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MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The general distribution of pressure during January was of an anticyclonic type, the barometer being above 30 ins. in some part or other of the country on nearly every day, and the mean results for the period were in all cases above the average, the excess ranging from 0·08 in. in Shetland to 0·17 in. at Oxford and Roche's Point. On the 2nd, 11th, 21st, 24th and 26th the barometer rose to 30·5 ins. or above in various localities, 30·63 ins. at Clacton-on-Sea and at Oxford. The weather conditions, however, were not of such a quiet character as would be inferred from the prevalence of high pressure. The winds and weather over these Islands were frequently related to extensive disturbances with centres passing between Iceland and Greenland, so that there were several instances of local gales of considerable strength.

The general features of the month may be divided roughly into two parts—the first half mainly fair and very cold, but with sudden and great fluctuations of temperature, the remainder mostly very dull and rather more changeable, with comparatively slight variations of temperature. On New Year's day a depression on the Bay of Biscay, which had occasioned a very boisterous and keen Easterly type of conditions in the closing week of December, was transferred to Portugal, and the British Isles came under the western extension of an anticyclone which embraced the greater part of Europe. Temperature immediately began to decline, and a severe frost quickly spread over practically the entire Kingdom. By the morning of the 2nd shade temperatures of 20° or less were being recorded in various places, and from the 3rd to the 6th readings below 20° were numerous, in England, Ireland and Scotland, as low as 10° at Balmoral, West Linton and Raunds, 11° at Kilmarnock and Stokesay, 12° at Hereford and Birr Castle, and 13° at Thornton Hall, Colmonell, Newton Rigg, Belvoir Castle, Cirencester, Epsom, Swarraton and Llangammarch Wells. Afternoon maxima below 30° occurred in several neighbourhoods, 28° at Glasgow, Newton Rigg and Reading, 27° at Woburn and Bettws-y-Coed, and 20° at Balmoral. On the 5th, however, the approach of an Atlantic disturbance brought about a shift of wind to South or South-West and a very rapid rise of the thermometer in the west; the change at Birr Castle amounted to 40° in the course of the day. Early next day there was a rapid thaw all over Britain, preceded by a "glazed frost" in London and some other localities. Temperature rose 30° to 37° in places, the afternoon values in many parts of the Kingdom being from 50° to 55°.

The depression which brought about this great change was one of the two important disturbances of the month. On the morning of the 6th its centre was a little northward of the Hebrides. It passed rapidly across the Orkneys on an easterly course at about 40 miles an hour. The barometer fell to 28·83 ins. at Sumburgh Head in the afternoon, and on the following morning the centre was already over the Baltic Provinces of Russia, quickly disappearing by evening beyond Moscow. During its passage it occasioned a South-Westerly to North-Westerly gale over our northern districts, the force of a strong gale being recorded at Castlebay, Aberdeen and Wick. At a few western and north-western stations the rainfall was from 1 in. to 1·6 in. As this gale was abating a new and deep cyclonic system appeared over Ireland on the morning of the 7th. It also advanced along a general easterly path, but at a much slower rate of progression, about 14 miles per hour during the first two days. It passed away finally across south-eastern Russia. When the minimum of pressure was over eastern England on the morning of the 8th the barometer fell to 28·78 ins. at Clacton-on-Sea. The progress of the system was marked by Westerly to Northerly or North-Easterly gales in many places, the force of a strong gale being reached at Scilly, Jersey and Dungeness, and a whole gale along the north and north-east of Ireland. A mean hourly velocity of 55 miles of North-Westerly wind was registered by the anemometer at Scilly about midnight on the 7th. In the bad weather which prevailed on this occasion over the country generally, heavy and continuous rain fell on the 7th, and early next morning changed to sleet or snow over a considerable area. The rain and melted snow measured on the morning of the 8th exceeded an inch at many stations, ranging up to 1·8 in. at Carrigallen (Leitrim), 1·9 in. at Epsom, and 2·1 ins. at Heathfield (Sussex). The depth of snow still lying on the ground when the gauge was examined was 8 ins. at Heathfield, 4 ins. at Epsom, and 3 ins. at Tonbridge and Rauceby.

With the departure of the disturbance a high pressure area of moderate intensity moved down upon us from the Iceland region, its central space lying over the British Isles on the 10th, then passing on to the Continent. Its advent was marked by another severe frost, and from the 10th to the 13th temperatures below 20° were again commonly experienced, 10° at Rauceby, 11° at Rothamsted and Llangammarch Wells, and 13° at Stokesay and Raunds. On the 13th a disturbance beyond Iceland brought the wind into Southerly directions in these Islands, and a thaw set in, but at a more gradual rate than in the previous case. It was complete by the middle of the month.

During the remainder of the period under review there was no well-defined type; the conditions were indifferently influenced by anticyclones to the east, south-east or south of us, and by far-distant northern depressions. From time to time, therefore, local South-Westerly to North-Westerly gales were felt on the western and northern coasts, a strong gale at Stornoway on the 12th and 31st, at Malin Head on the 13th, 16th and 27th, at Castlebay on the 17th and 27th, at Wick on the 30th and 31st, and at Sumburgh Head on the 31st, while on the 28th Malin Head had a whole gale. The anemometrical registers show a mean hourly velocity of North-Westerly wind of 53 miles an hour at Scilly on the 28th, and 51 miles at Deerness on the 31st. No frost of any importance occurred in the second half—the weather was very mild on the 16th and 17th, and again on the 26th and 27th, there being on both occasions numerous night minima above 45°, as high as 50° at Tottenham, and 51° at Dublin and Valencia on the 16th or 17th, and 50° at Valencia and Roche's Point on the 27th. Many of the afternoon maxima were from 55° to 57°. During these warm days large falls of rain were measured locally in the west and north-west, the largest, 1·6 in. at Gruline (Mull), and 2·1 ins. at Caragh Lake (Kerry) on the 15th, 1·2 in. at Gruline, and 2·3 ins. at Caragh Lake on the 16th, 1·2 in. at Killybegs on the 26th, and 1·2 in. at Graythwaite on the 27th. Snow or hail showers fell in many localities, nearly all unimportant, but on the 29th the snow lay to a depth of 3½ inches at Ardross Castle and Tealby. There was an almost entire absence of thunderstorms, but on the 28th Jersey, Prestwich, Laudale and Broadford (Clare) were visited, and on the same day the ancient church of Parracombe, North Devon, was extensively damaged by lightning; on the following day there was a thunderstorm at Guernsey.

The dull weather of the second half was largely due to the prevalence of mist or fog, more especially over England, the fog at times being dense and lasting. On the coasts of Ireland and Scotland fog was very rarely reported, while along the west, south and east of England it was of frequent occurrence, daily from the 14th to the 26th. On some days it was very thick and persistent, and extended across the English Channel and along the Continental coasts from France to Denmark and Norway, and resulted in great delays to shipping, and some casualties.

Sea surface temperature records show that the coastal waters were warmer than the air on shore, to the extent of about 2° on the east coast of Britain, 2° to 3° on the far western and northern coasts, and 4° or 5° in the western part of the English Channel and thence up to the Irish Sea.

Rainfall.—There was a deficiency of precipitation over the eastern, inland and south-western districts of England and in the English Channel; elsewhere the distribution was irregular. At several south-western stations the amounts were from 2 ins. to 2·8 ins. below the average, while Blacksod had an excess of 3·2 ins. The largest aggregates were 11 ins. at Fort William, 10·4 ins. at Glencarron, and 9 ins. at Gruline; the smallest, 0·6 in. at Bawtry and Lowestoft, and 0·5 in. at Geldeston and Blakeney Hill (Forest of Dean). The falls of an inch or more in a day were fairly numerous for the season, the largest being chiefly at rainfall stations already referred to but not included in the tables. Rain fell at Balta Sound on 28 days, and at Sumburgh Head on 27 days, against 8 days at Kew and Portsmouth and 7 at Westminster and Tottenham.

Bright Sunshine.—The duration of sunshine was generally above the average, by 40 hours at Tunbridge Wells and Ventnor. At Manchester the month's total was only 8 hours (3% of the possible duration), and at Balta Sound 11 hours (6%), while in the south the totals ranged up to 90 hours or more, 98 hours at Ventnor (38%) and Rhyl (40%), and 99 hours (38%) at Totland Bay.

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TABLE I.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum	Day.	Absolute Maximum	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	At 4 feet depth
		ft.	Ins.	Ins.	° Min.	° Max.	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·626	+ ·080	36·5	43·1	39·8	+0·8	29	31st	50	17th	39·9	40·4	1·8	2·0	·210	·211	86	84	—	—
	§ **Deerness** – –	163	29·658	—	36·0	43·0	39·5	+0·5	28	31st	49	17th	40·1	39·7	2·1	2·0	·209	·205	83	83	—	—
	¶ § Stornoway – –	52	29·819	+ ·121	35·7	45·0	40·4	+1·6	27	2nd	51	5th, 6th, 15th	41·2	40·5	1·5	1·8	·227	·215	89	86	—	—
	Castlebay – – –	38	29·859	+ ·125	39·2	46·5	42·9	—	33	29th	52	6th	43·6	42·8	1·7	2·0	·247	·233	87	85	—	—
Mainland.	¶ **Wick** – – –	80	29 760	+ ·107	32·8	43·7	38·3	+0·5	**19**	3rd	51	17th	38·5	38·8	1·1	1·1	·211	·215	91	91	—	—
	¶ **Lairg** – – §	387	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ **Strathpeffer** – –	210	29·673	—	32·7	43·9	38·3	+1·6	25	2nd	**53**	6th	38·4	37·4	2·0	2·0	·193	·185	84	83	—	—
	¶ **Glencarron** – §	489	—	—	33·2	42·5	37·9	+0·8	22	2nd	52	17th	38·2	37·9	1·8	1·9	·195	·191	85	84	—	—
	¶ § **Fort Augustus** §	68	—	—	32·7	42·8	37·8	−0·3	**19**	2nd	51	17th	38·3	38·2	1·2	1·9	·207	·193	90	84	—	—
	¶ **Fort William** – §	37	—	—	33·6	43·0	38·3	−0·5	21	2nd	52	17th	38·7	38·3	2·0	2·1	·197	·191	85	83	—	—
	District Value –				**34·1**	**43·4**	**38·8**	**+0·4**	**19**		**53**											
1. SCOTLAND, E.																						
	Dunrobin Castle §	12	—	—	32·7	43·2	38·9	−0·2	25	2nd	52	17th	38·4	38·0	1·8	2·0	·199	·192	84	83	37·9	—
	¶ § Nairn – –	82	29·808	+ ·115	32·0	43·5	37·8	+0·4	20	2nd	55	17th	37·9	37·5	1·9	1·9	·191	·188	84	84	—	—
	¶ **Gordon Castle** §	101	—	—	32·1	44·0	38·1	0·0	24	1st, 3rd	**59**	17th	39·2	39·0	3·2	2·8	·179	·185	75	78	—	—
	¶ § **Aberdeen** – –	90	29·844 29·837	+ ·119 + ·118	34·0	42·5	38·3 38·3	+0·6 +0·1	26	22nd	52	16th	37·6	37·9	2·2	2·6	·184	·179	81	78	—	39·9
	Tillypronie – §	1120	—	—	29·3	41·8	35·6	—	20	9th	53	17th	35·7	34·8	1·8	1·5	·176	·173	83	85	—	—
	¶ **Balmoral** – §	920	—	—	28·1	39·3	33·7	−0·5	**10**	5th	49	16th	33·5	—	1·6	—	·159	—	83	—	—	—
	Dundee – – §	160	29·801	—	32·2	41·3	36·8	—	23	4th	52	27th	36·6	36·3	1·0	1·3	·201	·191	91	88	—	—
	¶ **Crieff** – – §	440	—	—	31·7	41·5	36·6	−0·2	23	4th	52	6th	37·2	36·7	1·4	1·5	·194	·189	87	87	—	—
	¶ Leith – – –	37	29·936	+ ·133	34·0	44·7	39·4	+0·4	24	3rd, 4th	54	15th, 16th, 17th	39·7	39·5	1·9	2·1	·207	·202	84	83	—	—
	¶ § **Marchmont** – §	490	—	—	30·3	41·9	36·1	−0·2	20	4th	55	6th	35·7	36·8	1·3	1·9	·186	·183	88	84	35·5	—
	District Value –				**31·4**	**42·1**	**36·8**	**−0·7**	**10**		**59**											
2. ENGLAND, N.E.																						
Northern Part.	§ **Cockle P'rk (Morpeth)**	331	29·655	—	31·3	41·2	36·3	—	21	13th	52	17th	36·8	35·9	1·1	1·5	·200	·184	90	86	35·4	39·0
	¶ Shields – – –	117	29·889	+ ·133	31·3	43·9	37·6	−1·0	23	4th	56	16th	37·5	38·6	1·3	1·6	·199	·203	89	87	—	—
	Seaham – –	138	29·890	—	32·9	41 9	37·4	−1·1	25	13th	55	27th	37·0	36·6	1·5	1·5	·195	·190	87	87	—	—
	¶ § **Durham** – –	352	29·654	—	30·5	41·2	35·9	−1·0	18	4th	54	27th	35·6	35·7	0·9	1·2	·196	·189	92	88	—	—
	Whitby – –	145	29·879	—	32·6	43·1	37·9	−1·6	22	4th	56	27th	36·7	37·8	1·7	1·9	·193	·194	84	83	—	—
	¶ **Rounton** – M	245	29·781	—	30·7	41·3	36·0	—	20	4th	54	27th	34·6	35·5	—	—	—	—	—	—	35·3	—
	¶ § **Scarborough** – M	100	29·912	—	33·7	43·5	38·6	+0·1	27	13th	**57**	27th	37·2	38·4	1·7	1·5	·190	·206	83	86	—	40·9*
	¶ § **York** – –	53	30·048	—	31·7	42·2	37·0	−0·7	22	4th	56	17th	35·6	36·9	0·8	0·9	·195	·201	93	92	36·7	40·8
Southern Part.	**Hull** – – –	2	30·092	—	32·2	42·0	37·1	−0·4	21	4th	56	27th	36·4	37·8	1·4	1·5	·189	·198	88	88	35·7	42·7
	¶ Spurn Head –	28	30·039	+ ·149	33·2	40·6	36·9	−1·4	26	12th	52	27th	36·4	38·0	0·5	0·6	·206	·216	96	95	—	—
	§ Skegness (7 a.m.) –	16	30·124	—	30·8	40·7	35·8	—	20	11th	56	27th	34·7	37·3	0·1	0·4	·200	·215	99	97	—	—
	¶ **Lincoln** – –	42	—	—	29·6	42·0	35·8	−1·0	**17**	5th	**57**	27th	—	—	—	—	—	—	—	—	35·3	40·8
	District Value –				**31·3**	**42·1**	**36·7**	**−1·9**	**10**		**57**											
3. ENGLAND, E.																						
Northern Part.	¶ § **Cromer** – –	139	29·962	—	31·4	41·3	36·6	—	20	6th	55	27th	35·7	36·5	0·7	0·4	·196	·208	94	96	—	—
	¶ § **Hillington** – M	92	30·021	—	29·1	40·1	34·6	−2·3	15	12th	55	27th	33·2	34·9	0·8	1·1	·180	·187	89	88	—	—
	¶ **Norwich** – –	93	—	—	30·8	41·0	35·9	—	17	5th	55	27th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	30·083	+ ·154	32·6	41·2	36·9	−0·7	23	5th	55	27th	36·0	38·6	1·6	1·9	·182	·198	86	85	—	—
	Lowestoft – M	75	30·052	—	31·6	41·5	36·6	−1·6	23	12th	54	27th	37·7	35·7	1·5	1·1	·196	·187	87	89	36·2	41·1
	¶ § **Geldeston** – –	47	30·078	—	30·4	42·4	36·4	−1·6	15	12th	**56**	27th	35·1	36·4	0·8	1·0	·189	·197	92	92	—	—
Southern Part.	¶ § **Cambridge** – –	43	30·090	—	29·8	42·3	36·1	−1·4	16	12th	55	27th	34·2	35·2	0·8	0·9	·189	·194	92	91	36·6	41·9
	Woburn – –	294	29·841	—	29·3	41·0	35·2	—	15	12th	54	17th	34·0	34·8	0·4	0·6	·195	·201	95	95	—	—
	Bennington – M	411	29·720	—	29·7	40·8	35·3	−2·0	18	12th	52	17th	33·4	34·7	0·6	0·7	·178	·186	93	93	36·6	39·9
	¶ § Clacton – –	62	30·093	—	32·4	40·7	36·6	−1·7	24	11th	53	27th	36·0	37·1	0·9	1·0	·196	·203	91	90	33·6	43·7
	Berkhamsted – M	397	29·719	—	29·1	40·7	34·9	−2·4	14	12th	53	17th	32·9	34·5	0·8	0·9	·170	·182	91	91	35·5	—
	District Value –				**30·8**	**41·5**	**36·2**	**−1·8**	**11**		**56**											
4. MIDLAND COS.																						
Eastern Part.	**Garforth** – –	198	—	—	28·1	41·5	34·8	—	15	4th	55	17th	34·3	34·8	0·7	0·7	·197	·192	93	92	36·9	41·7
	Huddersfield –	411	29·641	—	31·0	40·5	35·8	—	18	13th	53	17th	34·7	35·8	0·9	1·1	·191	·192	91	89	35·4	40·3
	Wakefield – M	100	29·993	—	30·7	42·9	36·8	−1·5	18	13th	55	17th	34·9	36·9	1·2	1·9	·179	·183	88	84	—	—
	Belvoir Castle –	276	29·824	—	29·9	40·8	35·4	−1·9	13	5th	56	27th	33·7	35·3	0·5	0·5	·184	·197	94	96	—	39·6*
	Coventry – –	309	29·818	—	29·6	41·3	35·5	−2·3	15	5th	56	27th	34·1	—	0·7	—	·183	—	92	—	36·4	43·4
	¶ § Nottingham – –	85	30·016	+ ·144	29·8	41·6	35·7	−1·8	16	5th, 6th	56	27th	34·5	36·9	0·8	1·2	·184	·196	92	90	34 7	39·0
	¶ § **Birmingham** – –	542	29·525	—	31·3	40·8	36·1	−1·7	17	5th	54	27th	34·3	36·3	0·9	1·1	·179	·200	89	90	38·1	43·6
	¶ § Oxford – –	212	29·934 29·922	+ ·170 + ·166	30·1	41·4	35·8	−2·5	18	12th	55	17th	34·2 36·5	36·7	1·0 1·4	—	·178 ·189	—	89 88	—	—	—
	¶ § Bath – – –	84	30·054	+ ·159	31·8	43·2	37·5	−2·2	17	11th	55	17th	36·3	38·9	0·9	—	·198	—	93	—	38·8	44·5
Western Part	¶ **Shrewsbury** – –	212	29·900	—	30·3	43·9	37·1	−0·9	14	4th	55	27th	35·6	36·3	0·8	0·9	·202	·205	93	92	—	—
	Buxton – – M	977	29·019	—	29·3	38·8	34·1	−1·2	15	5th	50	27th	33·6	33·9	1·0	1·0	·172	·174	89	89	—	—
	§ **Sheffield** – –	450	29·624	—	32·8	42·5	37·7	−0·6	23	13th	54	27th	36·1	37·5	1·4	1·5	·187	·198	84	85	35·8	41·0
	Stokesay – –	375	29·737	—	29·4	41·8	35·6	—	11	5th	57	27th	35·3	34·8	0·7	0·9	·193	·184	94	92	—	—
	Cheltenham – M	206	29·931	—	31·4	41·5	36·5	−1·8	19	6th	55	17th	36·6	36·2	1·3	1·0	·195	·199	83	86	—	—
	District Value –				**29·7**	**41·6**	**35·7**	**−2·4**	**10**		**58**											

For notes see p. ix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of JANUARY, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.					WEATHER. No. of Days of								WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (Force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%	8·8	8·1	27	Ins. 3·73	Ins. −0·24	Ins. 0·65	6th	3	0	0	1	24	0	—	5	31	4	9	3	1	1	9	5	27	3	Sumburgh Head.
40	+13	19	+ 6	6·7	5·8	21	3·41	0·00	0·44	5th	7	6	1	4	9	0	—	6	32	3	3	3	3	0	14	18	11	7	Deerness.
22	− 7	10	− 3	7·9	7·8	25	5·75	+0·50	0·66	27th	5	7	1	0	17	0	—	10	39	6	6	2	0	0	6	24	11	7	Stornoway.
37	—	17	—	8·5	7·6	26	3·96	—	0·52	13th	6	6	0	1	20	0	—	7	33	3	8	4	3	3	6	14	13	8	Castlebay (Barra Isd.)
—	—	—	—	6·0	6·5	18	2·33	−0·66	0·32	5th	4	1	0	0	5	0	—	3	19	3	11	2	3	0	5	12	17	9	Wick.
—	—	—	—	—	—	—	3·60	+0·14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
41	+ 8	18	+ 3	6·0	4·7	23	2·90	−0·21	0·47	25th	4	0	0	2	6	0	—	3	22	17	1	5	2	0	0	17	15	5	Strathpeffer
—	—	—	—	8·0	5·9	23	10·44	+0·27	1·22	16th	3	0	2	2	13	0	—	2	36	0	13	2	4	0	0	0	43	0	Glencarron.
20	+ 3	9	+ 1	8·1	6·4	20	5·28	−0·29	0·74	25th	6	1	0	1	16	3	—	4	23	3	4	4	1	0	9	32	7	2	Fort Augustus.
—	—	—	—	8·5	7·2	23	11·02	+1·95	1·58	14th	11	1	1	0	17	6	—	3	24	3	0	8	10	1	2	22	15	1	Fort William.
31	**+ 6**	**14**	**—**	**7·9**	**7·0**	**23**	**6·02**	**+0·10**	**1·58**																				
—	—	—	—	—	—	13	3·37	—	0·75	27th	5	0	0	—	—	0	—	2	9	2	7	3	1	1	1	6	32	9	Dunrobin Castle.
48	—	22	—	7·8	6·6	22	2·24	+0·34	0·39	25th	5	1	0	1	14	2	—	0	12	15	1	3	2	1	0	15	22	3	Nairn.
—	—	—	—	6·2	6·2	15	1·76	—	0·41	7th	6	4	0	1	8	0	—	0	11	0	2	3	0	3	19	26	4	5	Gordon Castle.
56	+ 6	25	+ 3	6·4	5·4	13	1·16	−1·02	0·46	7th	7	0	0	3	6	1	—	1	12	0	3	1	1	1	13	18	13	12	Aberdeen.
—	—	—	—	6·1	5·2	14	2·01	—	0·66	7th	7	0	0	4	6	0	—	8	46	0	11	6	0	0	2	7	15	21	Tillypronie.
—	—	—	—	6·4	—	12	1·84	−1·15	0·60	7th	7	0	0	—	—	3	28	2	5	0	2	0	2	2	6	4	46	0	Balmoral.
—	—	—	—	8·6	8·4	17	1·61	—	0·86	7th	5	0	0	0	20	8	—	5	22	0	0	9	2	1	0	16	24	10	Dundee
—	—	—	—	7·1	6·5	17	4·18	−0·28	0·70	14th	4	0	0	1	9	3	—	3	—	0	2	1	12	0	1	5	31	10	Crieff.
—	—	—	—	6·4	5·3	17	2·45	+0·72	1·28	7th	4	2	0	2	8	1	—	2	17	1	1	6	4	0	1	20	24	5	Leith.
45	0	19	0	6·8	5·7	13	2·53	+0·08	1·80	7th	8	1	0	2	7	0	17	0	—	0	7	6	4	1	1	26	10	7	Marchmont.
53	**+10**	**24**	**—**	**6·7**	**6·0**	**16**	**2·52**	**−0·05**	**1·80**																				
66	+16	28	—	6·7	4·5	19	1·65	−0·39	1·00	7th	5	3	0	3	7	2	21	6	22	2	4	0	0	4	11	12	15	14	Cockle Park (Morpeth)
—	—	—	—	7·7	7·8	9	1·26	−0·34	0·60	7th	3	2	0	0	16	6	—	1	14	2	2	3	3	3	11	18	17	3	Shields.
—	—	—	—	6·5	6·1	9	1·09	−0·61	0·59	7th	5	2	0	2	10	0	—	2	23	2	0	4	2	2	10	25	11	6	Seaham.
64	+20	27	+ 9	8·1	6·8	10	1·08	−0·72	0·49	7th	7	0	0	2	17	3	25	2	17	16	1	3	1	1	15	14	6	5	Durham.
71	—	30	—	5·6	4·7	12	1·36	−0·40	0·37	4th	5	1	0	6	9	1	—	1	6	4	2	5	0	4	1	39	3	4	Whitby.
—	—	—	—	6·8	6·4	11	1·32	—	0·60	8th	6	0	0	2	12	6	26	4	19	3	4	4	3	5	20	16	5	2	Rounton.
36	—	15	—	7·6	8·4	20	1·56	−0·31	0·42	7th	2	0	0	0	15	16	—	2	31	0	0	6	0	6	3	19	5	23	Scarborough.
43	+13	18	+ 6	7·0	5·5	18	1·20	−0·49	0·40	8th	4	0	0	7	14	8	—	1	5	2	6	0	4	2	24	4	15	5	York.
15	—	6	—	8·2	6·6	16	1·35	−0·35	0·28	8th	5	2	0	2	15	9	19	0	5	11	3	2	5	1	1	20	12	7	Hull.
—	—	—	—	5·4	5·5	13	0·81	−0·42	0·19	7th	4	0	0	7	9	11	—	1	26	0	2	3	4	2	12	18	15	6	Spurn Head.
61	—	25	—	6·2	5·0	18	1·16	—	0·28	6th	0	0	0	7	10	7	—	0	14	0	2	2	8	1	8	20	14	7	Skegness.
—	—	—	—	6·7	6·3	20	1·00	−0·63	0·25	6th	3	0	0	5	15	3	—	0	2	3	0	5	8	4	1	12	17	12	Lincoln.
56	**+13**	**23**	**—**	**7·0**	**6·7**	**14**	**1·22**	**−0·55**	**1·26**																				
66	—	27	—	7·3	6·5	19	0·78	—	0·28	7th	4	2	0	4	15	6	—	0	38	4	1	4	2	4	4	25	11	7	Cromer.
53	+ 6	21	+ 2	7·5	6·7	18	1·50	−0·43	0·40	8th	4	0	0	3	15	7	24	0	8	24	2	5	4	1	1	14	7	4	Hillington.
—	—	—	—	—	—	21	1·13	—	0·30	7th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	--	—	—	Norwich.
72	—	29	—	7·3	6·5	15	0·83	−0·79	0·13	6th	4	3	0	3	17	12	—	5	20	2	3	7	5	3	5	18	14	5	Yarmouth.
69	—	28	—	5·7	5·3	14	0·64	−0·86	0·10	7th	6	4	0	8	13	7	18	5	17	2	4	4	7	3	2	9	18	13	Lowestoft.
64	+10	26	+ 5	6·0	5·6	17	0·48	−1·05	0·10	7th	4	1	0	9	11	12	—	0	5	0	3	5	9	3	8	12	18	4	Geldeston.
64	+13	26	+ 6	6·7	5·4	10	0·79	−0·66	0·41	7th	3	0	0	6	13	10	22	1	13	11	3	5	1	6	8	18	3	7	Cambridge.
—	—	—	—	7·5	5·1	17	1·55	—	1·11	7th	3	0	0	5	12	7	—	0	22	19	3	2	5	2	3	19	6	3	Woburn.
—	—	—	—	6·8	6·8	15	1·14	−0·83	0·53	7th	5	1	0	6	17	10	21	0	8	15	1	4	6	1	6	12	12	5	Bennington.
76	—	30	—	3·4	5·0	12	1·03	—	0·63	7th	1	1	0	5	11	5	26	0	19	1	6	6	5	5	10	8	12	9	Clacton.
47	—	20	—	7·7	6·3	13	1·85	−0·52	1·35	7th	4	1	0	5	16	10	23	2	2	10	7	5	3	8	5	9	10	5	Berkhamsted.
63	**+11**	**25**	**—**	**6·7**	**6·2**	**15**	**1·08**	**−0·65**	**1·36**																				
29	—	12	—	7·3	6·5	15	1·11	—	0·29	8th	1	1	0	2	12	5	—	1	3	20	0	5	2	1	3	14	11	6	Garforth.
36	—	15	—	6·2	6·5	14	3·24	—	0·74	26th	4	0	0	6	12	4	20	3	13	14	3	2	1	3	6	15	11	7	Huddersfield.
—	—	—	—	7·5	6·7	11	1·12	−0·77	0·26	8th	0	0	0	4	17	7	—	1	6	3	13	0	5	5	0	16	17	3	Wakefield.
68	—	28	—	6·8	6·0	14	0·90	−0·85	0·15	8th	4	0	0	6	14	10	21	0	22	12	5	3	2	2	11	17	5	5	Belvoir Castle.
41	—	16	—	5·6	—	16	0·69	−1·34	0·21	5th	2	0	0	10	13	5	21	0	0	20	4	2	2	0	8	14	8	4	Coventry.
38	—	15	—	7·0	6·5	17	1·07	−0·78	0·24	6th	3	0	0	4	17	8	—	0	7	3	3	2	8	4	5	18	15	4	Nottingham.
27	—	11	—	7·8	5·1	13	0·81	−1·23	0·21	8th	3	0	0	5	15	7	19	0	10	7	7	3	7	1	8	13	13	3	Birmingham.
52	+ 4	21	+ 2	6·8 6·5	6·1	12	1·66 1·66	−0·28 −0·28	1·38	7th	2	0	0	6	14	8	21	0	26	9	5	8	3	5	11	10	8	3	Oxford.
65	—	26	—	7·0	7·2	12	1·27	−1·31	0·68	7th	—	—	—	4	17	—	—	—	20	1	4	19	6	4	0	16	7	5	Bath.
—	—	—	—	6·5	4·2	13	0·94	—	0·25	8th	3	0	0	9	12	5	19	1	6	0	4	2	3	17	7	9	11	9	Shrewsbury.
—	—	—	—	6·7	6·3	16	3·02	−1·64	0·66	6th	8	1	0	7	17	8	22	0	11	22	2	1	6	1	0	9	14	7	Buxton.
—	—	—	—	7·1	6·3	14	1·81	−0·95	0·50	6th	3	1	0	2	14	7	20	0	4	6	6	5	1	1	14	15	7	7	Sheffield.
59	—	24	—	6·9	5·9	14	0·69	—	0·14	28th	4	0	0	7	16	5	18	3	11	10	6	3	6	8	8	6	7	8	Stokesay.
—	—	—	—	7·0	5·2	11	1·08	−1·15	0·63	7th	2	1	0	6	13	1	21	0	6	8	3	2	7	12	7	15	4	4	Cheltenham.
72?	—	29?	—	7·0	5·2	11	1·08	−1·15	0·63	7th	2	1	0	6	13	1	21	0	6	8	3	2	7	12	7	15	4	4	
50	**+ 6**	**20**	**—**	**7·0**	**5·8**	**14**	**1·26**	**−0·91**	**1·38**																				

TABLE I. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
			ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
5. ENGLAND, S.E.		Reading	264	29·856	—	29·9	41·3	35·6	—	15	6th	53	27th	34·6	35·6	0·2	0·3	·197	·203	98	98	—	—
		Salisbury	186	29·956	—	29·0	42·1	35·6	−1·9	14	6, 11, 12, 13th	52	17th, 27th	34·8	36·3	0·7	0·8	·188	·200	93	94	38·3	—
		Dover	231	29·891	+·147	31·3	41·2	36·3	—	20	12th	53	27th	35·3	37·4	1·1	1·5	·185	·194	90	87	—	—
		Brighton	48	30·129	—	33·5	42·1	37·8	−2·0	21	6th	50	27th	37·5	—	1·2	—	·201	—	90	—	—	41·5
	§	Eastbourne	36	30·125	—	34·9	43·1	39·0	−1·2	22	6th	50	17th	38·6	39·3	1·1	1·0	·216	·226	90	91	39·3	44·5
		Portsmouth	18	30·165	—	33·3	43·5	38·4	−1·3	19	11th	53	17th	37·9	—	1·6	—	·197	—	87	—	38·6	44·2
	¶	Dungeness	21	30·097	+·116	32·4	42·2	37·3	−2·1	21	12th	49	26th, 27th	37·5	39·5	1·0	1·3	·205	·216	92	90	—	—
	¶	Hastings	174	29·968	—	33·9	42·2	38·1	−1·4	22	3rd	49	27th	37·2	38·0	0·9	1·0	·204	·208	92	91	37·6	43·9
	¶ §	Southampton	84	30·091	—	33·0	43·9	38·5	−1·3	20	6th	54	27th	37·3	37·7	1·2	1·0	·204	·214	88	91	—	—
	¶ §	*Ventnor*	80	30·076	—	35·8	44·4	40·1	−1·6	25	4th	50	27th	39·4	—	1·7	—	·208	—	87	—	—	—
		District Value				**32·0**	**42·2**	**37·1**	**−2·6**	**10**		**55**											
LONDON	¶ §	Tottenham	55	30·095	− 1·3	32·5	42·8	37·7	—	18	12th	54	27th	35·7	37·3	1·0	0·8	·195	·214	88	90	—	43·1
		Camden Square	123	30·031	—	31·3	41·9	36·6	−2·0	17	12th	54	27th	36·0	37·7	0·9	0·8	·195	·218	92	93	36·4	38·4
		Westminster	54	30·087	+·140	32·3	42·4	37·4	−1·8	20	6th	54	27th	36·4	39·2	1·3	1·6	·191	·208	89	87	—	—
		Greenwich	159	29·983 29·976	— +·182	30·9	41·7	36·3 36·8	−2·1 −1·8	18	6th, 12th	54	27th	35·7	36·4	1·4	1·4	·183	·189	87	88	—	41·7
		Norwood	235	29·915	—	31·6	41·9	36·8	−1·8	19	6th	54	27th	35·2	36·5	1·2	1·2	·182	·193	89	89	36·1	—
	¶ §	Kew	34	30·132 30·125	+·140 +·141	32·0	41·7	36·9 37·1	−1·8 −1·8	19	5th	54	27th	35·9	37·0	1·6	1·7	·182	·187	86	85	36·1	42·7
		Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶	Laudale	25	29·946	—	34·8	44·3	39·6	−0·4	25	4th	53	16th	40·8	40·2	1·2	1·2	·235	·228	91	90	—	—
	¶	Poltalloch	132	—	—	32·2	44·9	38·6	−0·6	17	4th	52	17th, 18th	39·3	36·4	2·0	1·7	·202	·184	84	85	—	—
	¶ §	Glasgow	184	29·809	—	34·6	42·5	38·6	+0·2	21	4th	52	17th	38·4	38·5	1·7	2·2	·205	·194	86	82	—	—
	¶	Rothesay	115	—	—	36·0	44·4	40·2	+0·7	22	4th, 5th	53	16th	39·7	39·2	1·7	2·1	·210	·199	86	83	—	41·5
	¶	Colmonell	140	—	—	32·5	43·8	38·2	−1·1	13	4th	52	15th	37·9	—	1·1	—	·207	—	91	—	—	—
	¶	Dumfries	70	—	—	33·0	43·0	38·0	−0·4	15	5th	53	27th	36·9	37·9	1·6	2·0	·189	·190	87	83	—	—
	¶	Cally	120	—	—	32·4	42·1	37·3	−1·0	14	5th	50	25th	37·9	36·9	1·2	1·1	·205	·198	90	91	—	—
ISLE OF MAN	¶ §	Douglas	140	29·923	—	36·2	44·6	40·4	−0·2	19	5th	52	6th, 27th	40·8	39·7	0·9	1·1	·242	·225	93	90	—	—
		District Value				**33·7**	**43·7**	**38·7**	**−1·0**	**11**		**53**											
ENGLAND, N.W.		Southport	42	30·071	—	32·3	41·2	36·8	−1·8	17	5th	53	17th	36·1	36·7	1·2	1·5	·190	·189	89	87	34·1	38·6
		Manchester (City)	195	29·905	—	34·0	41·8	37·9	—	22	5th	54	17th	37·2	38·0	1·0	1·2	·207	·209	91	90	35·9	41·9
		„ (Whitworth P'k)	127	29·961	—	32·6	41·9	37·3	—	21	5th	54	17th	35·9	37·3	1·0	1·1	·194	·201	92	91	—	—
	¶ §	Aspatria	254	29·779	—	32·5	42·1	37·3	+0·1	17	4th	49	24th, 27th	37·5	37·0	1·1	1·5	·209	·194	90	86	—	—
	¶ §	Newton Rigg	559	29·430	—	29·6	41·1	35·4	−1·4	13	4th	52	6th	34·1	35·2	0·7	1·3	·183	·181	92	88	36·7	39·9
	¶ §	Stonyhurst	363	29·705	—	31·2	40·8	36·0	−1·7	19	5th	51	17th	34·9	36·1	1·0	1·5	·186	·184	87	84	—	—
	¶ §	Blackpool	73	30·030	—	32·2	41·1	36·7	−1·7	20	5th	51	17th	36·9	36·4	0·8	0·9	·210	·199	93	93	—	43·0
	¶	M'nch't'r (Prestwich)	320	29·748	—	30·5	41·1	35·8	−2·1	17	5th	53	17th	35·6	36·8	0·5	0·9	·199	·201	96	93	—	—
	¶	Liverpool	197	29·881	—	32·9	42·1	37·5	−1·8	16	5th	53	17th	36·6	37·5	1·4	1·7	·190	·191	88	85	—	—
NORTH WALES	¶ §	Llandudno	21	30·095	—	36·3	44·9	40·6	−0·7	22	4th	54	23rd	39·8	40·3	2·1	2·4	·204	·202	84	81	—	—
	¶	Holyhead	48	30·026	+·156	36·5	44·4	40·5	−1·4	27	3rd, 4th	52	27th	41·1	41·8	1·1	1·3	·234	·238	91	90	—	—
	¶ §	Bettws-y-Coed	100	29·980	—	31·6	44·0	37·8	−2·3	15	4th	54	27th	36·5	37·4	0·8	1·1	·200	·202	93	91	36·9	42·0
		District Value				**32·4**	**42·5**	**37·5**	**−2·2**	**13**		**57**										**36·8**	**41·6**
SOUTH WALES	¶ §	Llangammarch Wells	585	29·500	—	27·0	41·7	34·4	−2·1	11	12th	52	27th	33·4	—	0·8	—	·175	—	91	—	37·5	43·5
	¶ §	Pembroke	150	29·936	+·154	36·6	45·1	40·9	−1·7	24	3rd	50	6th, 16th, 27th	40·5	41·6	1·3	1·1	·224	·240	90	92	—	—
	¶	Portland Bill	23	30·115	+·136	37·4	44·5	41·0	+0·6	25	4th	50	7th, 17th, 27th	40·7	42·2	1·2	1·3	·229	·241	90	90	—	—
	¶ §	Plymouth	116	30·042	—	36·8	45·3	41·1	−1·0	24	3rd	**57**	17th	41·1	41·2	1·4	1·6	·237	·233	88	87	40·1	—
ENGLAND, S.W.	¶ §	Falmouth	183	29·973 29·966	+·163 +·163	39·9	45·8	42·9 43·2	−0·6 −0·5	28	3rd	54	17th	42·6	43·2	1·9	2·1	·233	·234	86	84	—	—
		Woolacombe	79	30·074	—	37·0	44·9	41·0	−2·0	23	4th	55	17th	41·0	41·0	2·0	1·7	·216	·221	84	86	—	—
		Rousdon	516	29·592	—	33·9	42·9	38·4	—	20	3rd	52	27th	37·8	38·6	1·0	1·1	·207	·212	91	91	39·4	42·9
		Whitchurch	595	29·499	—	34·4	42·9	38·7	—	20	3rd, 5th	50	17th	38·3	38·7	1·0	1·2	·211	·211	91	90	38·0	—
		District Value				**33·9**	**43·5**	**38·7**	**−2·7**	**11**		**57**										**37·7**	**42·7**
IRELAND, N.	¶	Malin Head	230	29·698	+·122	36·7	44·5	40·6	−0·7	28	4th, 5th	51	16th	41·1	41·0	1·3	1·4	·230	·227	89	89	—	—
Western Part.	¶	Blacksod Point	41	29·961	+·141	38·8	46·5	42·7	−0·1	29	4th, 5th	52	5th, 26th	43·5	43·6	2·3	2·3	·233	·234	82	82	—	—
	¶ §	Markree Castle	127	29·910	—	34·5	45·0	39·8	+0·3	**16**	4th	53	27th	39·1	39·4	1·4	1·5	·219	·216	87	87	—	—
Eastern Part.	¶	Donaghadee	40	30·007	+·174	36·5	45·4	41·0	+0·6	25	5th, 6th	**64**	27th	40·8	41·4	0·6	1·1	·241	·238	96	91	—	—
	¶ §	Armagh	202	29·822	—	34·3	44·4	39·4	+0·4	17	5th	53	17th	39·3	37·9	1·1	1·6	·224	·199	90	84	38·2	42·2
		Belfast	55	30·023	—	33·2	44·7	39·0	—	19	5th	54	16th	40·0	37·7	1·5	0·9	·223	·211	87	91	—	—
		District Value				**36·2**	**45·2**	**40·7**	**0·0**	**16**		**54**											
IRELAND, S.	§	Dublin (Phœnix P'k)	159	29·913	—	33·9	45·9	39·9	−0·2	18	5th	53	6th, 15th, 27th	39·6	39·1	1·4	1·6	·225	·215	88	86	—	—
Eastern Part.		„ (Trinity Coll'ge)	17	30·068	—	37·2	47·3	42·3	—	21	5th	56	16th	41·4	41·4	2·2	2·2	·225	·220	83	81	39·5	43·0
	¶	„ (City)	53	30·027	—	37·1	45·9	41·5	−0·2	23	5th	56	16th	40·5	41·0	1·7	2·0	·222	·219	85	83	—	—
	¶	Waterford	100	—	—	35·8	46·6	41·2	+0·2	21	5th	55	26th	—	—	—	—	—	—	—	—	—	—
	¶ §	Birr Castle	173	29·876	—	33·4	46·4	39·9	+0·2	**12**	5th	54	18th	38·7	40·0	1·0	1·5	·226	·224	90	86	—	—
	¶	Killarney	174	—	—	36·2	47·9	42·1	−1·0	20	4th	56	5th, 6th	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ §	Valencia	62	30·025 30·045	+·132 +·157	39·3	46·5	42·9 43·5	−1·7 −1·2	24	4th	52	16th	44·2	44·4	3·0	2·4	·226	·240	77	82	—	—
	¶	Roche's Point	42	30·063	+·169	38·6	46·6	42·6	−0·9	28	4th	55	27th	42·2	44·2	1·1	1·5	·245	·257	91	89	—	—
		District Value				**36·0**	**46·4**	**41·2**	**−1·2**	**12**		**57**											
11. ENGLISH CHANNEL	¶ §	Scilly	20	30·119	+·162	41·9	48·5	45·2	−0·6	33	4th, 11th	**54**	15th, 16th	44·5	45·6	2·3	2·2	·242	·257	83	84	—	—
	¶ §	Jersey	36	30·147	+·157	35·8	44·9	40·4	−2·0	**25**	4th	52	7th, 16th, 31st	39·9	41·0	1·6	1·9	·214	·217	87	85	—	—
		Guernsey (Brooklyn)	311	29·839	—	38·5	45·7	42·1	−1·2	28	4th	52	16th	41·2	41·7	1·9	2·0	·219	·223	85	86	42·4	46·1
		District Value				**38·7**	**46·3**	**42·5**	**−1·9**	**25**		**54**											

For notes see p. ix.

AT TELEGRAPHIC REPORTING STATIONS, and at 8 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of JANUARY, 1908.

BRIGHT SUNSHINE.				CLOUD (0-10).		RAIN AND OTHER FORMS OF PRECIPITATION					WEATHER. No. of Days of								WIND FORCE (0-12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																				
—	—	—	—	6·5	5·1	13	1·43	-0·84	1·02	7th	0	0	0	6	13	0	—	0	9	15	7	1	11	1	3	13	8	3	Reading.
—	—	—	—	7·9	6·5	22	1·96	-1·08	0·86	7th	2	0	0	3	18	8	22	0	17	6	12	8	3	4	3	12	3	11	Salisbury.
68	—	35	—	6·8	5·4	13	1·40	—	0·50	7th	6	0	0	7	14	10	—	0	19	1	6	5	7	5	5	18	9	6	Dover.
88	+35	34	+13	7·9	—	9	1·39	-1·09	1·14	7th	1	1	0	4	24	15	12	0	24	10	8	8	8	6	2	12	6	2	Brighton.
87	+31	34	+12	7·6	4·7	13	1·85	-0·88	1·38	7th	2	0	0	4	12	4	—	0	9	14	1	14	7	6	0	8	10	2	Eastbourne.
87	—	34	—	6·3	—	8	0·92	-1·57	0·66	7th	0	0	0	10	18	5	17	0	30	0	8	12	10	10	2	10	4	6	Portsmouth.
—	—	—	—	7·6	6·9	15	1·40	-0·45	0·90	7th	3	0	0	0	13	8	—	1	32	0	6	10	6	6	7	17	6	4	Dungeness.
92	+31	36	+13	6·6	5·2	14	1·17	-1·33	0·82	7th	3	0	0	6	13	12	—	2	19	3	6	9	6	10	2	11	9	6	Hastings.
72	+20	28	+ 8	7·5	5·4	16	1·90	-0·90	1·16	7th	3	2	0	6	14	17	17	0	26	0	0	27	0	9	0	16	0	10	Southampton.
98	+40	38	+16	6·1	—	12	0·94	-1·85	0·65	7th	2	0	0	7	13	2	—	0	16	3	9	12	10	3	2	7	14	2	Ventnor.
73	**+23**	**28**	**—**	**6·9**	**6·0**	**13**	**1·58**	**-0·69**	**1·90**																				
45	—	18	—	8·5	7·7	7	1·76	—	1·26	7th	5	1	0	2	20	12	19	0	9	12	4	10	3	4	0	16	5	8	Tottenham.
33	—	13	—	7·6	—	11	1·93	+0·06	1·38	7th	4	1	0	6	21	7	21	—	—	12	10	4	2	4	2	8	14	6	Camden Square.
22	+ 3	9	+ 2	7·0	6·7	7	1·50	-0·32	1·15	7th	4	0	0	5	15	6	21	0	16	14	2	11	6	2	2	15	4	6	Westminster.
57	+16	22	+ 6	6·9	5·8	9	1·51	-0·37	0·95	8th	3	0	0	7	16	12	18	0	16	6	5	5	10	6	5	13	10	2	Greenwich.
—	—	—	—	6·9	5·5	12	1·50	-0·35	1·11	7th	3	0	0	7	16	14	20	0	10	15	4	7	5	2	8	14	4	3	Norwood.
33	- 9	13	- 4	6·8	6·4	8	1·82	+0·03	1·60	7th	2	0	0	4	15	13	20	0	19	0	8	9	8	3	5	21	3	5	Kew.
19	+ 4	7	+ 1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	7·7	6·3	21	8·92	+0·59	**1·48**	5th	2	3	1	4	17	5	—	5	40	0	4	1	5	9	11	8	17	7	Laudale.
—	—	—	—	7·8	5·8	18	5·33	+0·30	0·90	5th	1	2	0	1	14	0	—	4	21	3	11	5	0	1	7	15	11	9	Poltalloch.
13	-10	6	- 4	8·5	7·6	17	4·23	+0·61	0·60	7th	1	1	0	1	19	5	15	0	14	9	3	6	2	4	7	22	7	2	Glasgow.
—	—	—	—	7·6	4·7	19	5·38	+0·78	0·72	25th	2	2	0	2	12	7	—	9	20	5	5	2	9	2	14	5	19	1	Rothesay.
—	—	—	—	6·2	—	17	4·79	+0·20	1·13	5th	2	1	0	—	—	3	—	0	12	0	0	10	8	16	2	16	6	4	Colmonell.
—	—	—	—	6·6	5·9	18	4·11	+0·11	0·72	15th	6	1	0	4	12	4	11	0	21	5	7	6	1	8	5	19	6	5	Dumfries.
—	—	—	—	—	—	18	3·67	-0·98	0·47	5th, 27th	2	0	0	—	—	6	—	1	12	0	1	18	8	9	0	8	4	14	Cally.
54	+ 5	22	+ 2	7·7	5·4	20	3·63	-0·37	0·68	5th	3	3	0	4	13	6	11	4	33	5	8	0	8	6	9	11	8	7	Douglas.
84	**- 3**	**14**	**—**	**7·4**	**6·0**	**18**	**5·02**	**+0·33**	**1·48**																				
55	+14	23	+ 6	6·9	7·0	15	1·95	-0·75	·31	5th	3	1	0	3	14	7	17	2	32	1	5	3	4	21	7	8	9	4	Southport.
8	—	3	—	—	—	13	2·86	-0·03	0·70	26th	4	1	0	—	—	8	13	0	2	5	5	4	10	10	9	9	7	3	Manchester (City).
14	—	6	—	8·1	7·6	16	2·08	—	0·42	26th	1	0	0	0	15	9	26	0	12	14	4	2	6	5	10	10	7	4	„ (Whitworth P'k).
61	—	26	—	6·5	4·3	19	4·38	+1·49	0·72	5th	2	2	0	4	9	4	14	3	18	10	3	3	3	1	3	27	10	2	Aspatria.
53	+13	22	+ 5	5·5	4·4	17	2·69	-0·67	0·55	26th	3	0	0	7	5	5	24	5	15	10	5	3	8	7	8	11	8	2	Newton Rigg.
39	+ 5	16	+ 2	7·0	5·9	17	5·52	+1·43	**1·26**	26th	6	3	0	5	14	4	20	0	11	17	3	6	5	0	5	12	12	2	Stonyhurst.
60	+22	25	+10	7·4	6·6	17	2·14	-0·62	0·34	6th	0	1	0	2	16	1	17	0	28	3	4	4	4	13	11	10	9	4	Blackpool.
17	- 4	7	- 2	9·3	7·7	14	3·38	+0·29	0·72	26th	4	1	1	1	23	6	24	2	10	11	7	0	5	1	18	8	11	1	Manchester (Prestwich).
81	—	33	—	5·3	7·5	15	1·53	-0·61	0·35	16th	1	1	0	3	10	6	—	1	23	0	4	1	11	18	3	13	9	3	Liverpool.
82	+34	33	+14	5·7	7·4	16	2·53	-0·09	0·48	6th	0	0	0	2	15	0	—	0	9	6	4	2	8	0	4	9	28	1	Llandudno.
—	—	—	—	6·8	6·3	16	3·52	+0·43	0·72	6th	1	3	0	5	13	5	—	5	31	0	3	3	9	1	10	18	14	4	Holyhead.
58	—	23	—	5·3	5·0	18	6·03	—	0·82	26th	2	4	0	7	7	1	14	8	13	0	1	1	9	1	0	18	22	10	Bettws-y-Coed.
65	**+27**	**27**	**—**	**6·5**	**6·1**	**16**	**3·32**	**+0·29**	**1·26**																				
43	—	17	—	6·4	—	18	3·19	—	0·54	15th	1	2	0	10	18	6	—	0	20	24	2	8	4	0	2	8	8	6	Llangammarch Wells.
79	+25	31	+10	6·4	6·5	15	2·16	-1·38	0·62	7th	0	1	0	2	13	7	—	2	45	0	2	11	7	10	8	10	7	7	Pembroke.
—	—	—	—	6·5	6·0	15	0·70	—	0·34	7th	0	0	0	5	13	6	—	1	42	1	5	12	10	7	4	9	9	5	Portland Bill.
72	+21	28	+ 9	7·1	6·9	16	1·79	-1·78	0·71	7th	0	0	0	4	19	8	12	0	29	0	6	7	12	10	4	5	11	7	Plymouth.
49	- 8	19	- 3	6·9	6·5	15	2·01	-2·76	0·52	7th	0	4	0	2	16	2	—	0	23	0	7	10	3	11	6	9	6	10	Falmouth.
92?	+40	36?	+16	5·2	4·1	14	1·16	-1·37	0·34	7th	0	1	1	11	9	2	—	0	38	1	0	17	10	11	1	15	1	6	Woolacombe.
86?	—	33?	—	6·6	6·6	12	1·04	—	0·40	7th	1	0	0	7	17	14	15	0	5	2	8	5	6	9	8	4	12	8	Rousdon.
—	—	—	—	6·4	6·6	16	2·72	—	0·80	7th	6	4	0	4	14	11	16	3	21	2	4	5	8	19	4	7	5	8	Whitchurch.
66	**+14**	**26**	**—**	**6·7**	**6·8**	**15**	**2·07**	**-1·60**	**0·91**																				
—	—	—	—	7·4	6·5	18	1·96	-0·68	0·36	25th	0	3	0	0	13	0	—	12	33	0	4	2	2	5	22	12	8	7	Maliu Head.
—	—	—	—	7·6	7·1	22	8·17	+3·23	0·76	14th	0	2	0	0	15	1	—	3	48	0	0	4	7	4	21	18	2	6	Blacksod Point.
59	+17	24	+ 6	7·1	5·8	20	4·44	+0·63	0·60	6th	1	5	0	4	12	0	15	1	24	13	1	2	1	17	7	10	2	9	Markree Castle.
—	—	—	—	7·3	6·7	19	2·83	+0·15	**0·87**	7th	1	1	0	0	14	2	—	1	18	2	2	5	5	5	13	15	11	4	Donaghadee.
55	+10	23	+ 4	6·9	6·4	16	2·43	-0·26	0·77	6th	0	0	0	4	13	0	13	0	14	0	5	6	4	1	20	16	6	4	Armagh.
—	—	—	—	—	—	20	2·88	-0·01	0·59	6th	2	0	0	—	—	0	—	0	8	9	5	4	0	4	1	12	13	14	Belfast.
57	**+14**	**24**	**—**	**7·3**	**6·5**	**19**	**3·97**	**+0·52**	**0·87**																				
63	+ 5	26	+ 2	6·9	5·2	18	2·32	+0·08	0·73	6th	2	0	0	2	8	1	16	0	4	22	1	5	4	1	5	17	4	3	Dublin (Phœnix Park).
34	—	14	—	6·3	5·1	14	1·88	—	0·65	6th	1	1	0	5	9	4	14	0	9	15	1	0	7	4	1	8	14	12	„ (Trinity College)
—	—	—	—	5·6	4·7	16	2·06	+0·15	0·71	6th	2	1	0	6	7	7	10	4	18	3	3	2	6	7	8	14	13	6	„ (City).
—	—	—	—	—	—	17	1·98	-2·14	0·48	15th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
59	+ 8	24	+ 3	6·7	7·4	21	3·02	+0·13	0·70	6th	0	0	0	1	15	0	—	0	15	11	1	0	4	8	17	9	9	3	Birr Castle.
—	—	—	—	—	—	21	4·48	-1·77	**1·36**	16th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
48	- 3	19	- 1	7·0	6·6	21	5·20	-0·76	0·93	15th	0	4	0	2	12	0	—	1	34	0	3	8	11	5	21	6	4	4	Valencia.
—	—	—	—	6·8	6·8	24	2·52	-2·43	0·36	16th	1	0	0	2	16	3	—	2	34	1	7	7	6	2	14	10	10	5	Roche's Point.
56	**+ 5**	**23**	**—**	**6·5**	**6·4**	**21**	**3·06**	**-0·95**	**1.36**																				
36	- 3	21	- 2	8·0	8·7	19	1·14	-2·25	0·25	7th	1	0	0	0	19	0	—	2	52	0	5	9	9	7	7	9	11	5	Scilly.
96	+29	36	+11	7·1	6·3	17	0·88	-2·24	*0·31*	7th	4	4	1	4	16	5	—	3	32	1	2	7	15	13	4	6	9	5	Jersey.
81	+27	31	+11	7·1	5·5	11	1·23	-2·36	0·27	7th	1	0	0	4	11	5	7	7	31	3	3	12	2	12	8	12	4	6	Guernsey (Brooklyn).
77	**+13**	**29**	**—**	**7·6**	**7·5**	**16**	**1·05**	**-2·00**	**0·31**																				

The sunshine entered to Portsmouth is registered at Southsea.

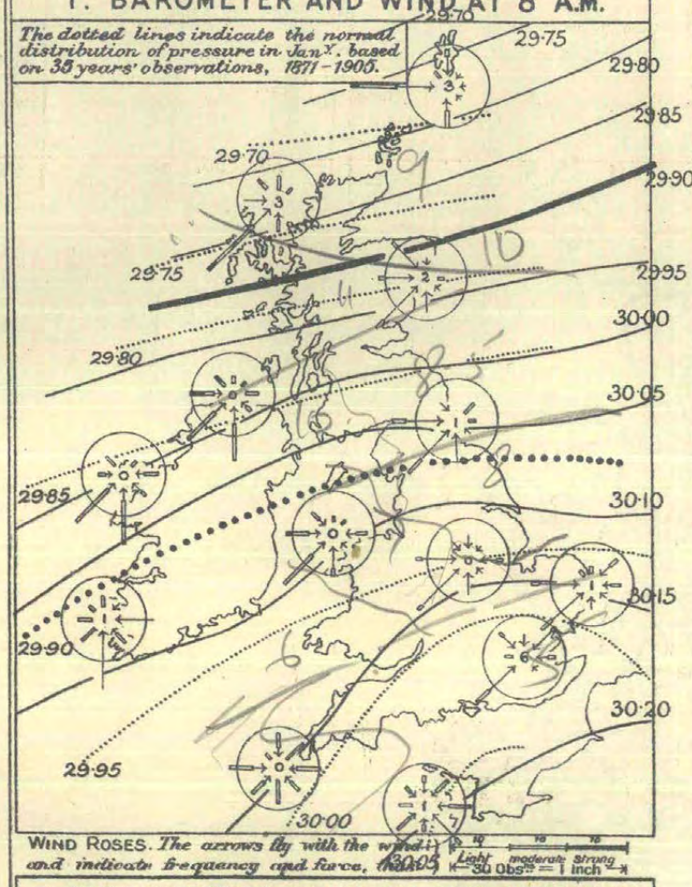
TABLE II.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, JANUARY, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
				Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.		Balta Sound	S	31	36·3	43·4	39·9	—	28	31st	50	17th	—	—	—	29	4·40	—	0·67	26th	11	—	6	—
1. SCOTLAND, E.	§	Crathes	S	140	29·6	42·9	36·3	—	16	2nd	54	16th	35·5	38·2	25	12	1·50	—	1·01	7th	66	—	29	—
	§	Balruddery	S	276	32·3	42·5	37·4	—	24	3rd, 5th	53	27th	—	—	--	19	2·26	—	1·07	7th	61	—	27	—
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44	+ 13	19	+ 6
	¶	West Linton	S	900	28·7	39·7	34·2	- 1·3	10	4th	49	6th, 15th	—	—	—	17	4·01	—	1·26	7th	46	—	20	—
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	31·6	43·9	37·8	0·0	22	4th, 22nd	54	16, 17, 27	—	—	--	13	1·82	-0·29	1·26	7th	—	—	—	—
		Newcastle-on-Tyne	—	152	32·9	43·7	38·3	—	22	13th	55	6th	—	—	—	11	1·14	-0·72	0·67	7th	24	- 3	10	- 1
		Saltburn-by-the-Sea	—	116	33·4	44·6	39·0	—	26	23rd	56	27th	38·0	—	—	7	0·65	—	0·34	7th	66	—	28	—
		Ampleforth	—	349	30·7	40·6	35·7	—	23	4th	53	27th	—	—	27	11	0·89	—	0·27	6th	—	—	—	—
		Tealby	—	251	30·8	40·1	35·5	- 1·4	21	12th	56	27th	—	—	—	9	1·12	-0·59	0·55	29th	—	—	—	—
	¶	Fulbeck	—	180	29·3	40·7	35·0	- 1·2	17	6th	54	27th	—	—	—	15	0·94	-0·73	0·16	6th	51	—	21	—
	§	Rauceby	—	124	28·6	41·2	34·9	—	10	12th	56	27th	—	—	24	18	1·51	-0·34	0·49	9th	63	—	26	—
3. ENGLAND, E.		Felixstowe	—	10	32·4	41·6	37·0	-1·5	20	5th, 6th	54	27th	—	—	—	16	1·22	—	0·63	7th	77	—	31	—
	¶ §	Rothamsted	—	424	27·8	41·0	34·4	- 2·7	11	12th	53	17th, 27th	—	—	—	15	1·44	-0·77	0·93	7th	67	+ 19	26	+ 7
		Shoeburyness	—	13	31·8	41·8	36·8	- 1·5	21	12th	53	27th	36·9	—	—	11	1·02	-0·36	0·80	7th	—	—	—	—
		Southend-on-Sea	—	100	32·6	41·2	36·9	—	22	11th	53	27th	36·9	—	27	7	0·85	-0·65	0·45	7th	89	—	35	—
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	29·4	40·9	35·2	- 1·7	17	13th	52	16th, 17th	35·6	39·2	21	15	1·55	-0·64	0·35	6th	65	—	27	—
		Bradford	—	330	29·6	41·0	35·3	—	13	13th	52	17th	—	41·6	22	18	2·10	—	0·50	26th	30	—	12	—
	¶	Cheadle	Mft	646	29·0	39·8	34·4	- 2·2	17	5th	52	27th	—	—	24	13	1·46	-1·13	0·52	6th	—	—	—	—
	¶	Bawtry	—	65	29·6	42·2	35·9	- 1·4	15	13th	56	27th	36·0	—	—	10	0·61	-1·04	0·16	28th	—	—	—	—
	§	Worksop	Mft	56	29·0	42·6	35·8	—	13	13th	57	27th	—	40·1	—	13	1·02	-0·97	0·30	8th	42	+ 6	17	+ 2
	¶	Raunds	Mft	210	27·9	41·5	34·7	- 3·1	10	5th	58	27th	—	—	—	14	1·12	—	0·54	7th	—	—	—	—
		Winslow	—	379	29·1	39·5	34·3	—	19	12th	51	17th, 27th	—	—	20	17	1·92	—	1·37	7th	—	—	—	—
	¶	Hereford	Mft	291	29·1	42·3	35·7	- 2·6	13	5th	54	27th	—	—	18	18	0·79	-1·51	0·21	7th	—	—	—	—
	¶ §	Cirencester	—	446	28·3	40·0	34·2	- 3·1	13	5th	53	17th	—	—	22	12	2·58	+0·06	0·85	7th	50	÷ 3	20	÷ 1
ENGLAND, S.E.		Epsom	—	160	29·3	41·7	35·5	—	13	6th	55	27th	—	—	26	19	2·50	—	1·90	7th	—	—	—	—
		Wokingham	—	216	27·9	42·3	35·1	—	10	6th	53	27th	—	—	—	8	1·54	—	1·10	7th	—	—	—	—
		Maidenhead	—	99	29·6	41·8	35·7	—	15	12th	54	17th, 27th	—	—	26	15	1·68	-0·29	1·25	7th	—	—	—	—
	¶ §	Marlborough	—	424	29·7	41·6	35·7	- 1·8	15	6, 11, 12	52	17th	—	—	23	15	1·69	-1·11	1·19	7th	53	+ 11	21	+ 4
	¶	Swarraton	Mft	310	29·6	41·5	35·6	- 1·8	13	6th	52	27th	—	—	—	14	1·82	-0·98	1·15	7th	—	—	—	—
	¶ §	Margate	—	35	32·8	42·0	37·4	- 1·6	24	11th	54	27th	34·0	40·9	16	11	1·58	-0·15	0·80	7th	71	+ 24	28	+ 9
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	12	2·07	—	1·32	7th	80	—	31	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	78	—	30	—
	¶ §	Wisley	—	150	30·5	42·0	36·3	- 1·7	16	6th	54	27th	36·9	41·9	20	10	1·55	—	1·26	7th	58	—	23	—
	¶ §	Tunbridge Wells	Mft	421	30·5	40·5	35·5	- 1·9	20	12th	52	27th	36·9	—	--	14	1·91	-0·65	1·36	7th	87	+ 40	34	+ 16
		Folkestone	—	121	31·8	41·7	36·8	—	18	11th	52	27th	—	—	—	7	0·92	-1·47	0·53	7th	80	—	31	—
	§	Littlestone-on-Sea	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	71	—	28	—
		Bexhill	—	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Worthing	—	33	32·8	42·8	37·8	- 1·1	19	6th	49	14, 17, 27	37·3	43·7	16	11	1·19	-1·27	0·93	7th	96	—	37	—
		Bognor	—	20	33·5	42·6	38·1	—	21	6th	50	27th	—	45·4	15	15	1·02	—	0·78	7th	91	—	35	—
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75	—	29	—
		Totland Bay	—	150	34·0	43·2	38·6	- 1·3	22	11th	50	27th	—	—	—	13	0·96	-1·41	0·71	7th	99	—	38	—
		Bournemouth	—	145	32·9	43·5	38·2	—	19	4, 6, 11	53	17th, 27th	38·3	41·7	—	12	0·82	—	0·49	7th	81	—	31	—
		Weymouth	—	21	35·2	44·3	40·0	—	23	11th	53	17th	—	—	--	12	0·93	—	0·40	7th	82	—	32	—
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	31·1	41·8	36·5	—	13	4th	51	15th	—	—	17	16	5·31	—	0·91	7th	36	—	16	—
	¶	Kilmarnock	—	90	32·0	44·0	38·0	- 1·4	11	4th	52	15th	—	—	—	16	5·16	—	0·83	26th	36	—	15	—
7. ENGLAND, N.W.		Carnforth	—	174	30·2	42·2	36·2	—	20	4th	52	17th	—	—	21	14	4·30	—	0·85	15th	60	—	25	—
		Darwen	—	710	29·5	40·5	35·0	—	18	5th	50	17th	35·1	39·9	17	13	4·07	—	0·85	26th	38	—	16	—
		Burnley	—	459	29·6	41·2	35·4	—	16	5th	51	17th	35·0	40·2	22	14	3·67	—	1·13	26th	37	—	15	—
	§	Hoylake	—	30	32·9	43·6	38·3	—	18	4th, 5th	54	17th	—	—	19	15	1·62	—	0·39	16th	76	—	31	—
		Rhyl	—	30	33·2	45·2	39·2	—	16	4th	57	16th	—	—	—	17	1·89	+0·16	0·38	16th	98	—	40	—
	¶	Hawarden Bridge	—	22	30·8	43·2	37·0	- 3·2	14	4th, 5th	56	17th, 27th	—	—	—	13	1·51	-0·19	0·36	6th	—	—	—	—
		Towyn	—	10									—	—	—									
	§	Aberdovey	—	22	35·8	44·0	39·9	—	23	5th	56	23rd	—	—	—	15	3·49	—	0·85	15th	90	—	36	—
	§	Aberystwyth	—	59	36·2	45·2	41·0	—	23	10th	54	23rd	—	—	—	—	—	—	—	—	88	+ 30	35	+ 13
8. ENGLAND, S.W.		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70	—	30	—
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	88	—	35	—
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	—	30	—
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	12	0·96	—	0·43	7th	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	10	1·04	—	0·32	7th	—	—	—	—
	¶	Cardiff	—	50	31·9	41·4	36·7	- 3·6	19	5th	56	17th	36·6	41·9	15	17	2·58	-1·25	0·90	16th	70	—	28	—
		Swansea	—	24	33·7	43·7	38·7	—	20	5th	51	17th, 27th	—	—	16	17	3·25	—	0·58	16th	—	—	—	—
	¶	Clifton	—	229	32·4	42·6	37·5	- 2·1	20	6th	55	17th	—	—	14	13	1·66	-1·37	0·91	7th	63	—	25	—
	¶	Shaftesbury	Mft	722	32·0	40·9	36·5	- 0·9	20	3rd	51	27th	36·7	—	—	13	1·36	-1·42	0·65	7th	—	—	—	—
	¶	Arlington	—	613	32·9	43·4	38·2	- 1·7	18	5, 6, 11	54	17th	—	—	—	13	3·84	-0·64	0·90	16th	—	—	—	—
	¶ §	Cullompton	Mft	202	31·8	43·9	37·9	- 1·9	16	11th	53	16th	—	—	16	19	1·38	-1·88	0·32	7th	58	÷ 13	22	÷ 5
		Torquay	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63	+ 4	24	+ 1
	§	Newquay	—	100	38·4	46·2	42·3	- 1·4	23	3rd, 4th	55	17th	43·3	—	—	17	0·98	-2·36	0·25	7th	69	÷ 16	27	÷ 6
		Salcombe	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69	—	26	—
		Penzance	—	54	40·5	47·3	43·9	—	27	4th	55	17th	—	—	—	18	1·52	—	0·25	7th	58	—	22	—

MONTHLY WEATHER CHARTS, JANUARY, 1908.

1. BAROMETER AND WIND AT 8 A.M.

The dotted lines indicate the normal distribution of pressure in Jan.y, based on 35 years' observations, 1871–1905.

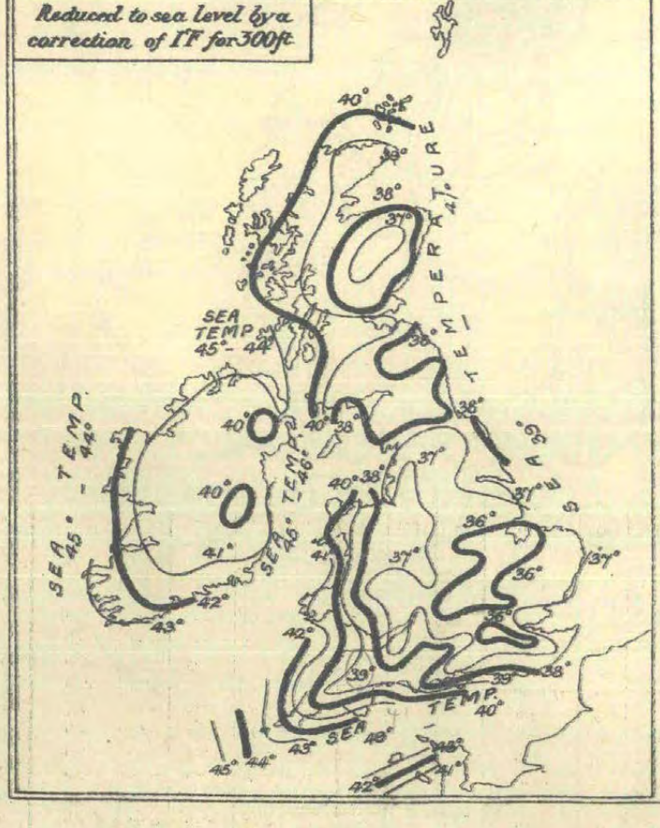


WIND ROSES. *The arrows fly with the wind: and indicate frequency and force, thus:* Light moderate Strong — 30 Obs. = 1 inch

2. MOVEMENTS OF DEPRESSIONS.

3. DISTRIBUTION OF MEAN TEMPERATURE.

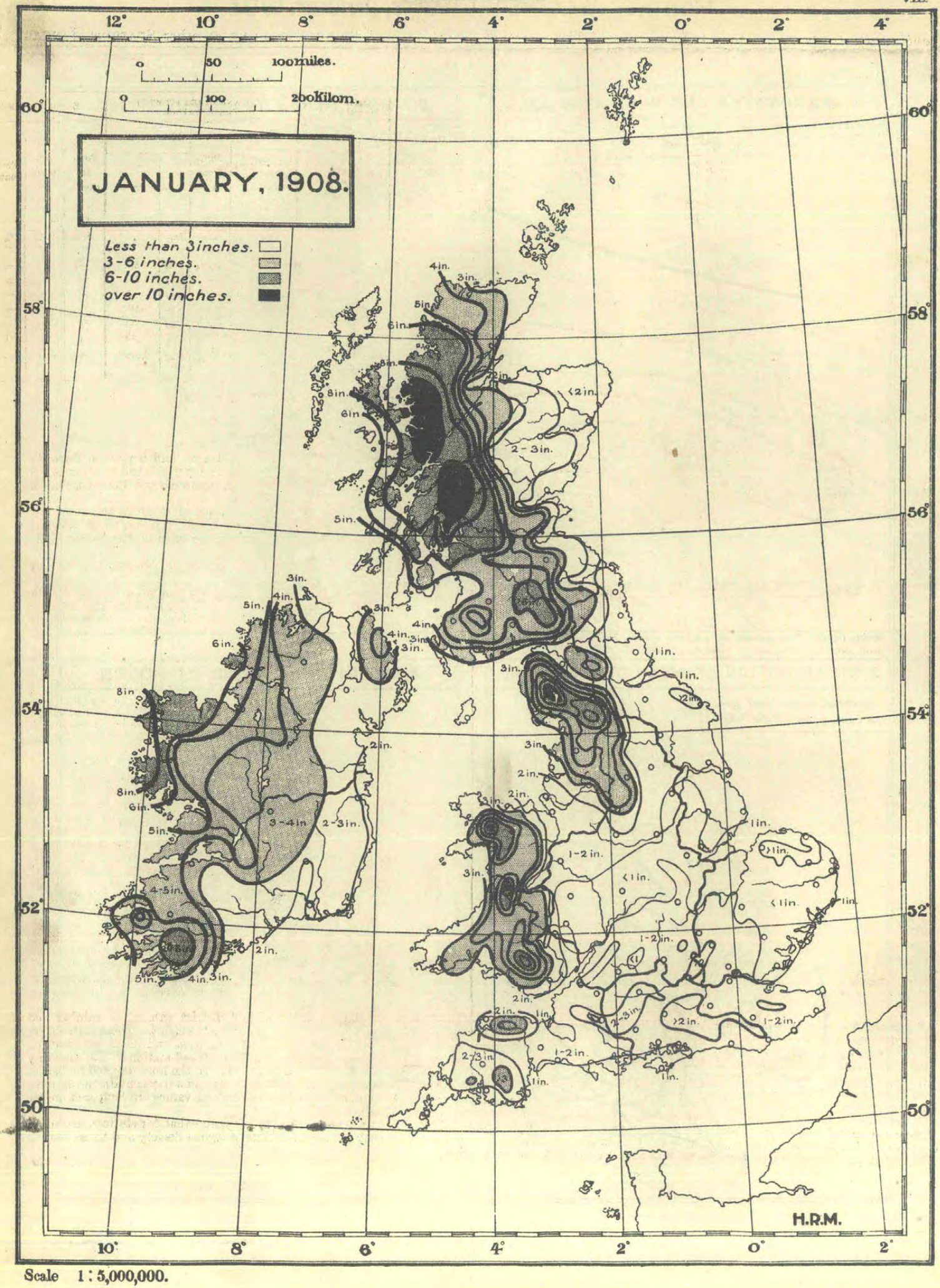
Reduced to sea level by a correction of 1°F for 300ft.



4. BRIGHT SUNSHINE IN HOURS.

Wyman & Sons, Ltd. Lith., London & Reading.

RAINFALL.



Scale 1 : 5,000,000.

TABLE II (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, JANUARY, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A (Min.)	Mean of B (Max.)	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.					
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.	Dublin (Glasnevin)	67	34·2	46·1	40·2	− 0·3	15	5th	54	16, 17, 27	—	—	16	17	2·14	−0·14	0·68	6th	—	—	—	—
	Clongowes Wood College	237	32·7	45·1	38·9	—	15	5th	53	16th	—	—	—	21	2·70	—	0·65	6th	55	—	22	—
	¶ Kilkenny	212	33·4	45·7	39·6	− 1·1	14	5th	54	26, 27	—	—	—	20	1·94	−1·45	0·37	15th	—	—	—	—
	¶ Cahir	199	35·1	45·4	40·3	− 1·0	19	5th	57	26th	—	—	—	25	2·98	—	0·50	15th	—	—	—	—
	¶ Foynes	108	35·5	46·3	40·9	− 0·5	22	3rd, 5th	54	14, 15, 16	—	—	—	23	3·24	−0·42	0·59	6th	—	—	—	—
	§ Ballinacurra	34	35·9	47·1	41·5	—	24	11th	57	27th	—	—	—	21	2·17	—	0·38	15th	53	—	21	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey)	180	38·5	45·6	42·1	− 1·2	28	5th	52	17th	—	—	—	11	1·09	−2·50	0·29	28th	78	+ 26	30	+ 10

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—Observations are made at **8 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.**, mean local time, at normal climatologicalstations. The names of normal climatological stations for which full summaries are prepared are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Ventnor, Portsmouth** and **Llangammarch Wells**.

Barometer.—The correction for **latitude** has not been applied. The values are for station level. They are the means of readings at 8 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the case of Brighton, Coventry, Llangammarch Wells, Portsmouth and Ventnor, where they are the means of the observations at 9 a.m. The difference from average is based upon the 8 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours ended at the time of morning observation; they are entered by the observers to the day preceding that of the observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. *Except* in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. At Coventry, Portsmouth, Llangammarch Wells, and Camden Square, where observations of wind (and cloud) are taken only once a day, the results given in these columns have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 3 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906, and in Appendix I. to the Daily Weather Report.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 3, the number of persistently cloudless days was 2, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked $ is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

OFFICIAL COPY.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. II. FEBRUARY, 1908. [*Price 6d. Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The atmospheric conditions over the British Isles during the month of February were of a somewhat abnormal character. This resulted from the remarkable persistency of an extensive system of high pressure which embraced the Middle Atlantic region, Western Europe and the greater part of these Islands. Only on the 12th and 13th was the area of maximum pressure temporarily removed to the inland districts of the Continent, away from the sea beyond our south-western coasts. On several days in the first fortnight the barometer was above 30·5 ins. at a number of stations in this country, and from the 4th to the 7th it exceeded 30·75 ins. in Ireland and south-western England, mounting to 30·86 ins. at Valencia on the evening of the 6th. As was the case in January, the central spaces of nearly all the cyclonic systems were again found in the neighbourhood of the Arctic Circle, between Greenland and Northern Scandinavia, but about the middle of the month two depressions passed north-eastward between Shetland and the Faeröe, and later two moved down the North Sea. In the last two disturbances the barometer fell below 29 ins. at some northern stations, at Sumburgh Head to 28·17 ins. on the 22nd, and to 28·69 ins. on the 28th. The steady prevalence of high pressure to the south-west, and of low pressure to the north-east is reflected in the general results for the month, the barometer values showing an excess of 0·31 in. at Valencia, 0·28 in. at Scilly, and 0·26 in. at Roche's Point, diminishing north-eastward to a deficiency in the north-east of Scotland, of 0·01 in. at Nairn, 0·03 in. at Aberdeen, 0·06 in. at Wick, and 0·13 in. at Sumburgh Head. The mean gradient was thus very largely increased—normally it is 0·23 in. between Jersey and Shetland, but on this occasion it amounted to 0·62 in. over the same distance. A similarly interesting feature is disclosed in the extreme range of pressure, which varied from 1·3 in. at Valencia to 2·3 ins. at Sumburgh Head.

From these facts it is obvious that the distribution of barometric pressure was of a north-westerly type (the normal being south-westerly) all over the kingdom. So unusually steady was the type that there were hardly any records of winds to the eastward of north or south. It will be gathered from the unusual steepness of the gradient that the period under review was very windy. Although the centres of most of the disturbances were far away to the northward the influence of the systems extended over a very wide area, so that the wind frequently rose to a gale on some part or other of our coasts—on at least 17 days—but in the first half of the month the only strong gale (North-Westerly) was in Shetland, on the 8th. The depression which appeared near the north-western coasts on the evening of the 14th, and subsequently passed on to Norway, did not occasion a strong gale anywhere. It is worthy of note that as the centre passed near Stornoway the barometer fell 0·08 in. in one hour, then rose 0·19 in. in an hour. The weather had been mainly fine, dry and sunny up to the 14th, but on the 15th it underwent a most decided change, gales and rain, hail, sleet or snow occurring nearly every day. There were, however, very few instances of precipitation amounting to an inch on any one day; the largest amounts were 1·3 in. at Swansea and 1·6 in. at Arlington on the 16th, 1·4 in. at Glencarron on the 21st, and at Ardross Castle on the 29th, when 1·3 in. fell at Dunrobin Castle.

On the morning of the 17th a disturbance was indicated to the westward of the Hebrides. Like its immediate predecessor it went on to Norway, causing a gale in various parts of the country, but only Roche's Point had the force of a strong gale (North-Westerly), on the 17th and 18th.

A deep cyclonic system which appeared on the evening of the 21st off the south of Iceland brought about the most tempestuous conditions of the season over the land. The disturbance, moving on a due easterly course, made slow progress, the rate of translation being 15 miles per hour up to the evening of the 23rd, when it was near the Norwegian coast, thence southward to the Dutch coast at 19 miles an hour, afterwards crossing Germany and dispersing near St. Petersburg in the night of the 26th. Almost as soon as the depression was indicated off Iceland the Westerly wind increased to a gale or strong gale on our north-western coasts. As the system approached pressure gave way rapidly and there was a general backing of the wind, so that on the morning of the 22nd South-Westerly strong winds to strong gales were reported at all our western stations. At Aspatria and Castlebay the barometer fell 0·26 in. in two hours, at the latter station 0·57 in. in five hours, and at Kirkwall 0·5 in. in four hours. By 2 p.m. the minimum pressure, about 28 ins., was between the Hebrides and the Faeröe, and at this hour practically the whole of the British Isles had come under the influence of the system, a strong to a whole Westerly to North-Westerly gale raging on the north-western coasts. Inland the gale was at its height between 11 a.m. and noon over eastern Ireland, soon after midday in Wales and the south of Scotland, about 2 p.m. at Hawarden Bridge, Harrogate, Carnforth and Newcastle-on-Tyne, about 3 p.m. at Stokesay, Birmingham, Nottingham and Lincoln, 4.30 p.m. at Norwich and Cromer, and between 5 and 6 p.m. at Southend-on-Sea. The observers generally describe the gale as "great," "severe," "violent" or of "hurricane fury," while over an extensive area it burst to the accompaniment of thunder, lightning, rain and hail. Of the telegraphic reporting stations Castlebay, Malin Head and Donaghadee experienced the force of a whole gale, and Wick a storm, while H.M. Telegraph Ship "Monarch," at Kirkwall, had a whole gale, with squalls of hurricane force, from 4.30 p.m. to 9 p.m., and continuing a strong gale until 8 a.m. on the 23rd. Anemometrical registers show a mean hourly velocity of 51 miles in an hour at Kingstown, 52 miles at Southport, 55 miles at Fleetwood, and 59 miles at Deerness, while in the fiercest squalls a velocity at the rate of 81 miles was attained at Holyhead and Southport. For such a gale the casualties at sea were both few and unimportant, but the inland districts suffered severely. Many churches, factories, and other buildings were damaged, involving in some cases loss of life; corn and haystacks overturned, numberless trees uprooted, nearly the whole of the fir trees in one of the avenues on the King's estate at Sandringham were thrown down, and in Donegal a railway passenger train was blown off the rails. In the course of the night the gale abated. At 6 p.m. the pressure difference between Stornoway and Castlebay (90 miles) was 0·41 in., and between Wick and Nairn (60 miles) it was 0·33 in. As the depression moved down the North Sea, on the 24th, the wind veered more Northerly and again increased, to a strong gale at Malin Head, Roche's Point and Holyhead, a whole gale at Scilly, with squalls at the rate of 74 miles an hour.

Another disturbance appeared over Denmark Strait on the 26th, and following a path round the north of Iceland, it was centred between the Faeröe and Shetland on the morning of the 28th. Then moving down the western side of the North Sea at little more than 10 miles an hour it was between Norfolk and Holland on the morning of March 1st. Its progress was marked by Westerly to North-Westerly gales in many localities, a strong gale at Castlebay, Malin Head, Donaghadee, Roche's Point and Jersey, a storm at Scilly, where a squall with a velocity at the rate of 84 miles an hour was registered on the 28th. Local thunderstorms occurred, but the feature of this gale was the pretty general fall of snow and the coldest weather of the month. On the 27th Ardross Castle had 4 ins. of snow, and next day 6 ins.; Heddon-on-the-Wall on the 27th, and Cardiff on the 29th had 4½ ins., most of the other records being much smaller.

The month's temperature was singularly equable, hardly any of the afternoon maxima touching 55°, while few of the night minima passed below 25°, so that the extreme range was remarkably small—at many inland stations, even, it was only 20° to 25°. This abnormal evenness is markedly reflected in the mean sea-level results, which decrease more or less gradually from south-west to north-east across Ireland, England and Scotland, obliterating the normally colder inland areas.

Fog was experienced on various parts of our coasts on the 2nd, 5th to 7th, and 10th to 14th, but inland it was rarely observed.

From January the change in the temperature of the coastal waters was slight and rather irregular. Over the northern half of the Irish Sea and locally off the east and north-east of Scotland it was somewhat colder, in many places it was practically unaltered, while elsewhere the increase generally was only a degree or two. As a rule, therefore, there was but little difference between the air and the water. Along the south and south-east of England the sea was about a degree colder than the air.

Rainfall.—There was an excess of precipitation over the northern half of the kingdom, a deficiency over the southern half. Generally, the divergence was moderate, but a few stations in Scotland had an excess of 2 ins. or more, 3·2 ins. at Glencarron, while in southern Ireland some places had a deficiency of 1·9 in., and Roche's Point 2·9 ins. There were few aggregates exceeding 5 ins., but Laudale had 7·5 ins., Gruline 7·9 ins., Fort William 8 ins., and Glencarron 10·3 ins. On the other hand various localities had less than an inch, Cheltenham and Reading 0·75 in., Worcester Lodge, Forest of Dean 0·7 in., and Dundee 0·6 in. Several northern and north-western stations had precipitation on every day, the frequency ranging downward to between six and ten days locally in Gloucestershire.

Bright Sunshine.—There was a deficiency of sunshine over Ireland, the western half of England and the extreme eastern counties, and in the north of Scotland, an excess elsewhere. In general the differences were not large, but Woolacombe lost 26 hours, Valencia and Scilly 25, while Edinburgh gained 28, and Aberdeen 34 hours. A notable feature of the month is seen in the largest sunshine totals being in the north-east, 101 hours at Crathes, 106 at Aberdeen, 111 at Cockle Park, Morpeth, and 112 at Balruddery, all other stations returning 95 hours or less, 23 hours at Hull, and 21 at Balta Sound.

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TABLE III.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum	Day.	Absolute Maximum	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	At 4 feet depth
			ft.	Ins.	Ins.	Min.	Max.							a.m.	p.m.	a.m.	p.m.	a.m.	p.m.	%	%		
0. SCOTLAND, N.																							
Islands.	¶	Sumburgh Head	126	29·490	− ·126	34·1	42·3	38·2	0·0	26	28th	48	13th	38·6	39·4	1·5	1·7	·205	·208	88	87	—	—
	§	Deerness	163	29·539	—	35·0	43·0	39·0	+0·5	26	28th	49	11th	39·8	39·3	1·6	1·3	·216	·216	87	89	—	—
	¶ §	Stornoway	52	29·766	+ ·028	37·0	45·2	41·1	+2·1	26	28th	51	12th	40·9	41·7	1·1	1·7	·233	·228	91	87	—	—
		Castlebay	38	29·837	+ ·071	39·6	45·9	42·8	+1·9	29	28th, 29th	49	5th, 6th	43·7	43·2	1·6	1·7	·249	·243	87	87	—	—
Mainland.	¶	Wick	80	29·653	− ·056	33·8	44·6	39·2	+1·3	24	28th	52	10th, 12th, 13th	38·6	39·8	1·4	1·5	·207	·215	89	88	—	—
	¶	Lairg	387	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Strathpeffer	210	29·598	—	35·8	45·7	40·8	+3·6	25	28th	55	11th	40·3	39·8	2·1	2·4	·208	·199	84	81	—	—
	¶	Glencarron	489	29·306	—	35·5	43·6	39·6	+2·7	26	27th, 28th	53	22nd	39·2	39·3	1·4	2·2	·212	·198	88	83	—	—
	¶ §	Fort Augustus	68	29·798	—	35·0	44·9	40·0	+1·8	27	28th	50	5th, 6th, 11th	40·0	39·7	1·2	1·6	·222	·212	90	87	—	—
	¶	Fort William	37	29·858	—	36·7	45·6	41·2	+2·2	27	29th	50	6th	41·2	40·9	1·8	2·1	·221	·213	86	84	—	—
		District Value	−			**35·4**	**44·4**	**39·9**	**+2·3**			**55**											
1. SCOTLAND, E.																							
		Dunrobin Castle	12	29·768	—	34·6	45·5	40·1	+1·3	25	28th	55	11th	40·0	39·2	2·0	1·9	·207	·203	84	84	39·7	—
	¶ §	Nairn	82	29·717	− ·013	35·1	45·2	40·2	+2·5	25	28th	51	5th, 12th, 21st	39·5	40·0	1·7	2·1	·209	·205	86	83	—	—
	¶	Gordon Castle	101	29·677	—	34·9	46·1	40·5	+1·9	26	28th	54	10th	41·0	40·6	2·7	2·4	·202	·205	79	82	—	—
	¶ §	Aberdeen	90	29·724 / 29·720	− ·027 / − ·027	35·9	45·4	40·7 / 40·5	+2·6 / +2·2	29	28th	53	7th	41·6	39·7	4·1	2·9	·185	·189	72	77	—	39·3
		Tillypronie	1120	28·606	—	31·3	44·3	37·8	+2·8	24	28th	52	10th	37·7	36·2	1·7	1·7	·193	·182	85	86	—	—
	¶	Balmoral	920	—	—	31·9	42·3	37·1	+2·6	24	28th	50	5th, 20th	37·3	—	1·9	—	·186	—	84	—	—	—
		Dundee	160	29·692	—	34·6	45·6	40·1	+2·4	28	28th	52	8th	39·1	38·7	1·4	2·0	·211	·197	89	85	—	—
	¶	Crieff	440	29·404	—	33·8	46·3	40·1	+2·2	25	28th	54	8th	40·2	39·2	1·6	1·5	·216	·210	88	88	—	—
	¶	Leith	37	29·845	+ ·015	37·9	47·0	42·5	+2·8	30	28th, 29th	53	8th	41·8	42·9	2·1	2·8	·223	·218	85	80	—	—
	¶ §	Marchmont	490	—	—	33·9	45·3	39·6	+2·4	27	28th	50	6th, 12th, 21st	39·4	38·9	1·9	2·3	·205	·193	85	83	37·2	—
		District Value	−			**34·5**	**45·0**	**39·8**	**+2·8**	**24**		**56**											
2. ENGLAND, N.E.																							
Northern Part.	§	Cockle P'rk (Morpeth)	331	29·545	—	34·0	45·0	39·5	—	28	28th	51	21st	39·1	38·3	0·7	0·8	·226	·218	94	93	37·3	39·4
	¶	Shields	117	29·782	+ ·014	34·7	47·0	40·9	+1·7	28	29th	55	21st	40·0	41·4	1·4	2·3	·218	·214	89	83	—	—
		Seaham	138	29·778	—	36·5	46·4	41·5	+2·1	30	28th	53	6th	41·3	39·5	2·3	2·0	·218	·204	82	84	—	—
	¶ §	Durham	352	29·546	—	34·4	46·5	40·5	+2·6	29	2nd	55	6th	40·6	39·8	2·3	2·3	·209	·204	82	82	—	—
		Whitby	145	29·764	—	35·7	47·5	41·6	+1·8	30	28th, 29th	58	6th	40·7	40·3	2·3	2·0	·208	·211	81	84	—	—
	¶	Rounton	245	29·674	—	33·2	46·2	39·7	+1·9	25	2nd, 29th	55	6th	38·7	38·7	1·7	2·0	·201	·196	86	83	37·0	—
	¶ §	Scarborough	100	29·803	—	36·7	48·1	42·4	+3·2	29	29th	56	6th	41·9	41·7	2·5	2·5	·216	·213	82	82	—	40·7*
	¶ §	York	53	29·936	—	35·9	47·2	41·6	+2·6	29	2nd	54	10th	40·2	40·5	1·6	1·9	·216	·213	88	85	38·3	40·2
Southern Part.		Hull	2	29·975	—	35·6	46·7	41·2	+2·5	26	29th	52	7th, 11th, 18th	40·6	41·0	1·8	1·8	·216	·219	86	86	37·6	41·4
	¶	Spurn Head	28	29·923	+ ·037	36·0	44·0	40·0	+1·0	30	29th	50	21st	39·2	41·3	1·1	1·8	·218	·223	91	86	—	—
	§	Skegness (7 a.m.)	16	30·001	—	33·8	46·0	39·9	—	26	29th	52	6th, 21st	37·7	41·4	1·0	1·8	·207	·224	91	87	—	—
	¶	Lincoln	42	—	—	33·7	46·8	40·3	+1·6	24	29th	51	17th	38·6	39·5	1·5	1·9	·206	·208	86	85	37·6	40·3
		District Value	−			**35·0**	**46·5**	**40·8**	**+2·2**	**24**		**58**										**37·6**	**40·3**
3. ENGLAND, E.																							
Northern Part.	¶ §	Cromer	139	29·845	—	35·3	46·5	40·9	—	23	1st	53	6th	39·0	39·6	1·2	1·1	·214	·221	90	91	—	—
	¶ §	Hillington	92	29·911	—	34·1	46·2	40·2	+1·7	28	5th	51	21st	39·1	39·1	1·6	1·5	·207	·208	87	87	—	—
	¶	Norwich	98	—	—	35·3	45·9	40·6	—	29	3rd, 5th	52	21st	—	—	—	—	—	—	—	—	—	—
	¶ §	Yarmouth	21	29·953	+ ·063	34·7	45·2	40·0	+1·7	30	29th	51	6th, 21st	38·4	42·0	1·5	2·0	·202	·225	88	85	—	—
		Lowestoft	75	29·943	—	34·9	45·7	40·3	+1·3	29	29th	52	6th	41·1	39·6	2·0	1·7	·217	·209	84	86	39·1	41·2
	¶ §	Geldeston	47	29·972	—	34·9	46·9	40·9	+1·9	28	13th	54	6th	39·7	40·1	1·6	1·8	·212	·212	87	85	—	—
Southern Part.	¶ §	Cambridge	43	30·006	—	34·6	48·1	41·4	+2·4	27	5th	54	6th	39·7	39·6	1·4	1·6	·218	·214	88	87	39·4	42·0
		Woburn	294	29·773	—	35·4	47·1	41·3	—	25	13th	53	17th	40·3	40·4	0·9	1·2	·234	·227	92	89	—	—
		Bennington	411	29·652	—	35·0	46·6	40·8	+2·5	27	2nd	53	17th	39·1	39·2	1·2	1·7	·214	·206	90	86	39·5	40·5
	¶ §	Clacton	62	30·001	—	35·7	46·2	41·0	+1·6	30	3rd	52	6th	39·0	40·0	1·1	1·2	·218	·224	91	90	40·4	43·3
		Berkhamsted	397	29·661	—	35·2	47·4	41·3	+2·6	25	13th	55	17th	39·4	39·8	1·4	1·8	·214	·209	89	85	39·2	—
		District Value	−			**35·2**	**46·6**	**40·9**	**+2·4**	**23**		**55**										**39·5**	**43·0**
4. MIDLAND COS.																							
Eastern Part.		Garforth	198	—	—	34·9	46·1	40·5	—	24	5th	51	22nd	40·7	39·4	1·4	1·4	·229	·215	89	88	39·1	41·1
		Huddersfield	411	29·549	—	36·2	44·5	40·4	—	29	29th	49	7th, 20th	40·0	39·3	1·3	1·6	·222	·211	89	86	37·9	39·7
		Wakefield	100	29·890	—	37·2	47·0	42·1	+3·0	28	13th, 29th	52	22nd	41·8	42·4	2·0	2·6	·223	·217	84	80	—	—
		Belvoir Castle	276	29·737	—	35·1	46·4	40·8	+2·1	26	5th, 29th	52	6th	39·2	39·8	1·3	1·7	·214	·211	89	87	—	40·0*
		Coventry	309	29·727	—	35·8	47·1	41·5	+2·1	28	2nd	53	21st	40·7	—	1·8	—	·217	—	86	—	39·6	43·1
	¶ §	Nottingham	85	29·934	+ ·069	35·4	47·5	41·5	+2·5	21	13th	53	6th	39·8	43·0	1·5	2·8	·215	·219	88	79	38·2	39·3
	¶ §	Birmingham	542	29·474	—	36·7	46·1	41·4	+2·5	29	13th	51	20th, 21st	39·5	40·6	1·4	2·4	·216	·206	88	81	40·6	43·4
	¶ §	Oxford	212	29·882 / 29·866	+ ·128 / + ·114	35·2	47·6	41·4	+1·7	24	13th	53	19th	39·3 / 42·0	41·9 / —	1·6 / 2·5	— / —	·209 / ·216	— / —	88 / 82	— / —	—	—
	¶ §	Bath	84	30·026	+ ·163	36·3	48·3	42·3	+1·8	26	2nd	55	19th	40·9	44·7	1·1	—	·233	—	91	—	41·0	44·1
Western Part	¶	Shrewsbury	212	29·853	—	36·7	48·2	42·5	+2·4	27	8th	54	17th	41·9	41·2	1·8	2·0	·232	·219	86	84	—	—
		Buxton	977	28·957	—	34·1	41·9	38·0	+1·9	24	29th	46	21st	38·6	37·3	1·3	1·3	·209	·197	89	88	—	—
	§	Sheffield	450	29·527	—	37·1	46·3	41·7	+2·3	28	29th	52	6th	41·2	40·9	2·1	2·3	·219	·212	83	82	38·2	40·2
		Stokesay	375	29·694	—	35·3	47·9	41·6	—	24	13th	53	6th	42·8	40·4	1·7	1·5	·238	·220	87	88	—	—
		Cheltenham	206	29·889	—	36·8	47·7	42·3	+2·9	27	2nd	52	19th	42·5	41·2	1·7	1·7	·235	·223	86	86	—	—
		District Value	−			**35·4**	**47·0**	**41·2**	**+2·6**	**20**		**55**										**39·1**	**41·1**

For notes see p. xix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of FEBRUARY, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4-7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																				
—	—	—	—	9·3	8·6	27	3·73	+0·85	0·50	22nd	0	0	0	0	23	1	—	5	25	3	10	2	0	0	6	4	23	10	Sumburgh Head.
39	−15	15	− 6	7·2	7·8	19	4·26	+1·40	1·10	22nd	8	7	0	0	17	0	—	6	40	3	4	1	0	1	7	7	21	14	Deerness.
41	−19	15	− 8	8·6	9·0	29	5·89	+2·00	0·61	14th	4	9	0	0	24	0	—	10	43	1	4	1	0	0	2	15	17	18	Stornoway.
53	—	20	—	9·2	9·2	25	2·53	—	0·33	29th	3	11	0	0	26	3	—	3	36	0	3	1	0	3	3	4	20	24	Castlebay (Barra Isd.)
—	—	—	—	7·9	7·7	22	3·32	+1·23	0·40	22nd	7	0	0	0	11	0	—	5	19	3	9	5	0	0	2	5	22	12	Wick.
—	—	—	—	—	—	—	? 3·97	+1·01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
57	− 4	21	− 2	7·0	5·6	22	4·12	+1·49	0·66	29th	7	0	0	2	9	0	—	1	24	13	2	3	0	0	1	12	17	10	Strathpeffer
—	—	—	—	8·9	8·5	29	10·31	+3·20	1·40	21st	3	0	1	0	21	0	—	1	35	2	3	1	6	0	1	0	45	0	Glencarron.
36	− 6	13	− 3	8·6	7·3	24	5·22	+1·15	0·85	22nd	8	3	0	0	18	0	—	3	20	6	4	0	0	0	2	39	6	1	Fort Augustus.
—	—	—	—	9·0	8·3	29	7·95	+0·71	1·16	22nd	8	3	0	0	20	11	—	1	12	7	0	3	1	0	1	21	21	4	Fort William
43	**−13**	**16**	**− 5**	**8·4**	**8·0**	**27**	**5·77**	**+1·12**	**1·40**																				
—	—	—	—	—	—	17	5·05	+2·61	1·32	29th	5	0	0	—	—	0	—	1	8	6	5	1	1	1	3	3	20	18	Dunrobin Castle.
60	—	22	—	8·1	7·2	20	2·75	+1·16	0·63	29th	7	1	0	0	12	0	—	0	10	4	1	2	0	1	1	9	32	8	Nairn.
—	—	—	—	7·9	6·7	17	1·81	−0·09	0·26	17th	4	5	1	0	13	0	—	1	6	0	0	2	0	2	6	19	16	13	Gordon Castle.
106	+34	39	+11	6·6	4·7	17	1·17	−1·07	0·23	25th	6	0	1	3	5	0	—	0	18	0	3	0	0	0	6	17	16	16	Aberdeen.
—	—	—	—	7·1	4·9	23	2·62	+0·51	0·37	29th	13	0	0	1	7	0	18	6	49	0	11	1	0	0	1	5	15	25	Tillypronie.
—	—	—	—	7·0	—	17	2·80	+0·14	1·00	29th	11	2	0	—	—	1	22	4	14	0	4	0	0	0	2	0	50	2	Balmoral.
—	—	—	—	8·2	7·3	14	0·60	−1·56	0·17	22nd	3	0	0	1	16	4	—	5	20	0	0	3	2	1	0	9	26	17	Dundee
—	—	—	—	5·6	6·4	16	3·06	−0·21	0·68	22nd	7	0	0	0	7	0	—	6	16	0	13	3	4	0	0	0	30	8	Crieff.
—	—	—	—	6·9	5·3	16	1·00	−0·46	0·20	27th	3	2	0	4	6	0	—	0	9	1	2	0	0	1	0	14	19	21	Leith.
86	+21	32	+ 7	6·0	4·9	15	1·68	−0·61	0·48	29th	5	3	1	4	6	0	17	1	9	0	10	1	0	1	1	9	31	5	Marchmont.
92	**+19**	**34**	**+ 7**	**7·0**	**5·9**	**18**	**2·10**	**−0·10**	**1·32**																				
111	—	40	—	6·5	3·6	19	1·56	−0·52	0·65	29th	5	0	0	1	4	1	13	4	27	0	1	0	0	1	4	5	29	18	Cockle Park (Morpeth).
—	—	—	—	7·6	7·6	12	0·92	−0·56	0·28	27th	3	1	0	0	10	0	—	0	10	1	2	1	0	1	4	14	27	8	Shields.
—	—	—	—	7·0	5·2	12	1·14	−0·45	0·22	27th	3	2	0	2	11	0	—	0	25	0	4	0	0	1	3	12	25	13	Seaham.
83	+17	30	+ 6	7·2	5·5	13	1·09	−0·43	0·37	29th	3	0	0	2	12	0	20	1	18	8	1	0	0	2	5	8	17	15	Durham.
89	—	32	—	6·2	4·8	14	1·52	−0·16	0·71	29th	3	1	0	3	8	0	—	0	11	2	1	0	0	2	0	34	4	15	Whitby.
—	—	—	—	7·3	5·6	13	1·73	+0·14	0·49	27th	3	0	0	2	11	0	25	1	14	2	3	0	1	2	12	21	1	16	Rounton.
93	—	33	—	7·5	7·8	21	2·21	+0·42	0·85	29th	3	0	2	0	10	6	—	3	31	0	8	2	0	1	1	8	5	33	Scarborough.
70	+13	25	+ 4	6·4	5·8	17	1·69	+0·05	0·44	16th	4	0	0	3	9	3	—	1	7	0	7	0	0	0	9	7	27	8	York.
23	—	8	—	7·5	5·8	17	2·18	+0·44	0·41	28th	3	3	1	2	12	3	18	1	4	10	3	0	0	0	0	7	23	15	Hull.
—	—	—	—	5·8	5·1	17	1·50	+0·33	0·46	29th	4	0	0	3	5	3	—	2	33	0	4	0	0	1	2	8	24	19	Spurn Head.
75	—	27	—	6·1	5·9	18	1·11	—	0·19	16th	1	0	0	2	9	1	—	0	7	0	4	0	0	0	4	10	14	26	Skegness.
—	—	—	—	7·2	4·9	17	1·81	+0·25	0·33	15th	2	1	1	3	10	2	—	0	3	2	0	0	1	2	1	11	25	16	Lincoln.
85	**+10**	**30**	**+ 4**	**6·9**	**5·6**	**16**	**1·55**	**+0·08**	**0·85**																				
62	—	22	—	7·6	6·0	22	1·27	—	0·25	15th	2	2	1	1	9	1	—	0	44	0	8	0	0	0	3	9	16	22	Cromer.
58	−14	21	− 5	8·0	7·4	20	1·85	+0·10	0·24	17th	2	3	1	2	18	0	18	1	6	8	7	1	0	0	2	5	18	17	Hillington.
—	—	—	—	—	—	18	2·17	—	0·24	15th	—	—	—	—	—	—	16	—	—	—	—	—	—	—	—	--	—	—	Norwich.
68	—	24	—	7·6	7·1	20	1·93	+0·40	0·31	17th	2	2	1	0	11	4	—	5	18	0	3	0	0	2	1	14	27	11	Yarmouth.
74	—	26	—	5·9	5·4	17	1·70	+0·31	0·23	17th	3	1	2	5	8	3	11	3	15	1	9	2	0	1	1	2	17	25	Lowestoft.
58	−16	20	− 7	6·6	6·9	20	1·72	+0·34	0·23	29th	4	2	2	0	12	5	—	1	5	0	4	0	0	2	2	10	32	8	Geldeston.
68	− 6	24	− 3	7·4	3·7	16	1·06	−0·32	0·16	16th, 27th	2	1	1	5	8	2	23	1	10	11	0	0	0	2	0	24	12	9	Cambridge.
—	—	—	—	7·5	5·0	14	0·85	—	0·19	16th	2	0	0	2	11	0	—	1	22	3	3	1	0	0	2	21	18	10	Woburn.
—	—	—	—	7·9	6·1	20	1·12	−0·55	0·20	16th	3	2	1	1	10	5	16	1	3	8	1	1	0	1	1	5	19	22	Bennington.
69	—	24	—	6·4	5·7	16	1·26	—	0·18	26th	5	1	0	3	5	2	20	1	20	2	1	0	1	1	2	5	31	15	Clacton.
69	—	25	—	6·8	5·3	16	1·14	−0·90	0·28	16th	2	4	2	4	9	3	21	1	1	7	1	0	0	2	1	7	22	18	Berkhamsted.
83	**−14**	**23**	**− 5**	**7·2**	**5·9**	**18**	**1·56**	**+0·08**	**0·35**																				
63	—	23	—	7·7	6·4	14	1·30	—	0·30	29th	4	1	0	2	10	1	—	1	9	4	2	0	0	1	1	10	31	9	Garforth.
51	—	18	—	7·9	4·8	17	2·88	—	0·81	22nd	3	4	2	2	9	1	9	3	25	3	0	0	1	3	1	7	28	15	Huddersfield.
—	—	—	—	7·3	5·2	11	1·19	−0·63	0·33	16th	5	3	1	4	10	2	—	7	25	0	3	1	0	0	1	16	25	12	Wakefield.
65	—	23	—	7·3	5·5	17	1·49	−0·23	0·33	28th	4	3	2	1	9	6	16	1	19	10	1	0	0	0	4	18	11	14	Belvoir Castle.
62	—	22	—	7·6	—	15	0·91	−0·85	0·32	16th	2	1	0	4	18	0	14	0	6	14	0	0	0	0	0	18	14	12	Coventry.
55	—	20	—	7·2	5·8	15	1·49	−0·13	0·27	16th	2	2	1	2	10	3	—	2	8	2	3	0	1	1	1	10	25	15	Nottingham.
45	—	16	—	7·5	4·8	15	1·26	−0·50	0·27	15th	2	0	0	2	9	1	11	1	15	3	8	0	0	0	4	6	20	17	Birmingham.
68	+ 2	24	0	7·0 6·5	4·9	14	0·86 0·87	−0·84 −0·75	0·30	16th	2	2	0	1	7	3	13	1	17	1	3	0	0	1	2	18	19	14	Oxford.
74	—	26	—	6·3	4·7	15	1·35	−0·83	0·38	16th	—	—	—	6	11	—	—	—	13	0	3	2	2	0	0	4	34	13	Bath.
—	—	—	—	7·8	4·3	17	1·26	—	0·25	16th	2	0	0	2	9	1	10	2	20	1	3	0	0	2	3	11	11	27	Shrewsbury.
29	—	10	—	8·5	6·3	23	5·20	+1·20	0·75	27th	7	2	0	2	15	3	15	1	15	7	0	0	0	0	0	6	19	26	Buxton.
74	—	26	—	7·0	6·0	14	2·33	−0·07	0·51	22nd	4	1	1	2	10	0	9	0	6	4	1	0	0	0	3	9	23	18	Sheffield.
—	—	—	—	9·0	5·8	17	1·44	—	0·36	27th	3	4	1	1	13	1	17	4	14	11	13	2	1	0	2	4	5	20	Stokesay.
73	—	26	—	8·1	5·3	13	0·75	−1·33	0·21	16th	2	0	0	2	9	0	13	1	5	9	1	0	0	3	1	22	18	4	Cheltenham.
67	**− 1**	**24**	**0**	**7·6**	**5·4**		**1·33**	**−0·50**	**0·81**																				

