other parts of the kingdom there was an excess of warmth. *Highest* readings were observed mainly about the 26th, when the thermometer reached 55° or more at several stations; at Leith, on the 25th, it rose as high as 60°. *Lowest* readings occurred at various times in the different districts, but mostly on the 1st or between the 17th and 24th; at several inland stations in the more northern parts of the kingdom the thermometer on one or other of these dates fell below 20°, the lowest readings of all being 9° at Braemar on the 23rd, and 13° at Lairg and 14° at Edenfel, both on the 20th. *Vapour Tension* ranged from 0·29 inch at Scilly, and 0·24 inch or more on our extreme western and southern coasts generally, to 0·21 inch or less at several stations in the northern and central parts of the kingdom. *Relative Humidity* exceeded 90 per cent. over a considerable portion of our islands, and was as high as 99 per cent. at Ardrossan; at Valencia, however, the per-centage value was only 82.

Rainfall was in excess of the average* in all localities excepting the Shetlands, the north west of Scotland, and isolated portions of the east and south-east coasts of England. As a rule the excess was considerable, and especially so in the north-eastern and south-western parts of Great Britain, where the fall was in some cases more than twice as much as the average. The largest aggregates recorded were 10·7 ins. at Falmouth, 8·7 ins. at Valencia, and 8·6 ins. at Fort William; the smallest being 2·4 ins. at Bawtry, 2·5 ins. at Leith, Cambridge, and Yarmouth, and 2·6 ins. at Nairn. The number of rainy days was also very large, more than 25 being recorded at many western and northern stations, and as many as 29 at Sumburgh Head, Marchmont, Stamford, and Scilly. Falls exceeding an inch in 24 hours were experienced on various occasions, the heaviest of all being 2·0 ins. at Falmouth on the 14th, and 1·9 ins. at Fort William on the 25th.

Bright Sunshine.—The amount was in excess of the average* at most of the stations in Ireland and Cornwall, as well as at Douglas, Fort Augustus, and Fort William. Elsewhere, however, there was a deficiency. The per-centage of the possible duration ranged from 28 at Falmouth to 6 in London and at Fort Augustus, 4 at Edinburgh, 3 at Prestwich, and to only 1 at Manchester (Oldham Road).

* The averages employed are—*Pressure and Temperature* for the 25 years, 1871–95; *Rainfall* for the 30 years, 1866–95; and *Bright Sunshine* for the 15 years, 1881–95.

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°671	ins. +0°015	40°5	37°3	43°1	40°2	+1°0	29	18th	49	26th
	Wick	29°627	-°072	39°8	34°9	43°7	39°3	+1°6	25	16th	55	26th
	Stornoway	29°602	-°086	40°2	33°6	44°3	39°0	+0°1	23	1st	51	26th
1. SCOTLAND, E.	Nairn	29°643	-°084	37°7	30°4	43°0	36°7	-0°6	18	21st	56	26th
	Aberdeen	29°695	-°063	38°5	34°7	42°8	38°8	+1°4	23	1st	55	26th
	Leith	29°680	-°117	39°5	34°4	44°6	39°5	+0°6	23	1st	60	25th
2. ENGLAND, N.E.	Shields	29°704	-°132	39°7	35°3	44°5	39°9	+1°4	28	1st, 24th	54	26th
	York	29°737	-°149	37°9	33°3	43°3	38°3	+0°8	24	1st, 17th	55	26th
	Spurn Head	29°726	-°144	39°7	36°5	43°0	39°8	+0°8	29	17th	51	26th
3. ENGLAND, E.	Yarmouth	29°764	-°151	38°9	34°8	42°4	38°6	+0°6	24	24th	49	31st
	Cambridge	29°780	-°161	37°8	32°4	44°1	38°3	+0°9	22	1st	54	26th
4. MIDLAND COUNTIES	Loughborough	29°754	-°168	37°9	33°5	43°7	38°6	+0°9	20	1st	53	26th, 30th
	Oxford	29°778	-°178	38°5	34°0	44°4	39°2	+0°8	23	1st	53	26th
5. ENGLAND, S.	London	29°790	-°166	38°6	34°3	44°1	39°2	0°0	25	17th	52	3rd
	North Foreland	29°795	-°160	40°1	36°2	44°6	40°4	+0°6	26	18th	50	9th, 31st
	Dungeness	29°773	-°181	40°5	36°9	44°8	40°9	+0°6	24	18th	50	6th
	Hurst Castle	29°788	-°174	42°0	37°4	46°0	41°7	+0°4	27	17th	51	3rd
6. SCOTLAND, W.	Ardrossan	29°669	-°140	39°5	35°4	43°8	39°6	-0°9	26	1st, 20th	52	26th
7. ENGLAND, N.W.	Hawes Junction*	28°475	?	34°8	30°7	39°3	35°0	?	22	1st	48	26th
	Liverpool	29°725	-°166	39°0	34°9	44°0	39°5	-0°3	28	22nd	55	26th
	Holyhead	29°704	-°172	42°7	38°3	45°6	42°0	-0°9	30	21st	51	2nd
8. ENGLAND, S.W.	Pembroke	29°725	-°189	43°7	39°9	46°4	43°2	-0°6	33	18th	50	2, 9, 10, 25, 26, 27, 28, 2nd, 31st
	Prawle Point	29°784	-°186	42°5	38°2	46°7	42°5	-0°4	29	18th, 19th	51	
9. IRELAND, N.	Malin Head	29°620	-°148	40°7	37°1	44°5	40°8	-0°9	31	20th	53	26th
	Donaghadee	29°680	-°160	40°7	35°4	45°4	40°4	-0°7	29	4th, 16th, 23rd, 24th, 19th	55	26th
	Belmullet	29°652	-°170	42°1	35°2	46°7	41°0	-2°0	26		53	2nd
10. IRELAND, S.	Parsonstown	29°690	-°201	37°7	31°4	45°1	38°3	-1°0	16	20th, 21st	55	26th
	Valencia	29°694	-°206	44°7	38°5	49°1	43°8	-1°4	27	19th, 20th, 23rd	56	1st
	Roche's Point	29°716	-°192	43°3	38°3	47°7	43°0	-0°8	28	20th	53	26th
CHANNEL ISLANDS	Scilly	29°734	-°216	47°7	43°2	50°3	46°8	+0°1	36	19th, 20th	54	2nd
	Jersey	29°835	-°158	44°4	40°3	48°1	44°2	+0°5	30	24th	53	9th