TABLE III. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B	Diff. from Av.	Absolute Minimum	Day.	Absolute Maximum	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth.	Earth Temperature. At 4 feet depth.
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
5. ENGLAND, S.E.	Reading	264	29·807	—	34·9	47·5	41·2	—	26	2nd, 13th	54	17th	39·7	40·0	1·0	1·1	·224	·224	92	91	—	—
	Salisbury	186	29·927	—	34·6	47·8	41·2	+1·9	26	2nd	53	19th	40·6	40·5	1·2	1·5	·227	·220	90	82	40·5	—
	Dover	231	29·810	+·107	35·7	46·1	40 9	—	29	3rd	51	18th	38·6	41·5	1·4	1·6	·207	·229	89	88	40·2	43·3
	Brighton	48	30·074	—	37·1	46·4	41·8	+1·2	29	2nd	55	18th	40·8	—	1·4	—	·225	—	89	—	—	41·2
§	Eastbourne	36	30·066	—	38·0	47·0	42·5	+1·5	30	3rd	51	19th, 23rd	41·8	42·0	1·8	1·8	·230	·231	86	86	41·0	43·4
	Portsmouth	18	30·126	—	37·6	48·2	42·9	+2·3	30	2nd	54	17th	42·1	—	1·8	—	·230	—	86	—	41·4	44·1
¶	Dungeness	21	30·037	+·110	34·7	45·7	40·2	+0·2	27	3rd	51	18th, 19th	39·1	42·2	1·3	1·6	·213	·235	89	88	—	—
¶	Hastings	174	29·911	—	36·7	46·2	41·5	+1·4	29	29th	52	19th	40·1	41·0	1·3	1·4	·221	·227	89	89	40·1	42·8
¶ §	Southampton	84	30·058	—	37·4	49·4	43·4	+2·2	30	2nd	55	18th	41·8	42·1	1·8	2·3	·229	·222	86	82	—	—
¶ §	*Ventnor*	80	30·048	—	38·7	48·7	43·7	+1·5	30	2nd	54	19th	42·7	—	1·9	—	·234	—	86	—	—	—
	District Value				**35·9**	**47·1**	**41·5**	**+1·6**	**20**		**56**										**40·0**	**42·6**
LONDON	Tottenham	55	30·023	—	37·6	47·2	42·4	+2·6	29	13th	54	17th	41·6	41·8	1·7	1·9	·231	·227	86	85	—	42·7
	Camden Square	123	29·961	—	35·8	47·9	41·9	+1·9	28	13th	55	17th	41·0	42·0	1·4	1·6	·227	·233	89	88	39 0	40·4
	Westminster	54	30·015	+·109	36·5	47·9	42·2	+1·8	30	3rd, 29th	54	17th	39·8	44·5	1·7	3·3	·211	·223	87	75	—	—
	Greenwich	159	29·919	—	35·7	47·5	41·6	+1·8	28	3rd	55	17th	40·4	41·1	1·8	2·3	·214	·211	86	82	—	42·1
			29·910	+·108			41·8	+2·3														
	Norwood	235	29·863	—	36·0	47·9	42·0	+2·1	29	29th	55	17th	39·8	40·7	1·7	1·9	·211	·215	86	85	38·8	—
¶ §	Kew	34	30·070	+·106	37·1	47·8	42·5	+2·5	31	2nd	54	17th	40·6	41·6	2·1	2·5	·211	·212	84	81	39·5	42·6
			30·061	+·105			42·3	+2·4														
	Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.	Laudale	25	29·888	—	37·5	46·3	41·9	+2·0	28	28th	52	12th	42·8	42·4	1·7	1·9	·242	·233	87	85	—	—
	Poltalloch	132	29·794	—	35·9	45·0	40·5	+1·3	27	29th	49	6th	42·2	39·0	1·9	1·7	·229	·205	86	86	—	—
¶ §	Glasgow	184	29·729	—	37·3	45·7	41·5	+2·5	29	28th	50	8th	41·1	40·9	1·7	2·3	·226	·214	86	82	—	—
¶	Rothesay	115	29·871	—	38·8	46·9	42·9	+3·1	31	27th, 28th	50	8th, 20th, 26th	42·7	41·7	2·1	2·4	·230	·215	84	82	—	42·3
¶	Colmonell	140	—	—	38·6	45·5	42 1	+2·6	31	20th	50	22nd	41·9	—	1·0	—	·246	—	93	—	—	—
¶	Dumfries	70	29·912	—	36·6	47·7	42·2	+3·0	29	29th	53	6th, 26th	41·3	41·9	1·8	2·6	·223	·214	86	81	—	—
¶	Cally	120	—	—	35·5	47·8	41·7	+2·8	27	29th	52	18th	42·0	40·6	1·3	1·2	·239	·227	90	90	—	—
ISLE OF MAN ¶ §	Douglas	140	29·875	—	39·2	46·8	43·0	+2·3	31	29th	50	8th, 19th, 20th	43·4	42·4	1·4	1·5	·253	·241	89	88	—	—
	District Value				**37·3**	**46·3**	**41·8**	**+2·8**	**22**		**53**											
	Southport	42	30·005	—	38·0	45·1	41·6	+2·0	30	29th	51	22nd	41·7	41·1	1·3	1·6	·237	·224	90	87	39·6	40·5
	Manchester (City)	195	29·834	—	38·6	45·6	42·1	—	31	29th	50	22nd	42·0	41·5	1·5	1·9	·236	·226	87	85	39·3	41·7
	„ (Whitworth P'k)	127	29·893	—	37·8	45·9	41·9	—	30	2nd	51	21st	41·4	41·2	1·5	1·9	·230	·219	89	85	—	—
¶ §	Aspatria	254	29·712	—	35·7	44·8	40·3	+2·1	25	29th	49	21st	40·5	39·4	1·2	1·2	·230	·219	90	89	—	—
¶ §	Newton Rigg	559	29·352	—	34·0	44·9	39·5	+2·4	25	29th	50	6th	38·2	38·5	1·3	1·7	·204	·199	89	86	38·8	39·8
¶ §	Stonyhurst	363	29·627	—	35·8	44·2	40·0	+1·3	26	29th	49	22nd	40·3	39·6	1·3	1·7	·226	·212	89	86	—	—
¶ §	Blackpool M	73	29·962	—	37·8	44·7	41·3	+2·0	30	29th	50	22nd	41·9	40·7	0·9	1·1	·246	·231	93	91	—	42·6
¶	M'nch't'r (Prestwich)	320	29·679	—	35·8	45·2	40·5	+1·8	28	29th	51	22nd	40·9	40·6	0·9	1·2	·236	·227	93	90	—	—
¶	Liverpool	197	29·824	—	38·3	45·1	41·7	+1·7	30	29th	51	21st	41·8	41·6	1·6	1·8	·231	·226	88	86	—	—
7. ENGLAND, N.W.	Llandudno M	21	30·064	—	40·2	47·0	43·6	+1·8	33	29th	52	22nd	43·6	43·4	1·7	2·1	·247	·236	87	83	—	—
NORTH WALES	Holyhead	48	30·014	+·135	40·5	46·7	43·6	+1·8	33	28th	49	7th, 14th, 22nd	43·8	44·3	1·0	1·7	·264	·254	92	87	—	—
¶ §	Bettws-y-Coed	100	29·946	—	37·8	48·0	42·9	+1·5	29	5th	52	17th	42·6	41·9	1·6	2·0	·238	·226	87	86	40·7	42·8
	District Value				**37·5**	**45·8**	**41·7**	**+2·2**	**23**		**54**										**39·6**	**41·5**
SOUTH WALES ¶ §	*Llangammarch Wells*	585	29·463	—	35·7	46·1	40·9	+1·4	23	2nd	50	22nd	41·1	—	1·2	—	·232	—	90	—	40·7	43·3
¶ §	Pembroke	150	29·974	+·193	41·5	48·1	44·8	+2·4	34	29th	51	18th, 19th	44·3	44·6	1·0	1·8	·268	·254	92	86	—	—
8 ¶	Portland Bill	23	30·115	+·169	40·3	46·7	43·5	+1·1	33	29th	51	6th, 18th	43·4	44·6	0·9	0·9	·262	·274	93	94	—	—
¶ §	Plymouth	116	30·079	—	40·5	49 0	44·8	+2·1	33	5th	53	18th	44·7	44·9	2·1	2·7	·253	·243	85	81	43·0	—
ENGLAND, S.W. ¶ §	Falmouth	183	30·034	+·250	42·3	48·9	45·6	+1·9	35	29th	53	19th	45·4	45·5	2·0	2·7	·258	·245	86	81	—	—
			30·030	+·253			45·8	+2·1														
	Woolacombe	79	30·098	—	41·7	47·3	44·5	+0·6	33	29th	50	17th	44·5	44·3	1·4	1·8	·261	·251	89	86	—	—
	Rousdon	516	29·599	—	37·1	47·3	42·2	—	28	2nd	54	6th	41·1	41·3	1·3	1·7	·230	·225	89	87	41·6	43·3
	Whitchurch	595	29·533	—	38·1	46·6	42·4	—	30	5th	51	18th	42·0	41·2	1·1	1·2	·243	·233	91	90	41·4	—
	District Value				**38·5**	**47·3**	**42·9**	**+1·8**	**23**		**55**										**41·2**	**43·0**
9 IRELAND, N. Western Part.	Malin Head	230	29·699	+·106	39·7	45·7	42·7	+1·0	30	29th	49	6th	43·5	43·1	0·7	0·9	·267	·258	94	93	—	—
¶	Blacksod Point	41	30·070	+·235	41·2	48·0	44·6	+1·7	33	28th	52	19th	44·8	45·1	1·9	2·2	·254	·250	86	83	—	—
¶ §	Markree Castle	127	29·963	—	39·4	48·0	43·7	+3·2	31	28th	51	20th	43·8	42·6	1·6	1·2	·254	·250	88	91	—	—
Eastern Part. ¶	Donaghadee	40	29·986	+·135	39·2	47·2	43·2	+2·2	30	28th, 29th	52	19th, 20th	42·1	43·7	1·0	1·8	·246	·246	92	86	—	—
¶ §	Armagh	202	29·838	—	38·0	47·7	42·9	+2·9	30	28th	52	19th	43·3	40·8	1·4	1·8	·253	·222	90	86	41·9	43·3
	Belfast	55	29·992	—	37·9	47·8	42·9	—	30	29th	52	19th	43·4	41·7	1·8	1·1	·244	·242	86	91	—	—
	District Value				**39·5**	**47·3**	**43·4**	**+2·9**	**30**		**52**											
10. IRELAND, S. Eastern Part. §	Dublin (Phœnix P'k)	159	29·930	—	39·1	48·3	43·7	+3·1	31	29th	53	19th	43·5	42·7	1·3	1·5	·255	·245	90	88	—	—
	„ (Trinity Coll'ge)	17	30·087	—	41·0	49·3	45·2	—	33	29th	54	22nd	44·7	44·1	2·0	2·3	·253	·241	85	82	43·1	44·3
¶	„ (City)	53	30·051	—	40·7	48·8	44·8	+2·4	33	29th	53	22nd	44·0	43·8	1·7	2·1	·251	·241	87	84	—	—
¶	Waterford	100	—	—	39·7	50·1	44·9	+2·9	32	29th	54	15th, 22nd	—	—	—	—	—	—	—	—	—	—
Western Part. ¶ §	Birr Castle	173	29·944	—	38·5	49·1	43·8	+3·0	30	29th	56	22nd	43·7	43·2	1·5	1·3	·256	·255	89	90	—	—
¶	Killarney	174	—	—	41·6	50·4	46·0	+2·7	34	29th	55	10th, 22nd	—	—	—	—	—	—	—	—	—	—
¶ §	Valencia	62	30·203	+·321	43·5	49·1	46·3	+1·5	35	28th	53	22nd	45·7	46·0	1·4	1·9	·275	·267	90	87	—	—
			30·198	+·321			46·5	+1·8														
¶	Roche's Point	42	30·158	+·264	42·3	49·6	46·0	+2·2	35	29th	54	20th, 22nd	45·0	46·5	0·8	2·2	·280	·266	94	84	—	—
	District Value				**40·7**	**49·2**	**45·0**	**+2·9**	**29**		**56**											
11. ENGLISH CHANNEL ¶ §	Scilly	20	30·215	+·280	45·0	50·6	47·8	+2·2	40	29th	53	13th, 16th, 21st	46·7	47·9	2·2	2·6	·268	·271	85	82	—	—
¶ §	Jersey	36	30·176	+·219	39·8	48·6	44·2	+1·1	30	11th, 12th	52	14th, 17th	43·7	44·6	2·3	2·3	·235	·243	82	82	—	—
	Guernsey (Brooklyn)	311	29·878	—	41·3	48·2	44·8	+1·2	33	29th	52	18th	43·8	44·0	2·1	2·3	·241	·238	84	82	43·7	45·6
	District Value				**42·2**	**49·3**	**45·8**	**+1·8**	**30**		**53**											

For notes see p. xix.

AT TELEGRAPHIC REPORTING STATIONS, and at 8 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of FEBRUARY, 1908.

Bright Sunshine.				Cloud (0–10).		Rain and other forms of Precipitation.				Weather. No. of Days of								Wind Force (0–12).		Wind Direction. No. of Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								Stations.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																			
—	—	—	—	5·8	4·3	14	0·75	−1·05	0·31	17th	2	0	0	5	*4*	0	—	0	*3*	9	2	0	1	0	2	9	19	16	Reading.
—	—	—	—	7·3	5·5	20	1·67	−0·90	0·54	16th	4	0	0	1	7	1	16	2	18	1	12	4	0	0	1	8	10	22	Salisbury.
84	—	29	—	7·1	5·7	18	1·23	—	0·22	16th	2	0	1	3	10	3	11	3	16	0	5	1	1	2	2	17	12	18	Dover.
92	+16	32	+ 5	6·9	—	12	1·11	−0·88	0·49	16th	2	0	0	4	17	6	*8*	4	14	8	4	0	2	0	0	12	14	18	Brighton.
89	+14	31	+ 4	5·6	3·1	16	1·50	−0·74	0·51	16th	2	0	0	9	5	1	—	0	8	10	3	2	0	1	0	7	19	16	Eastbourne.
95	—	33	—	7·2	—	15	0·99	−1·03	0·48	16th	2	0	0	3	13	2	10	0	24	0	6	0	0	4	0	10	16	22	Portsmouth.
—	—	—	—	7·9	7·4	23	1·40	+0·08	0·24	16th, 17th	*1*	0	0	0	13	5	—	1	24	0	4	1	2	0	1	21	17	12	Dungeness.
89	+ 7	31	+ 2	6·4	4·4	15	1·12	−0·93	0·30	16th	2	0	0	4	7	6	—	1	17	1	7	0	1	1	1	8	24	15	Hastings.
76	+ 1	27	0	7·5	4·4	20	1·57	−0·71	0·55	16th	4	2	0	3	7	11	11	2	17	2	0	3	0	2	0	9	*3*	39	Southampton.
80	0	28	0	7·7	—	17	1·21	−0·99	0·54	16th	2	1	1	2	12	0	—	0	12	2	11	0	4	1	2	*5*	22	*11*	Ventnor.
79	**+ 4**	**28**	**+ 2**	**6·9**	**5·0**	**17**	**1·22**	**−0·76**	**0·66**																				
67	—	24	—	7·1	6·0	12	1·50	—	0·35	16th	2	0	1	1	10	1	12	0	6	7	3	0	0	0	0	18	9	21	Tottenham.
53	—	19	—	6·8	—	15	1·68	+0·05	0·31	16th	1	2	0	5	14	0	17	—	—	2	4	2	0	0	0	10	20	20	Camden Square.
47	+13	16	+ 4	6·6	6·9	16	1·37	−0·22	0·27	17th	3	2	0	2	11	1	18	1	14	10	3	0	1	1	0	8	22	13	Westminster.
63	+ 6	22	+ 2	7·2	5·4	13	1·46	−0·02	0·41	17th	3	1	0	2	10	7	13	0	14	1	9	1	1	1	1	13	21	10	Greenwich.
—	—	—	—	6·2	5·2	17	1·30	−0·35	0·22	16th	2	0	0	4	8	7	15	1	6	5	3	1	1	0	3	10	17	18	Norwood.
78	+22	27	+ 7	6·7	4·8	14	1·20	−0·35	0·37	16th	1	1	1	3	8	2	21	0	8	0	4	1	1	1	1	22	17	11	Kew.
30	− 1	11	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	8·0	8·4	29	7·48	+0·78	0·67	21st	6	3	0	0	16	5	—	4	39	0	11	0	0	2	1	*1*	25	18	Laudale.
—	—	—	—	8·7	8·2	27	5·48	+1·82	0·54	28th	3	7	1	0	18	4	—	7	22	3	11	1	0	0	6	3	19	15	Poltalloch.
57	+14	21	+ 5	8·1	7·1	18	2·31	−0·48	0·43	21st	4	*2*	1	0	13	0	11	0	12	4	*2*	1	0	0	1	12	30	*8*	Glasgow.
—	—	—	—	6·9	6·0	28	4·59	+0·95	0·52	16th	4	3	1	1	11	4	—	9	21	1	7	0	1	1	2	*1*	33	12	Rothesay.
—	—	—	—	8·0	—	24	4·08	+0·45	1·04	27th	4	5	1	—	—	1	*2*	1	*11*	0	*2*	0	0	6	0	12	16	22	Colmonell.
—	—	—	—	6·0	5·9	20	2·90	−0·36	0·58	27th	*2*	*2*	0	3	*5*	2	9	1	20	1	*2*	0	0	3	1	11	21	19	Dumfries.
—	—	—	—	—	—	22	3·33	−0·79	0·52	22nd	4	4	1	—	—	0	—	1	15	0	3	8	1	1	0	11	*10*	24	Cally.
84	+15	30	+ 4	8·0	6·4	22	2·41	−0·78	0·71	16th	3	6	0	0	11	1	5	5	25	2	5	1	1	2	1	8	21	17	Douglas.
71	**+ 9**	**26**	**+ 4**	**7·7**	**7·0**	**24**	**3·95**	**+0·14**	**1·04**																				
69	+ 4	25	+ 1	8·4	6·6	22	2·15	+0·09	0·46	16th	1	6	0	1	15	1	6	6	35	0	1	0	1	4	4	7	31	10	Southport.
33	—	12	—	—	—	22	2·96	+0·76	0·58	16th	3	2	1	—	—	0	4	1	*6*	2	2	1	2	2	6	16	19	8	Manchester (City).
27	—	10	—	8·3	6·4	22	2·59	—	0·42	16th	2	2	0	0	11	0	19	0	17	5	3	0	1	2	6	8	20	13	„ (Whitworth P'k).
66	—	24	—	7·5	5·2	18	3·48	+1·23	0·76	27th	4	4	0	2	9	3	9	3	15	8	3	1	0	0	1	17	17	11	Aspatria.
64	+ 4	23	+ 1	7·0	5·1	16	3·27	+0·36	0·74	27th	4		0	2	6	1	17	2	19	6	0	0	3	3	5	10	27	4	Newton Rigg.
47	−11	17	− 5	9·3	5·9	22	4·13	+0·95	0·68	14th	4	4	1	1	14	3	10	0	17	7	2	0	1	0	0	6	30	12	Stonyhurst.
73	+10	26	+ 3	8·7	6·6	20	1·93	−0·28	0·54	16th	2	5	0	1	13	0	4	2	26	0	3	0	0	4	2	10	23	16	Blackpool.
51	+11	18	+ 3	8·7	6·1	22	3·37	+1·12	0·75	16th	3	*1*	0	2	16	0	11	5	15	4	2	0	5	0	3	0	42	*2*	Manchester (Prestwich).
63	—	23	—	8·0	7·1	20	1·86	+0·13	0·48	16th	3	6	2	2	16	1	—	3	33	0	0	0	1	3	3	17	27	7	Liverpool.
60	−10	21	− 5	8·6	8·7	24	3·42	+1·35	0·53	14th	0	5	0	0	20	1	—	0	9	0	5	0	0	0	0	2	48	3	Llandudno.
44	—	16	—	8·0	7·0	20	1·92	−0·50	0·41	16th	3	4	1	0	13	7	—	10	25	1	3	2	1	1	1	8	24	17	Holyhead.
59	—	21	—	6·8	5·5	21	3·86	—	0·88	14th	2	6	1	1	*4*	0	*3*	3	10	0	5	1	0	0	0	8	7	37	Bettws-y-Coed.
61	**− 6**	**22**	**− 2**	**8·1**	**6·4**	**20**	**2·86**	**+0·46**	**0·90**																				
53	—	19	—	9·4	—	23	3·09	—	0·52	16th	2	3	1	*1*	26	0	15	0	22	18	*2*	2	0	0	0	4	10	22	Llangammarch Wells.
64	−11	23	− 4	8·0	6·4	19	1·64	−1·00	0·53	16th	0	3	0	*1*	10	3	—	4	38	0	5	1	2	2	0	7	23	18	Pembroke.
—	—	—	—	7·4	6·1	13	1·26	—	0·49	16th	1	0	0	*1*	10	3	—	1	31	0	6	1	3	1	1	8	21	*17*	Portland Bill.
67	−10	23	− 5	8·2	6·1	17	2·48	−0·31	0·91	16th	1	1	0	3	15	5	4	0	24	0	14	2	4	0	1	4	15	18	Plymouth.
74	− 9	26	− 4	8·0	5·5	20	3·29	−0·44	1·07	16th	0	3	0	*1*	13	1	—	0	22	0	15	1	1	3	1	5	13	19	Falmouth.
53	−26	19	−10	8·1	5·9	19	2·07	−0·36	0·73	16th	1	5	0	2	14	5	—	1	31	7	0	3	2	4	0	10	13	19	Woolacombe.
—	—	27	—	7·4	4·9	17	2·13	—	0·72	16th	2	1	0	4	*8*	9	8	4	*6*	0	14	0	1	3	0	4	17	19	Rousdon.
—	—	—	—	8·4	6·4	22	3·34	—	1·19	16th	5	6	2	3	16	18	11	7	17	4	12	0	1	4	2	*3*	*9*	23	Whitchurch.
59	**−17**	**21**	**− 6**	**8·1**	**6·9**	**18**	**2·38**	**−0·65**	**1·60**																				
—	—	—	—	8·7	8·6	25	2·92	+0·80	0·40	22nd	1	11	0	0	21	9	—	12	32	0	4	0	0	1	4	13	20	16	Malin Head.
—	—	—	—	8·5	8·1	28	4·36	+0·80	0·57	16th	0	4	0	0	*16*	0	—	2	39	0	5	0	0	1	3	11	20	18	Blacksod Point.
52	−10	19	− 4	8·6	8·5	26	4·81	+1·84	0·48	29th	5	11	2	0	18	0	5	3	17	11	5	1	0	3	4	10	*4*	20	Markree Castle.
—	—	—	—	7·3	8·0	19	1·92	−0·33	0·36	16th	2	3	1	0	17	1	—	3	20	1	6	0	0	1	5	16	19	10	Donaghadee.
55	− 6	20	− 3	8·9	8·7	22	2·04	−0·10	0·50	16th	2	0	0	0	24	0	*3*	0	4	9	2	0	0	0	4	16	19	*8*	Armagh.
—	—	—	—	—	—	25	2·74	+0·43	0·43	16th	2	0	1	—	—	0	—	*1*	15	11	9	1	0	0	*1*	*1*	10	25	Belfast.
54	**−13**	**19**	**− 5**	**8·5**	**8·4**	**24**	**3·21**	**+0·41**	**0·57**																				
63	− 3	24	− 2	8·4	7·6	23	1·82	−0·07	0·58	14th	3	4	0	0	16	0	4	0	11	6	0	0	0	2	1	16	29	*3*	Dublin (Phœnix Park).
47	—	17	—	8·2	7·2	15	1·27	—	0·38	14th	2	*1*	0	1	16	0	4	1	*10*	2	2	0	0	4	0	0	36	14	„ (Trinity College)
—	—	—	—	7·4	6·4	20	1·37	−0·64	0·38	14th	4	5	0	1	*10*	0	*1*	3	16	0	0	0	0	2	3	7	26	20	„ (City).
—	—	—	—	—	—	14	1·46	−1·92	0·53	16th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
59	− 6	21	− 3	7·8	8·3	24	2·34	+0·20	0·59	14th	2	2	0	0	18	1	—	0	15	4	1	0	0	2	4	13	24	10	Birr Castle.
—	—	—	—	—	—	25	3·08	−1·91	0·51	27th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
47	−25	17	− 9	8·4	8·2	27	3·06	−1·89	0·75	14th	*1*	4	1	0	15	2	—	2	30	0	13	1	1	2	5	9	14	13	Valencia.
—	—	—	—	8·6	7·1	21	1·14	−2·94	0·44	16th	*1*	*1*	0	0	17	2	—	10	30	1	16	0	1	*1*	2	5	*10*	22	Roche's Point.
61	**−14**	**22**	**− 5**	**8·1**	**7·5**	**22**	**2·21**	**−1·02**	**0·75**																				
61	−25	21	−10	9·3	8·1	15	1·42	−1·24	0·62	16th	0	0	0	0	24	1	—	*2*	42	0	12	2	2	*1*	2	*4*	*10*	19	Scilly.
68	−24	23	−10	8·0	7·3	22	2·25	−0·23	0·49	16th	0	2	0	2	17	1	—	3	*26*	0	*4*	4	2	2	0	5	20	21	Jersey.
76	−10	26	− 4	7·3	5·6				0·78	16th	2	2	1	4	*10*	1	4	10	30	5	9	*1*	0	2	1	*4*	20	*10*	Guernsey (Brooklyn).
68	**−24**	**24**	**8**	**8·2**	**7·0**	**18**	**1·88**	**−0·73**	**0·78**																				

The sunshine entered to Portsmouth is registered at Southsea.

TABLE IV.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, FEBRUARY, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av
				Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.	–	Balta Sound	S	81	34·0	42·5	38·3	—	24	28th	48	5th, 11th	—	—	—	29	4·04	—	0·62	22nd	21	—	8	—
1. SCOTLAND, E.	§	Crathes	S	140	32·6	47·4	40·0	—	26	5th	56	7th	36·6	37·9	25	16	0·93	—	0·14	22nd	101	—	37	—
	§	Balruddery	S	276	3	46·9	40·0	—	26	28th	54	10th	—	—	--	15	0·84	—	0·19	16th	112	—	38	—
	§	Edinburgh	–	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84	+ 28	31	+10
	¶	West Linton	S	800	32·9	42·6	37·8	+ 1·5	24	29th	48	8th	—	—	—	22	2·56	—	0·31	22nd	65	—	24	—
2. ENGLAND, N.E.	¶	Alnwick Castle	–	210	35·7	47·1	41·4	+ 3·0	29	5th, 17th	53	8th	—	—	—	16	1·13	-1·02	0·23	22nd	—	—	—	—
		Newcastle-on-Tyne	–	152	36·6	47·0	41·8	—	29	29th	53	21st	—	—	—	15	1·18	-0·41	0·37	27th	52	+ 4	19	+ 1
		Saltburn-by-the-Sea	–	116	36·5	47·3	41·9	—	29	1st	54	6th	39·7	—	—	15	1·10	—	0·19	16th	—	—	—	—
		Ampleforth	–	349	33·6	46·0	39·8	—	27	29th	56	6th	—	—	22	16	1·99	—	0·50	29th	—	—	—	—
		Tealby	–	251	33·8	45·3	39·6	+ 1·2	24	29th	51	18th	—	—	—	15	1·52	-0·30	0·35	16th	—	—	—	—
	¶	Fulbeck	–	180	34·5	46·0	40·3	+ 1·9	26	29th	51	6th	—	—	—	17	1·85	+0·25	0·35	22nd	61	—	22	—
	§	Rauceby	–	124	34·5	46·7	40·6	—	26	29th	53	6th	—	—	25	16	2·21	+0·26	0·38	25th, 27th	75	—	27	—
3. ENGLAND, E.		Felixstowe	–	10	35·7	45·8	40·8	+ 1·5	28	3rd	52	6th	—	43·2	—	18	1·61	—	0·22	17th	72	—	25	—
	¶ §	Rothamsted	–	424	34·7	46·9	40·8	+ 2·4	23	13th	54	17th	—	—	—	20	1·26	-0·63	0·26	16th	69	+ 1	24	0
		Shoeburyness	–	13	36·1	47·0	41·6	+ 1·8	29	13th	52	6, 10, 17	—	—	—	16	1·16	-0·03	0·25	16th	—	—	—	—
		Southend-on-Sea	–	100	34·9	47·1	41·0	—	27	2nd	53	11th	39·5	—	21	16	1·28	-0·12	0·24	16th	83	—	29	—
4. MIDLAND COUNTIES	¶ §	Harrogate	–	476	34·8	44·9	39·9	+ 2·2	25	29th	50	18th, 19th	38·4	39·4	12	14	1·86	-0·21	0·40	22nd	90	—	32	—
		Bradford	–	330	35·5	44·9	40·2	—	27	29th	49	21st, 22nd	37·8	40·2	12	22	2·70	—	0·52	22nd	72	—	26	—
	¶	Cheadle	M	646	35·2	44·1	39·7	+ 2·0	27	29th	50	17th	—	—	15	21	2·03	-0·21	0·44	16th	—	—	—	—
	¶	Bawtry	–	65	34·8	46·8	40·8	+ 1·8	22	13th	52	21st	—	—	—	12	1·55	0·00	0·34	16th	—	—	—	—
	§	Worksop	M	56	34·4	48·3	41·4	+ 3·2	20	13th	54	19th	38·0	40·2	—	15	1·41	-0·50	0·31	27th	57	0	20	0
		Rugby	–	379	34·6	47·0	40·8	+ 2·3	25	5th	54	14th	—	—	17	18	1·19	—	0·25	27th	—	—	—	—
	¶	Raunds	M	210	34·2	47·6	40·9	+ 1·4	25	5th, 13th	54	6th	—	—	—	14	1·05	—	0·22	16th	—	—	—	—
		Winslow	–	379	34·2	45·8	40·0	—	26	2nd	52	17th	—	—	16	19	0·99	—	0·20	16th	—	—	—	—
	¶	Hereford	M	291	36·2	48·7	42·5	+ 2·8	27	13th	54	21st	—	—	10	16	1·02	-1·00	0·31	16th	—	—	—	—
	¶ §	Cirencester	–	446	34·2	47·0	40·6	+ 2·2	26	13th	53	19th, 20th	—	—	12	12	0·88	-1·39	0·38	16th	76	+ 4	27	+ 1
		Epsom	–	160	33·6	48·1	40·9	—	23	2nd	55	17th	—	—	21	19	1·24	—	0·25	16th	—	—	—	—
		Wokingham	–	216	33·0	47·5	40·3	—	20	13th	55	17th	—	—	—	12	1·33	—	0·34	16th	—	—	—	—
		Maidenhead	–	99	34·8	49·1	42·0	—	22	13th	56	17th	—	—	26	15	1·16	-0·74	0·25	16th	—	—	—	—
	¶ §	Marlborough	–	424	32·8	47·0	39·9	+ 1·0	23	2nd	54	19th	—	—	20	18	1·12	-1·24	0·33	27th	49	- 10	17	- 4
	¶	Swarraton	M	310	34·5	46·7	40·6	+ 1·8	27	2nd	53	19th	—	—	—	15	1·16	-1·25	0·45	16th	—	—	—	—
	¶ §	Margate	–	35	37·2	46·1	41·7	+ 1·7	31	3rd, 29th	52	14th, 21st	39·6	41·1	3	17	1·31	-0·07	0·27	16th	74	+ 3	26	0
		Broadstairs	–	140	—	—	—	—	—	—	—	—	—	—	—	17	1·52	—	0·23	25th	89	—	31	—
		Ramsgate	–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87	—	31	—
5. ENGLAND, S.E.	¶ §	Wisley	–	150	35·2	47·7	41·5	+ 2·3	22	13th	54	17th	39·6	42·2	16	15	0·85	—	0·21	16th	80	—	28	—
	¶ §	Tunbridge Wells	M	421	34·6	45·9	40·3	+ 1·4	27	13th	51	14th	—	38·5	--	16	1·23	-0·91	0·27	16th	91	+ 23	32	+ 8
		Folkestone	–	121	35·2	45·5	40·4	—	28	3rd	51	18th	—	43·2	—	18	1·08	-0·85	0·22	16th	75	—	26	—
	§	Littlestone-on-Sea	–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	74	—	26	—
		Bexhill	–	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Worthing	–	33	36·1	47·3	41·7	+ 1·7	30	2nd, 11th	54	18th, 19th	40·1	43·2	12	14	1·04	-0·95	0·52	16th	94	—	33	—
		Bognor	–	20	37·4	47·2	42·3	—	31	2nd	54	19th	—	44·6	7	16	1·12	—	0·46	16th	93	—	33	—
		Westbourne	–	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83	—	29	—
		Totland Bay	–	150	37·9	46·9	42·4	+ 2·0	30	12th	52	19th	—	—	—	11	1·02	-1·05	0·59	16th	79	—	28	—
		Bournemouth	–	145	37·8	48·6	43·2	—	28	2nd	54	17, 18, 19	40·8	42·1	—	17	1·25	—	0·58	16th	73	—	26	—
		Weymouth	–	21	39·0	48·4	43·7	—	30	2nd	55	6th	—	—	—	18	1·55	—	0·66	16th	70	—	24	—
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	35·4	44·2	39·8	—	25	29th	49	8th	—	—	9	20	2·58	—	0·47	21st	75	—	27	—
	¶	Kilmarnock	–	90	36·1	45·4	40·8	+ 1·5	22	29th	49	6th	—	—	—	23	2·94	—	0·57	21st	70	—	26	—
7. ENGLAND, N.W.		Carnforth	–	174	36·2	45·3	40·8	—	26	29th	49	24th	—	—	11	22	1·99	—	0·31	14th	55	—	20	—
		Darwen	–	710	34·0	42·8	38·4	—	25	29th	50	20th	39·1	40·3	8	21	4·60	—	0·90	17th	37	—	13	—
		Burnley	–	459	36·3	44·1	40·2	—	27	29th	51	22nd	38·2	40·0	13	20	3·05	—	0·57	14th	40	—	14	—
	§	Hoylake	–	30	39·7	46·1	42·9	—	32	29th	52	21st	—	—	2	20	2·12	—	0·54	16th	71	—	25	—
		Rhyl	–	30	38·9	—	—	—	32	5th, 29th	—	—	—	—	—	21	2·10	+0·60	0·36	14th	77	—	28	—
	¶	Hawarden Bridge	–	22	38·6	47·6	42·1	+ 1·3	30	2nd	54	17th	—	—	—	17	1·38	-0·05	0·32	27th	—	—	—	—
		Towyn	–	10	39·6	46·7	43·2	—	23	4th	51	22nd	—	—	6	25	3·23		0·59	16th	46		16	
	§	Aberdovey	–	22	40·3	46·6	43·5	—	34	2, 5, 29	50	12th, 25th	—	—	—	26	3·60	—	0·56	28th	44	—	16	—
8. ENGLAND, S.W.	§	Aberystwyth	–	59	40·1	45·9	43·0	—	32	29th	52	12th	—	—	—	—	—	—	—	—	38	—	13	—
		Haverfordwest	–	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	55	—	19	—
		Tenby	–	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	63	- 16	22	- 7
		Port Talbot	–	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	50	—	18	—
		Forest of Dean	–	200	—	—	—	—	—	—	—	—	—	—	—	8	1·00	—	0·55	16th	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	10	1·00	—	0·30	16th	—	—	—	—
	¶	Cardiff	–	50	36·9	46·8	41·9	+ 1·2	30	13th, 29th	52	19th	40·3	42·3	7	20	2·33	-0·81	0·87	16th	77	—	27	—
		Swansea	–	24	39·7	48·2	44·0	—	32	5th	54	18th	—	—	4	22	3·54	—	1·26	16th	—	—	—	—
	¶	Clifton	–	229	37·9	47·6	42·8	+ 2·3	29	2nd, 5th	54	19th	—	—	8	16	2·01	-0·46	0·67	16th	69	—	24	—
	¶	Shaftesbury	M	722	35·5	45·1	40·3	+ 1·9	28	29th	50	19th	40·0	—	—	16	1·37	-1·09	0·53	16th	—	—	—	—
	¶	Arlington	–	613	37·6	45·7	41·7	+ 1·1	29	5th	50	18th	—	—	—	21	3·98	+0·02	1·60	16th	—	—	—	—
	¶ §	Cullompton	M	202	37·1	48·6	42·9	+ 1·3	26	12th	54	6th	—	—	10	18	2·43	-0·39	0·78	16th	51	- 18	18	- 7
		Torquay	–	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72	- 3	25	- 2
	§	Newquay	–	100	43·1	48·4	45·8	+ 2·0	35	12th	54	13th	45·7	—	—	16	1·49	-1·30	0·48	16th	65	- 14	23	- 5
		Salcombe	–	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	69	—	24	—
		Penzance	–	54	44·0	50·3	47·2	—	37	29th	55	19th	—	—	—	21	2·88	—	0·84	16th	75	—	26	—

MONTHLY WEATHER CHARTS, FEBRUARY, 1908.

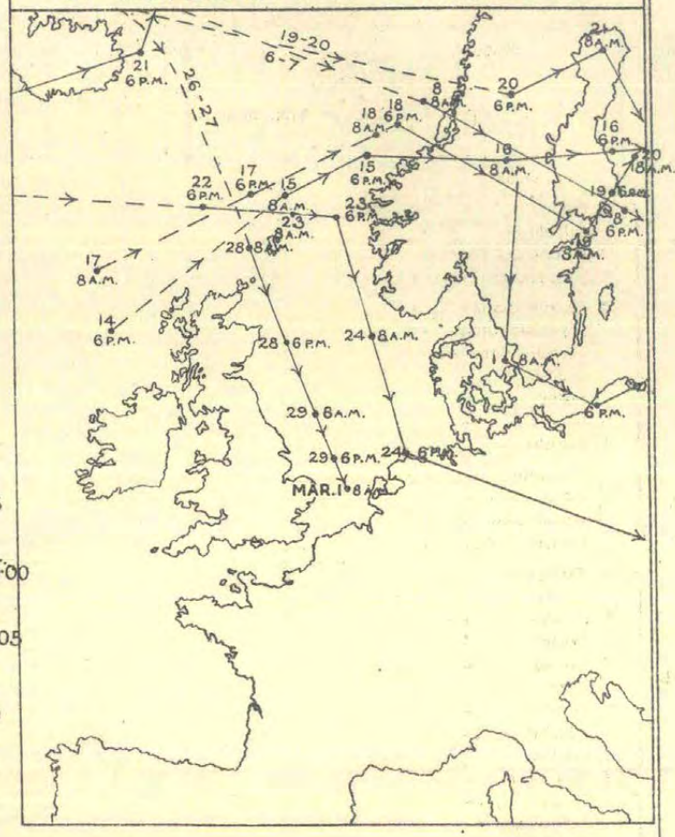
1. BAROMETER AND WIND AT 8 A.M.

The dotted lines indicate the normal distribution of pressure in Feb.ʸ based on 35 years' observations, 1871–1905.

29·65 29·70 29·75 29·80 29·85 29·90 29·95 30·00 30·05 30·10 30·15 30·20 30·25

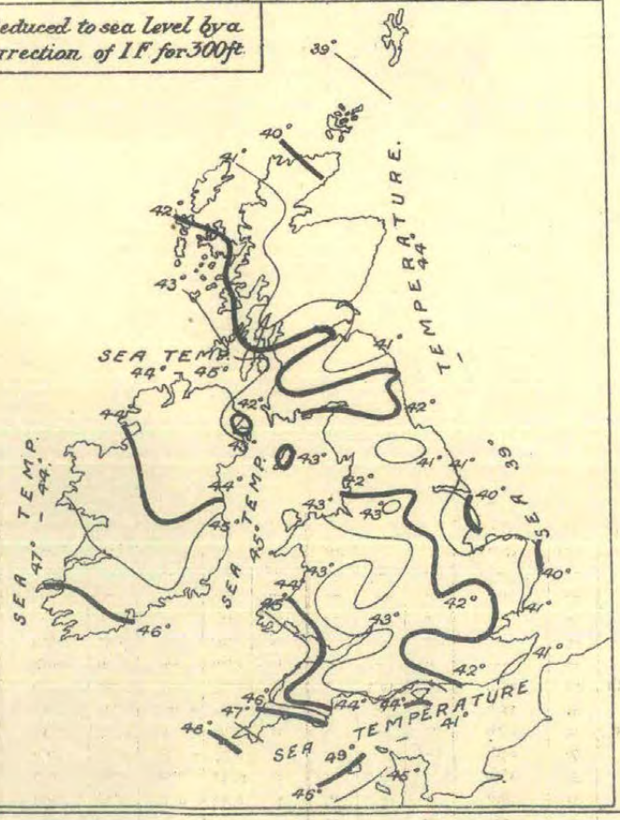
WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light moderate strong — 30 Obs.ns = 1 inch

2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.

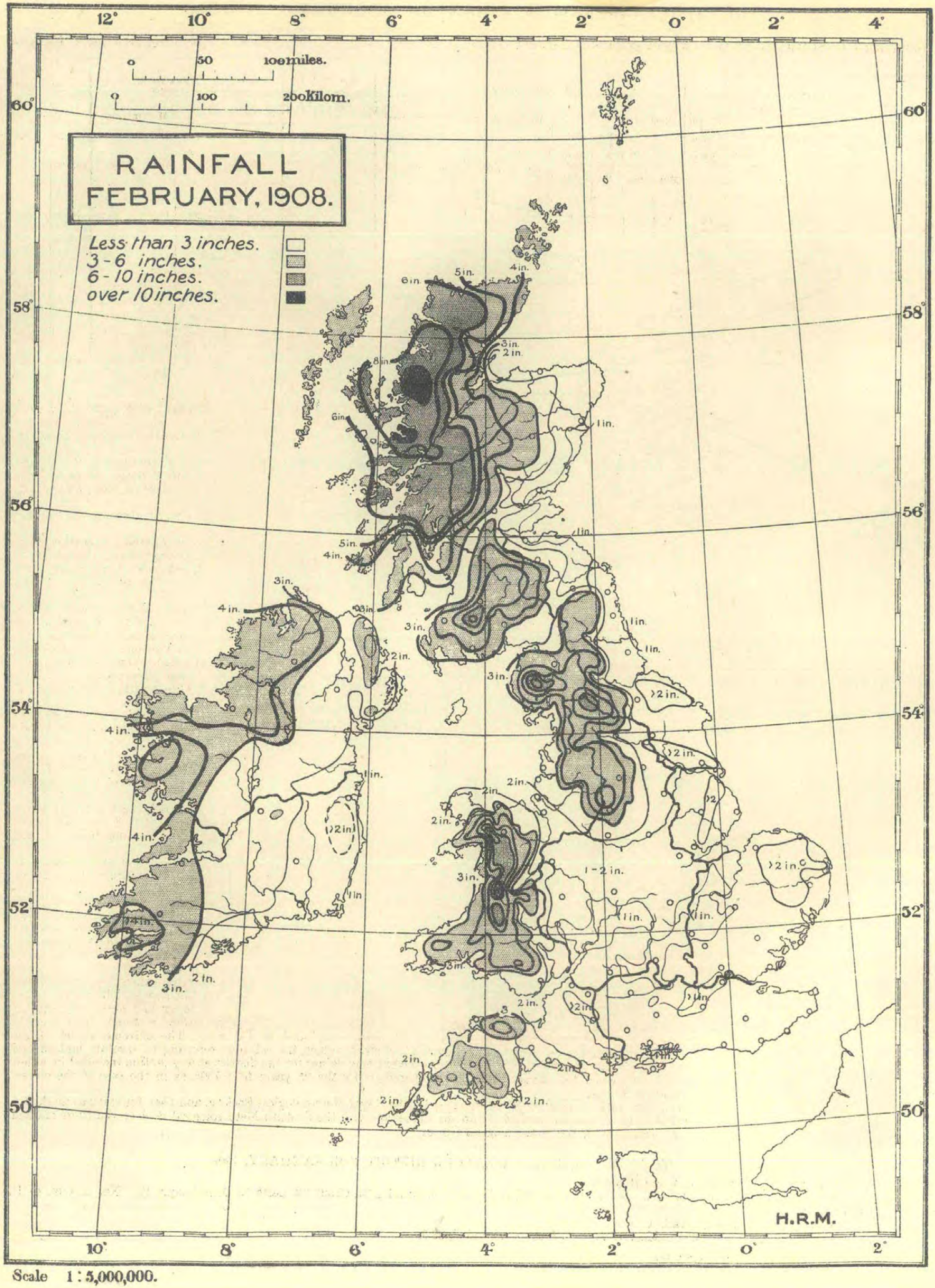
Reduced to sea level by a correction of 1°F for 300ft



4. BRIGHT SUNSHINE, IN HOURS.

Isohels as shown for 60, 80 and 100 hrs.

Wyman & Sons, Ltd., Lith., London & Reading.



Scale 1 : 5,000,000.

TABLE IV (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, FEBRUARY, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A. Min.	Mean of B. Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Grd. Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
	— — — —	Ft.	°	°	°	°	°	—	°	—	—	—	—	—	Ins.	Ins.	Ins.	—	Hrs.	Hrs.	%	%
9. IRELAND, N.	Dublin (Glasnevin) – –	67	39·7	48·6	44·2	+ 3·0	32	29th	52	19th	—	—	5	22	1·88	−0·11	0·52	14th	—	—	—	—
	Clongowes Wood College –	237	37·2	47·8	42·5	—	29	29th	53	22nd	—	—	—	23	1·93	—	0·46	14th	61	—	22	—
10. IRELAND, S.	¶ Kilkenny – – – –	212	39·0	48·7	43·9	+ 2·3	31	29th	54	22nd	—	—	—	18	1·60	−0·96	0·36	16th	—	—	—	—
	¶ Cahir – – – M	199	40·2	48·6	44·4	+ 2·6	33	29th	54	22nd	—	—	—	25	2·55	—	0·53	27th	—	—	—	—
	¶ Foynes – – – –	108	41·1	48·6	44·9	+ 2·1	31	28th	54	13th	—	—	—	27	3·29	+0·28	0·48	14th	—	—	—	—
	§ Ballinacurra – – –	34	41·2	50·2	45·7	—	33	29th	55	22nd	—	—	—	15	1·55	—	0·52	16th	69	—	24	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) –	180	41·7	48·8	45·3	+ 1·7	35	29th	53	14th	—	—	—	17	1·96	−0·81	0·71	16th	75	− 12	26	− 5

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—Observations are made at **8 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.**, mean local time, at normal climatological stations. The names of normal climatological stations for which full summaries are prepared are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Ventnor, Portsmouth** and **Llangammarch Wells.**

Barometer.—The correction for **latitude** has not been applied. The values are for station level. They are the means of readings at 8 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the case of Brighton, Coventry, Llangammarch Wells, Portsmouth and Ventnor, where they are the means of the observations at 9 a.m. The difference from average is based upon the 8 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours ended at the time of morning observation; they are entered by the observers to the day preceding that of the observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. *Except* in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less than 2,** and as an "**overcast**" day if the average is **greater than 8.** Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. At Brighton, Coventry, Portsmouth, Llangammarch Wells, and Camden Square, where observations of wind (and cloud) are taken only once a day, the results given in these columns have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 3 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906, and in Appendix I. to the Daily Weather Report. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked M is supplied by the Royal Meteorological Society, and that for stations marked S is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

CORRECTIONS TO MONTHLY WEATHER REPORT FOR JANUARY, 1908.

Page II.—Dunrobin Castle, Mean of A and B, 38°·0.

Page III.—Wick, Total Rainfall, 2·38 ins. No. of Obs. of Wind Forces 4–7, Dundee 24, Crieff 22, Leith 13, Marchmont 17. No. of Obs. of E. Wind at Geldeston, 9.

Page V.—Brighton, No. of Days of Hail, 0.

Page VI.—West Linton, Height, 800 ft., Mean of A, 28·1, Mean of A and B, 33·9.

63, Victoria Street, London, S.W. March 25th, 1908.

OFFICIAL COPY.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. III. MARCH, 1908. [*Price 6d.* *Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The very deep cyclonic system which moved down the North Sea, near the east coast of England, in the closing days of February, marked the commencement of a long period of remarkably unsettled atmospheric conditions all over the British Isles. Instead of, as in January and February, keeping well to the northward, near the Arctic Circle, the centres of most of the numerous disturbances of March visited these islands or their immediate neighbourhood, in the majority of cases passing across our southern districts. Depressions were also rather frequent over the Western Mediterranean, while the Iceland region was practically free until after the middle of the month, and Scandinavia almost entirely free throughout. As a general rule the systems were of no great depth, some of them being "V-shaped" secondaries, but they all served to maintain the weather in a very disturbed state, there being a great prevalence of strong or high winds in all districts, attaining the force of a gale in some locality or other on at least eleven days. Areas of high pressure were usually far removed from our shores, mainly over Northern and Eastern Europe, the barometer rising above 30·9 ins. at Moscow on the 21st. Pressure was also relatively high from the Spanish Peninsula westward to and beyond the Azores, and during the first half of the month it was generally high about Iceland. The only anticyclone that visited the British Isles moved across from west to east on the 14th and 15th, but it was of slight intensity, the barometer rising to 30·27 ins. at Valencia, and to 30·26 ins. at Oxford. A reading of 30·27 ins. was registered at Sumburgh Head on the 25th, under the influence of an anticyclone centred near Stockholm. In the absence of any very high readings the range of pressure for the whole month was slight to moderate, from less than an inch on the coast of Kent to 1·7 in. in the north-east of Scotland. At Sumburgh Head the mean pressure was 0·02 in. above the normal, and over the rest of the Kingdom it was below the normal, the deficiency nowhere amounting to 0·1 in.

With so many low pressure systems crossing the country the winds were exceedingly variable in direction, all points of the compass being represented, but the western quarters predominating. The month opened with the North Sea disturbance near the Norfolk coast, and another forming over the Western Baltic, a well-marked high pressure area covering the Atlantic from Iceland southward. Strong Northerly winds and gales were consequently felt generally over our western districts, a strong gale at Malin Head and Roche's Point. In the course of the day, however, both depressions became less deep, and the wind gradually moderated, the first disturbance passing slowly southward to Spain by the 3rd, while the Baltic system followed an erratic path, crossing the North Sea to Yorkshire, then southward to the Isle of Wight, from thence passing back to the Baltic, and dispersing in the night of the 5th near its place of origin. Weather of an inclement character prevailed during this period, rain, hail, sleet or snow falling everywhere, and local thunderstorms occurring in the north of England. As a rule the snow was not very heavy, from one to two inches in places, but at Ardross Castle it was reported as deep, and at Salisbury as a heavy fall; the record at the latter station, however, does not state whether the day's precipitation of 1·3 in. was all yielded by the snow. Temperature was abnormally low, the afternoon maxima in numerous localities failing to reach 40°, Newton Rigg not exceeding 35° on the 1st.

On the morning of the 6th an Atlantic depression in which the barometer was as low as 29 ins. arrived over St. George's Channel. Moving slowly on a north-easterly course it passed out to the North Sea, where it dispersed in the night of the 7th. Its progress was marked by very boisterous weather, the wind showing a complete cyclonic circulation and blowing hard, a strong South-Westerly gale at Pembroke, Westerly at Jersey, and North-Westerly at Roche's Point, a whole Westerly gale at Scilly. The anemometrical records show that a mean hourly velocity of 50 miles was reached at Scilly (at the rate of 65 miles in gusts), 51 miles at Plymouth (61 miles in gusts), and 55 miles at Falmouth (73 miles in gusts). Rain was general, and at a few western stations amounts from an inch to 1¼ in. were registered in a day.

With the collapse of this disturbance a new one approached our western coasts. By the evening of the 8th the barometer had dropped below 28¾ ins. in the north-west of Ireland, and on the following morning the pressure minimum, 28·5 ins. (the lowest during the month), was over Caithness. From this locality the system altered its course, moved down the east coast of Britain, crossed over to the Low Countries, then pursued a general easterly path, and disappeared towards the Caspian Sea on the 13th. South-Westerly to North-Westerly high winds or gales were felt on nearly all parts of our coasts on the 8th and 9th, a strong South-Westerly gale at Pembroke, and North-Westerly at Malin Head and Roche's Point, a mean hourly velocity of 54 miles (65 miles in gusts) at Falmouth, and at the rate of 68 miles in gusts at Scilly. Rain fell everywhere, as much as 1·4 in. at Laudale, and 1·5 in. at Gruline (Mull). Under the influence of the South-Westerly current the afternoon temperature rose to between 55° and 58° in various parts of England and Ireland on the 8th, and in several localities the night minima were from 42° to 45°.

This disturbance was succeeded by a spell of much less windy conditions, the depressions, small and of a secondary character, producing frequent rain, hail or sleet, with generally cold weather. Numerous stations registered afternoon temperatures below 40°, as low as 33° at Darwen on the 15th, while on the morning of the 15th there were many night records below 25°, 20° at Belvoir Castle and Woburn, 19° at Cambridge and Oundle, and 18° at Wokingham, where also the same value was touched on the 20th.

On the 22nd the conditions again assumed a more disturbed type, the main depressions for the most part keeping in the Iceland region, but they were sufficiently extensive to affect the British Isles. At Castlebay a strong South-Easterly gale occurred on the 22nd, at Pendennis South-Easterly squalls at the rate of 58 miles an hour were registered, and at Plymouth at the rate of 67 miles. From the 22nd to the 24th was the mildest period of the month, many places having afternoon temperatures above 55°. On the 24th the temperature rose to 60° at Cambridge and Epsom, and to 6[illegible]° at Cromer and Geldeston. A "V-shaped" secondary which moved from west to east on the 24th occasioned heavy rain over a great part of Britain, falls of an inch and upwards being measured at several stations, 1·4 in. at Towyn. From the 27th to the end of the month, the type was very unsettled, with frequent rain, and occasional hail, sleet or snow showers, the rainfall at some stations in South Wales and the west of Scotland exceeding an inch in a day. Auroral displays were witnessed in Scotland and North Wales on the nights of the 26th and 27th.

A large depression lying to the southward of Iceland from the 28th to the 30th caused rough weather pretty generally, a strong South-Westerly gale at Stornoway, a whole gale at Malin Head, squalls at the rate of 65 miles an hour at Falmouth, and 58 miles at Plymouth. In the night of the 30th the disturbance moved eastward and the barometer fell below 29 ins. over Scotland. Next morning the centre was over Shetland, the barometer having dropped to 28·67 ins. High winds and gales were general, Pembroke reporting a strong South-Westerly gale, and Aberdeen squalls at the rate of 64 miles an hour. The disturbance passed on to the Norwegian coast and dispersed on the morning of April 1st.

As a rule there was very little fog on land or sea. It occurred along the south-western coasts on the 8th, and along the south and south-east of England on the 24th and 25th.

Many observers remark that the month was wet, cold and windy, bad for farm work, and all vegetation very late.

The temperature of the coastal sea water showed an increase of about 1° on the February values off the south-east of England, and from the Hebrides to Shetland; there was no change on the east coast, from the Firth of Forth to the Shipwash, and on the south coast of Devon; but on the western coasts generally, and off the north-east of Scotland, it was about a degree colder. In nearly all localities, however, the water was from 1° to 4° warmer than the air on shore.

Rainfall.—Almost without an exception the records show that precipitation was above the average. The excess amounted to more than 2 ins. at some south-western, western and northern ones, to as much as 2·9 ins. at Marchmont. The largest aggregates were 10 ins. at Gruline, 9·1 ins. at Laudale, 8·6 ins. at Caragh Lake, 7·8 ins. at Fort William, and 7·4 ins. at Mallaranny, against 1·5 in. at Spurn Head and Felixstowe, and 1·3 in. at Clacton-on-Sea and Shoeburyness. Precipitation, which was frequently in the form of hail, sleet, or snow, was measured on 30 days at Caragh Lake, and on 28 days at Sumburgh Head, Cahir and Foynes, but on 14 days at Southend-on-Sea, and on only 9 days in the Forest of Dean (at 200 feet).

Bright Sunshine.—There was an excess of bright sunshine in the Metropolitan area, in the north of Scotland and of Ireland, and on the English Channel, a deficiency elsewhere. Oxford lost 34 hours, but at the other stations the differences from the average were mostly small. At Jersey the total duration was 175 hours, or 48 % of the possible duration, and at Guernsey 170 hours, or 47 %. On the other hand, Birmingham had 61 hours, 17 %, Manchester (Whitworth Park), 56 hours, 15 %, and Hull 38 hours, 10 %.

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TABLE V.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·598	+ ·018	35·3	42·1	38·7	+0·1	31	15th	47	29th	39·0	39·6	2·1	2·3	·197	·199	83	81	—	—
	§ Deerness – – –	163	29·544	—	35·9	43·1	39·5	+0·2	33	8th	49	11th	40·2	39·1	2·2	2·0	·207	·201	83	84	—	—
	¶ § Stornoway – –	52	29·651	– ·049	34·6	44·9	39·8	+0·1	27	15th	50	23rd	38·8	41·1	0·9	1·3	·219	·230	93	89	—	—
	Castlebay – – –	38	29·641	– ·039	38·1	44·9	41·5	−0·1	32	1st	50	28th	41·2	42·3	1·7	2·1	·223	·226	87	84	—	—
Mainland.	¶ Wick – – –	80	29·624	– ·044	33·8	43·5	38·7	−0·8	25	11th	50	29th	38·2	39·3	1·7	1·6	·197	·209	86	88	—	—
	¶ Lairg – – §	390	—	—	29·8	44·4	37·1	−0·5	21	4th, 20th	54	23rd	38·3	—	2·4	—	·185	—	80	—	—	—
	§ Strathpeffer – –	210	29·485	—	32·9	44·1	38·5	−0·6	25	5th	53	23rd	37·8	36·8	2·3	1·8	·184	·184	81	85	—	—
	¶ Glencarron – §	504	29·165	—	31·6	43·7	37·7	−0·6	26	5th	51	23rd	37·4	36·3	2·5	2·1	·177	·176	79	82	—	—
	¶ § Fort Augustus §	78	29·662	—	32·0	44·2	38·1	−1·6	25	5, 12, 21st	52	23rd	37·6	38·1	2·4	1·7	·181	·196	80	85	—	—
	¶ Fort William – §	38	29·700	—	33·0	45·2	39·1	−1·5	25	12th	52	23rd	37·6	38·5	2·2	2·2	·184	·190	81	82	—	—
	District Value –				**32·9**	**44·0**	**38·3**	**−1·0**	**21**		**54**											
1. SCOTLAND, E.																						
	Dunrobin Castle §	16	29·685	—	33·4	43·9	38·7	−1·6	25	5th	50	23rd	39·2	38·9	2·0	2·1	·201	·196	84	84	40·5	—
	¶ § Nairn – – –	82	29·616	– ·065	31·2	44·9	38·1	−1·7	24	5th, 19th	56	23rd	35·9	39·1	1·7	2·2	·180	·196	85	82	—	—
	¶ Gordon Castle §	107	29·593	—	31·9	44·5	38·2	−2·3	26	19th	55	29th	39·2	38·2	2·4	2·4	·193	·185	81	80	—	—
	¶ § Aberdeen – –	90	29·657 / 29·650	– ·051 / – ·053	34·7	42·8	38·8 / 38·9	−1·3 / −0·7	28	5th	49	29th	38·7	38·6	2·2	2·0	·193	·196	83	84	—	39·5
	Tillypronie – §	1120	28·519	—	28·7	39·9	34·3	−2·2	21	5th	50	23rd	34·8	33·1	1·5	1·0	·172	·168	85	89	—	—
	¶ Balmoral – – §	927	—	—	28·6	39·2	33·9	−2·4	10	5th	48	23rd	33 5	—	1·8	—	·155	—	81	—	—	—
	Dundee – – §	164	29·579	—	33·2	43·2	38·2	−1·4	28	5th	52	23rd	37·5	37·2	1·3	1·1	·199	·200	89	90	—	—
	¶ Crieff – – §	436	29·271	—	32·4	43·1	37·8	−2·3	27	13th, 21st	53	23rd	37·5	37·3	2·0	1·5	·186	·193	83	87	—	—
	¶ Leith – – –	37	29·699	– ·073	34·7	44·9	39·8	−1·6	25	5th	55	23rd	38·9	41·7	1·7	1·9	·204	·225	87	86	—	—
	¶ § Marchmont – §	500	—	—	31·3	43·2	37·3	−1·9	22	20th	52	23rd	36·7	36·5	2·0	1·7	·181	·184	83	85	37·0	—
	District Value –				**31·8**	**42·9**	**37·2**	**−2·1**	**10**		**56**											
2. ENGLAND, N.E.																						
Northern Part.	§ Cockle P'rk (Morpeth)	331	29·402	—	31·8	43·0	37·4	—	26	5th	53	23rd	37·3	36·4	1·0	0·6	·206	·206	92	95	36·6	38·7
	¶ Shields – – –	117	29·640	– ·070	32·6	45·2	38·9	−1·9	26	5, 6, 22nd	56	23rd	37·2	40·9	1·4	2·0	·194	·215	87	85	—	—
	Seaham – – –	138	29·624	—	34·2	44·4	39·3	−1·9	26	5th	55	23rd	39·6	37·8	2·3	1·3	·201	·203	81	90	—	—
	¶ § Durham – – –	352	29·388	—	32·5	43·8	38·2	−2·0	23	5th	54	23rd	37·7	37·4	1·5	1·1	·200	·202	88	90	—	—
	Whitby – – –	145	29·614	—	33·5	47·1	40·3	−1·1	25	21st	59	23rd	40·6	38·2	2·3	1·7	·212	·200	82	86	—	—
	¶ Rounton – – M	245	29·502	—	31·5	44·4	38·0	−1·9	23	5th	53	8th	37·3	36·5	2·0	1·3	·184	·190	82	88	37·6	—
	¶ § Scarborough – M	100	29·655	—	35·3	46·3	40·8	−0·5	31	15th	56	23rd	40·7	41·0	2·6	2·5	·202	·206	80	81	—	41·1*
	¶ § York – – –	53	29·753	—	33·6	45·9	39·8	−1·6	23	21st	56	8th	38·3	38·6	1·9	1·6	·194	·203	84	87	38·6	40·3
Southern Part.	Hull – – –	2	29·796	—	34·0	46·1	40·1	−0·9	26	15th	58	24th	40·1	39·4	1·8	1·5	·212	·212	85	88	38·2	41·0
	¶ Spurn Head – –	28	29·751	– ·085	35·8	44·6	40·2	−0·8	31	1st, 15th	56	24th	38·6	40·6	1·2	1·6	·211	·219	91	87	—	—
	§ Skegness (7 a.m.) –	16	29·810	—	32·7	44·6	38·7	—	26	15th	56	8th	36·6	41·0	0·9	2·2	·199	·211	92	83	—	—
	¶ Lincoln – – –	42	—	—	33·2	46·3	39·8	−2·0	25	15th	57	8th	38·5	38·3	1·4	1·8	·207	·199	87	85	38·4	40·6
	District Value –				**33·3**	**45·1**	**39·0**	**−1·6**	**22**		**59**										**37·9**	**40·2**
3. ENGLAND, E.																						
Northern Part.	¶ § Cromer – – –	139	29·666	—	34·4	44·8	39·6	—	28	16th	61	24th	39·2	38·2	1·5	1·2	·210	·206	88	90	—	—
	¶ § Hillington – M	92	—	—	32 4	46·1	39·3	−2·2	24	13th	59	24th	39·4	37·5	1·6	1·3	·209	·199	87	88	—	—
	¶ Norwich – – –	93	—	—	33·7	46·1	39·9	—	26	16th	61	24th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	29·769	– ·086	33·6	44·2	38·9	−1·6	29	27th	54	8th	37·8	40·6	1·5	2·3	·198	·207	88	82	—	—
	Lowestoft – M	75	29·751	—	33·9	44·9	39·4	−1·8	29	27th	55	24th	41·1	38·5	2·3	1·6	·211	·201	82	86	39·9	41·4
	¶ § Geldeston – –	47	29·778	—	32·8	46·2	39·5	−2·1	24	21st	61	24th	39·6	38·4	1·6	1·3	·211	·206	87	89	—	—
Southern Part.	¶ § Cambridge – –	43	29·782	—	32·6	47·2	39·9	−2·0	19	15th	60	24th	39·7	38·0	1·9	1·4	·210	·203	85	88	40 6	42·6
	Woburn – – –	294	29·537	—	32·6	45·9	39·3	—	20	15th	58	24th	38·8	37·8	1·1	0·7	·215	·216	90	94	—	—
	Bennington – M	411	29·429	—	32·8	46·0	39·4	−1·9	25	15th	57	24th	38·4	37·4	1·7	1·4	·199	·196	86	87	40·0	40·8
	¶ § Clacton – –	62	29·787	—	34·6	44·7	39·7	−2·5	29	20th	54	8th	39·6	39·5	1·4	1·2	·218	·219	89	90	40·8	43·7
	Berkhamsted – M	397	29·421	—	32·2	46·4	39·3	−2·2	23	15th	57	24th	38·5	37·2	1·7	1·2	·199	·198	85	89	40·1	—
	District Value –				**33·6**	**45·7**	**39·5**	**−1·5**	**19**		**61**										**40·4**	**42·5**
4. MIDLAND COS.																						
Eastern Part.	Garforth – – –	198	—	—	31·0	44·8	37·9	—	21	15th, 17th	55	8th	38·3	37·2	1·6	1·4	·203	·196	88	87	38·8	41·0
	Huddersfield – –	411	29·343	—	32·8	43·4	38·1	—	27	5th	54	23rd	37·0	37·6	1·4	1·2	·196	·204	88	89	37·8	39·7
	Wakefield – M	100	29·693	—	33·6	46·2	39·9	−1·2	28	17th	56	8th	39·0	40·1	2·1	2·1	·197	·206	83	83	—	—
	Belvoir Castle –	276	29·519	—	32·6	44·7	38·7	−2·0	20	15th	56	8th	37·0	37·6	1·1	1·1	·198	·204	90	91	—	40·1*
	Coventry – –	309	29·499	—	34·0	45·7	39·9	−2·2	28	12th, 20th	56	8th	38·3	—	1·9	—	·194	—	84	—	39·9	43·1
	¶ § Nottingham – –	85	29·714	– ·094	33·4	45·7	39·6	−2·0	22	15th	57	8th	37·3	41·2	1·0	1·9	·203	·219	92	85	38·0	39·4
	¶ § Birmingham – –	542	29·223	—	33·5	44·5	39·0	−2·2	28	20th	55	8th	36·4	38·8	1·4	1·9	·189	·200	87	84	39·3	42·8
	¶ § Oxford – – –	212	29·628 / 29·615	– ·070 / – ·065	34·2	46·8	40·5	−1·6	27	20th	54	8th, 23rd	37·4 / 40·1	40·1 / —	1·5 / 2·4	— / —	·194 / ·201	— / —	87 / 81	— / —	—	—
	¶ § Bath – – –	84	29·758	– ·065	33·4	47·1	40·3	−2·4	24	5th	57	23rd	38·4	43·5	1·6	—	·200	—	87	—	41·9	45·5
Western Part	¶ Shrewsbury – –	212	29·599	—	33·4	47·6	40·5	−2·2	24	12th	58	23rd	39·3	39·0	2·0	1·3	·205	·213	85	89	—	—
	Buxton – – M	977	28·731	—	30·5	40·9	35·7	−2·8	20	5th	51	23rd	35·6	35·3	1·3	1·2	·174	·182	84	88	37·4	—
	§ Sheffield – –	450	29·328	—	33·7	44·4	39·1	−2·5	29	5th, 17th	56	8th	38·5	38·7	2·0	1·7	·195	·204	83	86	37·7	40·2
	Stokesay – – –	375	29·433	—	32·9	46·5	39·7	—	25	18th	56	8th, 23rd	40·0	38·0	2·2	1·2	·203	·204	82	89	—	—
	Cheltenham – M	206	29·628	—	35·6	46·1	40·6	−1·1	28	18th	55	23rd	40·5	39·8	1·8	1·2	·215	·220	85	90	—	—
	District Value –				**32·9**	**45·9**	**39·2**	**−1·0**	**19**		**61**										**38·7**	**41·4**

For notes see p. xxix. * (3 ft.)

Telegraphic Reporting Stations, and at 9 a.m. and 9 p.m. at Normal Climatological
during the month of March, 1908.

Bright Sunshine.				Cloud (0–10).		Rain and other forms of Precipitation.				Weather. No. of Days of								Wind Force (0–12).		Wind Direction. No. of Observations at 8 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								Stations.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																				
—	—	—	—	8·0	7·3	28	3·00	+0·04	0·68	8th	0	0	0	0	18	0	—	0	31	4	6	3	7	21	15	3		0	Sumburgh Head.
120	+16	33	+ 4	7·3	6·0	17	4·39	+1·58	0·92	24th	2	6	0	0	7	0	—	3	38	3	5	5	3	19	19	2	2	4	Deerness.
102	- 1	28	- 1	6·7	7·6	23	6·19	+2·28	1·31	30th	2	3	0	0	17	0	—	3	41	7	9	3	2	8	13	11	4	5	Stornoway.
105	—	29	—	8·6	7·9	25	3·58	—	0·70	8th	4	5	0	1	22	2	—	4	30	1	12	3	2	11	13	5	6		Castlebay (Barra Isd.)
—	—		—	7·1	7·4	22	3·61	+1·47	0·95	24th	3	1	0	0	10	0	—	2	17	0	10	5	4	4	28	2	7	2	Wick.
—	—	—	—	5·7	7·1	23	4·61	+1·45	0·85	24th	8	1	0	4	10	0	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
102	+11	28	+ 3	5·6	5·5	19	3·33	+0·74	0·53	24th	5	0	0	8	9	0	—	1	9	22	3	4	7	1	3	9	10	3	Strathpeffer.
—	—	—	—	6·4	5·1	23	6·20	-1·65	1·16	28th	0	0	0	5	14	3	—	0	33	1	22	1	14	0	2	0	22	0	Glencarron.
93	+15	26	+ 5	6·1	6·6	17	5·05	+1·37	0·90	29th	6	0	0	5	11	5	—	2	18	11	3	14	0	3	10	18	1	2	Fort Augustus.
—	—	—	—	8·0	7·2	18	7·83	+1·17	1·33	29th	3	3	0	2	17	5	—	1	13	23	1	11	3	3	5	10	6	0	Fort William
104	+ 9	29	+ 3	7·1	6·9	22	5·21	+0·79	1·33																				
—	—	—	—	—	—	18	4·34	+1·82	1·16	24th	0	0	0	—	—	0	—	0	6	2	4	6	15	3	6	4	17	5	Dunrobin Castle.
123	—	34	—	6·4	6·9	23	2·73	+0·90	0·80	24th	4	1	0	2	13	0	—	0	5	12	2	4	7	4	4	13	15	1	Nairn.
—	—	—	—	6·8	6·4	20	3·35	+1·12	0·83	24th	4	0	2	1	10	0	—	0	10	0	0	3	1	21	17	7	5	8	Gordon Castle.
94	-24	26	- 7	6·8	7·4	23	3·54	+1·21	0·50	24th	6	7	0	0	13	1	—	0	16	7	3	1	3	10	17	5	6	10	Aberdeen.
—	—	—	—	6·7	6·2	22	4·70	+2·43	0·91	24th	12	0	0	1	13	9	24	8	44	0	10	4	0	9	5	8	13	13	Tillypronie.
—	—	—	—	8·0	—	20	4·10	+1·45	1·30	9th	12	0	0	—	—	0	27	4	6	0	0	0	0	2	8	6	34	12	Balmoral.
—	—	—	—	8·7	9·1	20	3·88	+1·93	1·27	24th	7	0	0	0	23	0	—	5	14	0	1	16	0	21	1	13	4	6	Dundee
—	—	—	—	6·5	7·1	23	4·75	+1·83	1·01	24th	8	0	0	2	11	2	—	1	20	0	0	7	25	4	2	1	15	8	Crieff.
—	—	—	—	6·6	7·7	21	2·95	+1·41	1·04	24th	4	3	0	1	15	0	—	2	10	2	7	5	13	6	7	9	8	5	Leith.
83	-25	23	- 7	7·7	7·3	20	5·37	+2·89	0·81	1st	12	0	0	½	18	1	23	0	10	0	4	13	10	4	10	8	9	4	Marchmont.
91	-15	25	- 4	7·1	7·3	22	4·00	+1·70	1·37																				
109	—	30	—	6·9	5·6	24	3·48	+1·17	0·85	6th	6	3	1	4	12	0	22	1	18	2	1	4	1	14	12	7	11	10	Cockle Park (Morpeth).
—	—	—	—	7·4	7·9	21	2·61	+0·92	0·80	6th	4	2	0	0	16	3	—	0	15	0	4	4	8	9	14	13	3	7	Shields.
—	—	—	—	6·3	6·0	19	2·65	+0·78	0·65	6th	5	6	0	3	8	0	—	1	22	3	2	4	5	14	8	11	6	9	Seaham.
91	-22	25	- 6	7·1	7·1	18	2·93	+1·09	0·65	6th	9	0	0	1	11	0	24	0	12	22	8	1	3	2	8	8	6	4	Durham.
132	—	36	—	4·8	5·8	20	2·11	+0·26	0·76	6th	5	1	0	4	5	1	—	0	4	1	0	10	0	25	7	14	0	5	Whitby.
—	—	—	—	7·1	6·9	21	2·15	+0·26	0·27	2, 5, 6th	8	0	1	1	13	1	22	3	16	9	6	4	2	11	11	12	2	5	Rounton.
132	—	36	—	7·7	7·9	23	2·15	+0·36	0·45	6th	3	0	0	0	11	¼	—	0	32	0	4	6	4	11	11	12	2	12	Scarborough.
101	- 1	28	0	5·8	6·3	21	2·86	+1·21	0·60	25th	6	1	0	5	12	2	—	0	7	0	11	7	6	6	17	4	4	7	York.
38	—	10	—	8·0	6·6	22	2·17	+0·44	0·26	4th, 6th	9	2	0	0	15	¼	19	0	7	11	9	14	0	7	4	7	6	4	Hull.
—	—	—	—	6·1	5·9	18	1·46	+0·14	0·26	6th	5	0	0	1	10	1	—	0	30	0	3	6	14	9	11	7	7	5	Spurn Head.
149	—	41	—	6·7	6·0	23	1·80	—	0·36	1st	1	0	0	1	10	1	—	0	18	0	5	4	11	8	9	9	10	6	Skegness.
—	—	—	—	6·1	5·7	22	2·14	+0·72	0·53	25th	5	2	0	6	10	0	—	0	3	9	3	6	6	4	0	11	15	8	Lincoln.
116	- 8	32	- 2			21	2·39	+0·65	0·97																				
129	—	35	—	8·3	6·2	23	1·77	—	0·21	1	1	0	0	0	15	1	—	0	33	2	5	7	6		7	17	5	4	Cromer.
108	- 7	30	- 1	8·1	4·9	25	2·72	+1·00	0·44	1st	5	3	0	1	10	0	26	0	13	5	14	3	10	6	5	9	8	1	Hillington.
—	—	—	—	—	—	25	2·51	—	0·32	1st	—	—	—	—	—	—	22	—	—	—	—	—	—	—	—	—	—	—	Norwich.
125	—	34	—	8·4	6·6	20	2·46	+0·82	0·40	1st	4	1	0	0	14	4	—	4	23	1	5	6	9	7	9	7	12	6	Yarmouth.
131	—	36	—	6·3	4·8	22	1·90	+0·42	0·32	1st	5	1	0	2	6	2	15	3	16	4	7	7	6	4	7	10	10	7	Lowestoft.
115	-11	32	- 2	7·2	5·8	24	2·33	+0·81	0·38	1	6	2	0	4	13	3	—	0	7	2	10	3	7	7	9	7	11	6	Geldeston.
104	-19	28	- 6	7·3	5·5	19	1·70	+0·35	0·46	25th	6	7	1	3	12	1	23	1	14	13	3	3	2	8	0	15	7	11	Cambridge.
—	—	—	—	7·9	6·3	21	2·86	—	1·03	25th	4	0	0	2	15	2	—	0	17	18	4	5	1	3	5	13	9	4	Woburn.
—	—	—	—	8·7	7·2	21	2·54	+0·92	0·69	25th	9	2	2	0	17	6	23	0	9	18	5	2	5	3	4	9	12	4	Bennington.
126	—	35	—	6·6	4·8	18	1·25	—	0·24	25th	6	2	0	2	8	2	23	0	18	2	8	3	4	6	10	7	12	10	Clacton.
110	—	30	—	7·3	6·4	19	3·23	+1·33	0·73	25th	7	5	1	2	11	2	24	0	0	13	3	7	1	2	7	8	13	8	Berkhamsted.
116	- 8	32	- 2	7·6	6·1	22	2·23	+0·68	1·03																				
100	—	27	—	5·9	6·3	23	3·42	—	0·79	25th	7	0	0	3	8	2	—	0	7	11	12	5	5	3	7	6	6	7	Garforth.
77	—	21	—	6·5	7·9	21	3·56	—	0·62	25th	12	1	0	1	15	1	17	0	12	8	9	7	3	7	8	4	11	5	Huddersfield.
—	—	—	—	6·6	6·8	20	2·86	+1·03	0·65	25th	9	4	0	3	13	0	—	5	11	2	8	7	6	6	7	8	10	8	Wakefield.
100	—	27	—	7·2	6·5	26	2·69	+1·11	0·82	25th	12	3	0	2	14	3	20	1	16	14	6	2	0	3	7	14	6	10	Belvoir Castle.
95	—	26	—	7·3	—	21	2·64	+1·07	0·59	24th	7	1	0	6	19	3	16	0	6	20	4	2	2	4	2	10	6	12	Coventry.
96	—	26	—	7·4	6·6	22	2·63	+1·10	0·69	25th	7	1	0	0	14	1	—	0	9	1	6	5	9	5	3	11	15	7	Nottingham.
61	—	17	—	7·9	7·7	17	3·01	+1·31	0·56	24th	4	0	0	1	16	3	19	0	11	4	8	6	7	3	6	9	10	9	Birmingham.
79	-34	22	- 9	7·5 7·5	7·1	19	2·58 2·66	+1·09 +1·10	0·45	25th	5	3	0	1	17	3	20	0	16	5	6	7	2	6	7	10	9	10	Oxford.
110	—	33	—	7·1	5·1	18	2·72	+0·66	0·50	5th	—	—	—	4	11	—	—	—	21	0	4	10	4	3	4	10	16	11	Bath.
—	—	—	—	6·5	6·8	21	2·69	—	0·86	24th	5	1	0	3	15	2	14	1	14	0	7	0	0	16	5	7	10	17	Shrewsbury.
83	—	23	—	7·6	7·6	22	4·05	+0·12	0·71	9th	18	1	0	0	16	4	23	0	6	17	3	6	4	5	2	7	13	5	Buxton.
91	—	25	—	6·7	8·5	21	3·16	+0·77	0·64	25th	13	2	0	0	15	0	19	0	7	6	6	6	1	7	10	6	7	13	Sheffield.
—	—	—	—	7·2	7·3	20	3·12	—	0·99	24th	6	1	0	2	13	2	18	3	13	13	13	3	0	8	2	8	6	9	Stokesay.
93	—	25	—	6·6	7·5	16	2·96	+1·19	0·70	24th	4	0	1	1	14	0	12	0	12	3	0	1	3	11	4	19	14	7	Cheltenham.
93	-18	25	- 5	7·0	7·1	19	2·94	+1·21	0·99																				

TABLE V. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth.	Earth Temperature. At 4 feet depth.
		ft.	Ins.	Ins.	Min.	Max.																
5. ENGLAND, S.E.	Reading	264	29·572	—	32·8	46·7	39·8	—	26	20th	56	23rd	38·7	38·6	1·7	1·4	·202	·207	86	89	—	—
	Salisbury	186	29·653	—	32·5	45·7	39·1	−2·9	22	5th	56	8th	39·5	39·1	1·3	1·1	·216	·217	90	91	41·2	—
	Dover	231	29·593	−·083	34·1	44·7	39·4	—	28	14th, 16th	50	8, 23, 31st	38·5	39·9	1·2	1·7	·209	·212	90	87	40·4	43·1
	Brighton	48	29·809	—	36·0	45·4	40·7	−2·0	28	21st	50	28th	40·9	—	1·8	—	·218	—	86	—	—	41·6
	§ Eastbourne	36	29·822	—	36·7	45·9	41·3	−1·7	29	21st	51	30th	41·7	40·9	2·2	1·6	·220	·225	83	88	41·6	43·6
	Portsmouth	18	29·859	—	35·6	47·8	41·7	−1·3	29	20th	56	23rd	41·4	—	2·5	—	·210	—	81	—	42·3	44·6
	¶ Dungeness	21	29·811	−·085	34·1	45·4	39·8	−2·1	27	20th	53	31st	39·8	42·0	1·6	1·7	·213	·231	88	87	—	—
	¶ Hastings	174	29·672	—	35·8	44·7	40·3	−2·1	29	15th	50	30th	40·5	39·2	2·1	1·2	·210	·216	83	90	40·9	43·1
	¶ § Southampton	84	29·789	—	35·8	49·0	42·4	−1·2	28	5th	58	8th	41·9	41·1	2·6	2·0	·216	·220	81	85	—	—
	¶ § *Ventnor*	80	29·771	—	37·0	47·7	42·4	−1·7	31	18th	54	23rd	41·9	—	2·3	—	·220	—	84	—	—	—
	District Value				**34·5**	**46·3**	**40·2**	**−2·0**	**18**		**60**											
LONDON	¶ § Tottenham	55	29·782	—	35·4	46·4	40·9	−1·7	26	15th	56	24th	40·5	40·6	1·4	1·0	·225	·234	88	91	**40·7**	**42·9**
	Camden Square	123	29·726	—	34·7	48·1	41·4	−1·6	26	15th	58	24th	40·5	41·1	1·9	1·8	·213	·220	85	85	—	42·8
	Westminster	54	29·774	−·092	35·9	46·9	41·4	−1·5	29	15th	57	24th	39·1	43·5	1·8	3·8	·204	·205	85	73	39·3	41·4
	Greenwich	159	29·681	—	33·9	47·6	40·7	−1·8	24	15th	59	24th	40·3	38·8	2·4	1·8	·203	·201	81	85	—	—
			29·671	−·075			40·5	−1·4													—	41·9
	Norwood	235	29·633	—	34·4	47·1	40·8	−1·7	25	15th	59	24th	40·1	39·1	2·3	1·8	·202	·203	81	85	39·7	—
	¶ § Kew	34	29·824	−·077	35·5	46·6	41·1	−1·4	27	15th	57	24th	40·1	40·4	2·6	2·3	·197	·205	79	82	40·1	43·0
			29·815	−·077			40·9	−1·2													—	—
	Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶ Laudale	25	29·695	—	34·2	45·2	39·7	−1·8	26	13th	50	23rd	39·6	39·7	1·6	1·4	·214	·218	87	89	—	—
	¶ Poltalloch	135	29·601	—	32·1	44·7	38·4	−2·3	25	13th	54	24th	39·2	36·4	2·4	1·8	·193	·182	81	84	—	—
	¶ § Glasgow	184	29·553	—	35·1	44·2	39·7	−0·8	29	5th	52	23rd	38·4	39·4	1·8	2·0	·199	·204	85	84	—	—
	¶ Rothesay	76	29·671	—	35·2	46·1	40·7	−0·7	29	13th	54	23rd	40·0	39·3	2·6	2·1	·196	·200	79	84	—	41·6
	¶ Colmonell	140	—	—	33·7	44·6	39·1	−2·3	25	13th	54	23rd	39·6	—	1·8	—	·208	—	85	—	—	—
6.	¶ Dumfries	60	29·723	—	33·5	45·9	39·7	+1·6	26	5th	56	23rd	38·7	40·1	2·0	2·0	·197	·208	85	84	—	—
	¶ Cally	120	—	—	33·2	45·7	39·5	−1·4	25	5, 12, 13th	55	23rd	39·9	38·7	1·5	1·7	·216	·202	88	86	—	—
ISLE OF MAN	¶ § Douglas	140	29·628	—	35·3	44·8	40·1	−1·7	28	13th	51	23rd	40·9	39·3	2·0	1·5	·216	·213	84	88	—	—
	District Value				**34·0**	**45·1**	**39·5**	**−1·3**	**23**		**56**											
	Southport	42	29·769	—	34·5	45·7	40·1	−1·4	25	20th	54	27th	40·0	39·4	2·2	1·5	·203	·212	82	88	39·4	41·2
	Manchester (City)	195	29·604	—	35·9	45·2	40·6	—	29	5th	55	23rd	39·7	40·4	2·3	2·1	·202	·211	82	84	38·1	41·9
	„ (Whitworth P'k)	127	29·661	—	35·1	45·4	40·3	—	27	13th	56	23rd	39·2	40·0	2·5	2·1	·192	·205	81	83	—	—
ENGLAND, N.W.	¶ § Aspatria	254	29·507	—	33·6	44·1	38·9	−1·8	27	19th	52	23rd	38·7	37·9	1·7	1·1	·204	·208	86	90	—	—
	¶ § Newton Rigg	559	29·148	—	31·1	43·0	37·1	−2·5	16	5th	53	23rd	35·4	36·6	1·2	0·9	·184	·199	89	92	38·1	39·4
	¶ § Stonyhurst	363	29·407	—	33·3	43·6	38·5	−2·1	25	20th	52	23rd	38·0	38·4	2·0	1·8	·192	·199	83	85	—	—
	¶ § Blackpool M	73	29·723	—	34·3	44·5	39·4	−1·9	25	20th	52	23rd	40·7	38·6	1·8	0·7	·217	·221	86	95	—	42·7
7.	¶ M'nch't'r (Prestwich)	320	29·450	—	33·3	44·6	39·0	−2·1	25	20th	52	23rd	38·8	39·6	1·0	1·2	·217	·219	92	90	—	—
	¶ Liverpool	197	29·585	—	35·5	44·4	40·0	−2·1	30	20th	55	23rd	39·3	39·7	2·2	1·9	·198	·207	83	84	—	—
	¶ § Llandudno M	21	29·799	—	37·0	46·6	41·8	−1·4	28	30th	53	8th	41·5	41·9	2·6	2·0	·209	·226	80	86	—	—
NORTH WALES	¶ Holyhead	48	29·736	−·088	37·4	45·7	41·6	−1·4	31	5th, 21st	51	23rd	41·3	42·9	1·3	1·5	·232	·244	90	88	—	—
	¶ § Bettws-y-Coed	100	29·680	—	33·6	46·2	39·9	−1·1	24	20th	55	23rd	40·0	39·3	2·1	1·5	·205	·211	83	88	39·7	42·6
	District Value				**34·3**	**44·9**	**39·4**	**−1·9**	**16**		**58**										**38·3**	**41·6**
SOUTH WALES	¶ § *Llangammarch Wells*	585	29·199	—	31·3	45·0	38·2	−3·3	20	5th	52	23rd	37·5	—	1·6	—	·193	—	86	—	40·2	43·1
	¶ § Pembroke	150	29·667	−·073	37·4	46·0	41·7	−1·3	31	20th	49	8, 23, 30th	40·6	42·6	1·5	1·9	·221	·233	88	86	—	—
	Clifton	229	—	—	35·4	46·4	40·9	−1·5	28	5th	54	23rd	—	—	—	—	—	—	—	—	—	—
8	¶ Portland Bill	23	29·833	−·065	38·3	45·8	42·1	−2·3	32	18th	50	27th, 30th	41·6	43·5	1·3	1·3	·236	·253	90	90	—	—
	¶ § Plymouth	116	29·763	—	37·4	48·3	42·9	−1·3	30	4th, 26th	55	23rd	43·1	43·0	3·0	3·0	·220	·218	78	78	42·6	—
ENGLAND, S.W.	¶ § Falmouth	188	29·710	−·031	38·9	47·6	43·3	−1·1	33	5th	53	22nd	43·0	42·5	2·5	1·8	·225	·234	81	86	—	—
			29·703	−·031			43·2	−1·1													—	—
	Woolacombe	79	29·794	—	38·4	47·2	42·8	−2·2	33	5th	52	22nd	42·8	42·1	2·4	2·2	·225	·222	82	83	—	—
	Rousdon	516	29·307	—	34·4	45·7	40·1	—	28	5th	53	8th	40·0	40·3	1·8	1·5	·211	·219	85	88	41·5	43·2
	Whitchurch	595	29·227	—	34·3	46·4	40·4	—	26	4th	54	23rd, 26th	40·6	38·5	1·8	1·2	·216	·209	85	90	40·9	—
9 IRELAND, N.	District Value				**35·5**	**46·3**	**40·7**	**−2·0**	**20**		**56**										**40·9**	**42·9**
Western Part.	¶ Malin Head	230	29·457	−·093	36·4	44·6	40·5	−1·8	28	1st	49	23rd	39·9	42·1	1·5	1·7	·216	·232	88	87	—	—
	¶ Blacksod Point	41	29·723	−·077	37·5	47·5	42·5	−1·3	32	4th, 12th	51	8, 10, 23rd	42·6	44·5	2·2	2·8	·227	·233	84	79	—	—
	¶ § Markree Castle	127	29·655	—	33·4	47·9	40·7	−1·3	25	4th, 26th	54	26th	41·5	38·9	2·2	1·7	·219	·204	83	86	—	—
Eastern Part.	¶ Donaghadee	40	29·725	−·074	35·8	45·6	40·7	−1·5	32	1, 17, 20th	54	8th	39·2	43·1	0·9	1·5	·221	·246	92	88	—	—
	¶ § Armagh	202	29·551	—	34·3	47·4	40·9	−0·6	28	13th	55	23rd	40·9	38·6	1·6	1·6	·224	·205	87	86	41·0	43·0
	Belfast	55	29·736	—	34·1	47·0	40·6	—	27	5th	54	8th	41·6	38·7	2·1	1·1	·222	·214	84	90	—	—
10. IRELAND, S.	District Value				**35·5**	**46·6**	**41·0**	**−0·9**	**25**		**55**											
Eastern Part.	§ Dublin (Phœnix P'k)	159	29·631	—	32·9	47·6	40·3	−1·6	23	20th	56	8th	41·2	38·5	1·9	1·2	·222	·213	86	90	—	—
	„ (Trinity Coll'ge)	17	29·787	—	36·1	48·6	42·4	—	28	5th	58	8th	42·9	41·2	2·9	2·3	·217	·215	79	83	41·7	43·9
	¶ „ (City)	53	29·749	—	36·1	47·8	42·0	−1·7	30	5th	57	8th	41·3	41·0	2·5	2·1	·211	·215	81	84	—	—
	¶ Waterford	100	—	—	35·1	48·5	41·8	−1·3	26	5th	55	23rd	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ § Birr Castle	173	29·614	—	32·8	47·7	40·3	−2·0	24	4th	54	8th	40·8	40·1	1·7	1·5	·223	·221	86	88	—	—
	¶ Killarney	174	—	—	36·6	50·3	43·5	−1·2	28	4th	57	26th	—	—	—	—	—	—	—	—	—	—
	¶ § Valencia	62	29·815	−·062	39·0	47·9	43·5	−1·9	32	4th	52	8th	43·3	44·0	1·5	2·1	·248	·242	88	83	—	—
			29·808	−·063			44·0	−1·2													—	—
	¶ Roche's Point	42	29·807	−·045	37·9	48·3	43·1	−1·5	31	5th	53	26th	41·4	45·0	1·1	2·3	·238	·247	91	83	—	—
11. ENGLISH CHANNEL	District Value				**35·9**	**48·3**	**41·9**	**−1·6**	**22**		**58**											
	¶ § Scilly	20	29·871	−·024	41·7	50·3	46·0	−0·1	36	5th	55	26th	43·8	46·9	2·7	2·6	·228	·259	79	81	—	—
	¶ § Jersey	36	29·881	−·031	36·8	48·6	42·7	−2·4	31	5th, 13th	53	23, 27, 30th	42·2	45·1	2·3	3·4	·221	·226	83	75	—	—
	Guernsey (Brooklyn	311	29·581	—	39·1	48·0	43·6	−1·4	32	2nd	53	23rd	43·1	42·3	2·9	2·1	·218	·226	78	84	43·7	45·5
	District Value				**39·3**	**49·3**	**44·2**	**−1·0**	**31**		**55**											

For notes see p. xxix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of MARCH, 1908.

Bright Sunshine.				Cloud (0–10).		Rain and other forms of Precipitation.				Weather. No. of Days of									Wind Force (0–12).		Wind Direction. No. of Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								Stations.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																				
—	—	—	—	6·9	6·4	14	2·32	+0·76	0·41	5th	6	0	0	5	15	0	—	2	2	12	5	5	3	2	8	12	11	4	Reading.
—	—	—	—	6·9	6·9	17	4·51	+2·34	1·27	3rd	3	0	0	1	10	0	21	3	11	0	11	7	7	1	3	10	6	17	Salisbury.
110	—	30	—	6·9	7·0	21	1·67	—	0·23	3rd	9	8	0	4	15	3	17	0	11	9	8	4	0	2	11	11	9	8	Dover.
129	− 4	35	− 1	6·6	—	16	1·84	+0·12	0·44	22nd	1	1	0	5	17	0	14	2	10	8	8	8	2	6	4	16	4	6	Brighton.
140	+ 5	38	+ 1	5·7	5·1	20	2·61	+0·57	0·50	3rd	5	1	0	4	8	0	—	0	9	13	4	14	2	2	0	12	6	9	Eastbourne.
126	—	35	—	5·3	—	20	2·45	+0·71	0·59	5th	3	0	0	11	10	0	15	0	28	0	4	8	6	4	4	14	8	14	Portsmouth.
—	—	—	—	8·0	8·1	24	2·18	+0·80	0·51	3rd	5	1	0	0	17	3	—	2	26	0	10	7	2	3	7	16	11	6	Dungeness.
114	−23	31	− 6	5·6	5·5	21	2·00	+0·05	0·26	25th	8	3	0	4	7	1	—	0	18	0	7	4	4	8	10	6	11	12	Hastings.
111	−15	30	− 5	7·1	7·5	17	3·32	+1·26	0·77	3rd	3	1	0	2	17	1	16	1	20	0	1	13	0	8	0	14	5	21	Southampton.
144	+ 1	39	0	6·5	—	19	2·56	+0·69	0·46	5th	2	1	0	2	14	0	—	0	11	4	13	2	5	2	6	10	11	9	Ventnor.
117	− 6	32	− 2	6·6	6·6	20	2·75	+0·9	1·27																				
106	—	29	—	7·9	7·5	18	2·15	—	0·67	25th	3	2	1	2	17	2	15	2	8	5	8	10	4	3	1	14	8	9	Tottenham.
98	—	27	—	6·5	—	18	2·37	+0·71	0·83	25th	3	0	0	6	15	2	20	—	—	10	10	8	2	2	0	10	8	12	Camden Square.
75	+ 6	21	+ 2	6·2	7·0	20	2·06	+0·52	0·71	25th	6	0	1	4	15	0	19	2	12	10	5	6	3	4	4	14	9	7	Westminster.
102	+ 3	28	+ 1	7·4	6·0	17	2·22	+0·70	0·55	25th	8	1	1	3	12	3	19	0	12	3	9	6	4	5	6	15	10	4	Greenwich.
—	—	—	—	7·2	6·7	22	2·63	+1·06	0·70	25th	8	0	0	2	14	8	13	3	9	6	9	5	3	2	10	10	10	7	Norwood.
104	− 2	28	− 1	7·2	6·7	19	2·43	+0·90	0·78	25th	5	1	1	3	14	2	20	0	16	14	6	4	4	2	6	11	9	6	Kew.
82	+12	22	+ 3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	6·9	6·7	19	9·05	+2·41	1·40	8th	2	2	0	4	15	1	—	0	28	1	15	0	8	2	17	6	9	4	Laudale.
—	—	—	—	7·3	7·0	19	5·72	+1·97	1·30	9th	0	3	0	1	12	3	—	5	20	8	8	7	5	8	5	7	8	6	Poltalloch.
67	−17	19	− 4	8·6	7·4	19	4·21	+1·61	1·07	24th	1	1	0	0	17	0	15	0	9	17	6	4	11	4	5	7	5	3	Glasgow.
—	—	—	—	6·5	6·6	20	6·05	+2·68	1·25	8th	1	2	0	3	12	8	—	2	15	9	9	3	12	3	7	8	7	4	Rothesay.
—	—	—	—	6·2	—	21	5·58	+2·44	1·10	24th	1	1	1	—	—	0	12	3	24	2	2	6	10	22	0	6	2	8	Colmonell.
—	—	—	—	6·7	6·1	21	4·66	+1·82	0·97	24th	0	0	0	3	12	0	18	1	14	0	4	13	7	14	5	7	3	9	Dumfries.
—	—	—	—	—	—	17	4·91	+1·34	0·93	24th	1	1	0	—	—	0	—	3	10	0	1	15	12	10	2	1	5	16	Cally.
113	−20	31	− 6	7·8	6·5	21	3·80	+1·04	0·69	24th	2	1	0	0	15	0	11	4	33	3	8	5	4	11	6	6	8	11	Douglas.
90	−21	25	− 6	7·1	6·7	19	5·34	+1·82	1·40																				
120	+ 9	33	+ 2	6·5	7·2	18	2·49	+0·32	0·50	24th	1	2	0	2	12	1	18	5	27	4	4	5	4	15	6	11	5	8	Southport.
75	—	21	—	—	—	18	2·54	+0·11	0·52	24th	4	0	0	—	—	2	6	0	6	1	6	6	8	10	8	8	8	7	Manchester (City).
56	—	15	—	7·6	8·5	18	2·21	—	0·54	24th	3	0	0	0	18	4	25	0	12	6	4	5	6	11	8	8	6	8	„ (Whitworth P'k).
106	—	29	—	6·3	5·4	20	3·52	+0·73	0·55	24th	6	3	0	6	10	1	13	4	14	16	9	7	1	2	3	12	11	1	Aspatria.
92	−18	25	− 5	6·0	6·1	22	3·89	+1·42	0·80	24th	7	1	0	4	12	0	22	3	14	7	3	1	13	11	8	8	7	4	Newton Rigg.
95	−11	26	− 3	8·3	6·7	21	3·42	−0·10	0·78	24th	11	2	1	0	14	2	16	0	12	20	2	10	3	2	6	6	8	5	Stonyhurst.
125	+17	34	+ 4	6·5	7·6	17	2·36	+0·13	0·58	24th	1	0	0	4	13	0	10	0	21	0	5	8	5	15	8	9	6	6	Blackpool.
95	+12	26	+ 3	7·8	7·1	21	3·01	+0·47	0·53	24th	4	2	0	2	19	2	22	4	13	7	5	3	10	2	12	3	18	2	Manchester (Prestwich).
95	—	26	—	6·2	7·3	20	2·92	+1·14	0·67	24th	7	1	0	3	12	2	—	1	15	0	1	7	9	10	3	13	12	7	Liverpool.
116	+ 5	32	+ 1	6·0	7·9	22	2·27	+0·22	0·49	24th	0	1	0	1	11	0	—	1	10	7	6	5	4	0	1	5	28	6	Llandudno.
—	—	—	—	6·5	7·1	19	3·67	+1·26	0·81	24th	0	3	0	0	11	0	—	7	26	0	6	5	9	4	9	13	10	6	Holyhead.
85	—	23	—	6·5	6·2	23	5·13	—	0·75	9th	4	4	0	1	7	0	10	6	9	0	2	7	6	3	0	19	8	17	Bettws-y-Coed.
105	− 3	29	− 1	6·7	7·0	21	3·30	+0·90	1·43																				
93	—	25	—	8·7	—	22	4·85	—	0·88	5th	5	2	0	1	24	2	21	0	12	20	6	2	0	0	6	4	10	14	Llangammarch Wells.
131	0	36	0	6·7	6·5	19	4·97	+2·69	0·88	24th	3	5	0	0	10	2	—	6	30	0	8	7	3	7	7	11	10	9	Pembroke.
110	—	30	—	—	—	18	2·91	+0·55	0·74	24th	—	—	—	—	—	—	16	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	5·5	6·5	15	2·23	—	0·58	5th	0	0	0	3	9	0	—	3	23	1	7	5	4	5	8	9	11	12	Portland Bill.
147	+15	40	+ 4	6·7	5·6	19	4·17	+1·67	0·76	5th	0	3	0	4	10	2	14	4	?26	10	3	4	5	4	6	8	10	12	Plymouth.
153	+15	42	+ 4	6·4	4·0	21	5·84	+2·66	1·05	5th	0	2	0	4	6	0	—	0	17	12	9	5	2	3	5	7	10	9	Falmouth.
139	+ 8	38	+ 2	6·2	5·5	20	2·32	+0·37	0·51	5th	0	4	1	3	8	0	—	0	20	1	6	11	4	4	4	13	7	12	Woolacombe.
139	—	38	—	5·6	5·7	18	3·04	—	0·63	5th	3	2	0	4	7	6	17	6	9	1	6	6	2	4	1	10	16	16	Rousdon.
—	—	—	—	6·6	6·1	24	5·85	—	1·07	5th	9	11	0	3	11	4	23	7	16	3	7	6	4	9	8	4	8	13	Whitchurch.
122	− 2	33	− 1	6·5	5·7	19	3·91	+1·20	1·21																				
—	—	—	—	7·8	6·8	22	3·14	+0·92	0·57	5th	1	6	0	0	9	3	—	8	32	1	11	3	3	4	15	9	6	10	Malin Head.
—	—	—	—	7·6	7·3	26	6·21	+2·38	0·79	30th	0	2	0	0	12	0	—	2	43	0	8	5	3	1	7	16	12	10	Blacksod Point.
127	+22	35	+ 6	6·8	5·9	24	5·33	+2·28	0·76	30th	3	6	0	3	10	1	22	3	16	14	7	3	0	5	13	10	5	5	Markree Castle.
—	—	—	—	7·2	8·0	23	3·82	+1·81	0·52	10th	1	2	0	0	13	0	—	0	24	1	8	5	6	4	11	14	7	6	Donaghadee.
108	+ 4	30	+ 1	7·8	7·1	22	4·02	+1·89	0·85	5th	1	0	0	1	16	0	15	0	14	19	4	0	1	3	11	12	4	8	Armagh.
—	—	—	—	—	—	27	4·26	+2·05	0·94	5th	0	0	0	—	—	0	—	0	12	12	5	8	2	4	8	9	5	9	Belfast.
118	+12	33	+ 4	7·4	7·0	23	4·50	+1·78	0·94																				
117	− 7	32	− 2	7·1	5·7	24	2·12	+0·09	0·35	5th	5	5	0	2	11	1	21	0	12	21	1	0	1	3	6	11	14	5	Dublin (Phœnix Park).
104	—	29	—	6·8	6·0	20	2·77	—	0·70	5th	1	1	0	2	11	5	15	1	10	18	5	0	4	2	2	5	8	18	„ (Trinity College)
—	—	—	—	5·6	5·2	22	2·94	+1·03	0·70	5th	6	5	0	3	9	6	10	6	15	4	5	3	3	5	7	7	14	14	„ (City).
—	—	—	—	—	—	23	3·69	+0·96	0·82	5th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
111	0	30	0	6·6	7·3	23	2·94	+0·55	0·55	5th	0	3	0	1	12	0	—	0	15	9	6	1	0	5	10	12	11	8	Birr Castle.
—	—	—	—	—	—	26	5·97	+1·30	0·84	30th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
102	−24	28	− 7	8·0	6·4	27	5·66	+1·42	1·26	21st	1	5	0	1	13	0	—	1	30	11	7	5	1	2	11	8	4	10	Valencia.
—	—	—	—	6·1	6·7	27	3·95	+0·88	0·84	21st	0	1	0	2	13	1	—	5	25	2	17	3	2	3	8	8	7	12	Roche's Point.
112	−10	31	− 2	6·7	6·2	25	4·10	+1·12	1·26																				
158	+17	43	+ 4	7·7	7·5	24	3·17	+0·88	0·68	5th	0	2	0	0	13	1	—	2	42	0	7	6	4	4	6	10	15	10	Scilly.
175	+26	48	+ 7	6·6	5·4	21	3·55	+1·26	0·53	31st	3	3	0	2	9	4	—	4	28	0	2	9	4	7	2	8	15	15	Jersey.
168	+22	46	+ 6	5·8	5·4	21	3·59	+1·16	0·61	5th	1	3	0	4	5	3	12	5	20	8	3	7	1	4	4	8	12	15	Guernsey (Brooklyn).
168	+18	46	+ 5	6·7	6·1	22	3·39	+1·14	0·68																				

The sunshine entered to Portsmouth is registered at Southsea.

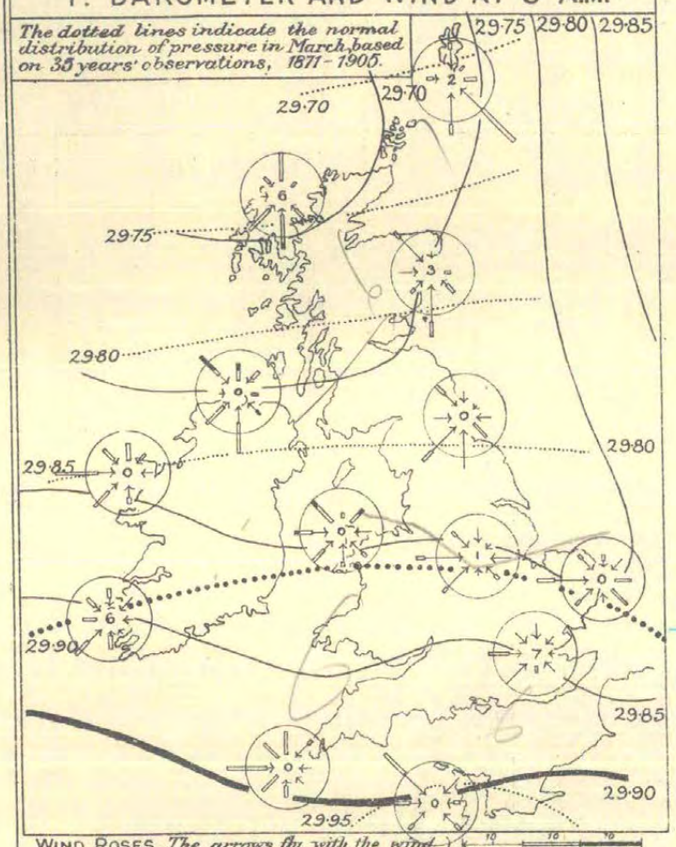
TABLE VI.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, MARCH, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth Temperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
				Ft.	° Min.	° Max.	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	
0. SCOTLAND, N.		Balta Sound	S	31	35·0	42·5	38·8	—	30	16th	47	12th	—	—	—	26	3·15	—	0·59	8th	92	—	26	
1. SCOTLAND, E.	§	Crathes	S	140	32·1	43·7	37·9	—	21	21st	52	23rd	37·5	38·5	19	23	4·50	—	0·71	24th	78	—	22	
	§	Balruddery	S	276	32·5	44·4	38·5	—	26	5th	54	23rd	—	—	—	23	4·16	—	1·37	24th	92	—	25	
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	- 16	21	
	¶	West Linton	S	800	29·8	40·4	35·1	- 3·6	18	5th	51	23rd	—	—	—	23	5·24	—	0·92	8th	75	—	21	
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	32·2	44·6	38·4	- 1·8	22	5th	54	23rd	—	—	—	18	3·21	+0·88	0·97	6th	—	—	—	
		Newcastle-on-Tyne	—	152	34·1	44·6	39·4	—	27	7th	56	23rd	—	—	—	20	3·25	+1·26	0·76	6th	67	- 23	18	
		Ampleforth	—	349	32·5	44·7	38·6	—	25	15th	55	24th	—	—	22	22	3·18	—	0·73	6th	—	—	—	
		Tealby	—	251	33·3	45·0	39·2	- 1·8	27	15th	56	24th	—	—	—	16	1·95	+0·17	0·24	27th	—	—	—	
	¶	Fulbeck	—	180	32·9	45·0	39·0	- 2·5	23	15th	57	8th	—	—	—	23	2·62	+1·18	0·62	25th	99	—	27	
	§	Rauceby	—	124	32·6	45·8	39·2	—	22	15th	58	8th	—	—	25	24	2·73	+1·23	0·58	25th	114	—	31	
3. ENGLAND, E.		Felixstowe	—	10	34·0	44·3	39·2	- 2·6	26	20th	55	8th	—	—	—	18	1·47	—	0·23	5th	124	—	34	
	¶ §	Rothamsted	—	424	32·8	45·8	39·3	- 1·8	23	15th	56	24th	—	—	—	22	3·21	+1·41	1·00	25th	115	- 2	32	
		Shoeburyness	—	13	35·0	46·1	40·6	- 1·9	28	14, 15, 20	57	24th	—	—	—	15	1·31	+0·15	0·39	25th	—	—	—	
		Southend-on-Sea	—	100	34·8	46·6	40·7	—	28	20th	59	24th	40·3	—	22	14	1·58	+0·26	0·52	25th	109	—	30	
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	32·0	43·5	37·8	- 2·2	26	5, 20, 21	55	23rd	37·8	39·1	17	21	3·85	+1·73	0·81	25th	106	—	29	
		Bradford	—	330	32·4	43·1	37·8	—	26	5th	53	23rd	37·2	39·8	19	25	3·65	—	0·63	25th	101	—	28	
	¶	Cheadle	M	646	32·2	43·5	37·9	- 2·4	26	5th	54	8th	—	—	25	17	3·00	+0·78	0·69	24th	—	—	—	
	¶	Bawtry	—	65	32·9	46·7	39·8	- 1·7	22	15th	57	24th, 31st,	—	—	—	19	2·85	+1·35	0·78	25th	—	—	—	
	§	Worksop	M	56	32·5	46·9	39·7	- 2·0	22	15th	59	8th	39·2	40·7	—	20	2·80	+0·93	0·72	25th	102	+ 1	26	
		Rugby	—	379	32·0	45·4	38·7	- 2·7	24	13th	55	8th, 23rd,	—	—	20	20	2·79	—	0·64	25th	—	—	—	
	¶	Raunds	M	210	32·5	46·7	39·6	- 2·2	20	15th	61	8th	—	—	—	21	2·88	—	0·87	25th	—	—	—	
		Winslow	—	379	33·1	45·1	39·1	—	25	15th	54	23rd	—	—	17	21	2·60	—	0·68	25th	—	—	—	
	¶	Hereford	M	291	32·9	47·2	40·1	- 2·2	25	5th	59	8th	—	—	17	23	3·38	+1·72	0·98	24th	—	—	—	
	¶ §	Cirencester	—	446	31·5	45·2	38·4	- 2·5	19	5th	55	23rd	—	—	18	16	2·75	+0·74	0·76	24th	93	- 23	25	
		Epsom	—	160	33·1	47·5	40·3	—	20	20th	60	24th	—	—	21	21	3·48	—	0·74	5th	—	—	—	
		Wokingham	—	216	31·1	47·0	39·1	—	18	20th	56	24th	—	—	—	17	2·87	—	0·56	25th	—	—	—	
		Maidenhead	—	99	33·5	48·4	41·0	—	24	15th	58	23rd, 24th	—	—	26	19	3·01	+1·32	0·59	3rd	—	—	—	
	¶ §	Marlborough	—	424	31·2	45·4	38·3	- 2·8	20	5th	56	23rd	—	—	23	21	3·43	+1·21	1·12	3rd	81	- 24	22	
	¶	Swarraton	M	310	32·3	46·1	39·2	- 1·9	22	5th	55	8th	—	—	—	17	3·41	+1·23	0·56	3rd	—	—	—	
	¶ §	Margate	—	35	36·6	45·7	41·2	- 1·2	32	16th, 21st	58	24th	39·9	41·6	2	20	2·03	+0·60	0·32	16th	109	- 13	30	
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	21	2·14	—	0·36	16th	112	—	31	
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	112	—	31	
5. ENGLAND, S.E.	¶ §	Wisley	—	150	33·9	46·5	40·2	- 1·8	23	15th	56	24th	40·2	42·4	19	20	3·06	—	0·54	5th	111	—	30	
	¶ §	Tunbridge Wells	M	421	33·0	45·6	39·3	- 2·3	25	15th	56	24th	39·8	—	23	18	3·11	+1·07	0·65	5th	121	- 1	33	
		Folkestone	—	121	34·6	44·2	39·4	—	26	21st	50	23rd	—	42·7	—	18	1·57	-0·26	0·28	5th	102	—	28	
	§	Littlestone-on-Sea	—	—	—	—	—	—	—	—	—		—	—	—	—	—	—	—	—	110	—	30	
		Bexhill	—	27																		—		
	§	Worthing	—	36	35·0	46·2	40·6	- 1·6	28	21st	52	28th	41·2	43·4	12	16	2·14	+0·47	0·40	22nd	143	—	39	
		Bognor	—	20	35·9	46·2	41·1	—	28	15th	53	8th	—	44·5	15	19	2·12	—	0·42	5th	146	—	40	
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	138	—	36	
		Totland Bay	—	150	35·7	46·4	41·1	- 1·4	29	5th	53	23rd	—	—	—	17	3·01	+1·27	0·71	5th	136	—	37	
		Bournemouth	—	145	35·1	47·5	41·3	—	27	5th	57	23rd	40·9	42·5	—	16	3·43	—	0·75	3rd	125	—	34	
		Weymouth	—	21	36·2	47·5	41·9	—	28	5th	55	23rd	—	—	—	19	2·36	—	0·58	5th	126	—	35	
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	32·4	43·2	37·8	—	23	20th	52	23rd	—	—	15	18	4·43	—	0·93	8th	87	—	24	
	¶	Kilmarnock	—	90	33·3	44·9	39·1	- 2·1	27	20th	53	23rd	—	—	—	18	4·06	—	0·85	24th	89	—	25	
7. ENGLAND, N.W.		Carnforth	—	174	33·4	44·6	39·0	—	25	20th	51	27th	—	—	20	22	3·29	—	0·63	24th	97	—	27	
		Darwen	—	710	31·5	42·4	37·0	—	24	20th	53	23rd	38·0	40·0	18	19	3·78	—	0·71	25th	81	—	22	
		Burnley	—	459	32·7	43·1	37·9	—	24	20th	52	8th	37·4	39·8	21	19	3·66	—	0·68	24th	83	—	23	
	§	Hoylake	—	30	35·6	46·2	40·9	—	26	20th	54	8th, 27th	—	—	13	20	2·84	—	0·75	24th	108	—	30	
		Rhyl	—	30	35·6	—	—	—	27	5th, 20th	—	—	—	—	—	18	2·68	+1·03	0·87	24th	107	—	29	
	¶	Hawarden Bridge	—	22	34·3	46·1	40·2	- 2·7	22	20th	58	29th	—	—	—	22	2·82	+1·35	0·71	24th	—	—	—	
		Towyn	—	10	35·9	46·8	41·4	—	27	4th, 5th	51	23rd	42·0	46·6	17	23	3·98	—	1·43	24th	123		34	
	§	Aberdovey	—	22	37·8	46·3	42·1	—	32	4, 5, 20	51	22nd, 23rd	—	—	—	21	3·93	—	1·32	24th	113	—	31	
8. ENGLAND, S.W.	§	Aberystwyth	—	59	38·8	45·3	42·1	—	33	1st, 2nd	51	22nd	—	—	—	—	—	—	—	—	104	—	28	
		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	125	—	34	
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	137	- 2	38	
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	113	—	31	
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	9	3·06	—	0·85	24th	—	—	—	
		" "		900	—	—	—	—	—	—	—	—	—	—	—	15	3·57	—	0·80	24th	—	—	—	
	¶	Cardiff	—	50	34·5	45·9	40·2	- 3·1	26	5th	54	23rd	39·8	42·3	14	22	3·25	+0·35	0·89	24th	108	—	30	
		Swansea	—	24	36·4	47·4	41·9	—	28	5th	54	23rd	—	—	18	19	4·74	—	1·21	24th	—	—	—	
	¶	Shaftesbury	M	722	33·7	44·2	39·0	- 1·9	28	18th	54	23rd	40·2	—	—	16	2·79	+0·61	0·50	22nd	—	—	—	
	¶	Arlington	—	613	33·6	45·5	39·6	- 1·6	26	5th	52	23rd	—	—	—	21	4·87	+1·16	0·92	24th	—	—	—	
	¶ §	Cullompton	M	202	33·9	48·2	41·1	- 2·6	23	5th	56	23rd	—	—	16	20	3·25	+0·83	0·53	5th, 24th,	113	- 8	31	
		Torquay	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	+ 9	41	
	§	Newquay	—	100	38·8	47·6	43·2	- 1·4	32	20th	54	22nd	44·2	—	—	20	3·98	+1·64	0·58	5th	141	+ 7	39	
		Salcombe	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	158	—	43	
		Penzance	—	54	39·7	49·8	44·8	—	32	5th	56	23rd	—	—	—	24	5·48	—	0·79	5th	162	—	44	

MONTHLY WEATHER CHARTS, MARCH, 1908.

1. BAROMETER AND WIND AT 8 A.M.

The dotted lines indicate the normal distribution of pressure in March, based on 35 years' observations, 1871-1905.

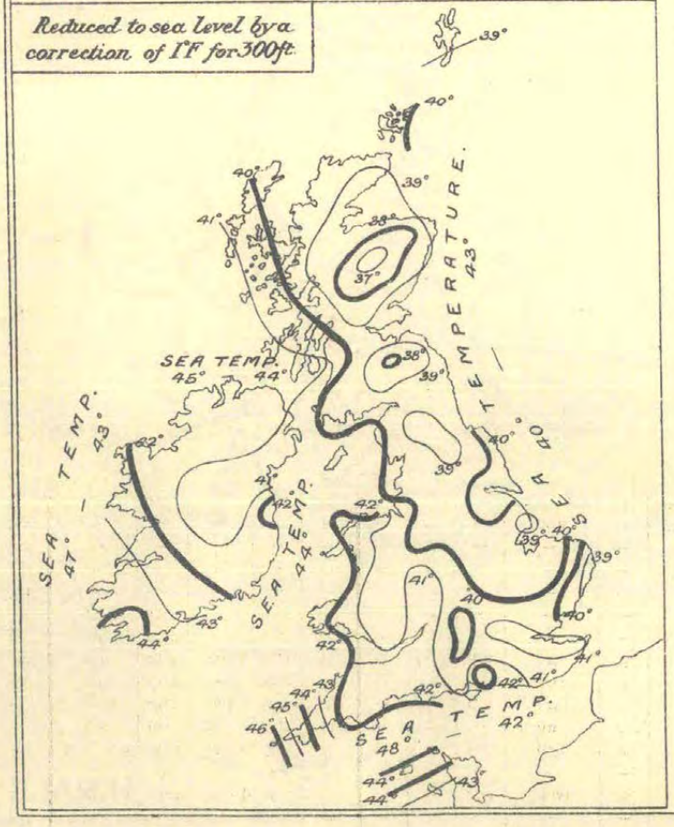


WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light moderate strong — 30 Obs = 1 inch

2. MOVEMENTS OF DEPRESSIONS.

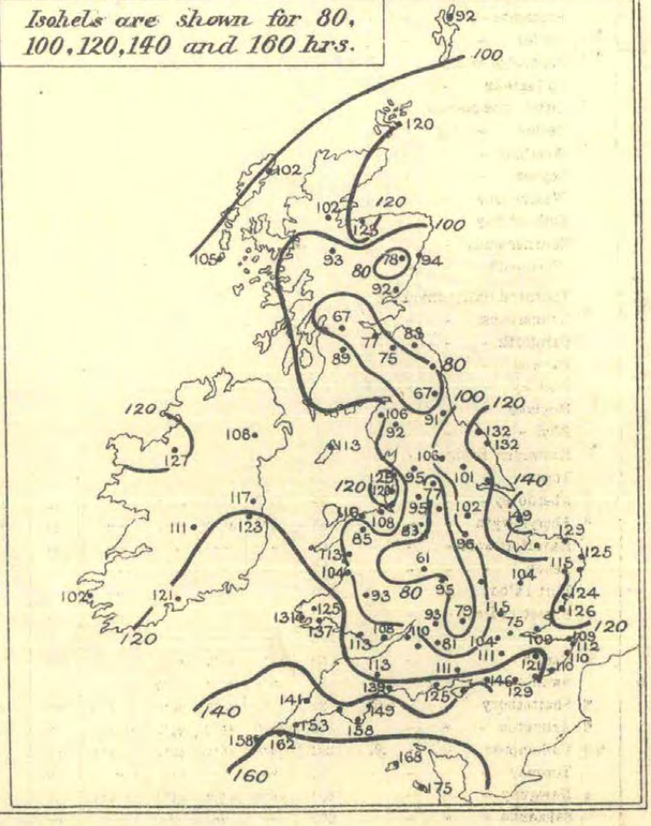
3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300ft.



4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 80, 100, 120, 140 and 160 hrs.



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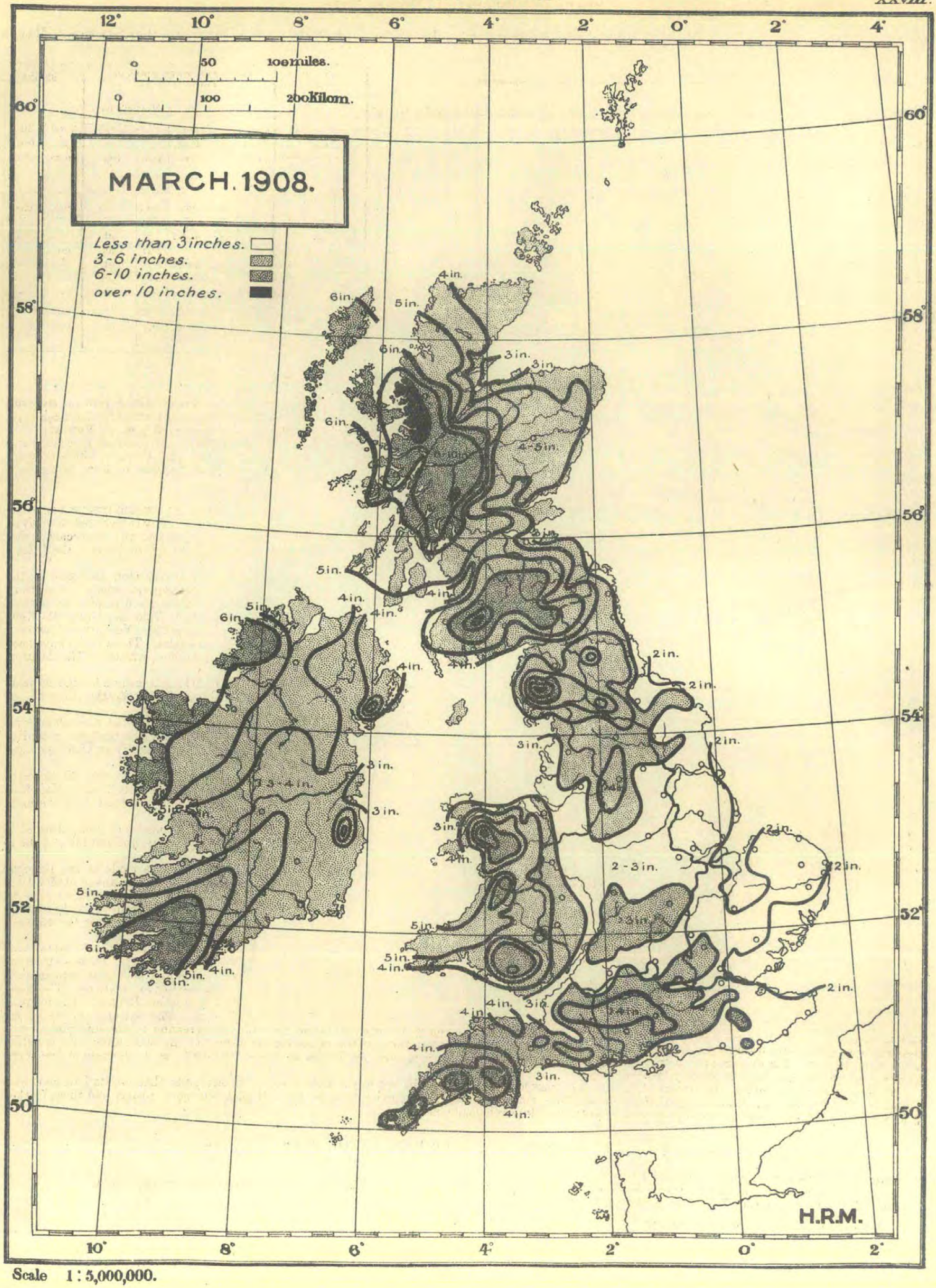

Scale 1 : 5,000,000.

TABLE VI (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, MARCH, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A (Min.)	Mean of B (Max.)	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dublin (Glasnevin) - -	67	33·8	48·0	40·9	- 1·5	25	5th	57	8th	—	—	—	22	2·61	+0·56	0·58	5th	—	—	—	—
	Clongowes Wood College -	237	31·4	47·5	39·5	—	22	20th	55	8th	—	—	19	22	2·31	—	0·47	5th	123	—	34	—
10. IRELAND, S.	¶ Kilkenny - - - -	212	34·1	47·6	40·9	- 2·3	23	5th	56	23rd	—	—	—	22	3·42	+1·25	0·58	5th	—	—	—	—
	¶ Cahir - - - ℳ	199	35·1	47·9	41·5	- 1·8	26	4th	55	8th	—	—	—	28	4·41	—	0·63	5th	—	—	—	—
	¶ Foynes - - - -	108	36·1	48·5	42·3	- 1·3	28	4th	55	8th	—	—	—	28	3·96	+1·15	0·55	5th	—	—	—	—
	§ Ballinacurra - - -	34	35·3	48·9	42·1	—	27	5th	54	23rd	—	—	—	23	4·01	—	0·80	21st	119	—	33	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) -	180	39·3	49·1	44·2	- 0·8	32	5th	55	26th	—	—	—	21	3·46	+1·03	0·61	5th	170	+ 23	47	+ 7

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—Observations are made at **8 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.**, mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for latitude has not been applied. The values are for station level. They are the means of readings at 8 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the case of Brighton, Coventry, Llangammarch Wells, Portsmouth and Ventnor, where they are the means of the observations at 9 a.m. The difference from average is based upon the 8 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. At Brighton, Coventry, Portsmouth, Llangammarch Wells, and Camden Square, where observations of wind (and cloud) are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906, and in Appendix I. to the Daily Weather Report. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 1, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked ℳ is supplied by the Royal Meteorological Society, and that for stations marked $ is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

CORRECTIONS TO MONTHLY WEATHER REPORT FOR FEBRUARY, 1908.

Page XII.—District Value "0" should be 24°.
Page XV.—Guernsey, Brooklyn, No. of Days with Rain should be 17; Total Fall, 2·23 ins., and difference from average −0·54.
Page XV.—Southampton, No. of Fogs should be 2.

63, Victoria Street, London, S.W. April 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* No. IV. APRIL, 1908. [*Price 6d.* *Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The month was chiefly remarkable for the snowstorms of the week ending April 25th. The distribution of mean pressure for the month was also of an exceptional character. The region of lowest barometer values, below 29·9 ins., was over Heligoland Bay, while the highest means, above 30·1 ins., were over northern Iceland and northward, and out at the Azores. In the main, therefore, the type of conditions over the British Isles favoured the prevalence of winds from Polar directions. For a more detailed account of its weather features, the month may be conveniently divided into two principal periods—the first eighteen days, during which there were anticyclones covering the region from the Spanish Peninsula northward and north-eastward to Scandinavia; and the remaining twelve days, when high pressure had become established beyond the Arctic Circle, in the Iceland-Greenland region, while numerous depressions affected either the British Isles or the Continent, from Spain to the Baltic and Finland. The most disturbed and inclement weather occurred after the middle of the month.

The depressions which affected us in the earlier period were few and comparatively unimportant. One which appeared to the south-westward of Iceland on the 1st passed northward of the Faeröe, then down the North Sea, and dispersed near Heligoland on the 5th. As this system advanced the wind on our coasts veered from South-West to North, and freshened, but of the telegraphic reporting stations only Malin Head and Holyhead experienced the force of a gale, the former a strong South-Westerly gale in the night of the 2nd, the sole instance of a strong gale during the month. At the anemometrical stations there was no record of a mean hourly velocity of 44 miles in any hour throughout the month. Between the 2nd and the 5th small quantities of snow or hail fell in most parts of the country, and thunderstorms occurred over a considerable portion of England and in the north-west of Ireland. An aurora was seen in the north of Scotland on the 2nd, and at Dublin on the 4th. Temperature was moderate and there was little or no night frost.

A quiet anticyclonic spell followed, the barometer rising to 30·5 ins. at Roche's Point on the 6th and 7th, and above 30·6 ins. in Scotland, 30·65 ins. at Stornoway, on the 16th. Winds from between North-West, North and East, generally of little strength, blew on most days. There were some rain, hail or snow showers, but as a rule the period was fair to very fine and dry, with from ten to seventeen successive rainless days in some places. On a few occasions the thermometer rose to 60° and upwards at various stations, to 65° at Maidenhead on the 9th, and to 66° at Dumfries, and 68° at Crieff on the 17th. As a whole, however, the period was rather cold, with very numerous afternoon maxima below 50°, several below 45°, as low as 41° at Rugby on the 6th, and at Sumburgh Head on the 18th. Night frosts were also experienced extensively, rather severe in some cases, the shade minima ranging downwards to 23° at Barnet on the 9th, and at Maidenhead on the 13th.

The earliest symptoms of a change in the distribution of pressure were developed in the course of the 17th, with the transfer of the central space of the anticyclone north-westward from Scotland to take up a position in the Iceland region for the rest of the month. On the morning of the 17th the Baltic, from Bornholm to Memel, marked the separation between two high pressure systems, with very light Northerly breezes on the western side, and Southerly breezes on the eastern side. In the course of the day a complete cyclonic circulation was brought about, and the evening observations showed a well-marked depression. It remained over the Baltic until the evening of the 19th, growing deeper, and thus causing a considerable increase in the pressure gradient from Sweden to the British Isles and across to Iceland. Strong or high Northerly to North-Easterly winds were consequently set up over an extensive area, increasing to the force of a gale locally in Scandinavia and about Iceland. This air current, drawn from the Polar Seas, was exceedingly cold, and it started a period of exceptionally inclement weather for the time of year, sending the temperature down far below its normal level, and carrying snow and hail to all parts of the United Kingdom. The Easter holiday, which began under most favourable atmospheric conditions, was marred by the cold and snowstorms of Easter Sunday (April 19th) and subsequent days. The Baltic disturbance passed away northward across Finland on the 20th, but others visited our neighbourhood, and they resulted in worse weather. A depression appeared over southern Norway on the 20th, and on the 22nd it dispersed over the Baltic. On the afternoon of the 22nd a cyclonic circulation of light breezes formed over central England, expanding quickly so as to embrace nearly the whole country by evening, and in the course of the night it became a very complex disturbance. One barometric minimum passed from near Cambridge across to southern Sweden and dispersed on the evening of the 23rd. Another, starting from the western end of the English Channel on the morning of the 23rd, followed a circuitous path, up the North Sea, round the north of Scotland, and down the Atlantic beyond our western coasts. When this depression was near London, on the evening of the 23rd, a new one appeared near the Faeröe. It moved southward to the Channel Islands by the morning of the 25th, then curved northward across the eastern counties, and two days later it dispersed off the Firth of Forth. These disturbances were of no great depth, the lowest barometer for the month, down to nearly 29 ins., occurring in Shetland on the morning of the 25th, but the Arctic high pressure maintained its position and provided a constant supply of cold air.

The Polar winds during this period were frequently fresh or strong in force, but only Jersey, Brighton and Shoeburyness attained gale force in squalls on the 25th. Snow set in in the north-east of Scotland in the early hours of April 19th, and spreading very rapidly southward it reached southern England by the middle of the forenoon. Thenceforward for a whole week it was of daily occurrence in many parts of the kingdom, developing into widespread and rather heavy storms on the 23rd, and culminating in an April snowstorm of unprecedented severity on the next two days over England and Ireland. Traffic by road and rail was seriously delayed, either entirely suspended or trains were from one to three hours late. During a blinding fall of snow in the Solent in the afternoon of the 25th the mail-steamer "St. Paul" ran down H.M.S. "Gladiator," and many lives were lost. Much of the snow melted as it fell, or thawed rapidly, so that the actual depth of the fall cannot be accurately determined for any station. Several observers measured 4 ins. and upwards on the 23rd. A depth of 8 ins. was reported at Thetford, where the rain and snow yielded 0·9 in. of water. The largest amounts of water recorded were, for the 24th 1·2 in. at Southampton, and 1·4 in. at Swarraton; and for the 25th, 1 in. at Coventry, 1·1 in. at Stockbridge, 1·3 in. at Rugby and Leighton Park, Reading, 1·7 in. at Oxford, 1·9 in. at Pyrton Hill, 2·2 ins. at Salisbury, and 2·5 ins at Bucklebury Place, Reading. At 5 a.m. on the 24th the snow lay 6 ins. deep at Epsom, but by 9 a.m. it was only 4 ins., and at noon it had completely disappeared. On the morning of the 25th it was 14 ins. deep at Southampton, and over 10 ins. at Totland Bay, Isle of Wight; and next morning it was 11 ins. deep at Marlborough, 16 ins. at Oxford, and 19 ins. at Bucklebury Place, the observer thinking that the fall had amounted to 30 ins. The rapid melting of this great snowstorm brought about heavy floods in the Thames valley.

Intense cold accompanied these snowstorms, there being scores of instances of night shade temperatures of 25° and under, down to 16° at West Linton, 11° at Carlisle, 10° at Balmoral, and 9° at Garforth; even Scilly and Guernsey touched 33° and Jersey 32°. Afternoon maxima below 40° were almost as numerous, 34° as far south as Birmingham, 33° at Sumburgh Head, and 30° at Deerness; Scilly 45°.

From the 26th to the end, with a low pressure beyond Ireland, a southerly to south-easterly type prevailed, the snow gave place to rain, falls of more than an inch occurring in several localities in England and Ireland on each of the last four days of the month, and a good deal of fog setting in on the southern and western coasts. An auroral display was reported on the 28th in the north of Scotland.

On nearly all sections of our coasts the sea water was from 1° to 3° warmer than in March, at Margate 4° warmer. Between the Firth of Forth and the Wash the water and the air on shore had the same mean temperature, while on other coasts the water was the warmer, to the extent of 2° or 3° in some localities.

Rainfall.—There was a deficiency of precipitation over Scotland, southern Ireland and the English Channel, the loss at Laudale being as much as 2·3 ins. Generally over England and northern Ireland there was an excess, of as much as 2·1 ins. at Belfast and Reading, 2·2 ins. at Salisbury, 2·4 ins. at Hawarden Bridge, and 2·7 ins. at Oxford. The largest aggregates of rain and melted snow were 5·1 ins. at Glencarron, 4·4 ins. at Salisbury, 4·3 ins. at Oxford, and 4·1 ins. at Belfast, while the smallest were in the north and east of Scotland, less than an inch at Strathpeffer, 0·9 in. at Crieff, and 0·8 in. at Dundee. The number of days on which precipitation was measured ranged from 23 at Belvoir Castle and Foynes, to 10 at Poltalloch and Thornton Hall, and 8 in the Forest of Dean.

Bright Sunshine.—The duration of sunshine was rather variable, being mostly in defect over the eastern, central and south-western parts of Britain, slightly in excess elsewhere. Marchmont returned a loss of 50 hours, and Durham 43 hours, while Markree Castle had a gain of 24 hours, and the Isle of Man 22 hours. The highest record was at Douglas, 202 hours, or 48 % of the possible duration; the smallest, at Hull, 59 hours, or 14 % of the possible.

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TABLE VII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·816	+ ·123	35·1	44·6	39·9	−1·6	23	23rd	51	27th	40·1	41·2	2·1	2·4	·206	·210	83	82	—	—
	§ Deerness – – –	163	29·797	—	36·0	44·6	40·3	−2·1	24	24th	50	27th	41·5	39·4	2·2	1·6	·219	·211	83	86	—	—
	¶ § Stornoway – –	52	29·937	+ ·159	36·3	47·5	41·9	−1·3	25	24th, 25th	55	29th	41·9	43·5	2·0	2·4	·226	·231	86	81	—	—
	Castlebay – – –	38	29·916	+ ·145	39·0	46·5	42·8	−2·1	27	24th	54	16th	42·3	44·3	2·4	2·9	·220	·229	82	78	—	—
Mainland.	¶ Wick – – –	80	29 881	+ ·127	34·8	46·7	40·8	−2·3	23	24th	53	2nd, 14th	40·1	41·4	2·0	2·1	·208	·218	84	84	—	—
	¶ Lairg – – §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ Strathpeffer – –	210	29·754	—	33·9	48·5	41·2	−2·4	20	24th	57	17th	42·7	38·9	3·4	2·1	·205	·196	75	84	—	—
	¶ Glencarron – §	504	29·438	—	33·0	46·9	40·0	−2·9	20	23, 24, 25th	57	17th	40·8	38·6	3·1	2·5	·195	·187	77	80	—	—
	¶ § Fort Augustus §	78	29·923	—	34·0	46·9	40·5	−4·0	20	24th, 25th	56	29th	41·2	41·3	2·7	2·9	·205	·202	80	78	—	—
	¶ Fort William – §	88	29·955	—	34·6	48·8	41·7	−3·4	20	25th	60	17th	42·3	41·1	4·0	3·3	·192	·193	72	76	—	—
	District Value –				**34·6**	**46·9**	**40·5**	**−2·4**	**20**		**60**											
1. SCOTLAND, E.																						
	Dunrobin Castle §	16	29·955	—	35·6	46·3	41·2	−2·6	25	23rd, 24th	56	17th	42·0	40·2	2·8	2·3	·207	·203	78	82	44·5	—
	¶ § Nairn – – –	82	29·884	+ ·132	34·0	48·6	41·3	−2·8	18	24th	59	29th	39·7	43·5	2·4	3·4	·198	·212	80	75	—	—
	¶ Gordon Castle §	107	29·854	—	33·5	48·2	40·9	−3·4	20	24th	60	7th	42·9	39·7	3·6	2·1	·203	·203	74	83	—	—
	¶ § Aberdeen – –	90	29·896 29·885	+ ·115 + ·111	36·7	45·5	41 1 41·0	−2·7 −1·9	22	24th	57	17th	41·7	40·4	2·9	2·0	·206	·211	79	84	—	41·7
	Tillypronie – §	1120	28·767	—	30·2	45·3	37·8	−3·0	14	24th	61	17th	38·0	35·2	2·0	1·3	·190	·181	83	88	—	—
	¶ Balmoral– – §	927	—	—	30·1	44·5	37·3	−3·4	10	24th	54	17th	38 5	—	1·9	—	·196	—	85	—	—	—
	Dundee – – §	164	29·817	—	34·7	47·7	41·2	−0·1	21	24th	63	17th	42·0	40·0	2·3	1·4	·220	·218	83	89	—	—
	¶ Crieff – – §	436	29·510	—	33·6	48·4	41·0	−3·8	17	24th	68	17th	41·7	39·7	3·5	2·9	·196	·189	74	77	—	—
	¶ Leith – – –	37	29·929	+ ·108	37·1	48·2	42·7	−2·6	17	25th	64	17th	41·9	45·3	2·2	2·9	·222	·239	85	79	—	—
	¶ § Marchmont – §	500	—	—	33·8	46·6	40·2	−3·0	20	25th	59	7th	40·7	38·7	2·4	1·8	·206	·200	81	86	41·6	—
	District Value –				**33·9**	**46·9**	**40·1**	**−3·2**	**10**		**68**											
2. ENGLAND, N.E.																						
Northern Part.	§ Cockle P'rk (Morpeth)	331	29·603	—	34·9	45·9	40·4	—	20	24th	58	2nd, 17th	41·4	39·1	0·8	0·3	·246	·236	94	97	40·9	41·6
	¶ Shields – – –	117	29·827	+ ·080	35·0	46·9	41·0	−3·2	23	24th	60	2nd	41·0	43·2	1·5	2·3	·225	·230	88	82	—	—
	Seaham – – –	188	29·815	—	38·0	46·6	42·3	−2·3	26	24th	57	2nd	42·8	40·9	2·4	1·8	·228	·222	82	86	—	—
	¶ § Durham – – –	352	29·575	—	34·9	47·2	41·1	−3·1	18	24th	57	17th	42·1	40·0	2·4	1·6	·222	·219	83	88	—	—
	Whitby – – –	145	29·780	—	36·5	50·5	43·5	−1·5	24	25th	62	2nd	44·4	41·4	2·8	1·8	·233	·230	79	86	—	—
	¶ Rounton – – M	245	29·684	—	34·9	46·8	40·9	−2·9	21	24th	61	8th	41·7	39·4	2·6	1·7	·211	·208	80	86	42·7	—
	¶ § Scarborough – M	100	29·812	—	38·7	48·5	43·6	−1·1	31	25th	56	2nd	44·3	43·1	3·2	2·6	·223	·224	76	80	—	44·0*
	¶ § York – – –	58	29·915	—	36·8	49·8	43·3	−2·6	23	24th	60	8th	43·2	41·9	2·5	2·1	·226	·224	81	85	43·2	42·8
Southern Part.	Hull – – –	2	29·942	—	36·9	48·9	42·9	−2·3	29	8th	60	2nd	43·9	42·2	2·5	1·9	·233	·229	81	86	43·2	42·7
	¶ Spurn Head – –	28	29·890	+ ·036	38·3	46·9	42·6	−2·2	32	24th, 25th	55	2nd	41·8	43·0	1·8	2·0	·227	·234	86	84	—	—
	§ Skegness (7 a.m.) –	16	29·937	—	35·9	46·9	41·4	—	27	9th	58	2nd	40·2	43·6	1·7	2·5	·215	·230	87	81	—	—
	¶ Lincoln – – –	42	—	—	36·0	49·6	42·8	−3·8	26	8th	61	30th	43·3	40·8	2·5	2·0	·230	·217	81	84	43·1	43·2
	District Value –				**36·2**	**48·1**	**41·9**	**−2·4**	**18**		**62**										**42·6**	**42·6**
3. ENGLAND, E.																						
Northern Part.	¶ § Cromer – – –	139	—	—	36·8	47·1	42·9	—	26	25th	56	2nd	42·5	—	2·2	—	·226	—	83	—	—	—
	¶ § Hillington – M	92	—	—	35·4	48·8	42·1	−4·0	26	9th	59	30th	43·6	40·6	2·5	1·5	·230	·222	81	88	—	—
	¶ Norwich – – –	93	—	—	36·5	49·4	43·0	—	28	25th	60	9th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	29·891	+ ·036	38·0	47·3	42·7	−2·1	32	23rd, 25th	58	30th	42·2	43·4	2·4	2·5	·219	·228	83	80	45·0	45·9
	Lowestoft – M	75	29·849	—	36·8	46·4	41·6	−3·6	31	24th	56	2nd	44·0	40·9	2·9	1·8	·225	·218	78	85	44·4	44·2
	¶ § Geldeston – –	47	29·881	—	36·2	49·0	42·6	−3·2	29	25th	59	9th	44·4	41·0	2·9	1·5	·230	·225	79	88	—	—
Southern Part.	¶ § Cambridge – –	43	29·897	—	35·5	50·9	43·2	−3·8	26	9th	59	2nd	43·3	41·0	2·9	1·7	·222	·225	79	87	44·8	45·1
	Woburn – – –	294	29·654	—	35·0	50·0	42·5	—	26	9th	61	9th	42·2	41·0	2·5	1·7	·220	·227	81	87	—	—
	Bennington – M	411	29·531	—	35·0	49·9	42·5	−3·6	29	24th	62	9th	42·0	39·7	2·6	1·5	·214	·214	80	88	43·9	43·8
	¶ § Clacton – – –	62	29·867	—	37·1	48·9	43·0	−3·7	30	20th	60	30th	43·5	41·7	2·3	1·7	·235	·230	83	86	44·6	45·7
	Berkhamsted – M	397	29·528	—	35·3	50·6	43·0	−3·2	26	9th	62	29th	42·5	40·3	2·7	1·4	·216	·221	79	88	45·3	—
	District Value –				**36·5**	**49·1**	**42·5**	**−3·1**	**26**		**63**										**44·7**	**45·0**
4. MIDLAND COS.																						
Eastern Part.	Garforth – – –	198	—	—	34·6	49·7	42·2	—	9	24th	58	30th	42·6	39·3	2·3	1·6	·227	·211	82	86	42·7	42·6
	Huddersfield – –	411	29·510	—	35·3	47·8	41·6	—	19	24th	60	8th	41·4	39·9	2·4	1·5	·215	·220	82	88	41·9	41·1
	Wakefield – M	100	29·850	—	36·4	49·5	43·0	−2·4	20	24th	59	30th	42·6	43·1	2·7	2·6	·217	·224	79	81	—	—
	Belvoir Castle– –	276	29·659	—	35·5	47·9	41·7	−4·2	26	8th	57	2nd, 30th	41·7	39·8	2·1	1·1	·221	·223	85	92	—	42·7*
	Coventry – –	309	29·628	—	36·1	50·4	43·3	−3·7	27	24th	63	30th	42·4	—	2·9	—	·212	—	79	—	43·8	44·8
	¶ § Nottingham – –	85	29·857	+ ·048	36·0	48·9	42·5	−3·9	25	8th	58	2, 29, 30th	41·1	44·0	1·9	2·5	·218	·234	85	81	42·0	41·8
	¶ § Birmingham – –	542	29·367	—	36·0	49·2	42·6	−3·1	27	24th	60	9th	40·2	41·9	2·5	2·7	·203	·215	81	80	41·5	43·2
	¶ § Oxford – – –	212	29·740 29·727	+ ·056 + ·028	36·0	50·6	43·3	−3·8	27	24th	61	9th, 29th	41·5 43·0	42·8 —	2·4 2·9	— —	·213 ·217	— —	82 79	— —	— —	— —
	¶ § Bath – – –	84	29·863	+ ·050	36·8	51·7	44·3	−3·4	26	8th	62	29th	43·0	48·9	2·5	—	·225	—	81	—	45·5	46·4
Western Part	¶ Shrewsbury – –	212	29·746	—	35·2	51·7	43·5	−2·6	26	25th	62	30th	43·2	41·6	3·4	2·1	·214	·224	76	84	—	—
	Buxton – – M	977	28·886	—	33·4	46·0	39·7	−3·3	20	24th	58	8th	40·7	37·7	2·9	1·6	·196	·195	77	86	42·4	41·7
	§ Sheffield – – –	450	29·492	—	36·1	48·2	42·2	−4·0	25	24th	59	2nd	42·3	40·9	2·8	1·9	·215	·221	80	85	41·4	41·7
	Stokesay– – –	375	29·573	—	34·8	50·5	42·7	—	24	24th	62	8th	44·1	39·9	2·9	1·3	·227	·220	77	90	—	—
	Cheltenham – M	206	29·748	—	36·7	50·4	43·6	−2·9	28	24th	61	29th	44·0	42·9	2·8	2·0	·228	·233	79	84	—	—
	District Value –				**35·4**	**50·0**	**42·4**	**−3·2**	**9**		**65**										**42·6**	**42·9**

For notes see p. xxxix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of APRIL, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.					WEATHER. No. of Days of								WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (Force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																				
—	—	—	—	6·2	6·7	17	1·26	−0·80	0·32	2nd	1	0	0	1	13	0	—	0	14	4	16	12	5	6	3	2	7	5	Sumburgh Head.
168	+19	39	+ 4	6·6	4·8	17	2·28	+0·36	0·35	4th	4	7	0	4	9	0	—	1	34	3	16	5	5	10	6	1	6	8	Deerness.
158	− 1	37	0	6·3	6·5	20	2·88	+0·20	0·61	2nd	6	3	0	4	13	0	—	1	42	1	11	10	4	9	6	6	4	9	Stornoway.
186	—	44	—	7·9	7·8	21	2·10	—	0·43	30th	4	3	0	1	18	5	—	0	23	0	12	5	8	11	4	3	4	13	Castlebay (Barra Isd.)
—	—	—	—	7·8	6·8	19	2·14	+0·32	0·25	8th, 26th	4	0	0	0	10	2	—	0	23	0	19	4	6	3	17	5	0	6	Wick.
—	—	—	—	—	—	—	? 2·44	+0·03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
130	−12	31	− 2	6·2	4·5	14	0·97	−0·82	0·35	8th	5	0	0	4	5	0	—	1	7	16	8	4	12	4	2	2	3	9	Strathpeffer.
—	—	—	—	6·9	4·3	19	5·05	−0·26	1·87	3rd	3	0	0	4	10	0	—	0	29	1	20	1	22	0	2	0	14	0	Glencarron.
114	− 2	27	0	6·3	6·3	13	1·42	−0·85	0·39	2nd	4	1	0	1	8	1	—	0	17	7	7	16	7	0	8	11	4	0	Fort Augustus.
—	—	—	—	7·3	5·1	14	2·44	−1·36	1·06	2nd	5	3	0	4	12	3	—	0	6	11	1	23	1	3	3	10	6	2	Fort William
143	**+ 4**	**34**	**+ 1**	**6·8**	**5·9**	**17**	**2·52**	**−0·43**	**1·87**																				
—	—	—	—	—	—	11	2·31	+0·34	0·60	3rd	3	1	0	—	—	0	—	0	1	9	2	17	8	6	2	4	5	7	Dunrobin Castle.
138	—	33	—	7·1	7·4	18	1·09	−0·18	0·28	8th	3	2	0	0	15	3	—	0	3	3	6	6	15	7	3	5	10	5	Nairn.
—	—	—	—	7·6	6·6	14	2·63	+0·93	0·73	3rd	2	5	0	1	11	0	—	0	4	0	6	10	3	10	9	4	3	15	Gordon Castle.
154	− 1	36	− 1	7·1	6·3	17	1·88	−0·21	0·52	8th	7	1	0	0	10	0	—	0	14	5	9	5	4	10	8	1	3	15	Aberdeen.
—	—	—	—	7·1	6·4	20	3·41	+1·25	0·65	4th	9	0	0	3	12	3	19	4	51	0	16	8	1	10	5	4	5	11	Tillypronie.
—	—	—	—	6·1	—	17	2·56	+0·33	0·63	4th	6	1	0	7	15	3	22	1	1	0	6	0	0	0	8	6	36	4	Balmoral.
—	—	—	—	8·1	8·4	14	0·82	−1·15	0·33	8th	3	3	0	1	17	0	—	2	11	0	3	21	3	15	0	9	1	8	Dundee
—	—	—	—	5·8	6·5	12	0·93	−1·35	0·27	8th	5	1	0	3	10	1	—	0	19	0	2	16	26	1	0	0	11	4	Crieff.
—	—	—	—	6·5	7·1	18	1·88	+0·47	0·52	23rd	4	1	0	1	11	0	—	0	2	0	6	8	14	8	1	4	10	9	Leith.
91	−50	22	−12	7·4	7·6	15	1·94	−0·37	0·40	4th	7	4	0	2	15	0	14	0	3	0	16	6	22	2	1	1	10	2	Marchmont.
122	**−23**	**29**	**− 5**	**7·0**	**7·0**	**17**	**1·85**	**−0·04**	**0·73**																				
105	—	25	—	8·0	7·5	20	2·38	+0·33	0·43	4th	7	4	0	0	15	0	14	1	15	2	3	13	4	11	0	3	12	12	Cockle Park (Morpeth).
—	—	—	—	8·1	8·4	19	2·63	+1·04	0·63	26th	4	3	0	0	16	1	—	0	13	1	14	10	8	6	4	6	4	7	Shields.
—	—	—	—	7·9	7·1	15	2·44	+0·66	0·41	26th	9	3	0	1	16	0	—	0	24	3	11	14	6	10	1	4	5	6	Seaham.
90	−43	22	−10	8·6	8·1	17	2·79	+0·94	0·52	26th	7	4	0	1	20	1	9	0	6	13	12	10	9	2	1	5	4	4	Durham.
116	—	28	—	6·3	6·9	16	1·87	+0·19	0·40	30th	3	0	0	2	12	0	—	0	3	0	7	15	0	17	0	11	1	9	Whitby.
—	—	—	—	8·0	7·9	18	2·72	+1·06	0·43	25th	8	0	0	0	17	1	12	2	18	7	11	18	1	4	9	5	2	3	Rounton.
127	—	30	—	8·0	8·6	14	1·84	+0·07	0·48	30th	5	1	0	0	18	3	—	1	37	0	7	28	1	9	3	3	1	8	Scarborough.
113	−23	27	− 6	7·2	6·6	20	2·00	+0·29	0·33	30th	9	2	0	0	13	0	—	0	2	0	23	7	5	5	7	1	7	5	York.
59	—	14	—	8·0	7·1	21	2·59	+0·91	0·57	30th	7	2	0	2	16	1	11	0	2	8	7	22	4	5	1	1	2	10	Hull.
—	—	—	—	6·6	6·5	15	1·97	+0·84	0·60	30th	3	4	0	2	13	1	—	0	40	0	15	14	10	2	3	5	5	6	Spurn Head.
149	—	36	—	6·7	6·5	18	2·69	—	0·59	27th	4	1	0	3	13	1	—	0	20	0	8	15	12	4	2	4	9	6	Skegness.
—	—	—	—	7·5	6·9	20	2·69	+1·13	0·72	25th	5	0	0	1	16	1	—	0	4	1	5	10	13	5	2	6	4	14	Lincoln.
120	**−33**	**29**	**− 8**	**7·6**	**7·3**	**18**	**2·37**	**+0·79**	**0·73**																				
135	—	33	—	7·7	—	18	1·97	—	0·40	23rd	4	0	1	—	—	0	—	0	21	1	11	20	3	4	4	6	5	6	Cromer.
119	−35	29	− 8	7·7	6·9	21	3·64	+1·94	0·44	30th	6	6	1	1	14	0	16	0	9	3	11	17	9	8	0	2	5	5	Hillington.
—	—	—	—	—	—	19	2·67	—	0·81	23rd	—	—	—	—	—	—	10	—	—	—	—	—	—	—	—	—	—	—	Norwich.
161	—	39	—	7·2	6·8	17	2·61	+0·97	0·75	23rd	4	2	1	0	11	0	—	1	36	0	14	16	6	3	2	4	8	7	Yarmouth.
159	—	38	—	6·5	4·5	14	2·39	+0·84	0·79	23rd	6	3	1	6	8	0	6	3	32	0	5	17	15	2	2	5	8	6	Lowestoft.
134	−27	32	− 7	7·3	6·3	17	2·43	+0·88	0·75	23rd	6	6	2	3	11	0	—	0	2	0	13	13	8	4	4	4	10	4	Geldeston.
143	−17	35	− 4	8·0	5·8	19	2·28	+0·77	0·90	23rd	5	7	2	1	13	1	19	0	16	9	9	12	1	6	1	9	3	10	Cambridge.
—	—	—	—	8·2	6·8	20	3·74	—	0·80	23rd	5	0	0	1	19	0	—	0	23	5	10	18	5	1	3	5	8	5	Woburn.
—	—	—	—	7·9	7·2	18	2·58	+0·82	0·76	23rd	6	4	2	0	17	2	13	0	1	12	7	17	3	5	0	4	9	3	Bennington.
171	—	42	—	6·4	6·0	12	2·14	—	0·73	23rd	5	5	2	2	8	1	18	0	24	2	14	11	3	4	6	4	7	9	Clacton.
139	—	33	—	7·6	6·3	20	3·55	+1·69	0·91	23rd	6	9	0	2	13	1	16	0	1	5	16	10	2	2	2	5	9	9	Berkhamsted.
146	**−14**	**35**	**− 4**	**7·5**	**6·3**	**17**	**2·57**	**+1·02**	**0·91**																				
118	—	28	—	7·0	6·7	17	2·60	—	0·59	28th	5	1	0	3	13	0	—	0	3	9	5	19	11	4	1	0	7	4	Garforth.
90	—	22	—	7·5	7·3	22	2·17	—	0·38	28th	8	2	1	2	17	0	9	0	14	4	16	6	6	4	2	3	13	6	Huddersfield.
—	—	—	—	7·0	7·2	16	2·24	+0·35	0·61	28th	7	3	1	0	14	1	—	0	1	1	12	19	6	2	1	3	13	3	Wakefield.
123	—	30	—	7·2	6·7	23	2·23	+0·42	0·46	28th	8	6	2	1	13	3	13	0	24	9	14	11	2	3	5	7	3	6	Belvoir Castle.
124	—	30	—	7·7	—	20	3·66	+1·95	1·00	25th	9	2	0	3	18	0	12	0	12	14	8	10	8	4	0	2	8	6	Coventry.
117	—	28	—	7·9	7·4	19	2·07	+0·40	0·62	28th	5	5	1	1	16	3	9	0	6	1	7	19	10	1	2	3	11	6	Nottingham.
88	—	21	—	7·8	6·2	15	2·34	+0·47	0·75	28th	6	0	0	2	14	0	16	0	15	4	11	17	7	4	5	2	3	7	Birmingham.
131	−20	32	− 5	6·9 7·1	7·4 —	14	4·28 4·31	+2·66 +2·55	1·66	25th	5	2	1	1	15	0	14	0	21	2	14	17	2	3	4	6	8	4	Oxford. Bath.
157	—	38	—	7·8	5·1	14	2·95	+0·84	0·55	29th	—	—	—	2	12	—	—	—	24	1	8	19	4	2	1	3	17	5	Shrewsbury.
—	—	—	—	7·5	5·6	16	2·41	—	0·62	28th	4	1	0	3	12	0	14	0	15	3	6	9	1	14	2	0	8	17	Buxton.
110	—	27	—	7·2	6·6	21	3·31	+0·44	0·52	29th	11	7	0	3	12	0	11	0	6	6	9	5	13	4	1	3	6	13	Sheffield.
102	—	25	—	7·9	7·7	17	2·36	+0·15	0·45	28th	7	1	0	0	16	2	6	0	3	7	16	12	1	6	3	3	3	9	Stokesay.
—	—	—	—	7·5	5·7	17	3·31	—	0·95	27th	5	2	0	2	13	0	17	1	10	16	15	10	0	4	3	3	3	6	Stokesay.
129	—	31	—	7·9	6·5	14	2·00	+0·06	0·35	28th, 29th	5	0	0	1	14	0	16	0	8	5	6	12	3	4	3	9	3	15	Cheltenham.
120	**−26**	**29**	**− 6**	**7·5**	**6·6**	**17**	**2·71**	**+0·94**	**1·66**																				

TABLE VII. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth.	Earth Temperature. At 4 feet depth.
			ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
5. ENGLAND, S.E.		**Reading**	264	29·665	—	35·4	51·1	43·3	—	26	26th	62	16th, 29th	43·1	41·6	2·5	1·8	·225	·226	81	86	—	—
		Salisbury	186	29·754	—	35·0	51·2	43·1	-4·0	28	24th	63	30th	44·4	42·7	2·1	1·4	·246	·244	84	88	46·1	—
		Dover	231	29·653	+·007	37·5	49·6	43·6	—	29	21st	59	30th	42·9	43·4	2·1	2·4	·232	·230	85	81	44·4	44·7
		Brighton	48	29·881	—	38·9	51·2	45·1	-2·5	32	24th, 26th	60	16th	45·6	—	3·2	—	·236	—	78	—	—	44·7
	§	**Eastbourne**	36	29·893	—	39·7	50·7	45·2	-2·4	34	24th	58	16th	45·7	43·5	2·9	2·1	·246	·242	80	84	45·9	45·9
		Portsmouth	18	29·937	—	38·8	52·4	45·6	-1·9	32	24, 25, 26th	64	30th	46·3	—	3·2	—	·243	—	78	—	46·6	46·9
	¶	Dungeness	21	29·871	+·005	38·8	49·5	44·2	-2·3	30	24th	54	1, 2, 16th	44·2	45·9	2·2	2·5	·242	·254	83	83	—	—
	¶	**Hastings**	174	29·739	—	38·1	49·9	44·0	-3·0	32	21st, 24th	57	16th	44·2	41·8	2·9	2·0	·228	·225	78	85	45·5	45·1
	¶ §	**Southampton**	84	29·875	—	38·1	53·4	45·8	-2·6	31	24th	65	16th	46·9	44·1	4·0	2·5	·237	·239	74	82	—	—
	¶ §	*Ventnor*	80	29·841	—	38·9	52·1	45·5	-2·7	31	24th	60	30th	45·8	—	3·5	—	·233	—	76	—	—	—
		District Value				**37·4**	**50·7**	**43·8**	**-3·0**	**22**		**66**										**44·8**	**45·1**
LONDON	¶ §	**Tottenham**	55	29·880	—	37·9	51·6	44·5	-3·3	30	9th, 24th	61	29th	44·7	42·8	2·3	1·2	·248	·253	83	90	—	45·0
		Camden Square	123	29·818	—	37·3	53·4	45·4	-3·1	28	9th	66	30th	44·7	43·5	2·6	2·1	·238	·237	81	83	43·6	43·3
		Westminster	54	29·868	+·024	38·4	51·4	44·9	-3·0	31	24th	62	29th	42·8	47·1	2·6	4·3	·221	·228	80	71	—	—
		Greenwich	159	29·772 29·759	— +·011	36·8	51·7	44·3 43·6	-3·8 -3·7	28	9th	62	29th	44·4	42·0	3·3	2·4	·222	·218	75	82	—	44·1
		Norwood	235	29·726	—	37·1	51·7	44·4	-3·1	29	9th	64	29th	44·7	42·2	3·5	2·4	·221	·208	75	77	44·2	—
	¶ §	**Kew**	34	29·918 29·905	+·036 +·033	38·0	50·9	44·5 44·0	-2·9 -2·9	28	9th	62	29th	44·0	43·3	3·6	3·0	·213	·218	73	78	44·1	44·9
		Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶	**Laudale**	25	29·958	—	35·7	49·7	42·7	-2·9	24	25th	59	16th	44·9	42·1	2·7	1·8	·243	·235	81	86	—	—
	¶	**Poltalloch**	135	29·847	—	34·0	50·2	42·1	-3·0	20	24th, 25th	61	16th	44·1	39·9	3·9	2·2	·208	·203	71	83	—	—
	¶ §	**Glasgow**	184	29·786	—	36·5	48·0	42·3	-2·6	23	24th	62	17th	42·2	41·8	3·8	2·8	·198	·211	72	78	—	—
	¶	**Rothesay**	76	29·908	—	37·1	50·5	43·8	-1·8	24	24th	61	17th	43·6	41·8	3·4	2·8	·213	·209	75	79	—	43·4
	¶	**Colmonell**	140	29·848	—	34·8	49·5	42·2	-3·3	18	25th	58	16th	43·9	—	2·7	—	·229	—	80	—	—	—
6.	¶	**Dumfries**	60	29·917	—	35·4	51·6	43·5	-2·4	22	25th	66	17th	43·3	44·3	3·5	3·6	·208	·216	75	73	—	—
	¶	**Cally**	120	—	—	33·7	50·9	42·3	-2·7	21	24th	65	17th	44·9	39·2	2·1	2·0	·251	·201	85	84	—	—
ISLE OF MAN	¶ §	**Douglas**	140	29·830	—	37·0	48·9	43·0	-2·4	23	24th	58	17th	44·4	41·3	2·9	1·9	·233	·223	79	85	—	—
		District Value				**35·4**	**49·9**	**42·5**	**-2·2**	**18**		**66**											
		Southport	42	29·940	—	36·8	50·2	43·5	-2·4	26	24th	60	29th	44·5	41·8	3·5	2·2	·219	·221	74	84	44·9	44·7
		Manchester (City)	195	29·764	—	38·0	49·7	43·9	—	27	24th	60	17th	43·1	42·8	2·9	2·4	·222	·229	79	82	41·7	43·2
		„ **(Whitworth P'k)**	127	29·821	—	37·5	50·1	43·8	—	22	24th	60	29th	42·6	42·6	3·4	2·9	·203	·214	74	79	—	—
ENGLAND, N.W.	¶ §	**Aspatria**	254	29·702	—	35·5	48·6	42·1	-3·1	20	25th	59	17th	42·8	40·3	2·9	1·8	·218	·216	78	85	—	—
	¶ §	**Newton Rigg**	559	29·350	—	34·0	47·6	40·8	-3·6	20	25th	61	17th	40·8	40·2	2·5	2·2	·205	·205	80	83	42·9	41·8
	¶ §	**Stonyhurst**	363	29·575	—	36·0	48·3	42·2	-3·0	25	24th	58	17th	42·6	40·4	2·9	2·1	·216	·211	78	82	—	—
7.	¶ §	**Blackpool** M	73	29·905	—	36·5	49·0	42·8	-3·0	26	24th	58	29th	44·6	41·2	2·4	1·1	·241	·235	82	92	—	44·0
	¶	**M'nch't'r (Prestwich)**	320	29·611	—	35·3	49·6	42·5	-3·0	24	24th	59	17th	42·3	42·3	1·4	1·4	·240	·240	89	89	—	—
	¶	**Liverp'l, Bidston Obs.**	197	29·753	—	37·8	48·6	43·2	-3·4	28	24th	57	29th, 30th	43·0	42·1	3·0	2·6	·215	·215	78	81	—	—
	¶ §	**Llandudno** M	21	29·970	—	39·1	49·1	44·1	-3·0	29	24th	60	30th	44·8	44·2	3·5	3·0	·222	·226	75	77	—	—
NORTH WALES	¶	Holyhead	48	29·916	+·084	38·8	47·7	43·3	-3·4	30	25th	55	27th, 29th	43·6	44·9	2·1	2·6	·239	·240	84	81	—	—
	¶ §	**Bettws-y-Coed**	100	29·844	—	35·6	50·8	43·2	-3·4	26	24th	60	29th	44·9	40·3	4·0	1·7	·215	·215	71	87	42·7	43·9
		District Value				**36·5**	**49·0**	**42·5**	**-3·0**	**20**		**62**										**43·1**	**43·5**
SOUTH WALES	¶ §	*Llangammarch Wells*	585	29·362	—	32·9	50·0	41·5	-3·4	18	24th	61	8th	41·4	—	2·4	—	·212	—	82	—	43·6	44·3
	¶ §	Pembroke	150	29·797	+·081	39·0	49·0	44·0	-2·5	29	24th	56	17th	43·3	44·9	1·7	2·5	·244	·242	87	82	—	—
		Clifton	229	—	—	37·8	51·7	44·8	-2·6	28	24th	66	30th	—	—	—	—	—	—	—	—	—	—
8	¶	Portland Bill	23	29·912	+·028	40·1	49·9	45·0	-3·4	30	25th	58	16th	43·5	47·3	1·3	2·1	·253	·276	90	85	—	—
	¶ §	**Plymouth**	116	29·856	—	40·0	51·8	45·9	-2·5	30	25th	63	16th	46·6	46·2	4·0	3·3	·237	·246	74	78	46·5	—
ENGLAND, S.W.	¶ §	**Falmouth**	183	29·801 29·793	+·092 +·092	40·5	51·0	45·8 45·7	-2·1 -2·0	32	24th	61	30th	46·2	44·9	3·2	2·6	·242	·240	78	81	—	—
		Woolacombe M	79	29·886	—	40·9	50·7	45·8	-3·5	32	24th	62	30th	45·5	45·3	2·9	2·7	·240	·242	79	80	—	—
		Rousdon M	516	29·400	—	36·8	49·7	43·3	—	26	24th	62	16th	42·6	44·2	2·0	2·4	·231	·238	85	82	45·8	45·8
		Whitchurch M	595	29·317	—	36·8	50·8	43·8	—	25	25th	62	16th	44·7	41·8	2·6	1·7	·238	·229	80	86	45·5	—
9 IRELAND, N.		District Value				**37·6**	**50·7**	**43·9**	**-2·8**	**18**		**66**										**45·1**	**44·7**
Western Part.	¶	Malin Head	230	29·697	+·109	37·7	47·3	42·5	-3·2	26	25th	58	30th	42·1	44·4	1·8	2·5	·230	·238	86	81	—	—
	¶	Blacksod Point	41	29·930	+·123	40·3	49·4	44·9	-2·3	30	25th	57	28th	44·3	46·5	1·7	2·7	·254	·255	87	82	—	—
	¶ §	**Markree Castle**	127	29·860	—	35·9	51·8	43·9	-2·1	22	26th	61	16th, 30th	45·7	41·8	3·2	2·0	·241	·230	78	84	—	—
Eastern Part.	¶	Donaghadee	40	29·943	+·116	37·6	48·3	43·0	-2·8	28	24th, 25th	59	30th	41·6	45·3	1·7	2·6	·228	·245	87	81	—	—
	¶ §	**Armagh**	202	29·765	—	35·0	50·9	43·0	-2·6	24	24th	61	30th	45·0	40·2	3·3	2·1	·233	·211	77	82	45·2	45·0
		Belfast	55	29·945	—	35·5	49·6	42·6	—	25	25th	57	7th	41·4	44·5	1·8	3·2	·226	·229	85	77	—	—
10. IRELAND, S.		District Value				**37·3**	**49·5**	**43·1**	**-2·5**	**22**		**61**											
Eastern Part.	§	**Dublin (Phœnix P'k)**	159	29·815	—	34·5	50·3	42·4	-2·9	24	25th	63	30th	44·6	40·9	2·5	1·2	·244	·236	82	90	—	—
		„ **(Trinity Coll'ge)**	17	29·976	—	38·1	50·9	44·5	—	24	24th	64	30th	45·3	43·4	3·3	2·1	·236	·242	77	85	45·3	45·8
	¶	„ **(City)**	53	29·935	—	38·4	51·0	44·7	-2·9	25	24th	63	30th	44·8	43·8	3·2	2·2	·231	·240	77	83	—	—
	¶	**Waterford**	100	—	—	37·0	52·3	44·7	-1·9	25	24th	58	16th, 17th	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ §	**Birr Castle**	173	29·790	—	35·2	51·5	43·4	-3·2	22	24th	61	30th	45·6	42·8	2·4	1·5	·256	·249	82	88	—	—
	¶	**Killarney**	174	—	—	38·2	54·1	46·2	-1·6	23	25th	63	16th	—	—	—	—	—	—	—	—	—	—
	¶ §	**Valencia**	62	29·967 29·960	+·117 +·116	41·4	50·8	46·1 46·3	-2·4 -2·0	32	25th	60	16th	46·3	45·8	2·5	2·4	·258	·255	83	83	—	—
	¶	Roche's Point	42	29·954	+·120	39·6	51·0	45·3	-2·8	29	25th	59	16th	44·2	47·9	1·5	3·0	·257	·264	89	80	—	—
		District Value				**37·9**	**51·9**	**44·6**	**-2·5**	**21**		**64**											
11. ENGLISH CHANNEL	¶ §	Scilly	20	29·962	+·098	43·2	52·1	47·7	-1·1	33	25th	56	10, 29, 30th	45·7	48·7	2·6	2·7	·249	·279	82	81	—	—
	¶ §	Jersey	36	29·923	+·042	41·4	52·6	47·0	-2·3	32	21st	61	16th, 27th	46·1	48·6	2·8	3·8	·249	·254	80	74	—	—
		Guernsey (Brooklyn)	311	29·633	—	41·5	51·2	46·4	-2·3	32	24th	66	30th	45·5	45·3	2·7	2·7	·245	·243	81	80	47·6	47·5
		District Value				**42·2**	**52·3**	**47·1**	**-1·7**	**32**		**66**											

For notes see p. xxxix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of APRIL, 1908.

BRIGHT SUNSHINE.				CLOUD (0-10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND FORCE (0-12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount.		Number of Days.	Total Fall.	Diff. from Av.	Most in a Day.		Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
				a.m.	p.m.				Amount	Day.																		
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																			
143	—	35	—	7·0	6·7	15	3·73	+2·14	1·30	25th	6	0	2	2	14	0	—	0	5	13	6	16	4	0	1	4	12	4	Reading.
—	—	—	—	6·9	6·9	15	4·41	+2·19	2·18	25th	4	0	1	1	12	0	19	1	20	0	11	18	0	2	4	10	4	11	Salisbury.
166	—	40	—	7·5	6·6	16	1·92	—	0·80	28th	5	3	0	3	17	0	6	0	18	0	21	8	3	3	5	9	5	6	Dover.
—	—	—	—	6·9	—	14	1·86	+0·17	0·47	23rd	5	2	0	4	14	0	1	2	11	2	5	8	2	3	0	1	7	2	Brighton.
186	+14	45	+3	6·2	3·7	13	1·97	+0·10	0·53	27th	5	0	0	8	8	0	—	1	10	10	3	17	3	1	2	6	6	12	Eastbourne.
175	—	43	—	5·4	—	11	2·15	+0·50	0·60	25th	4	2	1	8	8	0	7	0	38	0	12	20	0	4	2	4	10	8	Portsmouth.
—	—	—	—	7·0	7·4	16	1·65	+0·27	0·58	28th	4	0	1	0	13	1	—	0	44	0	14	16	3	1	4	9	9	4	Dungeness.
173	0	42	0	6·9	4·3	15	1·82	0·00	0·57	28th	4	3	0	6	11	4	—	0	22	2	16	12	3	4	1	7	9	6	Hastings.
178	+10	43	+2	6·7	6·2	13	3·19	+1·21	1·21	24th	5	0	1	4	13	0	10	0	22	0	4	27	0	6	0	9	2	12	Southampton.
177	−4	43	−1	6·3	—	12	2·38	+0·53	0·56	24th	3	1	0	5	12	1	—	0	10	0	15	13	4	5	1	7	12	3	Ventnor.
161	**0**	**39**	**0**	**6·7**	**6·0**	**15**	**2·45**	**+0·83**	**2·18**																				
155	—	38	—	7·1	6·1	16	2·50	—	0·62	23rd	4	3	3	4	12	0	7	0	8	3	9	17	3	5	2	6	6	9	Tottenham.
142	—	34	—	7·0	—	18	2·38	+0·70	0·67	23rd	5	1	0	2	14	1	9	—	—	2	18	14	2	0	2	2	14	6	Camden Square.
132	+19	32	+4	6·8	6·7	17	2·06	+0·41	0·59	23rd	5	3	2	3	16	2	7	0	11	4	11	17	7	2	2	4	9	4	Westminster.
138	−9	33	−3	7·3	6·5	15	2·10	+0·53	0·46	23rd	5	5	1	5	15	0	11	0	9	2	10	17	7	5	2	4	9	4	Greenwich.
—	—	—	—	6·5	6·4	17	2·31	+0·63	0·72	23rd	6	3	2	6	15	4	7	0	7	1	16	18	2	0	3	6	10	4	Norwood.
151	+2	37	+1	7·5	6·7	14	2·31	+0·69	0·59	28th	5	2	2	3	15	1	14	0	17	5	18	11	6	1	1	6	8	4	Kew.
134	+16	33	+4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row
—	—	—	—	6·5	5·8	17	1·82	−2·32	0·32	3rd, 8th	5	1	0	4	11	1	—	0	35	0	15	3	16	10	10	0	4	2	Landale.
—	—	—	—	6·1	5·4	10	1·56	−0·95	0·34	10th	1	0	0	0	8	0	—	1	26	6	6	16	3	10	6	5	5	3	Poltalloch.
109	−19	26	−4	8·3	7·7	12	1·58	−0·47	0·41	30th	2	1	0	0	17	0	17	0	3	12	5	10	16	2	2	2	8	3	Glasgow.
—	—	—	—	4·6	6·1	16	2·11	−0·53	0·38	30th	2	0	0	5	8	3	—	0	13	9	7	4	26	0	4	0	5	5	Rothesay.
—	—	—	—	5·3	—	14	1·80	−0·53	0·29	29th	4	4	0	5	10	0	14	0	24	6	4	18	8	10	0	4	4	12	Colmonell.
—	—	—	—	6·4	5·3	13	1·75	−0·52	0·41	30th	1	0	0	1	2	1	16	0	13	0	11	16	11	8	0	5	4	5	Dumfries.
—	—	—	—	—	—	15	2·05	−0·75	0·49	30th	1	2	0	—	—	0	—	0	8	0	2	23	9	17	0	3	0	6	Cally.
202	+22	48	+5	6·5	6·2	12	3·08	+0·68	1·02	29th	4	3	0	3	10	0	13	1	34	3	9	12	7	7	3	4	5	10	Douglas.
156	**+2**	**37**	**0**	**6·2**	**6·1**	**13**	**1·97**	**−0·79**	**1·02**																				
162	−1	39	0	6·7	6·6	14	2·42	+0·70	0·63	29th	4	0	0	2	13	1	14	0	30	5	6	12	10	8	2	4	6	7	Southport.
103	—	25	—	—	—	19	2·37	+0·46	0·50	28th	7	1	0	—	—	0	3	0	5	1	15	12	6	5	4	6	8	3	Manchester (City).
100	—	24	—	8·0	7·0	20	2·22	—	0·49	29th	4	1	0	0	16	0	18	0	15	2	9	11	12	7	2	4	8	5	„ (Whitworth P'k).
127	—	30	—	5·8	6·1	15	2·19	+0·16	0·40	30th	4	3	0	2	7	0	12	0	17	17	12	11	3	2	2	5	4	4	Aspatria.
123	−27	29	−7	6·7	7·0	17	1·76	−0·30	0·31	30th	5	1	0	2	13	0	17	0	14	5	13	5	9	11	3	3	5	6	Newton Rigg.
135	−15	32	−4	7·6	6·6	17	2·58	+0·10	0·66	29th	9	3	1	1	15	0	10	0	4	12	9	11	10	1	2	4	8	3	Stonyhurst.
173	+19	41	+4	7·0	6·5	14	2·87	+1·07	0·76	29th	3	1	0	2	8	0	9	0	23	2	8	13	7	12	2	4	5	7	Blackpool.
123	−3	30	0	8·6	7·5	19	2·86	+0·80	0·75	28th	6	1	0	1	18	1	14	2	19	2	8	12	14	1	3	1	17	2	Manchester (Prestwich).
144	—	35	—	6·5	7·6	13	3·37	+1·80	1·01	28th	6	2	0	1	10	0	—	0	14	2	7	10	10	6	1	6	13	5	Liverpool, Bidston Obs.
175	+19	42	+4	6·1	7·3	17	2·74	+0·96	0·67	27th, 29th	3	2	0	0	6	0	—	0	7	1	4	13	2	1	0	2	26	11	Llandudno.
—	—	—	—	7·2	5·7	15	3·80	+1·84	0·95	24th	4	2	1	0	7	6	—	2	23	1	6	13	10	4	2	9	3	12	Holyhead.
144	—	35	—	6·1	5·5	18	2·10	—	0·41	28th	4	3	0	1	4	0	9	0	6	0	5	7	12	6	0	9	10	11	Bettws-y-Coed.
148	**+3**	**36**	**+1**	**6·9**	**6·7**	**16**	**2·78**	**+0·69**	**1·22**																				
158	—	38	—	7·7	—	20	2·99	—	0·79	27th	4	1	0	3	19	0	19	0	22	10	14	14	2	0	2	0	6	12	Llangammarch Wells.
154	−23	37	−6	6·4	6·2	16	2·49	+0·46	1·02	27th	2	4	0	2	6	5	—	0	39	0	11	15	0	4	5	5	6	14	Pembroke.
143	—	35	—	—	—	13	2·93	+0·67	0·65	29th	—	—	—	—	—	—	10	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·4	5·8	15	1·66	—	0·51	29th	2	0	0	4	11	2	—	0	33	2	14	9	6	2	1	6	9	11	Portland Bill.
168	−2	41	0	6·9	5·1	18	3·04	+0·70	0·92	27th	2	3	0	2	11	2	8	0	?	7	18	5	6	4	3	6	5	6	Plymouth.
184	+5	45	+1	5·9	3·3	19	2·43	−0·40	0·55	29th	1	4	0	5	7	0	—	0	9	4	20	8	1	2	4	7	6	8	Falmouth.
174	+4	42	+1	6·2	4·7	14	1·53	−0·39	0·55	27th	1	2	0	3	6	0	—	0	21	4	5	20	1	7	0	4	4	15	Woolacombe.
170	—	41	—	7·0	5·8	16	2·87	—	0·76	29th	3	2	0	4	11	5	11	2	7	2	11	12	4	2	2	3	13	11	Rousdon.
—	—	—	—	6·8	5·6	20	3·54	—	1·18	27th	7	8	0	3	12	6	16	3	15	1	13	14	6	3	5	4	5	9	Whitchurch.
162	**−2**	**39**	**−1**	**6·6**	**5·1**	**17**	**2·59**	**+0·24**	**1·29**																				
—	—	—	—	6·4	6·9	22	2·23	+0·37	0·33	3rd	3	2	0	0	8	3	—	4	33	0	13	8	2	11	8	5	3	10	Malin Head.
—	—	—	—	7·3	6·7	21	2·82	−0·07	0·36	10th	1	1	0	0	9	0	—	0	40	0	10	14	3	4	6	10	6	7	Blacksod Point.
170	+24	41	+6	7·7	4·7	17	2·92	+0·51	0·47	29th	3	6	0	1	9	0	17	0	9	11	11	7	2	7	7	7	0	8	Markree Castle.
—	—	—	—	6·8	6·1	13	2·47	+0·53	0·89	28th	2	2	0	1	8	1	—	0	17	2	10	8	7	7	6	7	3	10	Donaghadee.
148	+4	35	+1	7·3	5·3	18	2·46	+0·39	0·83	27th	2	0	0	5	11	0	15	0	5	22	8	6	1	6	4	8	3	2	Armagh.
—	—	—	—	—	—	14	4·13	+2·10	0·95	27th	3	0	0	—	—	0	—	0	5	15	13	10	3	9	1	6	0	3	Belfast.
159	**+15**	**38**	**+4**	**7·1**	**5·9**	**18**	**2·58**	**+0·19**	**0·95**																				
155	−7	37	−2	7·9	5·4	20	2·26	+0·42	0·66	29th	3	2	0	0	12	3	21	0	11	17	7	7	4	4	0	6	9	6	Dublin (Phœnix Park).
139	—	33	—	8·1	4·7	12	2·18	—	0·82	27th	3	0	0	2	12	2	13	0	9	21	8	8	7	2	1	2	3	8	„ (Trinity College)
—	—	—	—	6·9	4·2	16	2·34	+0·40	0·91	27th	3	4	0	4	8	3	5	0	10	4	12	10	7	8	0	3	8	8	„ (City)
—	—	—	—	—	—	12	2·62	−0·01	0·99	29th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
159	+7	38	+1	7·2	7·1	19	1·74	−0·36	0·46	29th	2	3	0	1	12	0	—	0	10	8	7	5	5	4	9	9	6	7	Birr Castle.
—	—	—	—	—	—	22	2·46	−0·91	0·68	29th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
151	−7	37	−1	7·9	6·0	21	2·97	−0·90	0·95	29th	2	3	0	1	7	0	—	0	32	3	11	12	4	3	13	2	6	0	Valencia.
—	—	—	—	6·4	6·6	19	2·85	−0·25	1·14	29th	2	3	0	0	7	5	—	0	25	3	18	4	3	7	6	4	4	11	Roche's Point.
155	**−4**	**37**	**−1**	**7·4**	**5·7**	**19**	**2·39**	**−0·25**	**1·14**																				
184	+6	45	+2	7·4	7·8	14	1·10	−1·02	0·27	27th	1	0	0	0	14	2	—	0	41	0	15	9	3	1	8	5	9	10	Scilly.
185	−4	45	−1	7·4	5·5	17	2·35	+0·22	0·71	23rd	4	4	1	1	10	1	—	1	42	0	6	12	3	3	3	8	10	15	Jersey.
186	−10	45	−3	6·1	4·1	18	2·17	−0·28	0·59	24th	2	0	0	3	4	0	3	1	26	4	9	14	0	1	4	7	8	13	Guernsey (Brooklyn).
184	**−8**	**45**	**−2**	**7·0**	**5·8**	**16**	**1·85**	**−0·11**	**0·71**																				

The sunshine entered to Portsmouth is registered at Southsea.

TABLE VIII.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, APRIL, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
				Ft.	Min.	Max.											Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.		Balta Sound	S	31	35·6	45·5	40·6	—	25	23rd	55	27th	—	—	—	21	1·82	—	0·28	2nd	164	—	38	—
1. SCOTLAND, E.	§	Crathes	S	140	33·1	47·9	40·5	—	17	24th	64	17th	44·7	41·3	17	14	2·08	—	0·35	4th	132	—	31	—
	§	Balruddery	S	276	33·1	49·0	41·1	—	16	24th	68	17th	—	—	--	12	1·01	—	0·35	8th	121	—	29	—
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	97	- 25	23	- 6
	¶	West Linton	S	800	32·7	45·4	39·1	- 3·5	16	25th	61	17th	—	—	—	21	1·91	—	0·37	30th	91	—	22	—
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	35·8	48·2	42·0	- 1·4	21	24th, 25th	60	17th	—	—	--	18	2·48	+0·40	0·55	4th	—	—	—	—
		Newcastle-on-Tyne	—	152	36·4	48·1	42·3	—	23	24th	60	2nd	—	—	—	19	2·59	+0·86	0·56	26th	78	- 30	19	- 7
		Ampleforth	—	349	35·3	48·5	41·9	—	26	24th	61	8th	—	—		19	2·54	—	0·48	30th	—	—	—	—
		Tealby	—	251	35·9	47·8	41·9	- 3.6	30	8th	58	3rd	—	—	—	15	4·06	+2·24	0·73	28th	—	—	—	—
	¶	Fulbeck	—	180	35·8	49·3	42·6	- 3·3	27	24th	60	30th	—	—	—	21	2·25	+0·61	0·38	28th	—	—	—	—
	§	Rauceby	—	124	35·4	49·3	42·4	—	28	25th	61	30th	—	—	14	21	2·31	+0·41	0·39	28th	136	—	33	—
3. ENGLAND, E.		Felixstowe	—	10	36·9	48·6	42·8	- 3·5	30	20th, 21st	62	30th	—	—	—	14	1·92	—	0·79	23rd	163	—	39	—
	¶ §	Rothamsted	—	424	35·5	49·6	42·6	- 3·2	26	9th	63	30th	—	—	—	18	2·91	+1·07	0·78	23rd	146	- 4	35	- 1
		Shoeburyness	—	13	37·3	50·2	43·8	- 3·5	31	9, 20, 24	63	30th	—	—	—	11	2·08	+0·82	0·66	23rd	—	—	—	—
		Southend-on-Sea	—	100	37·1	49·4	43·3	—	30	24th	57	29th	44·9	—	16	16	2·39	+0·94	0·76	23rd	142	—	34	—
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	34·9	47·4	41·2	- 3·0	21	24th	62	8th	41·4	41·8	9	22	2·75	+0·67	0·45	30th	123	—	29	—
		Bradford	—	330	35·8	47·4	41·6	—	23	24th	57	8th	41·6	41·2	7	19	2·21	—	0·48	28th	129	—	31	—
	¶	Cheadle	M	646	34·9	48·2	41·6	- 3·2	24	24th	61	30th	—	—	19	17	2·66	+0·61	0·70	28th	—	—	—	—
	¶	Bawtry	—	65	35·6	50·5	43·1	- 3·1	24	24th	62	8th	—	—	—	20	2·21	+0·61	0·62	28th	—	—	—	—
	§	Worksop	M	56	35·8	50·8	43·3	- 2·7	24	24th	62	30th	43·8	43·6	—	17	1·95	+0·25	0·50	28th	109	- 23	26	- 5
		Rugby	—	379	34·4	48·8	41·6	- 4·5	24	24th	64	9th	—	—	13	19	4·17	—	1·27	25th	—	—	—	—
	¶	Raunds	M	210	34·8	50·5	42·7	- 4·1	24	9th	64	30th	—	—	—	20	2·80	—	0·60	23rd	—	—	—	—
		Winslow	—	379	35·6	48·8	42·2	—	26	24th	63	30th	—	—	12	20	5·05	—	1·62	25th	—	—	—	—
	¶	Hereford	M	291	35·3	51·5	43·4	- 3·3	24	24th	64	30th	—	—	15	12	2·86	+1·11	0·91	27th	—	—	—	—
	¶ §	Cirencester	—	446	33·7	50·0	41·9	- 3·6	25	22nd, 26th	65	30th	—	—	13	15	2·53	+0·56	0·56	28th	136	- 21	33	- 5
		Epsom	—	160	35·6	52·1	43·9	—	24	9th	63	30th	—	—	16	16	3·00	—	0·90	23rd	—	—	—	—
		Wokingham	—	216	34·4	50·8	42·6	—	22	9th	62	29th	—	—	—	14	3·72	—	0·90	25th	—	—	—	—
		Maidenhead	—	99	35·7	53·0	44·4	—	23	13th	65	9th, 29th	—	—	23	16	3·60	+1·96	0·79	25th	—	—	—	—
	¶ §	Marlborough	—	424	34·1	50·7	42·4	- 3·5	24	24th	66	30th	—	—	19	15	2·86	+0·73	0·55	25th	138	- 4	33	- 1
	¶	Swarraton	M	310	35·2	50·6	42·9	- 2·8	27	9th	61	29th	—	—	—	14	3·79	+1·86	1·44	24th	—	—	—	—
	¶ §	Margate	—	35	39·6	48·5	44·1	- 2·8	32	25th	61	30th	43·3	43·6	1	17	1·56	+0·10	0·47	28th	139	- 17	34	- 4
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	14	1·63	—	0·60	28th	157	—	38	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	163	—	40	—
5. ENGLAND, S.E.	¶ §	Wisley	—	150	37·0	51·0	44·0	- 3·5	27	9th	63	29th	43·8	44·5	13	14	2·48	—	0·65	25th	145	—	35	—
	¶ §	Tunbridge Wells	M	421	36·0	50·1	43·1	- 3·3	28	21st	62	30th	44·2	—	12	16	2·48	+0·63	0·65	23rd	148	- 14	36	- 3
		Folkestone	—	121	37·7	48·4	43·1	—	30	25th	56	29th	—	44·0	—	13	1·17	-0·65	0·33	28th	169	—	41	—
	§	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	159	—	39	—
		Bexhill	—	27	38·8	50·4	44·6	—	30	21st	58	16th	46·4	—	6	14	2·23	—	0·72	28th	180	—	44	—
	§	Worthing	—	36	37·7	51·6	44·7	- 2·4	30	21st	59	16th, 17th	45·4	45·6	4	12	1 96	+0·36	0·43	23rd	176	—	43	—
		Bognor	—	20	38·4	51·3	44·9	—	32	24th	59	16th	—	45·8	5	12	1·71	—	0·34	23rd	178	—	43	—
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	176	—	43	—
		Totland Bay	—	150	38·0	50·8	44·4	- 2·5	31	25th	64	30th	—	—	—	12	2·44	+0·69	0·88	24th	181	—	44	—
		Bournemouth	—	145	37·4	52·9	45·2	—	31	24th, 26th	64	16th	43·9	45·0	—	13	2·75	—	0·60	24th	182	—	44	—
		Weymouth	—	21	39·0	52·9	46·0	—	30	24th	63	16th	—	—	—	15	1·86	—	0·54	29th	166	—	40	—
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	33·0	47·9	40·5	—	18	24th	62	17th	—	—	18	10	1·38	—	0·41	30th	119	—	28	—
	¶	Kilmarnock	—	90	34·1	49·2	41·7	- 3·5	18	24th	56	17th	—	—	—	12	1·98	—	0·68	30th	136	—	32	—
7. ENGLAND, N.W.		Carnforth	—	174	36·2	49·4	42·8	—	27	25th	60	17th	—	—	11	14	2·02	—	1·06	30th	136	—	33	—
		Darwen	—	710	34·1	47·5	40·8	—	23	24th	58	17th	43·1	42·0	10	19	2·88	—	1·16	30th	108	—	26	—
		Burnley	—	459	35·4	48·1	41·8	—	21	24th	59	17th	41·6	41·7	10	20	2·43	—	0·67	28th	104	—	25	—
	§	Hoylake	—	30	38·3	50·4	44·4	—	28	8th	59	29th	—	—	10	13	2·80	—	0·80	28th	157	—	38	—
		Rhyl	—	30	37·9	49·3	43 6	—	29	7th	61	29th	—	—	—	17	2·36	+0·97	0·62	29th	165	—	40	—
	¶	Hawarden Bridge	—	22	36·7	50·2	43·5	- 3·4	27	24th	62	30th	—	—	—	16	3·55	+2·36	1·22	28th	—	—	—	—
		Towyn	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Aberdovey	—	22	39·3	50·4	44·9	—	30	24th	61	16th	—	—	—	17	2·36	—	0·55	29th	152	—	37	—
	§	Aberystwyth	—	59	42·1	49·0	45·6	—	35	25th, 26th	61	16th	—	—	—	—	—	—	—	—	135	—	33	—
		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	156	—	38	—
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	165	- 18	40	- 5
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	160	—	39	—
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	8	2·37	—	0·70	27th	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	9	3·42	—	1·00	28th	—	—	—	—
8. ENGLAND, S.W.	¶	Cardiff	—	50	36·2	50·7	43·5	- 4·3	26	24th	61	30th	42·4	43·9	12	16	2·63	+0·17	0·73	29th	164	—	40	—
		Swansea	—	24	38·2	51·9	45·1	—	29	24th, 25th	59	8th	—	—	14	15	3·15	—	1·29	30th	—	—	—	—
	¶	Shaftesbury	M	722	35·4	49·4	42·4	- 3·1	27	24th	65	30th	44·4	—	—	14	2·13	-0·31	0·55	29th	—	—	—	—
	¶	Arlington	—	613	36·5	50·3	43·4	- 1·9	26	24th	65	30th	—	—	—	18	3·06	+0·07	1·13	29th	—	—	—	—
	¶ §	Cullompton	M	202	37·9	52·7	45·3	- 2·6	27	24th	63	30th	—	—	8	17	2·54	+0·08	0·78	29th	150	- 3	36	- 1
		Torquay	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	169	- 6	41	- 2
	§	Newquay	—	100	41·1	50·6	45·9	- 2·1	32	25th	64	30th	46·8	—	—	16	2·06	-0·04	0·49	27th	187	+ 17	45	+ 4
		Salcombe	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	178	—	43	—
		Penzance	—	54	41·6	53·6	47·6	—	33	24th	63	16th	—	—	—	17	2·16	—	0·50	29th	189	—	46	—

TABLE VIII (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, APRIL, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.	Dublin (Glasnevin) - -	67	35·7	50·6	43·2	- 2·8	22	24th	63	30th	—	—	18	18	2·53	+0·59	0.88	29th	—	—	—	—
	Kingstown - - -	—	38·5	50·2	44·4	—	25	23rd	62	30th	—	—	—	15	2·11	—	0·78	27th	163	—	39	—
	Clongowes Wood College -	237	33·7	51·2	42·5	—	21	24th	62	30th	—	—	15?	20	2·10	—	0·48	11th	—	—	—	—
	¶ Kilkenny - - - -	212	6·1	51·6	43·9	- 3·2	24	26th	59	30th	—	—	—	20	2·05	-0·15	0·65	29th	—	—	—	—
	¶ Cahir - - - M	199	36·9	52·3	44·6	- 2·7	26	26th	65	30th	—	—	—	20	2·75	—	0·58	29th	—	—	—	—
	¶ Foynes - - - -	108	38·5	52·5	45·5	- 1·8	27	25th	62	30th	—	—		23	1·71	-0·73	0·29	29th	—	—	—	—
	§ Ballinacurra - - -	34	37·4	52·6	45·0	—	27	26th	60	16th	—	—	—	19	2·75	—	0·96	29th	169	—	41	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) -	180	41·9	52·3	47·1	- 1·6	33	25th	65	30th	—	—	—	18	2·09	-0·36	0·56	24th	184	- 9	45	- 2

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—Observations are made at **8 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.**, mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for latitude has not been applied. The values are for station level. They are the means of readings at 8 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the case of Brighton, Coventry, Llangammarch Wells, Portsmouth and Ventnor, where they are the means of the observations at 9 a.m. The difference from average is based upon the 8 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky**," if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. At Brighton, Coventry, Portsmouth, Llangammarch Wells, and Camden Square, where observations of wind (and cloud) are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906, and in Appendix I. to the Daily Weather Report. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 1, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815-1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked M is supplied by the Royal Meteorological Society, and that for stations marked S is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street, London, S.W. May 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. V. MAY, 1908. [*Price 6d. Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The distribution of pressure for the whole month indicated an area of low barometer out on the Atlantic, westward of Scotland and southward of Iceland, and one of high barometer from the Azores to the Bay of Biscay and the Continent. In the extreme south of England the results were slightly higher than usual, by 0·06 in. at Jersey, while over the rest of the Kingdom they were lower, to the extent of 0·11 in. at Blacksod Point. Between Jersey and Stornoway the pressure difference amounted to 0·24 in., whereas the normal difference is only 0·1 in. A Southerly to Westerly air current prevailed generally, but in the south, east, and north a South-Easterly to North-Easterly current was experienced on several days. Although the mean pressure gradient was steeper than usual, the wind was as a rule of no great strength. The only instance of gale force at any of the telegraphic reporting stations occurred at Yarmouth in the night of the 29th, from North-East. Pendennis Castle alone of the anemometrical stations registered a mean hourly velocity exceeding 38 miles; 45 miles in an hour from South South-West, and a rate of 55 miles per hour in gusts occurred on the night of the 14th.

Broadly speaking, the weather of the month was divisible into two main types. During the first fifteen days pressure was generally low over the British Isles and on the Atlantic to the westward and south-westward, high in the Iceland region and southward of the Bay of Biscay; the remainder of the month was marked by a reversal of this pressure distribution.

At the commencement the centre of low pressure was as far away as the Azores, but the system was an extensive one, indicated beyond Ireland in the first five days, then stretching northward to Shetland and the Faeröe. On the 5th a secondary became detached from the main system, passed north-eastward across Scotland to Norway, thence eastward to Russia. At all stations except Jersey the barometer fell below 29·5 ins. on the 5th or 6th, below 29·1 ins. at Blacksod Point and Malin Head, the lowest pressure of the month. On the 14th the primary moved across the south of Ireland and Wales, and on reaching the North Sea it dispersed. When the depression was approaching Kerry the barometer fell to 29·16 ins. at Valencia, but subsequently pressure increased decidedly at the centre and all round. While the wind during the first fortnight was largely from Southerly points, the direction was very variable, and, as a rule, the force was moderate to light, only Pendennis Castle recording a gale velocity once. Changeable unsettled weather prevailed in all parts of the country, rain was frequent, and from the 2nd to the 6th, and the 11th to the 15th, thunderstorms, or thunder or lightning alone, occurred in many parts of the Kingdom. Heavy rains were, however, unusually rare; on the 3rd, 1·45 in. fell at Sparkhill, and 1·2 in. at Edgbaston, both in Birmingham; and on the 14th 1·3 in. at Abersychan (Monmouthshire).

From the 16th pressure was nearly continuously high. Readings exceeded 30·5 ins. at some Channel stations on the 18th, 30·58 ins. at Jersey, and at almost every station in the country on the 27th and 28th, 30·57 ins. at Shields. The principal disturbances of this period were found about Iceland or on the Continent, those which visited our neighbourhood being mostly very shallow and of minor importance. Light variable breezes were consequently largely in the ascendant, and the weather was generally fine, bright and dry, many places having only two or three small falls of rain. West Byfleet had 12 consecutive rainless days, East Ham and Isleworth 13, and Syston (Leicestershire) 14. On the 20th to 25th, and 29th to 31st, the fine weather was interrupted by thunderstorms in numerous localities, but again the accompanying rainfall was comparatively small; Whitby registered, however, nearly 1·5 in. on the 30th. In some cases the thunderstorms were rather severe, and those of the 22nd produced hail over a wide extent of country.

Throughout the month the temperature conditions were of a somewhat abnormal character. There was an almost entire absence of low night temperatures—a most unusual circumstance in May. Shade minima from 50° to 55° were not uncommon, but minima below 40° were rarely registered in any district; 32° was touched at Cirencester and Wokingham on the 11th, and at Garforth on the 22nd; 31° at Marlborough on the 11th, at Fort Augustus and West Linton on the 22nd, and at Wokingham on the 23rd; and 30° at Balmoral on the 22nd, and at Garforth on the 24th. The temperature of nocturnal radiation also showed that even on the grass there was little or no frost. With this may be associated the very rapid increase in the temperature in the ground, which had been chilled down to about 40° in the severe frost of Easter week, but was about 20° warmer by the end of May, in a period of five weeks. The day maxima, on the other hand, were much more variable than the night values.

Following the severe cold which characterised the closing days of April a sudden and rapid rise of the thermometer took place on the first day of May, so that afternoon maxima of 70° and upwards were registered in many parts of the Kingdom, 77° at Maidenhead. On the following day still higher values were reported, 78° at Bettws-y-Coed, Epsom, Isleworth and Jersey, and 79° at Maidenhead. This burst of warmth, however, was of very brief duration, for on the 3rd a shallow irregularity of pressure lying across the country brought with it a very cold rain, and a decided decline of temperature was the result. In Scotland, the north-east of Ireland, and the northern and eastern portions of England the afternoon maxima were nearly all below 50°, in several instances 45° or lower, 42° at Aberdeen and Morpeth, and 41° at Sumburgh Head. Thenceforward to the middle of the month the day readings were generally below the normal, the maxima in very numerous cases being below 60°. A striking feature of this period was the persistent afternoon cold along the eastern half of the English Channel, from Portland Bill to Dover. From the 4th to the 15th the great majority of the maxima were below 55°, the coldest day being the 14th, when Brighton touched only 51°, and Ventnor, Worthing, Lewes and Bexhill-on-Sea 52°. This cold spell is reflected in the mean results for the month, which show this southern locality to have had about the same temperature as the extreme north of England; its mean temperature was about 4° lower than that of the Thames Valley. Under the anticyclonic conditions of the second half of the month brighter and warmer weather ruled, the last week being very warm. A maximum of 79° occurred at Dumfries on the 28th, and at Maidenhead and Winslow on the 31st; 80° at Leeds on the 27th, Fort William on the 30th, and Isleworth on the 31st; and 81° at Carlisle on the 28th.

Fogs were frequently experienced on many sections of our coasts, and on occasions they were very dense locally. On the western coasts they prevailed from the 1st to the 9th, and from the 16th to the 20th, while from the 26th to the 31st they were of a local character. On the English Channel they were common from the 3rd to the 11th, and the 16th to the 20th, local from the 26th. On the East coast they were pretty general from the 1st to the 6th, and from the 28th to the end.

There was everywhere an increase in the temperature of the sea water round our coasts as compared with April, the increase generally amounting to from 3° to 6°, as much as 7° at Pennan, Eastbourne, the Solway Firth and Ballydonegan, and 8° at Cromarty and Margate. The temperature of the air on shore had, however, increased at a greater rate than that of the coastal water. In the west of Ireland sea and air had about the same mean temperature in May, but elsewhere the water was the colder, in several localities by as much as 5° to 7°, and at the Newarp light vessel 9°.

Rainfall.—Only in the north-western portion of England was there a general excess of rain during the month, the records in other districts being divided between excess and defect, the latter predominating. No station returned a deficiency of as much as an inch, while Hawarden Bridge, Liverpool, Cheadle, Markree Castle and Stonyhurst had an excess of slightly over an inch. The largest aggregate totals were 4·5 ins. at Laudale, 4·3 ins. at Fort William, and 4·1 ins. at Buxton; the smallest were a little less than an inch at various stations in the eastern, midland and south-eastern counties of England. Rain was measured on 26 days at Malin Head, and on 25 days at Roche's Point, against 10 or less in several localities, 7 at Hidcote Campden, Gloucestershire, and Doneraile, Cork. On the 3rd 0·24 in. fell in 7 minutes at Camden Square, London; 0·61 in. in a "short time" at Fulbeck on the 6th; 0·8 in. at Canterbury between 2 a.m. and 3 a.m. on the 21st; and 0·53 in. in half an hour at Ennistymon, Clare, on the 31st.

Bright Sunshine.—The duration of bright sunshine was rather variable over the country generally, but in most places it was less than the average, the loss amounting to 53 hours at Falmouth, 55 hours at Jersey, and 63 hours at Scilly, whereas Edinburgh had an excess of 18 hours and Blackpool 27 hours. In several parts of the Kingdom the aggregates exceeded 200 hours, up to 231 hours at Portsmouth, and 234 hours at Bournemouth, or 49% of the possible duration, the smallest records being 142 hours, or 29%, at Newcastle-on-Tyne, and 116 hours, or 24%, at Hull.