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

REPORTING STATIONS in the BRITISH ISLANDS during the Month of DECEMBER 1896.

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

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

TENSION OF VAPOUR.	RELATIVE HUMIDITY.	AMOUNT OF CLOUD.	RAINFALL.				Date.	WEATHER. No. of Days of							WIND. No. of Observations of								
			Total Fall in the Month.	Difference from Average.	Maximum Fall in One Day.			Rain.	Snow.	Hail.	Thunderstorms.	Clear Sky.	Overcast.	Gales.	North.	N.E.	East.	S.E.	South.	S.W.	West.	N.W.	Calm.
			ins.	ins.	ins.																		
0.224	90	8.9	3.84	-0.43	0.54	11th	29	2	0	0	0	24	6	1	2	3	12	4	1	4	2	2	
.232	96	7.2	4.35	+1.18	0.51	6th	25	4	1	0	3	14	15	2	0	2	3	11	1	6	6	0	
.239	96	8.1	5.37	-0.27	0.60	26th	27	3	0	0	1	20	4	4	0	1	6	5	4	7	4	0	
.202	90	7.1	2.55	+0.61	0.42	6th	25	4	0	0	2	13	1	0	0	1	3	1	2	8	1	15	
.208	90	7.5	6.87	+3.76	1.02	3rd	27	6	4	0	0	15	16	3	0	1	7	4	11	3	2	0	
.221	91	8.5	2.54	+0.65	0.44	14th	22	1	0	0	1	22	1	2	1	5	3	3	5	4	2	6	
.228	93	8.1	4.23	+1.91	0.61	18th	22	4	3	0	0	17	2	0	4	3	4	4	8	5	2	1	
.215	95	7.2	3.09	+0.88	0.55	4th	26	3	0	0	6	17	0	5	1	4	2	8	5	4	2	0	
.230	94	7.2	3.10	+1.05	0.35	2nd	22	1	1	0	4	18	1	0	2	3	6	5	7	5	3	0	
.213	91	6.5	2.45	-0.08	0.41	28th	24	1	1	0	3	9	5	0	2	2	4	6	7	5	5	0	
.212	94	7.9	2.54	+0.72	0.45	2nd	23	5	0	0	6	23	2	4	1	1	3	9	8	2	3	0	
.209	92	8.4	3.55	+1.31	0.54	2nd	23	5	0	0	1	20	4	3	1	3	7	1	5	6	3	2	
.214	92	7.7	3.13	+1.03	0.47	4th	22	4	0	0	5	20	1	4	1	2	5	6	6	3	3	1	
.213	91	7.5	3.18	+1.07	0.57	4th	22	2	0	0	4	17	5	2	2	0	5	7	5	6	3	1	
.227	92	8.7	3.33	?	0.44	24th	23	0	1	0	1	22	0	3	1	2	2	7	8	7	1	0	
.241	96	8.3	2.68	-0.11	0.55	13th	23	4	0	0	0	16	4	6	0	1	3	6	5	4	6	0	
.233	88	8.0	3.95	+1.18	0.75	13th	21	1	1	0	0	16	0	4	4	2	3	2	9	4	3	0	
.240	99	7.4	4.49	+0.83	1.02	29th	24	0	0	0	3	18	3	3	9	1	1	5	1	3	3	5	
.202	100	7.7	8.31	?	1.38	29th	27	6	0	0	0	19	0	2	4	5	6	6	6	2	0	0	
.209	88	6.9	3.38	+0.76	0.52	24th	23	3	1	1	6	16	0	3	1	4	9	3	2	6	2	1	
.239	87	8.4	6.90	+3.07	0.74	27th	24	0	1	0	0	15	10	1	7	4	1	5	6	4	2	1	
.247	86	6.6	6.30	+2.34	0.81	10th	24	0	0	0	6	15	9	2	3	4	5	1	6	4	6	0	
.246	90	7.5	5.83	+2.06	1.15	1st	26	1	0	0	0	11	9	4	1	2	4	2	6	6	6	0	
.237	93	7.1	2.87	?	0.50	29th	25	0	4	0	3	16	4	3	0	4	2	15	1	3	3	0	
.248	97	6.5	4.44	+1.59	0.68	27th	22	0	0	0	1	10	11	1	4	3	3	2	7	8	3	0	
.244	91	8.1	6.02	+0.66	1.03	29th	24	0	0	0	3	18	2	4	3	3	4	3	5	6	3	0	
.210	93	8.5	4.26	+1.17	0.73	27th	22	0	0	0	1	21	0	1	0	2	10	5	0	2	4	7	
.242	82	7.2	8.70	+2.77	1.08	27th	27	0	2	0	1	14	11	3	3	1	6	5	5	5	3	0	
.258	92	6.5	6.30	+1.14	1.20	13th	23	0	0	0	0	14	11	6	2	1	2	4	5	5	6	0	
.289	88	7.8	5.26	+1.26	0.83	10th	29	0	2	0	0	10	14	3	1	2	3	8	2	4	8	0	
.258	88	7.1	4.88	+1.12	0.68	16th	26	3	3	0	0	14	6	3	2	0	6	4	4	7	4	1	