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TABLE IX.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
			ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.	¶	Sumburgh Head –	126	29·738	– ·030	41·1	49·4	45·3	+0·1	35	3rd, 4th	61	31st	45·3	45·7	2·0	2·0	·257	·262	85	86	—	—
Islands.	§	**Deerness** – – –	163	29·696	—	42·3	51·0	46·7	+0·3	36	3rd	62	31st	47·3	45·1	2·0	1·5	·282	·270	86	89	—	—
	¶ §	Stornoway – –	52	29·784	– ·090	43·6	55·2	49·4	+2·1	39	14th, 23rd	75	29th	49·8	50·6	2·5	2·9	·295	·296	83	80	—	—
		Castlebay – – –	38	29·769	– ·090	46·4	53·5	50·0	+1·1	42	25th	70	31st	49·2	51·5	1·6	2·7	·310	·312	89	82	—	—
Mainland.	¶	Wick – – –	80	29·773	– ·065	42·3	54·2	48·3	+1·0	37	23rd	69	27th	48·2	48·1	2·7	2·6	·272	·273	82	82	—	—
	¶	**Lairg** – – S	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	**Strathpeffer** – –	210	29·640	—	43·5	60·1	51·8	+3·6	33	23rd	75	29th	52·4	49·1	3·7	2·8	·299	·282	76	80	—	—
	¶	**Glencarron** – S	504	29·311	—	42·6	56·2	49·4	+1·4	35	22nd	78	29th, 30th	50·2	47·6	3·4	2·2	·280	·277	78	85	—	—
	¶ §	**Fort Augustus** S	73	29·801	—	42·1	56·0	49·1	−0·3	32	22nd	66	30th	49·7	49·4	2·8	2·7	·288	·287	81	82	—	—
	¶	**Fort William** – S	38	29·840	—	43·7	57·9	50·8	+0·8	35	22nd	80	30th	51·2	49·6	3·2	2·8	·297	·287	79	82	—	—
		District Value –				**42·6**	**54·8**	**48·3**	**+0·5**	**32**		**80**											
1. SCOTLAND, E.		**Dunrobin Castle** S	16	29·858	—	43·6	55·9	49·8	+1·6	35	23rd	69	27th	50·5	48·3	2·9	3·0	·299	·270	81	79	51·3	—
	¶ §	Nairn – – –	82	29·763	– ·074	41·8	58·3	50·1	+1·1	35	12th, 26th	76	30th	49·6	53·5	3·3	5·1	·276	·281	78	68	—	—
	¶	**Gordon Castle** S	107	29·742	—	42·4	60·4	51·4	+2·3	34	23rd	78	29th	54·9	—	5·2	—	·296	—	69	—	—	—
	¶ §	**Aberdeen** – –	90	29·807 29·800	– ·052 – ·053	44·8	55·9	50·4 50·1	+2·1 +2·9	39	26th	70	27th	51·2	49·2	3·9	2·9	·281	·281	75	80	—	45·4
		Tillypronie – S	1120	28·694	—	39·4	57·4	48·4	+3·1	33	14th	75	27th	50·3	45·3	4·0	2·1	·276	·261	76	85	—	—
	¶	*Balmoral* – – S	927	—	—	39·3	56·0	47·7	+1·6	30	22nd	76	28th	49 6	—	? 1·6	—	—	—	—	—	—	—
		Dundee – – S	164	29·730	—	44·1	58·7	51·4	+2·0	38	22nd	75	27th	52·2	49·3	3·3	2·1	·311	·302	80	86	—	—
	¶	**Crieff** – – S	436	29·427	—	43·0	58·7	50·9	+0·8	37	22nd	78	28th	50·8	49·1	3·6	2·8	·283	·282	76	80	—	—
	¶	Leith – – –	37	29·855	– ·049	45·4	58·1	51·8	+1·7	39	22nd	76	28th	50·3	54·7	2·7	3·7	·297	·328	82	76	—	—
	¶ §	**Marchmont** – S	500	29·382	—	42·5	58·5	50·5	+2·6	34	22nd, 23rd	74	28th	51·5	48·7	3·4	2·5	·295	·284	78	82	50·1	—
		District Value –				**42·5**	**57·8**	**49·8**	**+1·4**	**30**		**78**										**50·3**	
2. ENGLAND, N.E.	§	**Cockle P'rk (Morpeth)**	331	29·566	—	43·6	58·1	50·9	—	34	22nd	70	27th	52·1	48·5	1·7	0·7	·348	·327	88	95	50·3	46·7
	¶	Shields – – –	117	29·799	– ·027	44·6	58·3	51·5	+2·9	39	22nd	68	18th, 27th	51·5	53·6	2·3	3·3	·321	·323	84	78	—	—
		Seaham – – –	138	29·786	—	45·6	58·5	52·1	+3·1	35	22nd	70	27th	53·4	49·5	3·1	1·5	·326	·319	80	89	—	—
Northern Part.	¶ §	**Durham** – – –	352	29·554	—	44·4	60·1	52·3	+3·5	37	22nd	75	27th	53·7	50·0	3·7	2·1	·321	·312	77	86	—	—
		Whitby – – –	145	29·776	—	45·0	62·8	53·9	+5·0	33	23rd	73	27th	55·3	51·3	3·7	2·3	·341	·320	78	85	—	—
	¶	**Rounton** – – M	245	29·674	—	44·1	60·4	52·3	+4·1	35	23rd	72	27th	53·1	49·6	3·1	1·8	·322	·308	80	87	51·8	—
	¶ §	**Scarborough** – M	100	29·805	—	46·7	60·0	53·4	+4·1	40	22nd	68	27th	54·4	53·0	3·9	3·5	·319	·311	75	77	—	49·3*
	¶ §	**York** – – –	53	29·906	—	46·4	63·3	54·9	+3·9	39	22nd, 23rd	76	27th	55·4	52·4	3·5	2·6	·344	·326	78	83	50·9	47·1
		Hull – – –	2	29·956	—	46·1	62·6	54·4	+4·2	38	23rd	71	19th, 27th	56·8	52·5	3·6	2·1	·359	·338	77	86	51·9	46·3
Southern Part.	¶	Spurn Head – –	28	29·923	– ·001	47·5	58·7	53·1	+3·3	42	4th	69	19th	51·9	52·8	2·2	2·6	·329	·330	86	82	—	—
	§	Skegness (7 a.m.) –	16	29·970	—	46·1	59·7	52·9	—	39	11th	73	17th	51·5	55·6	1·8	3·8	·334	·339	88	77	—	—
	¶	**Lincoln** – – –	42	—	—	46·1	64·0	55·1	+2·9	38	24th	75	31st	57·6	53·4	3·7	2·7	·373	·341	78	83	53·0	47·9
		District Value –				**45·5**	**61·0**	**52·9**	**+3·6**	**33**		**77**										**51·6**	**47·0**
3. ENGLAND, E.	¶ §	**Cromer** – – –	139	29·832	—	46·8	61·2	54·0	—	40	22nd	75	19th	55·2	52·5	2·7	1·9	·360	·344	83	87	—	—
	¶ §	**Hillington** – M	92	—	—	45·8	64·2	55·0	+3·9	35	11th	77	31st	56·6	52·9	3·3	2·0	·364	·346	79	86	—	—
	¶	**Norwich** – – –	93	—	—	47·6	64·5	56·1	—	40	11th	77	31st	—	—	—	—	—	—	—	—	—	—
Northern Part.	¶ §	Yarmouth – –	21	29·953	+ ·034	47·7	59·6	53·7	+3·7	41	4th	74	17th	53·7	55·1	3·1	3·6	·329	·336	80	77	59·2	55·2
		Lowestoft – M	75	29·918	—	46·7	59·8	53·3	+3·2	41	14th	75	18th	55·6	51·7	3·3	2·0	·351	·331	79	86	55·4	50·0
	¶ §	**Geldeston** – –	47	29·959	—	47·0	63·8	55·4	+4·5	41	11th	75	31st	57·4	52·7	3·7	1·6	·365	·354	77	89	—	—
	¶ §	**Cambridge** – –	43	29·946	—	46·8	65·0	55·9	+3·7	35	11th	76	31st	56·7	54·1	4·1	2·5	·350	·355	76	84	55·6	50·6
		Woburn – – –	294	29·698	—	46·8	63·3	55·1	—	35	11th	74	31st	55·6	54·5	3·4	2·7	·351	·355	79	82	—	—
		Bennington – M	411	29·590	—	45·7	63·0	54·4	+3·2	37	24th	77	2nd	55·5	52·2	3·8	2·4	·336	·328	76	84	54·4	49·8
Southern Part.	¶ §	**Clacton** – – –	62	29·943	—	48·0	61·2	54·6	+2·3	42	4th	73	17th	55·8	53·4	2·9	2·1	·366	·350	82	87	53·8	51·1
		Berkhamsted – M	397	29·586	—	45·9	63·9	54·9	+3·8	35	11th	77	2nd	55·6	52·8	3·7	2·3	·340	·338	77	84	55·4	—
		District Value –				**47·2**	**63·0**	**54·7**	**+3·5**	**35**		**77**										**55·6**	**51·1**
4. MIDLAND COS.		**Garforth** – – –	198	—	—	42·8	61·4	52·1	—	30	24th	75	27th	54·8	50·1	3·8	2·1	·334	·311	78	85	50·1	46·3
		Huddersfield – –	411	29·510	—	45·7	61·4	53·6	—	38	24th	78	27th	53·6	50·9	3·4	2·1	·326	·323	79	86	51·4	45·1
		Wakefield – M	100	29·850	—	46·8	63·3	55·1	+4·5	39	14th	75	27th	54·9	56·2	4·5	4·4	·312	·330	72	73	—	—
		Belvoir Castle –	276	29·681	—	46·5	63·0	54·8	+3·8	37	23rd	74	31st	54·5	52·9	3·1	2·2	·339	·341	79	86	—	48·8*
Eastern Part.		*Coventry* – –	309	29·658	—	47·2	63·9	55·6	+3·2	38	11th	76	31st	55·5	—	3·9	—	·335	—	76	—	54·1	48·6
	¶ §	Nottingham – –	85	29·868	– ·012	46·3	63·8	55·1	+3·6	38	23rd, 24th	76	31st	54·0	58·7	2·3	3·4	·352	·392	84	79	53·9	48·2
	¶ §	**Birmingham** – –	542	29·396	—	47·0	62·7	54·9	+4·2	39	22nd	77	27th	52·2	53·9	2·9	3·5	·320	·334	82	79	49·7	46·0
	¶ §	Oxford – – –	212	29·781 29·769	+ ·018 + ·026	47·9	63·6	55·8	+3·6	38	11th	76	2nd	54·2 55·5	56·1 —	2·8 3·8	— —	·342 ·338	— —	81 76	— —	— —	— —
	¶ §	Bath – – –	84	29·901	+ ·013	47·9	63·6	55·8	+2·1	36	11th	75	31st	55·1	60·1	3·3	—	·343	—	79	—	54·7	51·1
	¶	**Shrewsbury** – –	212	29·742	—	46·5	64·6	55·6	+3·8	36	24th	76	2nd, 27th	55·7	53·6	4·3	2·5	·333	·350	75	84	—	—
		Buxton – – M	977	28·902	—	44·6	59·9	52·3	+4·3	37	24th	73	31st	53·1	49·0	4·0	1·7	·301	·304	74	87	52·5	45·6
Western Part	§	**Sheffield** – –	450	29·490	—	46·9	62·2	54·6	+3·7	40	22nd	73	31st	55·0	52·4	3·8	2·2	·335	·338	77	85	51·2	45·8
		Stokesay – –	375	29·577	—	45·0	63·5	54·3	—	35	23rd	76	27th	55·9	51·2	3·8	1·8	·344	·330	77	88	—	—
		Cheltenham – M	206	29·765	—	47·9	63·3	55·6	+4·0	39	23rd	74	2, 27, 31st	56·7	54·0	4·1	3·0	·345	·336	75	80	—	—
		District Value –				**46·2**	**63·2**	**54·2**	**+3·1**	**30**		**78**										**51·8**	**47·0**

For notes see p. xlix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of MAY, 1908.

Bright Sunshine.				Cloud (0–10).		Rain and other forms of Precipitation.					Weather. No. of Days of								Wind Force (0–12).		Wind Direction. No. of Observations at 8 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								Stations.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																			
—	—	—	—	7·9	7·5	16	2·24	+0·39	0·62	6th	0	0	0	0	19	4	—	0	11	3	1	10	14	11	6	4	12	1	Sumburgh Head.
149	-30	29	- 6	7·7	7·4	18	2·73	+0·81	0·53	21st	0	1	0	0	15	9	—	0	30	2	1	1	**18**	**15**	9	5	8	3	Deerness.
191	- 2	37	- 1	6·5	6·7	23	2·57	+0·12	0·41	8th	0	**2**	0	4	11	0	—	0	**46**	3	2	6	10	6	12	15	*6*	2	Stornoway.
209	—	41	—	8·1	8·3	23	2·60	—	0·43	5th	0	0	1	0	**21**	**12**	—	0	19	0	0	0	15	14	6	6	15	6	Castlebay (Barra Isd.)
—	—	—	—	6·6	6·6	18	2·75	+0·88	0·45	3rd, 9th	0	**2**	0	0	12	6	—	0	*5*	0	4	1	7	12	**17**	5	9	**7**	Wick.
—	—	—	—	—	—	18	2·00	-0·18	0·36	8th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
—	—	—	—	7·4	6·0	24	3·84	-0·66	0·44	17th	0	0	1	2	9	0	—	0	7	**23**	0	2	6	7	*1*	11	10	2	Strathpeffer.
183	+12	36	+ 2	6·6	5·9	17	1·58	-0·50	0·35	8th	0	0	1	**5**	15	1	—	0	28	0	**16**	0	**18**	0	*1*	*1*	**26**	0	Glencarron.
—	—	—	—	7·1	6·3	17	2·36	+0·06	0·70	8th	0	0	1	3	11	2	—	0	24	7	2	**17**	3	0	8	19	*6*	0	Fort Augustus.
145	+ 9	29	+ 2	8·2	6·8	22	4·31	+0·55	0·97	8th	0	0	1	4	17	**12**	—	0	6	12	0	11	*2*	0	2	**25**	10	0	Fort William
—	—	—	—	—	—																								
167	**- 2**	**33**	**0**	**7·3**	**6·8**	**20**	**2·87**	**+0·13**	**0·97**																				
—	—	—	—	—	—	14	2·33	+0·27	0·65	8th	0	0	0	—	—	3	—	0	0	6	1	3	18	10	3	8	*3*	**10**	Dunrobin Castle.
—	—	41	—	7·8	7·4	15	1·29	-0·38	0·31	8th	0	0	1	0	15	**6**	—	0	1	**8**	0	*1*	18	2	2	8	22	1	Nairn.
210	—	—	—	6·3	6·3	11	1·17	-0·94	0·25	8th	0	0	1	2	*9*	0	—	0	1	0	1	**12**	0	14	10	**21**	*3*	1	Gordon Castle.
—	—	—	—	6·5	7·4	15	1·51	-0·63	0·34	21st	0	0	1	2	12	4	—	0	1	**8**	0	3	6	11	**15**	10	9	0	Aberdeen.
206	+17	41	+ 4	5·9	6·1	17	1·42	-0·62	0·39	21st	0	0	2	3	*9*	**6**	0	3	**54**	0	**2**	*1*	1	9	**15**	10	18	6	Tillypronie.
—	—	—	—	5·6	—	11	1·42	-0·88	0·30	8th	0	1	0	**12**	16	4	**5**	0	0	0	**2**	2	6	0	10	14	28	0	Balmoral.
—	—	—	—	7·6	8·3	20	1·82	-0·08	0·45	8th	0	1	1	1	**18**	0	—	0	12	0	0	2	6	**20**	0	**21**	12	1	Dundee
—	—	—	—	6·4	6·3	22	2·41	+0·06	0·61	8th	0	0	2	2	11	1	—	0	12	0	0	2	20	0	4	*2*	**34**	0	Crieff.
—	—	—	—	7·2	6·4	17	1·99	+0·32	0·41	12th	0	0	1	1	12	1	—	0	3	2	0	**12**	11	2	5	7	21	2	Leith.
174	- 5	35	- 1	6·9	7·1	20	3·08	+0·71	0·52	30th	0	0	**3**	4	15	0	1	0	1	0	1	4	**26**	5	2	6	17	1	Marchmont.
192	**+ 7**	**38**	**+ 1**	**6·7**	**6·9**	**17**	**1·98**	**-0·18**	**0·65**																				
179	—	36	—	7·1	6·1	21	1·84	-0·44	0·36	5th	0	0	**7**	1	10	0	3	0	**14**	5	0	4	2	12	*1*	13	14	11	Cockle Park (Morpeth).
—	—	—	—	7·8	7·7	17	1·85	+0·14	0·30	3rd, 30th	0	0	*1*	0	17	**5**	—	0	3	0	3	3	10	11	8	14	11	*2*	Shields.
—	—	—	—	7·3	7·3	13	1·28	-0·71	0·27	3rd	0	0	3	0	13	3	—	0	**14**	3	3	4	4	**14**	4	19	9	*2*	Seaham.
—	—	—	—	7·6	7·7	17	1·79	-0·21	0·32	5th	0	1	5	1	17	0	0	0	2	**14**	2	2	5	*2*	11	15	8	3	Durham.
177	+7	36	+ 1	5·9	5·7	11	2·29	+0·42	1·45	30th	0	0	2	3	8	0	—	0	0	4	0	7	0	8	*2*	**29**	*1*	11	Whitby.
182	—	37	—	5·9	5·7	11	2·29	+0·42	1·45	30th	0	0	5	**4**	**18**	1	0	0	3	8	1	10	1	6	8	19	6	3	Rounton.
—	—	—	—	7·7	7·2	19	1·80	-0·07	0·41	3rd	0	0	*1*	0	16	4	—	0	10	0	2	**14**	0	13	2	*11*	7	**13**	Scarborough.
173	—	35	—	8·0	8·4	12	1·32	-0·64	0·21	3rd, 7th	0	0	*1*	4	2	7	0	—	0	1	2	4	8	3	**13**	12	17	*2*	York.
152	-26	31	- 5	6·7	6·1	13	2·36	+0·45	0·48	6th	0	1	4	2	7	0	—	0	0	1	2	6	5	6	2	12	13	3	Hull.
116	—	24	—	7·0	6·6	14	1·10	-0·79	0·25	7th	0	0	2	1	10	1	0	0	1	13	2	6	5	6	2	12	13	3	Spurn Head.
—	—	—	—	5·0	6·2	11	1·09	-0·44	0·20	7th	0	0	5	3	*6*	4	—	0	13	0	**6**	7	5	9	7	14	12	2	Skegness.
221	—	45	—	5·2	5·4	11	1·21	—	0·24	6th	0	0	*1*	3	*6*	1	—	0	3	0	3	6	9	8	2	*11*	**21**	*2*	Lincoln.
—	—	—	—	6·1	4·9	15	2·21	+0·43	0·63	6th	0	1	2	3	7	0	—	0	0	4	0	4	**11**	5	3	13	15	7	
186	**- 9**	**38**	**- 2**	**6·8**	**6·6**	**14**	**1·69**	**-0·11**	**1·45**																				
200	—	41	—	7·5	7·4	14	1·25	—	0·21	7th	0	0	1	3	**16**	0	—	0	19	2	6	6	*1*	6	7	19	7	**8**	Cromer.
197	- 7	41	- 1	7·0	6·8	12	1·76	-0·16	0·55	13th	0	0	**4**	1	11	0	**2**	0	2	3	2	10	6	7	*1*	*10*	**21**	2	Hillington.
—	—	—	—	—	—	14	1·79	—	0·38	22nd	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Norwich.
228	—	47	—	6·3	5·7	14	1·85	+0·07	0·40	13th	0	0	1	0	*1*	**3**	—	1	15	*1*	**7**	**12**	4	**8**	5	14	8	3	Yarmouth.
211	—	44	—	5·7	4·6	12	0·97	-0·67	0·24	13th	0	0	1	**5**	6	**3**	0	**2**	9	3	2	9	6	6	5	12	13	6	Lowestoft.
195	-23	40	- 5	7·	6·0	14	1·34	-0·41	0·27	13th	0	**2**	1	**5**	12	2	—	0	0	2	4	6	**9**	2	5	18	15	*1*	Geldeston.
204	+ 2	42	0	7·8	5·9	14	1·16	-0·68	0·25	11th	0	1	2	0	9	1	**2**	0	**23**	**12**	**7**	*3*	*1*	5	4	**20**	7	3	Cambridge.
—	—	—	—	7·4	6·0	14	1·71	—	0·23	3rd	0	0	0	0	10	2	—	0	16	3	2	9	4	2	8	18	12	4	Woburn.
—	—	—	—	6·8	5·7	14	1·56	-0·39	0·30	2nd	0	1	**4**	1	7	1	1	0	0	**12**	0	6	4	6	4	17	12	*1*	Bennington.
—	—	—	—	6·5	6·1	12	0·95	—	0·31	23rd	0	1	2	0	5	1	0	0	18	*1*	4	8	4	5	**9**	14	14	3	Clacton.
193	—	40	—	6·5	6·1	12	0·95	—	0·31	23rd	0	1	2	0	5	1	0	0	18	*1*	4	8	4	5	**9**	14	14	3	Clacton.
189	—	38	—	6·6	5·5	17	1·82	-0·19	0·30	2nd	0	**2**	2	1	7	0	1	0	0	9	2	5	5	3	8	12	16	2	Berkhamsted.
201	**- 5**	**42**	**- 1**	**6·9**	**6·0**	**13**	**1·48**	**-0·39**	**0·57**																				
168	—	34	—	7·1	6·1	17	2·77	—	0·63	12th	0	0	3	2	9	0	—	0	0	**18**	1	7	3	2	7	*8*	15	*1*	Garforth.
152	—	31	—	7·1	5·5	20	2·15	—	0·46	12th	0	0	4	2	8	0	0	0	3	6	2	5	4	5	8	12	16	4	Huddersfield.
—	—	—	—	6·2	5·0	14	2·23	+0·28	0·43	3rd	0	0	5	3	*4*	0	—	0	3	3	0	**11**	3	**9**	5	13	17	*1*	Wakefield.
214	—	44	—	6·4	6·9	15	1·79	-0·19	0·41	6th	0	1	**8**	*1*	11	2	0	0	15	9	5	5	2	*1*	**13**	14	11	2	Belvoir Castle.
277	—	37	—	7·5	—	16	2·24	+0·26	0·42	2nd	0	0	0	2	**19**	0	0	0	8	16	0	6	4	2	6	**20**	*6*	2	Coventry.
191	—	39	—	6·6	6·5	15	1·92	0·0	0·38	3rd	0	0	1	2	9	0	0	0	0	0	2	7	**7**	4	5	18	18	*1*	Nottingham.
164	—	34	—	7·5	4·9	14	3·03	+0·80	1·16	2nd	0	0	1	2	6	0	1	0	1	4	4	8	2	5	10	**20**	*6*	3	Birmingham.
194	- 1	40	- 1	7·1 6·7	5·5	14	1·50 1·47	-0·32 -0·52	0·39	2nd	0	0	1	2	10	0	1	0	19	4	3	7	3	3	**13**	18	9	2	Oxford.
—	—	—	—	—	—																								
195	—	41	—	6·7	5·1	14	0·95	—	0·20	2nd	—	—	—	**5**	11	—	—	—	**25**	0	0	**11**	3	3	*4*	16	**19**	6	Bath.
—	—	—	—	7·5	6·4	14	1·56	—	0·58	2nd	0	1	1	*1*	13	0	0	0	8	4	0	2	4	**9**	5	10	11	**17**	Shrewsbury.
198	—	41	—	6·7	5·4	19	4·12	+0·85	0·57	12th	0	1	5	4	8	0	0	0	14	14	0	0	**7**	6	6	*8*	18	3	Buxton.
181	—	37	—	7·3	6·6	15	2·35	+0·04	0·47	3rd	0	1	0	2	12	0	1	0	2	4	5	3	2	4	10	17	11	6	Sheffield.
—	—	—	—	8·0	5·8	14	3·17	—	0·73	31st	0	0	1	**5**	5	0	0	0	2	6	**7**	7	0	6	12	10	9	5	Stokesay.
209	—	43	—	5·6	4·6	13	1·60	-0·35	0·53	31st	0	0	1	**5**	5	0	0	0	5	11	0	5	0	8	7	18	12	*1*	Cheltenham.
181	**- 5**	**37**	**- 1**	**7·0**	**5·7**	**14**	**2·10**	**+0·03**	**1·16**																				

TABLE IX. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
			ft.	Ins.	Ins.	Min.	Max.											In.	In.	%	%		
5. ENGLAND, S.E.		Reading	264	29·713	—	47·0	64·1	55·6	—	38	11th	76	2nd	56·0	54·2	3·2	2·3	·360	·355	80	84	—	—
		Salisbury	186	29·801	—	45·6	62·9	54·3	+1·7	35	11th	75	27th	55·9	53·2	2·4	1·6	·380	·360	85	89	56·3	—
		Dover	231	29·758	+·035	46·7	59·4	53·1	—	41	22nd, 23rd	70	31st	53·1	54·2	2·2	2·7	·344	·345	84	82	52·1	47·9
		Brighton	48	29·977	—	48·5	59·4	54·0	+1·0	40	24th	72	29th	54·7	—	2·6	—	·355	—	83	—	—	50·7
	§	Eastbourne	36	29·985	—	48·2	59·7	54·0	+1·4	40	24th	69	28th	55·2	52·6	2·8	2·2	·359	·341	83	86	54·2	50·5
		Portsmouth	18	30·011	—	49·2	62·3	55·8	+2·8	44	23rd	73	29th	56·7	—	3·8	—	·354	—	76	—	56·9	52·5
	¶	Dungeness	21	29·973	+·033	48·7	57·0	52·9	+1·2	45	25th	64	31st	52·5	53·2	1·7	1·7	·349	·358	89	89	—	—
	¶	Hastings	174	29·832	—	48·0	59·5	53·8	+1·9	42	23rd	72	31st	54·3	51·6	2·6	1·6	·349	·340	82	89	55·5	49·7
	¶ §	Southampton	84	29·936	—	48·9	64·4	56·7	+3·0	40	23rd	74	27th	57·6	54·6	4·1	2·7	·362	·356	76	83	—	—
	¶ §	*Ventnor*	80	29·924	—	49·0	59·8	54·4	+1·3	44	7th	72	29th	55·2	—	2·9	—	·355	—	82	—	—	—
		District Value				**47·6**	**62·1**	**54·5**	**+2·1**	**31**		**79**										**54·7**	**50·1**
LONDON	¶ §	Tottenham	55	29·940	—	48·9	64·5	56·7	+2·9	40	24th	75	28th	57·7	55·5	2·9	1·6	·393	·399	82	89	—	49·9
		Camden Square	123	29·877	—	48·7	67·2	58·0	+3·7	42	23rd	78	27th	57·7	56·0	3·5	2·0	·376	·391	78	87	54·3	48·2
		Westminster	54	29·931	+·012	49·8	64·0	56·9	+3·5	41	23rd	75	1st, 31st	55·0	61·0	3·4	6·3	·339	·351	79	66	—	—
		Greenwich	159	29·834 29·825	— +·031	47·2	66·2	56·7 55·9	+2·9 +2·9	38	24th	77	19th	57·5	54·0	4·4	2·8	·349	·339	73	81	—	50·6
		Norwood	235	29·783	—	48·0	65·7	56·9	+4·1	40	23rd	77	19th	58·1	54·3	4·8	2·7	·348	·346	72	82	54·2	—
	¶ §	Kew	34	29·977	+·017	48·8	64·2	56·5	+3·9	42	23rd	76	31st	56·6	55·7	4·0	3·3	·347	·353	76	79	55·0	49·7
		Bunhill Row		29·967	+·016			56·3	+4·0														
				—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	¶	Laudale	25	29·840	—	45·6	60·2	52·9	+2·6	38	22nd	78	28th	54·4	51·0	2·7	1·1	·355	·350	83	92	—	—
	¶	Poltalloch	135	29·757	—	45·5	59·8	52·7	+2·6	37	21st	78	28th	52·7	49·5	3·4	2·3	·310	·297	78	84	—	—
	¶ §	Glasgow	184	29·703	—	45·4	58·1	51·8	+1·8	40	23rd	76	28th	51·5	50·6	3·2	2·6	·303	·307	79	83	—	—
SCOTLAND, W.	¶	Rothesay	76	29·818	—	45·3	59·9	52·6	+2·6	39	22nd, 23rd	77	28th	52·4	50·4	3·2	2·7	·311	·298	79	82	—	47·0
	¶	*Colmonell*	140	29·783	—	44·8	60·4	52·6	+2·8	39	22nd, 26th	77	28th, 29th	54·2	—	3·3	—	·330	—	78	—	—	—
6.	¶	Dumfries	60	29·869	—	44·9	62·7	53·8	+2·8	39	16th, 21st	79	28th	53·8	53·2	3·7	3·6	·315	·311	76	77	—	—
	¶	Cally	120	—	—	43·4	59·5	51·5	+1·6	35	23rd	73	30th	54·2	48·8	2·5	2·3	·350	·290	83	84	—	—
ISLE OF MAN	¶ §	Douglas	140	29·773	—	44·8	58·0	51·4	+1·5	38	21st	70	29th	52·3	49·7	2·4	1·4	·333	·324	85	90	—	—
		District Value				**44·9**	**59·8**	**52·0**	**+2·1**	**34**		**79**											
		Southport	42	29·914	—	47·2	60·7	54·0	+3·5	37	24th	75	28th	55·1	52·4	3·4	2·1	·341	·338	78	86	56·6	51·7
		Manchester (City)	195	29·754	—	48·9	62·4	55·7	—	41	3rd	74	28th	55·1	54·8	3·7	3·4	·337	·343	77	79	52·3	47·6
		„ (Whitworth P'k)	127	29·811	—	48·0	62·4	55·2	—	40	23rd	75	31st	54·7	54·2	4·2	3·5	·316	·325	74	78	—	—
ENGLAND, N.W.	¶ §	Aspatria	254	29·653	—	45·1	59·5	52·3	+1·9	38	13th	75	28th	53·1	50·1	2·8	1·6	·334	·324	83	89	—	—
	¶ §	Newton Rigg	559	29·321	—	43·8	59·5	51·7	+2·6	35	14th	74	27th	51·9	50·6	3·2	2·1	·306	·316	79	86	51·0	46·2
	¶ §	Stonyhurst	363	29·568	—	45·8	59·4	52·6	+2·3	37	23rd	71	28th, 31st	54·0	51·5	3·8	2·6	·321	·318	77	83	—	—
	¶ §	Blackpool M	73	29·879	—	46·7	58·4	52·6	+1·9	38	24th	72	28th	54·6	51·3	2·3	1·3	·361	·344	85	91	—	47·5
7.	¶	M'nch't'r (Prestwich)	320	29·606	—	46·1	62·2	54·2	+3·8	38	24th	75	27th	54·5	54·0	2·0	1·7	·368	·368	87	88	—	—
	¶	Liverp'l, Bidston Obs.	197	29·736	—	47·9	60·2	54·1	+2·6	42	22nd	72	28th	54·6	52·4	3·9	2·7	·322	·324	76	82	—	—
	¶ §	Llandudno M	21	29·926	—	48·0	60·5	54·3	+2·7	43	7, 13, 15th	74	28th	55·5	53·5	3·9	3·4	·335	·319	76	78	—	—
NORTH WALES	¶	Holyhead	48	29·879	−·042	47·0	57·2	52·1	+1·1	42	7th	72	28th	52·3	52·7	1·6	1·7	·349	·351	89	88	—	—
	¶ §	Bettws-y-Coed	100	29·814	—	47·0	61·6	54·3	+2·9	38	23rd	73	2nd	55·9	51·7	4·2	1·7	·335	·339	74	88	51·9	47·7
		District Value				**46·5**	**60·1**	**52·9**	**+2·2**	**35**		**78**										**53·0**	**48·1**
SOUTH WALES	¶ §	*Llangammarch Wells*	585	29·341	—	44·2	60·0	52·1	+1·6	34	24th	75	27th	52·8	—	2·6	—	·330	—	82	—	51·9	47·6
	¶ §	Pembroke	150	29·786	−·032	47·3	55·5	51·4	+0·7	43	22nd	67	28th	50·3	52·2	1·0	1·7	·339	·345	93	89	—	—
		Clifton	229	—	—	49·3	63·1	56·2	+2·8	41	23rd	77	27th	—	—	—	—	—	—	—	—	—	—
8	¶	Portland Bill	23	29·978	+·011	48·7	55·8	52·3	−1·1	42	5th	71	29th	52·1	53·2	1·5	1·9	·350	·352	89	86	—	—
	¶ §	Plymouth	116	29·890	—	49·5	59·8	54·7	+1·5	42	11th	73	2nd	55·0	54·0	3·1	2·6	·349	·351	81	84	55·8	—
ENGLAND, S.W.	¶ §	Falmouth	183	29·825 29·551	+·025 −·242	48·7	58·5	53·6 53·3	+1·5 +1·5	44	7th	67	29th	54·5	52·1	2·9	1·7	·345	·344	81	88	—	—
		Woolacombe	79	29·885	—	49·2	59·6	54·4	+0·4	44	11th	75	2nd	54·4	53·2	2·8	2·5	·346	·338	82	83	—	—
		Rousdon	516	29·457	—	46·3	58·1	52·2	—	39	11th	70	28th	52·8	52·1	2·1	1·8	·343	·342	86	88	54·7	51·0
		Whitchurch	595	29·361	—	46·4	59·7	53·1	—	39	7th	73	2nd	54·0	50·7	2·4	1·1	·351	·342	84	92	53·8	—
9 IRELAND, N.		District Value				**47·4**	**59·9**	**53·3**	**+1·6**	**34**		**77**										**54·1**	**49·2**
Western Part.	¶	Malin Head	230	29·582	−·094	45·2	56·0	50·6	+0·9	41	22nd, 25th	73	28th	49·8	53·0	0·8	1·5	·337	·361	94	90	—	—
	¶	Blacksod Point	41	29·799	−·104	46·6	57·2	51·9	+0·9	39	13th	71	30th	51·7	53·9	1·8	2·4	·337	·349	88	85	—	—
	¶ §	Markree Castle	127	29·753	—	44·5	61·2	52·9	+2·9	35	25th	75	28th	55·0	50·7	3·6	2·0	·341	·324	78	87	—	—
Eastern Part.	¶	Donaghadee	40	29·865	−·046	45·7	57·9	51·8	+1·6	39	7th	67	17th	50·5	54·2	1·6	3·2	·327	·332	89	79	—	—
	¶ §	Armagh	202	29·668	—	45·8	61·2	53·5	+3·1	38	7th, 22nd	74	28th	54·7	51·2	3·9	3·5	·330	·293	76	78	53·5	49·2
		Belfast	55	29·859	—	45·0	61·1	53·1	—	37	25th	73	28th	54·4	50·1	4·0	2·0	·321	·314	76	87	—	—
10. IRELAND, S.		District Value				**45·6**	**58·7**	**51·8**	**+1·5**	**35**		**75**											
Eastern Part.	§	Dublin (Phœnix P'k)	159	29·741	—	45·0	60·5	52·8	+3·3	38	23rd	71	1st	54·6	51·1	3·0	1·5	·350	·338	81	90	—	—
	¶	„ (Trinity Coll'ge)	17	29·898	—	48·3	61·4	54·9	—	41	7th	71	26th	55·4	53·4	3·9	2·8	·337	·336	76	82	53·5	50·0
	¶	„ (City)	53	29·856	—	48·7	61·7	55·2	+3·0	41	7th	68	17th	55·0	53·6	4·0	2·9	·329	·334	76	81	—	—
	¶	*Waterford*	100	—	—	47·1	60·6	53·9	+2·4	37	7th	73	28th	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ §	Birr Castle	173	29·699	—	45·9	61·0	53·5	+2·2	35	7th	76	28th	55·6	53·7	2·2	1·7	·388	·373	86	89	—	—
	¶	*Killarney*	174	—	—	48·1	62·9	55·5	+3·4	40	7, 12, 20th	77	28th	—	—	—	—	—	—	—	—	—	—
	¶ §	Valencia	62	29·864 29·859	−·089 −·089	48·9	59·5	54·2 54·0	+2·0 +1·8	42	15th	73	28th	54·8	52·9	2·3	1·8	·365	·351	86	88	—	—
	¶	Roche's Point	42	29·890	−·041	48·0	57·5	52·8	+0·4	39	12th	69	30th	52·4	53·7	1·4	2·2	·355	·352	90	86	—	—
		District Value				**47·6**	**60·8**	**53·8**	**+2·0**	**35**		**77**											
11. ENGLISH CHANNEL	¶ §	Scilly	20	29·973	+·008	49·1	57·4	53·3	+0·8	47	7th, 8th	63	28th	51·9	54·0	2·1	2·4	·331	·350	87	84	—	—
	¶ §	Jersey	36	30·013	+·056	49·3	62·3	55·8	+2·1	45	19th, 23rd	78	2nd	54·4	57·1	2·5	3·9	·353	·355	83	76	—	—
		Guernsey (Brooklyn)	311	29·715	—	48·5	59·1	53·8	+1·0	45	19th	70	2nd	53·3	51·2	2·0	1·4	·351	·340	86	91	56·4	52·2
		District Value				**49·2**	**60·2**	**54·3**	**+1·2**	**45**		**78**											

For notes see p. xlix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of MAY, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.					WEATHER. No. of Days of								WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																				
190	—	40	—	6·7	5·5	14	1·25	−0·36	0·27	14th	0	0	0	2	7	0	—	0	2	16	2	7	3	0	6	13	15	0	Reading.
—	—	—	—	6·3	4·6	16	2·44	+0·47	0·81	2nd	0	0	1	2	6	3	1	0	15	0	1	1	1	3	6	23	12	15	Salisbury.
205	—	43	—	7·7	5·9	11	1·03	—	0·43	29th	0	0	1	3	19	1	0	0	5	6	7	6	4	2	8	26	6	3	Dover.
205	−16	43	− 3	7·1	—	11	1·49	−0·10	0·35	14th	0	0	3	5	18	0	0	0	16	10	0	6	2	10	2	24	6	2	Brighton.
206	−22	43	− 5	6·5	4·7	13	1·34	−0·26	0·24	14th	0	0	1	4	7	0	—	0	2	17	1	8	1	4	2	8	16	5	Eastbourne.
231	—	49	—	5·9	—	13	1·42	−0·14	0·38	14th	0	0	1	6	12	0	0	0	32	0	0	8	2	10	4	12	18	8	Portsmouth.
—	—	—	—	7·9	8·1	12	1·36	+0·13	0·27	20th, 29th	0	0	2	0	15	9	—	0	35	0	1	13	4	2	3	29	9	1	Dungeness.
205	−30	43	− 6	6·9	4·2	13	1·05	−0·55	0·24	11th	0	0	2	4	6	4	—	0	17	5	2	10	4	5	5	16	12	3	Hastings.
219	0	46	0	7·3	5·9	18	2·26	+0·35	0·68	14th	0	1	2	2	11	0	0	0	14	0	0	7	0	10	2	29	5	9	Southampton.
210	−18	44	− 4	6·4	—	15	1·47	−0·11	0·31	5th	0	0	0	3	9	1	—	0	15	2	5	3	7	4	3	20	13	5	Ventnor.
201	**− 8**	**42**	**− 2**	**6·9**	**5·6**	**15**	**1·75**	**−0·05**	**0·96**																				
196	—	41	—	6·7	5·4	9	1·49	—	0·38	2nd	0	1	2	1	6	0	0	0	0	8	0	8	5	2	1	20	16	2	Tottenham.
174	—	36	—	6·5	—	11	1·95	+0·20	0·60	29th	0	0	2	3	13	0	0	—	—	10	4	16	0	0	8	8	10	6	Camden Square.
198	+11	37	+ 2	6·0	6·3	13	1·57	−0·12	0·47	29th	0	1	2	2	11	0	0	0	13	6	1	7	8	2	3	17	14	4	Westminster.
200	+14	41	+ 2	7·2	4·9	15	1·53	−0·39	0·53	30th	0	2	0	2	6	0	1	0	5	4	2	7	6	3	4	18	15	3	Greenwich.
—	—	—	—	6·9	4·8	13	1·90	+0·18	0·38	11th	0	1	3	4	7	3	0	0	5	5	3	12	2	2	8	15	12	3	Norwood.
191	−10	40	− 2	7·2	5·3	13	1·36	−0·37	0·33	29th	0	0	2	2	8	0	0	0	11	8	0	7	7	3	4	17	14	2	Kew.
169	− 6	35	− 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	7·8	7·3	21	4·54	+0·76	0·72	31st	0	**2**	1	**4**	**18**	0	—	0	28	8	**5**	0	0	11	20	*4*	13	*1*	Laudale.
—	—	—	—	7·4	7·4	24	3·19	+0·60	0·51	8th	0	1	**3**	2	15	0	—	0	21	8	1	2	3	6	**21**	7	12	2	Poltalloch.
163	− 2	33	0	7·9	7·6	21	3·16	+0·74	0·56	24th	0	**2**	**3**	*1*	15	0	0	0	4	8	1	6	14	*2*	6	13	11	*1*	Glasgow.
—	—	—	—	6·9	7·6	23	2·72	−0·01	0·55	8th	0	0	2	2	15	**2**	—	0	7	**9**	0	1	**16**	3	5	9	**16**	3	Rothesay.
—	—	—	—	6·7	—	17	1·85	−0·67	0·27	8th	0	1	1	3	10	0	0	0	16	0	0	0	6	**18**	*2*	**22**	4	10	Colmonell.
—	—	—	—	6·6	5·6	23	3·39	+0·98	0·41	3rd, 8th	0	1	2	**4**	*8*	0	0	0	15	2	2	**9**	**8**	10	4	17	*3*	7	Dumfries.
—	—	—	—	—	—	20	3·44	+0·50	0·72	8th	0	0	0	—	—	1	—	0	8	0	0	3	3	12	12	16	*3*	**13**	Cally.
—	—	—	—	7·5	6·6	16	2·18	−0·14	0·48	7th	0	0	0	*1*	13	**2**	0	0	**37**	6	2	3	6	7	8	14	11	5	Douglas.
214	−12	44	− 2	**7·3**	**7·0**	**20**	**3·01**	**+0·14**	**0·72**																				
189	**− 7**	**38**	**− 2**	6·7	6·7	18	2·72	+0·62	0·69	2nd	0	0	3	*2*	13	0	1	0	**31**	4	2	**4**	7	**9**	7	16	8	5	Southport.
226	+13	46	+ 2	—	—	17	2·39	+0·07	0·46	2nd	0	1	2	—	—	0	0	0	0	*2*	4	**4**	4	8	**15**	13	8	4	Manchester (City).
151	—	31	—	7·2	6·7	18	1·98	—	0·42	2nd	0	1	0	*2*	9	0	0	0	5	7	1	3	5	4	8	16	12	**6**	„ (Whitworth P'k).
155	—	32	—	6·3	6·2	19	2·94	+0·63	0·41	8th	0	0	2	3	9	0	0	0	12	10	6	2	5	4	3	18	12	2	Aspatria.
201	—	41	—	6·4	5·8	17	1·36	—	0·42	2nd	0	0	1	2	9	11	—	0	19	**12**	*1*	2	8	2	5	18	10	4	Plymouth.
191	− 7	39	− 1	7·1	5·6	20	2·14	−0·05	0·42	2nd	0	0	1	3	11	0	1	0	11	14	3	1	4	**9**	12	15	*4*	0	Newton Rigg.
188	− 7	38	− 2	7·3	6·1	21	3·84	+1·16	0·70	2nd	0	**4**	**7**	3	11	1	**3**	0	4	**24**	1	**4**	5	*1*	5	8	14	0	Stonyhurst.
230	+27	47	+ 6	6·8	7·4	18	2·85	+0·82	0·56	2nd	0	0	2	**4**	12	0	0	0	20	*2*	4	**4**	6	**9**	6	17	8	**6**	Blackpool.
179	+ 7	37	+ 2	7·8	7·2	18	2·98	+0·59	0·55	2nd	0	0	2	*2*	**18**	0	0	0	9	3	2	2	**11**	3	7	11	23	0	Manchester (Prestwich).
206	—	42	—	6·4	6·3	19	2·91	+1·05	0·70	2nd	0	0	4	*2*	9	0	—	0	8	*2*	0	3	8	8	6	17	14	4	Liverpool, Bidston Obs.
212	+ 6	44	+ 2	5·8	5·7	19	2·06	+0·22	0·68	2nd	0	0	2	3	6	1	—	0	1	12	**8**	3	*1*	*1*	0	*3*	**34**	0	Llandudno.
—	—	—	—	7·4	6·4	16	1·91	+0·09	0·46	7th	0	0	2	*2*	16	**12**	—	0	24	5	3	**4**	4	3	5	**29**	5	4	Holyhead.
166	—	34	—	6·2	5·3	22	3·44	—	0·58	5th	0	0	3	**4**	*5*	0	0	1	13	4	2	0	*1*	5	4	25	15	**6**	Bettws-y-Coed.
197	**− 2**	**40**	**− 1**	**6·8**	**6·3**	**19**	**2·76**	**+0·53**	**1·02**																				
159	—	33	—	8·0	—	19	3·19	—	0·47	5th	0	0	0	*2*	**20**	2	5	0	0	8	4	4	*2*	0	8	*6*	**20**	**10**	Llangammarch Wells.
176	−47	37	− 9	6·8	6·1	20	1·99	−0·16	0·53	14th	0	0	1	*2*	10	11	—	0	**30**	2	2	5	3	3	**9**	**29**	6	3	Pembroke.
195	—	41	—	—	—	17	1·82	−0·32	0·36	30th	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·4	5·8	17	1·36	—	0·42	2nd	0	0	1	*2*	*9*	11	—	0	29	3	3	5	**10**	2	5	18	14	*2*	Portland Bill.
197	−24	42	− 5	7·1	6·2	20	2·13	+0·28	0·52	13th	0	0	0	3	11	5	0	0	12	6	**5**	6	5	1	7	21	6	5	Falmouth.
183	−53	39	−11	6·5	6·3	17	2·34	+0·18	0·60	14th	0	0	0	**4**	14	0	—	0	15	7	*1*	4	6	6	*2*	27	*5*	4	Woolacombe.
189	−25	40	− 5	6·5	6·2	16	1·52	−0·07	0·53	14th	0	0	1	**6**	16	4	—	0	4	4	3	**8**	3	2	*2*	21	10	9	Rousdon.
208	—	44	—	7·1	5·3	17	1·92	—	0·42	13th	0	0	1	4	11	**17**	0	0	4	4	3	*1*	6	**9**	6	17	12	8	Whitchurch.
—	—	—	—	7·4	6·6	18	3·14	—	0·75	13th, 14th	0	0	1	3	16	11	0	1	9	0	3	*1*	6	**9**	6	17	12	3	Malin Head.
178	**−30**	**37**	**− 7**	**7·0**	**6·1**	**19**	**2·10**	**−0·08**	**0·75**																				
—	—	—	—	7·2	6·8	26	1·75	−0·33	0·30	24th	0	1	1	0	11	**9**	—	0	24	0	*1*	*1*	**11**	8	11	15	12	3	Blacksod Point.
—	—	—	—	7·7	7·2	22	2·59	−0·17	0·32	8th, 23rd	0	0	0	0	11	0	—	0	**37**	0	2	4	3	*2*	9	**26**	**13**	3	Markree Castle.
162	−27	33	− 5	8·0	6·1	21	3·62	+1·11	0·75	2nd	0	**3**	**4**	2	10	0	**5**	0	8	19	**4**	2	*1*	**10**	**16**	*4*	2	4	Markree Castle.
—	—	—	—	7·0	5·8	19	1·79	−0·42	0·32	14th	0	1	1	1	*9*	3	—	0	8	3	2	**8**	7	9	11	10	9	3	Donaghadee.
178	− 9	36	− 2	7·7	5·8	21	2·24	+0·02	0·41	11th	0	1	1	**4**	**16**	1	0	0	3	**25**	*1*	*1*	3	5	11	15	*1*	0	Armagh.
—	—	—	—	—	—	23	2·10	−0·08	0·25	14th	0	0	0	—	—	4	—	0	0	22	*1*	4	*1*	*2*	7	10	8	**7**	Belfast.
170	**−18**	**35**	**− 3**	**7·5**	**6·3**	**22**	**2·40**	**−0·04**	**0·75**																				
200	−12	41	− 3	7·5	6·1	20	1·79	−0·20	0·29	24th	0	2	1	2	13	0	0	0	5	**24**	2	3	4	*1*	8	18	*1*	*1*	Dublin (Phœnix Park).
194	—	40	—	7·7	5·7	16	1·21	—	0·22	7th	0	0	0	3	14	0	0	0	*2*	21	0	*1*	8	**8**	*4*	*1*	**16**	3	„ (Trinity College)
—	—	—	—	6·7	4·6	21	1·37	−0·60	0·23	14th	0	**5**	**2**	**4**	*5*	0	0	0	8	*1*	1	**8**	**9**	5	7	16	11	4	„ (City)
—	—	—	—	—	—	15	1·93	−0·17	0·47	7th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
—	—	—	—	—	—	23	2·82	+0·63	0·34	24th	0	0	1	**4**	16	0	—	0	4	8	0	*1*	*1*	4	16	**22**	7	3	Birr Castle.
168	−19	35	− 3	7·4	7·0	21	3·52	+0·56	0·64	21st	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
—	—	—	—	—	—	23	3·64	+0·68	0·83	4th	0	1	0	*1*	**18**	0	—	0	**20**	10	1	*1*	3	5	**18**	14	8	2	Valencia.
167	−45	35	− 9	7·5	7·8	25	2·23	−0·29	0·43	7th	2	1	1	2	13	7	—	0	**20**	*1*	**3**	*1*	7	5	14	17	7	**7**	Roche's Point.
—	—	—	—	6·6	6·5	21	2·53	**+0·03**	**0·83**																				
174	**−28**	**36**	**− 6**	**7·2**	**6·3**	14	1·31	−0·30	0·46	14th	0	0	0	0	**17**	*9*	—	0	**29**	0	1	6	8	*1*	**10**	**17**	*13*	6	Scilly.
176	−62	37	−13	7·5	7·9	16	1·30	−0·61	0·31	14th	0	0	1	**3**	12	9	—	0	**29**	0	0	*5*	**11**	**4**	*3*	*9*	**22**	**8**	Jersey.
195	−55	41	−12	7·2	5·8	18	1·40	−0·51	0·31	2nd	0	0	**2**	**3**	*8*	**10**	0	0	*18*	4	**3**	**9**	*1*	3	9	16	14	*3*	Guernsey (Brooklyn).
215	−47	46	−10	6·6	5·2																								
194	**−55**	**41**	**−12**	**7·1**	**6·3**	**16**	**1·34**	**−0·58**	**0·46**																				

The sunshine entered to Portsmouth is registered at Southsea.

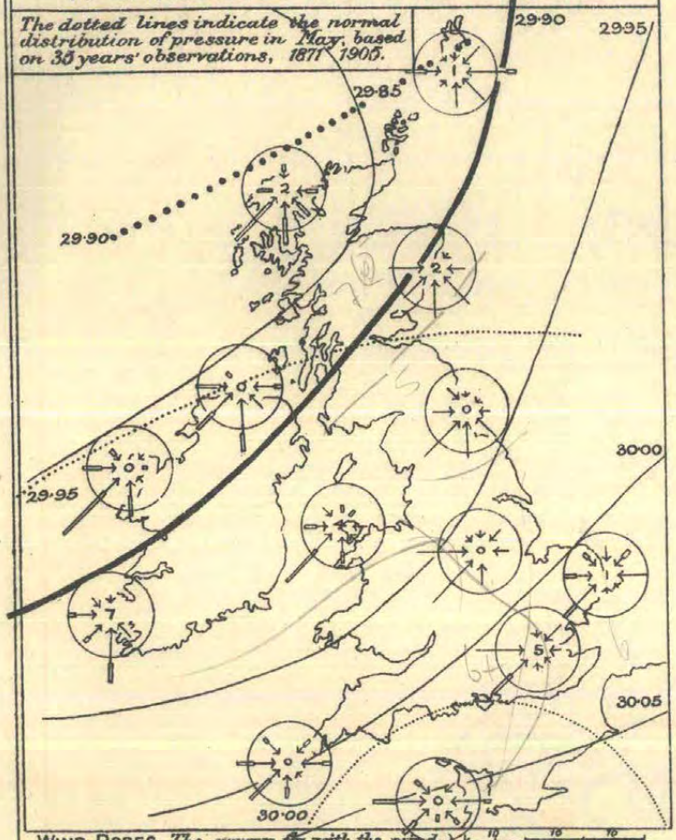
TABLE X.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, MAY, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth Temperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
				Ft.	Min.	Max.											Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.		Balta Sound	S	31	40·7	50·2	45·5	—	34	16th	66	31st	—	—	—	18	1·81	—	0·53	21st	155	—	29	—
1. SCOTLAND, E.	§	Crathes	S	140	42·2	60·1	51·2	—	32	26th	75	27th	49·6	45·7	4	15	1·59	—	0·45	21st	209	—	42	—
	§	Balruddery	S	276	42·5	59·3	50·9	—	37	22nd, 26th	76	27th	—	—	--	18	1·77	—	0·48	8th	172	—	34	—
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	182	+ 18	37	+ 4
	¶	West Linton	S	800	41·1	56·2	48·7	+ 1·0	31	22nd	75	28th	—	—	?	21	2·95	—	0·56	8th	178	—	36	—
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	44·2	59·8	52·0	+ 3·8	34	22nd	75	27th	—	—	--	16	1·80	-0·36	0·43	6th	—	—	—	—
		Newcastle-on-Tyne	—	152	46·6	60·5	53·6	—	41	22nd	71	27th	—	—	—	18	1·81	-0·05	0·30	6th	142	- 3	29	0
		Ampleforth	—	349	44·4	60·7	52·6	—	37	22nd	75	27th	—	—	?	15	1·74	—	0·33	30th	—	—	—	—
		Tealby	—	251	46·4	60·6	53·5	+ 3·4	37	23rd	70	31st	—	—	—	12	1·81	-0·09	0·35	7th	—	—	—	—
	¶	Fulbeck	—	180	45·7	64·6	55·2	+ 3·4	37	23rd, 24th	77	27th	—	—	—	12	1·43	-0·42	0·61	6th	—	—	—	—
	§	Rauceby	—	124	45·6	63·4	54·5	—	36	14th, 22nd	76	31st	—	—	1	12	1·71	-0·23	0·51	6th	211	—	43	—
3. ENGLAND, E.		Felixstowe	—	10	47·5	60·4	54·0	+ 1·8	40	24th	73	17th	—	—	—	13	0·86	—	0·17	23rd	198	—	41	—
	¶ §	Rothamsted	—	424	46·2	63·2	54·7	+ 3·7	35	11th	75	2nd	—	—	—	15	1·73	-0·28	0·30	2nd	198	+ 2	41	0
		Shoeburyness	—	13	48·2	62·4	55·3	+ 2·7	40	24th	71	17, 18, 21	—	—	—	11	1·23	-0·06	0·51	29th	—	—	—	—
		Southend-on-Sea	—	100	47·2	62·8	55·0	—	41	5th	73	2nd	55·6	—	0	10	1·34	-0·04	0·57	29th	197	—	41	—
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	44·5	59·7	52·1	+ 3·2	37	24th	73	27th	48·8	46·5	2	18	2·88	+0·90	0·48	12th	170	—	35	—
		Bradford	—	330	45·7	60·5	53·1	—	38	24th	75	27th	50·9	45·1	0	19	2·02	—	0·37	12th	180	—	37	—
	¶	Cheadle	M	646	45·5	61·7	53·6	+ 3·9	38	7th	72	27th	—	—	2	14	3·31	+1·10	0·88	15th	—	—	—	—
	¶	Bawtry	—	65	45·3	64·9	55·1	+ 4·0	36	24th	76	27th	—	—	—	13	2·14	+0·24	0·54	3rd	—	—	—	—
	§	Worksop	M	56	45·6	64·6	55·1	+ 4·0	35	24th	77	27th	52·8	48·8	—	16	1·99	-0·05	0·60	3rd	177	+ 7	36	+ 1
		Rugby	—	379	45·1	63·9	54·5	+ 3·6	34	11th	76	31st	—	—	?	10	1·32	—	0·46	2nd	—	—	—	—
	¶	Raunds	M	210	45·6	64·8	55·2	+ 3·4	35	11th	78	31st	—	—	—	13	1·88	—	0·36	13th	—	—	—	—
		Winslow	—	379	46·8	63·7	55·3	—	39	11th	78	31st	—	—	1	14	2·12	—	0·82	2nd	—	—	—	—
	¶	Hereford	M	291	46·4	63·6	55·0	+ 3·0	38	13th	74	31st	—	—	0	14	2·02	-0·02	0·66	14th	—	—	—	—
	¶ §	Cirencester	—	446	44·8	62·1	53·5	+ 2·8	32	11th	74	2nd, 31st	—	—	0	15	1·92	-0·16	0·66	31st	175	- 29	36	- 6
5. ENGLAND, S.E.		Epsom	—	160	46·9	65·7	56·3	—	37	23rd	78	2nd	—	—	0	16	2·60	—	0·83	13th	—	—	—	—
		Wokingham	—	216	45·0	64·3	54·7	—	31	23rd	76	31st	—	—	—	14	1·29	—	0·30	14th	—	—	—	—
		Maidenhead	—	99	46·7	67·1	56·9	—	35	11th	79	2nd, 31st	—	—	—	15	1·79	+0·01	0·50	29th	—	—	—	—
	¶ §	Marlborough	—	424	44·5	62·7	53·6	+ 2·7	31	11th	74	1st	53·6	48·2	4	19	2·75	+0·77	0·55	2nd, 29th	181	- 5	38	- 1
	¶	Swarraton	M	310	46·1	63·3	54·7	+ 4·1	37	24th	74	2nd	—	—	—	20	2·52	+0·53	0·46	14th	—	—	—	—
	¶ §	Margate	—	35	48·5	62·5	55·5	+ 3·1	43	14th, 22nd	72	2, 17, 31	53·5	49·6	0	13	1·29	-0·31	0·58	29th	181	- 17	38	- 3
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	12	1·68	—	0·96	29th	204	—	43	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	206	—	43	—
	¶ §	Wisley	—	150	47·5	64·3	55·9	+ 3·4	37	24th	76	2nd	54·4	50·0	1	14	1·74	—	0·29	13th	192	—	40	—
	¶ §	Tunbridge Wells	M	421	46·4	63·6	55·0	+ 3·6	38	24th	76	31st	55·3	—	—	12	1·68	-0·13	0·67	29th	214	+ 8	45	+ 2
		Folkestone	—	121	47·0	59·4	53·2	—	40	11th	72	31st	—	48·0	—	8	0·92	-0·78	0·39	29th	205	—	43	—
	§	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	190	—	40	—
		Bexhill	—	27	48·7	58·6	53·7	—	42	23rd	69	29th	54·8	—	0	11	1·01	—	0·26	11th	199	—	42	—
	§	Worthing	—	36	47·8	59·5	53·7	+ 1·4	40	24th	72	29th	54·8	49·8	0	11	1·62	+0·11	0·49	2nd	222	—	47	—
		Bognor	—	20	48·1	58·7	53·4	—	40	23rd	71	29th	—	49·8	0	17	1·57	—	0·38	14th	216	—	45	—
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	222	—	47	—
		Totland Bay	—	150	47·9	59·7	53·8	+ 2·1	43	11th	71	28th	—	—	—	16	1·49	-0·20	0·34	2nd	222	—	47	—
		Bournemouth	—	145	47·4	62·5	55·0	—	40	11th, 24th	73	29th	53·9	50·9	—	16	1·60	—	0·40	2nd	234	—	49	—
		Weymouth	—	21	48·3	60·7	54·5	—	40	23rd	74	29th	—	—	—	13	1·42	—	0·32	14th	211	—	44	—
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	43·6	58·1	50·9	—	34	23rd	78	28th	—	—	2	20	2·47	—	0·47	8th	191	—	38	—
	¶	Kilmarnock	—	90	44·5	60·0	52·3	+ 2·1	36	23rd	77	28th	—	—	—	17	2·62	—	0·60	8th	184	—	37	—
7. ENGLAND, N.W.		Carnforth	—	174	46·4	59·5	53·0	—	38	23rd	76	28th	—	—	0	20	3·09	—	0·47	5th	200	—	41	—
		Darwen	—	710	44·4	59·9	52·2	—	37	22nd	71	27th	54·2	47·2	?	18	3·92	—	0·58	3rd	180	—	37	—
		Burnley	—	459	45·6	60·2	52·9	—	35	23rd	72	31st	51·3	46·0	0	18	2·88	—	0·47	2nd	175	—	36	—
	§	Hoylake	—	30	48·0	61·3	54·7	—	42	13th, 22nd	73	28, 30, 31	—	—	0	16	2·83	—	0·63	2nd	209	—	43	—
		Rhyl	—	30	47·2	60·6	53·9	—	41	13th	73	28th, 31st	—	—	—	20	2·04	+0·42	0·39	2nd	201	—	41	—
	¶	Hawarden Bridge	—	22	47·0	62·0	55·0	+ 2·9	40	24th	75	28th	—	—	—	19	2·52	+1·01	1·02	2nd	—	—	—	—
		Towyn	—	10	48·4	60·3	54·4	—	38	23rd	75	31st	54·0	49·4	0	18	2·43	—	0·75	7th	189	—	39	—
	§	Aberdovey	—	22	49·1	60·0	54·6	—	44	23rd	77	31st	—	—	—	21	2·56	—	0·77	7th	180	—	37	—
8. ENGLAND, S.W.	§	Aberystwyth	—	59	50·1	58·2	54·2	—	42	24th	74	28th	—	—	—	—	—	—	—	—	162	—	34	—
		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	164	—	34	—
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	185	- 39	39	- 8
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	155	—	32	—
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	9	1·74	—	0·58	14th	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	12	1·79	—	0·45	13th	—	—	—	—
	¶	Cardiff	—	50	46·4	60·6	53·5	+ 0·7	39	11th	73	2nd, 31st	54·1	49·0	0	20	1·88	-0·55	0·31	13th	204	—	43	—
		Swansea	—	24	48·1	60·6	54·4	—	40	20th	73	31st	—	—	0	22	2·80	—	0·57	8th	—	—	—	—
	¶	Shaftesbury	M	722	46·4	60·8	53·6	+ 3·1	39	23rd	72	1st	54·5	—	—	17	1·85	-0·25	0·32	14th	—	—	—	—
	¶	Arlington	—	613	46·5	59·9	53·2	+ 2·6	39	11th	74	2nd	—	—	—	21	2·45	-0·33	0·51	14th	—	—	—	—
	¶ §	Cullompton	M	202	47·1	64·5	55·8	+ 3·3	34	11th	74	2nd, 17th	—	—	0	19	1·94	-0·11	0·53	13th	174	- 27	37	- 5
		Torquay	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	224	- 4	47	- 1
	§	Newquay	—	100	48·8	58·5	53·7	+ 2·0	41	17th	69	28th	53·8	—	—	13	1·40	-0·29	0·29	13th	195	- 26	41	- 5
		Salcombe	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	195	—	41	—
		Penzance	—	54	49·6	59·9	54·8	—	43	7th	68	29th	—	—	—	19	2·13	—	0·49	13th	181	—	38	—

MONTHLY WEATHER CHARTS, MAY, 1908.

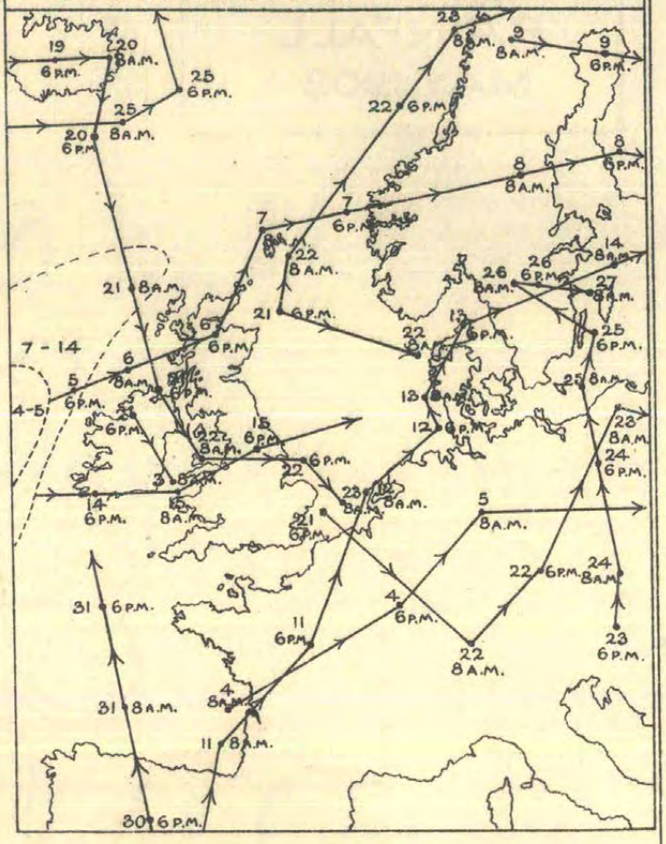
1. BAROMETER AND WIND AT 8 A.M.

The dotted lines indicate the normal distribution of pressure in May, based on 30 years' observations, 1871–1900.



WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light moderate strong — 30 Obs. = 1 inch

2. MOVEMENTS OF DEPRESSIONS.



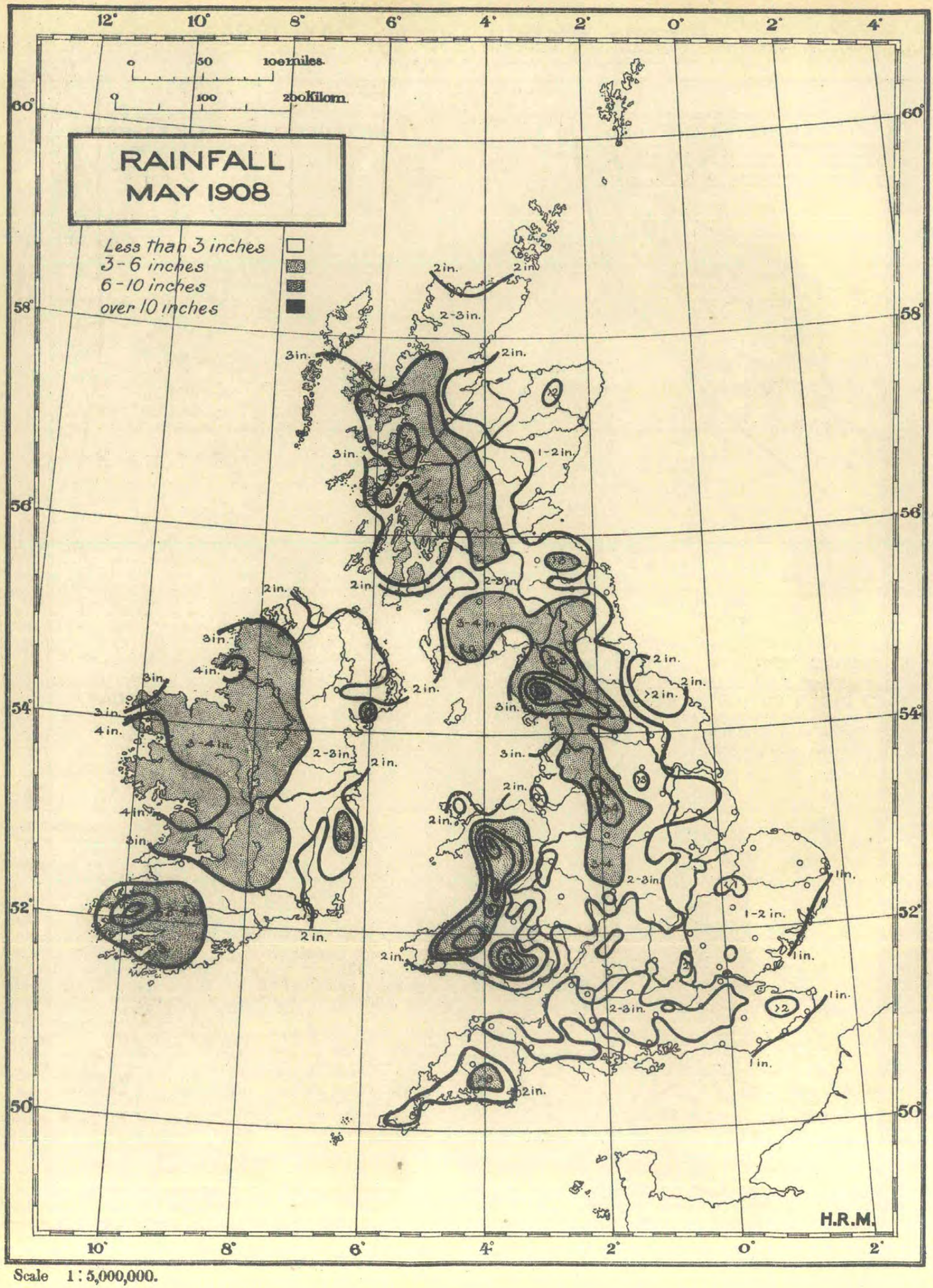
3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300 ft.

4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 160, 180, 200 and 220 hrs.

Wyman & Sons, Ltd., Lith., London & Reading.



Scale 1 : 5,000,000.

TABLE X (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, MAY, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	° Min.	° Max.	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.	Dublin (Glasnevin) - -	67	46·0	60·9	53·5	+ 3·4	38	23rd	69	28th	—	—	1	19	1·66	−0·35	0.29	24th	—	—	—	—
	Kingstown - - -	—	47·4	59·7	53·6	—	42	7th, 12th	68	1st, 17th	—	—	—	16	1·10	—	0·19	14th	205	—	42	—
	Clongowes Wood College -	237	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	¶ Kilkenny - - - -	212	47·9	62·0	55·0	+ 3·4	36	7th	75	28th	—	—	—	17	1·89	−0·17	0·35	7th	—	—	—	—
	¶ Cahir - - - 𝔐	199	46·2	61·3	53·8	+ 2·2	36	7th	73	28th	—	—	—	23	2·61	—	0·44	7th	—	—	—	—
	¶ Foynes - - - -	108	47·3	61·1	54·2	+ 2·7	38	7th	75	28th, 29th	—	—	—	23	2·75	+0·52	0·34	7th, 24th	—	—	—	—
	§ Ballinacurra - - -	34	46·7	59·7	53·2	—	35	7th	72	30th	—	—	—	18	2·17	—	0·40	4th	162	—	34	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) -	180	49·3	60·9	55·1	+ 2·3	46	13th, 19th, 23rd.	73	31st	—	—	—	16	1·36	−0·55	0·35	2nd	212	−46	45	−10

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—Observations are made at 9 a.m. and 9 p.m. at normal climatological stations (names in clarendon type); at 9 a.m. only at auxiliary climatological stations (names in *italic* type); and at 8 a.m. and 6 p.m. at telegraphic reporting stations (names in ordinary type). At **Oxford** the observing hours are 8 a.m. and 8 p.m., and at **Ventnor** 9 a.m. and 6 p.m.

Barometer.—The correction for **latitude** has not been applied. The values are for station level. They are the means of readings at 8 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 8 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906, and in Appendix I. to the Daily Weather Report. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked S is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street, London, S.W. June 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The mean pressure for June was above the normal in all parts of the British Isles, the excess ranging from 0·06 in. at Sumburgh Head to 0·12 in. at some of the Irish stations. Over the northern portion of the kingdom the general distribution of mean pressure was very similar to the average, but over the south Midland counties of England the results show a local maximum of pressure. In Iceland pressure was below 29·9 ins., and to the southward of Ireland and England above 30·1 ins. In good agreement with this pressure distribution the winds experienced over our western and northern districts were mainly from between South-West, West and North-West, while over the eastern half of England there was a decided prevalence of Northerly to Easterly breezes. The mean pressure gradient across the country did not differ much from what is usual in this quiet period of the year, so that, as a rule, there was not much wind. Not one of the anemometrical stations returned a mean velocity of as much as 44 miles in an hour throughout the month, and at only a few of the north-western telegraphic reporting stations was the force of a gale attained.

During the month there were several modifications in the general type of pressure distribution, but with some few exceptions the weather experienced was of a fairly uniform character, mostly fine, bright and very dry.

A high pressure system which had covered the country through the second half of May was followed by shallow depressions in the opening days of June. From the 1st to the 4th these produced exceedingly variable weather and light winds. Although rain was experienced everywhere, there were numerous instances of bright sunshine records amounting to between 10 and 15 hours in a day. This had considerable influence on the warmth of the period, for with the solar radiation thermometer mounting to and above 140°, the temperature of the air in the shade rose to 80° and upwards in many localities, 83° being reached on the 3rd at Shrewsbury, and on the 4th at Rauceby, Epsom, Salisbury and Ventnor; 84° at Isleworth on the 3rd, and Raunds on the 4th; and 85° at Southampton and Whitby on the 4th; while on each of the first four mornings there were a few records of minimum night temperatures as high as 60° or 61°. The conditions were highly favourable to the formation of electrical disturbances, and generally throughout England thunderstorms of more or less violence occurred daily, while in Ireland a few localities were affected on the 1st and 3rd, and in Scotland on the 2nd and 4th. Although the accompanying rainfall was heavy, there were not many large amounts registered, 1·1 in. at Tunbridge Wells and 1·2 in. at Eastbourne on the 1st; 1 in. at Birmingham, 1·1 in. at Dover on the 2nd; and 1·2 in. at Epsom, and 1·7 in. at Rochford, Worcestershire, and 2·8 in. at Cheadle, Staffs, on the 3rd. Falls of hail appear to have been much less common than usual in such circumstances.

The most remarkable feature of this broken weather was a violent squall of very limited area which swept across the Thames Valley, in the immediate western suburbs of London, in the night of the 1st, accompanied by a heavy thunderstorm. In the neighbourhood of Hampton Court so severe was the squall that extensive destruction was occasioned, many of the trees in Bushey Park being uprooted. At Kew Observatory, on the south side of the Thames, the autographic records show that the barometer rose 0.064 in. between 9.50 p.m. and 10. p.m. and the temperature in the shade fell about 7°. At 9.53 p.m. the wind suddenly reached a velocity of 58 miles per hour. Between 9.45 and 10 p.m. the rainfall was 0·3 in., and of this amount 0·27 in. appears to have fallen in the brief space of two or three minutes. A squall of a very similar character, and almost as destructive in its effects, passed over north Hertfordshire on the afternoon of the 4th.

After this, for about a fortnight, the conditions were somewhat variable in character, the pressure distribution sometimes cyclonic, at others anticyclonic, without exceptional variations of pressure. The only instances of the barometer descending to or below 29·5 ins. occurred between the 13th and the 16th. During the passage of a moderately deep depression from Iceland to Norway, secondary disturbances were formed over Northern Britain on the 13th, and the barometer fell below 29·5 ins. at a number of stations, to 29·25 ins. at Aberdeen and 29·24 ins. at Sumburgh Head. In various localities the South-Westerly wind increased to the force of a fresh or strong breeze, but only Holyhead experienced a gale. With the advance of the disturbance rain fell nearly everywhere, but there were few large quantities, nearly all in the north-west quarter of England—on the 12th, 1·1 in. at Bettws-y-Coed, 1·2 in. at Stonyhurst, 1·3 in. at Aspatria, and 1·4 in. at Carnforth; on the 13th, 1·1 in. at Marchmont, 1·2 in. at Penrhyn Quarries, 1·3 in. at Uldale, Cumberland 1·6 in. at Graythwaite, Lake Windermere, and 2·2 ins. at Kirkby Lonsdale. Next day, in a thunderstorm at Ennistymon (Clare), 0·6 in. fell in half an hour. On the 15th a new depression appeared off Ireland, moving on a north-easterly course, and by evening the barometer read 29·18 ins. at Stornoway, and 29·16 ins. at Castlebay. Southerly or South-Westerly strong or high winds blew in several districts, a gale in the Hebrides, in Donegal and at Holyhead. As the depression passed beyond Scotland, a secondary disturbance formed on the 16th over the west Midland Counties, where over 1 in. of rain fell in Birmingham and Shrewsbury. This may be regarded as the termination of the unsettled portion of the month over England; but in Ireland and Scotland it was maintained until the 22nd.

Gradually the distribution of pressure became modified, and from the 21st to the end anticyclonic conditions were in the ascendant all over the kingdom. On the 24th the barometer rose to 30·47 ins. at Valencia, and to 30·49 ins. at Blacksod Point; and on the 27th to 30·46 ins. at Liverpool, and to 30·47 ins. at Shields, the highest records for the month. The weather was very sunny and dry, no rain being registered at a large number of stations in the last thirteen or fourteen days. Until nearly the close, however, temperature was not increased to any marked extent by the brighter conditions. For about three weeks after the 4th the afternoon maxima were frequently below 60°, on the 17th as low as 51° at Bradford, Burnley, Darwen and Morpeth, and 50° at Huddersfield Night minima below 40° were also rather frequent, 32° at Ackworth, 21st, and Wokingham, 22nd, 31° at Llangammarch Wells, 15th; and 29° at Wokingham, 7th. Towards the end there came a decided rise of temperature, and maxima of 80° and upwards were again registered at a number of stations, 84° at Isleworth, 29th and 30th; and 87° at Carlisle, 28th.

During the night of the 30th and following nights unusual luminosity was noticeable in the Northern sky, and was commented on by observers in all parts of the country.

Fog was rather frequent on the western coasts, and especially from the 1st to the 4th, and 22nd to 27th; along the English Channel it occurred but rarely, while on the east coast of Britain there were several reports in the first three days, then a clear period up to the close of the 22nd, and during the next week there were a number of reports of fog daily.

The temperature of the sea water round our coasts was several degrees warmer than in May, but in nearly all localities it was cooler than the air on shore, by as much as 5° locally off the north-east of England.

Rainfall.—There was an excess of precipitation at most stations in the western half of Scotland, the north west of England and the north of Ireland, a deficiency over the rest of the country. Glencarron received 6 ins., Killybegs 5·3 ins., and Kinlochewe (Ross) 5 ins., but in numerous instances the totals were less than an inch, only 0·4 in. at Newcastle-on-Tyne, Shaftesbury, Parkstone (Dorset), Weymouth and Plymouth. Rain fell on 20 days at Sumburgh Head, Balta Sound, Nairn and Malin Head, but at a very large number of places on less than 10 days, down to 3 days at Brighton, Totland Bay, Bournemouth, Weymouth and Portland Bill.

Bright Sunshine.—Locally in Scotland and Ireland the duration of bright sunshine was less than the average, the difference at Stornoway amounting to 41 hours, but generally there was an excess, of more than 2 hours per day in places, nearly 3 hours per day at Ventnor. The largest aggregate was 301 hours, or 62 per cent. of the possible duration, at Worthing; the smallest, 144 hours, or 27 per cent., at Stornoway.

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TABLE XI.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. at STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·825	+ ·059	44·7	52·6	48·7	−1·0	38	7th	60	30th	48·9	49·1	1·8	1·7	·302	·307	88	88	—	—
	§ Deerness – – –	163	29·819	—	45·6	54·9	50·3	−1·0	39	7th	64	28th	51·7	48·8	2·4	1·4	·326	·313	84	90	—	—
	¶ § Stornoway – –	52	29·953	+ ·084	47·5	58·4	53·0	+0·6	40	18th	72	30th	53·1	54·5	2·6	4·1	·334	·316	82	74	—	—
	Castlebay – – –	38	29·953	+ ·094	49·5	56·7	53·1	−0·5	44	17th, 18th	71	28th	52·6	54·5	2·1	3·1	·340	·339	86	79	—	—
Mainland.	¶ Wick – – –	80	29·904	+ ·065	45·9	57·2	51·6	−0·6	39	7th	68	28th	51·8	51·6	2·6	2·6	·318	·315	82	82	—	—
	¶ Lairg – – §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ Strathpeffer – –	210	29·789	—	47·3	63·8	55·6	+1·5	38	17th	77	26th	56·6	52·3	4·9	3·7	·325	·298	71	76	—	—
	¶ Glencarron – §	504	29·467	—	45·7	59·9	53·3	−0·5	40	17th	77	30th	53·2	51·4	3·4	2·9	·315	·307	78	81	—	—
	¶ § Fort Augustus §	78	29·949	—	46·6	61·3	54·0	−0·9	40	14, 20, 24th	79	27th	53·5	53·7	2·9	2·9	·331	·334	81	81	—	—
	¶ Fort William – §	38	29·992	—	47·6	62·4	55·0	−0·3	41	7, 17, 24th	79	30th	55·8	53·6	4·0	2·9	·338	·333	76	80	—	—
	District Value –				**46·5**	**58·6**	**52·2**	**−0·4**	**38**		**79**											
1. SCOTLAND, E.																						
	Dunrobin Castle §	16	29·975	—	47·5	59·3	53·4	+0·2	33	17th	70	3rd, 22nd	53·3	52·1	3·1	3·0	·329	·320	80	81	56·8	—
	¶ § Nairn – – –	82	29·910	+ ·079	46·8	62·5	54·7	0·0	35	17th	77	22nd	53·6	56·4	3·7	4·5	·313	·333	76	73	—	—
	¶ Gordon Castle §	107	29·889	—	46·6	64·4	55·5	+0·6	37	17th	76	22nd, 30th	58·1	53·2	5·7	3·2	·327	·320	67	79	—	—
	¶ § Aberdeen – –	90	29·939 29·932	+ ·078 + ·076	46·6	58·8	52·7 52·6	−1·2 −0·1	39	6th	73	3rd 25th	54·3	51·5	4·0	2·7	·315	·312	75	82	—	50·2
	Tillypronie – §	1120	28·832	—	43·9	61·7	52·8	+1·0	36	6th	77	25th, 27th	53·9	49·0	4·0	2·2	·322	·309	76	83	—	—
	¶ *Balmoral* – – §	927	—	—	44·7	64·0	54·4	+1·7	33	12th, 15th	81	27th	55·8	—	?	—	—	—	—	—	—	—
	Dundee – – §	164	29·864	—	47·6	63·5	55·6	0·0	41	20th	82	25th	56·6	53·0	3·9	2·3	·355	·346	77	85	—	—
	¶ Crieff – – §	436	29·566	—	47·2	64·9	56·1	−0·1	38	12th	83	27th	56·2	53·4	4·4	3·5	·332	·316	73	77	—	—
	¶ Leith – – –	37	29·989	+ ·090	49·4	62·1	55·8	−0·1	44	5th	76	25th	54·9	57·8	4·0	4·8	·325	·344	75	72	—	—
	¶ § Marchmont – §	500	29·513	—	46·0	62·7	54·4	+0·4	38	12th, 15th	77	25th	55·5	52·1	4·3	2·4	·326	·327	73	83	56·6	—
	District Value –				**46·5**	**62·6**	**54·2**	**+0·2**	**33**		**83**										**56·3**	
2. ENGLAND, N.E.																						
	§ Cockle P'rk (Morpeth)	331	29·698	—	45·1	60·6	52·9	—	38	7, 21, 22nd	73	4th	55·7	50·9	3·3	1·4	·359	·339	80	90	56·4	52·1
	¶ Shields – – –	117	29·931	+ ·108	46·6	60·9	53·8	−0·8	40	21st	77	25th	54·5	56·9	2·8	3·8	·347	·355	81	77	—	—
	Seaham – – –	138	29·913	—	47·9	60·6	54·3	−0·6	39	21st	74	4th	55·9	52·5	3·9	2·4	·347	·335	76	84	—	—
Northern Part.	¶ § Durham – – –	352	29·681	—	46·3	63·4	54·9	−0·8	34	21st	80	25th	57·1	53·2	4·0	2·5	·361	·343	77	84	—	—
	Whitby – – –	145	29·900	—	47·9	65·9	56·9	+1·9	37	22nd	85	4th	58·7	54·9	4·7	2·5	·364	·366	74	85	—	—
	¶ Rounton – – M	245	29·792	—	45·6	64·1	54·9	+0·2	34	21st	78	25th	56·0	52·0	3·8	2·0	·343	·335	76	86	57·7	—
	¶ § Scarborough – M	100	29·924	—	48·9	63·0	56·0	+0·4	44	7th	72	3rd, 10th	56·5	56·7	4·5	3·8	·333	·354	72	76	—	54·7*
	¶ § York – – –	53	30·031	—	48·7	66·4	57·6	+0·1	40	22nd	79	3rd	58·8	55·4	4·9	3·0	·355	·355	72	81	56·5	52·1
	Hull – – – –	2	30·074	—	47·4	65·4	56·4	−0·5	38	7th	78	4th	58·7	55·0	3·9	2·7	·379	·357	76	83	57·4	51·6
Southern Part.	¶ Spurn Head – –	28	30·035	+ ·101	50·5	60·7	55·6	−0·4	44	7th	71	4th	55·1	57·3	2·8	3·5	·356	·369	82	79	—	—
	§ Skegness (7 a.m.) –	16	30·077	—	48·6	61·7	55·2	—	38	7th	76	2nd	54·8	58·8	2·1	3·7	·371	·386	87	78	—	—
	¶ Lincoln – – –	42	—	—	48·5	67·0	57·8	−1·1	41	7th	80	4th	60·8	56·1	5·3	3·4	·380	·360	71	79	59·4	53·9
	District Value –				**47·7**	**64·1**	**55·5**	**+0·3**	**34**		**85**										**57·5**	**52·4**
3. ENGLAND, E.																						
	¶ § Cromer – – –	139	29·931	—	49·4	63·3	56·4	—	44	15th	77	2nd	57·3	54·1	3·0	1·9	·382	·365	81	86	—	—
	¶ § Hillington – M	92	29·970	—	47·4	67·4	57·4	−0·4	34	15th	80	1st	59·5	54·1	4·3	1·9	·379	·365	74	87	—	—
Northern Part.	¶ Norwich – – –	93	—	—	50·3	67·5	58·9	—	40	15th	79	1st, 4th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	30·035	+ ·099	51·7	62·5	57·1	+0·5	43	9th	70	11th	57·5	58·1	3·9	3·8	·362	·374	77	77	63·3	58·1
	Lowestoft – M	75	30·003	—	49·9	61·3	55·6	−0·8	40	9th	72	2nd	58·6	54·6	4·0	2·3	·374	·362	76	85	61·3	56·0
	¶ § Geldeston – –	47	30·035	—	49·1	67·1	58·1	+0·8	35	15th	77	4th	61·5	55·2	4·8	2·0	·396	·379	73	87	—	—
	¶ § Cambridge – –	43	30·036	—	49·2	69·2	59·2	+0·4	38	15th	81	3rd	60·1	57·0	4·6	3·4	·386	·374	74	80	61·1	56·6
	Woburn – – –	294	29·794	—	47·7	67·8	57·8	—	35	7th	79	4th	58·8	55·8	4·1	2·4	·383	·382	77	85	—	—
	Bennington – M	411	29·675	—	48·7	68·5	58·6	+0·8	38	7th	81	4th	59·6	55·9	5·1	3·4	·361	·352	71	79	61·6	57·3
Southern Part.	¶ § Clacton – –	62	30·023	—	51·9	65·3	58·6	−0·3	43	7th	76	4th	59·8	56·9	4·5	3·2	·382	·372	74	79	60·3	57·3
	Berkhamsted – M	397	29·679	—	47·5	69·1	58·3	+0·6	35	7th	82	4th	59·1	55·6	4·6	2·8	·366	·362	73	82	61·9	—
	District Value –				**49·9**	**66·6**	**57·9**	**+0·9**	**34**		**82**										**61·7**	**57·0**
4. MIDLAND COS.																						
	Garforth – – –	198	—	—	44·4	65·5	55·0	—	28	21st	76	3rd	57·5	54·0	4·6	2·5	·352	·357	74	84	55·1	50·6
	Huddersfield – –	411	29·637	—	47·7	64·8	56·3	—	38	21st	78	3rd	56·9	54·4	4·0	2·9	·358	·349	76	81	57·9	50·9
	Wakefield – M	100	29·960	—	48·4	68·2	58·3	+1·5	35	21st	78	3rd	57·7	60·1	4·6	5·2	·346	·365	73	70	—	—
	Belvoir Castle –	276	29·794	—	47·3	66·1	56·7	−1·2	35	22nd	80	3rd, 4th	57·2	54·9	3·6	2·7	·365	·356	78	82	—	55·4*
Eastern Part.	*Coventry* – –	309	29·760	—	49·0	68·6	58·8	0·0	38	15th	85	3rd	58·5	—	4·5	—	·360	—	73	—	60·3	54·1
	¶ § Nottingham – –	85	29·985	+ ·093	48·1	67·7	57·9	−0·4	36	22nd	81	3rd	56·6	62·9	3·1	5·3	·370	·405	80	70	59·0	54·8
	¶ § Birmingham – –	542	29·518	—	49·2	65·5	57·4	0·0	43	15th, 21st	79	3rd	55·0	56·4	3·3	4·0	·348	·351	80	76	53·9	49·9
	¶ § Oxford – – –	212	29·873 29·862	+ ·104 + ·091	49·6	68·9	59·3	+0·7	40	7th	81	3rd, 4th	57·1 59·3	60·8 —	3·6 4·9	— —	·363 ·361	— —	78 71	— —	— —	— —
	¶ § Bath – – –	84	29·993	+ ·096	49·2	68·7	59·0	−0·7	38	15, 18, 19th	81	3rd, 26th	58·6	66·0	4·1	—	·372	—	76	—	61·0	56·9
	¶ Shrewsbury – –	212	29·867	—	47·1	67·1	57·1	−1·4	37	22nd	83	3rd	58·0	56·1	3·8	2·0	·378	·397	78	87	—	—
	Buxton – – M	997	29·030	—	45·2	62·7	54·0	−0·6	34	21st	77	3rd	56·2	51·4	4·3	2·0	·335	·328	74	87	56·3	50·2
Western Part	§ Sheffield – – –	450	29·614	—	48·9	64·8	56·9	−0·4	41	21st, 22nd	78	3rd	57·1	55·8	4·2	3·3	·356	·360	76	80	56·5	51·2
	Stokesay – – –	375	29·699	—	45·4	67·0	56·2	—	34	15th	79	26th	59·4	53·3	4·2	1·6	·381	·362	75	89	—	—
	Cheltenham – M	206	29·877	—	48·9	67·7	58·3	+0·1	41	7th	80	3rd	60·8	57·5	5·0	3·8	·379	·364	71	77	—	—
	District Value –				**47·8**	**67·4**	**57·0**	**+0·1**	**28**		**85**										**57·2**	**52·4**

For notes see p. lix. * (8 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of JUNE, 1908.

Bright Sunshine.				Cloud (0–10).		Rain and other forms of Precipitation.					Weather. No. of Days of								Wind Force (0–12).		Wind Direction. No. of Observations at 8 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								Stations.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																			
—	—	—	—	7·8	7·5	20	2·05	+0·20	0·37	4th	0	0	0	2	**20**	8	—	0	7	3	2	5	5	6	9	5	16	9	Sumburgh Head.
145	- 9	27	- 1	7·9	7·2	15	2·86	+1·01	0·48	4th	0	0	0	2	15	6	—	0	19	6	5	1	5	**8**	11	4	12	8	Deerness.
144	-41	27	- 8	7·6	6·3	21	2·38	-0·06	0·55	15th	0	1	0	**3**	9	2	—	1	**30**	1	7	8	3	4	7	10	12	8	Stornoway.
184	—	35	—	8·2	7·2	18	2·57	—	0·38	2nd	0	0	0	2	18	**11**	—	1	20	0	5	4	4	7	4	6	16	**14**	Castlebay (Barra Isd.)
—	—	—	—	7·6	6·8	18	2·00	+0·19	0·45	13th	0	0	0	0	10	6	—	0	9	0	**12**	1	5	7	**14**	2	11	8	Wick.
—	—	—	—	—	—	17	2·17	-0·17	0·39	12th, 18th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
153	- 8	29	- 2	7·6	6·3	16	1·23	-0·85	0·26	13th	0	0	0	1	12	0	—	0	9	**18**	3	1	4	5	4	8	13	4	Strathpeffer.
—	—	—	—	7·7	6·6	19	6·03	+1·99	1·03	10th	0	0	1	**3**	14	1	—	c	9	0	10	0	**12**	0	1	0	**37**	0	Glencarron.
148	+13	28	+ 2	6·9	6·6	15	2·91	+0·92	0·75	13th	0	0	1	0	8	2	—	0	16	4	1	**22**	0	0	3	**26**	4	0	Fort Augustus.
—	—	—	—	7·2	7·0	19	4·79	+0·99	0·84	10th	0	0	1	1	14	3	—	1	6	7	2	11	1	0	2	23	10	4	Fort William
148	**- 8**	**28**	**- 1**	**7·6**	**6·8**	**18**	**3·19**	**+0·43**	**1·03**																				
—	—	—	—	—	—	17	2·25	+0·17	0·60	13th	0	0	0	—	—	0	—	0	6	6	0	10	13	1	4	9	6	11	Dunrobin Castle.
190	—	36	—	7·6	7·3	20	1·37	-0·49	0·44	13th	0	**2**	0	0	15	**5**	—	0	2	6	0	3	16	0	0	9	23	3	Nairn.
—	—	—	—	7·4	6·0	15	1·23	-0·94	0·23	11th	0	0	1	2	10	0	—	0	3	0	5	4	0	12	3	**19**	6	11	Gordon Castle.
177	-10	34	- 2	7·5	6·4	16	2·09	+0·24	0·87	11th	0	1	**2**	0	12	4	—	0	6	**13**	5	0	4	6	**15**	5	1	11	Aberdeen.
—	—	—	—	7·0	7·1	16	1·37	-0·89	0·24	11th	0	0	1	0	10	2	0	**3**	**49**	0	**12**	5	0	7	3	7	9	**17**	Tillypronie.
—	—	—	—	6·7	—	13	0·82	-1·56	0·25	11th	0	0	0	5	13	1	4	0	4	0	0	0	0	2	8	4	**42**	4	Balmoral.
—	—	—	—	8·0	8·6	11	1·06	-1·02	0·23	19th	0	0	0	1	**18**	1	—	0	12	0	2	4	5	**17**	0	17	7	8	Dundee
—	—	—	—	5·8	6·2	11	1·83	-1·07	0·38	15th	0	0	0	2	8	0	—	0	14	0	1	1	16	3	4	6	24	5	Crieff.
—	—	—	—	6·2	5·4	13	0·83	-1·09	0·42	13th	0	0	0	3	10	1	—	0	4	0	2	**15**	14	8	2	7	18	2	Leith.
207	+22	40	+ 4	5·3	5·0	8	1·73	-0·71	1·05	13th	0	0	1	**8**	10	2	1	0	1	0	6	5	**20**	2	6	5	15	1	Marchmont.
191	**+10**	**37**	**+ 2**	**6·8**	**6·5**	**14**	**1·44**	**-0·74**	**1·05**																				
186	—	36	—	6·6	5·9	12	0·47	-1·79	0·16	13th	0	0	1	2	10	0	2	0	16	9	1	0	1	**11**	3	12	**13**	10	Cockle Park (Morpeth).
—	—	—	—	7·5	6·6	12	0·80	-1·04	0·22	2nd	0	0	0	2	16	5	—	0	8	1	10	7	10	6	6	9	10	1	Shields.
—	—	—	—	7·5	6·5	12	0·50	-1·47	0·09	2nd, 13th	0	0	**3**	3	13	3	—	0	12	8	10	7	3	9	5	8	7	3	Seaham.
180	+ 9	35	+ 1	7·9	6·2	9	0·46	-1·50	0·11	17th	0	0	**3**	4	**17**	3	0	0	2	**24**	4	2	1	0	**9**	6	9	5	Durham.
170	—	34	—	6·4	5·5	11	0·86	-1·10	0·42	17th	0	0	**3**	4	8	2	—	0	1	4	4	14	0	3	0	**20**	3	**12**	Whitby.
—	—	—	—	7·2	5·7	11	0·68	-1·51	0·22	17th	1	0	**3**	4	12	5	2	0	7	3	8	11	2	2	8	17	0	9	Rounton.
175	—	35	—	7·6	8·1	7	1·29	-0·67	0·57	16th	0	0	0	0	14	**6**	—	0	13	0	2	**29**	0	7	0	8	4	10	Scarborough.
200	+24	40	+ 5	6·0	4·0	8	0·87	-1·24	0·39	16th	0	0	**3**	**5**	5	1	—	0	2	1	8	11	4	5	7	7	**13**	4	York.
157	—	31	—	7·7	5·7	9	0·91	-1·07	0·41	17th	0	0	1	1	11	0	0	0	6	16	3	14	5	2	1	2	**13**	4	Hull.
—	—	—	—	6·2	4·2	10	0·94	-0·57	0·41	17th	0	0	1	4	5	5	—	0	**18**	0	**11**	10	9	5	3	7	8	7	Spurn Head.
217	—	43	—	5·6	4·6	10	1·06	—	0·40	16th	0	0	0	2	5	0	—	0	4	0	5	15	**12**	6	2	6	8	6	Skegness.
—	—	—	—	6·6	4·9	9	1·39	-0·68	0·35	1st	0	1	2	1	7	0	—	0	3	2	1	19	5	2	5	8	10	8	Lincoln.
198	**+10**	**39**	**+ 2**	**6·9**	**5·7**	**10**	**0·91**	**-0·92**	**0·60**																				
192	—	39	—	8·1	7·3	17	1·20	—	0·41	4th	0	0	1	1	**19**	**3**	—	0	**30**	2	**19**	8	2	2	**7**	8	7	5	Cromer.
206	+ 9	41	+ 1	8·1	7·1	11	1·09	-1·16	0·40	16th	0	0	2	2	16	0	2	0	1	9	4	**23**	2	5	0	**9**	2	6	Hillington.
—	—	—	—	—	—	14	1·20	—	0·23	16th	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Norwich.
239	—	48	—	5·6	5·9	9	0·97	-0·93	0·21	12th	0	0	2	0	3	**3**	—	0	17	0	16	15	4	**7**	5	3	7	3	Yarmouth.
234	—	47	—	5·1	6·1	6	0·58	-1·18	0·26	16th	c	0	1	**5**	6	**3**	0	0	21	1	9	17	**9**	2	4	8	5	5	Lowestoft.
233	+24	47	+ 5	6·2	6·3	5	0·51	-1·33	0·17	17th	0	0	1	**5**	11	0	—	0	0	1	15	9	8	5	5	5	**8**	4	Geldeston.
236	+37	48	+ 8	7·4	5·5	8	1·25	-0·99	0·46	4th	0	0	2	3	10	2	**3**	0	21	8	11	13	1	4	3	7	4	9	Cambridge.
—	—	—	—	7·9	4·7	8	1·47	—	0·55	1st	0	0	2	0	8	0	—	0	8	10	8	14	8	0	2	7	5	6	Woburn.
—	—	—	—	7·2	5·7	8	0·96	-1·07	0·40	16th	0	0	**3**	2	12	0	0	0	0	**13**	7	13	5	3	3	8	5	3	Bennington.
258	—	53	—	6·3	5·9	5	1·59	—	0·95	4th	0	0	2	1	5	2	0	0	16	1	11	15	5	4	6	5	3	**10**	Clacton.
239	—	47	—	7·1	4·2	10	1·33	-0·92	0·75	1st	0	0	2	4	8	0	1	0	0	**13**	5	11	3	4	4	7	**8**	5	Berkhamsted.
234	**+28**	**47**	**+ 5**	**6·9**	**5·9**	**9**	**1·19**	**-0·80**	**0·95**																				
217	—	43	—	6·4	4·7	10	1·04	—	0·29	1st, 17th	0	0	2	4	5	0	—	0	2	15	3	9	8	0	5	5	13	2	Garforth.
184	—	37	—	6·3	4·3	10	1·91	—	0·47	1st	0	0	4	4	6	0	1	0	4	2	2	9	10	4	2	7	**18**	6	Huddersfield.
—	—	—	—	6·6	4·2	7	1·11	-1·10	0·31	17th	0	0	3	5	5	0	—	0	4	1	2	16	7	3	1	**13**	12	5	Wakefield.
216	—	43	—	7·1	4·8	9	1·17	-0·83	0·28	17th	0	0	4	1	7	**5**	2	0	9	15	12	6	2	3	5	6	5	6	Belvoir Castle.
244	—	49	—	6·9	—	10	1·49	-0·66	0·52	17th	0	0	1	3	**14**	0	0	0	4	10	4	8	8	2	**10**	6	4	8	Coventry.
198	—	40	—	7·1	4·1	10	1·41	-0·76	0·41	1st	0	0	3	2	9	0	0	0	3	0	2	16	11	2	1	11	8	9	Nottingham.
191	—	39	—	7·0	5·4	10	3·21	+0·74	1·20	17th	0	0	1	1	9	0	2	0	3	10	9	7	12	1	4	7	5	5	Birmingham.
257	+64	52	+13	6·7 5·5	3·7 —	7	1·63 1·69	-0·65 -0·63	}0·70	17th	0	0	1	6	8	1	0	0	13	3	8	18	2	2	8	8	5	6	Oxford.
																			24	0	4	**20**	3	4	0	7	15	7	Bath.
272	—	56	—	4·8	3·0	6	0·48	-1·84	0·41	1st	—	—	—	10	3	—	—	—	13	2	3	1	8	**11**	5	6	5	**19**	Shrewsbury.
—	—	—	—	7·4	5·5	8	1·91	—	1·14	17th	0	0	1	4	11	3	0	0	18	11	1	3	**14**	3	3	4	10	11	Buxton.
204	—	41	—	5·8	4·8	12	2·33	-1·09	0·75	3rd	0	0	**5**	6	8	2	0	0	4	9	**15**	7	0	2	3	5	12	7	Sheffield.
197	—	39	—	6·9	5·6	7	1·56	-0·98	0·46	17th	0	0	**5**	2	7	**5**	0	0	11	**24**	8	7	1	3	3	8	4	2	Stokesay.
—	—	—	—	6·6	6·5	8	1·82	—	0·79	17th	0	0	3	2	12	0	0	0	11	24	8	7	1	3	3	8	4	2	Cheltenham.
265	—	54	—	3·8	3·7	8	0·83	-1·41	0·22	1st	0	0	1	**13**	5	0	0	0	5	10	1	7	1	10	4	11	12	4	
220	**+33**	**44**	**+ 6**	**6·4**	**4·6**	**9**	**1·64**	**-0·40**	**2·78**																				

TABLE XI. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 8 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.	HYGROMETER. Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
5. ENGLAND, S.E.	Reading	264	29·799	—	48·9	69·2	59·1	—	37	7th	81	4th	58·8	57·5	4·2	3·3	·373	·378	75	79	—	—
	Salisbury	186	29·894	—	46·9	70·2	58·6	−0·4	37	7th, 19th	83	4th	60·4	57·4	3·9	2·4	·404	·400	77	85	63·1	—
	Dover	231	29·822	+·072	51·1	64·8	58 0	—	44	9th	30	4th	58·0	59·0	3·2	3 6	·388	·391	80	78	58·5	52·8
	Brighton	48	30·034	—	52·9	67·4	60·2	+1·1	42	7th	82	3rd	61·6	—	4·9	—	·395	—	73	—	—	57·5
§	Eastbourne	36	30·043	—	52·1	64·7	58·4	0·0	43	7th	79	4th	60·9	57·9	4·5	2 6	·400	·407	74	84	61·1	56·5
	Portsmouth	18	30·077	—	52·4	68·9	60·7	+1·7	43	7th	83	4th	61·6	—	5·2	—	·387	—	71	—	63·7	58·4
¶	Dungeness	21	30 034	+·075	52·4	63·5	58·0	+0·3	43	7th, 9th	76	4th	57·5	59·5	2·6	3·3	·397	·407	83	80	—	—
¶	Hastings	174	29·891	—	51·7	66·1	58·9	+1·1	42	7th	78	4th	60·5	56·2	4·3	2·7	·395	·375	75	83	62·5	55·9
¶ §	Southampton	84	30·012	—	51·6	70·3	61·0	+1·3	41	7th	85	4th	62·7	59·3	5·9	3·9	·392	·393	68	77	—	—
¶ §	*Ventnor*	80	29·985	—	52·4	66·4	59·4	+0·3	42	7th	83	4th	60·7	—	4·8	—	·384	—	73	—	—	—
	District Value				**50·5**	**67·5**	**58·5**	**+0·6**	**29**		**85**										**61·2**	**56·1**
LONDON	Tottenham	55	30·023	—	51·4	69·5	60·5	+1·2	40	7th	81	4th	61·5	59·0	5·3	3·7	·396	·397	71	78	—	56·4
¶ §	Camden Square	123	29·957	—	51·6	73·6	62·6	+1·7	41	7th	86	4th	61·9	59·8	5·8	4·5	·376	·379	68	74	62·3	55·0
	Westminster	54	30·010	+·079	52·9	69·3	61·1	+1·2	44	7th	81	4th	58·6	66·0	4·4	7·5	·364	·393	74	62	—	—
	Greenwich	159	29·914 / 29·904	— / +·089	49·7 / —	71·0 / —	60·4 / 59·6	+0·1 / +0·2	42	7th	82	4th	61·2	57·5	5·5	3·8	·373	·364	70	77	—	57·8
	Norwood	235	29·854	—	50·7	70·5	60·6	+1·3	41	22nd	85	4th	61·8	58·6	5·6	3·8	·379	·379	69	75	60·5	—
¶ §	Kew	34	30·057 / 30·047	+·091 / +·089	51·1	69·3	60·2 / 60·2	+1·0 / +1·4	41	7th	79	4th	60·2	59·7	5·1	4·4	·370	·380	71	74	60·6	55·3
	Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.	Laudale	25	30·002	—	47·9	63·4	55·7	0·0	38	17th	82	30th	57·8	53·8	3·5	2·1	·386	·366	79	87	—	—
¶	Poltalloch	135	29·898	—	47·5	64·9	56·2	+0·2	39	20th, 21st	87	28th	57·3	53·3	4·0	2·3	·356	·343	76	84	—	—
¶ §	Glasgow	184	29·844	—	48·8	62·5	55·7	−0·1	43	12th	79	27th	55·8	54·1	4·1	3·1	·341	·341	76	80	—	—
¶	Rothesay	76	29·959	—	48·7	63·8	56·3	+0·4	41	20th	79	28th	57·1	53·3	3·8	2·6	·358	·336	77	82	—	51·6
¶	*Colmonell*	140	29·929	—	48·8	62·9	55·9	+0·5	37	17th	78	28th, 29th	58·0	—	4·1	—	·365	—	76	—	—	—
¶	Dumfries	60	30·008	—	48·1	67·8	58·0	+0·9	39	5th	84	28th	60·2	57·2	5·9	4·1	·350	·352	67	75	—	—
¶	Cally	120	—	—	46·6	66·9	56·8	+1·2	37	7th	80	26, 29, 30th	60·2	52·9	2·6	2·6	·438	·331	85	83	—	—
ISLE OF MAN ¶ §	Douglas	284	29·781	—	48·9	61·3	55·1	−0·3	43	21st	73	26th	55·0	53·4	2·5	1·6	·368	·371	84	90	—	—
	District Value				**48·0**	**64·1**	**55·7**	**+0·4**	**37**		**87**											
7. ENGLAND, N.W.	Southport	42	30·047	—	49·6	64·0	56·8	−0·1	40	21st	77	30th	58·3	55·8	4·4	2·5	·361	·375	74	84	61·4	57·4
	Manchester (City)	195	29·883	—	51·2	66·8	59·0	—	44	15th	81	28th	58·8	57·9	4·3	3·6	·376	·382	75	78	58·6	54·2
	„ (Whitworth P'k)	127	29·937	—	49·9	66·3	58·1	—	41	15th	81	3rd	58·2	57·4	4·8	4·0	·350	·357	73	76	—	—
¶ §	Aspatria	254	29·788	—	47·9	65·0	56·5	+0·8	41	17th	81	26th	58·0	54·0	3·8	2·3	·381	·360	78	85	—	—
¶ §	Newton Rigg	559	29·447	—	45·9	64·7	55·3	+0·2	37	21st	79	28th	56·7	54·9	3·6	3·0	·358	·349	78	80	57·8	52·1
¶ §	Stonyhurst	363	29·701	—	48·2	63·9	56·1	−0·5	40	21st	76	3rd	57·8	55·6	4·3	3·5	·363	·352	75	79	—	—
¶ §	Blackpool	73	30·005	—	49·1	62·9	56·0	−0·8	41	21st	77	28th	58·1	55·0	3·0	1·6	·395	·386	81	89	—	51·9
¶	M'nch't'r (Prestwich)	320	29·729	—	47·9	66·1	57·0	+0·3	39	15th	79	3rd	58·4	58·2	4·0	3·7	·372	·377	76	78	—	—
¶	Liverp'l, Bidston Obs.	197	29·872	—	50·6	62·9	56·8	−0·8	44	15th	77	28th	56·9	55·8	3·9	2·9	·352	·365	76	81	—	—
NORTH WALES ¶ §	Llandudno	21	30·074	—	51·0	64·4	57·7	+0·1	45	17th	80	28th	57·8	56·3	4·0	3·0	·365	·369	77	81	—	—
¶	Holyhead	48	30·025	+·100	49·9	60·2	55·1	−1·3	46	7, 8, 12, 17th	75	29th	55·7	56·0	1·7	1·7	·395	·399	89	89	—	—
¶ §	Bettws-y-Coed	100	29·952	—	47·7	65·0	56·4	−1·7	37	7th	80	28th	59·6	54·1	4·8	1·7	·369	·370	72	88	55·5	51·5
	District Value				**48·8**	**64·0**	**55·9**	**−0·3**	**35**		**81**										**58·3**	**53·4**
SOUTH WALES ¶ §	*Llangammarch Wells*	585	29·457	—	44·4	64·7	54·6	−2·2	31	15th	78	26th	57·2	—	3·7	—	·362	—	77	—	56·7	51·6
¶ §	Pembroke	150	29·917	+·095	49·9	60·1	55·0	−1·1	44	7th	71	29th	54·7	56·7	2·5	3·2	·358	·368	83	80	—	—
8	*Clifton*	229	—	—	52·0	69·2	60·6	+1·2	44	7th	81	3rd, 26th	—	—	—	—	—	—	—	—	—	—
¶	Portland Bill	23	30·052	+·082	52·6	61·8	57·2	−0·9	46	7th	74	4th	56·7	58·5	2·4	2·6	·389	·411	85	83	—	—
¶ §	Plymouth	116	29·977	—	51·8	66·1	59·0	+0·2	42	18th, 19th	75	25th, 26th	60·1	57·3	5·1	3·3	·373	·380	72	80	62·8	—
ENGLAND, S.W. ¶ §	Falmouth	183	29·924 / 29·917	+·110 / +·109	51·8	62·5	57·2 / 57·0	−0·4 / −0·2	46	7th, 18th	69	3rd	58·0	55·5	3·9	2·4	·370	·373	77	85	—	—
	Woolacombe	79	29·987	—	51·8	63·5	57·7	−2·0	46	7th, 15th	80	29th	59·0	56·3	4·3	2·9	·371	·370	74	82	—	—
	Rousdon	516	29·540	—	49·3	64·3	56·8	—	40	7th	78	4th	57·8	56·3	3·0	2·4	·389	·384	81	85	60·9	56·9
	Whitchurch	595	29·456	—	49·3	66·9	58·1	—	39	7th	78	3rd	59·4	53·9	3·7	1·7	·394	·367	78	88	62·1	—
9 IRELAND, N.	District Value				**49·9**	**65·4**	**57·2**	**+0·2**	**31**		**81**										**60·5**	**54·6**
Western Part. ¶	Malin Head	230	29·770	+·086	48·8	58·0	53·4	−1·4	43	5th	70	21st	53·0	55·0	1·4	1·9	·363	·378	90	88	—	—
¶	Blacksod Point	41	30·021	+·104	49·9	60·4	55·2	−0·9	45	12, 18, 21st	76	28th	55·4	56·7	2·1	2·4	·379	·389	87	85	—	—
¶ §	Markree Castle	127	29·939	—	47·9	62·8	55·4	0·0	38	24th	78	29th	57·4	53·3	3·5	2·1	·379	·358	79	87	—	—
Eastern Part. ¶	Donaghadee	40	30·025	+·115	47·8	59·6	53·7	−1·7	41	12th	72	27th	53·2	56·1	2·3	3·3	·343	·359	84	79	—	—
¶ §	Armagh	202	29·847	—	47·9	64·7	56·3	+0·1	41	15th	75	27th	58·4	53·3	4·5	2·3	·367	·353	74	86	58·2	53·8
	Belfast	55	30·021	—	48·3	63·1	55·7	—	42	12th	76	28th	57·7	54·6	4·5	2·7	·355	·355	74	83	—	—
10. IRELAND, S.	District Value				**48·5**	**61·1**	**54·3**	**−1·1**	**38**		**78**											
§	Dublin (Phœnix P'k)	159	29·913	—	45·3	63·5	54·4	−1·1	37	22nd	72	29th	57·0	53·1	3·5	1·6	·371	·364	79	89	—	—
Eastern Part.	„ (Trinity Coll'ge)	17	30·065	—	49·6	63·2	56·4	—	45	7th	71	22nd	58·0	55·8	4·8	3·0	·352	·366	73	81	57·6	54·1
¶	„ (City)	53	30·026	—	50·4	63·5	57·0	−0·9	45	7th	71	29th	57·3	56·4	4·0	2·8	·360	·378	76	83	—	—
¶	*Waterford*	100	—	—	48·0	63·0	56·5	−0·7	41	10th, 16th	79	26th	—	—	—	—	—	—	—	—	—	—
¶ §	Birr Castle	173	29·885	—	47·4	64·1	55·8	−1·1	39	12th, 24th	79	28th	58·8	56·6	2·9	1·5	·418	·421	83	90	—	—
¶	*Killarney*	174	—	—	49·0	66·4	57·7	+0·8	38	12th	80	27th	—	—	—	—	—	—	—	—	—	—
Western Part. ¶ §	Valencia	62	30·068 / 30·062	+·115 / +·113	51·1	62·2	56·7 / 56·6	−0·2 / −0·3	43	12th	75	26th	57·7	55·6	3·1	2·6	·387	·369	81	83	—	—
¶	Roche's Point	42	30·058	+·121	50·3	61·7	56·0	−1·6	43	16th	69	27th	56·2	58·3	2·4	3·0	·383	·397	85	81	—	—
11. ENGLISH CHANNEL	District Value				**49·1**	**64·0**	**56·1**	**−0·7**	**37**		**80**											
¶ §	Scilly	20	30·084	+·100	53·6	61·3	57·5	0·0	50	1st	65	25th	56·4	58·2	2·5	3·2	·382	·390	84	80	—	—
¶ §	Jersey	36	30·055	+·079	52·7	66·3	59·5	+0·5	43	18th	82	3rd	59·0	62·2	3·1	5·3	·404	·394	81	71	—	—
	Guernsey (Brooklyn)	311	29·772	—	51·6	62·8	57·2	−0·5	47	8th	74	3rd	57·2	54·6	2·6	1·7	·395	·381	83	86	61·7	57·7
	District Value				**53·0**	**61·2**	**58·3**	**+0·1**	**43**		**82**											

For notes see p. lix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of JUNE, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 8 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Number of Days.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																			
255	—	52	—	6·0	4·6	7	1·01	−0·91	0·55	1st	0	0	2	5	8	0	—	0	*1*	**23**	3	8	4	0	2	7	5	8	Reading.
—	—	—	—	5·7	4·3	6	0·89	−1·38	0·46	1st	0	0	2	2	*2*	0	0	0	10	0	9	7	0	2	7	9	7	**19**	Salisbury.
241	—	49	—	7·0	6·0	8	2·25	—	1·14	3rd	0	0	**9**	3	**16**	5	0	0	10	0	**15**	16	1	1	7	14	3	3	Dover.
296	+73	61	+15	5·1	—	3	1·42	−0·54	0·86	1st	0	0	3	4	8	0	0	0	14	6	12	12	2	6	2	16	2	*2*	Brighton.
283	+61	58	+12	4·9	4·3	4	1·78	−0·18	1·20	1st	0	0	2	**8**	6	0	—	0	8	12	0	11	3	8	0	12	9	5	Eastbourne.
299	—	62	—	4·8	—	4	0·68	−1·23	0·39	16th	0	0	1	**8**	5	0	0	0	18	0	10	14	4	4	2	8	**10**	8	Portsmouth.
—	—	—	—	7·7	6·1	8	1·17	−0·36	0·40	16th	0	0	3	0	10	**6**	—	0	**30**	0	5	**21**	3	3	2	**17**	4	5	Dungeness.
264	+35	54	+ 7	5·6	4·9	6	1·62	−0·27	0·88	3rd	0	1	3	5	5	0	—	0	15	1	13	*14*	2	2	5	10	9	4	Hastings.
279	+67	57	+14	6·0	4·7	5	0·51	−1·58	0·23	1st	0	0	1	3	6	0	0	0	14	0	2	20	1	**9**	2	13	*1*	12	Southampton.
280	+84	58	+18	5·1	—	4	0·56	−1·34	0·32	16th	0	0	0	6	4	4	—	0	12	4	7	*3*	**10**	7	**8**	6	9	6	Ventnor.
261	**+50**	**54**	**+11**	**5·8**	**5·0**	**7**	**1·26**	**−0·61**	**1·21**																				
258	—	53	—	6·3	5·3	6	1·34	—	0·55	4th	0	1	3	1	6	0	0	0	2	2	6	16	6	4	1	15	4	6	Tottenham.
240	—	49	—	6·5	—	9	1·26	−1·03	0·47	1st	0	0	2	4	12	0	0	—	—	4	14	20	0	2	0	8	8	4	Camden Square.
246	+79	50	+16	6·8	4·7	8	1·33	−0·88	0·63	1st	0	0	4	1	7	0	0	0	14	2	9	9	11	1	2	13	7	6	Westminster.
262	+65	53	+13	6·2	5·1	6	2·07	+0·03	0·95	4th	0	1	3	4	10	2	1	0	2	4	7	11	8	6	2	12	8	2	Greenwich.
—	—	—	—	5·9	4·5	7	2·63	+0·26	1·29	4th	0	1	3	5	6	0	0	0	5	12	15	9	3	3	4	9	2	3	Norwood.
259	+63	53	+13	6·8	5·2	7	1·92	−0·30	0·71	1st	0	2	3	4	8	0	0	0	5	13	12	7	7	2	3	9	4	3	Kew.
244	+67	50	+14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	7·0	6·2	19	3·59	−0·39	0·68	12th	0	0	1	0	10	0	—	0	24	**8**	**15**	0	1	0	**16**	*4*	13	*3*	Laudale.
—	—	—	—	6·2	6·0	16	3·87	+0·65	0·70	11th	0	0	1	4	10	2	—	0	23	6	3	3	0	5	6	8	**19**	10	Poltalloch.
196	+31	38	+ 6	7·0	6·6	13	2·56	−0·27	0·56	2nd	0	0	1	1	**11**	0	0	0	6	6	2	5	**13**	0	2	11	17	4	Glasgow.
—	—	—	—	5·6	5·5	15	3·73	+0·49	0·76	13th	0	0	1	**7**	10	**4**	—	0	10	**8**	7	2	**13**	0	0	5	16	9	Rothesay.
—	—	—	—	5·9	—	14	2·87	+0·30	0·55	12th	0	0	0	6	10	2	0	0	16	6	0	**12**	2	**8**	0	**20**	6	12	Colmonell.
—	—	—	—	5·4	4·9	12	2·53	+0·05	0·94	13th	0	0	1	5	*5*	0	0	0	12	2	3	7	12	6	0	14	5	11	Dumfries.
—	—	—	—	—	—	14	3·34	+0·21	0·89	13th	0	0	0	—	—	0	—	0	*5*	0	1	5	1	7	14	12	*4*	**16**	Cally.
229	+ 9	45	+ 1	6·3	6·0	12	2·28	−0·25	0·72	13th	0	0	**2**	4	10	2	0	1	**32**	7	3	2	8	6	4	8	11	11	Douglas.
213	**+22**	**42**	**+ 5**	**6·2**	**5·9**	**14**	**3·04**	**+0·21**	**0·94**																				
216	+ 9	43	+ 2	6·7	5·6	10	1·93	−0·23	0·69	17th	0	0	0	*3*	13	0	0	0	**23**	6	2	3	10	5	3	8	12	11	Southport.
186	—	37	—	—	—	13	1·71	−1·16	0·70	1st	0	0	4	—	—	0	0	0	0	3	3	**9**	9	3	6	10	12	5	Manchester (City).
183	—	37	—	6·1	5·0	10	1·73	—	0·67	1st	0	0	3	**6**	6	0	1	0	12	0	3	3	12	3	**7**	11	13	8	„ (Whitworth P'k).
223	—	44	—	5·3	4·8	14	2·36	−0·11	1·31	13th	0	0	1	**6**	6	1	0	0	14	11	9	8	*2*	0	*1*	11	13	5	Aspatria.
225	+16	44	+ 3	6·1	4·7	11	1·67	−0·37	0·71	13th	0	0	1	**6**	8	1	1	0	16	15	3	*1*	3	**10**	**7**	9	10	*2*	Newton Rigg.
201	+ 5	40	+ 1	6·8	5·3	15	2·69	−0·49	1·20	13th	0	0	**5**	**6**	12	0	0	0	2	**17**	2	8	3	1	2	10	13	4	Stonyhurst.
226	+27	45	+ 5	6·7	6·4	12	2·30	+0·08	0·91	17th	0	0	1	4	14	0	0	0	20	2	3	3	8	8	*1*	10	11	**14**	Blackpool.
210	+41	42	+ 8	7·6	6·3	12	1·94	−0·93	0·70	1st	0	0	3	5	**17**	0	0	0	4	0	*1*	6	**13**	1	6	*5*	**25**	3	Manchester (Prestwich).
211	—	42	—	5·9	5·5	10	1·98	−0·19	0·67	17th	0	0	1	4	7	0	—	0	10	0	2	2	9	5	2	12	21	7	Liverpool, Bidston Obs.
238	+34	48	+ 7	4·9	5·3	12	2·39	+0·42	0·63	17th	0	0	1	**6**	6	0	—	0	2	6	10	2	5	1	3	8	23	*2*	Llandudno.
—	—	—	—	5·9	5·7	13	2·83	+0·64	0·62	13th	0	0	0	*3*	10	**13**	—	2	20	1	**14**	3	8	0	2	**19**	*5*	8	Holyhead.
205	—	41	—	4·7	4·8	13	3·14	—	1·12	13th	0	0	2	**6**	*4*	0	0	0	5	6	3	3	7	3	*1*	15	13	9	Bettws-y-Coed.
222	**+25**	**44**	**+ 5**	**6·1**	**5·4**	**13**	**2·32**	**+0·10**	**1·40**																				
215	—	44	—	6·4	—	8	1·32	—	0·39	11th	0	0	**2**	6	**15**	0	5	0	6	12	**16**	6	0	0	*2*	0	**14**	10	Llangammarch Wells.
254	+28	52	+ 6	5·3	5·2	8	0·69	−1·37	0·27	11th	0	0	0	*3*	5	**7**	—	0	**30**	0	11	**7**	5	5	**5**	9	9	9	Pembroke.
266	—	55	—	—	—	7	0·59	−1·76	0·19	1st	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	4·8	4·5	3	0·36	—	0·29	1st	0	0	0	4	*4*	2	—	0	18	4	5	5	**9**	2	4	7	12	12	Portland Bill.
288	+76	60	+16	6·5	5·7	6	0·40	−1·84	0·14	1st	0	0	1	4	10	1	0	0	?	**17**	15	0	5	6	*2*	9	0	6	Plymouth.
242	+15	50	+ 3	6·0	4·1	8	1·04	−1·40	0·46	29th	0	1	1	6	7	2	—	0	7	12	14	4	4	4	4	6	3	9	Falmouth.
275	+49	56	+10	4·2	4·7	7	0·82	−1·07	0·55	1st	0	0	**2**	**9**	5	3	—	0	4	5	*2*	**14**	2	0	*2*	**10**	7	**18**	Woolacombe.
280	—	58	—	5·8	3·4	9	0·54	—	0·30	1st	0	0	0	**9**	5	4	0	0	*1*	8	9	7	3	3	4	**10**	7	9	Rousdon.
—	—	—	—	6·1	5·1	8	1·23	—	0·43	30th	0	1	1	6	11	5	0	0	8	2	12	4	7	**7**	3	6	4	15	Whitchurch.
247	**+40**	**51**	**+ 9**	**5·6**	**4·7**	**7**	**0·76**	**−1·47**	**0·98**																				
—	—	—	—	8·0	6·5	20	2·52	+0·43	0·51	2nd	0	0	0	0	**14**	**7**	—	1	**26**	0	6	1	**8**	**3**	*3*	10	**16**	**13**	Malin Head.
—	—	—	—	7·2	6·7	17	3·01	+0·38	0·73	10th	0	0	0	0	10	0	—	0	23	0	10	5	1	*1*	4	**15**	11	**13**	Blacksod Point.
154	−16	30	− 4	8·0	6·5	16	3·19	+0·21	0·63	1st	0	1	2	**3**	**14**	4	1	0	5	26	9	0	0	2	**9**	*4*	*1*	9	Markree Castle.
—	—	—	—	6·1	6·0	16	3·68	+1·40	0·94	13th	0	0	0	1	*8*	5	—	0	7	5	10	**8**	6	*1*	**9**	7	5	9	Donaghadee.
185	+13	37	+ 3	7·3	6·1	15	1·89	−0·58	0·61	13th	0	0	0	**3**	**14**	0	0	0	0	**40**	*2*	0	1	**3**	4	9	*1*	0	Armagh.
—	—	—	—	—	—	18	3·06	+0·65	0·93	2nd	0	0	0	—	—	0	—	0	0	17	**12**	3	4	*1*	5	6	4	8	Belfast.
170	**+ 1**	**34**	**0**	**7·3**	**6·4**	**17**	**2·86**	**+0·24**	**0·94**																				
183	−13	37	− 2	7·1	5·5	15	1·40	−0·68	0·30	2nd	0	1	0	4	10	2	0	0	5	**27**	*2*	4	3	0	3	11	*4*	6	Dublin (Phœnix Park).
181	—	36	—	7·2	5·2	9	1·36	—	0·31	2nd	0	0	0	4	8	0	0	0	5	15	8	4	5	5	4	*1*	**12**	6	„ (Trinity College)
—	—	—	—	6·5	4·6	12	1·65	−0·34	0·35	16th	0	1	0	**5**	*4*	1	0	0	4	0	8	**11**	**10**	1	0	9	11	10	„ (City).
—	—	—	—	—	—	10	1·03	−1·79	0·28	17th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
159	−10	32	− 2	7·6	6·5	13	1·57	−0·90	0·55	30th	0	0	1	1	9	0	—	0	*3*	2	5	3	*1*	3	8	**14**	6	**18**	Birr Castle.
—	—	—	—	—	—	12	1·24	−1·59	0·48	16th	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
184	− 9	37	− 3	7·9	6·2	16	1·56	−2·03	0·31	10th	0	0	1	0	**13**	1	—	0	**16**	11	13	5	*1*	3	**10**	4	7	6	Valencia.
—	—	—	—	6·7	6·4	13	1·14	−2·06	0·51	16th	0	0	0	2	**13**	**3**	—	0	9	1	**14**	*2*	5	**8**	9	8	5	8	Roche's Point.
178	**− 7**	**36**	**− 1**	**7·2**	**5·7**	**13**	**1·53**	**−0·98**	**0·75**																				
231	−13	48	− 3	6·8	6·7	9	0·64	−1·23	0·30	2nd	0	1	*1*	0	**12**	**6**	—	0	21	0	**11**	6	**9**	0	**7**	**11**	*8*	*8*	Scilly.
260	+19	54	+ 4	6·7	4·0	6	0·77	−1·29	0·30	16th	0	0	**2**	**4**	7	*3*	—	0	**23**	2	*5*	**13**	8	2	*2*	*3*	11	**14**	Jersey.
235	−17	49	− 4	6·2	3·7	6	0·62	−1·52	0·24	1st	0	0	**2**	**4**	*4*	**6**	0	0	7	**4**	10	12	*1*	0	5	6	**13**	9	Guernsey (Brooklyn).
244	**0**	**51**	**0**	**6·6**	**4·8**	**7**	**0·63**	**−1·17**	**0·30**																				

The sunshine entered to Portsmouth is registered at Southsea.

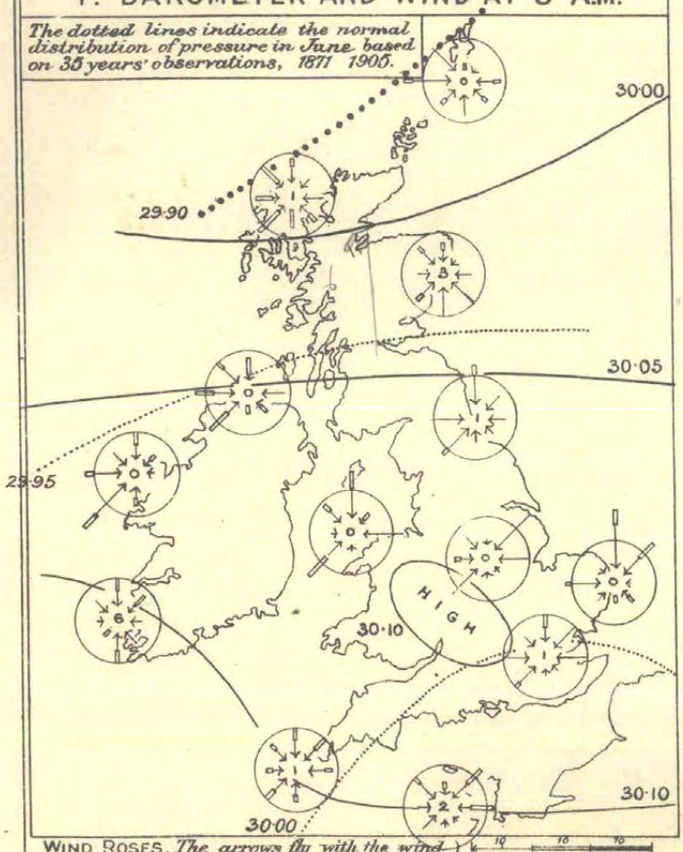
TABLE XII.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, JUNE, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Balta Sound S	31	44·9	53·8	49·4	—	38	7th	61	30th	—	—	—	20	2·43	—	0·35	4th	175	—	31	—
1. SCOTLAND, E.	§ Crathes S	140	45·4	64·1	54·8	—	34	12th	77	27th	55·4	51·1	5	13	1·19	—	0·39	11th	159	—	30	—
	§ Balruddery S	276	45·9	64·6	55·3	—	38	8th, 12th	81	25th	—	—	—	12	1·26	—	0·27	13th	204	—	39	—
	§ Edinburgh	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	210	+ 58	41	+12
	¶ West Linton S	800	44·8	61·7	53·3	− 0·2	37	5th, 21st	78	27th	—	—	0	12	1·64	—	0·74	13th	201	—	39	—
2. ENGLAND, N.E.	¶ Alnwick Castle	210	46·7	63·4	55·1	+ 0·7	38	21st	77	4th, 25th	—	—	—	11	0·65	−1·40	0·25	13th	—	—	—	—
	Newcastle-on-Tyne	152	48·3	63·1	55·7	—	42	21st	78	25th	—	—	—	11	0·40	−1·58	0·16	13th	144	+ 2	28	0
	Ampleforth	349	46·9	65·6	56·3	—	37	22nd	78	3rd	—	—	—	5	0·59	—	0·25	16th, 17th	—	—	—	—
	Tealby	251	48·1	63·5	55·8	− 0·8	39	7th	78	4th	—	—	—	7	1·13	−0·93	0·60	17th	—	—	—	—
	¶ Fulbeck	180	47·8	67·6	57·7	− 0·7	37	7th	82	4th	—	—	—	10	1·09	−0·89	0·30	16th	—	—	—	—
	§ Rauceby	124	47·7	67·0	57·4	—	37	15th	83	4th	—	—	1	8	1·17	−0·74	0·33	16th	231	—	46	—
3. ENGLAND, E.	Felixstowe	10	51·1	65·1	58·1	+ 0·1	41	9th	77	4th	—	—	—	5	0·55	—	0·34	16th	256	—	52	—
	¶ § Rothamsted	424	48·4	67·9	58·2	+ 0·7	38	7th	79	3rd	—	—	—	10	1·57	−0·71	0·51	4th	251	+ 58	51	+12
	Shoeburyness	18	52·4	66·6	59·5	0·0	42	7th	74	10th	—	—	—	5	1·09	−0·70	0·54	1st	—	—	—	—
	Southend-on-Sea	100	51·7	68·6	60·2	—	41	7th	75	1st, 10th	62·7	—	0	4	1·05	−1·00	0·62	1st	250	—	51	—
4. MIDLAND COUNTIES	¶ § Harrogate	476	46·6	64·3	55·5	0·0	36	21st	75	25th	54·4	51·9	2	8	1·04	−1·41	0·38	1st	214	—	43	—
	Bradford	330	47·7	63·9	55·8	—	38	21st	76	3rd	57·3	50·8	0	9	1·28	—	0·34	1st	197	—	39	—
	¶ Cheadle M	646	47·5	66·9	57·2	+ 1·3	38	21st	77	26th	—	—	2	12	4·19	+1·40	2·78	3rd	—	—	—	—
	¶ Bawtry	65	46·9	67·7	57·3	− 0·6	36	21st, 22nd	80	3rd	—	—	—	9	1·76	−0·29	0·79	3rd	—	—	—	—
	§ Worksop M	56	47·0	67·5	57·3	− 0·3	34	21st	80	3rd	57·7	53·9	—	8	1·60	−0·47	0·51	3rd	196	+ 31	39	+ 6
	Rugby	379	47·1	67·8	57·5	0·0	38	7th	82	3rd	—	—	1	9	1·21	—	0·33	1st	—	—	—	—
	¶ Raunds M	210	47·7	69·0	58·4	+ 0·1	35	7th	84	4th	—	—	—	9	0·90	—	0·33	16th	—	—	—	—
	Winslow	379	48·8	68·9	58·9	—	38	7th	81	3rd	—	—	0	8	1·71	—	0·63	1st	—	—	—	—
	¶ Hereford M	291	47·3	68·3	57·8	− 0·5	36	15th	80	26th	—	—	0	9	0·86	−1·36	0·29	3rd	—	—	—	—
	¶ § Cirencester	446	46·8	67·5	57·2	+ 0·2	36	7, 15, 19	80	3rd	—	—	0	7	0·63	−1·76	0·22	1st	238	+ 43	49	+ 9
	Epsom	160	49·3	71·0	60·2	—	36	7th	83	4th	—	—	1	8	2·74	—	1·21	4th	—	—	—	—
	Wokingham	216	45·5	69·5	57·5	—	29	7th	82	4th	—	—	—	6	0·97	—	0·59	1st	—	—	—	—
	Maidenhead	99	48·7	72·9	60·8	—	37	7th	83	26th	—	—	10	5	1·07	−1·21	0·65	1st	—	—	—	—
	¶ § Marlborough	424	45·4	68·5	57·0	− 0·2	33	22nd	82	4th	—	—	1	8	0·58	−1·88	0·24	16th	251	+ 69	51	+14
	¶ Swarraton M	310	47·7	68·4	58·1	+ 1·3	35	7th	80	4th	—	—	—	7	0·80	−1·47	0·33	16th	—	—	—	—
	¶ § Margate	35	53·1	65·5	59·2	+ 1·1	48	7th	78	1st	58·5	55·4	1	8	1·38	−0·51	0·60	16th	204	+ 18	42	+ 4
	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	8	1·40	—	0·61	16th	221	—	45	—
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	222	—	45	—
5. ENGLAND, S.E.	¶ § Wisley	150	49·4	69·3	59·4	+ 0·3	37	7th	81	4th	60·6	56·3	2	6	1·72	—	0·71	1st	266	—	55	—
	¶ § Tunbridge Wells M	421	49·7	68·1	58·9	+ 0·8	40	7th	82	4th	62·3	—	—	6	2·29	0·00	1·16	4th	266	+ 66	55	+14
	Folkestone	121	51·8	65·2	58·5	—	46	7th, 18th	81	4th	—	53·1	—	6	0·89	−1·04	0·39	16th	247	—	51	—
	§ Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	223	—	46	—
	Bexhill	27	52·6	65·5	59·1	—	43	7th	78	3rd	61·8	—	0	5	1·12	—	0·39	16th	263	—	54	—
	Lewes	58	50·1	67·0	58·6	—	41	7th	82	4th	—	—	—	5	1·38	—	0·83	1st	—	—	—	—
	§ Worthing	36	51·3	66·9	59·1	+ 0·9	40	7th	80	3rd, 4th	61·8	55·8	0	4	1·34	−0·55	0·54	4th	301	—	62	—
	Bognor	20	51·7	66·1	58·9	—	41	7th	78	3rd	—	54·5	0	5	0·98	—	0·46	16th	288	—	59	—
	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	298	—	61	—
	Totland Bay	150	51·3	66·6	59·0	+ 1·5	45	26th	82	4th	—	—	—	3	0·54	−1·47	0·37	1st	298	—	61	—
	Bournemouth	145	49·9	69·0	59·5	—	40	7th	82	4th	59·8	57·5	—	3	0·53	—	0·42	1st	298	—	61	—
	Weymouth	21	51·7	67·3	59·5	—	44	7th	81	4th	—	—	—	3	0·39	—	0·30	1st	277	—	57	—
6. SCOTLAND, W.	Thornton Hall (Lanarkshire)	440	46·6	62·7	54·7	—	40	17, 20, 21	80	27th	—	—	0	13	2·77	—	0·72	13th	202	—	39	—
	¶ Kilmarnock	90	47·1	63·3	55·2	− 0·8	39	17th	79	30th	—	—	—	13	2·62	—	0·68	13th	212	—	41	—
7. ENGLAND, N.W.	Carnforth	174	48·7	64·7	56·7	—	40	21st	80	28th	—	—	0	13	2·63	—	1·40	13th	207	—	41	—
	Darwen	710	46·4	64·1	55·3	—	40	6th	78	28th	58·9	52·3	0	14	2·27	—	0·68	13th	184	—	37	—
	Burnley	459	46·7	64·2	55·5	—	35	21st	78	3rd	57·1	51·6	1	11	1·65	—	0·70	13th	192	—	38	—
	§ Hoylake	30	51·0	63·8	57·4	—	44	21st	77	3rd, 30th	—	—	0	10	1·94	—	0·78	17th	228	—	45	—
	Rhyl	30	49·3	63·6	56·5	—	41	21st	78	28th	—	—	—	10	2·18	+0·35	0·83	17th	230	—	46	—
	¶ Hawarden Bridge	22	49·5	64·8	57·2	− 0·7	39	21st	78	3rd	—	—	—	13	1·87	−0·01	0·75	17th	—	—	—	—
	Towyn	10	50·0	64·6	57·3	—	36	7th	80	29th	59·8	52·9	0	13	2·16	—	0·49	1st	243	—	49	—
	§ Aberdovey	22	52·5	64·4	58·5	—	43	7th	79	26th	—	—	—	13	2·75	—	0·69	1st	226	—	45	—
8. ENGLAND, S.W.	§ Aberystwyth	59	54·6	61·7	58·2	—	43	7th	80	28th, 29th	—	—	—	—	—	—	—	—	211	—	43	—
	Haverfordwest	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	273	—	56	—
	Tenby	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	288	+ 59	59	+12
	Port Talbot	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	236	—	48	—
	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	—	7	1·55	—	0·75	3rd	—	—	—	—
	" "	900	—	—	—	—	—	—	—	—	—	—	—	7	1·70	—	0·98	3rd	—	—	—	—
	¶ Cardiff	50	49·7	66·9	58·3	− 0·5	41	22nd	79	3rd, 26th	61·4	55·3	0	9	0·47	−2·11	0·12	11th	274	—	56	—
	Swansea	24	52·4	68·1	60·3	—	45	7th, 15th	80	4th	—	—	0	9	1·10	—	0·30	11th	—	—	—	—
	¶ Shaftesbury M	722	49·0	66·8	57·9	+ 1·4	41	7th, 21st	78	3rd	60·6	—	—	6	0·40	−1·97	0·22	16th	—	—	—	—
	¶ Arlington	613	48·5	65·0	56·8	+ 0·6	39	19th	78	29th	—	—	—	9	1·61	−1·57	0·84	1st	—	—	—	—
	¶ § Cullompton M	202	48·8	70·5	59·7	+ 1·5	36	19th	81	3rd	—	—	—	7	0·68	−1·72	0·43	1st	265	+ 68	55	+15
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	280	+ 49	58	+10
	§ Newquay	100	52·0	62·0	57·0	− 0·2	44	18th, 22nd	76	29th	58·7	—	—	5	0·72	−1·25	0·41	30th	256	+ 36	53	+ 8
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	299	—	62	—
	Penzance	54	52·3	64·2	58·3	—	43	13th	72	30th	—	—	—	8	1·21	—	0·59	17th	241	—	50	—

MONTHLY WEATHER CHARTS, JUNE, 1908.

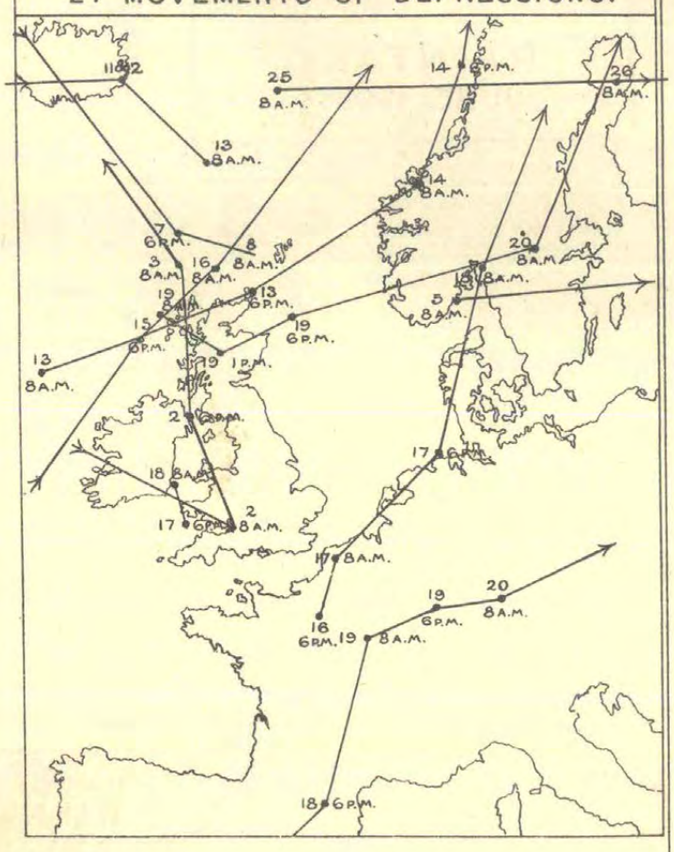
1. BAROMETER AND WIND AT 8 A.M.

The dotted lines indicate the normal distribution of pressure in June based on 35 years' observations, 1871 1905.



WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light moderate strong — 30 Obs.ns = 1 inch

2. MOVEMENTS OF DEPRESSIONS.

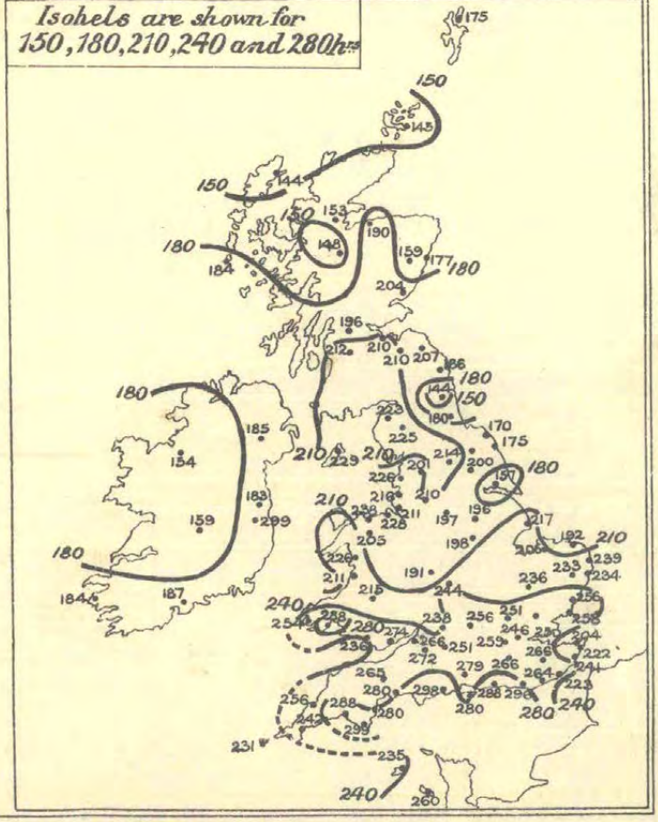


3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300ft.

4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 150, 180, 210, 240 and 280hrs



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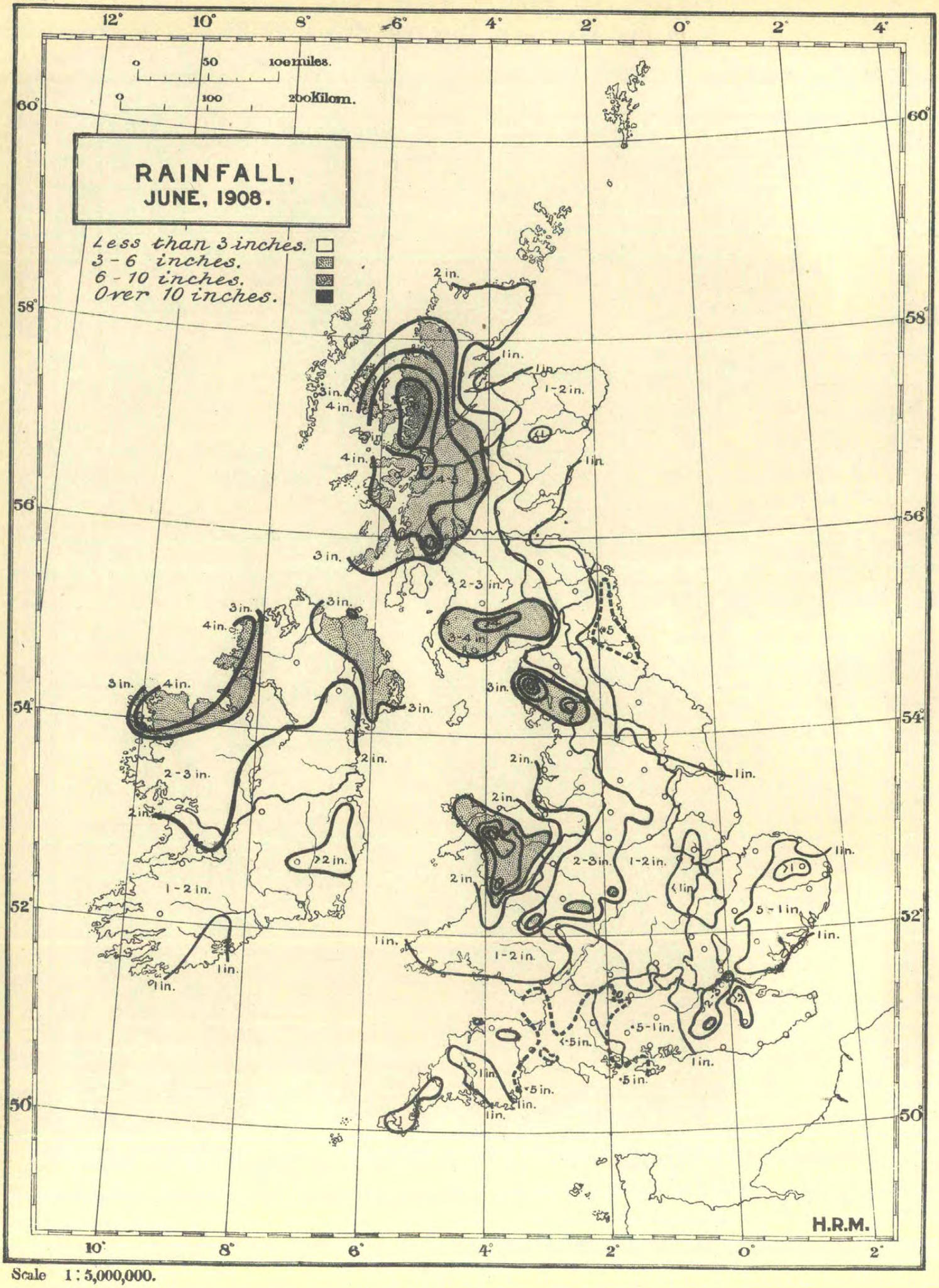

Scale 1 : 5,000,000.

TABLE XII (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, JUNE, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dublin (Glasnevin) - -	67	46·8	63·6	55·2	- 1·0	40	7th, 21st	73	29th	—	—	0	14	1·50	-0·58	0.35	2nd	—	—	—	—
	Kingstown - - -	—	50·0	62·5	56·3	—	44	15th	69	9, 22, 29th	—	—	—	8	1·33	—	0·40	2nd	199	—	40	—
	Clongowes Wood College -	237	44·6	64·7	54·7	—	37	21st	77	29th	—	—	—	14	1·51	—	0·40	18th	—	—	—	—
10. IRELAND, S. ¶	Kilkenny - - - -	212	47·9	64·9	56·4	- 0·8	38	12th	77	26th	—	—	—	12	2·09	-0·38	0·75	17th	—	—	—	—
¶	Cahir - - - M	199	48·6	64·7	56·7	- 0·1	38	12th	77	27th	—	—	—	17	1·78	—	0·66	16th	—	—	—	—
¶	Foynes - - - -	108	49·2	63·5	56·4	- 0·6	42	12th, 21st	77	29th	—	—	—	15	1·75	-0·60	0·40	13th, 30th	—	—	—	—
§	Ballinacurra - - -	34	47·8	64·6	56·2	—	39	16th	76	27th	—	—	—	10	0·89	—	0·31	11th	187	—	38	—
11. ENGLISH CHANNEL ¶ §	Guernsey (Villa Carey) -	180	52·6	65·1	58·9	+ 1·2	47	7th	79	3rd	—	—	—	7	0·47	-1·67	0·20	1st	242	-6	50	-2

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—Observations are made at 9 a.m. and 9 p.m. at normal climatological stations (names in clarendon type); at 9 a.m. only at auxiliary climatological stations (names in *italic* type); and at 8 a.m. and 6 p.m. at telegraphic reporting stations (names in ordinary type). At **Oxford** the observing hours are 8 a.m. and 8 p.m., and at **Ventnor** 9 a.m. and 6 p.m.

Barometer.—The correction for latitude has not been applied. The values are for station level. They are the means of readings at 8 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 8 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky**," if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906, and in Appendix I. to the Daily Weather Report. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815-1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, mimimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked M is supplied by the Royal Meteorological Society, and that for stations marked S is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street, London, S.W. July 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The mean pressure results for the month of July were above the normal in all parts of the British Isles, the excess ranging from 0·05 in. in the south-east of England to 0·11 in. in the north-east of Scotland. Mean pressure was highest, above 30·1 ins. on the Bay of Biscay, and lowest, below 29·95 ins. in two northern areas, one extending eastward from Shetland across southern Scandinavia to Russia, the other occupying the southern portion of Iceland and the adjacent sea. The anticyclonic and the cyclonic systems which visited this country were of only moderate intensity, so that the range of pressure was nowhere large—about the English Channel it was less than an inch, 0·85 in. at Jersey, and only on the east coast of Scotland did it amount to as much as 1¼ in. As a whole, therefore, the conditions were of a very quiet type, calms and very light breezes from points in the South-West, North-West and North-East quarters being experienced pretty generally, and only on rare occasions did the wind increase to or exceed a strong breeze.

A closer inspection of the details shows that the month was divided into three well-defined weather periods. (1.) The anticyclonic distribution of pressure, with its attendant very fine, dry and sunny weather, which settled over the country about June 21st was maintained with only some minor modifications through the first seven days of July. On July 1st and 2nd the central space of the system covered the greater part of the British Isles, the barometer standing at about 30·4 ins. over a large area. At this time there was a depression of considerable extent over eastern Russia. On July 3rd both systems made a westerly movement, the pressure maximum being transferred to the Iceland region, and the minimum advancing to the neighbourhood of St. Petersburg. Winds from North-East and North were consequently felt in all parts of these islands, but the air current was very weak, few instances of so much as a moderate breeze being recorded. The accompanying weather was generally very fine, no rain falling over an extensive portion of the Kingdom during the first six days, and, in some localities, seven or eight days of the month. This drought had set in about June 17th, and its duration exceeded 15 days at a large number of stations, 19 days in many neighbourhoods, 20 days at Parkstone, Dorset, and 22 days at Totland Bay. High afternoon temperatures were registered, maxima of 80° and upwards being very commonly experienced in the opening days of July in England, Scotland and Ireland. A maximum of 86° was reached at Crieff, Newton Rigg and London (Camden Square) on the 2nd, and at Shrewsbury, Epsom and Killarney on the 3rd; 87° at Clifton and Camden Square on the 3rd; and 91° at Dumfries on the 2nd. Though the weather generally was so fine, the heat was associated with rather close, thundery conditions, and, with the exception of the 6th, thunderstorms or thunder alone occurred daily in various localities, and especially on the 3rd and 4th, when extensive areas of England and Ireland were affected. In many instances, however, the storms were rainless or produced very little precipitation, and only at Abersychan (Monmouth) on the 4th, was there as much as an inch of rain. At Camden Square on the same day 0·29 in. of rain fell in eight minutes. Unusually large hail, "size of small bullets," fell at Great Billing (Northampton) during one of the storms.

(2.) On the evening of the 7th the reports indicated the approach of a low pressure system from the Atlantic, and during the succeeding ten days the conditions were of a persistently unsettled cyclonic type. Three depressions moved across our northern districts to the North Sea, one entered the mouth of the English Channel and passed along Western France, and another formed over the eastern portion of the Channel and crossed the North Sea to Norway. The deepest were those which appeared off the north-west of Ireland on the 10th and the 16th respectively. In the former the barometer fell below 29·5 ins. over the northern half of the Kingdom, to 29¼ ins. at Malin Head. At some of the western and southern stations the South-Easterly to South-Westerly breeze increased to the force of a strong or high wind, but no gale was felt. The disturbance of the 16th–18th was a little deeper, pressure decreasing below 29¼ ins. at several northern stations, to 29·19 ins. at Aberdeen. This system produced the only gale force of the month, a strong South-Westerly gale being felt for a short time at Portland Bill late on the 16th; a North-Westerly gale at Malin Head on the evening of the 17th; and a Northerly gale at Holyhead on the morning of the 18th.

This disturbed period was marked by considerably lower afternoon temperatures all over the country. Rain and thunderstorms occurred practically every day in different districts. South Wales was visited by a heavy rainstorm on the 9th, the amounts measured ranging up to 1·4 in. at Swansea, and 1·6 in. at Llandovery and Llangammarch Wells, while Lampeter had 1·1 in. on the 9th, and 1·2 in. on the 10th. With and without thunderstorms, falls of an inch or more were registered on the 12th and 13th in the south and east of England, 1·8 in. at Norwich. At Herne Bay it was reported that 2·65 ins. fell in about three and a half hours on the morning of the 13th. Armagh Observatory experienced a fall of 1·5 in. of rain on the 13th, an inch of which fell in one hour. On the 16th and 17th, again with and without thunderstorms, there were further large falls at a number of stations scattered throughout England and Wales, ranging up to 1·5 in. at Swansea, 1·6 in. at Newport, and 2 ins. at Pant-yr-Eos (Mon.)

An interesting feature was associated with the formation of a disturbance on the English Channel on the 12th. At about 3 p.m. the barometer over southern England became violently agitated, falling and rising during three hours at unusually rapid rates. The weather was very dull and gloomy, the atmosphere exceedingly humid and oppressive, with rain varying locally from a slight drizzle to a steady heavy downpour, thunderstorms occurring along the south coast. There was hardly any wind. At the Kew Observatory the barometer fell 0·03 in. from 3 to 3.10 p.m., followed by a slight recovery for about ten minutes; in the next ten minutes it fell 0·04 in., then rose 0·05 in. in twenty minutes. It continued to rise slowly till about 4.30 p.m., then in the next 55 minutes it fell 0·13 in., and from 5.25 to 5.40 p.m. it rose 0·06 in. The appearance was thundery, but only 0·03 in. of rain fell. Temperature ranged from 67° at 3 p.m. to 63° at 5 p.m., and the breeze was very light from South to South-West. Similar oscillations were registered on the same day at Brussels and Copenhagen in the forenoon, and at Hamburg late in the evening.

(3.) The spell of unsettled weather came to an end about the 17th; a high pressure system spread in from the Atlantic, and up to the close of the month anticyclonic fine weather conditions again prevailed. On the 28th and 29th the barometer reached 30·5 ins. in the south of England and of Ireland. In the last thirteen or fourteen days of the month no rain fell at many stations, and the amounts registered at others were generally very small, but 1·1 in. fell at Uldale (Cumberland) during a thunderstorm on the 25th, and at Killybegs on the 29th, when, also, 1·2 in. fell at Laudale. Afternoon temperatures of 80° and upwards were recorded at numerous stations in England on the 22nd, 24th, 25th, and 30th, Epsom touching 84° on the 30th.

Throughout the month the nights were of a singularly equable character as regards temperature, the minimum readings being nearly always between 50° and 60°, but Balmoral touched 32° on the 6th, Nairn at the same time sinking to 37°.

Fog was reported frequently on many parts of our coasts, most frequent in the west, least frequent in the east. On several occasions it was very dense locally, and occasioned considerable delay to shipping.

The temperature of the sea water round our shores was everywhere higher than in June, by as much as 5° in some neighbourhoods, and 6° at Stornoway. Off the west and north of Ireland, the south-east of England and the north of Scotland, the water was about the same temperature as, or a little warmer than, the air on shore, but in most localities it was cooler—by as much as 6° off the coasts of Aberdeen and Down.

Rainfall.—Owing to the local character of the thunderstorm rains between the 7th and 17th the distribution of precipitation was very irregular. The south-east and north-west of England had a fairly large excess, the English Channel had a deficiency of about an inch, and the north of Scotland of about 1½ in. The largest aggregates were 6 ins. at Darwen, and 5·6 ins. at Stonyhurst; the smallest, an inch at Portland Bill, and 0·8 in. at Jersey and Strathpeffer. Rain fell on 23 days at Blacksod Point and Killarney, against 10 days or less in many places, 7 days at Portland Bill and Ventnor.

Bright Sunshine.—Only in Ireland and the western half of England were the sunshine records generally above the average. Falmouth and the Isle of Man returned a deficiency of 28 hours, Marchmont and Strathpeffer 29 hours, and Greenwich 34 hours, while Woolacombe had an excess of 30 hours, and Valencia 42 hours. At Fort Augustus the month's aggregate was only 95 hours, or 18 per cent. of the possible duration, Balta Sound, Deerness and Strathpeffer returning 19 per cent. The following districts had 50 per cent. or more of the possible:—Rousdon, Jersey, Folkestone, Guernsey, Bournemouth, Portsmouth, Broadstairs, Dover, Ramsgate, and Totland Bay—the last-mentioned, with a total of 254 hours, had 52 per cent.

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TABLE XIII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level. and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·772	+ ·134	48·3	56·7	52·5	−0·3	45	5th, 7th	64	22nd, 23rd	51·7	52·9	2·0	2·2	·332	·341	87	86	—	—
	§ Deerness – –	163	29·756	—	48·7	57·0	52·9	−1·3	43	7th	65	2nd	53·7	51·7	2·1	1·5	·357	·347	86	90	—	—
	¶ § Stornoway – –	52	29·885	+ ·133	50·3	59·4	54·9	+0·1	43	6th, 7th	73	1st	53·9	56·0	2·1	3·6	·357	·350	87	77	—	—
	Castlebay – –	38	29·860	+ ·105	52·3	58·9	55·6	−1·6	48	7th	71	3rd	54·4	56·2	2·0	2·6	·367	·378	87	84	—	—
Mainland.	¶ Wick – –	80	29·835	+ ·111	49·4	60·7	55·1	−0·2	45	6th, 19th	73	2nd	53·7	55·0	2·2	2·4	·352	·365	86	85	—	—
	¶ Lairg – – S	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ Strathpeffer – –	210	29·709	—	51·3	65·3	58·3	+1·8	45	6th	81	2nd	58·9	55·1	4·3	2·8	·371	·356	74	82	—	—
	¶ Glencarron – S	504	29·390	—	49·6	61·9	55·8	+0·5	42	6th	81	1st	56·6	54·4	4·2	3·3	·342	·333	74	79	—	—
	¶ § Fort Augustus S	73	29·865	—	50·8	61·9	56·4	−0·7	44	6th, 26th	72	2nd	57·1	56·7	2·8	2·4	·384	·389	82	85	—	—
	¶ Fort William – S	38	29·901	—	51·2	63·4	57·3	+0·1	43	19th	81	2nd	58·0	55·8	4·0	2·5	·367	·375	76	84	—	—
	District Value –				**49·9**	**60·7**	**54·9**	**0·0**	**42**		**81**											
1. SCOTLAND, E.																						
	Dunrobin Castle S	16	29·910	—	50·9	60·8	55·9	−0·2	46	19th	71	25th	56·7	54·6	3·7	2·6	·360	·358	78	83	59·5	—
	¶ § Nairn – –	82	29·829	+ ·110	48·7	64·1	56·4	−1·0	37	6th	77	2nd	54·1	59·4	2·7	5·0	·343	·360	81	71	—	—
	¶ Gordon Castle S	107	29·809	—	48·1	64·2	56·2	−1·2	39	6th	76	1st	58·5	55·2	4·5	2·7	·360	·360	73	83	—	—
	¶ § Aberdeen – –	90	29·845 29·842	+ ·063 + ·065	50·7	61·2	56·0 55·8	−1·2 −0·4	41	6th	72	22nd	57·2	54·9	4·0	2·8	·354	·353	75	82	—	53·1
	Tillypronie – S	1120	28·752	—	46·6	61·5	54·1	−0·4	39	6th	80	2nd	55·4	52·0	3·6	2·0	·348	·339	79	87	—	—
	¶ *Balmoral* – – S	927	—	—	45·1	62·6	53·9	−1·2	32	6th	81	1st	57·4	—	—	—	—	—	—	—	—	—
	Dundee – – S	164	29·770	—	51·0	65·3	58·2	−0·6	43	19th	78	2nd	59·3	55·7	3·7	2·5	·398	·374	79	84	—	—
	¶ Crieff – – S	436	29·473	—	49·7	66·8	58·3	−0·5	44	19th	86	2nd	58·1	55·5	4·1	2·8	·366	·362	75	82	—	—
	¶ Leith – – –	37	29·892	+ ·094	52·6	64·8	58·7	−0·4	43	6th	73	2nd, 21st	56·3	60·5	3·0	4·6	·369	·386	81	74	—	—
	¶ § Marchmont – S	500	29·416	—	49·3	64·2	56·8	−0·4	43	6th	79	2nd	58·2	54·5	4·1	1·9	·367	·371	76	87	59·4	—
	District Value –				**48·9**	**63·8**	**56·0**	**−0·6**	**32**		**86**											
2. ENGLAND, N.E.																						
Northern Part.	§ Cockle P'rk (Morpeth)	331	29·606	—	49·8	63·8	56·8	—	44	5th, 29th	75	2nd, 22nd	58·8	55·1	4·1	2·3	·378	·373	76	86	59·4	55·7
	¶ Shields – – –	117	29·849	+ ·087	50·9	64·1	57·5	−0·8	45	29th	79	22nd	56·7	60·0	2·3	3·7	·392	·403	85	78	—	—
	Seaham – – –	138	29·809	—	52·4	64·2	58·3	−0·4	46	29th	79	22nd	59·6	56·9	4·2	2·8	·387	·385	75	83	—	—
	¶ § Durham – – –	352	29·582	—	50·4	66·2	58·3	−1·2	43	29th	82	2nd	61·0	56·6	4·7	2·6	·396	·383	74	84	—	—
	Whitby – – –	145	29·794	—	51·6	69·4	60·5	+1·5	42	1st	83	22nd	62·6	58·3	5·1	2·6	·410	·409	74	84	—	—
	¶ Rounton – M	245	29·698	—	50·1	66·2	58·2	+0·1	41	8th	81	2nd	59·3	55·9	4·2	2·3	·378	·379	75	85	60·6	—
	¶ § Scarborough – M	100	29·818	—	53·8	67·1	60·5	+1·1	50	8th	79	22nd	61·4	59·7	4·7	3·2	·398	·414	74	81	—	58·4*
	¶ § York – – –	53	29·929	—	52·9	68·9	60·9	+0·2	45	8th	84	2nd	61·6	59·0	4·6	3·2	·403	·402	74	81	59·8	55·4
Southern Part.	Hull – – –	2	29·972	—	53·0	68·9	61·0	+0·4	40	8th	81	22nd	62·7	59·3	4·3	2·5	·430	·426	75	85	60·3	54·7
	¶ Spurn Head – –	28	29·940	+ ·080	54·7	65·1	59·9	−0·3	52	1, 5, 20th	75	30th	57·5	60·6	2·0	3·2	·414	·427	87	81	—	—
	§ Skegness (7 a.m.) –	16	29·985	+ ·077	52·5	65·7	59·1	—	44	8th	81	30th	57·7	62·3	1·7	3·2	·425	·455	89	81	—	—
	¶ Lincoln – – –	42	—	—	52·2	69·7	61·0	−0·9	43	8th	81	2nd	62·3	59·8	4·3	3·6	·424	·408	75	80	61·9	57·0
	District Value –				**51·9**	**67·1**	**59·0**	**+0·3**	**40**		**85**										**60·4**	**55·7**
3. ENGLAND, E.																						
Northern Part.	¶ § Cromer – – –	139	29·846	—	53·1	66·3	59·7	—	48	8th	81	30th	60·3	57·3	3·0	1·9	·428	·413	82	87	—	—
	¶ § Hillington – M	92	29·885	—	50·9	69·8	60·4	−1·0	40	8th	81	30th	61·6	57·7	3·7	2·0	·428	·416	78	87	—	—
	¶ Norwich – – –	93	—	—	53·1	69·8	61·5	—	45	8th	81	30th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	29·952	+ ·074	54·9	66·1	60·5	−0·2	47	5th, 8th	80	30th	58·6	62·2	2·7	4·4	·410	·419	83	75	65·4	61·2
	Lowestoft – M	75	29·926	—	52·7	65·1	58·9	−1·7	45	8th	75	11th	61·8	58·1	3·8	2·5	·428	·407	78	84	63·7	58·8
	¶ § Geldeston – –	47	29·956	—	52·4	70·2	61·3	0·0	44	5th	83	30th	63·8	58·3	4·6	1·7	·439	·435	74	89	—	—
Southern Part.	¶ § Cambridge – –	43	29·958	—	52·5	71·3	61·9	−0·5	42	8th	82	30th	63·3	60·2	4·7	2·8	·430	·436	75	84	63·7	59·5
	Woburn – – –	294	29·720	—	50·7	70·7	60·7	—	41	8th	81	30th	62·0	58·8	4·3	2·3	·420	·427	77	86	—	—
	Bennington – M	411	29·638	—	51·9	70·1	61·0	−0·5	46	8th	81	30th	61·7	58·9	4·0	2·5	·422	·419	77	84	63·7	60·5
	¶ § Clacton – –	62	29·953	—	54·8	67·3	61·1	−1·8	48	21st	72	11, 28, 30th	62·9	60·8	5·9	3·0	·435	·442	77	82	62·3	59·5
	Berkhamsted – M	397	29·607	—	51·1	71·1	61·1	−0·2	47	8th	83	3rd	61·9	58·6	4·5	2·6	·412	·413	74	84	64·1	—
	District Value –				**53·1**	**68·7**	**60·4**	**−0·2**	**40**		**83**										**64·0**	**59·9**
4. MIDLAND COS.																						
Eastern Part.	Garforth – –	198	—	—	49·4	67·5	58·5	—	37	8th	81	2nd	60·7	57·0	4·9	2·3	·389	·398	74	85	57·8	53·3
	Huddersfield –	411	29·542	—	51·9	66·8	59·4	—	43	8th	81	2nd	60·0	57·8	4·4	2·8	·389	·397	76	83	61·0	54·9
	Wakefield – M	100	29·871	—	52·5	70·2	61·4	+1·4	42	8th	82	2nd	60·6	62·7	4·7	5·3	·385	·400	73	70	—	—
	Belvoir Castle –	276	29·703	—	52·0	69·4	60·7	−0·7	39	8th	80	2nd	60·9	58·6	3·7	2·1	·417	·428	78	87	—	58·7*
	Coventry – –	309	29·681	—	52·9	70·5	61·7	−0·3	46	8th	84	3rd	62·2	—	5·3	—	·394	—	71	—	62·9	57·1
	¶ § Nottingham –	85	29·891	+ ·065	52·2	70·4	61·3	−0·2	43	8th	84	2nd	58·3	65·7	2·3	5·2	·417	·454	85	72	61·8	57·8
	¶ § Birmingham –	542	29·433	—	52·9	68·5	60·7	+0·3	48	12th	82	3rd	58·4	59·7	3·7	4·2	·383	·390	79	76	56·6	52·4
	¶ § Oxford – –	212	29·817 29·791	+ ·081 + ·042	53·8	70·8	62·3	+0·3	49	20th	84	3rd	60·0 61·8	62·9 —	3·8 4·9	— —	·401 ·398	— —	77 73	— —	— —	— —
Western Part.	¶ § Bath – – –	84	29·949	+ ·080	54·7	71·0	62·9	+1·2	50	12th, 29th	85	3rd	62·1	67·5	4·6	—	·412	—	74	—	64·7	60·7
	¶ Shrewsbury –	212	29·778	—	50·9	69·8	60·4	−0·4	42	21st	86	3rd	61·2	58·4	3·7	1·8	·426	·436	79	89	—	—
	Buxton – – M	997	28·948	—	49·4	65·1	57·3	−0·5	40	8th	78	2nd	59·4	55·4	5·0	2·3	·360	·373	71	85	60·0	53·4
	§ Sheffield – –	450	29·516	—	52·9	67·1	60·0	−0·7	43	8th	80	22nd	60·6	59·3	4·7	3·2	·389	·410	75	81	58·9	54·1
	Stokesay – –	375	29·617	—	48·2	69·7	59·0	—	40	29th	84	3rd	62·3	55·2	4·6	1·5	·415	·393	74	90	—	—
	Cheltenham – M	206	29·817	—	54·3	70·6	62·5	+1·3	48	12th	85	3rd	63·6	60·7	5·1	3·6	·421	·418	72	79	—	—
	District Value –				**52·1**	**69·7**	**60·3**	**+0·3**	**37**		**86**										**60·5**	**55·8**

For notes see p. lxix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of JULY, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount.		Total Fall.	Diff. from Av.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W	
				a.m.	p.m.			Amount	Day																				
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
—	—	—	—	8·4	8·6	1·05	−1·35	0·25	29th	15	0	0	0	1	22	2	—	0	14	6	8	18	3	4	5	1	12	5	Sumburgh Head.
101	−38	19	−7	8·5	8·8	1·67	−1·18	0·26	25th	16	0	0	0	0	**24**	5	—	0	26	5	**15**	9	5	**7**	8	4	5	4	Deerness.
131	−13	25	−2	8·2	7·5	1·37	−1·66	0·33	21st	19	0	0	0	1	19	0	—	0	**40**	2	9	16	7	2	**10**	9	5	2	Stornoway.
130	—	25	—	9·4	8·1	2·96	—	0·56	16th	17	0	0	0	0	23	**10**	—	0	30	1	6	9	7	**7**	5	8	10	**9**	Castlebay (Barra Isd.)
—	—	—	—	8·0	7·5	1·63	−1·11	0·30	17th	20	0	0	0	0	14	3	—	0	9	2	13	8	16	1	7	3	11	1	Wick.
—	—	—	—	—	—	1·46	−1·63	0·47	16th	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
101	−29	19	−6	7·5	7·5	0·81	−2·26	0·32	10th	15	0	0	1	**2**	15	0	—	0	6	**19**	1	6	9	**7**	2	5	8	5	Strathpeffer.
—	—	—	—	8·1	8·3	2·16	−3·39	0·35	16th	21	0	0	0	1	22	0	—	0	*4*	0	14	*3*	**17**	0	0	0	**28**	0	Glencarron.
95	−5	18	−1	6·8	7·7	2·01	−0·95	0·52	11th	15	0	1	0	0	*11*	0	—	0	26	6	0	**27**	6	1	2	**16**	*4*	0	Fort Augustus.
—	—	—	—	8·1	8·4	3·90	−1·28	0·77	11th	18	0	0	1	1	20	1	—	0	8	13	0	16	4	1	1	14	10	3	Fort William
107	**−20**	**20**	**−4**	**8·1**	**8·0**	**1·94**	**−1·58**	**0·77**		**18**																			
—	—	—	—	—	—	1·95	−0·97	0·70	10th	10	0	0	0	—	—	0	—	0	5	**12**	3	3	14	13	5	5	0	7	Dunrobin Castle.
138	—	26	—	8·3	7·3	1·09	−1·68	0·32	17th	15	0	0	0	1	17	0	—	0	2	**12**	2	2	**24**	2	1	6	12	*1*	Nairn.
—	—	—	—	7·9	7·6	2·98	−0·34	1·22	17th	16	0	0	0	1	17	0	—	0	0	0	14	**13**	3	5	6	14	2	5	Gordon Castle.
142	−21	27	−4	7·4	7·6	2·17	−0·73	0·68	25th	11	0	0	0	2	16	1	—	0	3	10	6	4	4	3	**13**	8	2	**12**	Aberdeen.
—	—	—	—	6·6	7·3	4·86	+2·07	1·48	11th	16	0	0	2	1	14	1	0	1	**52**	0	**16**	5	3	11	2	5	8	**12**	Tillypronie.
—	—	—	—	7·1	—	1·83	−1·00	0·93	11th	13	0	0	**3**	**5**	15	0	2	0	2	0	12	4	0	2	2	4	**34**	4	Balmoral.
—	—	—	—	8·3	9·1	1·95	−1·02	0·37	8th	14	0	0	1	0	**22**	0	—	1	11	0	0	8	5	**16**	0	**25**	2	6	Dundee
—	—	—	—	6·9	7·1	3·53	+0·37	0·62	12th	15	0	1	1	0	15	0	—	1	10	0	3	*1*	27	0	3	*1*	25	2	Crieff.
—	—	—	—	6·8	6·8	3·25	+0·48	0·77	12th	13	0	0	0	0	12	0	—	0	2	0	3	9	15	1	5	11	14	4	Leith.
142	−29	28	−5	6·5	6·4	2·71	−0·71	0·51	25th	13	0	0	0	2	*11*	0	0	0	0	0	9	4	22	2	9	3	7	6	Marchmont.
142	**−21**	**27**	**−4**	**7·3**	**7·4**	**2·59**	**−0·41**	**1·48**		**14**																			
150	—	29	—	7·0	7·0	2·72	+0·02	1·13	17th	12	0	0	2	2	16	0	0	1	15	8	*1*	0	2	10	7	5	10	19	Cockle Park (Morpeth).
—	—	—	—	6·9	7·7	2·77	+0·11	0·58	11th	13	0	0	0	2	19	1	—	0	4	0	10	6	**6**	5	7	17	5	6	Shields.
—	—	—	—	7·3	7·8	2·75	−0·23	0·61	11th	12	0	0	2	2	19	0	—	0	8	13	**12**	2	1	5	4	13	6	6	Seaham.
151	−17	30	−3	7·4	8·2	2·51	−0·44	0·71	8th	13	0	0	2	3	**20**	0	0	0	4	**25**	5	3	1	0	9	5	11	*3*	Durham.
158	—	31	—	5·4	5·3	1·32	−1·13	0·47	8th	12	0	0	1	**7**	*8*	2	—	0	0	4	2	6	0	3	1	**23**	*2*	**21**	Whitby.
—	—	—	—	7·5	8·0	3·51	+0·56	0·99	17th	15	0	0	3	2	**20**	2	0	0	4	5	6	1	0	9	**17**	*4*	10	10	Rounton.
152	—	30	—	7·6	7·8	1·19	−1·41	0·25	17th	9	0	0	0	0	16	**6**	—	0	7	3	3	**21**	2	**11**	0	12	*2*	8	Scarborough.
169	−9	33	−2	6·3	5·8	2·65	−0·04	0·90	8th	14	0	0	3	4	*8*	0	—	0	2	0	7	6	4	2	11	9	**16**	7	York.
143	—	28	—	7·6	7·5	2·44	−0·03	0·76	8th	14	0	0	1	2	19	0	0	0	3	20	8	5	3	2	1	13	5	5	Hull.
—	—	—	—	7·3	6·8	2·12	+0·22	0·43	9th	12	0	0	**4**	1	16	4	—	0	**18**	1	8	6	4	6	9	8	10	10	Spurn Head.
198	—	40	—	6·0	5·9	2·39	—	0·49	8th	14	0	0	0	2	*8*	2	—	0	3	0	9	8	4	8	3	9	**16**	5	Skegness.
—	—	—	—	—	—	2·56	+0·19	0·54	8th	14	0	0	2	—	—	0	—	0	—	1	*1*	8	5	2	2	16	11	16	Lincoln.
168	**−24**	**33**	**−5**	**6·8**	**6·9**	**2·48**	**+0·04**	**1·13**		**13**																			
171	—	34	—	8·6	7·4	2·86	—	0·65	13th	15	0	0	1	0	**18**	**2**	—	0	**26**	1	**15**	*3*	1	2	**15**	13	*4*	8	Cromer.
183	−18	37	−3	7·3	7·2	3·74	+0·79	0·74	13th	15	0	0	4	2	16	0	0	0	3	**15**	4	**15**	0	0	*1*	16	7	4	Hillington.
—	—	—	—	—	—	3·49	—	1·80	13th	13	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	--	—	—	Norwich.
217	—	44	—	6·6	6·2	2·53	−0·12	0·67	13th	11	0	0	2	0	*5*	1	—	0	12	0	9	8	1	**11**	8	7	11	7	Yarmouth.
222	—	45	—	6·3	5·4	2·39	−0·09	0·66	13th	11	0	0	3	**4**	13	1	0	0	9	3	10	14	3	1	4	13	10	4	Lowestoft.
190	−23	38	−5	7·6	5·5	2·13	−0·34	0·38	16th	12	0	0	2	3	14	0	—	0	1	7	13	5	1	5	6	11	11	*3*	Geldeston.
197	−11	40	−2	7·2	6·4	2·65	+0·18	0·47	12th	13	0	0	3	2	11	1	0	0	23	6	9	*3*	0	8	4	**18**	5	9	Cambridge.
—	—	—	—	7·8	6·7	1·73	—	0·40	9th	13	0	0	0	2	13	0	—	1	12	14	9	7	2	0	2	15	9	4	Woburn.
—	—	—	—	7·1	6·1	2·36	−0·36	0·35	17th	15	0	0	3	1	11	0	0	0	2	8	*2*	11	1	6	4	13	**13**	4	Bennington.
209	—	42	—	6·7	6·5	3·58	—	1·25	13th	12	0	1	**5**	0	*5*	**2**	0	0	16	1	9	5	**4**	7	10	11	5	**10**	Clacton.
198	—	39	—	6·7	6·1	2·27	−0·23	0·51	16th	14	0	0	4	1	11	0	0	0	0	12	3	5	1	1	5	15	12	8	Berkhamsted.
196	**−14**	**40**	**−2**	**7·2**	**6·3**	**2·95**	**+0·64**	**1·80**		**13**																			
153	—	30	—	6·1	7·2	2·51	—	0·65	16th	13	0	0	1	1	11	0	—	0	0	18	9	6	0	0	3	7	15	4	Garforth.
155	—	31	—	6·6	6·8	3·63	—	0·70	13th	14	0	0	0	3	15	0	0	0	5	10	*1*	5	4	4	0	11	15	12	Huddersfield.
—	—	—	—	6·2	6·6	2·58	−0·18	0·56	16th	12	0	0	0	3	11	0	—	0	5	2	2	**11**	3	4	3	9	**20**	8	Wakefield.
191	—	38	—	6·5	7·4	2·53	−0·01	0·63	8th	15	0	0	**6**	2	13	**5**	0	0	10	17	8	4	0	3	4	13	10	*3*	Belvoir Castle.
194	—	39	—	7·4	—	2·44	−0·11	0·53	9th	12	0	0	3	2	**17**	0	0	0	6	4	2	2	6	2	**8**	8	12	**18**	Coventry.
172	—	34	—	6·2	5·7	3·07	+0·47	0·51	8th	15	0	0	3	1	12	0	0	0	3	0	4	4	**9**	3	2	18	14	8	Nottingham.
159	—	32	—	6·8	6·3	2·22	−0·34	0·75	8th	11	0	0	3	4	13	0	0	0	3	5	**13**	1	3	4	3	12	9	12	Birmingham.
204	+1	41	0	6·3 6·3	5·3 —	2·11 2·14	−0·45 −0·42	}0·39	9th	12	0	0	3	4	10	0	0	0	10	2	8	7	2	1	6	13	15	8	Oxford.
233	—	47	—	6·1	4·0	2·43	−0·24	0·91	8th	12	—	—	—	7	*4*	—	—	—	17	1	*1*	9	4	3	1	9	19	15	Bath.
—	—	—	—	7·1	6·3	2·49	—	0·55	9th	10	0	0	0	2	12	0	0	0	**23**	2	2	1	4	**10**	3	14	*8*	**18**	Shrewsbury.
183	—	37	—	6·6	5·9	3·89	−0·23	0·83	16th	15	0	0	4	4	11	0	0	0	3	12	*1*	0	7	1	1	11	19	10	Buxton.
157	—	31	—	7·3	7·3	2·55	−0·15	0·60	16th	12	0	0	3	0	13	2	0	0	1	10	6	6	2	1	5	13	11	8	Sheffield.
—	—	—	—	7·4	5·5	2·69	—	0·77	9th	11	0	0	2	2	10	0	0	1	8	**19**	7	2	0	5	**6**	8	*8*	7	Stokesay.
221	—	45	—	4·7	4·8	1·83	−0·76	0·61	16th	11	0	0	1	**10**	10	0	0	0	4	5	4	1	1	6	4	**19**	11	11	Cheltenham.
183	**−4**	**37**	**−1**	**6·5**	**6·1**	**2·42**	**+0·01**	**1·02**		**13**																			

TABLE XIII. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. or at 9 a.m. and 9 p.m. Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
			ft.	Ins.	Ins.	Min.	Max.											In.	In.	%	%		
5. ENGLAND, S.E.		Reading	264	29·735	—	52·8	71·3	62·1	—	49	14th, 20th	84	3rd	62·4	60·2	4·3	3·1	·425	·423	76	82	—	—
		Salisbury	186	29·826	—	53·0	72·4	62·7	+0·3	48	20th, 22nd	84	3rd	63·4	59·6	3·7	2·2	·460	·440	79	86	65·3	—
		Dover	231	29·763	+0·09	53·7	66·8	60·3	—	46	22nd	74	28th	59·3	61·0	2·1	3·1	·438	·436	87	82	60·2	55·5
		Brighton	48	29·972	—	55·6	68·1	61·9	-0·6	51	22nd	82	2nd	63·6	—	4·2	—	·448	—	76	—	—	61·0
	§	Eastbourne	36	29·988	—	54·5	66·7	60·6	-1·3	49	22nd	76	1st	63·2	60·8	3·6	1·1	·461	·448	80	85	63·3	59·7
		Portsmouth	18	30·022	—	56·0	70·7	63·4	+1·0	51	20th	83	2nd	64·5	—	5·3	—	·430	—	71	—	66·1	61·6
	¶	Dungeness	21	29·976	+·047	54·8	65·8	60·3	-1·3	48	30th	73	28th	59·9	62·4	2·3	3·1	·443	·460	87	82	—	—
	¶	Hastings	174	29·840	—	55·1	67·3	61·2	-0·2	50	20th	76	1st	62·8	58·4	3·9	2·1	·443	·424	78	87	64·5	59·2
	¶ §	Southampton	84	29·951	—	54·9	71·2	63·1	0·0	50	27th	83	2nd	63·8	60·7	4·7	3·2	·439	·433	75	82	—	—
	¶ §	*Ventnor*	80	29·953	—	55·9	68·2	62·1	+0·1	51	24th	78	1st	63·7	—	5·2	—	·421	—	71	—	—	—
		District Value				**54·0**	**69·3**	**61·2**	**-0·2**	**40**		**86**										**63·4**	**59·4**
LONDON	¶ §	Tottenham	55	29·950	—	54·4	71·1	62·8	-0·5	48	20th	82	3rd	64·2	61·3	4·7	3·2	·448	·443	75	82	—	60·4
		Camden Square	123	29·895	—	54·5	73·7	64·1	-0·3	47	20th	87	3rd	64·0	61·7	4·8	3·2	·437	·447	74	82	63·8	58·7
		Westminster	54	29·941	+·050	56·0	70·9	63·5	-0·4	50	20th	83	3rd	59·6	67·2	3·0	6·8	·417	·434	82	65	—	—
		Greenwich	159	29·844 29·837	— +·038	53·2 —	73·0 —	63·1 62·3	-0·6 -0·4	47	20th	84	3rd	64·2	59·8	5·1	3·0	·431	·421	72	83	—	61·1
		Norwood	235	29·790	—	54·0	71·2	62·6	-0·3	48	20th, 21st	83	3rd	64·3	59·8	4·8	2·9	·441	·422	73	82	62·4	—
	¶ §	Kew	34	29·986 29·979	+·045 +·045	55·1	71·0	63·1 62·7	+0·3 +0·3	50	20th	81	3rd	62·9	61·7	4·8	3·5	·418	·437	73	79	62·7	57·9
		Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶	Laudale	25	29·901	—	50·9	64·2	57·6	+0·1	40	19th	81	1st	59·4	55·7	3·3	1·5	·412	·401	81	90	—	—
	¶	Poltalloch	135	29·790	—	51·0	64·3	57·7	-0·1	42	19th	82	1st	58·9	54·9	3·7	2·3	·387	·367	77	85	—	—
	¶ §	Glasgow	184	29·743	—	52·1	64·7	58·4	+0·4	47	15th	84	2nd	58·6	56·8	4·4	3·0	·369	·379	75	82	—	—
	¶	Rothesay	76	29·864	—	51·5	65·5	58·5	+0·8	45	7, 8, 19th	83	2nd, 3rd	58·7	55·8	3·3	2·1	·395	·387	79	86	—	55·2
	¶	*Colmonell*	140	—	—	48·9	65·2	57·1	-0·2	41	17th	77	1st, 2nd	58·4	—	2·9	—	·402	—	82	—	—	—
6.	¶	Dumfries	60	29·905	—	51·3	68·1	59·7	+0·1	41	8th	91	2nd	61·1	59·3	5·4	4·1	·375	·382	70	75	—	—
	¶	Cally	120	—	—	48·9	65·7	57·3	-0·5	39	29th	83	2nd	60·1	54·7	2·4	2·4	·443	·360	85	85	—	—
ISLE OF MAN	¶ §	Douglas	284	29·685	—	52·0	63·0	57·5	-0·2	45	15th	79	2nd	57·8	55·1	2·8	2·1	·397	·377	83	87	—	—
		District Value				**50·8**	**65·1**	**57·6**	**+0·3**	**39**		**91**											
ENGLAND, N.W.		Southport	42	29·950	—	53·0	66·0	59·5	-0·2	44	8th	81	3rd	61·1	58·1	4·4	2·4	·401	·412	75	84	64·0	60·2
		Manchester (City)	195	29·787	—	54·9	68·0	61·5	—	48	8th	82	1st	61·1	60·6	4·5	3·9	·402	·411	75	78	61·1	57·6
		„ (Whitworth P'k)	127	29·846	—	53·6	68·4	61·0	—	44	8th	81	1st	60·5	59·9	4·4	3·5	·392	·408	75	80	—	—
	¶ §	Aspatria	254	29·694	—	51·1	64·9	58·0	-0·7	45	29th	80	2nd	59·6	55·9	3·8	1·9	·399	·393	78	88	—	—
	¶ §	Newton Rigg	559	29·369	—	49·4	66·1	57·8	-0·1	37	8th	86	2nd	58·9	57·3	4·0	2·8	·378	·388	76	82	60·3	55·5
	¶ §	Stonyhurst	363	29·608	—	51·8	65·7	58·8	-0·3	43	8th	83	2nd	60·5	58·0	4·6	3·4	·391	·386	74	80	—	—
	¶ §	Blackpool	73	29·912	—	52·4	64·8	58·6	-1·3	44	8th	79	3rd	61·0	57·7	3·4	1·8	·427	·423	80	88	—	55·3
7.		Darwen	710	29·210	—	50·2	66·1	58·2	—	43	8th	83	2nd	59·5	56·3	4·1	2·2	·385	·390	75	86	61·4	55·5
	¶	M'nch't'r (Prestwich)	320	29·641	—	51·8	67·9	59·9	+0·4	42	8th	79	2nd	60·2	60·2	3·6	3·4	·410	·415	79	80	—	—
	¶	Liverp'l, Bidston Obs.	197	29·776	—	54·1	65·8	60·0	-0·3	49	8th	79	2nd	60·4	58·4	4·2	3·0	·396	·399	75	81	—	—
NORTH WALES	¶ §	Llandudno	21	29·969	—	54·2	66·7	60·5	0·0	48	29th	79	3rd	61·6	58·9	4·4	3·3	·409	·398	75	80	—	—
	¶	Holyhead	48	29·931	+·067	53·2	62·7	58·0	-0·9	50	19th, 29th	69	1st, 4th	57·5	58·6	1·6	2·3	·425	·422	89	86	—	—
	¶ §	Bettws-y-Coed	100	29·862	—	51·1	67·1	59·1	-1·5	42	29th	85	3rd	62·0	56·6	4·6	2·1	·410	·397	74	86	58·4	53·9
		District Value				**52·3**	**66·0**	**58·7**	**-0·2**	**37**		**86**										**61·0**	**56·3**
SOUTH WALES	¶ §	*Llangammarch Wells*	585	29·387	—	47·7	67·4	57·6	-1·8	38	29th	84	3rd	59·8	—	3·7	—	·400	—	78	—	60·1	54·5
	¶ §	Pembroke	150	29·847	+·066	53·9	62·9	58·4	-0·5	50	29th	76	3rd	56·8	59·6	1·5	3·3	·417	·409	90	80	—	—
		Clifton	229	—	—	56·4	71·4	63·9	+1·3	52	12th	87	3rd	—	—	—	—	—	—	—	—	—	—
8	¶	Portland Bill	23	29·998	+·061	56·6	64·5	60·6	-1·1	55	9, 17, 27th	74	1st, 2nd	59·8	61·8	3·0	3·6	·420	·435	82	79	—	—
	¶ §	Plymouth	116	29·930	—	54·8	67·4	61·1	-0·4	50	26th	79	3rd	63·4	60·1	4·7	3·4	·436	·416	76	81	64·8	—
ENGLAND, S.W.	¶ §	Falmouth	183	29·876 29·872	+·070 +·072	55·1	65·6	60·4 60·2	-0·2 0·0	51	12th	73	2nd	62·1	58·7	3·8	2·5	·435	·417	78	84	—	—
		Woolacombe	79	29·923	—	56·1	66·2	61·2	-0·9	51	13th	81	3rd	62·2	59·5	3·8	2·9	·434	·418	78	82	—	—
		Rousdon	516	29·490	—	52·9	66·4	59·7	—	48	13th	77	2nd	61·1	59·5	3·6	3·0	·424	·415	79	82	62·7	59·8
		Whitchurch	595	29·412	—	52·2	67·5	59·9	—	47	12th	81	4th	62·4	56·5	3·8	1·7	·437	·406	77	89	63·5	—
		District Value				**53·4**	**67·6**	**60·0**	**+0·2**	**38**		**87**										**62·6**	**57·7**
9. IRELAND, N.	¶	Malin Head	230	29·664	+·066	52·4	61·1	56·8	-0·4	50	10, 15, 19th	69	2nd, 3rd	54·6	57·7	0·8	1·6	·404	·428	95	90	—	—
Western Part.	¶	Blacksod Point	41	29·925	+·073	53·1	61·9	57·5	-0·6	45	15th	72	2nd	56·3	58·8	1·7	2·5	·404	·419	89	85	—	—
	¶ §	Markree Castle	127	29·855	—	51·4	65·3	58·3	-0·7	39	21st	79	1st	59·8	55·9	3·7	1·9	·406	·394	78	88	—	—
	¶	Donaghadee	40	29·918	+·085	51·4	62·4	56·9	-0·8	45	15th	72	23rd	55·5	59·1	1·8	3·6	·390	·393	88	78	—	—
Eastern Part.	¶ §	Armagh	202	29·746	—	52·0	66·7	59·4	+1·0	46	7th	81	2nd	60·2	56·3	3·7	3·0	·411	·372	79	82	61·3	57·2
		Belfast	55	29·918	—	52·8	65·3	59·1	—	46	21st	77	2nd	59·8	57·2	4·1	2·7	·394	·392	77	83	—	—
		District Value				**52·1**	**63·5**	**57·3**	**-0·1**	**39**		**81**											
10. IRELAND, S.	§	Dublin (Phœnix P'k)	159	29·817	—	51·0	67·7	59·4	+1·0	43	29th	77	4th	60·7	57·4	3·7	1·9	·421	·418	79	88	—	—
Eastern Part.		„ (Trinity Coll'ge)	17	29·969	—	54·9	67·7	61·3	—	49	15th, 19th	75	30th	62·1	59·6	5·7	3·5	·386	·405	70	80	61·6	57·7
	¶	„ (City)	53	29·930	—	54·6	67·3	61·0	+0·5	49	15th, 19th	75	4th	60·7	59·8	4·1	3·1	·404	·415	76	82	—	—
	¶	*Waterford*	100	—	—	52·2	67·7	60·0	-0·1	43	12th	81	2, 3, 4th	—	—	—	—	—	—	—	—	—	—
	¶ §	Birr Castle	173	29·798	—	52·7	66·9	59·8	+0·7	43	21st	82	~~2nd~~, 4th	60·8	58·7	2·6	1·3	·452	·457	85	92	—	—
	¶	*Killarney*	174	—	—	52·9	68·5	60·7	+1·4	44	21st	86	3rd	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ §	Valencia	62	29·995 29·990	+·054 +·054	54·0	64·5	59·3 59·2	+0·3 +0·3	47	21st	76	2nd	60·2	58·2	2·5	1·9	·441	·427	85	88	—	—
	¶	Roche's Point	42	29·979	+·084	54·1	64·7	59·4	-0·4	48	15th	72	2, 4, 5th	56·8	62·0	1·4	3·6	·420	·439	91	79	—	—
		District Value				**53·2**	**66·9**	**59·7**	**+0·7**														
11. ENGLISH CHANNEL	¶ §	Scilly	20	30·040	+·077	57·3	65·1	61·2	+0·4	53	14th	74	4th	59·2	61·6	2·7	3·9	·420	·423	84	78	—	—
	¶ §	Jersey	36	30·030	+·068	55·9	69·6	62·8	+0·1	48	27th	80	4th	60·7	65·1	2·7	6·0	·443	·420	84	69	—	—
		Guernsey (Brooklyn)	311	29·746	—	55·0	66·7	60·9	-0·5	52	5th, 6th	74	30th	60·7	58·2	2·9	2·2	·438	·419	84	86	63·3	60·0
		District Value				**56·3**	**67·7**	**61·7**	**+0·4**														

For notes see p. lxix.

SUMMARY OF OBSERVATIONS, JULY, 1908.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of JULY, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
219	—	45	—	6·4	5·0	1·71	−0·70	0·60	16th	11	0	0	3	5	10	0	—	0	*3*	**16**	*3*	6	3	0	1	20	✱	*2*	Reading.
—	—	—	—	6·4	6·7	1·71	−0·79	0·62	16th	12	0	0	0	2	12	0	0	0	15	0	*3*	0	0	3	2	13	**16**	**25**	Salisbury.
249	—	51	—	6·3	6·3	3·28	—	0·91	12th	12	0	0	**5**	3	14	0	0	0	6	13	**12**	5	2	2	4	19	*2*	3	Dover.
236	+ 1	48	0	6·7	—	2·38	+0·27	0·76	16th	12	0	0	1	3	12	0	0	0	12	2	8	8	4	8	6	18	4	4	Brighton.
235	− 5	48	− 1	5·2	4·5	2·96	+0·65	1·02	12th	10	0	0	2	**9**	8	0	—	0	9	5	*3*	**9**	3	**9**	0	21	8	4	Eastbourne.
247	—	51	—	5·2	—	1·31	−0·94	0·57	16th	10	0	0	0	**9**	8	0	0	0	4	8	6	2	4	16	10	12	Portsmouth.
—	—	—	—	7·6	7·4	3·02	+1·35	0·89	12th	14	0	0	2	0	**15**	**3**	—	0	**33**	2	8	**9**	**7**	2	4	20	8	*2*	Dungeness.
232	− 8	48	− 1	6·0	5·4	2·59	+0·38	0·65	12th	11	0	0	2	2	*7*	2	—	0	21	3	9	5	6	7	3	15	9	5	Hastings.
222	− 2	45	− 1	7·9	5·1	1·70	−0·88	0·80	16th	8	0	0	0	3	9	0	0	0	12	0	4	**9**	0	6	1	**22**	4	16	Southampton.
238	+17	49	+ 4	5·4	—	1·53	−0·77	0·81	16th	7	0	0	0	5	8	0	—	0	16	2	7	2	4	7	**17**	*12*	8	3	Ventnor.
215	**− 1**	**44**	**0**	**6·3**	**5·8**	**2·56**	**+0·37**	**1·38**		**11**																			
192	—	39	—	7·1	5·0	3·34	—	0·81	16th	11	0	0	3	5	10	0	0	0	3	5	7	6	2	5	1	22	7	7	Tottenham.
162	—	33	—	6·0	—	3·36	+0·79	0·81	16th	12	0	0	1	7	15	0	0	—	—	8	16	4	0	0	6	8	8	12	Camden Square.
173	− 8	35	− 2	6·5	6·8	3·42	+1·04	0·75	16th	14	0	1	2	5	14	0	0	0	10	6	5	7	4	3	3	18	9	7	Westminster.
202	−34	41	− 6	6·7	4·9	3·66	+1·26	1·04	13th	12	0	0	1	6	9	0	0	0	4	4	5	9	4	5	1	13	19	2	Greenwich.
—	—	—	—	5·9	3·9	3·46	+0·93	0·71	16th	13	0	0	2	8	6	0	0	0	2	4	3	12	2	1	0	37	0	3	Norwood.
187	−21	38	− 4	7·4	5·5	2·44	+0·06	0·71	16th	14	0	0	3	1	11	0	0	0	6	10	7	7	0	2	10	18	3	5	Kew.
170	−14	35	− 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row
—	—	—	—	8·3	8·3	5·19	+0·06	1·23	11th	19	0	0	0	2	**23**	0	—	0	19	12	**9**	0	0	0	**25**	*4*	7	5	Laudale.
—	—	—	—	8·0	7·2	5·50	+1·32	0·84	24th	20	0	0	0	3	21	0	—	0	15	9	3	**7**	1	6	11	11	12	2	Poltalloch.
121	−23	23	− 5	8·3	8·0	2·22	−1·13	0·75	8th	11	0	0	1	0	20	0	0	0	*1*	9	2	5	**13**	4	5	8	**15**	*1*	Glasgow.
—	—	—	—	6·9	6·0	3·95	−0·06	0·65	8th	19	0	0	1	**4**	13	1	—	0	9	**14**	3	2	**13**	1	5	*4*	14	6	Rothesay.
—	—	—	—	—	—	2·97	−0·21	0·90	8th	11	0	0	1	—	—	1	—	0	8	0	8	4	6	4	6	12	6	**16**	Colmonell.
—	—	—	—	6·8	5·9	3·03	−0·30	0·60	8th	19	0	0	0	3	*8*	0	0	0	6	0	3	5	10	**18**	4	10	*4*	8	Dumfries.
—	—	—	—	—	—	4·68	+0·95	0·87	8th	14	0	0	0	—	—	0	—	0	3	0	*1*	6	2	8	*3*	**15**	14	13	Cally.
171	−28	34	− 5	7·9	6·3	3·88	+0·71	0·80	24th	13	0	0	**2**	2	15	1	0	0	**31**	1	2	2	6	8	10	12	11	10	Douglas.
146	**−27**	**29**	**− 5**	**7·7**	**7·0**	**3·80**	**+0·19**	**1·23**		**15**																			
199	0	39	− 1	7·4	7·1	3·49	+0·50	0·70	16th	17	0	0	1	0	15	0	0	0	**21**	9	3	0	4	7	**5**	10	13	13	Southport.
131	—	26	—	~~5·8~~	~~4·6~~	4·80	+1·27	1·05	16th	14	0	0	1	—	—	0	0	0	*1*	*2*	4	2	4	8	9	13	15	5	Manchester (City).
147	—	29	—	7·8	6·5	3·89	—	0·81	16th	13	0	0	1	3	16	0	0	0	6	4	6	2	5	4	9	12	11	9	„ (Whitworth P'k).
175	—	34	—	6·5	6·7	3·75	−0·23	0·59	13th	19	0	0	2	2	12	0	0	0	16	8	**9**	**5**	0	1	4	16	13	6	Aspatria.
166	−12	33	− 2	7·0	6·3	2·81	−0·36	0·63	17th	14	0	0	1	2	13	0	0	0	5	21	2	0	3	7	7	10	8	4	Newton Rigg.
182	+ 3	36	0	7·4	6·3	5·62	+1·43	0·91	13th	17	0	0	**4**	**3**	14	0	0	0	2	**29**	3	3	1	0	2	11	10	3	Stonyhurst.
204	+16	40	+ 3	7·3	7·9	4·50	+1·49	1·44	13th	16	0	1	2	1	14	0	0	0	15	3	3	2	5	8	3	10	13	**15**	Blackpool.
155	—	31	—	6·6	7·2	6·01	—	1·09	16th	17	0	0	1	**3**	14	0	0	0	5	*2*	3	1	0	**11**	8	4	25	8	Darwen.
172	+ 8	34	+ 1	8·6	7·4	5·08	+1·49	1·39	16th	17	0	1	**4**	1	**20**	0	0	0	5	3	*1*	1	**8**	1	10	4	33	*1*	Manchester (Prestwich).
189	—	38	—	6·6	6·6	3·69	+0·79	1·12	16th	14	0	0	0	0	9	0	—	0	8	*2*	2	1	3	7	7	11	21	8	Liverpool, Bidston Obs.
202	+17	40	+ 3	5·8	5·3	2·54	−0·02	0·65	9th	12	0	0	0	2	*3*	0	—	0	4	5	4	0	3	1	5	*2*	**34**	8	Llandudno.
—	—	—	—	7·1	6·5	4·35	+1·76	0·79	16th	15	0	0	0	1	17	9	—	1	21	4	8	0	0	1	3	26	7	13	Holyhead.
172	—	34	—	5·8	4·6	3·41	—	0·92	9th	13	0	0	1	**3**	5	0	0	0	5	4	4	3	0	2	0	20	17	12	Bettws-y-Coed.
188	**+ 6**	**37**	**+ 1**	**6·9**	**6·4**	**3·82**	**+0·78**	**1·60**		**15**																			
182	—	37	—	7·0	—	5·34	—	1·55	9th	13	0	0	1	4	**17**	0	2	0	6	10	12	2	0	⊕	4	*4*	12	18	Llangammarch Wells.
220	+14	45	+ 3	6·5	5·7	3·98	+1·43	1·26	9th	15	0	0	2	0	*5*	4	—	0	**29**	0	7	8	1	2	6	12	12	14	Pembroke.
223	—	45	—	—	—	2·54	−0·49	1·37	16th	10	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·3	5·4	1·01	—	0·46	16th	7	0	0	0	1	*5*	4	—	1	28	2	5	5	**5**	2	3	11	**18**	11	Portland Bill.
228	+17	47	+ 4	6·5	6·9	1·98	−0·91	0·57	16th	12	0	0	0	2	10	2	0	0	14	**20**	7	0	1	2	**8**	10	*4*	10	Plymouth.
200	−28	41	− 6	6·3	3·6	2·25	−0·79	0·54	15th	12	0	0	0	**7**	8	0	—	0	11	13	12	2	2	0	4	12	10	7	Falmouth.
233	+30	47	+ 6	5·8	5·0	2·12	−0·76	0·78	16th	11	0	0	1	**7**	8	1	—	0	13	6	*1*	**10**	0	0	2	**18**	11	14	Woolacombe.
242	—	50	—	5·3	5·9	1·49	—	0·75	16th	8	0	0	1	**7**	10	9	0	0	*4*	5	**14**	3	2	3	3	14	7	11	Rousdon.
—	—	—	—	6·5	5·7	3·99	—	0·92	9th	14	0	1	**3**	3	9	**10**	0	1	10	3	8	1	1	**4**	4	12	11	**18**	Whitchurch.
201	**+ 3**	**41**	**+ 1**	**6·3**	**5·5**	**2·87**	**−0·10**	**1·55**		**12**																			
—	—	—	—	8·0	6·9	3·16	+0·27	0·92	9th	17	0	0	0	1	14	**4**	—	1	**25**	0	5	1	**7**	3	6	14	10	**16**	Malin Head.
—	—	—	—	8·2	7·2	3·79	+0·77	0·49	24th	23	0	0	0	0	16	0	—	0	**25**	0	**18**	2	0	1	6	**17**	**12**	6	Blacksod Point.
141	+12	28	+ 2	8·0	8·0	2·47	−1·05	0·42	11th	19	0	0	0	**3**	**24**	1	0	0	7	18	5	3	0	2	**11**	9	3	11	Markree Castle.
—	—	—	—	6·1	6·6	2·39	−0·58	0·48	8th	15	0	0	0	1	*11*	0	—	1	5	9	6	**6**	4	**7**	9	9	5	7	Donaghadee.
155	+12	31	+ 3	8·0	7·6	3·78	+0·59	1·52	13th	13	0	0	2	2	21	0	0	0	2	**38**	*2*	0	0	2	7	12	*1*	0	Armagh.
—	—	—	—	—	—	2·87	−0·26	0·83	13th	18	0	0	0	—	—	0	—	0	0	20	8	3	2	0	*5*	*7*	8	9	Belfast.
148	**+ 9**	**29**	**+ 2**	**7·7**	**7·3**	**3·12**	**−0·17**	**1·52**		**17**																			
182	+13	36	+ 3	7·3	7·1	2·24	−0·60	0·52	8th	14	0	0	2	3	16	0	0	0	*1*	**23**	0	*1*	2	1	3	**17**	9	*6*	Dublin (Phœnix Park).
174	—	35	—	7·5	7·4	2·02	—	0·53	7th	11	0	0	2	*2*	15	0	0	0	5	10	6	*1*	3	1	4	*4*	**20**	13	„ (Trinity College)
—	—	—	—	6·4	6·1	2·08	−0·60	0·52	7th	13	0	0	**3**	4	10	1	0	0	10	0	5	**4**	**5**	**4**	2	12	13	**17**	„ (City)
—	—	—	—	—	—	3·50	+0·29	0·93	7th	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
157	+18	31	+ 3	7·6	7·9	2·56	−0·46	0·46	12th	17	0	0	*1*	*2*	**18**	1	—	0	9	4	3	*1*	0	0	7	16	18	13	Birr Castle.
—	—	—	—	—	—	3·56	+0·22	0·61	15th	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
195	+42	39	+ 8	7·1	8·2	3·80	−0·08	0·73	15th	19	0	0	*1*	*2*	17	0	—	0	17	11	6	3	0	0	**12**	12	7	11	Valencia.
—	—	—	—	6·3	6·1	2·93	−0·13	0·72	9th	13	0	0	2	3	*12*	**8**	—	0	**19**	1	**21**	2	2	3	7	8	8	10	Roche's Point.
186	**+29**	**37**	**+ 5**	**7·0**	**7·1**	**2·92**	**−0·18**			**17**																			
240	+22	49	+ 4	7·1	6·1	1·77	−0·61	0·32	16th	15	0	0	0	0	9	**4**	—	0	21	0	**13**	*2*	3	0	3	12	*12*	**17**	Scilly.
244	− 6	51	− 1	6·9	5·4	0·84	−1·46	0·44	16th	10	0	0	2	3	**11**	3	—	2	**24**	0	4	6	**4**	**5**	*2*	*8*	**21**	*12*	Jersey.
240	−26	50	− 5	6·0	4·2	1·54	−0·81	0·50	16th	9	0	0	2	**4**	*5*	3	0	0	*19*	8	*2*	**7**	0	1	**4**	**14**	13	13	Guernsey (Brooklyn).
243	**− 2**	**50**	**− 1**	**6·7**	**5·2**	**1·39**	**−0·94**			**11**																			

The sunshine entered to Portsmouth is registered at Southsea.