Barometer at this station is not reduced for altitude.

TABLE XXIV.

OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE obtained from the VALUES supplied for use in the WEEKLY WEATHER REPORT, for the Month of DECEMBER 1896.

Table with columns: NAMES OF STATIONS, AIR TEMPERATURE (Means of, Absolute Extremes), RAINFALL (No. of Rainy Days, Total Fall in the Month, Difference from Average, Maximum Fall in One Day, Date), BRIGHT SUNSHINE (No. of Hours recorded, Difference from Average, Per-centage of possible Duration, Difference from Average). Rows list various stations like STORNOWAY, LAIRG, GLENCARRON, etc.

* For information, see Table XXIII.

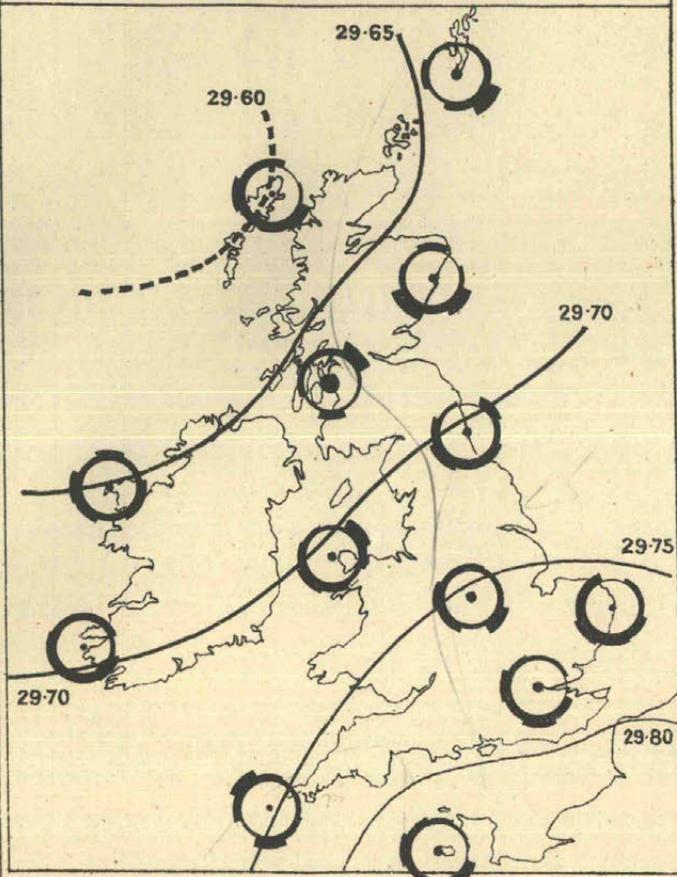
† Instrument out of adjustment.