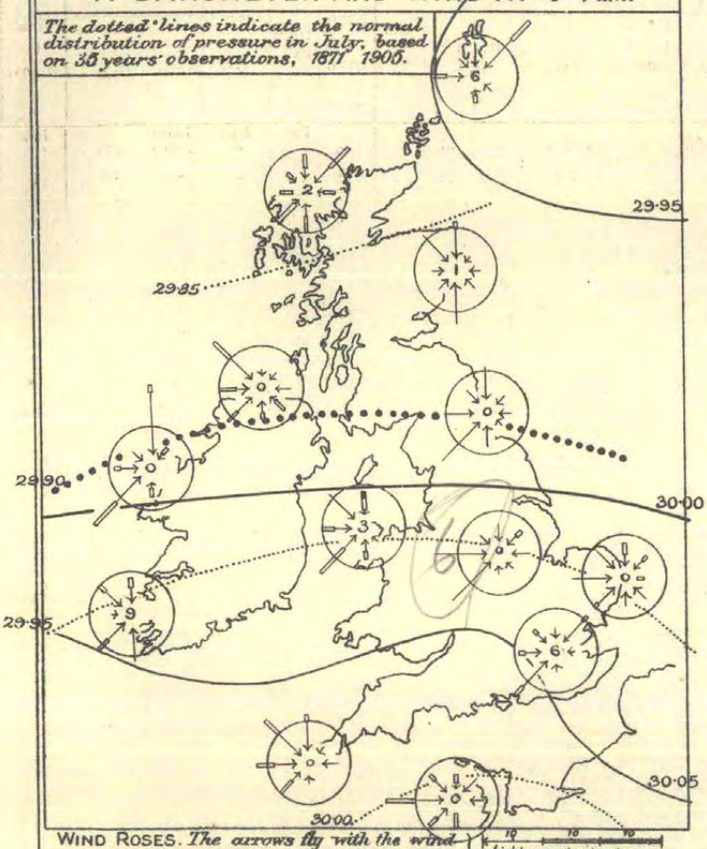
TABLE XIV.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, JULY, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
				Ft.	°	°	°	°	°		°		—	—	—	19	Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.		Balta Sound	S	31	49·3	57·1	53·2	—	46	1st, 16th	66	1st, 22nd	—	—	—		1·83	—	0·64	25th	103	—	19	—
1. SCOTLAND, E.	§	Crathes	S	140	48·4	63·6	57·0	—	35	6th	81	2nd	58·3	54·2	1	16	2·00	—	0·77	17th	143	—	27	—
	§	Balruddery	S	276	48·6	65·8	57·2	—	39	19th	81	2nd	—	—	—	13	2·26	—	0·42	17th	141	—	27	—
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	148	+ 4	29	+ 1
	¶	West Linton	S	800	47·2	62·8	55·0	− 2·3	39	6th	78	2nd	—	—	0	15	3·15	—	0·83	8th	119	—	23	—
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	50·6	66·5	58·6	+ 0·5	44	1, 15, 21	80	2nd, 22nd	—	—	—	13	2·26	−0·55	0·73	17th	—	—	—	—
		Newcastle-on-Tyne	—	152	53·6	66·4	60·0	—	48	29th	81	22nd	—	—	—	13	2·98	+0·03	0·80	8th	119	− 27	23	− 6
		Ampleforth	—	349	51·4	67·7	59·6	—	44	8th	82	2nd	—	—	—	14	2·35	—	0·61	8th	—	—	—	—
		Tealby	—	251	52·9	67·0	60·0	− 0.4	44	8th	78	30th	—	—	—	14	3·19	+0·59	0·68	16th	—	—	—	—
	¶	Fulbeck	—	180	51·9	70·0	61·0	0·0	43	8th	85	2nd	—	—	—	12	2·71	+0·28	0·72	14th	—	—	—	—
	§	Rauceby	—	124	51·8	70·2	61·0	—	44	8th	80	30th	—	—	0	15	2·75	+0·18	0·61	8th	188	—	38	—
3. ENGLAND, E.		Felixstowe	—	10	54·5	67·0	60·8	− 1·2	46	8th	74	11th	—	—	—	10	3·95	—	1·27	13th	231	—	47	—
	¶ §	Rothamsted	—	424	51·6	69·4	60·5	− 0·6	47	8, 20, 21	80	3rd	—	—	—	15	2·22	−0·41	0·45	16th	205	− 10	42	− 2
		Shoeburyness	—	13	54·9	69·2	62·1	− 1·2	49	20th, 21st	80	30th	—	—	—	12	2·66	+0·85	0·98	12th	—	—	—	—
		Southend-on-Sea	—	100	55·4	69·9	62·7	—	49	20th	79	30th	65·1	—	0	11	2·96	+0·84	1·20	12th	215	—	44	—
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	50·6	66·8	58·7	− 0·1	42	8th	81	2nd	57·6	55·1	0	15	2·69	−0·07	0·62	16th	167	—	33	—
		Bradford	—	330	52·0	66·1	59·1	—	43	8th	82	2nd	61·7	56·0	0	13	3·35	—	1·02	16th	196	—	39	—
	¶	Cheadle	M	646	51·7	66·9	59·3	+ 0·4	44	8th	80	2nd	—	—	0	14	2·81	−0·26	0·67	8th	—	—	—	—
	¶	Bawtry	—	65	51·9	69·7	60·8	− 0·2	41	8th	84	2nd	—	—	—	13	2·81	+0·25	0·53	17th	—	—	—	—
	§	Worksop	M	56	51·4	69·7	60·6	− 0·3	40	8th	83	2nd	60·2	56·4	—	13	2·44	−0·02	0·64	8th	150	− 16	30	− 3
		Kingston-on-Soar	—	125	50·9	70·0	60·5	—	38	8th	80	2nd	60·3	—	—	11	2·60	—	0·54	12th	—	—	—	—
		Rugby	—	379	51·5	70·2	60·9	+ 0·2	46	29th	84	3rd	—	—	0	12	2·44	—	0·57	16th	—	—	—	—
	¶	Raunds	M	210	51·9	71·7	61·8	− 0·1	42	8th	83	30th	—	—	—	15	2·54	—	0·50	9th	—	—	—	—
		Winslow	—	379	52·4	71·1	61·8	—	48	8th	82	30th	—	—	—	13	2·24	—	0·48	14th	—	—	—	—
	¶	Hereford	M	291	51·1	71·0	61·1	− 0·1	42	29th	84	3rd	—	—	0	13	1·54	−0·84	0·77	9th	—	—	—	—
	¶ §	Cirencester	—	446	51·6	70·6	60·8	+ 0·5	44	12th	83	3rd	—	—	0	13	1·95	−0·90	0·76	16th	193	− 6	39	− 1
		Epsom	—	160	53·2	72·7	63·0	—	46	20th	86	3rd	—	—	0	12	2·89	—	0·68	16th	—	—	—	—
		Wokingham	—	216	49·6	71·3	60·5	—	40	20th	83	3rd	—	—	—	12	1·68	—	0·70	16th	—	—	—	—
		Maidenhead	—	99	53·0	—	—	—	46	22nd	—	—	—	—	?0	11	2·01	−0·54	0·72	16th	—	—	—	—
	¶ §	Marlborough	—	424	50·2	70·0	60·1	− 0·1	43	20th	85	3rd	—	—	0	11	2·80	+0·10	0·88	16th	196	+ 6	40	+ 1
		Bucklebury	—	409	52·8	70·1	61·5	—	49	20th, 30th	82	3rd	—	—	0	8	1·81	—	0·60	16th	—	—	—	—
	¶	Swarraton	M	310	51·4	69·9	60·7	+ 0·4	41	27th	82	3rd	—	—	—	11	2·52	−0·05	0·71	16th	—	—	—	—
	¶ §	Margate	—	35	56·2	68·5	62·4	0·0	51	15th	82	25th	61·4	57·9	0	11	3·40	+1·42	0·97	12th	228	+ 21	46	+ 4
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	11	3·51	—	1·38	12th	247	—	50	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	249	—	51	—
5. ENGLAND, S.E.	¶ §	Wisley	—	150	53·2	71·2	62·2	− 1·3	47	30th	83	3rd	62·8	59·3	0	11	1·85	—	0·59	16th	202	—	41	—
	¶ §	Tunbridge Wells	M	421	52·7	69·8	61·3	− 0·1	47	20th	80	3rd	63·6	—	—	14	3·75	+1·35	1·25	12th	208	− 3	42	− 1
		Folkestone	—	121	53·7	66·7	60·2	—	46	22nd	73	28th	—	55·6	—	12	2·56	+0·38	0·54	16th	244	—	50	—
	§	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	217	—	44	—
		Bexhill	—	27	56·0	67·0	61·5	—	49	20th	77	28th	63·9	—	0	9	3·42	—	0·90	12th	230	—	47	—
		Lewes	—	58	53·1	68·0	60·6	—	46	30th	78	3rd	—	—	—	18	3·07	—	0·97	16th	—	—	—	—
	§	Worthing	—	36	54·8	68·0	61·4	− 0·1	50	20th, 21st	79	2nd	63·8	59·0	0	11	2·38	+0·31	0·82	16th	240	—	49	—
		Bognor	—	20	54·6	67·5	61·1	—	48	27th	79	1st	—	57·9	0	11	2·15	—	0·60	16th	236	—	48	—
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	230	—	47	—
		Totland Bay	—	150	55·1	68·2	61·7	+ 1·0	51	12th	81	2nd	—	—	—	8	1·55	−0·82	0·68	16th	254	—	52	—
		Bournemouth	—	145	53·6	70·3	62·0	—	49	27th	82	30th	62·7	60·9	—	10	1·73	—	0·54	16th	247	—	51	—
		Weymouth	—	21	55·1	69·6	62·4	—	51	22nd	81	2nd	—	—	—	8	1·09	—	0·46	16th	236	—	48	—
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	48·9	64·3	56·6	—	39	8th	82	2nd	—	—	0	16	2·51	—	0·82	8th	137	—	27	—
	¶	Kilmarnock	—	90	50·6	65·2	57·9	− 0·8	41	8th	81	1st	—	—	—	12	2·81	—	0·86	8th	149	—	29	—
7. ENGLAND, N.W.		Carnforth	—	174	52·0	65·6	58·8	—	43	8th	82	1st	—	—	0	17	3·40	—	0·61	16th	163	—	32	—
		Burnley	—	710	50·6	65·9	58·3	—	40	8th	84	2nd	59·8	55·1	0	14	4·32	—	0·91	16th	172	—	34	—
	§	Hoylake	—	459	54·2	66·0	60·1	—	47	8th	80	2nd	—	—	0	12	3·43	—	1·10	16th	200	—	40	—
		Rhyl	—	30	52·6	66·3	59·5	—	45	29th	79	1st	—	—	—	10	2·54	+0·14	0·64	9th	206	—	41	—
		Colwyn Bay	—	65	55·0	66·5	60·8	—	51	8th, 13th	80	1st	—	—	—	10	2·14	—	0·54	11th	201	—	40	—
	¶	Hawarden Bridge	—	22	53·5	68·1	60·8	− 0·1	?45	13th	81	2nd, 3rd	—	—	—	13	2·45	+0·01	0·65	16th	—	—	—	—
		Towyn	—	10				—										—				—		—
	§	Aberdovey	—	22	56·1	66·2	61·2	—	50	21st	83	2nd	—	—	—	15	4·66	—	1·60	9th	203	—	41	—
8. ENGLAND, S.W.	§	Aberystwyth	—	59	56·9	64·3	60·6	—	50	12th, 13th	79	1st	—	—	—	—	—	—	—	—	170	—	34	—
		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	206	—	42	—
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	224	+ 15	45	+ 3
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	204	—	41	—
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	9	1·90	—	0·70	16th	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	9	2·12	—	0·67	16th	—	—	—	—
	¶	Cardiff	—	50	53·0	68·8	60·9	− 0·5	44	7th	83	3rd	63·1	58·7	0	14	3·53	+0·07	1·21	16th	232	—	47	—
		Swansea	—	24	55·4	69·6	62·5	—	49	13th	83	3rd	—	—	0	14	5·12	—	1·46	16th	—	—	—	—
	¶	Shaftesbury	M	722	53·0	68·5	60·8	+ 0·6	49	12th, 14th	80	3rd	62·7	—	—	11	2·09	−0·75	0·93	16th	—	—	—	—
	¶	Arlington	—	613	51·6	67·0	59·3	− 0·1	44	13th	83	3rd	—	—	—	16	4·66	+0·51	2·02	16th	—	—	—	—
	¶ §	Cullompton	M	202	52·0	72·2	62·1	+ 0·4	45	13th	85	3rd	—	—	0	9	1·33	−1·69	0·68	16th	199	+ 11	41	+ 2
		Torquay	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	225	+ 2	46	0
	§	Newquay	—	100	55·9	64·4	60·2	+ 0·1	50	21st	74	2nd, 3rd	61·1	—	—	12	1·88	−0·70	0·48	16th	210	− 4	43	− 1
		Salcombe	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	239	—	49	—
		Penzance	—	54	55·7	67·6	61·7	—	51	12th, 26th	77	2nd	—	—	—	12	2·43	—	0·42	15th	232	—	48	—

MONTHLY WEATHER CHARTS, JULY, 1908.

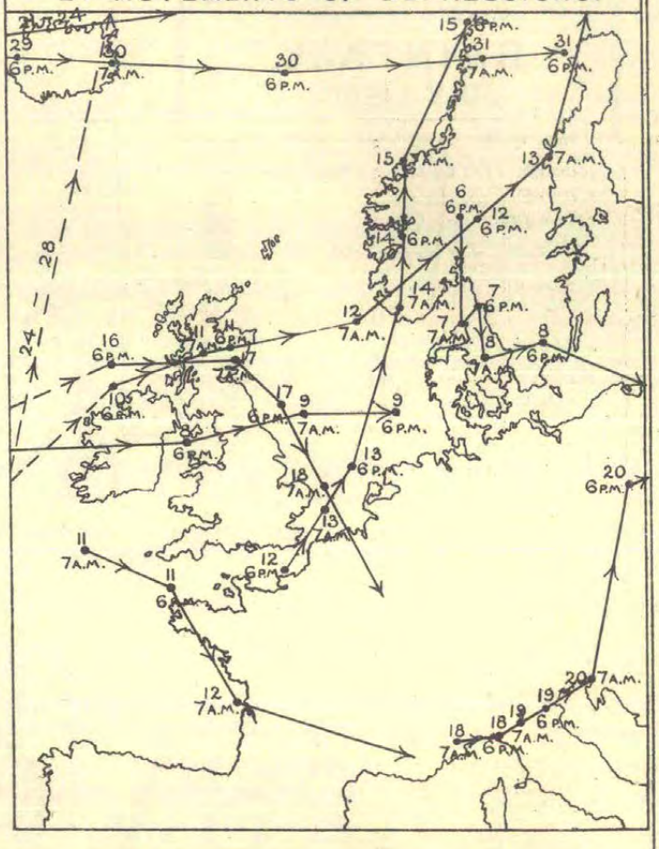
1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in July, based on 35 years' observations, 1871 1905.



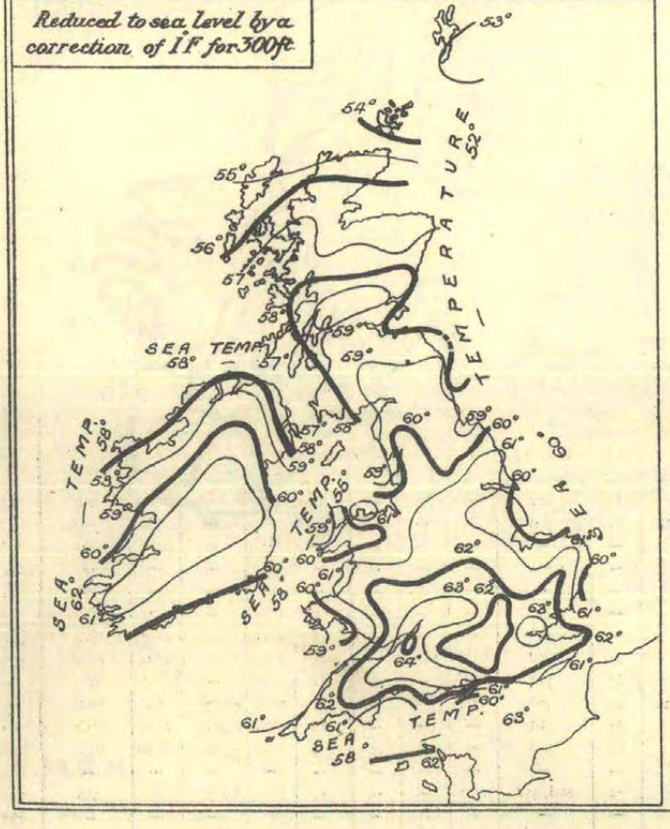
WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light 10 moderate 10 strong 10 — 30 Obs. = 1 Inch

2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300ft.



4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 100, 130, 170, 200 and 230 hrs.

Wyman & Sons, Ltd., Lith., London & Reading.

Scale 1 : 5,000,000.

TABLE XIV (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, JULY, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dublin (Glasnevin) - -	67	52·1	67·3	59·7	+ 0·5	43	29th	77	2nd	—	—	0	14	2·23	−0·52	0.51	8th	—	—	—	—
	Kingstown - - -	—	54·1	66·4	60·3	—	48	29th	74	30th	—	—	—	13	2·12	—	0·39	7th	175	—	35	—
	Clongowes Wood College -	237	50·4	67·5	59·0	—	41	15th	80	4th	—	—	—	13	2·87	—	0·81	7th	187	—	37	—
10. IRELAND, S.	¶ Kilkenny - - - -	212	52·3	68·3	60·3	+ 0·6	43	29th	83	3rd	—	—	—	15	2·72	+0·02	0·75	24th	—	—	—	—
	¶ Cahir - - - 𝔐	199	52·3	68·2	60·3	+ 0·7	44	29th	84	3rd	—	—	—	16	2·52	—	0·53	24th	—	—	—	—
	¶ Foynes - - - -	108	53·6	66·3	60·0	+ 1·5	48	12, 15, 29th	81	3rd	—	—	—	19	2·64	−0·40	0·50	15th	—	—	—	—
	§ Ballinacurra - - -	34	51·8	67·6	59·7	—	45	29th	82	4th	—	—	—	12	2·53	—	0·68	9th	210	—	43	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) -	180	55·6	68·3	62·0	+ 0·6	52	27th	75	4th	—	—	—	8	1·55	−0·80	0·46	1st, 16th	246	10−	51	−2

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for **latitude** has not been applied. The values are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "**day**" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ..." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked $ is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street, London, S.W. August 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C., AND 32, ABINGDON STREET, WESTMINSTER, S.W.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. VIII. AUGUST, 1908. [*Price 6d.* *Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—In August the mean pressure was highest, 30·1 ins. and upwards, on the Bay of Biscay and out towards the Azores, and lowest, below 29·85 ins., over a very large area extending across southern Iceland eastward to Scandinavia and northern Russia. At all stations in the British Isles the results were above the normal, the excess being greatest, about 0·1 in., on the western and north-western coasts, and least, less than 0·05 in., in the east and south-east. The gradient, consequently, instead of being for South-Westerly to Westerly winds, was more in favour of a North-Westerly current, and there was a great prevalence of winds from this quarter, especially during the first three weeks. Compared with July there was an appreciable increase in the range of pressure, which exceeded an inch nearly everywhere; at Sumburgh Head it was more than 1·5 in. This indicated a gradual lapse into a more disturbed period of the year; as the month was drawing towards its close strong or high winds became rather frequent, and in several instances gales were experienced.

Broadly speaking the month was made up of two well-marked types of weather. (1) The high pressure system which arrived from the Atlantic shortly after the middle of July, and brought with it the fine weather of the remainder of that month, was maintained, with varying degrees of intensity, until August 20th, its central space sometimes over the British Isles, at others shifting about off the western and south-western coasts during the first half of the month, afterwards lying to the northward, between Norway and Iceland. Nearly throughout this period there was an area of low pressure over eastern Europe, mainly over northern Russia. The United Kingdom thus occupied a position between the high and low pressure systems, and received a great preponderance of winds from between West and North. On the 10th, during the passage of a depression from the neighbourhood of the Faröe to southern Norway, Denmark and Russia, a high South-Westerly wind was felt locally on our north-western coasts, but otherwise the country had little else than light to moderate breezes. But while the period was quiet enough, and the weather generally was fair with more bright sunshine than usual in nearly all localities, there was an almost entire absence of high day temperatures. Maximum shade readings of 80° and upwards occurred at a number of stations on the 3rd, when 83° was registered at Epsom and Greenwich, 84° at Cullompton and Raunds, and 88° at Maidenhead. Again, on the 7th, Southampton had 80°, Weymouth 81°, and Maidenhead 82°. As a general rule, however, the afternoon values were below rather than above 70°. The nights were usually mild, the minimum shade values being only rarely below 50°, but at some of the more exposed stations there were a few records below 40°, the lowest, 34° at Balmoral on the 6th, at Wick, Nairn, Newton Rigg and Wokingham on the 12th, and at Marlborough and Wokingham on the 17th; 31° at Wick and Gordon Castle on the 13th; and 30° at Balmoral on the 12th and 13th.

The most striking feature of this fine spell was the persistent absence of rain over an extensive portion of the Kingdom. The longest drought of the year, thus far, commenced on July 17th and 18th, when anticyclonic conditions were becoming established. Thenceforward, through a period of about five weeks, down to about August 19th, there was in most neighbourhoods either no rain at all or only a few trifling showers, although at Gruline, Mull, there was a fall of 1·1 in. on the 10th. In very numerous instances there was not a measurable quantity of rain on 20 or more consecutive days, none being registered at Parkstone, Dorset, during the 30 days, July 21st to August 19th; at Southampton, Weymouth, Totland Bay, Portland Bill and Guernsey during the 32 days, July 18th to August 18th; at Tonbridge during the 33 days, July 19th to August 20th: and in the Forest of Dean during the 34 days, July 17th to August 19th. Many places had less than a quarter of an inch of rain in 30 days.

(2) The break-up of this long spell of dry anticyclonic weather was associated with a cyclonic system which appears to have taken definite form over Madrid on the evening of the 17th, remained over the northern half of the Peninsula during the next two days, and on the morning of the 19th it moved across the Bay of Biscay to a position off the mouth of the English Channel, the anticyclone at the same time diminishing in intensity and dispersing over Scotland by night. The pressure distribution now assumed a very unsettled type, the barometer being highest over the Spanish Peninsula and apparently to the northward and westward of Iceland. Down to the close of the month our weather was continuously under the influence of cyclonic systems, so that it was as unsettled, wet and windy as the preceding period had been fine, dry and quiet. During the 21st the depression which had come up from Spain remained over the Bristol Channel, then crossed to the Isle of Wight next morning, and in the course of the day it disappeared over the lower part of the North Sea. A high Easterly wind at Portland Bill was the strongest breeze reported, but thunderstorms occurred in many parts of England, and the sudden break in the weather on the 20th was marked by heavy rain, exceeding an inch in various parts of Ireland and western England, 2·1 ins. at Kingstown, and 2·2 ins. at Bray. A disturbance which had been indicated between Iceland and Greenland on the 19th worked round the north of Iceland to the Faröe by the morning of the 21st, afterwards crossing Scandinavia to Russia. It did not bring a great deal of wind, but there were a few thunderstorms over eastern England on the 22nd, and falls of more than an inch of rain locally in England and Ireland, 1·5 in. at Doneraile, Cork. On the 23rd a new depression appeared beyond Ireland, and moving slowly on about an east-north-easterly path it crossed Scotland, and on nearing the south coast of Norway on the evening of the 26th it dispersed. Its advance was marked by a decided increase in the force of the South-Westerly wind, the strength of a gale being attained at Holyhead, Clacton-on-Sea and in London. There were several heavy falls of rain on the 24th and 26th, up to 1·7 in. at Towyn, and 1·8 in. at Poltalloch on the latter date. With the collapse of this system another was found approaching Scotland from the westward, and it proved to be the deepest of the month. At 7 a.m. on the 27th the pressure minimum, 28·76 ins., was over Shetland, the disturbance remaining between the Faröe and the Norwegian coast until the close of the month. On the 27th, 28th and 29th strong to high South-Westerly winds were experienced extensively, a gale in various sections of our coasts, a strong gale at Malin Head and Portland Bill. Thunderstorms occurred daily from the 27th to the 30th in numerous localities, with hail in many places, but only on the 27th were there a few rainfalls of more than an inch, 1·7 in. at Southampton.

Another great cyclonic disturbance struck the Irish coast on the 31st, moving on a due easterly course, the barometer falling below 29 ins. in northern Ireland. A gale from between South-East and South-West was felt over the southern and western districts, a strong gale at Pembroke, Scilly and Yarmouth, and a whole gale at Portland Bill. There were some local thunderstorms, and several heavy rainfalls, ranging up to 1·8 in. at Dursley, Gloucestershire, and 2·3 ins. at Abersychan, Mon.

This disturbed spell had cool days throughout, afternoon maxima below 60° not being uncommon, but generally the nights were fairly mild, with hardly any minima as low as 40°.

Fog was reported at many points on the western coasts on the first four days of the month, but with this exception there was a marked decrease in the frequency along our shores, the south coast of England being almost entirely free.

The temperature of the surface water of the sea on our coasts showed, compared with July, a slight increase in most localities, but up the west of Ireland and of Scotland it was already beginning to cool. Towards the close of the summer the temperature of the sea usually comes into fairly close agreement with that of the air on shore; round the north-east coasts of England the water last month was a trifle cooler, but in nearly all other localities it was slightly warmer than the air at neighbouring coast stations.

Rainfall was deficient in most parts of Ireland and North Britain, some places in the east of Scotland and the north-east of England receiving less than half the normal amount. At a few stations on our extreme north-west coasts—*i.e.*, in the west of Scotland and the north-west of Ireland—there was, however, a slight excess, while in the south and east of England there was a more general and decided excess. Amounts exceeding 5 ins. were recorded last month at several western stations, and as much as 6·3 ins. at Cardiff, 6·5 ins. at Poltalloch and 6·7 ins. at Fort William. In the north-east of Great Britain the total fall was in many cases less than an inch and a half, and at Leith and North Shields it was less than an inch and a quarter. The number of days with rain varied considerably in different localities. Many places in the west and north reported from 17 to 20 such occasions, Malin Head as many as 22, and Wick as many as 26; at Crieff there were, on the other hand, only 10, and at Balmoral only 9. In the south of England a number of stations had only 12 or 13 days with a measurable quantity, Portland Bill only 10, and Weymouth only 9.

Bright Sunshine.—The total duration of bright sunshine was, as a rule in excess of the average, but at a few northern stations a trifling deficiency was reported. On some parts of our south and south-west coasts the excess was large, Ventnor recording an aggregate duration of 253 hours, as against an average of 207, and Woolacombe a total of 242 hours as against an average of 184. In the south of England most places registered more than half the possible amount, the highest percentage values being 59 at Southsea and Weymouth, and 58 at Bournemouth and Guernsey. At Deerness only 23 per cent. of the possible amount was recorded, and at Balta Sound only 19 per cent.

525. 9/08. Wy. & S. 7358*r*.

TABLE XV.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	At 4 feet depth
			ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.	¶	Sumburgh Head –	126	29·671	+ ·021	47·6	56·0	51·8	−1·2	42	12th	60	2nd	50·9	52·2	1·4	1·7	·338	·345	91	89	—	—
Islands.	§	Deerness – – –	163	29·673	—	48·1	56·5	52·3	−1·7	43	11th, 12th	65	2nd	53·3	51·0	2·3	1·3	·348	·342	86	91	—	—
	¶ §	Stornoway – –	52	29·830	+ ·091	48·5	59·2	53·9	−0·7	36	12th	68	2nd	52·4	55·2	1·8	2·7	·346	·360	88	83	—	—
		Castlebay – – –	38	29·832	+ ·084	50·7	58·3	54·5	−2·4	47	11, 12, 23rd	66	16th	53·5	55·8	2·0	2·6	·354	·373	87	83	—	—
Mainland.	¶	Wick – – –	80	29·763	+ ·047	45·3	59·7	52·5	−2·4	31	13th	70	2nd	51·5	53·0	2·0	2·2	·329	·342	87	85	—	—
	¶	Lairg – – §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Strathpeffer – –	210	29·658	—	49·0	63·8	56·4	+1·4	39	12th	76	6th	56·9	53·9	3·8	2·8	·355	·338	77	82	—	—
	¶	Glencarron – §	504	29·342	—	47·6	60·6	54·1	−0·8	38	12th, 23rd	69	6th, 16th	53·8	52·5	3·0	2·6	·332	·327	80	82	—	—
	¶ §	Fort Augustus §	73	29·819	—	48·9	[illegible]61·3	55·1	−1·8	37	12th	?	?	55·3	55·2	2·7	2·3	·362	·370	83	85	—	—
	¶	Fort William – §	38	29·865	—	48·6	63·3	56·0	−1·3	38	12th	71	16th	55·6	54·2	3·1	2·4	·357	·353	80	84	—	—
		Dunrobin Castle §	16	29·851	—	48·8	60·8	54·8	−1·0	39	14th	75	2nd	55·8	53·3	3·9	2·7	·341	·339	76	82	58·7	—
		District Value –				**47·8**	**60·0**	**53·5**	**−1·0**	**31**		**76**											
1. SCOTLAND, E.	¶ §	Nairn – – –	82	29·776	+ ·061	46·9	62·8	54·9	−1·8	34	12th	77	6th	51·6	58·3	2·0	4·8	·330	·351	86	72	—	—
	¶	Gordon Castle §	107	29·756	—	46·5	62·5	54·5	−2·2	31	13th	75	2nd	56·5	53·3	4·0	2·6	·346	·336	75	82	—	—
	¶ §	Aberdeen – –	90	29·791 29·788	+ ·041 + ·043	48·7	60·4	54·6 54·3	−1·9 −1·3	37	13th	69	2nd	56·0	52·9	4·1	2·5	·338	·333	75	84	—	54·1
		Tillypronie – §	1120	28·692	—	44·3	62·3	53·3	−0·5	35	12th	75	2nd	54·6	49·2	4·2	2·0	·320	·309	75	87	—	—
	¶	*Balmoral* – §	927	—	—	41·5	61·6	51·6	−2·2	30	12th, 13th	76	2nd	55·3	—	—	—	—	—	—	—	—	—
		Dundee – – §	164	29·720	—	48·3	65·4	56·9	−0·7	38	13th	81	2nd	58·1	53·9	3·7	2·0	·379	·365	78	87	—	—
	¶	Crieff – – §	436	29·429	—	47·7	66·1	56·9	−0·6	38	12th	79	2nd	57·0	54·0	4·3	2·9	·344	·337	74	81	—	—
	¶	Leith – – –	37	29·858	+ ·065	51·1	63·5	57·3	−1·4	44	14th	76	2nd	54·2	59·6	2·7	5·2	·345	·358	82	70	—	—
	¶ §	Marchmont – §	500	29·370	—	47·4	62·1	54·8	−1·5	40	11, 23, 30, 31	75	2nd	56·6	52·8	3·9	2·6	·350	·330	76	82	57·7	—
		District Value –				**47·0**	**62·5**	**54·4**	**−1·4**	**30**		**81**											
2. ENGLAND, N.E.	§	Cockle P'rk (Morpeth)	331	29·559	—	48·1	62·1	55·1	—	40	12th	75	3rd	56·8	53·5	4·0	2·0	·353	·359	77	88	57·5	56·4
	¶	Shields – – –	117	29·789	+ ·058	50·2	63·5	56·9	−0·9	42	12th	75	3rd	54·7	59·8	2·6	5·0	·355	·367	83	71	—	—
		Seaham – – –	138	29·774	—	50·2	62·6	56·4	−1·6	42	15th	75	3rd	58·0	53·9	3·9	1·7	·375	·371	77	88	—	—
Northern Part.	¶ §	Durham – – –	352	29·543	—	48·6	63·3	56·0	−2·3	40	12th	77	3rd	58·3	54·0	3·8	2·1	·373	·363	78	87	—	—
		Whitby – – –	145	29·765	—	49·7	68·3	59·0	+0·6	40	16th	80	3rd	60·1	55·6	4·3	2·2	·391	·382	76	86	—	—
	¶	Rounton – – M	245	29·666	—	47·9	63·3	55·6	−2·0	38	12th	77	3rd	56·7	53·1	3·4	1·7	·362	·357	79	88	59·0	—
	¶ §	Scarborough – M	100	29·786	—	51·7	64·6	58·2	−0·5	45	12th, 30th	77	3rd	59·7	56·4	4·5	3·3	·377	·362	73	80	—	59·4*
	¶ §	York – – –	53	29·898	—	50·0	65·9	58·0	−1·7	40	12th	78	3rd	59·0	55·9	3·8	2·5	·385	·377	77	84	58·7	56·8
		Hull – – –	2	29·931	—	50·1	66·6	58·4	−1·2	41	11th, 12th	80	3rd	60·3	55·8	3·6	2·2	·411	·384	79	86	59·2	56·4
Southern Part.	¶	Spurn Head – –	28	29·909	+ ·046	53·5	64·1	58·8	−1·1	48	12th	74	3rd	56·1	59·7	2·3	3·7	·385	·399	85	78	—	—
	§	Skegness – –	16	29·935	+ ·046	51·0	64·7	57·9	—	40	12th	81	3rd	55·6	60·6	2·0	4·1	·386	·392	87	76	—	—
	¶	Lincoln – – –	42	—	—	49·7	66·9	58·3	−2·2	40	16th	81	3rd	59·9	56·3	4·0	3·2	·398	·367	77	80	60·2	57·7
		District Value –				**50·0**	**64·5**	**56·9**	**−0·9**	**38**		**81**										**58·9**	**56·8**
3. ENGLAND, E.	¶ §	Cromer – – –	139	29·809	—	52·4	65·6	59·0	—	45	31st	81	3rd	59·3	56·2	3·4	2·1	·401	·391	79	87	—	—
	¶ §	Hillington – M	92	29·865	—	48·9	66·6	57·8	−2·7	39	12th	81	3rd	59·4	55·3	3·7	1·7	·394	·388	78	89	—	—
	¶	Norwich – – –	93	—	—	51·0	67·0	59·0	—	43	16th	81	3rd	—	—	—	—	—	—	—	—	—	—
Northern Part.	¶ §	Yarmouth – –	21	29·917	+ ·041	52·9	66·1	59·5	−1·0	45	12th	80	3rd	56·8	61·6	2·4	4·9	·391	·395	84	73	64·4	62·1
		Lowestoft – M	75	29·882	—	51·2	65·1	58·2	−2·4	43	12th	75	4th	60·8	56·0	4·4	2·3	·391	·381	73	85	62·7	60·4
	¶ §	Geldeston – –	47	29·921	—	50·7	67·8	59·3	−1·3	42	12th	82	3rd	61·2	56·2	4·4	1·5	·403	·408	75	90	—	—
	¶ §	Cambridge – –	43	29·934	—	49·9	67·8	58·9	−2·6	39	12th	81	3rd	59·9	56·3	4·0	2·5	·397	·385	77	81	61·4	60·2
		Woburn – –	294	29·698	—	49·1	67·6	58·4	—	36	17th	81	3rd	59·5	56·3	4·5	2·8	·378	·377	75	83	—	—
		Bennington – M	411	29·585	—	50·0	66·9	58·5	−2·3	42	1st	82	3rd	59·3	55·6	4·1	2·7	·381	·365	75	82	62·4	61·2
Southern Part.	¶ §	Clacton – –	62	29·913	—	53·1	66·9	60·0	−2·2	43	12th	76	4th	57·5	62·5	2·4	4·3	·402	·426	85	75	61·4	60·8
		Berkhamsted – M	397	29·582	—	49·1	68·1	58·6	−1·9	42	12th	82	3rd	58·9	55·7	3·9	2·4	·381	·374	77	84	62·5	—
		District Value –				**51·3**	**67·0**	**58·7**	**−1·0**	**36**		**82**										**62·9**	**61·1**
4. MIDLAND COS.		Garforth – – –	198	—	—	47·4	64·8	56·1	—	34	12th	76	7th	58·4	54·5	4·2	2·7	·369	·354	75	83	56·8	54·5
		Huddersfield –	411	29·513	—	50·2	63·6	56·9	—	43	17th	74	3rd	57·0	54·8	3·5	2·4	·369	·367	79	85	60·2	56·6
		Wakefield – M	100	29·840	—	50·6	66·4	58·5	−0·4	42	7, 12, 17th	77	3rd	58·1	58·6	4·1	4·2	·365	·369	76	75	—	—
		Belvoir Castle –	276	29·677	—	49·9	65·5	57·7	−2·4	38	17th	80	3rd	57·6	55·2	3·0	2·1	·388	·376	82	87	—	58·8*
Eastern Part.		*Coventry* – –	309	29·668	—	50·5	67·9	59·2	−1·6	43	17th	81	3rd	58·8	—	4·0	—	·378	—	76	—	60·5	58·1
	¶ §	Nottingham – –	85	29·870	+ ·049	49·0	66·8	57·9	−2·4	37	17th	80	3rd	54·2	60·9	1·9	4·8	·366	·387	87	73	58·9	59·2
	¶ §	Birmingham – –	542	29·473	—	51·2	65·4	58·3	−1·3	46	12th	80	3rd	55·6	57·4	2·6	3·8	·371	·367	84	78	55·8	53·8
	¶ §	Oxford – – –	212	29·780 29·768	+ ·070 + ·043	51·2	68·1	59·7	−1·4	43	12th, 17th	81	3rd	57·8 59·5	59·9 —	3·7 4·7	— —	·372 ·370	— —	78 72	— —	— —	— —
	¶ §	Bath – – –	84	29·911	+ ·073	50·7	68·6	59·7	−1·1	41	12th	80	3rd	57·5	64·9	3·2	—	·380	—	80	—	63·1	61·9
	¶	Shrewsbury – –	212	29·757	—	49·6	66·7	58·2	−1·8	39	17th	81	3rd	59·0	56·1	3·2	1·6	·407	·405	81	90	—	—
		Buxton – – M	997	28·908	—	48·0	61·2	54·6	−2·2	39	17th	73	8th	56·5	52·7	4·0	1·8	·345	·349	75	87	57·9	54·9
Western Part	§	Sheffield – –	450	29·487	—	51·0	64·5	57·8	−2·2	44	12th	78	3rd	57·9	56·2	3·8	2·7	·373	·378	78	83	58·3	55·8
		Stokesay – –	375	29·595	—	47·8	67·4	57·6	—	36	17th	80	3rd	60·9	54·5	4·0	1·6	·409	·379	77	89	—	—
		Cheltenham – M	206	29·780	—	51·4	67·9	59·7	−0·8	41	12th	83	3rd	61·0	58·0	4·7	3·5	·391	·378	73	78	—	—
		District Value –				**49·6**	**66·8**	**57·6**	**−1·2**	**34**		**84**		-								**58·7**	**56·7**

For notes see p. lxxix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of AUGUST, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day	Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4-7	Calm.	N.	N.E.	E	S.E	S.	S.W.	W.	N.W	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
—	—	—	—	8·3	8·4	1·97	−1·20	0·75	26th	19	0	0	0	0	22	5	—	0	11	4	7	7	4	0	2	8	19	11	Sumburgh Head.
110	− 9	23	− 2	8·3	8·0	2·55	−0·38	0·75	26th	16	0	0	0	1	22	8	—	0	26	5	9	2	3	4	3	7	13	16	Deerness.
123	−11	26	− 3	8·1	7·3	2·82	−1·06	0·72	26th	20	0	0	0	0	18	0	—	0	20	7	5	14	1	2	4	10	14	5	Stornoway.
174	—	38	—	8·0	7·3	3·36	—	0·74	26th	18	0	0	1	0	15	8	—	0	27	2	7	5	5	2	1	6	17	17	Castlebay (Barra Isd.)
—	—	—	—	8·2	7·2	2·04	−0·70	0·45	26th	26	0	1	0	0	15	1	—	1	6	1	20	2	0	4	7	3	10	15	Wick.
—	—	—	—	—	—	2·32	−0·73	0·55	9th	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
155	+33	33	+ 7	6·8	6·5	1·81	−0·82	0·50	8th	16	0	0	0	1	14	0	—	0	8	16	3	7	5	1	2	6	12	10	Strathpeffer.
—	—	—	—	7·2	6·2	5·33	−1·98	1·50	9th	19	0	1	0	3	14	0	—	0	1	0	11	0	14	0	0	0	37	0	Glencarron.
135	+45	29	+10	7·3	7·2	4·27	+0·71	1·08	9th	13	0	0	0	1	18	0	—	0	19	3	3	17	4	3	5	22	5	0	Fort Augustus.
—	—	—	—	8·0	6·9	6·70	+0·68	1·32	9th	19	0	0	1	2	18	4	—	0	13	13	0	15	1	0	0	19	14	0	Fort William
—	—	—	—	—	—	1·56	−1·17	0·42	9th	13	0	0	0	—	—	0	—	0	7	9	2	14	10	4	0	3	7	13	Dunrobin Castle.
131	**+16**	**28**	**+ 3**	**7·8**	**7·2**	**3·64**	**−0·65**	**1·50**		**19**																			
154	—	33	—	7·2	5·8	1·83	−0·82	0·50	26th	19	0	0	0	1	8	0	—	0	2	11	2	6	10	0	0	6	25	2	Nairn.
—	—	—	—	8·0	7·0	2·32	−1·11	0·53	26th	20	0	0	0	0	13	0	—	0	1	0	12	8	0	5	2	12	10	13	Gordon Castle.
147	− 6	32	− 1	7·8	6·3	2·26	−0·82	0·72	31st	16	0	0	1	1	15	0	—	0	7	6	8	1	1	3	6	13	4	20	Aberdeen.
—	—	—	—	6·3	5·6	3·05	−0·34	0·87	24th	18	0	0	1	3	7	0	0	1	51	0	13	5	0	0	1	2	10	31	Tillypronie.
—	—	—	—	6·1	—	2·14	−1·64	0·78	31st	9	0	0	1	7	14	3	5	1	2	0	4	8	0	4	6	2	22	16	Balmoral.
—	—	—	—	7·2	9·0	2·75	−0·60	1·35	31st	15	0	0	1	0	16	0	—	0	14	0	0	10	1	13	0	20	8	10	Dundee
—	—	—	—	6·0	6·8	3·47	−0·52	1·24	31st	10	0	0	1	0	7	0	—	0	16	0	11	1	14	1	5	2	28	0	Crieff.
—	—	—	—	6·4	5·7	1·42	−1·47	0·82	31st	13	0	0	0	1	7	0	—	0	2	1	1	12	9	2	2	12	21	2	Leith.
171	+23	37	+ 5	5·7	6·5	2·16	−1·46	0·72	24th	12	0	0	1	2	10	0	0	0	6	0	15	1	11	6	1	7	18	3	Marchmont.
166	**+17**	**36**	**+ 4**	**6·7**	**6·6**	**2·34**	**−0·83**	**1·35**		**15**																			
184	—	40	—	6·8	7·5	2·41	−0·61	0·40	31st	18	0	0	3	0	9	0	4	3	19	6	6	0	1	3	1	5	12	28	Cockle Park (Morpeth).
—	—	—	—	7·4	7·0	1·23	−1·61	0·43	31st	16	0	0	0	0	13	1	—	0	2	2	9	10	4	2	5	19	9	2	Shields.
—	—	—	—	6·8	6·0	1·34	−1·40	0·47	31st	16	0	0	2	3	8	0	—	0	14	9	9	3	0	3	1	12	14	11	Seaham.
148	− 2	32	− 1	8·1	7·3	2·03	−0·72	0·59	11th	19	0	1	2	1	18	1	0	0	2	21	9	2	0	2	5	5	14	4	Durham.
169	—	37	—	5·5	5·9	2·03	−0·35	0·36	31st	20	0	0	0	5	7	2	—	0	1	4	3	6	0	3	0	21	3	22	Whitby.
—	—	—	—	7·8	6·8	1·79	−0·99	0·24	10th, 21st	20	0	1	3	2	16	1	0	1	6	11	11	5	0	4	4	16	3	8	Rounton.
179	—	39	—	7·6	7·8	2·06	−0·74	0·40	31st	18	0	0	0	0	12	1	—	0	21	0	12	16	0	4	0	18	3	9	Scarborough.
165	+14	36	+ 3	6·7	4·8	2·02	−0·60	0·49	20th	16	0	1	3	4	10	0	—	0	8	0	12	1	4	2	4	9	24	6	York.
153	—	34	—	6·5	4·5	1·94	−0·90	0·38	31st	16	0	1	3	4	10	1	0	0	2	15	3	12	1	1	0	10	11	9	Hull.
—	—	—	—	5·0	5·2	1·53	−0·43	0·28	31st	17	0	0	3	4	7	2	—	0	31	0	12	4	4	2	4	17	8	11	Spurn Head
212	—	47	—	4·6	5·4	1·93	—	0·36	26th	16	0	0	1	5	3	0	—	0	5	0	10	8	9	0	2	5	15	13	Skegness.
—	—	—	—	7·5	5·0	1·97	−0·60	0·45	31st	12	0	0	2	3	10	0	—	0	6	6	4	6	8	0	1	18	14	5	Lincoln.
178	**+17**	**39**	**+ 3**	**6·7**	**6·1**	**1·88**	**−0·86**	**0·97**		**17**																			
183	—	41	—	7·1	6·4	1·85	—	0·32	28th, 31st	21	0	0	2	0	10	0	—	0	42	1	18	2	4	1	5	10	10	11	Cromer.
180	+ 1	40	0	7·2	5·4	2·69	−0·21	0·50	23rd	18	0	0	1	1	12	0	0	0	3	4	11	10	7	1	0	13	8	8	Hillington.
—	—	—	—	—	—	2·61	—	0·62	28th	18	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Norwich.
207	—	46	—	6·6	6·3	2·83	+0·40	1·04	22nd	14	0	0	4	0	6	0	—	1	21	0	11	7	3	3	4	9	16	9	Yarmouth
200	—	45	—	5·9	4·9	2·40	+0·08	0·48	30th	13	0	0	4	3	8	0	0	2	18	1	13	11	6	1	3	2	14	11	Lowestoft.
170	−21	38	− 5	6·4	5·5	2·39	+0·21	0·40	22nd	17	0	0	6	5	9	0	—	0	3	3	10	6	3	1	3	13	16	7	Geldeston.
188	− 1	42	0	7·5	4·6	2·04	−0·35	0·38	31st	15	0	1	4	1	11	2	0	1	23	13	11	2	0	0	1	15	8	12	Cambridge.
—	—	—	—	7·5	5·5	2·65	—	0·71	31st	14	0	0	2	3	10	1	—	1	16	12	4	12	2	0	2	11	10	9	Woburn.
—	—	—	—	6·5	4·1	3·21	+0·66	0·78	22nd	16	0	1	4	5	8	1	0	0	2	4	3	14	4	0	1	16	15	5	Bennington.
216	—	49	—	6·5	5·9	1·55	—	0·56	23rd	14	0	0	5	0	5	0	0	2	27	0	9	8	7	3	4	11	10	10	Clacton.
197	—	43	—	6·4	4·9	3·09	+0·52	0·68	31st	16	0	0	3	5	8	0	0	0	1	10	5	6	4	1	3	12	11	10	Berkhamsted
196	**+11**	**44**	**+ 3**	**6·8**	**5·4**	**2·35**	**+0·01**	**1·04**		**16**																			
167	—	37	—	7·0	6·1	1·72	—	0·56	20th	14	0	0	1	2	10	0	—	0	1	17	5	6	0	0	2	7	16	9	Garforth.
162	—	36	—	6·6	4·8	2·91	—	0·72	20th	16	0	0	1	4	9	0	0	0	16	3	9	4	4	2	5	9	18	8	Huddersfield.
—	—	—	—	6·2	5·8	1·86	−0·71	0·44	20th	14	0	0	1	3	7	0	—	0	5	0	6	8	3	3	4	8	25	5	Wakefield.
173	—	38	—	7·1	5·6	3·37	+0·80	0·78	23rd	19	0	1	6	3	11	5	0	0	16	11	12	1	1	1	3	16	10	7	Belvoir Castle.
178	—	40	—	7·0	—	3·16	+0·59	1·22	31st	17	0	0	1	4	15	0	0	0	14	0	6	6	10	2	0	18	8	12	Coventry.
161	—	36	—	6·1	5·8	2·96	+0·35	0·66	23rd	14	0	0	3	4	10	1	0	0	10	0	5	8	7	2	2	11	19	8	Nottingham.
159	—	35	—	7·3	4·5	2·63	−0·29	0·75	31st	15	0	0	2	3	9	0	2	0	6	3	10	10	3	0	7	13	5	11	Birmingham
208	+23	47	+ 5	5·8 6·2	5·6 —	3·33 3·03	+0·95 +0·57	0·83	23rd	15	0	0	0	5	10	0	0	0	16	3	11	10	2	1	3	17	8	7	Oxford.
223	—	50	—	5·5	5·2	3·75	+0·88	0·99	23rd	12	—	—	—	8	11	—	—	—	12	0	2	15	9	1	2	7	17	9	Bath.
—	—	—	—	7·4	5·0	3·16	—	0·64	31st	17	0	0	1	2	10	0	0	0	9	7	3	0	0	10	2	12	9	19	Shrewsbury.
167	—	37	—	6·6	5·5	3·97	−0·69	0·91	26th	18	0	1	3	3	11	0	0	1	19	7	3	0	8	4	0	5	20	15	Buxton.
167	—	37	—	7·5	6·9	3·11	+0·18	0·70	20th	15	0	0	1	1	14	1	0	0	5	8	10	5	1	3	5	10	9	11	Sheffield.
—	—	—	—	7·6	4·9	4·02	—	0·81	31st	13	0	0	1	2	11	0	0	0	5	17	3	11	0	4	3	11	4	9	Stokesay.
197	—	44	—	5·8	3·5	3·42	+0·74	1·08	31st	15	0	0	2	5	4	0	0	0	10	4	2	7	2	4	0	22	14	7	Cheltenham.
182	**+16**	**41**	**+ 4**	**6·7**	**5·3**	**3·18**	**+0·53**	**1·37**		**15**																			

TABLE XV (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
		ft.	ins.	ins.	Min.	Max.											In.	In.	%	%		
5. ENGLAND, S.E.	**Reading**	264	29·716	—	49·3	69·2	59·3	—	41	14th	81	3rd	61·4	57·4	5·4	3·1	·379	·381	70	81	—	—
	Salisbury	186	29·805	—	49·1	70·3	59·7	-1·5	40	12, 16, 17th	83	3rd	61·8	56·8	3·5	2·1	·438	·400	80	86	63·8	—
	Dover	231	29·735	+·041	52·9	66·1	59·5	—	46	12th, 31st	77	4th	58·0	60·7	2·0	3·2	·421	·429	87	81	59·8	57·1
	Brighton	48	29·954	—	54·1	68·3	61·2	-1·0	47	12th	79	7th	62·3	—	3·7	—	·440	—	78	—	—	62·2
§	**Eastbourne**	36	29·963	—	53·7	66·4	60·1	-2·1	48	12th	74	7th	61·8	59·7	3·9	2·6	·429	·435	78	85	62·4	60·8
	Portsmouth	18	30·004	—	54·6	69·5	62·1	-0·3	48	12th	80	7th	63·0	—	5·0	—	·414	—	72	—	65·5	63·0
¶	Dungeness	21	29·950	+·036	53·5	66·3	59·9	-2·1	42	12th	73	4th	58·7	62·9	2·1	3·4	·429	·460	87	80	—	—
¶	**Hastings**	174	29·809	—	53·5	66·8	60·2	-1·4	46	31st	76	4th	62·3	57·6	4·2	1·9	·426	·418	76	87	63·4	60·5
¶ §	**Southampton**	84	29·928	—	52·6	69·8	61·2	-1·2	45	12th	81	3rd	62·3	59·3	4·7	2·8	·416	·423	74	84	—	—
¶ §	*Ventnor*	80	29·920	—	55·9	68·3	62·1	-0·3	49	12th	75	4th	62·6	—	4·5	—	·422	—	75	—	—	—
	District Value				**52·1**	**67·8**	**59·5**	**-1·3**	**34**		**88**										**62·5**	**60·6**
LONDON	**Tottenham**	55	29·926	—	52·7	68·5	60·6	-1·7	46	12th	81	3rd	61·9	58·7	5·0	2·9	·400	·409	72	83	—	61·7
	Camden Square	123	29·869	—	52·5	71·0	61·8	-1·5	45	12th	84	3rd	61·4	58·7	4·1	2·0	·415	·432	77	87	62·7	59·8
	Westminster	54	29·921	+·037	54·2	68·1	61·2	-1·2	47	11th	80	3rd	57·1	64·0	2·6	6·2	·390	·397	83	66	—	—
	Greenwich	159	29·822 29·817	— +·034	51·4 —	70·1 —	60·7 59·7	-2·2 -1·9	47	31st	83	3rd	61·3	57·3	4·8	2·7	·393	·391	73	83	—	61·7
	Norwood M	235	29·782	—	52·0	68·8	60·4	-1·6	43	12th	82	3rd	61·5	57·5	4·9	2·6	·394	·397	72	84	61·4	—
¶ §	**Kew**	34	29·964 29·958	+·038 +·040	52·9	67·8	60·4 60·1	-1·3 -1·1	46	12th	80	3rd	60·5	59·3	4·6	3·5	·386	·399	74	79	61·5	59·2
	Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Laudale	25	29·868	—	48·8	63·9	56·4	-0·7	40	14th	73	2nd	58·2	54·5	3·0	1·5	·399	·385	82	90	—	—
¶	**Poltalloch** S	135	29·770	—	48·6	63·9	56·3	-1·2	39	12th	72	2nd, 16th	57·5	53·0	3·6	2·4	·369	·337	78	84	—	—
¶ §	**Glasgow**	184	29·703	—	50·4	63·5	57·0	-0·1	44	12th	75	2nd	56·2	54·9	3·7	2·6	·350	·361	77	83	—	—
SCOTLAND, W. ¶ §	**Rothesay** S	76	29·842	—	50·0	64·8	57·4	+0·1	42	12th	75	2nd	57·3	55·1	3·0	2·2	·382	·371	81	85	—	55·3
¶	*Colmonell* S	140	29·787	—	48·8	62·2	55·5	-1·9	41	12th	69	2nd	57·7	—	3·2	—	·384	—	80	—	—	—
6. ¶	**Dumfries** S	60	29·876	—	49·5	67·3	58·4	-0·3	40	12th	80	2nd	59·1	55·7	4·5	2·7	·369	·368	73	83	—	—
¶	**Cally** S	120	—	—	47·5	65·0	56·3	-0·5	40	11th, 12th	73	3, 7, 15, 16th	58·8	53·1	2·1	2·0	·331	·349	87	86	—	—
ISLE OF MAN ¶ §	**Douglas**	284	29·652	—	51·1	61·2	56·2	-1·1	45	30th	72	3rd	56·9	54·7	2·8	1·9	·382	·377	82	88	—	—
	District Value				**49·2**	**63·9**	**56·3**	**-0·2**	**36**		**80**											
	Southport	42	29·923	—	52·9	64·1	58·5	-1·0	45	17th	71	16th	58·8	57·2	4·0	2·4	·378	·397	76	85	62·4	61·0
	Manchester (City)	195	29·757	—	53·0	64·6	58·8	—	44	12th	74	2nd	58·1	58·0	3·8	3·3	·375	·388	77	80	59·8	59·0
	„ (Whitworth P'k)	127	29·818	—	52·0	64·9	58·5	—	41	12th	75	2nd	58·3	57·1	4·1	3·0	·368	·379	76	82	—	—
¶ §	**Aspatria**	254	29·667	—	48·8	63·3	56·1	-1·7	39	12th	71	2nd, 3rd	57·1	54·7	3·0	2·0	·383	·376	82	88	—	—
ENGLAND, N.W. ¶ §	**Newton Rigg**	559	29·328	—	46·9	64·2	55·6	-1·2	34	12th	74	2nd	55·4	54·6	2·7	2·0	·363	·370	83	87	59·4	56·6
¶ §	**Stonyhurst**	363	29·575	—	50·4	62·4	56·4	-1·9	39	12th	72	2nd	57·2	55·8	3·8	2·9	·363	·366	77	82	—	—
¶ §	**Blackpool** M	73	29·881	—	52·4	62·9	57·7	-1·7	43	17th	70	16th	58·7	56·9	3·3	1·9	·395	·406	79	88	—	56·7
7.	**Darwen**	710	29·188	—	48·8	62·0	55·4	—	41	12th	74	2nd	56·7	54·0	3·4	1·9	·363	·363	79	87	59·4	56·5
¶	**M'nch't'r (Prestwich)**	320	29·613	—	50·1	65·0	57·6	-1·2	39	12th	77	2nd	57·6	55·3	3·0	2·2	·388	·375	82	86	—	—
¶	**Liverp'l, Bidston Obs.**	197	29·749	—	53·3	62·8	58·1	-1·8	48	31st	70	9th	57·8	57·1	3·7	2·6	·372	·390	78	83	—	—
¶ §	**Llandudno** M	21	29·946	—	53·9	64·7	59·3	-1·1	50	17th	74	3rd	59·3	58·7	3·8	3·1	·387	·397	77	80	—	—
NORTH WALES ¶	Holyhead	48	29·913	+·076	53·1	62·5	57·8	-1·4	50	11, 12, 20, 30, 31	70	3rd	56·8	58·9	1·8	2·5	·408	·420	88	84	—	—
¶ §	**Bettws-y-Coed**	100	29·841	—	50·5	65·1	57·8	-2·0	42	12th	77	3rd	59·5	56·2	4·0	2·3	·388	·385	76	85	57·0	55·0
	District Value				**51·2**	**63·8**	**57·0**	**-1·1**	**34**		**77**										**59·6**	**57·5**
SOUTH WALES ¶ §	*Llangammarch Wells*	585	29·371	—	46·9	64·3	55·6	-2·9	35	17th	75	3rd	57·6	—	2·7	—	·396	—	83	—	59·2	55·8
¶ §	Pembroke	150	29·820	+·075	53·2	62·5	57·9	-1·5	49	12th	67	2nd, 19th	56·6	59·5	1·8	3·0	·405	·416	88	82	—	—
	Clifton	229	—	—	53·8	68·2	61·0	-0·6	49	11, 12, 17th	79	3rd, 7th	—	—	—	—	—	—	—	—	—	—
¶	Portland Bill	23	29·970	+·047	56·5	64·8	60·7	-1·3	51	12th	71	7th	59·7	62·1	3·2	3·4	·414	·446	81	80	—	—
¶ §	**Plymouth**	116	29·897	—	54·5	67·4	61·0	-0·2	47	13th	76	7th	62·4	60·1	4·8	4·2	·413	·396	74	76	63·5	—
ENGLAND, S.W. ¶ §	**Falmouth**	183	29·841 29·836	+·059 +·061	55·3	64·9	60·1 59·8	-0·4 -0·3	50	13th	71	3rd	61·0	58·3	3·5	2·6	·425	·409	80	83	—	—
	Woolacombe M	79	29·901	—	55·5	64·9	60·2	-2·5	50	16th	72	2nd	61·1	59·5	3·6	3·1	·424	·413	79	81	—	—
	Rousdon M	516	29·462	—	52·1	65·9	59·0	—	44	12th	78	7th	60·6	59·1	4·3	3·6	·396	·393	75	78	62·5	61·0
	Whitchurch M	595	29·378	—	50·9	66·3	58·6	—	44	12th	79	3rd	60·4	54·8	3·1	1·5	·427	·385	81	90	61·8	—
	District Value				**52·3**	**66·1**	**58·7**	**-0·4**	**35**		**84**										**61·7**	**58·8**
9 IRELAND, N. ¶	Malin Head	230	29·652	+·078	51·8	59·0	55·4	-2·3	46	11th, 31st	64	3rd	54·3	56·0	0·9	1·0	·396	·419	94	93	—	—
Western Part. ¶	Blacksod Point	41	29·927	+·106	52·8	62·0	57·4	-0·8	47	17th	74	2nd	56·4	58·5	1·9	2·4	·399	·417	88	85	—	—
¶ §	**Markree Castle**	127	29·827	—	49·2	63·4	56·3	-0·8	40	17th	75	3rd	58·6	53·6	3·2	1·4	·400	·376	81	90	—	—
¶	Donaghadee	40	29·903	+·085	50·7	61·9	56·3	-1·2	44	30th, 31st	68	3rd, 9th	53·6	58·4	1·5	3·6	·369	·383	90	78	—	—
Eastern Part. ¶ §	**Armagh**	202	29·731	—	49·7	64·5	57·1	-0·7	43	16th	79	3rd	57·3	53·8	2·6	2·2	·397	·358	84	85	60·5	58·2
	Belfast	55	29·901	—	50·3	63·8	57·1	—	44	31st	75	3rd	58·2	55·4	3·8	2·7	·376	·365	78	83	—	—
	District Value				**50·8**	**62·2**	**56·1**	**-0·7**	**40**		**79**											
10. IRELAND, S. §	**Dublin (Phœnix P'k)**	159	29·807	—	49·7	64·7	57·2	-0·5	41	17th	77	3rd	58·3	55·0	2·5	1·5	·413	·394	85	91	—	—
Eastern Part.	**„ (Trinity Coll'ge)**	17	29·953	—	52·6	65·5	59·1	—	47	11th, 12th	77	3rd	60·0	57·2	4·1	2·8	·395	·391	76	83	60·5	58·4
¶	**„ (City)**	53	29·916	—	53·1	65·0	59·1	-0·6	47	11th	76	3rd	58·7	57·3	3·2	2·4	·401	·400	81	85	—	—
¶	*Waterford*	100	—	—	51·1	66·3	58·8	-0·3	46	11, 13, 15, 30	75	1st	—	—	—	—	—	—	—	—	—	—
¶ §	**Birr Castle**	173	29·784	—	50·1	64·2	57·2	-1·4	42	12th	76	3rd	58·9	56·7	1·8	1·3	·445	·427	89	92	—	—
¶	*Killarney*	174	—	—	53·0	68·1	60·6	+1·1	44	18th	81	2nd	—	—	—	—	—	—	—	—	—	—
Western Part. ¶ §	**Valencia**	62	29·977 29·973	+·075 +·076	54·6	64·3	59·5 59·3	+0·2 +0·3	48	18th	75	2nd	59·8	58·2	2·8	2·4	·426	·412	83	85	—	—
¶	Roche's Point	42	29·964	+·100	54·2	64·8	59·5	-0·2	48	12th	70	7th	56·8	61·1	1·4	3·6	·420	·424	91	79	—	—
	District Value				**52·3**	**65·7**	**58·6**	**+0·4**	**39**		**81**											
11. ENGLISH CHANNEL ¶ §	**Scilly**	20	30·000	+·066	57·4	64·4	60·9	-0·3	55	29th	70	3rd	59·5	61·5	2·6	3·6	·427	·430	84	79	—	—
¶ §	**Jersey**	36	30·003	+·058	57·0	68·9	63·0	-0·2	50	4th	75	4th	61·2	64·5	3·0	6·1	·443	·408	82	67	—	—
	Guernsey (Brooklyn)	311	29·718	—	56·0	66·9	61·5	-0·4	52	13th	76	4th	62·0	58·8	3·9	2·8	·434	·411	79	83	64·3	62·3
	District Value				**56·9**	**67·4**	**61·9**	**+0·4**	**50**		**77**											

For notes see p. lxxix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of AUGUST, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount.		Total Fall.	Diff. from Av.	Most in a Day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
				a.m.	p.m.			Amount	Day.																				
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																						
234	—	53	—	6·8	4·5	2·06	−0·37	0·76	23rd	12	0	0	0	3	8	0	—	1	10	2	7	5	5	3	2	22	4	12	Reading.
—	—	—	—	5·7	4·3	3·08	+0·37	0·69	31st	14	0	0	2	6	5	0	0	0	13	0	12	6	2	3	3	9	13	14	Salisbury.
230	—	52	—	5·8	6·0	2·67	—	1·00	23rd	13	0	0	**3**	4	**13**	0	0	0	12	3	13	6	1	0	5	17	8	9	Dover.
245	+28	55	+ 6	5·9	—	2·65	+0·27	0·91	23rd	11	0	0	1	3	12	0	0	0	12	4	**14**	6	2	2	2	**22**	4	6	Brighton.
235	+27	53	+ 6	5·1	3·8	3·53	+0·96	1·15	23rd	12	0	0	0	**10**	5	0	—	1	9	**5**	2	**20**	4	2	1	13	7	8	Eastbourne.
262	—	59	—	4·8	—	2·33	+0·05	0·83	31st	12	0	0	0	7	7	0	0	1	**40**	0	10	14	4	2	2	12	8	10	Portsmouth.
—	—	—	—	7·4	7·0	3·52	+1·54	1·08	23rd	14	0	0	2	0	11	2	—	2	36	0	6	14	3	0	2	16	12	9	Dungeness.
234	+21	53	+ 5	5·4	2·9	3·61	+1·14	1·13	23rd	12	0	0	2	6	3	0	—	**3**	21	2	10	11	2	3	2	11	14	7	Hastings.
235	+27	53	+ 6	4·3	4·0	4·91	+2·15	1·69	27th	13	0	0	**3**	**10**	5	0	0	1	17	0	4	12	1	3	2	13	8	**19**	Southampton.
253	+46	57	+10	4·8	—	2·18	−0·10	0·53	31st	13	0	0	0	8	5	0	—	0	20	3	7	1	**10**	**4**	**6**	8	**15**	8	Ventnor.
224	**+30**	**50**	**+ 6**	**5·6**	**4·6**	**3·45**	**+0·97**	**1·69**		**14**																			
219	—	49	—	6·4	4·4	2·40	—	0·65	23rd	13	0	0	4	3	6	0	0	0	7	1	13	11	2	3	1	13	6	12	Tottenham.
179	—	40	—	5·3	—	2·94	+0·55	0·74	23rd	16	0	1	2	7	11	0	0	—	—	2	8	12	0	2	0	14	10	14	Camden Square.
197	+29	44	+ 6	5·5	6·2	2·54	+0·15	0·78	23rd	15	0	1	4	3	11	0	0	2	16	6	7	11	3	0	1	13	12	9	Westminster.
214	+ 4	48	+ 1	6·7	4·4	3·28	+0·94	0·72	28th	14	0	1	1	3	9	0	0	0	6	6	9	10	7	2	1	7	16	4	Greenwich.
—	—	—	—	5·9	3·9	3·58	+1·22	0·76	23rd	14	0	1	4	4	5	1	0	1	6	6	4	12	2	0	3	14	12	9	Norwood.
205	+17	46	+ 4	7·2	4·4	2·46	+0·19	0·67	23rd	15	0	0	3	2	9	0	0	0	7	10	11	7	3	1	4	15	5	6	Kew.
202	+38	45	+ 8	--	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row
—	—	—	—	7·5	7·1	5·17	−0·82	0·75	9th	18	0	0	1	3	15	0	—	0	25	**16**	**13**	1	0	0	**9**	0	15	8	Laudale
—	—	—	—	7·1	6·8	6·45	+1·59	1·77	26th	19	0	0	0	0	10	**2**	—	1	19	8	5	1	1	1	**9**	8	**22**	7	Poltalloch.
174	+42	38	+ 9	7·7	7·2	3·12	−0·94	0·79	26th	16	0	0	1	1	**17**	0	0	0	5	11	0	6	**8**	1	2	14	17	3	Glasgow.
—	—	—	—	5·6	5·9	4·15	−0·72	1·24	26th	18	0	0	0	**6**	11	0	—	1	14	15	3	1	**8**	1	1	3	19	11	Rothesay.
—	—	—	—	6·0	—	3·54	−0·58	0·77	26th	17	0	1	0	5	10	0	0	0	8	0	0	2	4	**8**	2	12	18	**16**	Colmonell.
—	—	—	—	5·9	4·7	3·91	−0·06	0·94	26th	15	0	1	1	3	7	0	1	0	10	3	2	**9**	7	2	0	**15**	13	11	Dumfries.
—	—	—	—	—	—	5·43	+0·70	0·86	26th	19	0	**2**	1	—	—	0	—	0	9	1	5	8	6	**8**	3	14	5	12	Cally.
201	+26	44	+ 5	6·7	5·9	3·24	−0·89	0·72	31st	15	0	0	0	4	13	1	0	**2**	**40**	1	3	7	5	2	3	11	19	11	Douglas.
188	**+34**	**41**	**+ 7**	**6·6**	**6·3**	**4·34**	**−0·26**	**1·77**		**17**																			
188	+17	42	+ 4	7·4	7·3	3·33	−0·38	1·42	20th	15	0	0	**3**	0	14	0	0	0	**36**	2	4	0	**11**	4	4	8	18	11	Southport.
136	—	30	—	—	—	2·65	−1·09	0·69	20th	13	0	0	0	—	—	0	0	0	2	1	6	**7**	6	7	**8**	10	13	4	Manchester (City).
131	—	29	—	7·1	5·4	2·57	—	0·65	20th	14	0	0	0	3	9	1	0	0	11	2	5	4	10	1	**8**	11	13	8	„ (Whitworth P'k).
163	—	36	—	6·5	5·8	5·47	+1·02	1·33	27th	19	0	1	1	1	10	0	0	0	15	9	5	5	1	3	2	15	17	4	Aspatria.
180	+28	39	+ 6	6·4	5·7	4·08	+0·60	0·89	24th	18	0	1	0	2	8	1	0	0	14	9	2	2	5	4	5	16	17	2	Newton Rigg.
171	+19	38	+ 4	7·7	6·2	4·31	−0·94	0·85	20th	18	0	1	2	2	13	0	0	0	6	**15**	2	4	6	0	2	9	18	6	Stonyhurst.
197	+34	44	+ 8	8·0	7·6	3·52	−0·08	1·34	20th	18	0	0	2	2	**17**	0	0	0	24	0	2	2	**11**	4	3	8	14	**18**	Blackpool.
143	—	32	—	6·5	6·9	4·55	—	0·99	27th	19	0	0	**3**	3	13	1	0	0	16	0	2	6	1	**9**	4	8	23	9	Darwen.
158	+21	35	+ 5	7·7	4·5	3·96	+0·08	0·86	26th	17	0	0	**3**	**5**	11	0	0	0	7	3	4	5	10	0	4	10	25	1	Manchester (Prestwich).
174	—	38	—	6·8	6·3	2·40	−0·68	1·06	20th	17	0	0	1	3	11	0	—	0	18	0	3	4	8	2	6	14	19	6	Liverpool, Bidston Obs.
207	+40	46	+ 9	6·7	6·6	2·70	−0·33	0·53	20th	18	0	0	1	2	9	0	—	0	2	2	6	2	4	1	0	1	**37**	9	Llandudno.
—	—	—	—	7·0	6·1	3·94	+0·71	1·40	20th	15	0	0	1	1	9	**5**	—	3	22	1	**7**	4	9	1	3	**17**	12	8	Holyhead.
154	—	34	—	6·2	5·8	5·16	—	1·20	26th	16	0	0	1	2	7	0	0	**4**	7	4	3	4	7	4	1	12	10	17	Bettws-y-Coed.
182	**+26**	**40**	**+ 6**	**7·0**	**6·2**	**3·84**	**+0·17**	**1·42**		**17**																			
173	—	39	—	7·4	—	5·94	—	1·29	31st	14	0	0	1	4	**19**	0	**6**	0	8	**12**	6	6	0	0	2	2	**18**	**16**	Llangammarch Wells.
224	+31	50	+ 7	6·3	5·8	4·86	+1·80	1·05	31st	17	0	0	0	1	4	3	—	2	30	0	7	**11**	5	3	2	9	16	9	Pembroke.
207	—	47	—	—	—	4·53	+0·96	1·15	31st	13	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	4·8	4·5	1·37	—	0·56	31st	10	0	0	0	6	4	0	—	**4**	**37**	2	6	6	8	2	2	8	**18**	10	Portland Bill.
235	+38	53	+ 9	6·0	4·1	3·95	+0·93	1·31	27th	13	0	0	1	6	9	0	0	3	26	10	10	2	6	**5**	**6**	9	7	7	Plymouth.
233	+20	53	+ 5	5·5	3·7	4·31	+0·82	0·96	19th	17	0	0	1	5	6	0	—	0	12	6	**14**	0	**12**	1	2	11	8	8	Falmouth.
242	+58	54	+13	4·9	3·9	3·21	+0·11	0·87	26th	17	0	0	1	**8**	4	0	—	1	18	5	4	**11**	3	2	2	**14**	5	**16**	Woolacombe.
247	—	56	—	5·9	4·4	4·17	−0·27	1·03	28th	13	0	0	**2**	**8**	9	**5**	0	1	0	4	5	6	2	**5**	1	10	16	13	Rousdon.
—	—	—	—	6·1	4·6	5·68	—	1·43	31st	15	0	1	**2**	5	8	4	0	3	11	1	10	3	8	**5**	3	6	11	15	Whitchurch.
212	**+28**	**48**	**+ 7**	**5·8**	**4·5**	**4·33**	**+0·95**	**1·94**		**14**																			
—	—	—	—	7·4	6·8	4·80	+1·29	1·52	26th	22	0	0	0	0	13	**6**	—	**2**	**33**	0	2	2	**8**	**3**	6	11	**20**	10	Malin Head.
—	—	—	—	7·4	6·6	5·74	+0·86	1·26	24th, 31st	15	0	0	0	0	12	1	—	0	24	0	8	**8**	5	0	2	**16**	11	**12**	Blacksod Point.
144	+15	32	+ 4	8·5	6·9	3·84	−0·45	0·66	24th	19	0	1	0	**2**	**17**	3	0	0	9	24	8	0	0	2	6	9	2	11	Markree Castle.
—	—	—	—	7·4	6·5	2·27	−1·18	0·44	31st	17	0	**3**	1	1	11	4	—	1	8	3	**9**	6	5	**3**	**8**	8	9	11	Donaghadee.
144	+14	32	+ 3	8·1	5·7	2·31	−1·27	0·45	31st	15	0	0	0	**2**	16	0	0	0	0	**38**	1	3	0	1	3	13	2	1	Armagh.
—	—	—	—	—	—	2·13	−1·48	0·35	26th	16	0	0	0	—	—	0	—	0	1	17	7	3	3	**3**	2	9	8	10	Belfast.
144	**+13**	**32**	**+ 3**	**7·8**	**6·5**	**3·79**	**−0·22**	**1·52**		**16**																			
165	+ 1	37	+ 1	8·1	5·6	2·88	−0·44	1·21	20th	16	0	0	0	1	13	2	0	0	3	**16**	2	**6**	3	0	1	**20**	10	4	Dublin (Phœnix Park).
149	—	33	—	7·9	5·6	3·22	—	1·61	20th	14	0	1	0	3	14	0	0	0	12	11	3	1	7	0	1	2	**23**	**14**	„ (Trinity College)
—	—	—	—	6·9	4·5	3·44	+0·20	1·65	20th	15	0	1	0	**7**	9	0	0	1	19	2	5	**6**	**9**	0	1	7	18	**14**	„ (City).
—	—	—	—	—	—	4·04	+0·11	0·81	31st	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
135	− 8	30	− 2	8·0	8·5	3·76	−0·21	0·60	22nd	17	0	0	0	0	**18**	0	—	0	11	4	7	1	5	2	**4**	14	16	9	Birr Castle.
—	—	—	—	—	—	4·23	−0·46	0·93	22nd	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
172	+19	39	+ 5	7·4	6·3	3·48	−1·66	0·64	22nd, 30th	17	0	0	3	1	11	0	—	1	**10**	15	7	2	5	2	2	8	10	11	Valencia.
—	—	—	—	6·5	6·5	2·82	−1·37	0·65	31st	15	0	1	1	0	12	2	—	**2**	18	1	**18**	**6**	6	**4**	**4**	4	9	13	Roche's Point.
166	**+13**	**37**	**+ 3**	**7·5**	**6·2**	**3·79**	**−0·30**	**2·09**		**16**																			
210	−18	48	− 4	7·4	6·6	3·25	+0·62	0·64	26th	15	0	0	0	0	**14**	1	—	0	**37**	0	11	5	**9**	1	3	8	13	12	Scilly.
249	+ 6	56	+ 1	6·6	4·8	1·96	−0·58	0·43	21st, 31st	13	0	0	0	2	8	0	—	1	**37**	0	3	9	8	2	2	**9**	17	12	Jersey.
242	− 5	55	− 1	5·4	3·3	1·90	−0·81	0·43	31st	11	0	0	1	**9**	3	0	0	1	23	3	3	**13**	0	**3**	**4**	4	19	13	Guernsey (Brooklyn).
239	**+ 6**	**54**	**+ 1**	**6·5**	**4·9**	**2·38**	**−0·30**	**0·64**		**13**																			

The sunshine entered to Portsmouth is registered at Southsea.

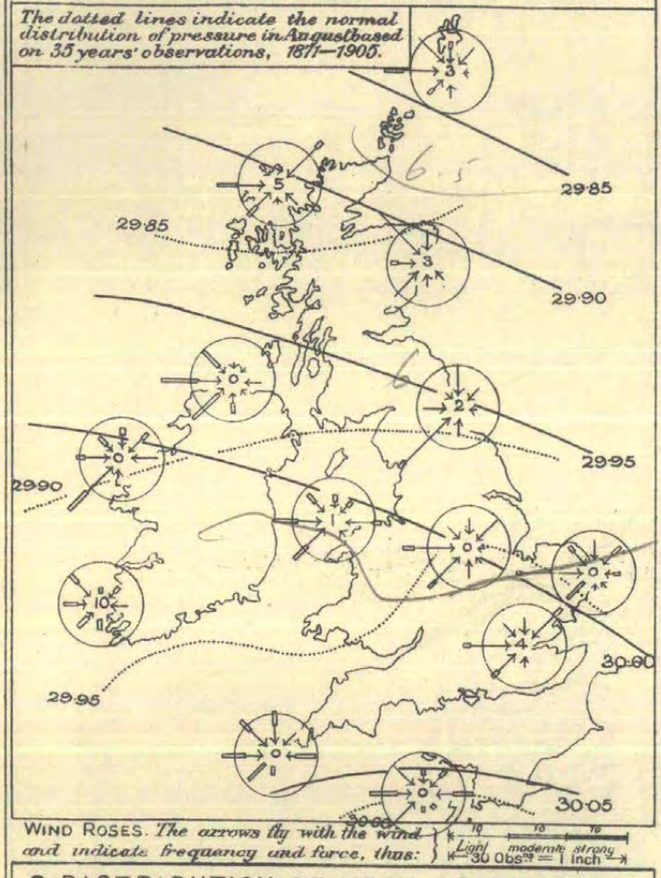
TABLE XVI.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, AUGUST, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
				Ft.	Min.	Max.											Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.		Balta Sound	S	31	48·3	55·9	52·1	—	44	11th	63	2nd	—	—	—	21	1·84	—	0·66	26th	90	—	19	—
1. SCOTLAND, E.	§	Crathes	S	140	46·1	64·6	55·4	—	33	13th	75	3rd	57·0	55·0	3	12	2·44	—	1·01	31st	142	—	31	—
	§	Balruddery	S	276	45·0	66·6	55·8	—	35	12th	79	2nd	—	—	--	14	3·02	—	1·34	31st	192	—	42	—
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	190	+ 44	41	+ 9
	¶	West Linton	S	800	45·9	61·3	53·6	- 2·7	36	12th, 14th	73	2nd	—	—	2	17	3·10	—	0·82	31st	150	—	33	—
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	48·9	62·0	55·5	- 1·8	39	12th	78	3rd	—	—	--	16	2·10	-1·11	0·97	31st	—	—	—	—
		Newcastle-on-Tyne	—	152	51·3	63·5	57·4	—	44	12th	74	3rd	—	—	—	16	1·52	-1·59	0·43	31st	152	+ 19	33	+ 4
		Ampleforth	—	349	48·1	64·6	56·4	—	40	30th	78	3rd	—	—	—	17	1·87	—	0·37	20th, 31st	—	—	—	—
		Tealby	—	251	50·3	64·4	57·4	- 2·0	41	12th	79	3rd	—	—	—	16	2·17	-1·05	0·59	31st	—	—	—	—
	¶	Fulbeck	—	180	49·8	66·9	58·4	- 2·2	40	12th	81	3rd	—	—	—	16	2·22	-0·41	0·40	31st	—	—	—	—
	§	Rauceby	—	124	49·8	67·1	58·5	—	40	12th	81	3rd	—	—	o	1"	2·67	+0·02	0·63	31st	180	—	40	—
3. ENGLAND, E.		Felixstowe	—	10	52·9	67·1	60·0	- 1·8	45	2nd	79	4th	—	—	—	14	1·40	—	0·39	23rd	210	—	47	—
	¶ §	Rothamsted	—	424	49·8	66·8	58·3	- 1·9	43	12th, 16th	79	3rd	—	—	—	15	2·81	+0·22	0·62	23rd	202	+ 11	45	+ 2
		Shoeburyness	—	13	53·3	67·9	60·6	- 2·3	45	12th	79	4th	—	—	—	13	2·01	+0·26	0·61	23rd	—	—	—	—
		Southend-on-Sea	—	100	53·3	68·5	60·9	—	42	12th	82	4th	65·4	—	o	14	2·05	+0·11	0·60	23rd	229	—	51	—
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	48·8	63·7	56·3	- 1·7	39	12th	75	3rd, 7th	56·6	55·8	o	15	1·90	-0·93	0·56	31st	171	—	38	—
		Bradford	—	330	49·4	63·5	56·5	—	40	12th	73	3rd	60·9	59·0	o	16	2·48	—	0·63	31st	187	—	41	—
	¶	Cheadle	M	646	49·2	64·8	57·0	- 0·9	41	12th	75	3rd	—	—	o	18	4·81	+1·21	0·99	31st	—	—	—	—
	¶	Bawtry	—	65	49·2	66·5	57·9	- 1·9	36	17th	78	3rd	—	—	—	15	2·07	-0·42	0·61	20th	—	—	—	—
	§	Worksop	M	56	49·2	67·4	58·3	- 1·4	36	17th	82	3rd	58·8	57·0	2	15	2·14	-0·40	0·61	20th	156	+ 9	35	+ 1
		Kingston-on-Soar	—	125	48·3	66·2	57·3	—	35	17th	79	3rd	59·3	—	—	15	2·91	—	0·64	20th	—	—	—	—
		Rugby	—	379	48·6	66·8	57·7	- 2·2	41	17th, 31st	82	3rd	—	—	o	16	3·75	—	0·87	31st	—	—	—	—
	¶	Raunds	M	210	48·8	68·2	58·5	- 2·8	38	17th	84	3rd	—	—	—	15	3·63	—	0·74	28th	—	—	—	—
		Winslow	—	379	50·1	67·6	58·9	—	42	12th	81	3rd	—	—	—	16	3·00	—	0·82	31st	—	—	—	—
	¶	Hereford	M	291	49·6	68·7	59·2	- 1·1	40	17th	82	3rd	—	—	o	14	2·86	+0·28	0·86	31st	—	—	—	—
	¶ §	Cirencester	—	446	48·6	67·4	58·0	- 1·0	40	11th	82	3rd	—	—	o	13	3·89	+0·74	1·37	31st	208	+ 26	47	+ 6
		Epsom	—	160	50·4	70·1	60·3	—	40	12th	83	3rd	—	—	o	17	3·53	—	0·98	23rd	—	—	—	—
		Wokingham	—	216	46·8	69·3	58·1	—	34	17th	82	3rd	—	—	—	15	2·80	—	0·88	23rd	—	—	—	—
		Maidenhead	—	99	50·5	72·3	61·4	—	41	17th	88	3rd	—	—	?	16	2·68	+0·47	0·77	23rd	—	—	—	—
	¶ §	Marlborough	—	424	46·1	67·8	57·0	- 2·4	34	17th	80	3rd	—	—	4	14	3·70	+0·84	0·90	23rd	201	+ 23	45	+ 5
		Bucklebury	—	409	49·8	67·9	58·9	—	41	12th	80	3rd	—	—	o	15	2·90	—	0·90	23rd	—	—	—	—
	¶	Swarraton	M	310	48·9	67·8	58·4	- 1·1	37	17th	79	3rd	—	—	—	15	3·91	+1·01	0·92	23rd	—	—	—	—
	¶ §	Margate	—	35	55·4	67·4	61·4	- 0·9	47	31st	78	4th	61·8	60·1	o	14	2·26	+0·21	0·83	23rd	205	+ 15	46	+ 3
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	13	2·59	—	0·98	23rd	224	—	50	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	229	—	51	—
	¶ §	Wisley	—	150	51·1	68·6	59·9	- 2·6	41	17th	81	3rd	61·8	60·7	o	14	3·18	—	1·04	23rd	215	—	48	—
5. ENGLAND, S.E.	¶ §	Tunbridge Wells	M	421	50·6	67·6	59·1	- 1·6	43	12th	78	4th	62·8	—	o	16	4·81	+2·47	1·09	23rd	228	+ 32	51	+ 7
		Folkestone	—	121	52·9	65·8	59·4	—	45	30th, 31st	75	4th	—	56·7	—	12	2·33	-0·11	0·97	23rd	223	—	50	—
	§	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	208	—	47	—
		Bexhill	—	27	54·4	66·5	60·5	—	42	12th	74	7th	63·7	—	o	10	3·43	—	0·96	23rd	236	—	53	—
		Lewes	—	58	52·3	67·5	59·9	—	45	17th	77	4th	—	—	—	16	3·75	—	1·08	23rd	—	—	—	—
	§	Worthing	—	36	53·6	68·2	60·9	- 0·6	44	12th	80	7th	62·8	60·4	o	13	2·96	+0·65	0·94	23rd	252	—	57	—
		Bognor	—	20	53·5	67·4	60·5	—	45	12th	74	7th	—	59·0	o	13	2·63	—	0·65	31st	255	—	57	—
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	255	—	57	—
		Totland Bay	—	140	54·2	67·3	60·8	- 0·9	46	17th	76	7th	—	—	—	12	2·23	-0·15	0·65	31st	252	—	57	—
		Bournemouth	—	145	51·3	69·8	60·6	—	43	11th, 18th	81	4th	62·4	61·7	—	12	3·04	—	0·86	31st	259	—	58	—
		Weymouth	—	21	54·8	69·0	61·9	—	47	12th	81	7th	—	—	—	9	1·84	—	0·61	31st	260	—	59	—
6. SCOTLAND, W.		Thornton Hall (Lanarkshire)		440	47·2	62·8	55·0	—	37	12th	73	2nd	—	—	o	16	3·13	—	0·77	26th	186	—	41	—
	¶	Kilmarnock	—	90	47·8	63·7	55·8	- 1·9	36	12th	71	16th	—	—	—	16	4·01	—	0·90	26th	170	—	37	—
7. ENGLAND, N.W.		Carnforth	—	174	50·1	63·9	57·0	—	39	12th	73	2nd	—	—	o	18	4·55	—	0·96	21st	180	—	40	—
		Burnley	—	710	48·9	62·5	55·7	—	37	12th	73	2nd	58·0	56·0	o	17	4·52	—	0·86	20th	166	—	37	—
	§	Hoylake	—	459	54·0	64·0	59·0	—	48	17th, 18th	70	3, 9, 16th	—	—	o	16	2·14	—	0·74	20th	181	—	40	—
		Rhyl	—	30	52·6	64·0	58·3	—	45	17th	71	16th	—	—	—	16	2·60	-0·07	0·65	21st	202	—	45	—
		Colwyn Bay	—	65	54·4	64·4	59·4	—	50	18th	75	3rd	—	—	—	14	2·56	—	0·72	20th	182	—	40	—
	¶	Hawarden Bridge	—	22	52·2	64·8	58·5	- 1·6	44	12th	72	3rd	—	—	—	18	2·85	-0·20	0·86	20th	—	—	—	—
		Towyn	—	10				—										—				—		—
	§	Aberdovey	—	22	55·4	64·7	60·1	—	50	12th, 31st	72	2nd	—	—	—	15	4·38	—	1·11	26th	200	—	45	—
	§	Aberystwyth	—	59	56·9	64·0	60·5	—	52	31st	71	15th, 16th	—	—	—	—	—	—	—	—	167	—	37	—
		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	217	—	49	—
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	233	+ 37	52	+ 8
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	194	—	44	—
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	12	5·07	—	1·94	31st	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	13	4·69	—	1·60	31st	—	—	—	—
	¶	Cardiff	—	50	51·1	66·2	58·7	- 1·9	44	12th, 29th	76	3rd	61·6	59·6	o	14	6·33	+1·78	1·74	31st	229	—	51	—
8. ENGLAND, S.W.		Swansea	—	24	53·7	68·4	61·1	—	45	11th. 30th	84	8th	—	—	o	16	5·11	—	1·21	31st	—	—	—	—
	¶	Shaftesbury	M	722	51·2	66·6	58·9	- 0·5	44	12th	79	3rd	62·1	—	—	14	2·76	-0·19	0·56	23rd	—	—	—	—
	¶	Arlington	—	613	50·8	64·9	57·9	- 1·0	44	12th	74	3rd	—	—	—	18	6·33	+1·37	1·13	31st	—	—	—	—
	¶ §	Cullompton	M	202	50·1	70·8	60·5	0·0	40	12th	84	3rd	—	—	o	14	2·88	-0·13	0·65	31st	210	+ 28	47	+ 6
		Torquay	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	237	+ 27	53	+ 6
	§	Newquay	—	100	55·1	64·5	59·8	- 1·0	49	12th, 13th	70	2nd, 19th	61·1	—	—	13	3·29	+0·51	0·62	26th	239	+ 34	54	+ 8
		Salcombe	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	238	—	54	—
		Penzance	—	54	56·0	67·3	61·7	—	52	13th	74	2nd	—	—	—	16	4·77	—	1·39	27th	229	—	52	—

MONTHLY WEATHER CHARTS, AUGUST, 1908.

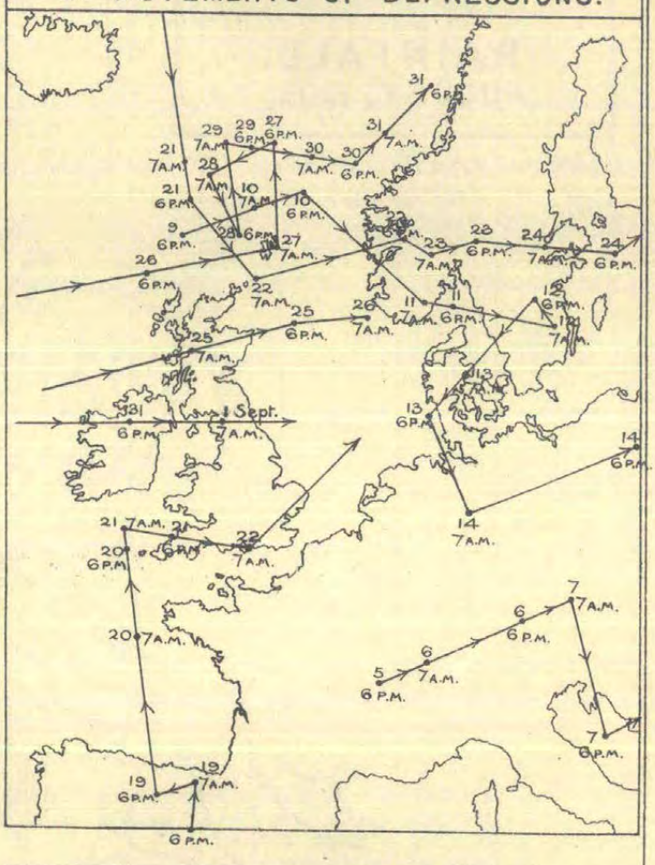
1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in August based on 35 years' observations, 1871–1905.



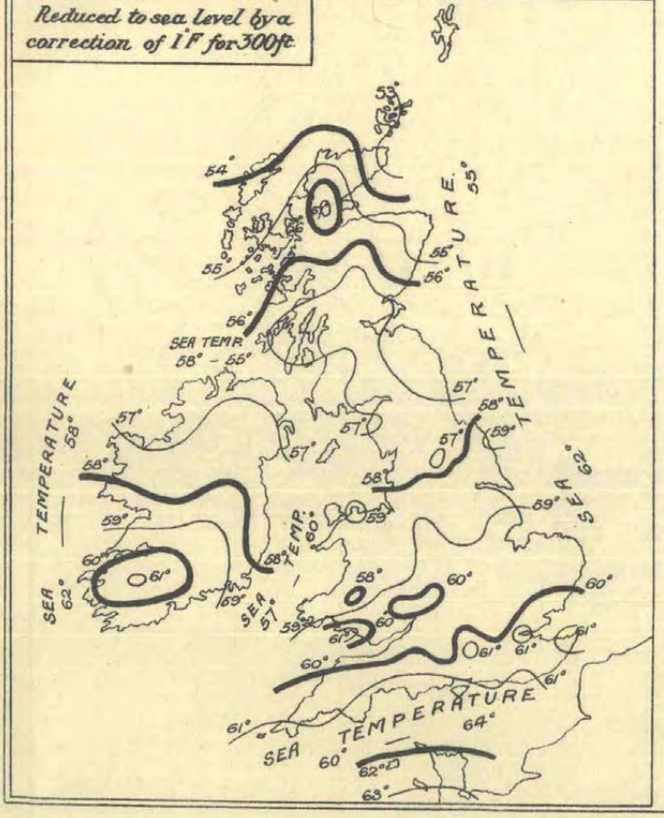
WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light moderate strong — 30 Obsns = 1 inch

2. MOVEMENTS OF DEPRESSIONS.



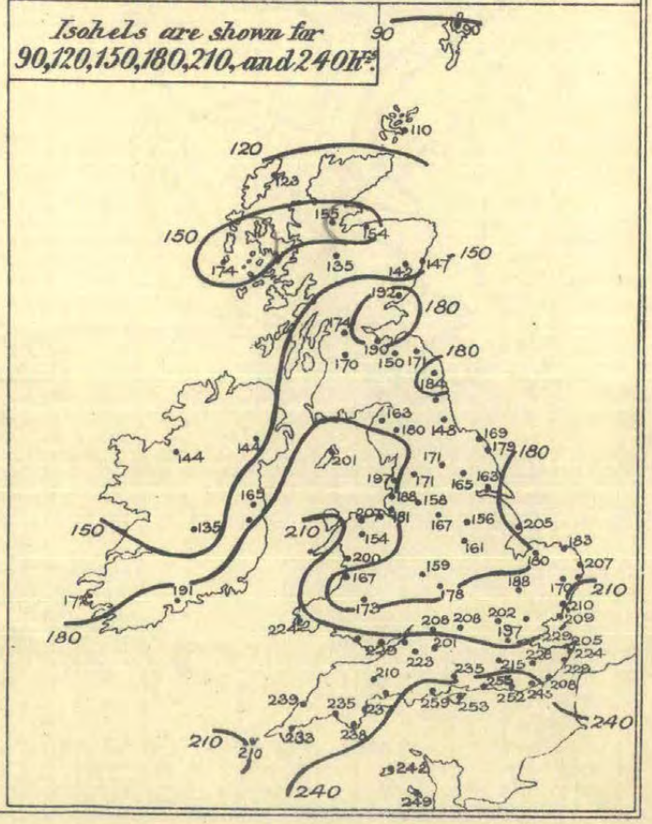
3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300ft.



4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 90, 120, 150, 180, 210, and 240 Hrs.



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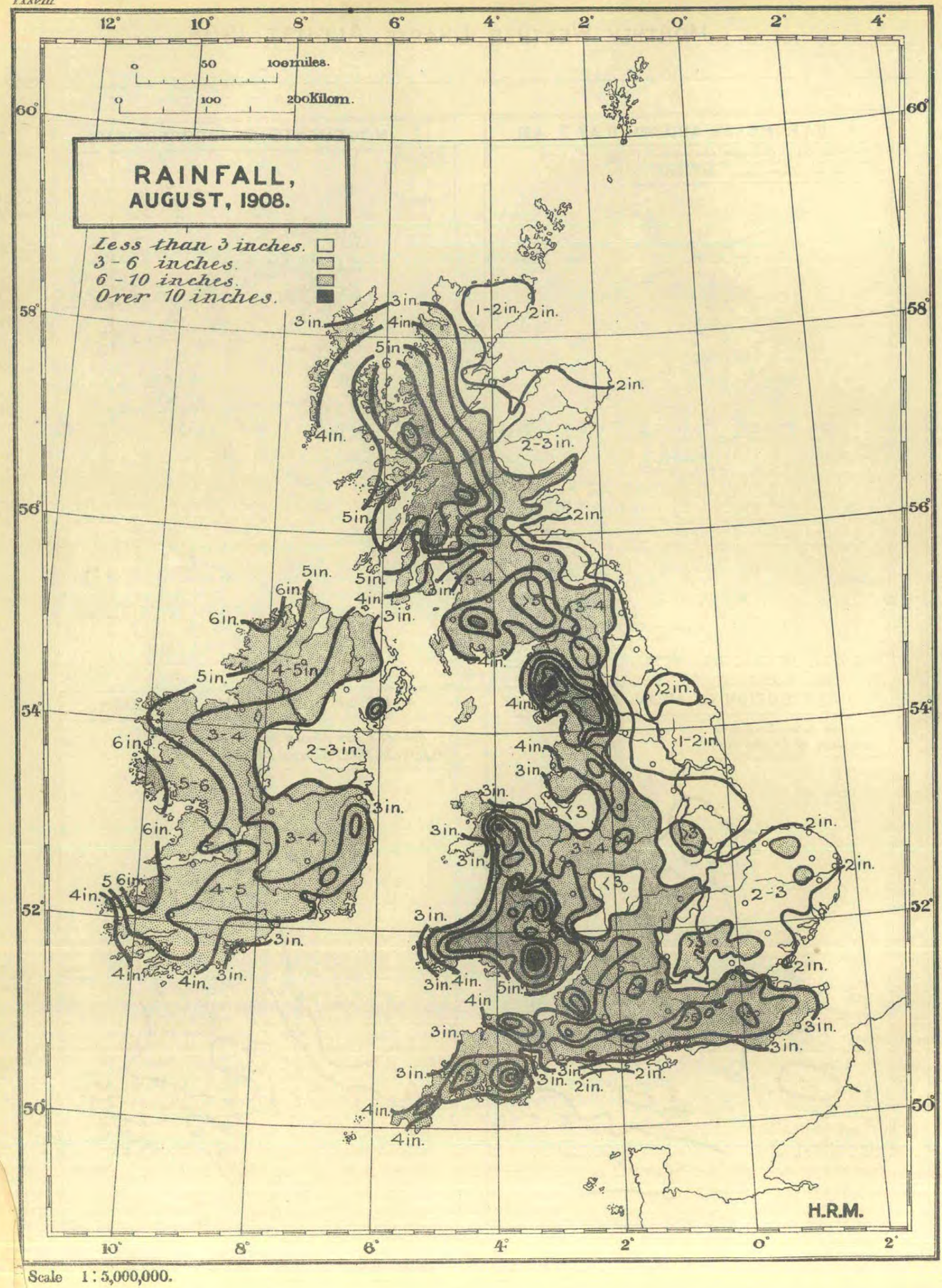

Scale 1 : 5,000,000.

TABLE XVI (*continued*)—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, AUGUST, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	Min.	Max.											Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dublin (Glasnevin) - -	67	50·9	65·2	58·1	- 0·4	43	17th	78	3rd	—	—	0	15	2·59	-0·86	1.33	20th	—	—	—	—
	Kingstown - - -	—	53·4	65·5	59·5	—	48	11th	76	3rd	—	—	—	·4	3·52	—	2·09	20th	176	—	39	—
	Clongowes Wood College -	237	46·6	65·1	55·9	—	39	12th	? 75	3rd	—	—	—	18	3·19	—	0·66	20th	167	—	37	—
10. IRELAND, S.	¶ Kilkenny - - - -	212	50·3	66·4	58·4	- 0·9	39	12th	78	3rd	—	—	—	14	3·58	-0·10	0·69	31st	—	—	—	—
	¶ Cahir - - - 𝔐	199	51·1	67·0	59·1	+ 0·3	40	12th	77	1st	—	—	—	17	3·71	—	0·63	31st	—	—	—	—
	¶ Foynes - - - -	108	53·5	64·8	59·2	+ 0·4	49	17, 30, 31st	74	2nd	—	—	—	19	5·09	+1·02	1·34	22nd	—	—	—	—
	§ Ballinacurra - - -	34	52·0	67·7	59·9	—	42	12th	76	1st	—	—	—	14	3·85	—	1·07	22nd	191	—	43	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) -	180	56·4	68·9	62·7	+ 0·8	52	13th	77	4th	—	—	—	12	1·94	-0·77	0·43	31st	257	+15	58	+3

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for **latitude** has not been applied to the readings quoted in the Tables. It is applied to the readings at sea level from which the chart showing the mean monthly distribution of pressure is prepared. The values are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky**," if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked $ is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street London, S.W. September 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. IX. SEPTEMBER, 1908. [*Price 6d.* *Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The mean distribution of atmospheric pressure for the month of September was in very fair agreement with the normal. The central space of an extensive region of low values was indicated over the more northern part of the Atlantic, to the south-westward of Iceland, where the barometer readings averaged less than 29·6 ins., while an area of relatively high values, 30 ins. and upwards, occupied the greater part of Europe, from the Bay of Biscay eastward. The British Isles were thus situated in the middle region between the extremes of pressure, with the barometric results differing but little from the usual level. At Jersey there was a small excess, and over the rest of the Kingdom a deficiency, in many cases of less than 0·05 in., and nowhere amounting to 0·1 in. There were no great barometric changes, the range during the month being small, from ¾ in. in the Channel Islands and the Hebrides, to 1¾ in. on the Irish Sea. In the main, therefore, the pressure distribution was of a Southerly to Westerly type, winds from this quadrant largely prevailing, occasionally veering into the North-West quarter, but rarely visiting the eastern half of the compass. Although the conditions were, generally speaking, of a very unsettled character, and the weather presented great variations, gales were few in number. But while wind storms were uncommon, rain storms of considerable intensity were rather frequent, and the thermometric records disclose some remarkable fluctuations of temperature—from unseasonable cold in the first half of the month to equally unseasonable warmth at the close.

A moderately deep depression, with minimum pressures of about 29 ins., which reached Ireland on August 31st, was centred over Wales and the west and north of England on the morning of September 1st, then passed quickly eastward, reaching the Baltic region on the following day. On the 1st the South-Westerly to Westerly wind blew a gale in many localities, a strong gale at Jersey, Dover and Dungeness, and a whole gale at Portland Bill. The anemometrical records show that at Scilly a mean hourly velocity of 56 miles was reached, the velocity exceeding 50 miles an hour through eight consecutive hours, while in one of the squalls a velocity at the rate of 69 miles an hour was registered. Brighton had a gust at the rate of 61 miles, and Plymouth and Shoeburyness 57 miles per hour. In the rear of the disturbance the Northerly wind was not so severe, Holyhead and Malin Head reporting gale force, and at Alnwick Castle a gust at the rate of 55 miles an hour was recorded. Thunderstorms occurred in many parts of England. The greater portion of the rainfall associated with the storm fell during the rain-day August 31st. It exceeded 1 inch in many places, mostly in South Wales and the Midlands.

A small and shallow disturbance which moved eastward across the extreme southern districts on the 3rd and 4th was accompanied by very little wind, but it deposited from ½ in. to an inch of rain at a number of places. Under the influence of a depression over Iceland on the 5th a South-Westerly gale was felt at Malin Head, and very heavy rain fell over our northern districts, up to 1·9 in. at Glencarron, and 2 ins. at Laudale.

Extremely unsettled weather marked the progress of a slow moving depression which made its appearance off the west of Ireland on the morning of the 7th. Taking a north-easterly course it occupied three days in passing to the south-west coast of Norway, the lowest pressure being 29·15 ins. at Aberdeen on the 9th. Strong or high South-Westerly to North-Westerly winds blew in most districts, and each day from the 7th to the 10th the force of a gale was attained locally, on the 9th a strong South-Westerly gale at Nottingham and Pembroke, Westerly at Portland Bill, and North-Easterly at Wick. A squall at the rate of 53 miles per hour was registered at Shoeburyness. Very few thunderstorms were reported between the 7th and the 10th, but in the extreme northern and north-western parts of the United Kingdom rain was heavy and persistent. In numerous instances the falls were an inch or more in a day—on the 7th, 1·8 in. at Killibegs, and 1·9 in. at Rothesay; on the 8th, 1·6 in. at Kinlochewe (Ross), 1·7 in. at Blacksod Point, 1·8 in. at Foynes, Mount Callan (Clare), and Glencarron, 1·9 in. at Stornoway and Wick, 2 ins. at Markree Castle, and 3·6 ins. at Ardross Castle (Ross); and on the 9th, 1·6 in. at Killibegs, and 2·2 ins. at Sandside, Orkney. From the 5th to the 9th Kinlochewe received 5·3 ins., from the 7th to the 9th Killibegs had 4·7 ins., and on the 8th and 9th Ardross Castle exceeded 4·9 ins. At Ampleforth Abbey on the afternoon of the 9th there was an extremely heavy shower (0·3 in.) of sleet, rain and snow; at Liverpool Observatory on the following morning snow flakes fell with rain; and on the 11th heavy rain, hail and snow fell at Berkhamsted for 25 minutes. As the disturbance was passing away a very small secondary irregularity of pressure moved across southern England, occasioning minor thunderstorms and small quantities of rain and hail in many neighbourhoods. Canterbury, however, was visited by a fierce thunderstorm between 5 p.m. and 6 p.m., accompanied by a deluge of rain and hail. In hollows the hail acummulated to a depth of 15 inches, and stopped pipes and drains. Streets and houses were flooded. In the east of the City the rainfall was only 0·45 in., but in the north it was 1·45 in., in the centre 1·99 in. (of which 1½ in. fell in about 20 minutes), and in the south 3·15 ins.

After this the conditions became much less disturbed, although they remained of an unsettled type until practically the end of the month. The Atlantic low pressure system maintained its position well to the westward of our coasts and near Iceland, and only some small secondaries visited these islands. As a rule these did not cause much wind, but a Southerly gale was felt at Roche's Point on the 25th, and at Blacksod Point on the 29th. Occasionally there were local thunderstorms, and here and there rain fell rather heavily, 2·1 ins. at Graythwaite (Lake Windermere) on the 16th, and 1·7 in. at Kilkenny on the 19th. Even in the closing days, when the weather had become very fine and warm over England, there were several falls of from 1 in. to 1·5 in. of rain in Ireland and Scotland.

The more disturbed half of the month was marked by cold weather over the country generally. Maximum afternoon temperatures below 60° were commonly experienced, in very numerous instances they were below 55°. Between the 3rd and the 5th Stokesay, Markree Castle, Strathpeffer and Sumburgh Head reported 51°, and Llangammarch Wells under 50°. Similarly low maxima occurred between the 9th and 13th, Rhyl, Nairn and Wick having 50°, and Buxton only 49°. At Whitworth Park, Manchester, the maximum of 52½° on the 10th occurred in the night. During the same period some of the nights were exceedingly cold, shade minima below 35° being registered at many stations. On the 5th Wokingham touched 31°, Llangammarch Wells 29°, and Balmoral 27°, and on the 12th or 13th Lincoln, Buxton, Carlisle and Kilmarnock registered 31°, Garforth and Colmonnell 30°, Wokingham 29°, and Llangammarch Wells 28°. During a temporary burst of warmth on the 19th and 20th the thermometer passed 70° in many localities, mounting to 79° at Canterbury and Whitby. Quite at the close the weather suddenly became abnormally warm, so that on the last two days readings above 75° were numerous, a dozen stations rose to 80°, and on the 30th Leeds and Whitby had 81°, and Epsom and Maidenhead 82°.

An auroral display was witnessed at Liverpool, Heddon-on-the-Wall, and other places on the evening of the 29th.

Fog was reported on various parts of our coasts on the 7th and 8th, otherwise atmosphere during the first half of the month was generally clear. From the 17th to the end, however, it was present every day in many localities. Inland, also, there was an appreciable increase in the frequency of fog, especially during the morning hours.

All round our shores the temperature of the sea water was decreasing. Off the west of Ireland, the south-east of England, and on the eastern side of the Irish Sea the mean values showed a reduction of from 3° to 5° since August, while on the east coasts of Ireland and Britain the reduction was 1° or 2°. In most neighbourhoods the water was a little warmer than the air, but on the eastern part of the English Channel it was 3° or 4° warmer.

Rainfall.—Notwithstanding the many heavy rainstorms, the aggregate totals for the month show that there was an excess of precipitation only in Scotland, Ireland, the north-west of England and the English Channel. Some stations in those regions had an excess of more than 3 ins., while several parts of England returned a deficiency of more than an inch, 1½ in. at Folkestone, Portsmouth and Woolacombe. The largest totals were 11·8 ins. at Killibegs, 11·1 ins. at Glencarron, and 10·4 ins. at Caragh Lake (Kerry); the smallest an inch at Shoeburyness, Southend and Folkestone, and 0·7 in. at Clacton-on-Sea. Rain was measured on 28 days at Stornoway, Gruline (Mull) and Cahir, and on 27 days at Balta Sound and Killarney, against 9 at Shoeburyness, 8 at Felixstowe and in the Forest of Dean (200 feet), and 7 at Southend.

Bright Sunshine.—The duration of bright sunshine was below the average in nearly all districts, the difference amounting to 61 hours at Strathpeffer, 51 hours at Pembroke, and 48 hours at Armagh and Birr Castle. There was a small excess at many southern stations. Ramsgate, Broadstairs, Dover, Eastbourne and Jersey, with from 185 to 181 hours for the whole month, had 49 per cent. of the possible duration, while Crathes, with 54 hours, had only 14 per cent., West Linton, Balmoral and Strathpeffer returning 15 per cent.

525. 10/08. Wy. & S. 7444*r*.

TABLE XVII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·654	– ·012	46·8	54·5	50·7	+0·1	42	3, 13, 15th	61	17th	49·8	51·0	1·1	1·3	·330	·341	92	91	—	—
	§ **Deerness** – –	163	29·633	—	47·6	54·2	50·9	−0·6	43	2nd	63	17th	51·6	50·7	1·5	1·4	·346	·337	90	90	—	—
	¶ § Stornoway – –	52	29·749	– ·032	46·2	57·0	51·6	+0·1	36	18th	63	29th	50·4	52·7	1·1	2·1	·338	·342	92	86	—	—
	Castlebay – –	38	29·737	– ·053	49·3	56·3	52·8	+0·4	44	10th, 12th	60	21st, 29th	51·9	53·7	1·8	2·2	·339	·352	88	86	—	—
Mainland.	¶ Wick – –	80	29·711	– ·045	46·5	58·2	52·4	+0·5	35	4th	70	17th	50·7	51·8	1·3	1·6	·337	·343	91	88	—	—
	¶ Lairg – – §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ **Strathpeffer** – –	210	29·588	—	46·8	59·2	53·0	+1·2	39	4th	69	17th	52·7	52·1	2·2	2·1	·339	·334	86	85	—	—
	¶ **Glencarron** – §	504	29·269	—	46·4	57·8	52·1	+0·6	40	4th, 11th	71	29th	52·6	50·3	2·7	1·7	·326	·321	81	88	—	—
	¶ § **Fort Augustus** §	78	29·742	—	47·5	58·9	53·2	−0·1	36	5th, 12th	69	19th	52·4	53·1	1·5	1·9	·353	·351	90	86	—	—
	¶ **Fort William** – §	38	29·782	—	48·5	59·1	53·8	+0·1	35	4th, 12th	67	19th, 29th	53·9	52·6	2·4	1·7	·349	·350	85	88	—	—
	Dunrobin Castle §	16	29·795	—	48·2	57·8	53·0	+0·4	39	2nd, 5th	68	17th	52·8	52·2	2·5	1·9	·338	·347	84	87	54·1	—
	District Value –				**47·0**	**57·6**	**51·9**	**+0·2**	**35**		**71**											
1. SCOTLAND, E.																						
	¶ § Nairn – –	82	29·698	– ·065	45·6	59·8	52·7	−0·2	36	5th	72	17th, 19th	51·0	55·1	1·9	2·8	·326	·356	87	82	—	—
	¶ **Gordon Castle** §	107	29·696	—	47·1	60·5	53·8	+0·5	36	4th	74	17th	54·8	53·3	3·0	2·0	·348	·348	81	85	—	—
	¶ § **Aberdeen** – –	90	29·736 29·727	– ·051 – ·053	47·8	57·1	52·5 52·6	−0·5 +0·2	37	5th	66	17th	53·4	51·9	2·4	1·7	·342	·341	84	88	—	52·3
	Tillypronie – §	1120	28·644	—	44·0	57·3	50·7	+1·1	34	5th	72	30th	50·9	48·6	1·8	1·3	·333	·317	88	91	—	—
	¶ *Balmoral* – – §	927	—	—	42·4	56·8	49·6	−0·2	27	5th	66	14th	51·0	—	—	—	—	—	—	—	—	—
	Dundee – – §	164	29·666	—	47·2	58·6	52·9	−0·7	36	5th, 12th	68	30th	53·2	51·8	1·3	0·9	·376	·366	91	94	—	—
	¶ **Crieff** – – §	436	29·370	—	47·0	58·7	52·9	−0·5	36	5th	65	19th	52·9	52·1	2·2	1·6	·341	·347	86	89	—	—
	¶ Leith – – –	37	29·775	– ·080	49·4	60·8	55·1	+0·2	40	5th	72	30th	53·4	56·9	2·0	2·8	·353	·381	87	83	—	—
	¶ § **Marchmont** – §	500	29·306	—	46·4	58·8	52·6	+0·1	35	5th	71	30th	53·8	51·3	2·2	1·6	·353	·337	85	89	53·2	—
	District Value –				**46·3**	**58·7**	**52·2**	**−0·1**	**27**		**74**											
2. ENGLAND, N.E.																						
	§ **Cockle P'rk (Morpeth)**	331	29·503	—	47·4	60·2	53·8	—	37	5th	74	30th	54·6	52·1	2·5	1·4	·366	·359	84	90	52·4	52·8
Northern Part.	¶ Shields – – –	117	29·745	– ·074	47·6	61·4	54·5	+0·2	38	13th	78	30th	52·9	57·1	1·7	3·4	·353	·368	88	79	—	—
	Seaham – –	138	29·718	—	50·0	61·1	55·6	+1·1	41	5th	77	30th	56·3	53·6	2·9	1·9	·377	·366	81	87	—	—
	¶ § **Durham** – –	352	29·496	—	48·2	61·4	54·8	+0·7	35	5th	76	30th	56·1	53·8	2·7	1·8	·378	·373	83	88	—	—
	Whitby – –	145	29·717	—	49·7	66·2	58·0	+3·0	37	5th	81	30th	58·5	55·1	3·6	2·0	·390	·385	79	87	—	—
	¶ **Rounton** – M	245	29·624	—	47·7	61·7	54·7	+1·1	36	12th	77	30th	55·3	53·1	2·7	1·5	·361	·362	83	90	55·3	—
	¶ § **Scarborough** – M	100	29·748	—	50·2	63·1	56·7	+1·5	41	13th	77	30th	55·8	55·2	2·9	2·4	·365	·368	81	85	—	56·4*
	¶ § **York** – – –	53	29·863	—	48·4	63·9	56·2	+0·7	36	12th	80	30th	56·3	54·7	2·7	2·1	·377	·369	83	86	55·4	55·0
	Hull – – –	2	29·908	—	48·4	63·7	56·1	+0·8	37	12th	78	30th	57·0	55·0	3·1	2·0	·374	·375	80	87	54·1	54·9
Southern Part.	¶ Spurn Head – –	28	29·867	+ ·050	50·5	61·1	55·8	+1·0	45	5th	73	30th	53·2	56·7	1·7	2·4	·358	·389	89	85	—	—
	§ Skegness – –	16	29·911	+ ·043	47·8	61·5	54·7	—	37	13th	73	30th	51·9	58·1	1·1	3·0	·357	·395	93	81	—	—
	¶ **Lincoln** – –	42	—	—	47·3	64·2	55·8	−0·5	31	12th	80	30th	56·6	55·5	2·9	2·3	·384	·384	82	85	55·8	55·7
	District Value –				**48·4**	**62·4**	**55·1**	**+0·8**	**31**		**81**										**54·6**	**54·6**
3. ENGLAND, E.																						
Northern Part.	¶ § **Cromer** – –	139	29·798	—	49·5	63·4	56·5	—	41	13th	77	30th	57·1	54·4	2·7	1·9	·387	·370	82	88	—	—
	¶ § **Hillington** – M	92	29·848	—	47·0	63·2	55·1	−1·1	32	13th	78	30th	57·0	53·2	2·7	1·4	·386	·366	83	90	—	—
	¶ **Norwich** – –	93	—	—	49·1	64·2	56·7	—	37	13th	77	30th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	29·908	– ·010	49·3	62·3	55·8	−1·1	37	14th	71	7th	53·1	58·4	1·8	3·8	·354	·378	87	77	57·2	58 6
	Lowestoft – M	75	29·886	—	50·1	62·9	56·5	−0·6	38	13th	73	19th	59·3	54·3	3·9	1·6	·386	·375	76	89	57·4	57·8
	¶ § **Geldeston** – –	47		—	48·1	65·0	56·6	−0·2	35	13th	78	19th									—	—
Southern Part.	¶ § **Cambridge** – –	43	29·915	—	47·4	64·8	56·1	−1·0	34	12th	77	30th	57·6	54·4	3·4	1·8	·383	·382	80	89	56·5	57·3
	Woburn – –	294	29·679	—	47·2	63·4	55·3	—	35	13th	78	30th	56·2	54·1	2·9	2·1	·375	·368	82	86	—	—
	Bennington – M	411	29·572	—	47·1	63·4	55·3	−1·2	37	13th	76	30th	56·3	52·9	3·2	1·7	·362	·355	80	89	56·6	57·0
	¶ § Clacton – –	62	29·913	+ ·006	49·9	62·8	56·4	−1·5	39	13th	69	19th	54·3	58·0	1·6	3·0	·377	·393	89	81	57·3	58·3
	Berkhamsted – M	397	29·573	—	46·4	63·9	55·2	−1·1	35	13th	78	30th	55·1	52·8	2·3	1·5	·369	·358	85	90	56·5	—
	District Value –				**48·4**	**63·7**	**55·7**	**−0·2**	**32**		**78**										**57·2**	**58·0**
4. MIDLAND COS.																						
	Garforth – –	198	—	—	45·1	63·2	54·2	—	30	12th, 13th	80	30th	55·7	53·1	2·7	2·5	·372	·346	83	84	53·6	52·9
	Huddersfield – –	411	29·474	—	48·4	61·5	55·0	—	36	12th	79	30th	54·2	53·5	2·3	1·7	·362	·369	85	89	54·7	54·4
	Wakefield – M	100	29·797	—	48·7	63·9	56·3	+1·4	40	3rd	79	30th	55·5	56·3	3·1	2·9	·355	·370	81	82	—	—
	Belvoir Castle –	276	29·651	—	48·0	62·6	55·3	−0·5	36	12th	77	30th	55·7	53·3	2·4	1·3	·376	·370	85	91	—	55·3*
Eastern Part.	*Coventry* – –	309	29·620	—	47·9	63·7	55·8	−0·4	37	13th	77	30th	55·0	—	2·5	—	·362	—	84	—	55·4	56·0
	¶ § Nottingham – –	85	29·829	– ·050	46·5	63·0	54·8	−1·1	35	12th	78	30th	51·1	57·1	0·9	2·3	·352	·398	93	85	54·3	55·6
	¶ § **Birmingham** – –	542	29·373	—	48·4	60·8	54·6	−0·9	38	12th	77	30th	51·8	53·7	1·3	2·3	·349	·359	90	85	52·1	52·4
	¶ § Oxford – –	212	29·781 29·749	– ·006 – ·002	47·5	62·9	55·2	−1·4	39	5th, 13th	78	30th	53·2 55·6	55·2 —	1·9 3·0	— —	·352 ·360	— —	87 81	— —	— —	— —
	¶ § Bath – –	84	29·903	– ·015	47·3	63·2	55·3	−1·2	35	13th	78	30th	52·8	58·5	1·5	—	·358	—	89	—	57·8	59·3
	¶ **Shrewsbury** – –	212	29·714	—	47·7	62·3	55·0	−1·3	32	12th	79	30th	55·1	53·5	2·0	1·2	·383	·383	87	92	—	—
	Buxton – – M	997	28·872	—	46·1	59·1	52·6	0·0	31	12th	76	30th	53·2	51·1	2·4	1·4	·340	·338	84	90	53·5	53·1
Western Part	§ **Sheffield** – –	450	29·449	—	49·0	62·0	55·5	−0·6	39	12th	80	30th	55·2	54·4	2·6	2·0	·368	·375	84	87	54·4	54·2
	Stokesay – –	375	29·552	—	46·1	62·0	54·1	—	33	13th	77	30th	55·2	51·7	2·6	1·4	·363	·347	84	90	—	—
	Cheltenham – M	206	29·766	—	49·3	62·6	56·0	+0·4	37	13th	78	30th	57·0	55·2	3·3	2·6	·369	·362	79	83	—	—
	District Value –				**47·2**	**62·3**	**54·4**	**−0·4**	**30**		**80**										**54·4**	**54·5**

For notes see p. lxxxix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of SEPTEMBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day	Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Gale (Force 8 and above).	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
—	—	—	—	8·3	8·3	2·75	−0·57	0·42	20th	23	0	0	0	0	18	5	—	0	12	5	9	6	7	8	10	1	9	5	Sumburgh Head.
65	−44	17	−12	8·6	7·9	3·68	+0·42	1·32	8th	17	0	0	0	0	19	3	—	0	28	3	5	3	2	**16**	12	3	6	**10**	Deerness.
78	−36	21	− 9	8·6	7·8	6·31	+2·23	1·85	8th	28	0	0	0	0	21	3	—	1	24	9	9	5	3	3	8	10	5	8	Stornoway.
121	—	32	—	8·3	7·9	5·83	—	1·05	8th	19	0	0	0	0	19	4	—	0	**29**	2	6	13	5	7	2	10	6	9	Castlebay (Barra Isd.)
—	—	—	—	8·7	8·2	4·74	+2·15	1·90	8th	22	0	0	0	0	19	4	—	0	14	2	10	9	3	8	**17**	4	6	1	Wick.
—	—	—	—	—	—	4·64	+1·73	1·35	7th	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
55	−61	15	−16	8·9	6·4	4·06	+1·51	1·51	8th	21	0	0	0	0	*15*	0	—	1	7	**26**	4	5	4	0	2	9	6	4	Strathpeffer.
—	—	—	—	9·0	7·4	11·06	+2·62	1·90	6th	25	0	0	0	0	19	2	—	0	*1*	0	**16**	0	**23**	0	0	0	**21**	0	Glencarron.
98	−24	15	− 7	9·3	7·8	5·59	+1·71	1·09	8th	25	0	0	1	0	19	**6**	—	0	18	9	3	**17**	3	0	7	18	*2*	1	Fort Augustus.
—	—	—	—	8·9	8·5	8·30	+0·97	1·28	5th	26	0	0	1	0	**22**	3	—	1	8	16	0	0	6	1	2	**19**	6	1	Fort William
—	—	—	—	—	—	3·59	+1·08	1·16	8th	16	0	0	0	—	—	0	—	0	—	6	8	4	18	6	1	8	5	4	Dunrobin Castle.
64	**−37**	**17**	**−10**	**8·7**	**7·8**	**6·20**	**+1·64**	**1·90**		**24**																			
67	—	18	—	8·1	7·5	4·57	+2·20	1·42	8th	22	0	0	0	0	*13*	*1*	—	0	*3*	**24**	6	5	8	0	0	3	12	2	Nairn.
—	—	—	—	8·7	7·5	4·35	+1·77	0·84	9th	20	0	0	0	0	17	3	—	0	6	0	5	5	2	**19**	5	12	*3*	9	Gordon Castle.
67	−56	18	−15	8·8	7·1	3·33	+0·62	0·56	7th	21	0	0	0	0	17	5	—	0	7	8	*1*	*2*	2	11	12	8	6	10	Aberdeen.
—	—	—	—	8·3	7·1	3·99	+1·30	0·78	7th	26	0	0	0	0	15	9	0	**8**	**50**	0	7	3	0	12	5	11	7	**15**	Tillypronie.
—	—	—	—	8·7	—	3·01	−0·07	0·74	7th	18	0	0	0	0	20	4	**5**	0	6	0	12	10	6	4	2	0	**20**	6	Balmoral.
—	—	—	—	8·9	9·0	4·80	+2·36	1·48	7th	24	0	0	0	0	**23**	3	—	1	6	0	*1*	**15**	3	8	0	16	8	9	Dundee
—	—	—	—	8·5	7·8	5·55	+2·27	1·05	7th	23	0	0	1	**2**	20	**10**	—	0	11	0	10	*2*	**21**	2	0	9	15	*1*	Crieff.
—	—	—	—	7·6	7·7	2·72	+0·67	0·37	20th	23	0	1	1	1	19	4	—	0	7	2	2	7	11	5	2	**17**	7	7	Leith.
62	−55	16	−15	7·8	7·4	2·86	−0·10	0·59	20th	23	0	0	0	**2**	18	5	1	0	6	0	**14**	3	6	4	**15**	3	11	4	Marchmont.
63	**−56**	**17**	**−15**	**8·4**	**7·6**	**3·98**	**+1·61**	**1·48**		**22**																			
106	—	28	—	7·3	7·0	3·23	+0·82	0·57	1st	24	0	0	0	0	14	2	**4**	**3**	15	9	5	5	1	**9**	2	11	8	10	Cockle Park (Morpeth).
—	—	—	—	7·9	8·2	1·67	−0·36	0·23	22nd	22	0	0	1	0	**17**	4	—	0	10	1	8	3	3	8	13	12	7	5	Shields.
—	—	—	—	6·9	6·7	1·64	−0·50	0·31	16th	17	0	0	**3**	2	15	2	—	0	15	6	2	*1*	3	1	15	14	13	5	Seaham.
92	−26	24	− 7	8·1	6·7	1·65	−0·50	0·41	20th	20	0	0	2	4	**17**	0	0	1	8	13	4	*1*	3	0	14	11	9	5	Durham.
130	—	35	—	5·0	5·3	1·83	−0·25	0·31	2nd	19	0	1	1	**6**	9	4	—	1	0	1	1	**7**	0	4	*1*	**36**	*1*	9	Whitby.
—	—	—	—	7·5	6·4	2·63	+0·24	0·54	20th	22	0	0	1	3	**17**	3	0	1	7	12	3	4	0	1	13	18	5	4	Rounton.
131	—	35	—	7·9	8·6	2·00	−0·32	0·25	21st	20	0	0	0	0	16	**6**	0	0	20	0	4	5	0	6	2	29	*1*	**13**	Scarborough.
119	− 1	32	0	6·2	5·5	1·86	−0·35	0·46	18th, 22nd	16	0	0	1	5	11	1	—	0	6	1	**9**	2	1	5	**25**	*6*	8	*3*	York.
99	—	26	—	7·9	5·2	1·99	−0·21	0·43	22nd	18	0	1	2	3	12	1	0	0	4	**23**	4	3	0	0	3	12	12	*3*	Hull.
—	—	—	—	6·9	6·2	2·13	+0·34	0·74	22nd	18	0	0	1	1	11	**6**	—	0	**25**	1	4	3	2	6	16	17	*6*	5	Spurn Head.
146	—	39	—	4·8	5·3	1·79	—	0·50	23rd	14	0	0	0	2	*4*	0	—	0	5	0	2	3	2	4	6	19	**19**	5	Skegness.
—	—	—	—	7·3	4·4	1·55	−0·46	0·30	3rd	14	0	0	1	2	9	0	—	0	1	8	0	4	**9**	5	6	16	9	*3*	Lincoln.
120	**−14**	**32**	**− 4**	**7·0**	**6·3**	**1·90**	**−0·06**	**0·74**		**19**																			
146	—	39	—	7·2	6·1	1·99	—	0·40	21st	18	0	0	0	1	**12**	1	—	0	**24**	1	3	**4**	2	5	10	18	11	6	Cromer.
129	−10	34	− 3	7·2	5·3	1·88	−0·64	0·59	22nd	14	0	0	**3**	1	9	0	**2**	0	8	0	**4**	3	**4**	3	5	**28**	8	5	Norwich.
—	—	—	—	—	—	2·91	—	1·50	23rd	15	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Yarmouth.
162	—	43	—	6·4	6·4	1·88	−0·53	0·46	21st	15	0	1	2	0	*4*	2	—	1	9	0	1	**4**	3	5	8	17	17	5	Lowestoft.
166	—	44	—	5·2	4·3	1·54	−0·75	0·56	21st	11	0	0	2	**7**	5	0	0	**3**	9	4	3	2	3	4	4	*9*	**21**	**10**	Geldeston.
150	− 5	40	− 2			1·27	−1·04	0·27	21st	12																			
151	+ 4	41	+ 1	5·8	4·2	1·35	−0·65	0·33	11th, 23rd	14	0	0	2	6	*4*	**7**	0	1	9	8	0	3	0	**8**	4	26	*4*	7	Woburn.
—	—	—	—	7·1	5·9	1·88	—	0·59	3rd	18	0	0	0	3	11	0	—	2	13	9	2	2	2	3	8	19	13	2	Bennington.
—	—	—	—	6·8	5·6	1·37	−0·90	0·35	24th	19	0	0	2	4	7	**7**	**2**	0	4	**19**	0	*1*	2	4	*3*	20	10	*1*	Clacton.
177	—	47	—	5·6	6·0	0·65	—	0·17	3rd	12	0	0	1	2	8	0	0	2	11	2	**4**	*1*	**4**	7	**11**	10	14	7	Berkhamsted
158	—	37	—	6·9	5·2	1·97	−0·40	0·54	3rd	15	1	**2**	**3**	2	9	2	1	0	*1*	17	2	2	2	*1*	7	14	11	4	
154	**+ 4**	**41**	**+ 1**	**6·5**	**5·4**	**1·61**	**−0·37**	**1·64**		**15**																			
101	—	27	—	7·9	5·2	1·93	—	0·36	18th	17	0	0	**2**	4	11	0	—	0	*1*	16	4	4	1	2	6	12	**15**	0	Garforth.
93	—	25	—	7·4	5·7	2·77	—	0·99	20th	16	0	0	**2**	4	15	0	1	0	12	11	4	4	3	3	8	12	12	3	Huddersfield
—	—	—	—	6·4	5·5	2·35	+0·25	0·60	3rd	13	0	0	1	**5**	11	0	—	1	2	5	5	4	6	2	*3*	24	9	2	Wakefield.
126	—	34	—	6·8	5·5	1·48	−0·80	0·43	3rd	20	0	0	1	3	9	**6**	0	1	10	6	2	3	2	1	14	18	5	9	Belvoir Castle
107	—	29	—	8·2	—	1·45	−0·92	0·29	3rd	16	0	0	1	1	**20**	0	0	1	**18**	2	2	2	2	0	**18**	24	6	4	Coventry.
104	—	28	—	7·3	6·2	1·25	−0·89	0·34	3rd	15	0	0	1	0	11	3	0	1	8	0	2	2	**9**	4	10	15	**15**	3	Nottingham.
88	—	24	—	7·7	5·0	2·10	−0·27	0·40	11th	16	0	0	**2**	3	11	0	**4**	0	3	6	3	4	1	3	14	17	9	3	Birmingham
124	−21	33	− 6	6·5	5·9	1·52	−0·59	0·38	3rd	15	0	**2**	**2**	3	10	3	0	1	10	3	**6**	2	2	5	14	15	12	1	Oxford.
				6·7	—	1·65	−0·91																						
155	—	41	—	7·4	4·5	2·18	−0·56	0·55	3rd	14	—	—	—	2	9	—	—	—	5	0	1	**10**	4	5	*3*	18	10	9	Bath.
—	—	—	—	7·8	4·8	1·77	—	0·43	20th	18	0	0	0	3	9	1	0	1	5	4	0	*1*	1	**15**	8	14	7	**10**	Shrewsbury.
103	—	27	—	7·7	5·4	3·38	−0·79	0·85	9th	19	0	1	1	3	*8*	2	2	0	**18**	13	1	3	3	2	8	20	*4*	6	Buxton.
109	—	29	—	7·5	6·4	1·53	−1·05	0·48	3rd	17	0	0	1	0	12	4	0	0	4	12	3	4	1	3	9	18	*4*	6	Sheffield.
—	—	—	—	8·6	5·7	2·19	—	0·60	23rd	13	0	0	0	1	14	0	2	1	9	**17**	2	4	0	3	11	*11*	9	3	Stokesay.
116	—	31	—	6·6	4·5	1·48	−0·97	0·34	25th	15	0	0	1	**5**	9	0	0	1	9	2	1	*1*	0	8	10	**25**	10	3	Cheltenham.
111	**−21**	**30**	**− 5**	**7·4**	**5·4**	**1·90**	**−0·16**	**1·15**		**16**																			

TABLE XVII. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. at STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
5. ENGLAND, S.E.	Reading	264	29·699	—	47·0	63·5	55·3	—	36	13th	77	30th	55·5	53·4	2·3	1·5	·376	·366	85	90	—	—
	Salisbury	186	29·787	—	46·4	63·6	55·0	−1·5	35	13th	78	30th	56·1	52·3	1·5	0·9	·407	·368	90	94	57·3	—
	Dover	231	29·742	+·010	50·1	62·9	56·5	—	39	13th	75	18th	54·4	57·4	1·5	3·0	·381	·384	90	81	56·3	56·0
	Brighton	48	29·949	—	50·7	63·2	57·0	−1·6	40	13th	69	19th	59·1	—	3·5	—	·395	—	79	—	—	59·3
§	Eastbourne	36	29·971	—	50·9	62·9	56·9	−1·7	39	13th	68	8th	58·9	56·2	3·0	1·5	·412	·414	82	90	53·8	59·2
	Portsmouth	18	29·985	—	51·0	63·7	57·4	−1·1	42	13th	70	19th, 30th	58·2	—	3·2	—	·390	—	80	—	58·0	59·5
¶	Dungeness	21	29·947	−·007	49·7	63·5	56·6	−1·9	40	12th, 13th	70	18th, 19th	54·7	59·4	1·8	2·8	·377	·419	88	84	—	—
¶	Hastings	174	29·815	—	51·2	63·5	57·4	−0·8	42	12th	72	19th	59·5	55·6	3·4	1·6	·404	·396	80	89	59·6	59·1
¶ §	Southampton	84	29·922	—	49·3	63·6	56·5	−1·8	39	13th	74	30th	57·7	54·6	2·8	1·1	·399	·401	83	93	—	—
¶ §	*Ventnor*	80	29·897	—	53·0	63·4	58·2	−1·2	45	12th	69	30th	58·9	—	3·5	—	·392	—	78	—	—	—
	District Value				**49·0**	**63·5**	**56·0**	**−1·2**	**29**		**82**										**57·4**	**58·0**
LONDON	Tottenham	55	29·918	—	48·7	65·1	56·9	−0·8	39	13th	77	30th	58·0	56·0	3·4	2·0	·391	·397	80	87	—	58·8
	Camden Square	123	29·866	—	49·0	66·4	57·7	−0·8	39	13th	79	30th	57·3	55·8	2·9	1·7	·385	·396	82	89	56·0	56·8
	Westminster	54	29·912	−·016	48·9	64·6	56·8	−1·1	40	13th	77	30th	52·7	59·1	1·2	3·1	·365	·406	92	81	—	—
	Greenwich	159	29·818	—	47·7	66·4	57·0	−1·2	36	13th	80	30th	58·1	54·0	3·6	1·7	·379	·368	78	88	—	57·9
			29·807	−·004	—	—	56·5	−0·8														
	Norwood	235	29·764	—	48·1	65·2	56·7	−0·9	39	13th	77	30th	58·5	53·7	3·8	1·4	·378	·373	77	90	56·4	—
¶ §	Kew	34	29·960	−·003	48·1	64·1	56·1	−1·0	37	13th	76	30th	56·2	55·0	2·8	1·9	·372	·378	82	88	56·3	56·4
			29·949	−·003			55·9	−0·8														
	Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	Laudale	25	29·790	—	48·5	60·1	54·3	+0·6	35	12th	67	21st	55·7	54·2	2·0	1·5	·390	·382	87	90	—	—
	Poltalloch	135	29·689	—	47·7	59·1	53·4	−0·7	32	12th	65	21st	54·1	51·3	2·2	1·9	·356	329	84	87	—	—
¶ §	Glasgow	184	29·643	—	49·9	58·9	54·4	+1·2	38	12th	67	30th	54·4	53·8	2·4	1·9	·363	·369	84	87	—	—
¶	Rothesay	76	29·751	—	49·6	59·4	54·5	+0·6	36	12th	64	17, 19, 20th	54·2	53·6	1·4	2·0	·380	·365	91	86	—	53·4
¶	*Colmonell*	140	29·716	—	47·3	60·0	53·7	−0·2	30	12th	66	30th	55·3	—	2·2	—	·375	—	86	—	—	—
6. ¶	Dumfries	60	29·810	—	48·3	61·5	54·9	+0·2	35	5th, 12th	70	21st	54·9	53·9	2·4	2·0	·364	·359	85	87	—	—
¶	Cally	120	—	—	46·4	59·9	53·2	0·0	32	5th, 12th	66	30th	55·9	52·4	1·9	1·9	·392	·343	88	88	—	—
ISLE OF MAN ¶ §	Douglas	284	29·592	—	50·0	58·0	54·0	−0·3	40	12th	64	30th	54·4	53·3	1·7	1·4	·380	·373	89	91	—	—
	District Value				**48·4**	**59·8**	**53·8**	**+0·6**	**30**		**70**											
	Southport	42	29·875	—	50·1	62·0	56·1	+0·8	34	12th	76	30th	56·2	55·0	2·7	1·8	·375	·381	83	88	56·7	57·5
	Manchester (City)	195	29·716	—	51·6	61·8	56·7	—	40	12th	78	30th	55·8	56·5	2·6	2·8	·376	·382	83	82	55·3	56·6
	,, (Whitworth P'k)	127	29·776	—	49·8	62·4	56·1	—	36	12th	79	30th	55·8	55·2	2·5	1·9	·375	·381	84	87	—	—
¶ §	Aspatria	254	29·614	—	48·8	60·9	55·9	+1·2	39	3rd	72	29th, 30th	55·6	53·1	2·3	1·4	·382	·372	85	91	—	—
ENGLAND, N.W. ¶ §	Newton Rigg	559	29·268	—	47·1	60·1	53·6	+0·7	33	12th	72	30th	53·0	52·7	1·3	1·3	·366	·362	91	91	54·9	54·3
¶ §	Stonyhurst	363	29·532	—	48·5	59·4	54·0	−0·5	35	12th	74	30th	54·6	54·1	2·5	2·5	·364	·359	84	84	—	—
¶ §	Blackpool	73	29·832	—	49·6	61·4	55·5	0·0	33	12th	75	30th	57·1	55·0	2·5	1·5	·393	·389	84	90	—	55·0
	Darwen	710	29·143	—	46·8	59·2	53·0	—	36	12th	74	30th	54·3	52·4	2·1	1·4	·368	·363	86	91	54·7	53·9
7. ¶	M'nch't'r (Prestwich)	320	29·571	—	48·3	62·0	55·2	+0·3	34	12th	79	30th	54·9	54·3	1·8	1·8	·379	·371	89	88	—	—
¶	Liverp'l, Bidston Obs.	197	29·698	—	51·0	60·6	55·8	−0·3	44	12th	76	30th	55·5	55·5	3·0	2·9	·357	·360	81	82	—	—
NORTH WALES ¶ §	Llandudno	21	29·891	—	51·4	62·3	56·9	−0·1	41	12th	77	30th	57·8	56·6	3·6	3·3	·375	·365	78	79	—	—
¶	Holyhead	48	29·836	−·067	50·9	59·8	55·4	−1·1	46	3, 10, 11th	67	29th, 30th	54·4	56·4	1·3	2·1	·386	·393	92	87	—	—
¶ §	Bettws-y-Coed	100	29·786	—	47·6	62·3	55·0	−1·6	36	5th, 12th	78	30th	56·1	52·6	2·4	1·0	·382	·369	84	93	53·6	53·8
	District Value				**49·2**	**61·1**	**54·9**	**0·0**	**33**		**80**										**55·0**	**55·2**
SOUTH WALES ¶ §	*Llangammarch Wells*	585	29·339	—	45·5	60·3	52·9	−1·6	28	12th	77	30th	53·7	—	1·5	—	·370	—	89	—	54·1	54·2
¶ §	Pembroke	150	29·757	−·048	52·3	59·2	55·8	−1·0	44	12th	65	30th	55·0	56·4	1·3	1·7	·395	·405	91	89	—	—
	Clifton	229	—	—	50·8	62·7	56·8	−0·9	42	5th	77	30th	—	—	—	—	—	—	—	—	—	—
8 ¶	Portland Bill	23	29·950	−·022	54·2	60·9	57·6	−1·7	46	12th	66	7th, 30th	57·1	58·4	1·4	1·6	·424	·439	90	90	—	—
¶ §	Plymouth	116	29·878	—	51·8	62·1	57·0	−0·7	39	13th	76	29th	57·9	56·2	2·3	2·3	·416	·391	86	86	57·6	—
ENGLAND, S.W. ¶ §	Falmouth	183	29·816	+·015	51·2	60·7	56·0	−1·4	45	13th	66	28th	56·8	54·4	2·2	1·5	·397	·381	86	90	—	—
			29·807	+·014			55·7	−1·5														
	Woolacombe	79	29·862	—	53·5	62·8	58·2	−1·5	46	3rd, 5th	79	30th	58·3	57·1	2·6	2·1	·409	·404	84	87	—	—
	Rousdon	516	29·444	—	49·3	59·9	54·6	—	39	13th	67	30th	55·0	54·7	1·6	1·6	·385	·381	89	89	57·0	57·5
	Whitchurch	595	29·356	—	48·4	60·6	54·5	—	37	12th	74	30th	55·6	52·0	1·5	0·9	·399	·364	90	94	56·4	—
	District Value				**50·0**	**61·3**	**55·4**	**−0·8**	**28**		**79**										**56·3**	**56·1**
9 IRELAND, N.	Malin Head	230	29·530	−·092	49·3	58·3	53·8	−1·0	43	11th	66	29th, 30th	52·8	55·1	0·7	1·1	·380	·402	95	92	—	—
Western Part. ¶	Blacksod Point	41	29·783	−·083	49·5	58·7	54·1	−1·5	44	5th, 12th	67	28th	54·6	55·7	2·2	2·4	·364	·376	86	85	—	—
¶ §	Markree Castle	127	29·715	—	46·1	59·9	53·0	−0·7	33	24th	67	30th	55·0	52·3	2·1	1·2	·378	·367	87	92	—	—
¶	Donaghadee	40	29·807	−·075	48·8	58·8	53·8	−0·9	40	5th	65	7th	52·3	56·0	1·3	2·5	·357	·378	91	84	—	—
Eastern Part. ¶ §	Armagh	202	29·636	—	48·1	60·9	54·5	+0·7	38	12th	71	30th	55·0	52·2	2·0	1·7	·381	·354	87	89	55·9	55·7
	Belfast	55	29·806	—	48·7	59·6	54·2	—	36	12th	70	30th	55·0	53·3	2·1	1·3	·376	·376	86	92	—	—
	District Value				**48·4**	**59·3**	**53·6**	**−0·3**	**33**		**71**											
10. IRELAND, S. §	Dublin (Phœnix P'k)	159	29·725	—	46·8	61·2	54·0	0·0	35	12th	71	30th	55·9	52·9	1·7	1·0	·402	·381	89	93	—	—
Eastern Part.	,, (Trinity Coll'ge)	17	29·866	—	50·3	62·2	56·3	—	39	12th	76	30th	57·2	55·2	3·2	2·4	·383	·377	81	84	56·1	56·2
¶	,, (City)	53	29·827	—	50·6	61·3	56·0	+0·1	39	12th	74	30th	55·8	54·7	2·4	1·9	·382	·380	85	88	—	—
¶	*Waterford*	100	—	—	49·2	60·1	54·7	−0·8	38	12th	65	6th, 7th	—	—	—	—	—	—	—	—	—	—
¶ §	Birr Castle	173	29·682	—	48·0	60·5	54·3	−0·3	34	12th	68	18th	55·8	53·3	1·5	1·3	·406	·377	90	91	—	—
¶	*Killarney*	174	—	—	49·4	63·6	56·5	+0·4	34	5th	71	6th	—	—	—	—	—	—	—	—	—	—
Western Part. ¶ §	Valencia	62	29·852	−·075	50·9	59·7	55·3	−1·3	41	21st	65	27th	55·7	54·7	1·7	1·6	·395	·382	89	90	—	—
			29·843	−·077			55·6	−0·8														
¶	Roche's Point	42	29·868	−·055	50·3	58·9	54·6	−2·0	43	5th, 12th	63	20th	53·1	56·1	0·8	2·0	·382	·393	94	87	—	—
	District Value				**49·5**	**60·8**	**54·9**	**−0·3**	**34**		**76**											
11. ENGLISH CHANNEL ¶ §	Scilly	20	29·954	−·017	53·9	61·2	57·6	−1·0	50	11, 12, 13th	65	17th	56·2	58·0	1·9	2·3	·396	·413	88	85	—	—
¶ §	Jersey	36	29·993	+·034	52·8	64·5	58·7	−1·7	42	14th	75	30th	56·5	60·2	2·5	4·0	·384	·399	84	76	—	—
	Guernsey (Brooklyn)	311	29·712	—	53·0	63·0	58·0	−1·5	46	12th	73	30th	58·7	56·6	3·5	2·8	·394	·381	79	82	59·1	59·9
	District Value				**53·3**	**63·4**	**58·2**	**−0·8**	**42**		**77**											

For notes see p. lxxxix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of SEPTEMBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
147	—	39	—	7·3	5·8	1·54	−0·48	0·52	3rd	15	0	0	1	1	10	0	—	1	*4*	**18**	1	5	1	*1*	9	20	3	*2*	Reading.
—	—	—	—	7·2	5·3	2·11	−0·35	0·58	3rd	19	0	0	0	1	8	4	0	0	7	1	4	1	0	6	**12**	*9*	15	12	Salisbury.
183	—	49	—	5·3	7·1	1·79	—	0·55	3rd	16	0	0	**3**	3	12	0	0	1	6	0	5	1	2	4	6	22	13	7	Dover.
164	−1	44	0	6·7	—	1·57	−0·82	0·45	3rd	14	0	0	2	3	**14**	0	0	0	6	10	4	0	2	**14**	2	16	6	6	Brighton.
181	+14	49	+ 4	5·7	4·1	1·96	−0·91	0·60	3rd	18	0	0	1	8	8	0	—	1	*4*	13	**6**	**7**	1	3	1	15	3	11	Eastbourne.
140	—	38	—	6·3	—	1·05	−1·49	0·43	3rd	14	0	0	0	5	12	0	0	0	20	0	4	4	2	10	6	12	10	12	Portsmouth.
—	—	—	—	7·6	7·4	2·28	−0·02	0·45	4th	18	0	1	**3**	0	13	**8**	—	**2**	**24**	0	4	3	**3**	5	4	13	**18**	10	Dungeness.
180	+13	48	+ 3	5·2	3·0	1·78	−0·90	0·61	3rd	14	0	0	2	10	*4*	5	—	**2**	11	6	3	3	**3**	7	6	11	14	7	Hastings.
140	−19	38	− 5	5·7	3·1	1·74	−0·82	0·45	3rd	17	0	0	1	**11**	6	6	1	1	5	0	0	**7**	0	11	0	**27**	*1*	**14**	Southampton.
154	−17	41	− 5	5·9	—	1·77	−1·02	0·44	3rd	17	0	0	1	5	9	0	—	1	10	9	**6**	2	1	5	7	15	12	3	Ventnor.
158	**+ 5**	**42**	**+ 1**	**6·3**	**5·1**	**1·69**	**−0·59**	**0·86**		**16**																			
154	—	41	—	6·7	6·0	1·18	—	0·59	3rd	12	0	0	1	1	8	4	0	0	2	4	3	4	2	9	4	13	9	12	Tottenham.
129	—	34	—	6·1	—	1·27	−0·90	0·67	3rd	14	0	0	1	6	12	1	0	—	—	18	4	4	0	0	2	10	16	6	Camden Square.
137	+20	37	+ 6	4·9	5·8	1·22	−0·84	0·62	3rd	13	0	0	1	4	4	1	0	1	9	5	2	3	1	3	6	24	14	2	Westminster.
165	+10	44	+ 3	6·4	5·2	1·22	−0·93	0·36	3rd	12	0	0	1	4	12	1	4	0	5	5	2	4	2	3	4	15	21	4	Greenwich.
—	—	—	—	5·7	5·2	1·69	−0·42	0·77	3rd	13	0	0	1	4	7	4	0	1	4	12	1	2	2	3	8	18	8	6	Norwood.
144	+ 3	39	+ 1	7·1	4·9	1·39	−0·74	0·86	3rd	15	0	0	1	3	9	0	1	0	5	17	4	1	3	4	5	16	9	1	Kew.
125	+12	33	+ 3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	8·8	8·6	9·88	+2·66	1·95	5th	25	0	0	1	0	**20**	0	—	0	25	**12**	**8**	0	0	*1*	**25**	*4*	*4*	6	Laudale.
—	—	—	—	8·3	7·8	6·45	+1·33	0·84	5th	25	0	0	0	1	19	1	—	1	21	8	**8**	4	1	3	10	14	**11**	*1*	Poltalloch.
63	−37	17	−10	8·8	7·7	4·74	+1·16	0·65	7th	23	0	0	**2**	0	**20**	0	1	0	7	9	3	5	9	3	9	10	8	4	Glasgow.
—	—	—	—	8·3	7·5	8·45	+3·96	1·91	7th	26	0	0	0	**2**	19	2	—	0	14	8	**8**	0	**11**	*1*	11	8	9	4	Rothesay.
—	—	—	—	7·7	—	4·84	+0·78	0·64	16th	19	0	0	1	**2**	18	3	2	0	22	0	0	8	2	**12**	6	16	*4*	12	Colmonell.
—	—	—	—	8·5	7·2	3·58	+0·21	0·72	7th	22	0	0	1	1	18	3	**3**	0	13	0	1	4	7	**12**	4	**16**	5	11	Dumfries.
—	—	—	—	—	—	4·84	+0·71	1·02	8th	20	0	0	0	—	—	0	—	1	14	0	1	**11**	1	11	0	12	10	**14**	Cally.
98	−46	26	−12	8·7	6·8	4·46	+0·75	1·23	16th	19	0	0	0	0	*17*	**5**	0	0	**29**	0	1	4	7	6	9	12	10	11	Douglas.
81	**−44**	**22**	**−11**	**8·4**	**7·6**	**5·82**	**+1·71**	**1·95**		**22**																			
114	−17	30	− 5	7·8	6·7	4·13	+0·93	1·00	8th	17	0	1	2	3	**16**	1	1	0	25	0	4	**5**	4	**14**	12	10	5	6	Southport.
67	—	18	—	—	—	3·30	+0·02	0·87	20th	17	0	1	1	—	—	1	0	0	*2*	1	4	**5**	6	11	16	11	4	2	Manchester (City).
78	—	20	—	8·3	6·6	2·70	—	0·79	20th	15	0	0	1	2	**16**	1	2	0	5	8	2	3	6	10	20	6	*3*	2	„ (Whitworth P'k).
87	—	23	—	7·8	6·4	3·80	−0·09	0·78	16th	19	0	0	1	1	14	0	1	0	12	3	**8**	2	2	2	12	16	7	8	Aspatria.
84	−39	22	−11	7·6	5·6	2·85	−0·22	0·49	26th	20	0	0	1	3	12	3	**3**	1	18	6	1	*1*	5	10	13	15	6	3	Newton Rigg.
84	−43	22	−12	8·4	5·0	5·24	+0·78	0·86	8th	20	0	0	2	2	11	0	**3**	0	4	**27**	1	2	0	0	8	13	5	4	Stonyhurst.
120	− 7	32	− 2	8·5	7·3	3·94	+0·53	0·64	8th	15	0	0	1	0	**16**	0	1	2	21	2	3	2	6	12	6	15	7	7	Blackpool.
85	—	23	—	7·3	6·6	5·54	—	0·75	8th	21	0		1	1	13	0	1	0	18	0	1	2	4	3	**26**	14	*3*	7	Darwen.
84	−27	22	− 8	8·3	5·7	3·88	+0·29	0·87	20th	19	0	0	1	**4**	15	0	0	0	7	9	3	*1*	**8**	2	13	10	13	*1*	Manchester (Prestwich).
110	—	29	—	6·4	6·9	2·73	−0·23	0·49	14th	15	1	**2**	**3**	3	13	1	—	0	13	0	0	3	**8**	13	7	17	10	2	Liverpool, Bidston Obs.
133	+ 4	35	0	7·1	6·9	3·39	+0·63	0·84	8th	19	0	0	1	0	13	0	—	0	3	7	4	3	1	0	*1*	*3*	**38**	3	Llandudno.
—	—	—	—	8·0	6·2	3·97	+1·01	0·94	16th	18	0	1	1	0	13	**4**	—	**6**	**31**	2	5	4	2	1	13	18	6	9	Holyhead.
92	—	25	—	6·9	5·3	4·44	—	1·28	8th	21	0	0	0	2	*6*	0	0	3	9	0	1	4	2	5	*1*	**26**	9	**12**	Bettws-y-Coed.
103	**−25**	**27**	**− 7**	**7·7**	**6·3**	**3·81**	**+0·81**	**1·40**		**18**																			
91	—	24	—	8·4	—	3·47	—	0·53	9th	21	0	0	0	2	**23**	3	**5**	0	4	**18**	*2*	2	0	0	*4*	*2*	**21**	8	Llangammarch Wells.
98	−51	26	−14	7·8	7·1	4·04	+0·94	0·54	16th	21	0	0	0	0	11	5	—	**3**	**41**	0	3	3	1	12	11	13	9	8	Pembroke.
128	—	34	—	—	—	2·50	−0·56	0·45	20th	19	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·1	5·7	1·97	—	0·38	20th	16	0	0	0	1	9	4	—	2	23	1	**5**	2	**5**	5	5	13	14	10	Portland Bill.
142	−13	38	− 4	7·7	5·7	3·24	+0·15	0·60	10th	20	0	0	0	2	11	5	0	0	19	6	*2*	1	3	9	10	10	9	10	Plymouth.
162	+ 2	43	0	6·8	4·3	3·82	+0·06	0·84	21st	19	0	1	0	**4**	*8*	4	—	0	6	10	**5**	0	1	4	8	**17**	8	7	Falmouth.
136	−11	36	− 3	6·7	5·3	1·47	−1·56	0·28	25th	17	0	0	0	3	9	0	—	0	14	3	*2*	**7**	4	7	10	11	7	9	Woolacombe.
125	—	34	—	8·2	5·3	3·03	—	0·46	22nd	23	0	0	1	1	12	**17**	0	2	*2*	0	3	0	1	8	7	14	11	**16**	Rousdon.
—	—	—	—	8·0	5·8	2·64	—	0·40	25th	20	0	1	0	2	11	13	0	2	6	3	4	1	0	**13**	**12**	10	8	9	Whitchurch.
124	**−20**	**33**	**− 6**	**7·5**	**5·6**	**2·99**	**−0·13**	**1·02**		**20**																			
—	—	—	—	7·6	7·6	5·31	+2·36	0·95	7th	25	0	0	1	0	15	0	—	**7**	24	0	6	**4**	**2**	6	**20**	*6*	5	11	Malin Head.
—	—	—	—	7·1	7·0	7·17	+2·91	1·73	8th	24	0	0	0	0	*12*	0	—	3	**33**	0	**9**	**4**	1	5	10	**17**	2	**12**	Blacksod Point.
78	−31	21	− 8	8·9	8·0	7·37	+3·58	2·00	8th	23	0	0	**2**	0	**21**	1	4	0	14	15	5	1	1	**11**	13	*6*	0	8	Markree Castle.
—	—	—	—	8·1	7·9	3·86	+1·02	0·56	16th	24	0	0	0	0	18	1	—	1	16	4	5	3	**2**	9	15	12	**6**	4	Donaghadee.
70	−48	19	−13	8·1	7·0	4·28	+1·41	0·82	19th	21	0	0	0	1	17	0	0	0	*1*	**29**	0	0	0	5	18	8	0	0	Armagh.
—	—	—	—	—	—	4·55	+1·56	0·61	17th	25	0	0	0	—	—	**5**	—	0	*1*	25	4	3	1	0	*5*	12	**6**	4	Belfast.
74	**−39**	**20**	**−10**	**8·0**	**7·5**	**5·60**	**+2·39**	**2·00**		**23**																			
109	−34	29	− 9	8·0	7·8	3·08	+0·86	0·58	8th	20	0	0	0	0	17	0	1	0	6	17	0	2	**6**	*3*	8	16	6	*2*	Dublin (Phœnix Park).
101	—	27	—	6·8	6·1	2·21	—	0·47	8th	15	0	0	0	1	9	0	0	0	*4*	**21**	2	1	0	4	*5*	12	6	9	„ (Trinity College)
—	—	—	—	6·3	6·1	2·31	+0·10	0·46	8th	19	0	0	0	1	*7*	0	0	0	12	*1*	2	**3**	3	5	10	14	**12**	**10**	„ (City).
—	—	—	—	—	—	6·30	+3·12	1·11	7th	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
80	−48	21	−13	8·9	8·7	5·42	+2·66	1·13	19th	20	0	1	0	1	**21**	1	—	0	15	5	1	0	1	**11**	10	**16**	6	**10**	Birr Castle.
—	—	—	—	—	—	5·95	+2·07	0·77	28th	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
102	−28	27	− 8	7·9	7·7	7·77	+3·27	1·34	29th	25	0	0	1	1	17	1	—	1	**26**	7	3	**3**	4	5	**23**	*6*	*2*	7	Valencia.
—	—	—	—	7·3	7·8	5·00	+1·48	1·10	7th	22	0	0	0	0	15	**7**	—	1	24	*1*	**9**	1	3	4	10	15	9	8	Roche's Point.
102	**−31**	**27**	**− 9**	**7·5**	**7·4**	**5·52**	**+2·63**	**1·81**		**24**																			
160	−10	43	− 2	8·6	8·0	3·33	+0·30	1·01	21st	20	0	0	0	0	**21**	**8**	—	1	**31**	0	**4**	0	0	6	**15**	12	*12*	11	Scilly.
184	+ 2	49	0	6·7	5·5	2·58	−0·34	0·93	3rd	20	0	0	0	4	9	2	—	**3**	20	0	0	2	4	**10**	*3*	*6*	**24**	11	Jersey.
171	− 7	46	− 2	5·8	3·4	3·28	+0·11	0·61	3rd	19	0	0	0	**6**	*5*	2	0	1	*11*	4	1	0	0	*3*	13	**15**	17	7	Guernsey (Brooklyn).
174	**− 7**	**47**	**− 2**	**7·0**	**5·6**	**3·04**	**−0·45**	**1·01**		**20**																			

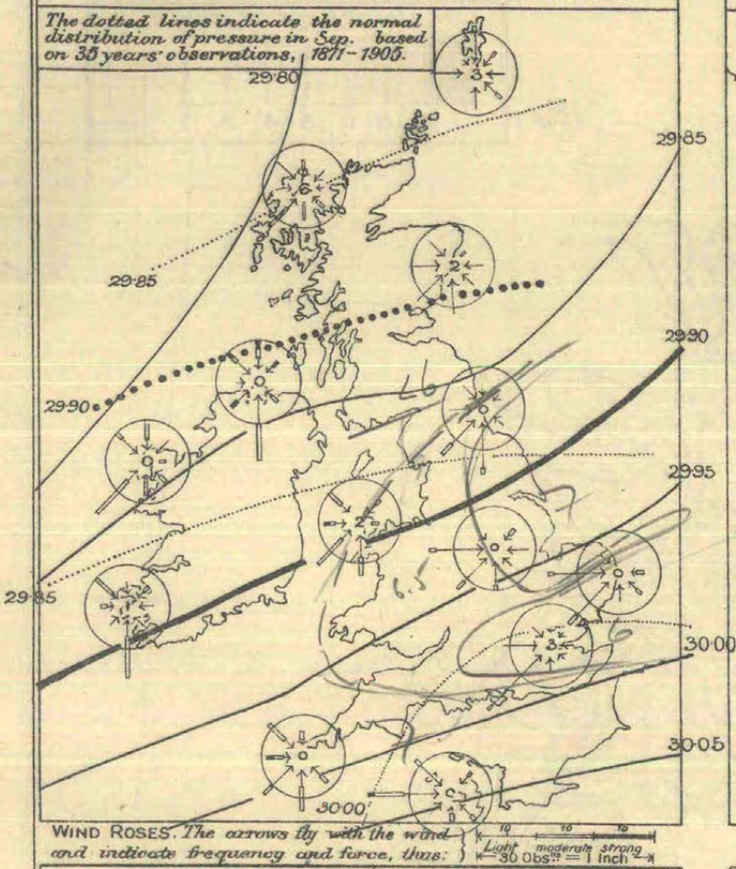
The sunshine entered to Portsmouth is registered at Southsea.

TABLE XVIII.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, SEPTEMBER, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
		Ft.	Min. °	Max. °	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Balta Sound S	31	46·8	54·1	50·5	—	36	5th	61	17th	—	—	—	27	3·36	—	0·79	9th	76	—	20	—
1. SCOTLAND, E.	§ Crathes S	140	46·6	59·5	53·1	—	30	5th	70	19th	53·9	53·3	3	18	3·16	—	0·61	7th	54	—	14	—
	§ Balruddery S	276	46·0	59·9	53·0	—	34	11th	71	6th	—	—	--	21	4·74	—	1·30	7th	57	—	15	—
	§ Edinburgh	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	70	- 32	19	- 8
	¶ West Linton S	800	44·9	57·3	51·1	- 1·4	32	5th	67	30th	—	—	7	22	5·43	—	0·75	7th	57	—	15	—
2. ENGLAND, N.E.	¶ Alnwick Castle	210	47·7	61·3	54·5	+ 1·0	34	5th	77	30th	—	—	--	24	2·06	-0·53	0·28	9th	—	—	—	—
	Newcastle-on-Tyne	152	50·4	61·6	56·0	—	40	12th	78	30th	—	—	—	18	1·62	-0·55	0·36	20th	77	- 22	20	- 6
	Ampleforth	349	46·8	61·5	54·2	—	36	12th	77	30th	—	—	—	15	2·09	—	0·35	22nd	--	—	—	—
	Tealby	251	48·6	62·1	55·4	- 0·2	34	12th	77	30th	—	—	—	14	2·13	-0·55	0·55	22nd	—	—	—	—
	¶ Fulbeck	180	47·8	63·5	55·7	- 0·2	35	12th	80	30th	—	—	—	14	1·57	-0·49	0·57	3rd	—	—	—	—
	§ Rauceby	124	47·4	64·4	55·9	—	37	12th	79	30th	—	—	0	15	1·56	-0·79	0·38	3rd	128	—	34	—
3. ENGLAND, E.	Felixstowe	10	51·0	62·7	56·9	- 0·1	38	13th	58	19th	—	—	—	8	1·64	—	0·68	21st	178	—	48	—
	¶ § Rothamsted	424	46·8	62·7	54·8	- 0·9	34	13th	75	30th	—	—	—	22	1·39	-1·01	0·46	3rd	158	+ 12	42	+ 3
	Shoeburyness	13	50·8	64·4	57·6	+ 1·0	40	12th	74	18th	—	—	—	9	1·03	-0·87	0·71	3rd	—	—	—	—
	Southend-on-Sea	100	50·5	65·3	57·9	—	41	12th, 13th	74	8, 19, 30th	59·0	—	0	7	0·98	-1·02	0·69	3rd	166	—	44	—
4. MIDLAND COUNTIES	¶ § Harrogate	476	47·1	60·7	53·9	- 0·2	36	12th	77	30th	53·1	52·9	1	17	2·61	+0·13	0·61	20th	98	—	26	—
	Bradford	330	47·0	61·3	54·2	—	35	12th	78	30th	55·5	57·8	1	20	3·05	—	1·15	20th	100	—	27	—
	¶ Cheadle M	646	47·1	60·3	53·7	- 0·5	39	5th, 12th	76	30th	—	—	0	17	2·36	-0·54	0·40	9th	—	—	—	—
	¶ Bawtry	65	47·2	63·9	55·6	+ 0·2	33	12th	79	30th	—	—	—	17	1·59	-0·41	0·55	18th	—	—	—	—
	§ Worksop M	56	47·3	64·2	55·8	+ 0·6	34	12th	78	30th	54·6	54·5	4	16	1·80	-0·22	0·50	18th	100	- 19	27	- 5
	Kingston-on-Soar	125	47·2	63·1	55·2	—	32	13th	78	30th	55·8	—	—	15	2·13	—	0·56	10th	—	—	—	—
	Rugby	379	47·8	62·9	55·4	- 0·2	36	12th, 13th	77	30th	—	—	1	16	1·93	—	0·47	11th	—	—	—	—
	¶ Raunds M	210	46·4	64·5	55·5	- 0·8	35	13th	80	30th	—	—	3	13	1·33	—	0·28	1st	—	—	—	—
	Winslow	379	47·1	62·6	54·6	—	36	5th, 13th	74	30th	—	—	—	17	1·44	—	0·32	3rd	—	—	—	—
	¶ Hereford M	291	48·0	62·3	55·2	- 0·6	35	12th	77	30th	—	—	2	18	2·30	-0·04	0·68	3rd	—	—	—	—
	¶ § Cirencester	446	45·7	61·4	53·6	- 1·5	33	13th	76	30th	—	—	0	18	1·94	-0·75	0·60	3rd	108	- 31	29	- 8
	Epsom	160	47·2	66·6	56·9	—	34	13th	82	30th	—	—	2	18	1·69	—	0·58	3rd	—	—	—	—
	Wokingham	216	44·9	63·5	54·2	—	29	13th	74	29th	—	—	—	16	1·44	—	0·47	3rd	—	—	—	—
	Maidenhead	99	47·1	66·5	56·8	—	34	13th	82	30th	—	—	?	14	2·13	-0·16	0·86	3rd	—	—	—	—
	¶ § Marlborough	424	45·2	62·1	53·7	- 1·2	32	5th	75	30th	—	—	3	18	2·05	-0·65	0·53	3rd	130	0	35	0
	Bucklebury	409	47·0	61·6	54·3	—	37	5th	76	30th	—	—	2	17	2·10	—	0·57	3rd	—	—	—	—
	¶ Swarraton M	310	46·4	62·1	54·3	- 1·2	32	13th	76	30th	—	—	—	20	1·69	-0·88	0·44	3rd	—	—	—	—
	¶ § Margate	35	51·9	65·1	58·5	- 0·1	41	16th	75	8, 20, 30th	56·6	56·8	0	13	1·16	-0·93	0·45	3rd	176	+ 26	47	+ 7
	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	11	1·34	—	0·48	3rd	184	—	49	—
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	185	—	49	—
	¶ § Wisley	150	47·7	64·2	56·0	- 2·0	36	13th	77	30th	56·3	57·4	0	13	1·29	—	0·44	3rd	153	—	41	—
5. ENGLAND, S.E.	¶ § Tunbridge Wells M	421	47·9	63·4	55·7	- 1·0	37	5th	75	30th	57·4	—	1	16	1·77	-0·70	0·57	3rd	168	+ 11	45	+ 3
	Folkestone	121	50·2	63·5	56·9	—	36	13th	75	18th	—	55·2	—	13	1·02	-1·45	0·53	3rd	171	—	46	—
	§ Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170	—	46	—
	Bexhill	27	52·0	63·2	57 6	—	43	12th	68	19th	59·5	—	0	13	1·83	—	0·59	3rd	181	—	49	—
	Lewes	58	48·1	63·3	55·7	—	36	13th	75	30th	—	—	—	23	1·69	—	0·59	3rd	—	—	—	—
	§ Worthing	36	49·6	63·1	56·4	- 1·6	39	13th	69	19th, 30th	57·9	58·3	0	14	1·77	-0·68	0·57	3rd	164	—	44	—
	Bognor	20	50·4	62·5	56·5	—	39	13th	69	30th	—	57·6	0	18	1·46	—	0·43	3rd	154	—	41	—
	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	149	—	40	—
	Totland Bay	140	51·6	62·1	56·9	- 0·9	41	3rd, 13th	69	30th	—	—	—	18	2·36	-0·12	0·41	2nd, 3rd	156	—	42	—
	Bournemouth	145	49·3	63·3	56·3	—	39	3rd	72	30th	57·1	58·2	—	14	2·14	—	0·48	3rd	144	—	39	—
	Weymouth	21	51·9	63·4	57·7	—	42	13th	68	30th	—	—	—	16	2·42	—	0·35	19th	141	—	38	—
	Oban	20	50·5	61·0	55·8	—	36	12th	66	18th	—	—	0	23	6·85	—	0·85	7th	76	—	20	—
6. SCOTLAND, W.	¶ Thornton Hall (Lanarkshire)	440	46·1	59·3	52·7	—	32	12th	67	30th	—	—	4	24	4·26	—	1·07	7th	64	—	17	—
	Kilmarnock	90	47·5	61·0	54·3	+ 0·6	31	12th	69	30th	—	—	—	22	5·10	—	0·97	7th	72	—	19	—
	Carnforth	174	48·1	61·4	54·8	—	36	12th	77	30th	—	—	0	17	5·49	—	1·40	8th	89	—	24	—
	Burnley	459	47·0	60·5	53·8	—	36	12th	76	30th	52·9	53·5	4	16	3·78	—	1·27	20th	75	—	20	—
	§ Hoylake	30?	50·9	62·7	56·8	—	41	12th	78	30th	—	—	1	14	3·04	—	0·62	10th	124	—	33	—
7. ENGLAND, N.W.	Rhyl	30	50·0	62·3	56·2	—	39	12th	78	30th	—	—	0	14	2·90	+0·30	0·77	10th	136	—	36	—
	Colwyn Bay	65	52·4	62·0	57·2	—	46	2nd, 11th	79	30th	—	—	—	15	3·11	—	0·63	10th	134	—	36	—
	¶ Hawarden Bridge	22	49·1	62·5	55·8	- 0·8	41	1st, 12th	80	29th, 30th	—	—	—	18	3·90	+1·67	0·95	24th	—	—	—	—
	Towyn	10	51·6	62·3	57·0	—	35	12th	75	29th, 30th	57·0	57·2	2	18	3·19	—	0·54	16th	101	—	27	—
	§ Aberdovey	22	52·8	61·3	57·1	—	40	11th	76	30th	—	—	—	20	3·28	—	0·63	9th	100	—	27	—
	§ Aberystwyth	59	55·0	61·4	58·2	—	49	10th, 11th	75	29th, 30th	—	—	—	—	—	—	—	—	84	—	22	—
	Haverfordwest	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	104	—	28	—
	Tenby	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114	- 38	30	- 11
	Port Talbot	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	106	—	28	—
	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	—	8	2·28	—	0·78	3rd	—	—	—	—
	" "	900	—	—	—	—	—	—	—	—	—	—	—	15	2·90	—	0·85	3rd	—	—	—	—
8. ENGLAND, S.W.	¶ Cardiff	50	48·6	61·2	54·9	- 1·9	39	3, 12, 13th	74	30th	55·8	56·6	1	19	2·90	-1·01	0·61	3rd	132	—	35	—
	Swansea	24	51·8	63·2	57·5	—	40	5th 12th	75	30th	—	—	2	22	4·23	—	1·02	25th	—	—	—	—
	¶ Shaftesbury M	722	48·4	60·3	54·4	- 1·6	40	13th	73	30th	55·5	—	—	18	2·40	-0·52	0·40	3rd	—	—	—	—
	¶ Arlington	618	48·9	61·1	55·0	- 0·5	38	5th	75	30th	—	—	—	25	3·12	-1·53	0·55	3rd	—	—	—	—
	¶ § Cullompton M	202	47·8	64·4	56·1	- 1·0	32	5th	75	30th	—	—	0	20	2·45	-0·46	0·45	22nd	126	- 17	34	- 4
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	141	- 20	38	- 5
	§ Newquay	100	52·5	62·0	57·3	- 0·7	44	13th	72	30th	57·6	—	—	16	2·11	-1·25	0·41	21st	164	+ 8	44	+ 2
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	151	—	40	—
	Penzance	74	52·7	62·2	57·5	—	44	13th	66	30th	—	—	—	18	3·71	—	0·90	21st	165	—	44	—

1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in Sep. based on 35 years' observations, 1871–1905.

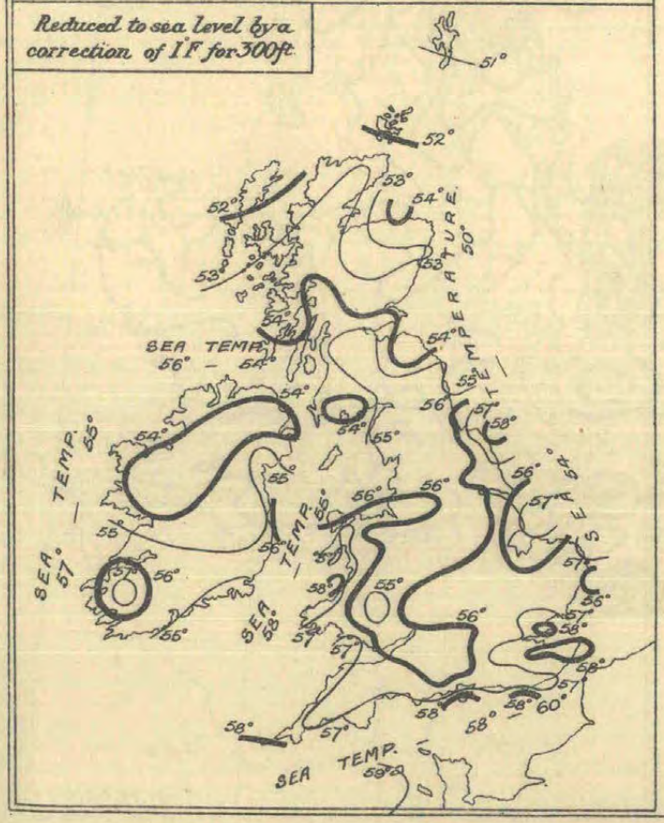


WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light 10 moderate 10 strong 10 — 30 Obsns = 1 inch

2. MOVEMENTS OF DEPRESSIONS.

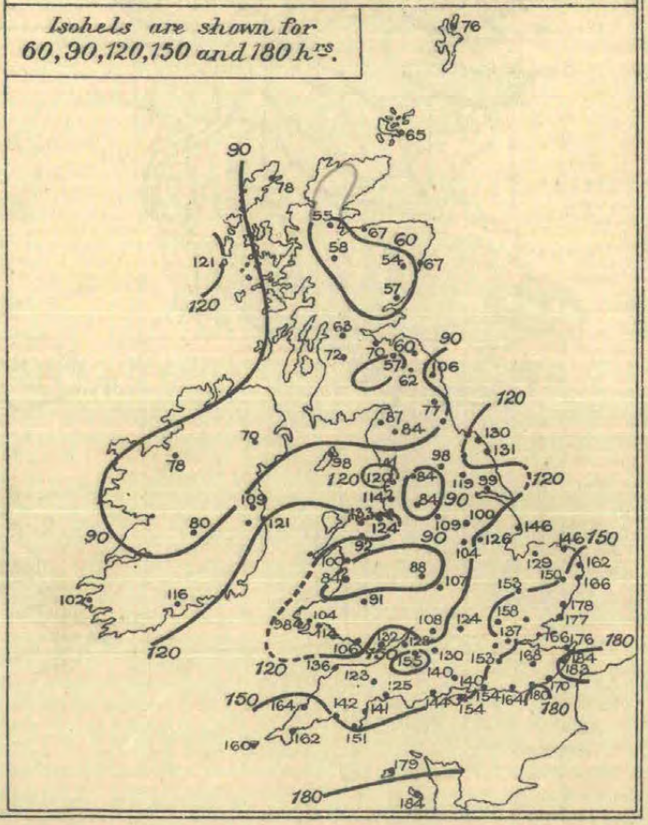
3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300ft.



4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 60, 90, 120, 150 and 180 hrs.



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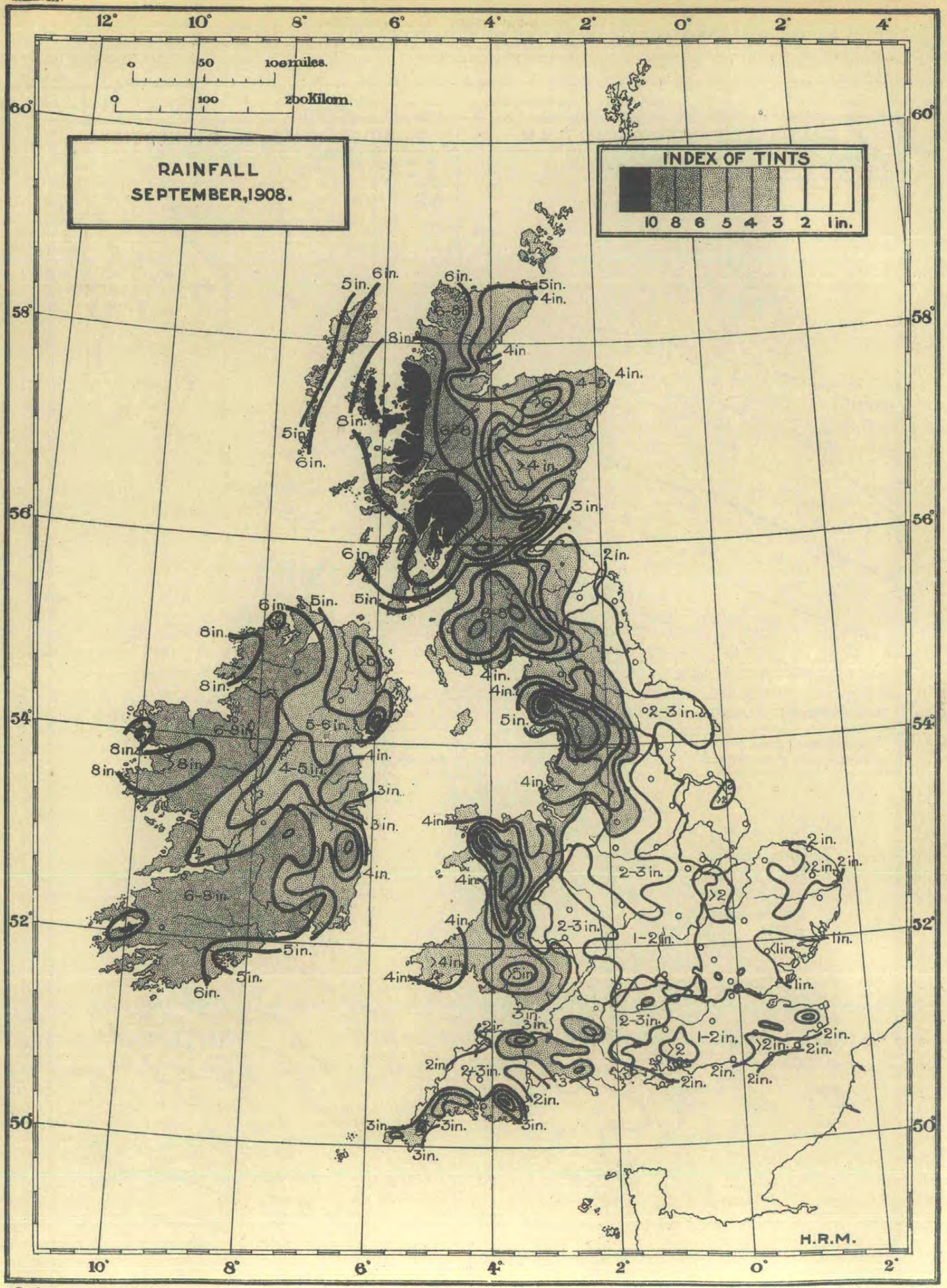

Scale 1 : 5,000,000.

TABLE XVIII (*continued*).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, SEPTEMBER, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	Min.	Max.											Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.	Dublin (Glasnevin)	67	47·9	62·1	55·0	+ 0·3	36	12th	74	30th	—	—	1	19	2·98	+0·65	0·66	8th	—	—	—	—
	Kingstown	—	50·9	62·1	56·5	—	41	12th	70	6, 7, 30	—	—	—	19	2·50	—	0·37	7th	121	—	32	—
	Clongowes Wood College	251	44·9	60·5	52·7	—	? 35	12th	68	7th, 30th	—	—	1	18	4·03	—	0·73	7th	81	—	22	—
	¶ Kilkenny	212	48·5	61·1	54·8	- 0·4	35	12th	68	6th	—	—	—	22	4·61	+1·94	1·72	19th	—	—	—	—
	¶ Cahir 𝔐	199	48·7	60·7	54·7	- 0·3	35	12th	69	18th	—	—	—	28	6·23	—	0·87	19th	—	—	—	—
	¶ Foynes	108	49·7	61·4	55·6	- 0·2	40	1st, 12th	70	30th	—	—	—	26	6·12	+3·13	1·81	8th	—	—	—	—
	§ Ballinacurra	34	49·6	60·3	55·0	—	39	10th, 12th	64	18, 20, 24	—	—	—	20	4·06	—	0·67	7th	116	—	31	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey)	180	53·3	64·4	58·9	- 0·6	46	13th	77	30th	—	—	—	19	3·21	+0·04	0·64	3rd	179	+3	48	+1

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for **latitude** has not been applied to the readings quoted in the Tables. It is applied to the readings at sea level from which the chart showing the mean monthly distribution of pressure is prepared. The values given in the tables are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ..." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked § is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street London, S.W. October 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* No. X. OCTOBER, 1908. [*Price 6d.* *Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—In many respects the atmospheric conditions over the United Kingdom during October, 1908, were of a most unusual character, a leading feature being the very remarkable steadiness of their behaviour. The distribution of pressure presented a striking difference from the normal, and it had also the singular distinction that the mean for the entire month may be regarded as a fair general representation of the distribution on many individual days. The actual range of pressure at our stations during the month amounted to only ½ in. on the Straits of Dover and at Jersey, less than ¾ in. at the majority of stations, and about an inch in the extreme north of Scotland and on the coast of Mayo. On the 8th the barometer fell to 29·39 ins. at Blacksod Point, and on the 22nd, it rose to 30·60 ins. at Aberdeen, so that the range over the whole Kingdom was less than 1¼ in., an exceptionally small amount for the season. Nearly throughout the period under review the region of highest pressure was found on the Continent, shifting about from time to time, but as a rule it was over Russia, where the barometer stood very high on several days, passing above 31 ins. at Moscow on the 23rd. On the other hand an extensive cyclonic system lay over the northern half of the North Atlantic, the position of the pressure minimum oscillating to and fro, northward, eastward, southward and westward, but always remaining at a considerable distance to the westward of our own coasts. On the 9th the barometer fell to about 28¼ ins. in the west of Iceland, and on the 24th to nearly 29 ins. at the Azores. From these facts it will be seen that the British Isles occupied a position about midway between the maximum and the minimum pressure systems. For the whole month the mean barometric values ranged from above 30·3 ins. in Denmark—still higher further east—to about 30·15 ins. in the east of England, 29·95 ins. in the west of Ireland, less than 29·9 ins. at Horta, Azores, and 29·43 ins. at Reykjavik, Iceland. There was thus a gradual diminution of pressure from east to west, so that the trend of the isobars over this country was almost due south to north, instead of the normal west to east. Pressure exceeded the average at all stations, the smallest excess, 0·04 in., being in the west, at Valencia, while all up the east coast of Britain the values were more than ½ in. higher than usual, as much as 0·35 in. at Sumburgh Head. The only depressions whose centres came near our coasts, were two very shallow ones which visited the mouth of the English Channel, on the 21st and the 27th respectively, the former moving down the west of France, the latter passing from France westward to the Atlantic.

Under the all but unvarying distribution of pressure described above, the wind was almost wholly from points in the Southern half of the compass. As a general rule the Southerly current was of little force, but occasionally, as the Atlantic depression surged eastward, an increase of wind occurred on our western coasts. On the 8th a Southerly gale was felt at Roche's Point and Malin Head, a strong South-Westerly gale at Blacksod Point, and South-Easterly at Castlebay. Stornoway and Blacksod had a Southerly gale on the 9th; Castlebay South-Westerly on the 11th; Stornoway and Malin Head Southerly on the 12th; Yarmouth South-Easterly on the 27th; and Blacksod Southerly on the 30th. At no anemometrical station was a mean velocity of 40 miles in an hour registered.

The weather which accompanied these unusual conditions of pressure and wind was also most abnormal. October is on an average the wettest month in the year, but on this occasion the precipitation was almost invariably small in quantity, there being very few records of as much as an inch in a day, while in many places the number of days of "rain and other forms of precipitation" included a considerable proportion of days on which the contents of the gauges consisted of measurable quantities of dew or of the moisture from fog. Of the 25 days at Lewes, 8 only were of rain. The heaviest falls of rain occurred with very slight local irregularities of pressure, 1·6 in. at Penzance on the 15th; 1·6 in. at Westbourne (Sussex), 1·7 in. at Watergate (Sussex), and 1·9 in. at Newchurch, Mon., on the 18th; 1·3 in. at Pant-yr-Eos, Mon., 1·4 in. at Abersychan, Mon., and nearly 2 ins. at Llandrindod Wells, 1·5 in. at Marchmont, 1·6 in. at Crathes, and 1·7 in. at Aberdeen on the 19th; and a little over an inch at Birmingham, Ballinacurra and Roche's Point on the 20th. On the morning of the 21st the southern part of Dorset was visited by one of the very few thunderstorms of the month, and in the space of about 5 hours 4 ins. of rain fell at the meteorological station in Weymouth, and in the same interval it is said that 6½ ins. fell on Portland Breakwater, four miles to the south of Weymouth. At Portland Bill the fall was 1·7 in.

Very fine, bright and pleasant weather prevailed through the greater part of the month, and combined with the soft Southerly breezes, exceptional mildness was the result. There had been a decided increase of temperature at the close of September, and the warmth was continued into October, the thermometer in the shade rising to 75° in southern Ireland, and to higher levels over Great Britain, in Scotland to 77° at Aberdeen, Crieff, Laudale and Marchmont, and 78° at Gordon Castle, while in England 80° was reached at Bettws-y-Coed, Prestwich, Raunds and Huddersfield, 81° at Epsom, 82° at Maidenhead, and 84° at Whitby. Equally remarkable were the night temperatures at this time, minimum readings of 58° and upwards being common, 61° at Bexhill-on-Sea and West Marina, St. Leonards, and 62° at Guernsey, Colwyn Bay, Whitby and Oban. After the 4th the excessive warmth moderated, but the thermometer continued well above the normal height, and on the 15th there was a sudden rise to 70° and upwards at numerous stations, to 72° at Aberystwyth, Towyn, Epsom, Cromer, Fulbeck, Hillington and Rauceby, and 73° at Geldeston. For a week from the 20th the weather was much colder, but not exceptionally cold for the time of year. In many localities the afternoon temperatures were below 50°; at various places in England, mainly on the 24th, the maximum was 45°, and at Ampleforth and Buxton 43°, the weather on this day being marked by falls of hail, graupel, sleet or slight snow. Night frost occurred once or twice during this cold interval, of no great intensity as a rule, but on the morning of the 25th the shade minimum was 23° at Wokingham, 22° at West Linton, 21° at Llangammarch Wells, and 18° at Balmoral. This cold visit was soon over, and the closing days of the month witnessed a renewal of very mild conditions, temperature mounting well up into the sixties on the 29th, to 68° at Wisley, Greenwich, Rugby, Raunds and Cromer, and to 69° at Aberystwyth, Towyn, Epsom and Geldeston. The month's range of temperature amounted to 55° at Wokingham, 54° at Carlisle, and exceeded 40° at the majority of stations.

Bright auroral displays were witnessed in the north of Scotland on the 6th and 31st.

Although there was so much fine weather, morning fog was experienced rather frequently in most inland districts, occasionally rather thick. On the coast there were three well-defined periods of foggy weather, 1st–8th, 13th–20th, and 29th–31st. In the first period the fog was dense and lasting in many western localities, and at some places in the east.

The temperature of the sea water was in many neighbourhoods equal to or a little above what it had been a month earlier, but on the east coast of Britain, and off the extreme south-west of England, of Ireland, and of Scotland, it showed a decrease of a degree. It was somewhat colder than the air on shore along the north-east of Britain, but in most other regions it was rather warmer. At the Owers lightvessel, off the Sussex coast, the temperature of the water averaged 60° for the month.

Rainfall.—Almost without an exception the returns disclose a deficiency of precipitation, ranging upwards to 4·3 ins. at Buxton, 4·7 ins. at Arlington, 5·5 ins. at Fort William, 6·2 ins. at Laudale, and 7·5 ins. at Glencarron. The mean deficiency over the western district of Scotland was 3·2 ins., and over the northern district 3·8 ins. The totals for individual stations were therefore in many places exceptionally small—Glencarron had less than 2 ins., Arlington 1·7 in., Laudale 1·5 in., and Buxton 1·1 in. On the other hand, Caragh Lake had 4·1 ins., Marchmont and Pant-yr-Eos 4·2 ins., Portland Bill 4·4 ins., Rousdon 5·2 ins., and Weymouth 6·5 ins., but these were exceptions to the rule. Falls of less than an inch were numerous, even the wet station Fort Augustus totalled only 0·9 in. Bawtry, Gordon Castle and Strathpeffer had 0·65 in., and Nairn only 0·4 in. In many places the various forms of precipitation were in measurable quantity on less than ten days, at Ampleforth on six days.

Bright Sunshine.—Excepting in the west of Scotland and the south of Ireland the duration of sunshine was above the normal, by 46 hours at Llandudno, and 52 hours at Woolacombe. The largest aggregates were 163 hours (50 per cent. of the possible duration) at Ramsgate, and 161 hours (49 per cent.) at Jersey; the smallest, 45 hours (15 per cent.) at Balta Sound, and 41 hours (13 per cent.) at Castlebay.

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TABLE XIX.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·924	+ ·346	46·6	53·4	50·0	+4·3	40	26, 27, 29th	63	1st	49·9	50·2	1·1	1·5	·331	·325	93	90	—	—
	§ **Deerness** – – –	163	29·879	—	48·2	54·3	51·3	+4·9	43	23rd, 25th	66	3rd	52·2	50·7	1·8	1·6	·346	·331	88	89	—	—
	¶ § Stornoway – –	52	29·926	+ ·227	48·9	57·3	53·1	+7·3	39	26th, 27th	65	3rd	52·0	54·1	1·5	2·1	·348	·359	90	85	—	—
	Castlebay – – –	38	29·902	+ ·191	52·1	56·0	54·1	+7·7	46	27th	63	3rd	54·0	54·5	1·5	1·6	·374	·379	90	89	—	—
Mainland.	¶ Wick – – –	80	29·950	+ ·288	46·5	57·0	51·8	+5·6	30	24th	70	3rd	50·9	52·2	1·8	2·6	·328	·323	89	83	—	—
	¶ **Lairg** – – §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ **Strathpeffer** – –	210	29·815	—	45·5	58·6	52·1	+6·9	29	26th	74	3rd	50·7	51·1	2·0	2·2	·320	·320	87	84	—	—
	¶ **Glencarron** – §	504	29·475	—	46·2	59·5	52·9	+7·7	32	24th	72	3rd	52·7	51·9	3·4	3·2	·310	·306	78	79	—	—
	¶ § **Fort Augustus** §	78	29·971	—	47·4	60·0	53·7	+7·1	26	26th	74	3rd	51·7	53·4	2·5	3·0	·319	·327	83	80	—	—
	¶ **Fort William** – §	38	30·008	—	48·2	60·3	54·3	+6·9	29	26th	72	3rd	52·4	53·8	2·6	3·1	·326	·330	83	79	—	—
	Dunrobin Castle §	16	30·028	—	47·3	57·0	52·2	+5·5	36	23rd, 24th	65	2, 4, 7th	52·9	52·3	1·9	2·1	·356	·343	88	86	53·8	—
	District Value –				**47·3**	**57·9**	**52·4**	**+6·3**	**26**		**74**											
1. SCOTLAND, E.																						
	¶ § Nairn – – –	82	29·934	+ ·258	44·7	59·4	52·1	+6·1	25	26th	76	3rd	48·6	52·1	1·8	2·5	·299	·324	88	83	—	—
	¶ **Gordon Castle** §	107	29·937	—	45·1	61·0	53·1	+6·3	26	25th	78	3rd	54·5	51·5	3·8	2·4	·323	·319	76	84	—	—
	¶ § **Aberdeen** – –	90	30·012 / 30·002	+ ·301 / + ·297	48·2	56·6	52·4 / 52·4	+5·5 / +5·8	35	25th	73	3rd	52·5	51·6	1·9	2·1	·344	·328	87	86	—	51·8
	Tillypronie – §	1120	29·883	—	43·4	57·0	50·2	+6·7	29	24th, 25th	81	3rd	50·9	48·1	2·7	1·7	·314	·302	83	88	—	—
	¶ *Balmoral* – – §	927	—	—	40·7	57·8	49·3	+6·2	18	25th	74	2nd	47·3	—	—	—	—	—	—	—	—	—
	Dundee – – §	164	29·931	—	46·4	56·9	51·7	+5·2	31	25th, 26th	72	1, 2, 4th	50·8	50·3	0·7	0·9	·360	·348	95	94	—	—
	¶ **Crieff** – – §	436	29·624	—	46·1	57·8	52·0	+5·6	28	25th	77	4th	50·3	50·3	1·4	1·3	·329	·331	90	91	—	—
	¶ Leith – – –	37	30·034	+ ·266	47·9	59·8	53·9	+5·7	32	25th	75	3rd	51·3	54·7	1·3	2·4	·344	·360	91	84	—	—
	¶ § **Marchmont** – §	500	29·559	—	44·8	58·6	51·7	+5·9	33	25th	77	2nd	52·0	49·9	1·7	1·6	·343	·318	88	89	51·6	—
	District Value –				**45·1**	**58·5**	**51·6**	**+5·7**	**18**		**81**											
2. ENGLAND, N.E.																						
Northern Part.	§ **Cockle P'rk (Morpeth)**	331	29·758	—	44·9	57·4	51·2	—	35	25th	74	1st	52·5	50·2	1·6	1·3	·357	·335	89	91	50·8	52·1
	¶ Shields – – –	117	29·979	+ ·279	47·4	59·0	53·2	+5·3	39	26th	77	3rd	51·3	54·7	1·0	2·3	·352	·363	93	85	—	—
	Seaham – – –	138	29·973	—	48·4	58·6	53·5	+5·6	38	25th	77	3rd	54·2	51·4	1·9	1·1	·376	·355	87	92	—	—
	¶ § **Durham** – – –	352	?29·745	—	?45·9	?59·2	?52·6	?+5·6	35	25th	77	4th	?52·1	?50·9	?1·2	?0·8	?·364	?·357	?92	?94	—	—
	Whitby – – –	145	29·964	—	48·3	63·8	56·1	+6·8	31	25th	84	1st	53·4	53·1	1·8	1·8	·365	·359	88	88	—	—
	¶ **Rounton** – – M	245	29·853	—	45·7	59·1	52·4	+5·7	31	25th	75	1st, 4th	51·6	51·1	1·3	1·2	·348	·344	91	92	53·9	—
	¶ § **Scarborough** – M	100	29·987	—	49·6	60·4	55·0	+6·4	40	28th	77	4th	53·7	53·8	2·0	1·9	·357	·361	87	87	—	55·6*
	¶ § **York** – – –	53	30·091	—	46·7	60·5	53·6	+5·6	30	25th	78	1st	51·8	52·4	1·1	0·9	·356	·369	92	94	54·2	54·5
Southern Part.	**Hull** – – – –	12	30·138	—	47·4	60·2	53·8	+5·7	32	25th	77	1st, 3rd	53·6	53·7	1·8	1·8	·361	·362	88	88	52·1	53·9
	¶ Spurn Head – –	28	30·092	+ ·274	50·3	57·7	54·0	+4·3	39	25th	66	2, 3, 4th	52·9	54·9	1·5	1·8	·359	·379	90	89	—	—
	§ Skegness – – –	16	30·130	+ ·277	48·4	58·7	53·6	—	35	25th	72	4th	51·9	55·2	1·1	1·9	·357	·381	93	88	—	—
	¶ **Lincoln** – – –	42	—	—	45·8	60·7	53·3	+5·1	31	25th	77	3rd	52·1	52·9	1·6	1·7	·355	·363	89	89	54·3	55·0
	District Value –				**47·0**	**59·7**	**53·2**	**+5·2**	**30**		**84**										**53·1**	**53·9**
3. ENGLAND, E.																						
Northern Part.	¶ § **Cromer** – – –	139	30·010	—	48·6	61·1	54·9	—	33	24th	79	2nd	54·0	52·3	1·6	1·3	·371	·357	89	91	—	—
	¶ § **Hillington** – M	92	30·044	—	45·2	60·8	53·0	+4·4	29	25th	79	3rd	53·3	50·5	1·4	1·0	·367	·342	90	93	—	—
	¶ **Norwich** – – –	93	—	—	46·5	60·6	53·6	—	31	25th	78	2nd	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	30·116	+ ·277	49·3	58·7	54·0	+4·4	37	25th	74	4th	52·4	54·8	1·6	1·9	·351	·376	90	88	55·5	56·9
	Lowestoft – M	75	30·084	—	50·5	59·6	55·1	+5·0	36	25th	76	4th	56·3	53·7	2·4	1·5	·384	·370	85	90	54·7	56·4
	¶ § **Geldeston** – –	47	30·110	—	46·2	61·7	54·0	+4·6	34	24th	79	2nd	54·2	51·6	1·2	0·9	·385	·358	92	94	—	—
Southern Part.	¶ § **Cambridge** – –	43	30·095	—	45·3	62·5	53·9	+5·0	28	25th	79	2nd	53·5	51·0	1·4	0·8	·378	·361	91	94	54·3	56·4
	Woburn – –	294	29·841	—	44·5	61·4	53·0	—	26	25th	76	2nd	52·6	51·2	1·3	1·0	·369	·358	91	93	—	—
	Bennington – M	411	29·725	—	45·9	61·2	53·6	+4·9	31	25th	77	4th	51·7	50·9	1·1	1·0	·355	·346	92	93	54·8	56·2
	¶ § Clacton – –	62	30·078	+ ·248	50·4	59·4	54·9	+3·9	34	25th	71	4th	53·5	55·7	1·2	2·3	·376	·379	91	85	55·9	57·4
	Berkhamsted – M	397	29·722	—	44·6	61·2	52·9	+4·5	29	25th	77	3rd	50·9	50·0	0·6	0·8	·357	·339	96	94	55·3	—
	District Value –				**47·0**	**60·7**	**53·7**	**+4·8**	**26**		**79**										**55·4**	**56·8**
4. MIDLAND COS.																						
Eastern Part.	**Garforth** – –	198	—	—	44·1	58·5	51·3	—	29	22nd	74	1st	51·2	48·8	1·0	0·8	·355	·330	93	94	52·5	52·8
	Huddersfield –	411	29·684	—	46·6	59·0	52·8	—	35	25th	80	1st	50·4	51·8	0·8	1·1	·352	·365	94	93	53·0	53·7
	Wakefield – M	100	30·028	—	45·4	60·8	53·1	+5·3	32	25th, 28th	77	1st	51·9	52·8	1·2	1·8	·355	·351	92	88	—	—
	Belvoir Castle –	276	29·844	—	46·2	60·1	53·2	+5·2	30	25th	76	3rd	52·3	51·0	1·1	0·6	·362	·358	92	96	—	54·1*
	Coventry – –	309	29·807	—	46·1	59·9	53·0	+4·3	32	25th	76	1st	51·6	—	1·1	—	·353	—	93	—	54·1	55·4
	¶ § Nottingham – –	85	30·030	+ ·236	45·2	60·8	53·0	+4·7	34	25th, 26th	78	3rd	49·2	54·3	0·3	1·4	·342	·382	98	90	53·8	55·6
	¶ § **Birmingham** – –	542	29·542	—	47·3	59·1	53·2	+5·0	32	25th	77	1st	49·9	52·7	0·6	1·6	·354	·367	95	89	52·2	52·7
	¶ § Oxford – – –	212	29·911 / 29·899	+ ·222 / + ·225	45·0	61·0	53·0	+4·1	31	25th	76	3rd	49·7 / 53·0	52·9 / —	0·8 / 1·7	— / —	·336 / ·355	— / —	94 / 88	— / —	—	—
Western Part	¶ § **Bath** – – –	84	30·020	+ ·212	46·5	62·5	54·5	+5·8	31	25th	77	1st, 2nd	50·8	56·3	0·7	—	·353	—	95	—	56·9	58·8
	¶ **Shrewsbury** – –	212	29·884	—	45·5	60·6	53·1	+3·8	29	22nd	77	1st	51·3	50·8	0·9	0·5	·365	·368	94	96	—	—
	Buxton – – M	997	29·063	—	44·6	57·6	51·1	+5·9	32	28th	75	1st	50·7	49·5	1·3	1·0	·335	·328	91	92	53·2	53·0
	§ **Sheffield** – – –	450	29·652	—	48·2	59·5	53·9	+5·1	36	25th	77	1st	51·9	52·8	1·2	1·5	·363	·368	92	90	53·0	53·7
	Stokesay – – –	375	29·717	—	43·1	60·2	51·7	—	25	25th	74	4th	52·7	48·9	0·9	0·6	·373	·331	94	96	—	—
	Cheltenham – M	206	29·906	—	48·0	60·6	54·3	+6·2	30	25th	76	1st	54·2	53·2	1·9	1·7	·366	·358	87	88	—	—
	District Value –				**45·6**	**60·1**	**52·7**	**+4·9**	**25**		**80**										**53·4**	**54·2**

For notes see p. xcix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of OCTOBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day	Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (Force 8 and above).	No. of Obs. of Forces 4-7	Calm.	N.	N.E.	E	S.E	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
—	—	—	—	9·3	9·5	1·30	−3·08	0·42	1st	15	0	0	0	0	28	8	—	0	21	9	2	1	2	17	17	3	10	1	Sumburgh Head.
68	−13	22	− 4	7·8	6·5	1·52	−2·75	0·50	10th	9	0	0	0	3	19	9	—	0	**35**	2	2	0	4	**22**	25	3	2	**2**	Deerness.
78	− 6	25	− 2	7·4	7·8	2·78	−2·91	0·79	10th	19	0	0	0	0	14	1	—	**4**	32	6	2	0	4	11	24	12	2	1	Stornoway.
41	—	13	—	8·5	9·5	2·26	—	0·50	8th	17	0	0	0	0	22	**14**	—	3	33	*1*	0	7	15	18	12	7	*1*	1	Castlebay (Barra Isd.)
—	—	—	—	6·7	6·2	1·33	−1·90	0·27	28th	14	0	0	1	0	9	5	—	0	11	4	2	0	*1*	6	**31**	5	11	**2**	Wick.
—	—	—	—	—	—	1·18	−2·74	0·35	1st	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
92	+ 3	29	0	6·5	5·3	0·65	−2·49	0·19	18th	13	0	0	0	4	*8*	0	—	0	7	**35**	1	2	5	2	4	8	5	0	Strathpeffer.
—	—	—	—	6·5	4·4	1·96	−7·50	1·03	10th	14	0	0	0	**5**	11	1	—	0	10	2	**17**	2	20	*1*	0	0	**20**	0	Glencarron.
92	+30	29	+ 9	6·4	6·1	0·91	−3·34	0·41	10th	7	0	0	0	4	12	2	—	0	20	5	0	**12**	4	3	12	16	9	1	Fort Augustus.
—	—	—	—	6·8	6·4	2·17	−5·46	0·94	10th	15	0	0	0	3	15	5	—	1	9	20	0	2	6	4	9	**17**	4	0	Fort William
—	—	—	—	—	—	0·86	−2·41	0·35	18th	9	0	0	0	—	—	0	—	0	20	9	0	0	**27**	11	1	8	6	0	Dunrobin Castle.
83	**+ 7**	**27**	**+ 3**	**7·3**	**6·9**	**1·66**	**−3·80**	**1·03**		**14**																			
125	—	40	—	7·3	6·8	0·42	−2·05	0·20	16th	10	0	0	0	1	14	1	—	0	1	**32**	0	0	9	6	3	7	5	0	Nairn.
110	—	35	—	6·3	5·5	0·65	−2·73	0·25	28th	16	0	0	0	4	*5*	0	—	1	2	0	0	0	3	21	**28**	10	0	0	Gordon Castle.
80	−19	25	− 6	7·4	7·1	2·60	−0·34	1·65	19th	11	0	0	0	3	18	5	—	0	11	10	1	0	3	12	22	10	3	1	Aberdeen.
—	—	—	—	6·6	4·8	1·32	−1·78	0·27	27th	14	0	0	0	**6**	8	5	*3*	**6**	**32**	0	1	1	*1*	20	7	**17**	11	**4**	Tillypronie.
—	—	—	—	7·6	—	1·61	−2·33	0·48	19th	9	0	0	0	2	16	0	**6**	0	2	0	6	2	12	2	0	8	**32**	0	Balmoral.
—	—	—	—	8·8	8·5	2·81	+0·11	0·82	19th	17	0	0	0	0	**21**	**7**	—	0	10	0	4	**8**	2	**23**	3	15	1	**4**	Dundee
—	—	—	—	7·4	6·8	3·23	−0·87	1·03	19th	17	0	0	0	4	16	6	—	1	10	0	1	1	**30**	*1*	4	10	14	1	Crieff.
—	—	—	—	6·7	6·6	1·31	−0·88	0·24	19th	13	0	0	1	0	11	2	—	0	2	3	0	3	15	13	6	9	12	1	Leith.
95	+ 9	30	+ 3	6·8	5·8	4·23	+0·60	1·50	19th	15	0	0	0	5	14	1	*3*	0	0	0	**7**	1	**30**	6	6	*1*	11	0	Marchmont.
91	**+ 4**	**29**	**+ 1**	**7·2**	**6·5**	**1·90**	**−1·27**	**1·65**		**13**																			
108	—	34	—	7·9	7·2	1·96	−1·24	0·69	19th	15	0	0	0	0	16	1	**5**	0	7	9	0	*2*	2	**25**	*1*	10	4	**9**	Cockle Park (Morpeth).
—	—	—	—	8·6	7·7	1·31	−1·62	0·32	19th	13	0	0	0	0	**18**	11	—	0	9	1	1	3	6	18	16	12	5	0	Shields.
—	—	—	—	6·3	6·1	0·95	−2·11	0·29	27th	11	0	1	0	5	10	2	—	0	15	8	1	*2*	13	10	18	7	2	1	Seaham.
92	+ 3	29	+ 1	?7·2	?6·5	1·32	−1·97	0·28	27th	16	0	0	0	?5	?15	0	1	0	0	17	2	3	9	*3*	13	15	0	0	Durham.
113	—	35	—	6·7	6·	0·91	−2·04	0·37	27th	10	0	0	0	4	10	1	—	0	3	1	2	8	4	21	*1*	18	4	3	Whitby.
—	—	—	—	7·3	6·8	1·10	−1·95	0·21	27th	16	0	0	0	5	17	12	0	0	5	13	2	4	3	18	13	4	0	5	Rounton.
109	—	34	—	7·7	8·2	1·11	−2·07	0·61	27th	14	0	0	0	0	15	**19**	0	0	18	5	0	**12**	0	14	*1*	**28**	1	1	Scarborough.
85	+ 1	26	0	7·0	5·6	0·77	−1·97	0·22	29th	17	0	0	0	5	12	7	—	0	0	0	**5**	*2*	11	12	**28**	*2*	2	0	York.
67	—	21	—	8·0	4·5	0·82	−2·21	0·27	27th	12	0	0	0	3	12	10	1	0	2	**20**	1	3	5	15	4	10	4	0	Hull.
—	—	—	—	7·3	5·5	0·82	−1·48	0·42	27th	9	0	1	0	3	9	7	—	0	**19**	1	2	5	7	21	19	5	2	0	Spurn Head.
114	—	35	—	7·1	4·4	0·78	—	0·27	27th	17	0	0	0	3	9	7	—	0	12	0	0	7	9	16	15	9	**6**	0	Skegness.
—	—	—	—	7·3	3·9	0·86	−1·63	0·34	16th	15	0	0	0	**6**	*8*	1	—	0	3	9	0	7	**24**	7	4	7	1	3	Lincoln.
101	**+ 6**	**31**	**+ 1**	**7·4**	**6·0**	**1·16**	**−1·78**	**0·84**		**14**																			
122	—	38	—	7·5	5·5	1·15	—	0·25	17th, 24th	17	1	0	0	2	**14**	3	—	0	19	0	1	2	10	12	**26**	8	3	0	Cromer.
114	+17	35	+ 5	7·4	4·0	1·34	−1·57	0·33	23rd	20	0	1	0	5	8	*2*	3	0	4	1	0	*1*	4	23	8	**25**	0	0	Hillington.
—	—	—	—	—	—	1·40	—	0·32	27th	19	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	Norwich.
140	—	43	—	6·7	6·6	1·44	−1·47	0·45	9th	10	0	1	0	0	7	8	—	1	**21**	4	2	**7**	14	16	10	4	4	1	Yarmouth.
140	—	43	—	5·4	3·8	1·17	−1·53	0·46	9th	9	0	1	0	**12**	8	8	0	1	18	9	1	3	7	14	12	10	**5**	1	Lowestoft.
131	+22	41	+ 7	5·9	4·0	2·12	−0·59	0·91	9th	14	0	0	0	8	7	10	—	0	0	5	2	3	15	10	18	*3*	**5**	1	Geldeston.
135	+30	42	+ 9	7·0	2·9	1·07	−1·28	0·45	16th	10	0	0	0	6	7	14	1	0	15	11	3	3	*3*	**26**	*2*	10	1	3	Cambridge.
—	—	—	—	5·7	5·4	2·07	—	0·77	16th	13	0	0	0	6	8	8	—	0	4	17	**6**	6	9	10	7	7	0	0	Woburn.
—	—	—	—	6·6	3·3	1·19	−1·58	0·30	16th, 27th	14	0	0	1	7	*6*	**16**	4	0	0	18	2	5	9	16	5	4	1	2	Bennington.
140	—	43	—	6·6	5·5	1·00	—	0·37	17th	12	0	1	0	0	*6*	5	1	0	17	0	5	**7**	**19**	14	7	*3*	3	**4**	Clacton.
108	—	34	—	7·0	4·5	2·18	−0·96	0·48	18th	15	0	1	0	4	9	15	**6**	0	0	**23**	0	5	12	*5*	8	*3*	3	3	Berkhamsted
123	**+20**	**39**	**+ 7**	**6·8**	**4·6**	**1·51**	**−1·21**	**0·91**		**15**																			
77	—	24	—	7·3	6·6	1·03	—	0·14	18th, 26th	17	0	0	0	3	15	10	—	0	0	25	3	11	6	10	*4*	3	0	0	Garforth.
65	—	20	—	8·1	5·8	1·66	—	0·34	18th	17	0	0	0	3	16	11	2	0	1	**27**	1	6	9	7	6	*2*	**4**	0	Huddersfield.
—	—	—	—	8·0	7·0	0·94	−2·04	0·17	18th	11	0	1	0	2	19	**14**	—	0	1	2	1	7	15	9	19	8	1	0	Belvoir Castle.
122	—	38	—	6·9	4·9	1·34	−1·38	0·42	16th	16	1	0	0	6	12	**14**	2	0	**14**	15	5	0	6	10	17	7	2	0	Coventry.
101	—	31	—	5·0	—	1·23	−1·43	0·45	27th	21	0	1	0	**13**	14	2	2	0	**14**	8	4	2	10	14	**22**	2	0	0	Nottingham.
107	—	33	—	7·6	5·5	0·98	−1·62	0·40	20th	15	0	0	0	1	11	6	*1*	0	3	0	2	5	**25**	12	6	8	**4**	0	Birmingham
87	—	27	—	7·0	4·8	2·01	−0·82	1·09	20th	12	0	0	0	6	12	3	5	0	0	11	5	6	13	14	10	*2*	1	0	Oxford.
113	+12	35	+ 4	7·3 5·9	5·2 —	1·23 1·17	−1·53 −1·71	0·38	20th	19	0	0	0	2	11	10	5	0	3	10	5	5	8	16	11	3	3	1	Oxford.
																													Bath.
120	—	37	—	7·5	5·9	1·71	−1·34	0·62	18th	9	—	—	—	2	15	—	—	—	0	1	2	**18**	14	14	*4*	*2*	3	4	Shrewsbury.
—	—	—	—	8·5	5·2	1·59	—	0·70	18th	11	0	0	0	1	13	0	4	0	2	9	1	0	*3*	**21**	10	6	2	2	Buxton.
95	—	30	—	8·0	6·1	1·12	−4·27	0·31	18th	12	0	1	0	2	16	13	3	0	5	19	0	6	10	14	5	6	0	2	Sheffield.
75	—	23	—	8·4	7·3	1·12	−2·53	0·31	20th	16	0	0	0	0	17	11	2	0	0	17	**6**	3	7	10	11	6	0	2	Stokesay.
—	—	—	—	8·9	7·7	1·99	—	0·79	18th	15	0	1	0	0	**20**	7	**7**	0	2	26	3	0	5	9	16	3	0	0	Stokesay.
109	—	34	—	6·7	4·5	1·17	−1·55	0·44	20th	12	0	0	0	7	*10*	2	2	0	4	12	1	3	7	10	7	**15**	1	**6**	Cheltenham.
96	**+ 3**	**29**	**+ 1**	**7·3**	**5·9**	**1·37**	**−1·31**	**1·18**		**15**																			