MONTHLY WEATHER CHART DECEMBER 1896.

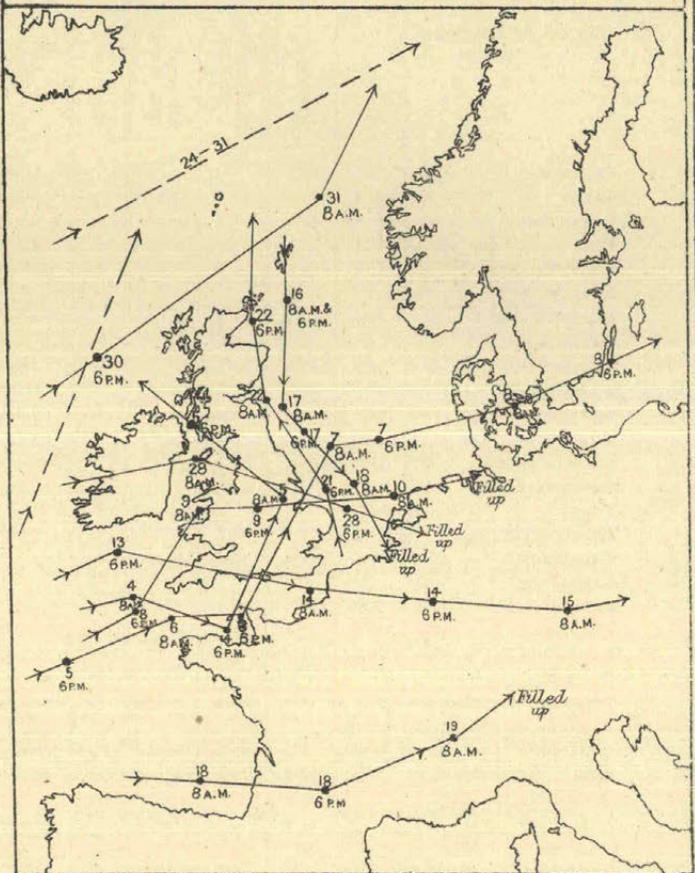
Monthly Summary.

Plate XII.

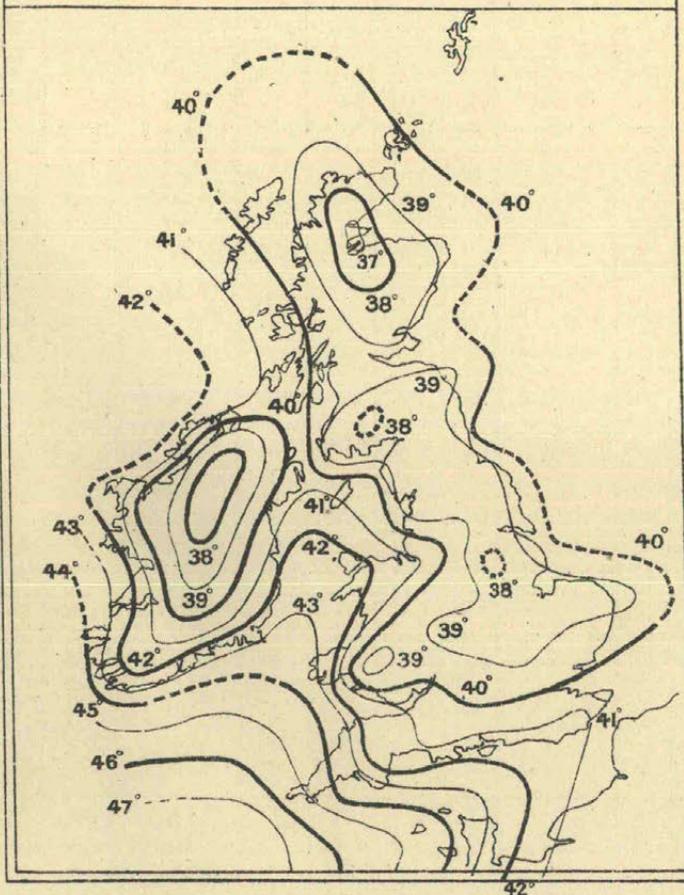
I. BAROMETER AND WIND.



2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.



4 RAINFALL.