TABLE XIX. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
		ft.	ins.	ins.	Min.	Max.			°		°		°	°	°	°	in.	in.	%	%		
5. ENGLAND, S.E.	Reading	264	29·832	—	46·3	61·3	53·8	—	30	25th	76	2nd	51·1	51·7	0·6	1·1	·360	·355	96	92	—	—
	Salisbury	186	29·912	—	44·5	62·1	53·3	+4·5	29	25th	75	1, 2, 4th	52·6	50·4	0·7	0·7	·377	·349	95	95	56·1	—
	Dover	231	29·886	+·233	48·8	60·0	54·4	—	36	25th	74	1st, 3rd	52·7	55·1	1·3	2·5	·362	·364	91	84	54·8	55·6
	Brighton	48	30·076	—	50·6	61·0	55·8	+4·2	34	25th	69	2nd, 4th	56·7	—	2·1	—	·398	—	87	—	—	58·4
	§ Eastbourne	36	30·095	—	48·3	61·2	54·8	+4·4	34	25th	72	4th	56·5	54·7	1·7	1·2	·417	·404	89	92	56·6	57·8
	Portsmouth	18	30·104	—	49·9	62·0	56·0	+4·7	35	25th	76	4th	56·9	—	1·9	—	·406	—	88	—	55·8	58·1
	¶ Dungeness	21	30 077	+·210	48·9	60·2	54·6	+3·2	32	25th	70	4th	54·1	56·8	1·2	1·9	·384	·405	91	87	—	—
	¶ Hastings	174	29·944	—	51·1	60·5	55·8	+4·7	34	25th	73	4th	56·5	55·1	2·5	2·1	·384	·374	84	86	56·1	57·8
	¶ § Southampton	84	30·038	—	48·3	62·3	55·3	+4·4	33	25th	77	4th	55·8	53·6	1·6	1·3	·408	·389	89	91	—	—
	¶ § *Ventnor*	80	30·013	—	52·6	61·8	57·2	+4·3	34	25th	72	4th	57·4	—	2·1	—	·409	—	87	—	—	—
	District Value				**48·0**	**61·4**	**54·5**	**+4·2**	**23**		**82**										**55·3**	**57·0**
LONDON	¶ § Tottenham	55	30·077	—	46·9	61·3	54·1	+5·0	32	25th	78	2nd	52·4	52·2	0·8	0·6	·379	·384	94	96	—	57·4
	Camden Square	123	30·011	—	47·3	62·4	54·9	+4·8	33	25th	79	2nd	52·7	53·2	1·0	0·9	·370	·380	93	93	53·2	55·3
	Westminster	54	30·062	+·211	49 0	62·6	55·8	+6·6	35	25th, 26th	79	2nd	51·6	56·9	1·1	3·0	·353	·375	93	81	—	—
	Greenwich	159	29·966	—	46·0	62·9	54·5	+4·1	33	25th	79	2nd	53·2	51·1	1·2	1·0	·371	·349	92	93	—	56·7
			29·955	+·234	—	—	53·9	+3·9														
	Norwood	235	29·905	—	47·1	62·1	54·6	+5·1	31	25th	77	2nd	53·5	51·9	1·3	1·1	·373	·357	91	92	53·9	—
	¶ § Kew	34	30·106	+·212	47·1	61·6	54·4	+5·2	34	25th	76	2nd	52·8	52·6	1·4	1·6	·361	·353	90	89	54·4	55·8
			30·095	+·211			53·9	+4·9														
	Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶ Laudale	25	30·003	—	50·1	60·5	55·3	+7·6	33	26th	77	3rd	55·2	55·7	2·2	1·8	·385	·401	86	88	—	—
	¶ Poltalloch	135	29·909	—	48·4	58·9	53·7	+6·2	32	26th	72	3rd	53·2	51·5	2·5	2·1	·338	·326	83	86	—	—
	¶ § Glasgow	184	29·831	—	48·5	58·3	53·4	+6·6	31	25th, 26th	71	2nd	51·7	52·6	1·9	1·8	·342	·357	87	88	—	—
	¶ Rothesay	76	29·985	—	49·6	58·9	54·3	+6·5	36	25th	69	1st, 4th	53·0	52·9	1·9	1·5	·350	·359	87	90	—	53·1
6.	¶ *Colmonell*	140	—	—	48·7	58·9	53·8	+5·9	26	25th	74	3rd	—	—	—	—	—	—	—	—	—	—
	¶ Dumfries	60	30·050	—	47·0	60·3	53·7	+6·p	28	25th	77	3rd	52·5	53·1	1·8	1·9	·346	·351	88	86	—	—
	¶ Cally (Gatehouse)	120	—	—	46·5	59·1	52·8	+5·7	28	25th	71	2nd	54·0	50·7	1·9	1·9	·363	·322	87	88	—	—
ISLE OF MAN	¶ § Douglas	284	29·785	—	50·2	58·4	54·3	+5·7	35	25th	70	2nd	53·8	54·0	1·2	1·2	·386	·392	92	92	—	—
	District Value				**48·5**	**59·3**	**53·8**	**+6·1**	**25**		**77**											
	Southport	42	30·070	—	47·8	60·9	54·4	+5·8	31	25th	78	1st	53·8	52·3	1·9	1·3	·361	·357	87	91	54·1	56·0
	Manchester (City)	195	29·914	—	50·8	61·4	56·1	—	37	25th	80	3rd	54·8	55·3	2·1	2·3	·378	·382	86	86	54·8	56·0
	„ (Whitworth P'k)	127	29·977	—	49·3	61·7	55·5	—	34	25th	80	3rd	54·3	53·7	2·0	1·8	·365	·362	87	89	—	—
ENGLAND, N.W.	¶ § Aspatria	254	29·821	—	47·8	60·5	54·2	+7·2	29	25th	75	1st	54·5	52·4	2·0	1·5	·381	·360	87	90	—	—
	¶ § Newton Rigg	559	29·494	—	45·8	59·6	52·7	+6·6	29	25th	77	1st	51·4	50·9	1·1	0·8	·351	·351	92	95	53·6	53·7
	¶ § Stonyhurst	363	29·736	—	47·6	58·6	53·1	+5·6	34	25th	74	1st	52·3	52·2	1·7	1·4	·355	·364	89	90	—	—
	¶ § Blackpool M	73	30·031	—	47·2	60·2	53·7	+4·7	33	25th	75	3rd	55·8	52·0	2·2	0·8	·384	·366	86	94	—	54·7
7.	Darwen	710	29·334	—	46·4	58·5	52·5	—	33	24th, 25th	75	3rd	53·4	51·6	2·1	1·4	·361	·354	86	90	53·5	53·7
	¶ M'nch't'r (Prestwich)	320	29·770	—	47·5	61·1	54·3	+6·5	34	24th	80	3rd	53·4	52·9	1·4	1·5	·368	·359	90	90	—	—
	¶ Liverp'l, Bidston Obs.	197	29·887	—	48·9	58·8	53·9	+4·7	36	28th	73	1st	52·9	53·3	1·9	2·0	·348	·351	87	86	—	—
	¶ § Llandudno M	21	30·068	—	50·1	63·4	56·8	+6·2	34	25th	76	1st	57·0	55·2	3·3	2·6	·369	·363	79	84	—	—
NORTH WALES	¶ Holyhead	48	30·004	+·199	50·5	60·8	55·7	+4·9	38	25th	75	2nd, 3rd	53·6	56·5	1·1	1·5	·381	·412	93	90	—	—
	¶ § Bettws-y-Coed	100	29·959	—	45·2	62·5	53·9	+3·2	29	25th, 26th	80	2nd	54·0	50·9	1·6	0·9	·371	·349	89	94	52·3	53·5
	District Value				**47·8**	**60·6**	**54·0**	**+5·2**	**29**		**80**										**53·7**	**54·6**
SOUTH WALES	¶ § *Llangammarch Wells*	585	29·464	—	43·3	60·0	51·7	+1·9	21	25th	77	1st	50·8	—	0·7	—	·353	—	95	—	53·5	53·9
	¶ § Pembroke	150	29·873	+·161	51·6	59·1	55·4	+3·8	36	25th	67	2nd, 3rd	53·9	55·8	0·6	1·3	·399	·408	96	92	—	—
8.	¶ *Clifton*	229	—	—	49·7	60·8	55·3	+5·6	33	25th	76	1st	—	—	—	—	—	—	—	—	—	—
	¶ Portland Bill	28	30·048	+·165	53·4	60·2	56·8	+4·1	35	25th	67	4th	56·1	56·9	1·3	1·9	·412	·406	91	88	—	—
	¶ § Plymouth	116	29·950	—	51·0	62·7	56·9	+5·6	34	25th	78	2nd	56·8	56·0	1·8	2·1	·421	·401	88	87	56·6	—
ENGLAND, S.W.	¶ § Falmouth	183	29·881	+·153	51·4	59·1	55·3	+3·4	35	25th	64	2nd	55·4	54·7	1·3	1·2	·401	·394	92	93	—	—
			29·871	+·153			55·4	+3·6														
	Woolacombe M	79	29·958	—	51·9	62·6	57·3	+3·4	39	25th	76	1st	57·9	55·4	2·5	2·0	·404	·381	84	87	—	—
	Rousdon M	516	29·541	—	49·4	59·0	54·2	—	32	25th	71	4th	54·7	54·1	1·1	1·1	·396	·386	93	92	56·2	57·0
	Whitchurch M	595	29·430	—	49·1	60·8	55·0	—	30	25th	78	4th	56·3	52·7	1·9	1·3	·399	·362	88	91	55·9	—
9. IRELAND, N.	District Value				**49·3**	**60·4**	**54·7**	**+4·5**	**21**		**78**										**55·7**	**55·7**
Western Part.	¶ Malin Head	230	29·695	+·147	49·7	58·5	54·1	+5·0	39	24th	73	3rd	52·3	55·0	0·7	0·8	·373	·409	95	94	—	—
	¶ Blacksod Point	41	29·865	+·074	51·5	59·2	55·4	+5·3	42	26th	71	3rd	55·0	56·6	1·5	2·1	·389	·397	90	86	—	—
	¶ § Markree Castle	127	29·839	—	48·1	60·0	54·1	+6·6	27	26th	73	3rd	54·3	52·9	1·7	1·4	·383	·371	89	91	—	—
Eastern Part.	¶ Donaghadee	40	30·001	+·209	49·8	57·8	53·8	+5·1	39	26th	65	3rd	52·6	55·0	1·5	1·7	·356	·383	90	89	—	—
	¶ § Armagh	202	29·799	—	47·3	59·5	53·4	+6·1	31	26th	73	3rd	52·6	51·8	1·3	1·9	·371	·344	92	87	54·6	55·1
	Belfast	55	30·002	—	47·1	59·0	53·1	—	35	25th	68	3rd	53·6	51·4	1·7	1·0	·371	·364	89	92	—	—
10. IRELAND, S.	District Value				**49·3**	**59·0**	**54·0**	**+5·9**	**27**		**73**											
Eastern Part.	§ Dublin (Phœnix P'k)	159	29·878	—	46·1	60·7	53·4	+5·6	31	23rd	73	1st	55·2	52·2	2·0	1·2	·388	·365	87	92	—	—
	„ (Trinity Coll'ge)	17	30·021	—	49·9	61·1	55·5	—	38	25th	70	2nd	55·9	54·9	2·5	1·8	·383	·385	84	88	55·3	55·6
	¶ „ (City)	53	29·980	—	50·6	60·1	55·4	+5·9	38	26th	69	2nd	54·6	54·4	1·8	1·6	·384	·384	89	90	—	—
	¶ *Waterford*	100	—	—	49·3	60·3	54·8	+5·6	35	26th	70	3rd	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ § Birr Castle	173	29·793	—	47·3	60·4	53·9	+6·2	30	26th	74	3rd	54·6	54·0	1·3	1·6	·399	·382	91	89	—	—
	¶ *Killarney*	174	—	—	50·7	63·1	56·9	+6·6	33	26th	75	3rd	—	—	—	—	—	—	—	—	—	—
	¶ § Valencia	62	29·878	+·017	52·6	60·2	56·4	+5·1	39	26th	71	3rd	56·6	55·7	2·4	2·0	·389	·388	84	87	—	—
			29·883	+·029			56·7	+5·5														
	¶ Roche's Point	42	29·950	+·113	51·5	58·2	54·9	+3·9	39	26th, 27th	64	3rd	54·2	55·4	0·7	1·0	·400	·410	96	94	—	—
11. ENGLISH CHANNEL	District Value				**49·8**	**60·3**	**54·9**	**+5·4**	**25**		**77**											
	¶ § Scilly	20	29·995	+·119	53·0	60·1	56·6	+3·0	43	26th, 27th	65	4th	54·9	57·1	1·1	1·6	·400	·419	94	89	—	—
	¶ § Jersey	36	30·036	+·157	52·5	63·9	58·2	+4·3	37	27th	76	1st, 2nd	56·3	59·4	1·6	2·7	·407	·422	89	84	—	—
	Guernsey (Brooklyn)	311	29·759	—	53·6	62·4	58·0	+4·3	40	28th	75	2nd	58·6	57·3	2·7	2·2	·419	·413	84	86	58·8	59·5
	District Value				**53·0**	**62·9**	**57·9**	**+4·2**	**37**		**78**											

For notes see p. xcix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of OCTOBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a Day. Amount	Most in a Day. Day.	Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Gale (Force 8 and above).	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																						
105	—	32	—	5·8	3·2	1·40	−1·42	0·42	18th	13	0	0	0	8	7	1	—	0	0	31	2	3	10	5	8	1	0	2	Reading.
—	—	—	—	8·4	5·7	1·66	−1·90	0·44	20th	20	0	0	0	2	14	11	3	0	3	6	6	2	0	14	17	9	3	5	Salisbury.
155	—	48	—	7·5	4·6	1·47	—	0·35	24th	13	1	0	0	4	13	2	0	0	5	26	4	4	9	7	4	7	1	0	Dover.
159	+39	49	+12	5·4	—	1·29	−2·24	0·48	20th	10	0	0	0	9	11	0	1	0	6	8	4	6	18	18	2	2	2	2	Brighton.
147	+30	45	+ 9	5·1	2·7	1·73	−2·24	0·80	20th	10	0	0	0	11	4	1	—	0	6	15	1	19	1	12	2	7	3	2	Eastbourne.
134	—	41	—	5·7	—	2·37	−1·03	0·95	18th	11	0	0	0	12	13	0	2	0	20	2	2	4	14	28	2	4	6	0	Portsmouth.
—	—	—	—	7·5	6·4	1·48	−1·76	0·32	27th	16	0	0	0	0	9	8	—	0	23	0	3	9	15	11	10	8	2	4	Dungeness.
153	+34	47	+10	5·0	2·1	1·65	−2·07	0·41	20th, 27th	15	0	0	0	11	2	0	—	0	16	5	2	7	16	17	7	6	2	0	Hastings.
125	+13	38	+ 3	5·4	3·6	1·68	−1·95	0·55	20th	15	0	0	1	10	9	5	4	0	10	3	1	14	1	34	1	4	1	3	Southampton.
131	+ 9	40	+ 3	6·2	—	1·65	−2·12	0·73	18th	11	0	0	1	6	11	2	—	0	11	6	5	10	16	13	8	2	1	1	Ventnor.
133	**+27**	**41**	**+ 8**	**6·2**	**4·0**	**1·76**	**−1·51**	**1·22**		**14**																			
97	—	30	—	8·5	5·3	1·89	—	0·53	16th	8	0	0	0	1	14	3	1	0	0	16	5	8	7	17	4	4	0	1	Tottenham.
85	—	26	—	8·5	—	1·95	−0·79	0·50	16th	10	0	0	0	1	23	6	1	—	—	18	4	12	12	4	4	2	4	2	Camden Square.
98	+29	30	+ 9	6·5	4·0	1·89	−0·84	0·45	16th	14	0	1	0	5	7	3	2	0	2	11	4	7	11	11	6	9	2	1	Westminster.
133	+38	40	+11	6·5	3·4	1·97	−0·81	0·69	17th	10	0	1	0	9	10	13	5	0	1	9	2	5	9	17	9	7	4	0	Greenwich.
—	—	—	—	5·9	3·2	1·98	−0·74	0·46	16th	14	0	1	0	11	7	13	1	0	3	26	0	13	10	4	5	2	2	0	Norwood.
108	+14	33	+ 4	6·5	4·1	2·16	−0·55	0·65	18th	15	0	0	0	6	9	9	4	0	4	26	3	6	14	4	4	4	1	0	Kew.
88	+24	27	+ 7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row
—	—	—	—	8·1	7·3	1·51	−6·16	0·42	9th	12	0	0	0	3	21	0	—	1	40	5	0	0	3	12	34	1	7	0	Laudale.
—	—	—	—	8·1	7·0	1·60	−3·83	0·44	18th	15	0	0	0	0	15	4	—	0	27	13	0	0	7	15	23	3	1	0	Poltalloch.
47	−23	15	− 7	8·7	7·8	1·92	−1·82	0·59	18th	13	0	0	0	0	18	1	4	0	3	18	0	4	17	8	6	8	1	0	Glasgow.
—	—	—	—	6·9	6·2	2·20	−2·56	0·69	18th	15	0	0	0	3	14	11	—	1	12	17	0	2	15	7	8	8	5	0	Rothesay.
—	—	—	—	—	—	1·70	−3·29	0·63	18th	11	—	—	—	—	—	1	3	—	—	—	—	—	—	—	—	—	—	—	Colmonell.
—	—	—	—	6·6	5·8	1·88	−2·16	0·56	19th	15	0	0	0	3	11	2	4	0	4	1	2	9	17	20	2	9	1	1	Dumfries.
—	—	—	—	—	—	2·83	−2·17	0·59	18th	16	0	0	0	—	—	3	—	0	7	0	1	9	6	12	8	13	3	10	Cally.
80	−23	25	− 7	8·0	7·1	1·93	−2·79	0·60	18th, 28th	14	0	0	0	3	17	7	1	0	29	0	0	5	18	17	12	5	2	3	Douglas.
64	**−21**	**20**	**− 7**	**7·7**	**6·9**	**1·84**	**−3·16**	**0·69**		**14**																			
119	+30	37	+ 9	6·9	6·4	2·62	−1·25	0·90	18th	13	0	0	0	2	10	3	5	0	18	6	3	2	12	32	5	1	1	0	Southport.
76	—	24	—	—	—	1·45	−2·28	0·37	19th	7	0	0	0	—	—	1	1	0	1	1	4	8	18	18	9	1	2	1	Manchester (City).
98	—	30	—	6·9	6·5	1·44	—	0·35	20th	7	0	0	0	5	13	3	4	0	7	4	3	4	14	20	11	4	1	1	„ (Whitworth P'k).
119	—	37	—	6·0	5·5	1·60	−2·45	0·40	28th	13	0	0	0	7	9	4	5	0	11	22	6	5	4	9	5	10	0	1	Aspatria.
109	+25	34	+ 8	6·9	5·4	1·69	−2·20	0·31	19th	13	0	0	0	4	11	6	5	0	19	9	2	1	10	22	10	7	1	0	Newton Rigg.
102	+14	32	+ 5	6·4	4·7	2·34	−2·63	0·59	18th	12	0	0	1	4	8	3	4	0	1	30	1	5	14	3	6	3	0	0	Stonyhurst.
120	+28	37	+ 8	6·2	6·3	2·54	−1·48	0·80	18th	9	0	0	0	4	12	0	5	0	9	1	1	5	15	28	5	5	1	1	Blackpool.
101	—	31	—	7·0	5·8	2·30	—	0·40	19th	16	0	0	1	5	12	0	2	0	19	2	2	3	1	20	29	4	0	1	Darwen.
91	+26	28	+ 8	8·4	4·8	1·76	−2·17	0·47	20th	15	0	0	0	4	13	2	1	0	6	10	4	5	11	9	18	4	1	0	Manchester (Prestwich).
97	—	30	—	5·9	6·7	1·82	−1·72	0·70	18th	14	0	0	1	2	11	6	—	0	7	1	1	6	22	23	3	4	1	1	Liverpool, Bidston Obs.
134	+46	42	+15	5·1	7·5	0·98	−2·95	0·32	28th	13	0	0	0	1	10	0	—	0	1	6	1	3	4	14	8	10	16	0	Llandudno.
—	—	—	—	6·5	6·0	1·88	−2·45	0·69	18th	11	0	0	0	1	9	5	—	0	14	11	0	2	10	8	17	12	2	0	Holyhead.
122	—	38	—	4·8	4·5	1·49	—	0·76	28th	13	0	0	0	4	5	0	5	0	2	5	0	2	8	7	7	21	12	0	Bettws-y-Coed.
120	**+34**	**37**	**+10**	**6·4**	**5·8**	**1·81**	**−2·16**	**0·80**		**13**																			
92	—	28	—	8·9	—	2·48	—	1·04	19th	18	0	0	0	0	24	11	9	0	2	24	2	10	4	4	8	2	2	6	Llangammarch Wells.
111	+ 8	34	+ 2	6·7	6·1	3·43	−0·59	0·95	18th	15	0	0	0	2	9	8	—	0	33	0	3	11	13	20	9	3	3	0	Pembroke.
91	—	28	—	—	—	1·71	−2·09	0·59	18th	13	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·3	6·4	4·38	—	1·69	21st	15	0	0	0	5	12	5	—	0	24	1	2	9	17	17	5	5	5	1	Portland Bill.
135	+27	41	+ 8	6·7	5·1	1·96	−1·82	0·70	17th	11	0	0	0	7	11	0	1	0	18	7	5	11	13	16	8	1	0	1	Plymouth.
119	+ 2	36	0	5·7	5·7	2·73	−2·40	0·93	15th	20	0	0	0	9	12	5	—	0	0	18	4	5	8	11	11	1	2	2	Falmouth.
154	+52	48	+17	4·5	3·3	1·67	−2·38	0·72	17th	11	0	0	0	11	5	1	—	0	6	4	0	8	25	13	9	1	2	0	Woolacombe.
122	—	37	—	7·2	6·0	5·16	—	1·30	19th	15	0	0	1	6	14	16	1	0	2	2	5	10	8	17	11	7	1	1	Rousdon.
—	—	—	—	6·2	5·1	2·36	—	0·87	17th	11	0	0	0	6	9	10	3	1	8	3	3	4	10	27	12	2	0	1	Whitchurch.
117	**+15**	**36**	**+ 5**	**6·5**	**5·4**	**2·67**	**−1·87**	**2·93**		**16**																			
—	—	—	—	6·8	7·4	0·90	−2·32	0·36	16th	11	0	0	0	0	10	5	—	2	27	0	0	1	3	18	31	9	0	0	Malin Head.
—	—	—	—	6·2	6·4	1·94	−3·19	0·32	7th	18	0	0	0	0	7	2	—	4	36	0	0	1	4	26	17	10	3	1	Blacksod Point.
88	0	27	0	7·8	6·6	1·30	−2·98	0·22	15th	17	0	0	0	1	13	4	6	1	17	14	0	0	1	28	15	4	0	0	Markree Castle.
—	—	—	—	8·0	8·5	1·87	−1·10	0·40	18th	12	0	0	0	0	21	8	—	0	17	3	2	4	6	20	19	6	2	0	Donaghadee.
94	+ 3	29	+ 1	8·0	6·2	1·77	−1·03	0·65	20th	18	0	0	0	1	13	4	2	0	4	30	0	2	0	13	15	2	0	0	Armagh.
—	—	—	—	—	—	2·43	−0·93	0·77	20th	16	0	0	0	—	—	6	—	0	0	31	0	0	1	7	13	9	1	0	Belfast.
91	**+ 2**	**28**	**0**	**7·4**	**7·0**	**1·56**	**−2·30**	**0·77**		**15**																			
109	0	34	0	7·3	5·5	1·42	−1·43	0·27	20th	16	0	0	0	2	11	6	5	0	3	29	2	2	5	13	7	3	1	0	Dublin (Phœnix Park).
88	—	27	—	6·7	5·5	1·14	—	0·21	20th	10	0	0	0	6	12	4	4	0	3	26	0	0	6	14	0	6	3	1	„ (Trinity College)
—	—	—	—	6·1	5·1	1·22	−1·65	0·22	20th	13	0	0	0	5	8	4	0	0	5	3	1	4	9	21	10	8	4	2	„ (City)
—	—	—	—	—	—	2·95	−0·97	0·62	19th	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
105	+ 7	33	+ 3	7·7	8·1	1·57	−1·36	0·52	19th	11	0	0	0	0	16	0	—	0	7	12	0	0	1	15	29	5	0	0	Birr Castle.
—	—	—	—	—	—	2·96	−2·42	0·56	20th	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
85	−18	26	− 6	7·4	7·0	2·74	−2·74	0·74	7th	18	0	0	1	0	11	1	—	0	24	3	0	3	10	18	22	4	1	1	Valencia.
—	—	—	—	7·7	7·9	3·90	−0·27	1·15	20th	27	0	0	0	0	19	9	—	1	21	1	0	3	15	15	20	4	3	1	Roche's Point.
91	**−11**	**28**	**− 4**	**7·2**	**6·5**	**2·44**	**−1·40**	**1·15**		**18**																			
130	+15	40	+ 5	8·5	8·0	1·34	−2·42	0·21	19th	16	0	0	0	0	22	6	—	0	17	0	1	0	17	12	16	4	3	3	Scilly.
161	+35	49	+11	5·6	5·7	2·80	−1·72	0·91	27th	14	0	2	0	7	10	4	—	0	18	0	1	7	18	21	3	4	3	5	Jersey.
155	+43	47	+13	5·1	4·9	2·41	−2·39	0·66	20th	17	0	0	0	9	7	7	0	0	15	8	1	0	4	15	19	8	1	0	Guernsey (Brooklyn).
149	**+27**	**45**	**+ 8**	**6·4**	**6·2**	**2·18**	**−1·80**	**0·91**		**18**																			

The sunshine entered to Portsmouth is registered at Southsea.

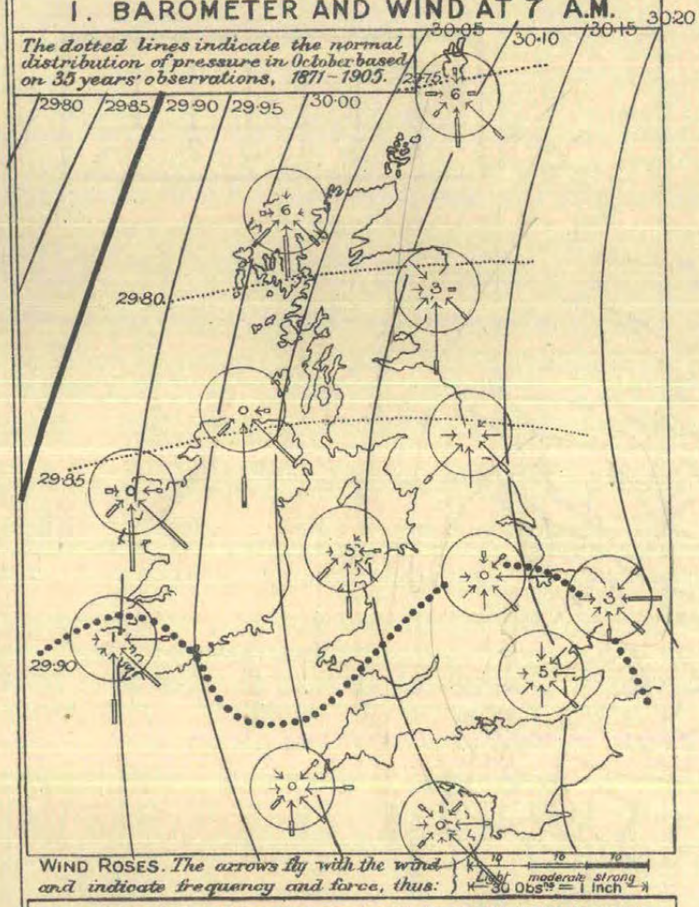
TABLE XX.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, OCTOBER, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
		Ft.	Min. °	Max. °	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0. SCOTLAND, N.	Balta Sound S	31	47·5	53·5	50·5	—	39	29th	60	7th	—	—	—	15	1·17	—	0·21	11th	45	—	15	—
1. SCOTLAND, E.	§ Crathes S	140	44·3	58·7	51·5	—	27	25th	78	3rd	52·5	52·8	4	8	2·91	—	1·55	19th	75	—	24	—
	§ Balruddery S	276	44·7	58·8	51·8	—	29	25th	76	4th	—	—	—	15	3·37	—	0·90	20th	78	—	25	—
	§ Edinburgh	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94	+ 13	30	+ 4
	¶ West Linton S	800	43·6	57·0	50·3	+ 5·0	22	25th	73	2nd, 3rd	—	—	5	15	1·18	—	0·23	27th, 28th	99	—	31	—
2. ENGLAND, N.E.	¶ Alnwick Castle	210	45·6	60·0	52·8	+ 5·7	34	25th	78	3rd	—	—	—	12	2·29	- 1·27	0·84	19th	—	—	—	—
	Newcastle-on-Tyne	152	48·9	59·1	54·0	—	38	25th	77	3rd	—	—	—	17	1·36	- 1·64	0·36	19th	47	- 23	15	- 7
	Ampleforth	349	46·6	58·2	52·4	—	34	25th	77	1st	—	—	—	6	1·06	—	0·65	27th	—	—	—	—
	Tealby	251	48·2	59·7	54·0	+ 5·8	31	25th	78	3rd	—	—	—	8	0·93	- 2·37	0·32	23rd	—	—	—	—
	¶ Fulbeck	180	46·0	61·0	53·5	+ 6·1	30	25th	79	3rd	—	—	—	14	0·90	- 1·57	0·31	16th	—	—	—	—
	§ Rauceby	124	45·1	60·5	52·8	—	32	25th	77	3rd	—	—	3	17	1·26	- 1·46	0·46	16th	100	—	31	—
3. ENGLAND, E.	Felixstowe	10	49·7	59·2	54·5	+ 4·7	34	25th	70	4th	—	—	—	9	1·08	—	0·35	9th	140	—	43	—
	¶ § Rothamsted	424	44·8	60·0	52·4	+ 4·4	31	25th	74	2nd, 3rd	—	—	—	25	2·16	- 0·91	0·77	16th	120	+ 13	37	+ 4
	Shoeburyness	13	47·5	60·5	54·0	+ 3·0	33	25th	73	1st, 4th	—	—	—	21	1·22	- 1·04	0·22	9th	—	—	—	—
	Southend-on-Sea	100	49·8	61·8	55·8	—	34	25th	77	4th	57·1	—	1	8	1·28	- 1·16	0·51	16th	135	—	42	—
4. MIDLAND COUNTIES	¶ § Harrogate	476	45·1	57·1	51·1	+ 4·2	34	22nd, 25th	72	1st, 4th	52·2	52·4	2	16	1·83	- 1·49	0·31	26th	82	—	25	—
	Bradford	330	46·4	58·1	52·3	—	36	25th	75	1st	53·2	55·8	?	20	1·94	—	0·36	18th	56	—	17	—
	¶ Cheadle M	646	46·1	57·6	51·9	+ 5·0	32	28th	71	1st	—	—	3	8	1·60	- 1·66	0·56	18th	—	—	—	—
	¶ Bawtry	65	44·5	60·5	52·5	+ 4·9	31	22nd, 25th	78	1st	—	—	—	18	0·65	- 1·95	0·13	8th	—	—	—	—
	§ Worksop M	56	44·2	60·7	52·5	+ 4·5	30	22nd	77	1st	53·3	54·0	3	16	0·67	- 1·99	0·15	27th	82	- 1	25	- 1
	Kingston-on-Soar	125	44·3	60·4	52·4	—	27	25th	76	1st, 3rd	54·7	—	—	16	0·97	—	0·30	27th	—	—	—	—
	Rugby	379	44·9	60·7	52·8	+ 5·2	30	25th	79	1st	—	—	4	16	1·24	—	0·30	27th	—	—	—	—
	¶ Raunds M	210	44·9	61·8	53·4	+ 5·4	27	25th	80	2nd	—	—	3	12	1·55	—	0·60	16th	—	—	—	—
	Winslow	379	45·4	59·0	52·2	—	30	25th	73	3rd	—	—	—	17	1·30	—	0·28	16th	—	—	—	—
	¶ Hereford M	291	46·5	59·8	53·2	+ 4·8	28	25th	76	1st	—	—	5	21	2·34	- 0·43	1·18	18th	—	—	—	—
	¶ § Cirencester	446	45·0	59·8	52·4	+ 4·8	31	25th, 28th	76	1st	—	—	1	20	1·77	- 1·38	0·53	20th	90	- 11	28	- 3
5. ENGLAND, S.E.	Epsom	160	44·8	63·8	54·3	—	29	25th	81	2nd	—	—	6	17	2·30	—	0·70	18th	—	—	—	—
	Wokingham	216	42·9	62·5	52·7	—	23	25th	78	1st	—	—	—	11	2·27	—	0·99	18th	—	—	—	—
	Maidenhead	99	44·8	63·9	54·4	—	31	25th	82	1st	—	—	4	16	2·48	- 0·54	0·74	18th	—	—	—	—
	¶ § Marlborough	424	44·5	60·8	52·7	+ 5·1	29	24th, 25th	75	1st, 2nd	—	—	5	13	1·39	- 2·01	0·47	20th	111	+ 15	34	+ 4
	Bucklebury	409	44·6	59·9	52·3	—	29	25th	74	1st, 2nd	—	—	4	13	1·26	—	0·38	20th	—	—	—	—
	¶ Swarraton M	310	44·9	61·4	53·2	+ 5·2	31	25th	76	2nd	—	—	—	24	1·82	- 1·75	0·55	18th	—	—	—	—
	¶ § Margate	35	51·1	62·2	56·7	+ 5·6	39	25th	77	2nd	54·8	55·9	0	13	1·29	- 1·31	0·23	24th, 25th	151	+ 45	47	+14
	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	11	1·32	—	0·26	25th	155	—	48	—
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	163	—	50	—
	¶ § Wisley	150	45·4	62·1	53·8	+ 5·1	31	25th	77	2nd	54·3	56·3	2	9	2·53	—	1·22	18th	113	—	35	—
	¶ § Tunbridge Wells M	421	46·4	61·3	53·9	+ 5·1	31	25th	76	2nd	54·4	—	3	13	1·93	- 1·60	0·68	20th	149	+ 40	46	+12
	Folkestone	121	48·9	60·3	54·6	—	36	25th	75	1st	—	54·7	—	9	0·94	- 2·36	0·24	24th	150	—	46	—
	§ Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	143	—	44	—
	Bexhill	27	52·0	60·3	56·2	—	34	25th	69	4th	57·8	—	3	19	2·12	—	0·77	20th	154	—	47	—
	Lewes	58	45·6	61·3	53·5	—	33	22nd, 25th	75	4th	—	—	—	25	1·53	—	0·37	20th	—	—	—	—
	§ Worthing	36	50·1	61·1	55·6	+ 4·8	33	25th	72	4th	56·0	57·3	1	10	1·24	- 2·21	0·31	18th	151	—	46	—
	Bognor	20	50·1	59·6	54·9	—	34	25th	69	4th	—	57·0	1	17	2·64	—	1·03	18th	138	—	42	—
	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	135	—	41	—
	Totland Bay	140	50·7	60·8	55·8	+ 4·6	34	25th	73	2nd	—	—	0	14	1·71	- 1·95	0·49	27th	143	—	44	—
	Sandown	—	52·1	61·7	56·9	—	36	25th	70	4th	—	—	—	14	1·59	—	0·65	18th	136	—	42	—
	Bournemouth	145	48·5	60·9	54·7	—	32	25th	74	4th	55·1	56·6	—	17	2·22	—	0·61	26th	123	—	38	—
6. SCOTLAND, W.	Oban	20	51·3	61·3	56·3	—	33	26th	73	2nd	—	—	1	14	1·32	—	0·24	8th	72	—	23	—
	¶ Thorntonhall (Lanarkshire)	440	44·9	58·8	51·9	—	25	25th	76	3rd	—	—	4	12	1·28	—	0·34	18th	94	—	30	—
	Kilmarnock	90	47·2	60·2	53·7	+ 6·4	26	26th	75	3rd	—	—	—	11	0·97	—	0·21	18th	89	—	28	—
7. ENGLAND, N.W.	Carnforth	174	48·1	60·3	54·2	—	33	25th	79	3rd	—	—	3	12	2·33	—	0·61	18th	107	—	33	—
	Lancaster	311	50·0	63·1	56·6	—	34	25th	77	2nd	—	—	3	10	2·22	—	0·50	20th	117	—	36	—
	§ Burnley	459	46·8	59·5	53·2	—	32	26th	78	3rd	52·1	53·0	4	9	1·28	—	0·28	28th	102	—	32	—
	Hoylake	30?	48·3	61·2	54·8	—	34	22nd	76	1st	—	—	4	10	1·61	—	0·67	18th	115	—	36	—
	Rhyl	30	47·9	61·7	54·8	—	30	25th, 26th	77	3rd	—	—	2	15	1·19	- 2·46	0·46	19th	143	—	44	—
	¶ Colwyn Bay	65	51·5	61·5	56·5	—	37	22nd	75	3rd	—	—	—	9	1·18	—	0·41	28th	143	—	44	—
	Hawarden Bridge	22	46·9	60·8	53·9	+ 4·3	32	26th	76	3rd	—	—	—	15	1·98	- 1·23	0·70	18th	—	—	—	—
	§ Towyn	10	50·4	63·7	57·1	—	27	25th	79	3rd	56·2	56·7	4	10	2·44	—	0·44	20th	140	—	43	—
	§ Aberdovey	22	52·2	62·9	57·6	—	34	25th	79	3rd	—	—	—	12	2·08	—	0·39	28th	135	—	42	—
8. ENGLAND, S.W.	Aberystwyth	59	54·9	63·4	59·2	—	40	22nd	78	3rd	—	—	—	—	—	—	—	—	118	—	37	—
	Haverfordwest	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	111	—	34	—
	Tenby	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	120	+ 12	37	+ 4
	Port Talbot	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124	—	38	—
	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	—	10	2·71	—	0·90	18th	—	—	—	—
	" "	900	—	—	—	—	—	—	—	—	—	—	—	14	2·35	—	0·70	18th	—	—	—	—
	¶ Cardiff	50	48·0	59·9	54·0	+ 4·6	32	25th	74	1st	55·3	56·2	3	22	3·14	- 1·59	1·06	19th	95	—	29	—
	Swansea	24	—	61·6	—	—	31	25th	73	1st, 3rd	—	—	2	12	2·30	—	0·70	20th	—	—	—	—
	¶ Shaftesbury M	722	48·8	59·2	54·0	+ 5·3	31	25th	74	2nd	55·5	—	—	15	2·08	- 1·62	0·90	18th	—	—	—	—
	¶ Arlington	613	48·3	60·7	54·5	+ 5·3	31	25th	77	4th	—	—	—	16	1·66	- 4·68	0·26	15th	—	—	—	—
	¶ § Cullompton M	202	47·3	62·1	54·7	+ 5·9	30	25th	77	2nd	—	—	3	17	3·09	- 0·81	0·73	19th	91	- 4	28	- 1
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	114	+ 4	35	+ 1

MONTHLY WEATHER CHARTS, OCTOBER, 1908.

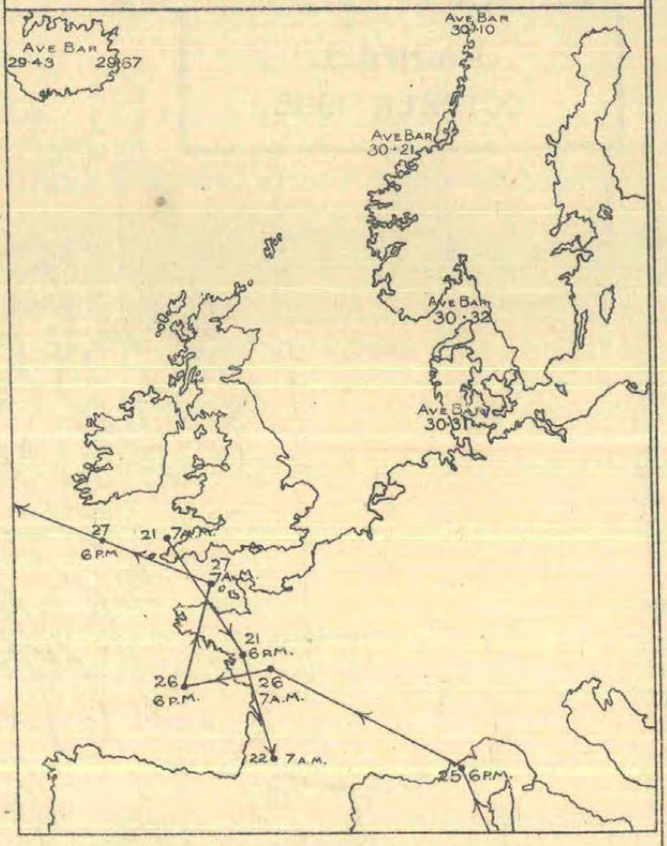
1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in October based on 35 years' observations, 1871–1905.



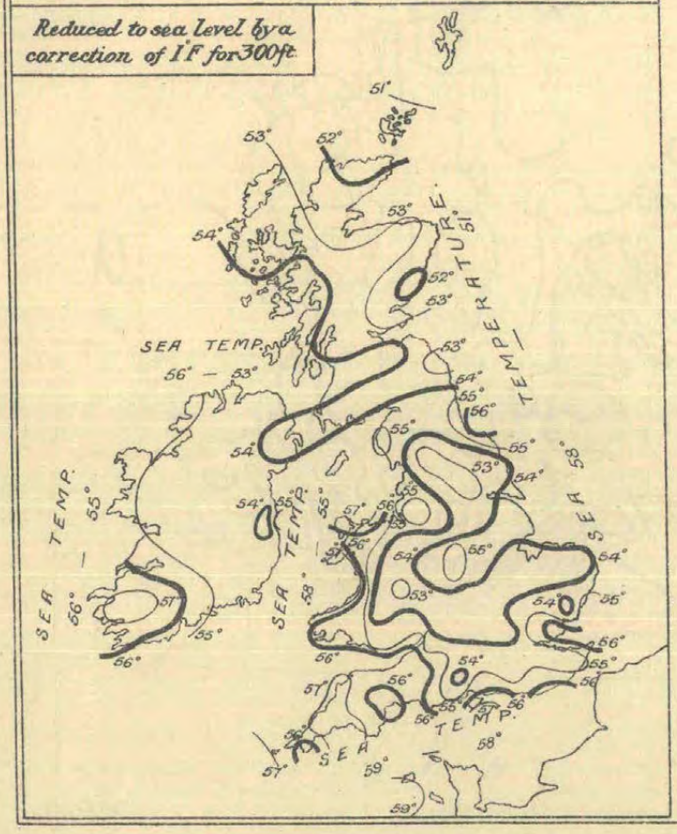
WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light, moderate, strong — 30 Obs. = 1 inch

2. MOVEMENTS OF DEPRESSIONS.



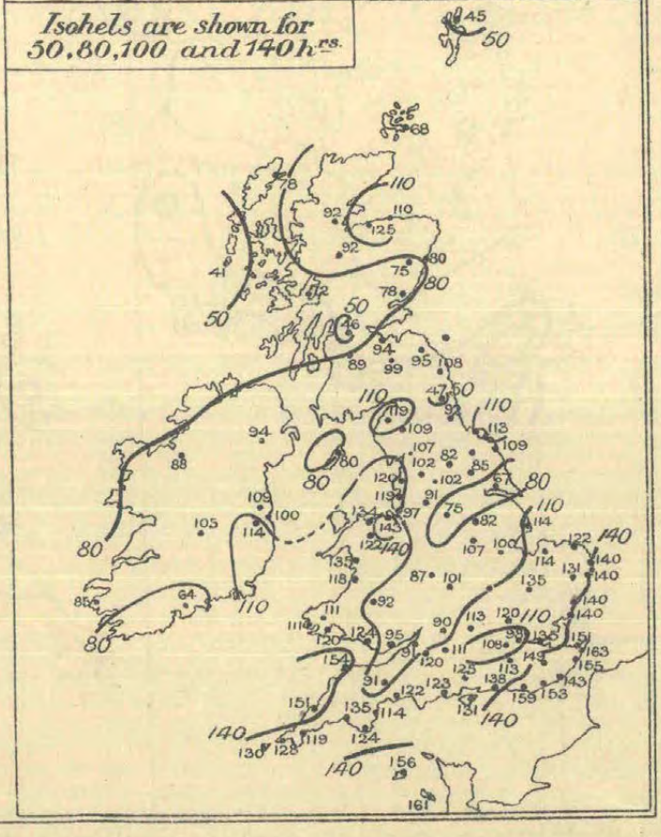
3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300 ft.



4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 50, 80, 100 and 140 hrs.



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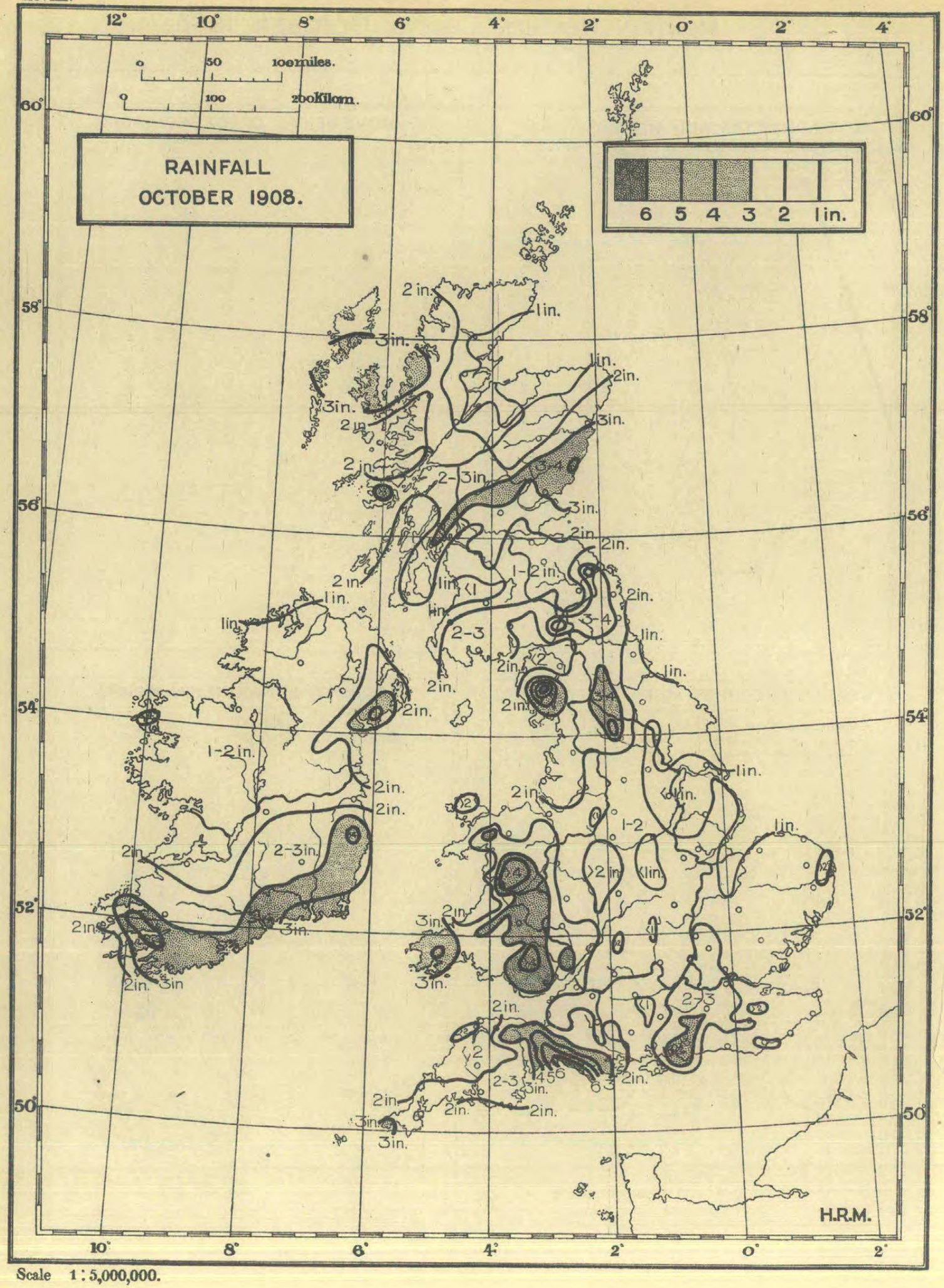

Scale 1 : 5,000,000.

TABLE XX (*continued*).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, OCTOBER, 1908.

DISTRICT.		STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
			Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
8. ENGLAND, S.W.—(*continued*)		Weymouth	21	51·3	61·6	56·5	—	34	25th	73	4th	—	—	—	13	6·50	—	2·93	21st	133	—	41	—
	§	Newquay	100	51·4	61·7	56·6	+ 4·2	35	25th	73	4th	56·7	—	—	10	2·28	−1·89	0·98	17th	151	+ 40	46	+12
		Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	124	—	38	—
		Penzance	54	52·3	61·1	56·7	—	36	25th	70	4th	—	—	—	15	3·22	—	1·56	15th	128	—	39	—
9. IRELAND, N.		— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.		Dublin (Glasnevin)	67	47·6	60·2	53·9	+ 5·6	32	25th	71	1st	—	—	5	15	1·51	−1·35	0·41	7th	—	—	—	—
		Kingstown	—	50·9	60·0	55·5	—	40	25th	68	2nd, 3rd	—	—	—	14	2·31	—	0·57	20th	100	—	31	—
		Clongowes Wood College	245	43·7	61·7	52·7	—	25	23rd	77	3rd	—	—	6	13	1·76	—	0·47	19th	114	—	35	—
	¶	Kilkenny	212	48·2	59·8	54·0	+ 5·5	32	26th	72	3rd	—	—	—	17	2·84	−0·26	0·81	15th	—	—	—	—
	¶	Cahir	199	48·3	59·9	54·1	+ 5·1	29	26th	72	3rd	—	—	—	20	2·19	—	0·44	19th	—	—	—	—
	¶	Foynes	108	49·6	61·1	55·4	+ 6·2	35	23rd, 26th	74	3rd	—	—	—	22	1·55	−2·20	0·24	29th	—	—	—	—
	§	Ballinacurra	34	50·2	59·9	55·1	—	35	26th	68	3rd	—	—	—	21	3·70	—	1·12	20th	64	—	20	—
11. ENGLISH CHANNEL	¶ §	Guernsey (Villa Carey)	180	53·6	64·7	59·2	+ 5·5	40	27th	78	1, 2, 4th	—	—	—	23	2·41	−2·39	0·66	20th	156	+41	48	+13

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for **latitude** has not been applied to the readings quoted in the Tables. It is applied to the readings at sea level from which the chart showing the mean monthly distribution of pressure is prepared. The values given in the tables are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 3, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumns of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked 𝔖 is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street London, S.W. November 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

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THIRTY-THIRD YEAR. Vol. XXV. (New Series) Weekly Weather Report. } No. XI. NOVEMBER, 1908. [Price 6d. Annual Subscription post paid, 6s. 6d.

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The mean distribution of atmospheric pressure for November did not differ greatly from the normal, the lowest barometer readings being indicated to the south-westward of Iceland, the mean value at Reykjavik being 29·49 ins. Thence in a south-easterly direction across the British Isles the values show a gradual increase to 30·11 ins. at Paris, whereas at the Azores it was slightly below 30·1 ins. There was in all parts of the United Kingdom an excess of pressure, ranging from 0·01 in. at Sumburgh Head, and 0·04 in. at Wick, to more than 0·1 in. at most stations in England and Ireland, and as much as 0·13 in. at Yarmouth. For the time of year the extreme range of pressure was generally rather small, 0·8 in. at Pembroke, and an inch or less at a number of other places in the south. Only in the north-east of Scotland did it amount to or slightly exceed 1·5 in. On the 17th the barometer rose to 30·48 ins. at Scilly, and on the 30th to 30·47 ins. at Dover and Oxford, while readings below 29 ins. were limited to the stations in the north of Scotland, 28·68 ins. at Sumburgh Head on the 22nd, and 28·98 ins. at the same place on the 25th. The mean pressure gradient was steeper than usual, 0·3 in. between Jersey and Shetland, instead of the normal 0·2 in. Although the pressure distribution was of a south-westerly type the winds varied greatly in direction, in the main Southerly to Westerly, but over the southern districts there was a considerable proportion of Northerly to Easterly breezes.

During the first week the almost unvarying distribution of pressure which had formed such a remarkable feature of the October conditions was maintained without any great variation, an area of low pressure lying to the south-westward, and high pressure prevailing to the northward and eastward. This produced a great preponderance of South-Easterly and Easterly winds, which were, however, of very little force until, on the 7th, the depression to the south-westward began to increase in intensity and at the same time to move eastward across the Bay of Biscay for the Western Mediterranean. Strong or high Easterly winds then set in on our southern and eastern coasts, and on the evening of the 7th and the morning of the 8th a gale was felt at Portland Bill. On the former date the pressure tube anemometer at Pendennis Castle indicated a wind velocity of 45 miles in an hour, and in a gust at the rate of 55 miles per hour. The strong to high wind held until the 10th. This period was marked by generally fine and dry weather, a very large number of stations in England and Wales registering no rain through the first nine or ten days.

A change now took place in the type of pressure distribution, and from the 11th onward anticyclones occupied positions to the south-west, south or south-east—from the Atlantic to central Europe—the barometer rising above 31 ins. at Lemberg on the evening of the 15th—while depressions were rather frequent to the north-west, north and north-east, or east of the British Isles, of no great depth as a general rule, the barometer sinking on the Norwegian coast to below 28·8 ins. on the 17th, and 28·7 ins. on the 22nd, and in Iceland below 28·5 ins. on the 24th, 27th and 28th. Southerly to Westerly winds were therefore largely in the ascendant over this country, occasionally veering temporarily to between West and North. Under these conditions the air movement was brisk in many localities every day for three weeks, the force of at least a high wind being felt on some part or other of our coasts daily. On the approach of the Atlantic low pressure on the 11th a Southerly gale sprang up locally on the Irish coast, and at Blacksod Point it increased to a strong gale. One of the very few thunderstorms of the month occurred on the morning of the 13th along the south coast of England, from Penzance to the Straits of Dover, associated with a shallow irregularity of pressure over Wales and the Irish Sea. A small secondary disturbance appeared off the south-west of Ireland on the evening of the 13th, and during the passage of this minimum to the Irish Sea and the south-east of England on the following day, a Southerly gale was felt at Stornoway, a strong Southerly gale at Pembroke, a whole gale from South-East at Donaghadee, and a Northerly gale at Holyhead. From the 16th to the 21st, with disturbances passing eastward beyond the Arctic Circle, Southerly to Westerly or North-Westerly gales were reported daily at one or more of the exposed coast stations in the north and north-west, a strong Westerly gale at Malin Head on the 17th, and Northerly at Holyhead on the 19th.

The most important disturbance of the month made its appearance to the westward of Scotland on the evening of the 21st. A rapid fall of the barometer set in, the pressure minimum passing round by Shetland to southern Scandinavia and the Baltic by the evening of the 23rd. From the morning of the 22nd to the forenoon of the following day a Westerly or North-Westerly gale blew on nearly every section of our coasts, a strong gale at Barra, Jersey and Portland Bill, and a whole gale at Blacksod Point and Malin Head. According to the anemometrical records a mean hourly velocity of 52 miles was attained at Holyhead, 54 miles at Southport, and 56 miles at Fleetwood, while in the squalls a velocity at the rate of 61 miles an hour was reached at Roche's Point, 63 miles at Aberdeen, 64 miles at Gorleston, 70 miles at Scilly, 72 miles at Holyhead, and 73 miles at Southport. The disturbance produced the heaviest rain of the month, but there were few falls of more than an inch—on the 21st 1·1 in. at Ardnadam (Argyll), 1·2 in. at Arlington, Buxton, Rothesay and Laudale, 1·5 in. at Bethesda, 1·6 in. at Stonyhurst, 1·7 in. at Darwen, and 1·8 in. at Killybegs; on the 22nd 1·1 in. at Gruline (Mull), and 1·2 in. at Kinlochewe (Ross). Lightning was reported on the 22nd at several stations in Ireland, Scotland and the north of England, thunder and lightning at Dunfanaghy (Donegal).

From the 24th to the 28th an unsettled southerly to westerly type of conditions continued, the wind rising to the force of a gale each day at some of the west coast stations, a strong gale at Stornoway, Barra, and Malin Head on the 25th, at Malin Head on the 26th and 28th, and a whole gale at Blacksod Point on the 27th. A few falls of over an inch of rain occurred in the far west and north-west on the 27th and 28th. Thunderstorms visited various parts of Scotland, Markree Castle and Newton Rigg on the 25th. The next two days were very quiet, an anticyclone having spread all over the country from the Continent.

A very notable feature of the month's weather was its almost uniform mildness, coupled with more than usual sunshine in many districts, and an appreciable decrease in the frequency and intensity of fog. Afterncon temperatures of 60° or above were recorded in various localities at the commencement, about the middle, and towards the close, 63° at Brighton and Southampton on the 1st, and at Jersey on the 2nd, while Guernsey (Villa Carey) touched 65° on the 2nd and 3rd. Generally, however, the maxima were above 50°; even so far north as Kilmarnock and Oban they failed to reach this level on only six days, and in the west, at Swansea, on only two days. Similarly, the night minima rarely descended below 40°, in several instances they were as high as 50° or above. But there were some striking exceptions, all of very brief duration. Between the 8th and the 11th there was a sudden and severe frost, with shade temperatures of 20° and under at a number of stations, 17° at Kingston (Derby), Nottingham and Woburn, 16° at West Linton and Barnet, 15° at Garforth, and 10° at Wokingham. Another, but less severe frost occurred on the morning of the 20th, 25° at Carlisle, Newton Rigg and Kingston, and 22° at West Linton. The frost on the 30th was most severe generally in Ireland, 26° at Cahir, Kilkenny and Markree Castle, 25° at Clongowes Wood, 24° at Glasnevin and Hawarden Bridge, and 22° at Bawtry. Scotland was thus less affected than the rest of the Kingdom.

Aurora was reported at Gordon Castle on the 3rd, at Deerness on the 17th, and over north-eastern Scotland on the 23rd.

A good deal of fog occurred on the western and eastern coasts in the first few days, but subsequently there were few reports, mostly on the east coast.

The temperature of the sea water along the coasts was nearly everywhere considerably colder than in October, by 8° at the Shipwash, and 10° at Margate. Notwithstanding this the water was warmer than the air on shore, by 4° or 5° in many neighbourhoods, 6° at Burntisland and Wick, and 7° at the Owers (off Spithead).

Rainfall.—At Stornoway the precipitation was 1·2 in. above the average, and at a few other northern stations there was a small excess, but generally the figures disclose a deficiency, in many localities of more than an inch, up to 3 ins. at Guernsey (Villa Carey), and 3·7 ins. at Falmouth. The largest aggregates were 6·4 ins. at Fort William, 6·6 ins. at Bethesda and Stornoway, 7·1 ins. at Laudale, 7·2 ins. at Gruline, 9·1 ins. at Kinlochewe, and 9·3 ins. at Glencarron. In numerous instances they were less than an inch, down to 0·6 in. in the Forest of Dean (200 ft.), and 0·5 in. at Chelsea. At Foynes rain was measured on 29 days, and at Balta Sound on 26 days, but as a rule the falls were not frequent, on less than 10 days at a number of stations, 4 days in the Forest of Dean (200 ft.).

Bright Sunshine.—As a general rule the weather was brighter than usual, especially in the south, where the excess of sunshine ranged upwards to 47 hours at Jersey, 48 hours at Ventnor, and 53 to 60 hours in Guernsey. The largest totals were 122 hours at Guernsey and 123 hours at Jersey (46 per cent. of the possible duration); the smallest, 18 hours (7 per cent.) at Huddersfield, and 17 hours at Manchester City (7 per cent.) and Balta Sound (8 per cent.).

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TABLE XXI.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum	Day.	Absolute Maximum	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. or at 9 a.m. and 9 p.m. Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	At 4 feet depth
			ft.	Ins.	Ins.	° Min.	° Max.	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.	¶	Sumburgh Head	126	29·595	+ ·010	38·7	47·9	43·3	+1·0	31	20th	53	1st	43·8	43·8	1·6	1·8	·250	·246	88	86	—	—
Islands.	§	Deerness	163	29·607	—	40·8	48·1	44·5	+2·1	33	19th	54	1st	45·1	44·4	2·0	2·0	·260	·252	86	85	—	—
	¶ §	Stornoway	52	29·732	+ ·052	41·2	50·6	45·9	+3·6	32	20th	57	3rd	45·8	46·5	0·9	1·2	·289	·288	94	91	—	—
		Castlebay	38	29·756	+ ·067	45·8	52·2	49·0	+4·4	38	25th	55	1, 3, 11th	49·5	49·7	1·7	1·8	·311	·312	89	88	—	—
Mainland.	¶	Wick	80	29·700	+ ·043	39·2	49·5	44·4	+2·7	30	24th	57	1st	44·4	44·4	1·5	1·6	·259	·257	89	88	—	—
	¶	Lairg §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Strathpeffer	210	29·596	—	38·5	49·5	44·0	+3·6	30	10th, 20th	55	25th	43·6	42·6	1·8	1·4	·245	·242	86	89	—	—
	¶	Glencarron §	504	29·282	—	38·5	48·7	43·6	+2·9	30	20th	57	11th	43·3	43·2	1·6	2·1	·246	·234	88	84	—	—
	¶ §	Fort Augustus §	73	29·777	—	38·0	48·7	43·4	+1·6	27	20th	56	12th	43·1	43·7	1·2	1·6	·252	·249	90	87	—	—
	¶	Fort William §	38	29·832	—	39·1	49·7	44·4	+1·7	27	9th	56	11th, 12th	43·7	44·1	1·9	1·8	·244	·249	85	85	—	—
		Dunrobin Castle §	16	29·783	—	39·2	49·6	44·4	+2·2	32	20th	55	12th	44·6	44·1	1·8	1·7	·260	·256	87	88	46·7	—
		District Value				**39·1**	**49·2**	**44·2**	**+2·0**	**27**		**57**											
1. SCOTLAND, E.	¶ §	Nairn	82	29·741	+ ·051	37·1	49·3	43·2	+2·2	29	20th	56	24th	42·6	43·0	1·6	1·6	·238	·242	87	87	—	—
	¶	Gordon Castle §	107	29·714	—	37·5	50·7	44·1	+2·1	28	10th	60	1st	45·0	44·4	2·9	2·4	·235	·240	79	82	—	—
	¶ §	Aberdeen	90	29·767 / 29·762	+ ·053 / + ·054	40·2	48·5	44·4 / 44·5	+2·5 / +2·3	33	20th	53	24th	43·6	44·0	2·1	2·2	·239	·240	84	83	—	47·6
		Tillypronie §	1120	29·660	—	35·1	47·3	41·2	+3·4	27	20th	59	1st	40·8	39·7	1·8	1·6	·221	·217	86	87	—	—
	¶	*Balmoral* §	927	—	—	33·3	50·3	41·8	+3·6	24	10th	58	1st	39·3	—	—	—	—	—	—	—	—	—
		Dundee §	164	29·719	—	37·7	47·5	42·6	+1·4	28	10th, 20th	53	4, 24, 28th	42·7	42·0	0·7	0·7	·263	·255	94	94	—	—
	¶	Crieff §	436	29·423	—	37·6	48·3	43·0	+2·0	28	10th, 20th	56	22nd	42·6	42·5	1·8	1·6	·235	·238	87	87	—	—
	¶	Leith	37	29·848	+ ·071	39·5	50·7	45·1	+2·0	26	10th, 11th	57	11th, 28th	44·4	45·8	1·7	1·9	·255	·266	88	86	—	—
	¶ §	Marchmont §	500	29·365	—	37·2	49·6	43·4	+2·8	28	8, 9, 10, 20th	56	1st	42·1	42·2	1·8	1·8	·230	·231	86	87	43·3	—
		District Value				**37·0**	**49·3**	**43·2**	**+1·8**	**16**		**60**											
2. ENGLAND, N.E.	§	Cockle P'rk (Morpeth)	331	29·572	—	37·0	47·7	42·4	—	27	10th	54	28th	44·0	42·5	1·2	1·2	·266	·249	90	90	42·4	46·5
	¶	Shields	117	29·809	+ ·095	38·0	50·4	44·2	+1·1	27	9th	54	2, 12, 24th	43·3	46·2	1·3	1·9	·252	·270	90	87	—	—
		Seaham	138	29·805	—	39·4	49·3	44·4	+1·3	30	8th	55	22nd	44·1	42·9	1·3	1·2	·265	·255	89	91	—	—
Northern Part.	¶ §	Durham	352	29·572	—	36·9	48·8	42·9	+1·3	23	8th	54	12th	42·4	42·3	1·3	1·4	·249	·246	90	89	—	—
		Whitby	145	29·796	—	38·6	51·4	45·0	+0·8	26	8th	59	12th	43·4	43·6	1·7	1·7	·251	·252	87	87	—	—
	¶	Rounton M	245	29·695	—	37·0	49·2	43·1	+1·4	24	8th	56	12th	41·8	42·0	1·1	1·2	·241	·240	91	90	45·4	—
	¶ §	Scarborough M	100	29·828	—	41·5	51·4	46·5	+2·9	32	20th	58	1st	45·3	45·6	1·8	1·8	·261	·266	87	87	—	50·5*
	¶ §	York	53	29·948	—	39·2	50·6	44·9	+2·3	26	8th	57	12th, 22nd	43·7	44·4	1·4	1·2	·254	·265	88	91	46·8	50·2
		Hull	12	29·999	—	39·3	50·3	44·8	+2·4	26	8th	56	1st	45·1	44·6	1·9	1·7	·256	·256	85	87	44·5	50·3
Southern Part.	¶	Spurn Head	28	29·952	+ ·105	43·5	49·9	46·7	+2·5	37	20th, 21st	56	5th	46·0	47·1	1·8	2·2	·269	·272	87	84	—	—
	§	Skegness	16	30·002	+ ·126	40·9	50·1	45·5	—	28	21st	57	12th	44·6	46·1	1·6	1·9	·258	·268	88	86	—	—
	¶	Lincoln	42	—	—	38·9	50·8	44·9	+2·8	28	10th, 30th	57	22nd	44·2	44·4	1·7	2·2	·258	·251	87	82	44·8	50·8
		District Value				**39·0**	**50·3**	**44·7**	**+1·5**	**22**		**59**										**45·0**	**49·7**
3. ENGLAND, E.	¶ §	Cromer	139	29·878	—	40·6	50·6	45·6	—	30	11th	57	12th	45·4	44·7	1·3	1·3	·273	·266	91	90	—	—
	¶ §	Hillington M	92	29·926	—	37·7	49·9	43·8	+1·5	25	10th	58	1st	44·2	43·5	1·3	1·3	·260	·253	90	89	—	—
	¶	Norwich	93	—	—	39·3	50·1	44·7	—	23	10th	57	12th, 22nd	—	—	—	—	—	—	—	—	—	—
Northern Part.	¶ §	Yarmouth	21	29·993	+ ·129	41·4	50·0	45·7	+2·0	32	21st	57	12th	45·2	47·2	1·9	2·5	·258	·266	86	83	45·7	50·9
		Lowestoft M	75	29·968	—	41·9	50·3	46·1	+1·8	33	20th	58	12th	47·6	45·5	2·4	1·7	·273	·265	83	87	45·9	50·6
	¶ §	Geldeston	47	29·996	—	38·9	51·2	45·1	+1·6	24	10th	60	12th	45·5	44·8	1·6	1·4	·268	·264	88	89	—	—
	¶ §	Cambridge	43	30·001	—	38·5	51·8	45·2	+2·6	18	10th	59	12th	44·2	44·0	1·2	1·1	·270	·267	91	91	45·8	51·0
		Woburn	294	29·753	—	38·7	51·3	45·0	—	17	10th	58	1st	44·9	44·1	1·3	1·2	·273	·269	89	91	—	—
		Bennington M	411	29·640	—	39·0	51·5	45·3	+2·9	24	10th	58	3rd	44·4	43·4	1·3	1·1	·258	·257	88	91	46·9	50·2
Southern Part.	¶ §	Clacton	62	29·983	+ ·123	42·4	51·1	46·8	+2·6	32	20th, 21st	60	12th	45·6	47·4	1·5	2·4	·271	·270	89	83	48·4	52·6
		Berkhamsted M	397	29·634	—	38·7	51·9	45·3	+2·9	20	10th	59	12th	44·1	43·7	1·1	1·1	·264	·260	91	91	46·7	—
		District Value				**39·9**	**50·9**	**45·4**	**+2·0**	**17**		**60**										**46·9**	**51·3**
4. MIDLAND COS.		Garforth	198	—	—	35·9	49·5	42·7	—	15	10th	55	21st, 28th	43·0	42·4	1·4	1·5	·251	·245	90	88	45·5	49·0
		Huddersfield	411	29·550	—	39·1	48·6	43·9	—	21	10th	56	11th	42·5	43·3	1·2	1·2	·251	·257	90	91	44·7	49·2
		Wakefield M	100	29·890	—	38·9	51·6	45·3	+2·4	21	10th	58	24th	44·2	45·0	1·3	1·5	·260	·264	90	88	—	—
		Belvoir Castle	276	29·731	—	38·3	50·3	44·3	+1·8	21	10th	57	11th, 26th	44·0	43·7	1·2	1·1	·261	·260	90	91	—	48·8*
		Coventry	309	29·717	—	40·7	51·2	46·0	+3·1	23	10th	57	1, 11, 22nd	44·4	—	1·5	—	·259	—	89	—	46·4	51·3
Eastern Part.	¶ §	Nottingham	85	29·919	+ ·103	38·2	50·7	44·5	+2·0	17	10th	58	11th	42·8	45·7	1·2	1·9	·249	·265	91	87	45·3	49·6
	¶ §	Birmingham	542	29·443	—	40·4	50·4	45·4	+2·7	25	10th	58	11th	43·6	45·2	1·4	1·8	·257	·266	89	87	46·3	49·9
	¶ §	Oxford	212	29·837 / 29·828	+ ·129 / + ·117	40·5	52·3	46·4	+3·2	21	10th, 11th	60	1st	44·1 / 46·2	45·2 / —	1·2 / 2·0	— / —	·262 / ·267	— / —	90 / 86	— / —	—	—
	¶ §	Bath	84	29·967	+ ·141	41·0	52·8	46·9	+2·2	25	10th	60	1st	44·9	48·7	1·1	—	·272	—	92	—	49·2	53·9
	¶	Shrewsbury	212	29·795	—	37·6	51·2	44·4	+1·1	20	10th	59	11th	43·3	44·1	1·1	1·0	·262	·275	91	93	—	—
		Buxton M	997	28·935	—	36·9	47·7	42·3	+2·1	23	10th	55	3rd	41·8	41·5	1·1	0·8	·241	·244	91	93	45·5	49·4
Western Part	§	Sheffield	450	29·524	—	40·3	50·4	45·4	+2·0	27	10th	57	12th	44·6	45·1	1·9	1·8	·256	·265	85	87	45·9	49·8
		Stokesay	375	29·636	—	36·5	51·4	44·0	—	18	10th	58	12th	45·2	43·6	1·5	0·8	·266	·256	89	93	—	—
		Cheltenham M	206	29·835	—	41·5	51·7	46·6	+3·4	25	10th	58	22nd	46·9	45·9	2·0	1·8	·274	·268	85	87	—	—
		District Value				**38·9**	**50·8**	**44·9**	**+2·2**	**15**		**60**										**46·0**	**49·9**

For notes see p. cix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of NOVEMBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount.		Total Fall.	Diff. from Av.	Most in a day.		Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Wind-force 8 and above.	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
				a.m.	p.m.			Amount	Day																				
Hrs.	Hrs.	%	%	8·5	8·6	Ins. 3·73	Ins. −0·23	Ins. 0·53	20th	25	1	0	1	0	**22**	1	—	2	22	13	3	3	3	6	6	4	16	6	Sumburgh Head.
—	—	—	—	7·3	6·9	4·35	+0·39	0·50	17th, 25th	20	1	1	1	1	*11*	2	—	2	34	3	2	1	4	9	**16**	12	*9*	4	Deerness.
36	− 2	16	− 1	7·1	7·6	6·58	+1·17	0·77	24th	29	0	4	2	0	12	3	—	**12**	**36**	8	2	1	0	2	9	**23**	*9*	6	Stornoway.
44	+ 2	19	+ 1	7·1	7·6	3·40	—	0·50	21st	20	0	**6**	0	0	16	3	—	6	31	2	2	1	4	**13**	8	9	16	5	Castlebay (Barra Isd.)
42	—	18	—	8·2	8·0	3·23	+0·39	0·54	20th	19	**2**	3	0	0	14	1	—	3	19	2	4	0	12	0	12	7	12	11	Wick.
—	—	—	—	7·1	7·5	4·43	+0·75	0·72	23rd	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
—	—	—	—	—	—	3·11	+0·17	0·60	22nd	23	1	0	0	**2**	13	0	—	0	15	**23**	2	0	0	0	4	11	13	7	Strathpeffer.
41	− 2	18	0	7·2	7·3	9·27	+0·22	1·07	17th	22	0	0	2	**2**	17	1	—	1	17	*1*	**11**	0	**16**	0	2	*1*	**29**	0	Glencarron.
—	—	—	—	8·1	7·7	4·35	+0·09	0·66	24th	16	1	0	1	**2**	20	3	—	2	16	6	0	4	1	0	7	21	17	4	Fort Augustus.
24	+ 3	10	+ 1	7·7	8·1	6·44	−1·78	0·71	27th	19	0	0	**3**	**2**	13	**7**	—	3	14	8	1	**7**	9	0	1	18	15	1	Fort William
—	—	—	—	7·5	7·2	3·57	+0·37	0·53	22nd	20	0	0	0	—	—	0	—	1	*9*	17	3	3	8	0	0	2	10	**17**	Dunrobin Castle.
36	**0·0**	**16**	**0**	**7·6**	**7·7**	**5·43**	**−0·09**	**1·07**		**22**																			
55	—	24	—	7·3	7·6	2·29	+0·08	0·62	22nd	20	0	0	0	0	**16**	4	—	0	4	**24**	0	0	0	0	0	9	24	*3*	Nairn.
60	—	26	—	7·4	6·9	1·86	−1·06	0·34	25th	17	2	1	0	0	9	1	—	0	5	0	1	0	0	**14**	**18**	21	3	*3*	Gordon Castle.
56	+ 1	24	+ 1	6·7	6·2	1·39	−1·83	0·19	11th	19	1	1	0	2	10	1	—	0	8	9	1	0	1	4	14	17	10	4	Aberdeen.
—	—	—	—	6·5	5·5	1·52	−1·34	0·27	25th	18	**8**	0	0	2	10	**6**	10	2	**20**	0	**13**	1	0	3	4	**27**	*2*	10	Tillypronie.
—	—	—	—	7·1	—	1·91	−1·95	0·58	22nd	13	4	0	1	5	15	2	**19**	3	14	0	4	**4**	2	0	6	8	**32**	4	Balmoral.
—	—	—	—	7·9	7·4	1·68	−1·08	0·36	24th	18	0	0	0	0	13	3	—	1	*2*	0	1	3	0	10	0	24	9	**13**	Dundee
—	—	—	—	7·4	6·8	3·70	−0·70	0·72	27th	20	1	0	0	1	13	**6**	—	**4**	11	0	7	1	**16**	1	0	0	30	5	Crieff.
—	—	—	—	5·8	6·5	1·71	−0·46	0·45	25th	18	0	0	0	1	11	1	—	0	12	6	0	0	4	4	4	21	14	7	Leith.
55	+ 4	23	+ 2	4·4	5·4	1·63	−1·84	0·48	21st	11	0	0	0	**10**	*8*	0	7	0	7	0	8	2	6	4	15	*5*	17	*3*	Marchmont.
55	**+ 5**	**23**	**+ 2**	**6·7**	**6·5**	**2·14**	**−0·88**	**0·72**		**17**																			
71	—	29	—	7·5	6·3	1·51	−1·51	0·30	13th	16	0	0	1	0	11	4	**23**	**4**	16	1	0	0	0	10	3	13	13	**20**	Cockle Park (Morpeth).
—	—	—	—	7·7	8·2	1·23	−1·21	0·36	21st	14	0	0	0	0	17	4	—	0	6	2	1	0	2	8	14	18	11	4	Shields.
—	—	—	—	6·0	5·6	1·67	−1·00	0·37	13th	14	0	**2**	0	5	10	0	—	1	14	9	2	1	1	4	6	20	**16**	*1*	Seaham.
61	+ 8	25	+ 3	7·2	6·7	1·09	−1·71	0·25	13th	13	0	0	0	3	16	0	11	0	5	**19**	0	0	1	0	12	14	10	4	Durham.
54	—	22	—	5·1	6·3	1·50	−1·18	0·36	13th, 21st	11	0	0	0	**8**	11	4	—	0	2	1	1	0	2	**15**	8	**29**	0	4	Whitby.
—	—	—	—	7·1	6·5	1·71	−0·74	0·46	13th	19	0	0	0	5	16	4	12	0	12	14	2	0	0	3	21	11	1	8	Rounton.
50	—	20	—	8·0	8·7	1·25	−1·62	0·30	21st	14	0	0	0	0	**20**	5	—	0	23	0	3	0	2	10	0	26	7	12	Scarborough.
39	0	16	0	6·2	7·2	1·62	−0·64	0·36	13th	13	0	0	0	4	13	3	—	0	3	4	4	1	3	8	**22**	*6*	7	5	York.
71	—	8	—	8·2	5·9	1·13	−1·21	0·40	21st	14	0	0	0	0	14	**12**	11	0	*1*	16	1	0	3	3	5	17	11	4	Hull.
—	—	—	—	5·8	5·2	1·03	−0·93	0·38	21st	10	0	0	0	5	*6*	5	—	2	**33**	0	1	2	**5**	10	11	13	9	9	Spurn Head.
66	—	26	—	5·7	5·0	0·87	—	0·36	21st	14	0	0	0	4	7	2	—	0	9	0	**5**	2	**5**	9	7	14	12	6	Skegness.
—	—	—	—	—	—	1·06	−0·96	0·33	13th, 21st	8	0	0	0	—	—	2	—	1	5	3	1	**18**	1	9	5	9	7	7	Lincoln.
56	**+ 1**	**22**	**0**			**1·31**	**−1·09**	**0·51**		**13**																			
62	—	24	—	7·5	6·1	1·51	—	0·48	21st	21	0	0	0	3	13	1	—	1	**26**	*1*	4	2	5	5	**13**	13	10	7	Cromer.
52	− 3	20	− 2	7·1	6·9	1·41	−1·26	0·49	21st	17	0	0	0	2	**14**	0	8	—	7	4	3	2	5	**12**	0	14	15	5	Hillington.
—	—	—	—	—	—	1·63	—	0·52	21st	16	—	—	—	—	—	—	10	—	—	—	—	—	—	—	—	—	—	—	Norwich.
—	—	—	—	6·4	6·1	1·63	−1·07	0·35	21st	13	0	0	0	0	*5*	6	—	1	17	3	3	**6**	10	4	3	13	13	5	Yarmouth.
72	—	28	—	6·6	5·4	1·51	−1·04	0·38	21st	11	1	1	0	5	8	8	3	—	17	6	**5**	2	5	10	2	7	**16**	7	Lowestoft.
73	—	29	—	7·3	5·3	1·49	−1·05	0·37	21st	16	0	1	0	4	11	7	—	0	2	0	3	**6**	**11**	3	7	13	12	5	Geldeston.
64	+ 1	25	0	7·3	5·3	1·49	−1·05	0·37	21st	16	0	1	0	4	11	7	—	0	2	0	3	**6**	**11**	3	7	13	12	5	Geldeston.
66	+ 6	26	+ 3	6·4	5·5	0·77	−1·29	0·33	21st	10	0	0	0	5	11	3	7	0	9	12	**5**	0	*2*	9	7	14	8	3	Cambridge.
—	—	—	—	7·4	5·7	0·83	—	0·20	29th	16	0	0	0	4	13	4	—	0	12	10	4	**6**	5	*2*	6	**17**	7	3	Woburn.
—	—	—	—	7·1	6·0	0·69	−1·83	0·17	21st	11	0	0	0	**6**	13	**10**	8	0	1	**20**	0	5	8	4	1	9	13	0	Bennington.
78	—	30	—	7·2	6·5	0·85	—	0·41	21st	10	0	0	0	1	11	1	*4*	0	21	*1*	4	**6**	10	6	9	*3*	13	**8**	Clacton.
68	—	28	—	7·2	6·2	0·70	−2·22	0·13	21st	10	0	0	0	5	**14**	5	11	0	0	11	2	4	8	4	7	10	10	4	Berkhamsted.
68	**+ 5**	**26**	**+ 1**	**7·1**	**6·0**	**1·19**	**−1·00**	**0·52**		**14**																			
30	—	12	—	8·0	6·2	0·97	—	0·25	13th	12	0	0	0	2	12	5	—	0	2	20	2	0	4	4	4	8	**17**	*1*	Garforth.
18	—	7	—	7·5	7·0	2·16	—	0·62	22nd	16	0	1	0	*1*	14	4	7	1	10	20	1	1	5	4	4	7	13	5	Huddersfield.
—	—	—	—	7·3	6·2	0·82	−1·37	0·17	13th	11	0	1	0	5	15	**13**	—	—	4	1	4	3	12	5	5	9	11	**10**	Wakefield.
62	—	24	—	6·6	6·1	1·13	−1·19	0·44	13th	14	0	0	0	3	13	6	9	**2**	**13**	10	1	1	2	7	15	17	4	3	Belvoir Castle.
54	—	21	—	6·9	—	1·18	−1·12	0·29	18th	13	0	0	0	5	17	0	7	0	8	10	0	4	10	8	4	12	8	4	Coventry.
46	—	18	—	6·7	6·0	1·30	−0·69	0·54	13th	16	0	0	0	5	13	4	7	0	10	3	1	1	**17**	3	3	19	9	4	Nottingham.
50	—	20	—	6·9	6·3	1·85	−0·51	0·44	18th	12	0	0	0	4	13	1	**13**	0	8	9	0	5	8	4	8	13	10	3	Birmingham.
71	+14	27	+ 5	6·8 5·9	4·7 —	1·21 1·12	−1·13 −1·24	}0·23	21st	17	0	0	0	4	*8*	5	10	0	11	2	3	11	7	2	12	9	10	4	Oxford.
88	—	34	—	5·7	4·9	0·93	−2·02	0·24	18th	11	—	—	—	**7**	10	—	—	—	*1*	0	1	**25**	3	*1*	*2*	13	8	7	Bath.
—	—	—	—	7·7	5·4	1·59	—	0·42	12th	14	0	0	0	2	14	6	*5*	0	10	7	3	2	0	**13**	14	6	6	9	Shrewsbury.
55	—	22	—	7·2	8·0	4·26	−0·71	1·21	21st	17	0	1	0	3	16	7	10	1	10	17	1	1	8	4	*2*	10	10	7	Buxton.
49	—	19	—	7·7	7·5	1·52	+1·51	0·46	25th	13	0	0	0	2	16	10	7	0	3	9	2	3	3	6	6	16	9	6	Sheffield.
—	—	—	—	7·6	8·1	1·98	—	0·47	28th	15	0	0	0	2	**18**	4	12	1	9	**23**	**5**	1	0	3	**17**	*5*	*1*	5	Stokesay.
74	—	29	—	7·2	5·7	0·84	+1·80	0·25	21st	10	0	0	0	3	11	1	8	—	9	2	3	4	5	7	4	**20**	12	3	Cheltenham.
56	**+ 3**	**22**	**+ 1**	**7·1**	**6·3**	**1·39**	**−1·05**	**1·21**		**14**																			

TABLE XXI. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B	Diff. from Av.	Absolute Minimum	Day	Absolute Maximum	Day	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
			ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
5. ENGLAND, S.E.		Reading	264	29·756	—	39·1	52·3	45·7	—	23	10th	60	29th	44·7	44·5	1·0	1·0	·273	·271	93	92	—	—
		Salisbury	186	29·856	—	37·8	53·1	45·5	+2·7	20	10th	62	1st	45·0	44·8	1·3	0·9	·268	·276	90	93	47·8	—
		Dover	231	29·802	+·117	41·0	51·4	46·2	—	32	21st	59	1st, 12th	45·0	46 8	1·5	2·8	·264	·255	89	80	48·2	52·0
		Brighton	48	30·022	—	41·8	52·8	47·3	+1·5	29	10th	63	1st	47·2	—	1·9	—	·280	—	87	—	—	51·8
	§	Eastbourne	36	30·030	—	42·1	53·8	48·0	+3·1	32	20th	59	3rd, 23rd	48·7	48·4	2·0	1·8	·301	·301	86	88	49·0	53·0
		Portsmouth	18	30·059	—	43·5	54·0	48·8	+3·4	32	10th	62	1st	48·0	—	1·9	—	·287	—	87	—	48·1	52·7
	¶	Dungeness	21	30 003	+·092	41·0	52·6	46·8	+1·4	30	20th, 21st	60	1st	47·1	49·4	1·6	2·8	·286	·285	89	81	—	—
	¶	Hastings	174	29·878	—	42·3	52·2	47·3	+2·0	33	8th	60	1st	47·4	46·7	1·9	1·6	·282	·281	87	89	47·2	52·2
	¶ §	Southampton	84	29·931	—	42·0	53·6	47·8	+2·9	28	10th	63	1st	47·0	46·7	1·7	1·4	·289	·292	88	90	—	—
	¶ §	*Ventnor*	80	29·961	—	46·1	54·4	50·3	+2·9	38	8th	61	1st	49·9	—	2·6	—	·294	—	83	—	—	—
		District Value				**41·0**	**52·2**	**46·6**	**+1·5**	**10**		**63**										**47·3**	**51·6**
LONDON	¶ §	Tottenham	55	29·998	—	41·6	52·2	46·9	+3·3	23	10th	58	12th	46·8	46·2	1·4	1·1	·291	·293	88	92	—	52·2
		Camden Square	123	29·938	—	41·1	52·6	46·9	+3·0	23	10th	59	12th	46·5	47·0	1·4	1·4	·283	·289	89	90	46 0	50·6
		Westminster	51	29·988	+·107	42·2	53·0	47·6	+3·8	30	11th	59	12th, 13th	45·8	49·1	1·4	3·1	·277	·275	90	78	—	—
		Greenwich	159	29·889 29·877	— +·119	39·8 —	52·1 —	45·9 46·7	+2·5 +3·2	22	10th	59	1st	46·1	45·3	1·6	1·5	·275	·268	89	89	—	51·0
		Norwood	235	29·836	—	40·4	52·2	46·3	+2·8	24	10th	61	12th	45·6	45·5	1·4	1·4	·273	·272	89	89	46·8	—
	¶ §	Kew	34	30·033 30·021	+·122 +·118	41·2	51·9	46·6 47·0	+3·1 +3·3	26	10th	58	1st	45·9	46·0	1·8	1·8	·268	·269	88	87	46·2	50·9
		Bunhill Row		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶	Laudale	25	29·834	—	41·4	51·6	46·5	+2·9	31	20th	59	3rd	47·2	47·1	2·2	2·4	·270	·271	85	83	—	—
	¶	Poltalloch	135	29·751	—	39·8	50·7	45·3	+2·4	28	9th	58	3rd	45·8	44·8	2·4	1·9	·255	·254	83	86	—	—
	¶ §	Glasgow	184	29·707	—	41·1	49·0	45 1	+2·8	28	9th	55	12th	43·8	45·2	1·6	1·9	·255	·262	88	86	—	—
	¶	Rothesay	76	29·830	—	42·3	51·2	46·8	+3·5	31	20th	57	15th	46·1	46·3	2·0	2·1	·266	·265	86	85	—	49·1
	¶	*Colmonell*	140	—	—	40·7	51·0	45·9	+2·8	28	8th	56	11th	—	—	—	—	—	—	—	—	—	—
6.	¶	Dumfries	60	29·891	—	38·8	50·0	44·4	+2·0	24	10th	58	2nd	43·2	44·9	1·6	1·6	·245	·261	88	88	—	—
	¶	Cally (Gatehouse)	120	—	—	39·9	50·4	45·2	+2·9	28	9th	57	3rd	44·7	45·2	1·8	1·8	·255	·260	87	87	—	—
ISLE OF MAN	¶ §	Douglas	284	29·667	—	43·6	51·5	47·6	+2·9	37	30th	56	12th	47·5	47·6	1·3	1·4	·300	·299	91	90	—	—
		District Value				**40·7**	**50·8**	**45·8**	**+2·0**	**22**		**60**											
		Southport	42	29·958	—	39·9	50·9	45·4	+2·1	28	10th	58	12th	44·4	44·9	1·4	1·3	·260	·268	89	91	44·8	49·1
		Manchester (City)	195	29·799	—	41·5	50·9	46·2	—	33	10th	59	2nd	45·3	46·3	1·6	1·8	·272	·275	88	87	44·9	51·0
		„ (Whitworth P'k)	127	29·863	—	39·9	51·1	45·5	—	30	10th	58	1st	44·0	45·3	1·5	1·8	·255	·261	88	87	—	—
ENGLAND, N.W.	¶ §	Aspatria	254	29·683	—	39·4	50·1	44·8	+2·6	26	9th	57	2nd	44·2	44·2	1·2	1·4	·264	·264	90	89	—	—
	¶ §	Newton Rigg	559	29·344	—	36·6	49·5	43·1	+2·3	22	9th	57	2nd	40·6	42·4	0·5	1·0	·242	·250	96	92	45·4	48·6
	¶ §	Stonyhurst	363	29·605	—	39·4	48·9	44·2	+1·7	29	30th	55	1st	43·8	44·1	1·5	1·6	·259	·259	88	88	—	—
	¶ §	Blackpool	73	29·919	—	40·3	50·5	45·4	+1·8	29	10th	58	2nd	46·2	45·1	1·3	1·1	·283	·274	91	91	46·6	50·7
7.		Darwen	710	29·213	—	38·1	48·5	43·3	—	28	10th	57	2nd	44·1	43·3	1·3	1·3	·263	·257	90	91	45·1	48·9
	¶	M'nch't'r (Prestwich)	320	29·631	—	38·5	50·0	44·3	+1·7	27	10th	58	2nd	43·5	44·8	1·0	1·4	·260	·264	92	89	—	—
	¶	Liverp'l, Bidston Obs.	197	29·778	—	41·9	50·1	46·0	+1·9	28	10th	57	28th	44·9	46·0	1·9	2·1	·254	·263	86	85	—	—
	¶ §	Llandudno	21	29·980	—	43·1	53·7	48·4	+2·6	31	10th	62	3rd	48·4	47·8	2·8	2·5	·273	·272	81	82	—	—
NORTH WALES	¶	Holyhead	48	29·923	+·111	44·2	52·8	48·5	+2·0	34	10th	61	3rd	47·7	49·6	1·4	1·8	·297	·310	90	88	—	—
	¶ §	Bettws-y-Coed	100	29·867	—	39·5	52 2	45·9	+0·3	24	10th	61	3rd	45·3	44·5	1·4	1·0	·270	·271	89	92	45·8	49·5
		District Value				**40·2**	**51·0**	**45·6**	**+1·3**	**22**		**62**										**45·4**	**49·6**
SOUTH WALES	¶ §	*Llangammarch Wells*	585	29·402	—	36·5	50·7	43·6	+1·6	18	10th	57	11th	43·9	—	·0·9	—	·266	—	93	—	46·7	50·4
	¶ §	Pembroke	150	29·833	+·114	45·5	53·6	49·6	+2·3	34	8th	58	11th	49·3	50·7	2·3	2·5	·294	·307	84	83	—	—
	¶	*Clifton*	229	—	—	42·7	52·3	47·5	+3·0	28	10th	60	11th	—	—	—	—	—	—	—	—	—	—
8.	¶	Portland Bill	23	30·011	+·096	47·9	54·7	51·3	+4·4	37	8th	59	1st, 12th	51·0	52·1	1·4	1·8	·338	·342	90	87	—	—
	¶ §	Plymouth	116	29·927	—	45·5	54·9	50·2	+3·6	36	8th	61	2nd	50·3	50·8	2·3	2·5	·311	·318	84	84	49·8	—
ENGLAND, S.W.	¶ §	Falmouth	183	29·866 29·858	+·127 +·127	48·7	54·6	51·7 51·7	+4·0 +3·9	41	16th	60	2nd	51·2	51·5	2·7	2·5	·309	·316	82	83	—	—
		Woolacombe	79	29·931	—	46·3	54·6	50·5	+2·0	36	10th	61	1st	51·2	50·4	2·8	2·5	·305	·303	81	83	—	—
		Rousdon	516	29·496	—	42·3	52·0	47·2	—	32	8th	59	1st	46·5	47·7	1·5	1·6	·280	·292	88	88	49·3	52·0
		Whitchurch	595	29·396	—	42·7	51·9	47·3	—	34	8th	59	2nd	47·4	47·1	1·6	1·3	·288	·293	88	90	48·4	—
		District Value				**43·2**	**52·8**	**48·0**	**+2·1**	**18**		**64**										**48·5**	**51·2**
9. IRELAND, N.	¶	Malin Head	230	29·600	+·081	44·2	51·1	47·7	+2·8	38	8, 9, 10th	57	2nd, 11th	47·0	47·9	0·5	0·8	·311	·312	97	95	—	—
Western Part.	¶	Blacksod Point	41	29·852	+·083	45·8	53·8	49·8	+3·9	39	25th	59	11th	50·1	50·9	2·4	2·5	·301	·310	83	84	—	—
	¶ §	Markree Castle	127	29·801	—	38·9	52·3	45·9	+2·8	26	30th	60	2nd	46·7	45·0	1·9	1·5	·279	·270	86	89	—	—
	¶	Donaghadee	40	29·899	+·108	42·4	52·2	47·3	+2·9	35	30th	56	11th, 24th	46·3	48·0	1·4	2·0	·281	·285	90	86	—	—
Eastern Part.	¶ §	Armagh	202	29·721	—	40·0	51·9	46·0	+3·2	28	9th	58	2nd	45·0	44·2	1·2	1·8	·277	·256	91	87	46·7	50·6
		Belfast	55	29·905	—	40·2	52·9	46 6	—	30	9th	58	11th	46·3	45·1	1·6	0·9	·281	·283	89	92	—	—
		District Value				**42·3**	**52·4**	**47·4**	**+3·3**	**26**		**60**											
10. IRELAND, S.	§	Dublin (Phœnix P'k)	159	29·832	—	39·6	52·9	46·3	+2·6	24	30th	59	11th	46·3	45·5	2·2	1·9	·270	·268	84	86	—	—
Eastern Part.		„ (Trinity Coll'ge)	17	29·959	—	43·7	53·8	48·8	—	31	30th	61	11th	48·3	48·4	2·4	2·5	·285	·286	83	83	48·3	51·2
	¶	„ (City)	53	29·919	—	43·3	52·8	48·1	+2·8	31	30th	60	11th	47·0	47·5	1·9	2·1	·280	·280	86	85	—	—
	¶	*Waterford*	100	—	—	42·4	53·4	47·9	+3·1	29	30th	60	3rd	—	—	—	—	—	—	—	—	—	—
	¶ §	Birr Castle	173	29·769	—	39·9	52·8	46·4	+3·2	26	9th	58	3rd	46·5	46·2	1·5	1·6	·289	·280	90	88	—	—
	¶	*Killarney*	174	—	—	44·8	55·0	49·9	+4·2	33	30th	60	3, 10, 12th	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ §	Valencia	62	29·936 29·925	+·074 +·070	47·4	54·5	51·0 51·5	+3·4 +3·9	35	30th	61	3rd	50·9	51·1	2·3	2·7	·315	·308	85	81	—	—
	¶	Roche's Point	42	29·951	+·113	46·2	54·3	50·3	+3·5	37	30th	61	11th	49·5	51·2	1·5	2·1	·315	·323	89	86	—	—
		District Value				**43·0**	**53·5**	**48·3**	**+2·7**	**24**		**61**											
11. ENGLISH CHANNEL	¶ §	Scilly	20	29·996	+·112	49·4	55·6	52·5	+2·7	44	9th	59	2, 12, 30th	51·7	53·2	2·0	2·1	·332	·347	87	86	—	—
	¶ §	Jersey	36	30·028	+·115	45·6	55·3	50·5	+2·1	33	10th	63	2nd	50·0	50·6	2·2	2·7	·304	·301	85	81	—	—
		Guernsey (Brooklyn)	311	29·744	—	47·7	54·6	51·2	+2·5	39	10th	61	2nd	51·1	50·6	3·4	3·0	·297	·299	77	80	50·9	54·6
		District Value				**47·8**	**55·7**	**51·8**	**+2·3**	**33**		**65**											

For notes see p. cix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of NOVEMBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a Day. Amount.	Most in a Day. Day.	Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Wind-force 8 and above.	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
78	—	30	—	6·6	4·9	0·73	−1·77	0·28	21st	11	0	0	0	4	11	0	—	0	1	22	0	3	6	7	3	8	11	0	Reading.
—	—	—	—	6·9	5·7	1·20	−2·24	0·28	21st	17	0	0	0	4	11	1	5	1	8	0	2	7	5	7	4	17	7	11	Salisbury.
95	—	36	—	5·9	4·6	1·20	—	0·45	21st	7	0	0	0	4	9	2	4	1	9	0	2	7	3	4	6	13	9	11	Dover.
104	+36	40	+14	6·6	—	1·15	−1·98	0·46	21st	8	0	0	1	7	18	0	5	0	8	4	2	14	8	0	6	8	14	4	Brighton.
102	+36	39	+14	6·0	3·7	1·40	−2·15	0·53	21st	8	0	0	0	7	7	1	—	0	9	7	3	14	5	5	0	11	8	7	Eastbourne.
110	—	42	—	5·4	—	1·36	−1·80	0·50	21st	7	0	0	1	10	10	3	3	0	16	0	0	8	14	2	4	6	14	12	Portsmouth.
—	—	—	—	7·4	6·4	1·27	−1·38	0·38	21st	13	0	0	1	0	10	4	—	0	28	1	3	5	11	3	7	8	13	9	Dungeness.
110	+39	42	+15	6·2	4·6	1·16	−2·17	0·36	13th	10	0	0	0	3	6	4	4	1	18	2	4	7	11	1	7	8	12	8	Hastings.
94	+31	36	+12	4·5	3·6	1·25	−1·95	0·46	21st	13	0	0	1	10	4	2	6	0	11	1	0	18	0	8	1	16	3	13	Southampton.
116	+48	44	+18	5·1	—	1·37	−2·04	0·66	21st	12	0	0	0	7	5	0	—	0	17	6	3	5	16	1	5	6	12	6	Ventnor.
87	**+26**	**33**	**+10**	**6·1**	**5·0**	**1·17**	**−1·77**	**0·66**		**12**																			
68	—	26	—	8·2	6·6	0·71	—	0·22	21st	8	0	0	0	2	17	1	6	0	6	2	1	10	7	3	4	20	6	7	Tottenham.
48	—	18	—	7·7	—	0·69	−1·67	0·22	21st	10	0	0	0	3	18	1	6	—	—	6	2	8	8	0	6	6	12	12	Camden Square.
46	+19	18	+ 8	5·5	5·9	0·72	−1·63	0·21	18th, 21st	12	0	0	0	4	9	0	6	1	4	7	2	7	10	4	2	15	9	4	Westminster.
77	+29	29	+11	7·4	6·2	0·76	−1·46	0·22	21st	12	0	1	0	3	14	7	12	0	6	3	3	4	9	8	2	14	14	3	Greenwich.
—	—	—	—	7·2	6·0	0·84	−1·56	0·24	21st	12	0	0	0	2	15	12	7	—	2	7	1	8	8	1	6	12	8	9	Norwood.
60	+10	23	+ 4	6·9	6·3	0·68	−1·53	0·22	21st	10	0	0	0	2	13	3	11	0	4	15	1	7	9	0	8	13	3	4	Kew.
35	+13	13	+ 5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row
—	—	—	—	7·6	7·1	7·12	−1·01	1·18	27th	18	0	4	1	2	12	0	—	3	32	8	3	0	2	1	15	4	23	4	Laudale.
—	—	—	—	6·9	7·1	4·64	−0·78	0·92	20th	17	0	3	1	3	13	0	—	4	14	14	2	2	4	1	12	8	11	6	Poltalloch.
28	+ 2	12	+ 1	8·8	8·3	2·76	−0·94	0·45	27th	21	0	1	0	0	21	0	9	0	10	21	1	1	7	3	2	12	10	3	Glasgow.
—	—	—	—	6·3	4·6	5·22	+0·27	1·20	21st	20	1	1	1	7	10	8	—	2	18	5	4	0	15	5	6	6	17	2	Rothesay.
—	—	—	—	—	—	4·78	−0·14	0·74	21st	18	0	0	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Colmonell.
—	—	—	—	7·5	5·7	2·27	−1·77	0·29	14th	19	0	0	1	3	12	4	11	0	12	1	0	8	10	6	3	14	9	9	Dumfries.
—	—	—	—	—	—	3·65	−1·66	0·50	21st	17	0	1	0	—	—	0	—	2	12	0	1	13	2	11	1	8	8	16	Cally.
66	+ 5	26	+ 2	6·8	5·6	2·96	−1·84	0·58	13th	16	0	1	1	1	9	4	0	6	31	0	3	2	11	6	8	8	17	5	Douglas.
47	**0**	**19**	**0**	**7·3**	**6·4**	**4·10**	**−1·26**	**1·20**		**18**																			
56	+ 9	22	+ 3	8·0	6·7	2·77	−0·47	0·64	21st	15	0	1	0	0	12	6	12	2	27	2	3	1	10	17	7	6	11	3	Southport.
17	—	7	—	—	—	2·73	−0·35	0·79	21st	14	0	0	0	—	—	3	4	1	2	0	3	5	12	13	11	9	6	1	Manchester (City).
29	—	12	—	7·9	7·6	2·50	—	0·58	21st	13	0	0	0	0	16	2	16	1	6	9	2	3	9	8	11	8	6	4	„ (Whitworth P'k).
68	—	28	—	6·4	5·6	2·76	−1·35	0·38	21st	19	0	1	0	3	9	5	8	2	12	10	4	5	1	1	6	13	18	2	Aspatria.
73	+24	30	+10	5·7	5·4	2·69	−1·01	0·51	13th	17	0	1	1	4	6	2	14	2	19	3	3	3	8	11	10	11	8	3	Newton Rigg.
47	+ 2	19	+ 1	7·5	4·6	4·96	+0·58	1·58	21st	17	0	1	0	4	10	0	9	0	7	23	5	2	5	0	5	7	13	0	Stonyhurst.
57	+10	23	+ 4	7·7	6·9	3·05	−0·43	0·59	21st	16	0	1	0	4	17	1	7	3	20	0	4	0	12	14	8	7	9	6	Blackpool.
40	—	16	—	7·6	7·3	4·59	—	1·69	21st	16	0	1	0	1	15	1	7	0	15	0	1	1	0	9	26	7	13	3	Darwen.
30	0	12	0	7·7	6·4	2·78	−0·58	0·88	21st	18	0	0	0	4	16	4	6	1	7	16	4	0	12	1	9	3	14	1	Manchester (Prestwich).
71	—	28	—	6·7	7·6	1·87	−0·78	0·37	18th	15	0	1	0	2	14	5	—	1	19	0	1	1	14	16	3	14	9	2	Liverpool, Bidston Obs.
82	+27	32	+10	5·9	7·4	3·48	+0·13	0·52	21st	15	0	0	0	2	10	0	—	0	9	1	5	1	5	7	5	3	30	3	Llandudno.
—	—	—	—	6·3	5·8	4·14	0·00	0·95	13th	16	0	2	0	1	8	2	—	7	26	8	5	1	7	2	8	14	7	8	Holyhead.
61	—	24	—	5·4	5·6	4·67	—	0·84	28th	16	0	0	0	4	6	0	4	3	8	2	4	0	0	10	0	14	18	12	Bettws-y-Coed.
68	**+19**	**27**	**+ 7**	**6·9**	**6·4**	**3·22**	**−0·37**	**1·69**		**16**																			
58	—	22	—	8·4	—	3·89	—	0·80	21st	17	0	0	0	1	22	2	22	0	18	22	6	8	2	0	2	2	10	8	Llangammarch Wells.
74	+11	29	+ 5	6·9	6·6	2·11	−1·83	0·48	28th	16	0	0	0	0	9	0	—	3	47	0	3	4	15	4	9	8	8	9	Pembroke.
71	—	27	—	—	—	0·95	−2·32	0·19	24th	10	—	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·7	6·0	0·95	—	0·28	21st	9	0	0	0	1	7	3	—	3	41	1	3	6	16	3	6	5	12	8	Portland Bill.
93	+27	35	+10	6·3	5·0	1·21	−2·45	0·32	28th	13	0	0	0	8	10	5	3	0	27	11	3	6	13	5	6	6	5	5	Plymouth.
94	+21	35	+ 7	6·0	5·8	1·41	−3·73	0·43	28th	13	0	0	0	2	9	2	—	0	12	4	5	3	15	2	7	10	8	6	Falmouth.
88	+21	34	+ 8	5·6	4·6	2·53	−0·64	0·58	28th	14	0	0	1	7	9	0	—	0	21	0	0	6	17	7	3	10	7	10	Woolacombe.
114	—	43	—	6·2	5·5	1·07	—	0·36	21st	11	0	0	0	6	11	8	2	—	1	3	3	6	11	4	5	4	15	9	Rousdon.
—	—	—	—	6·1	6·5	2·97	—	0·56	21st	15	0	0	0	4	12	9	2	—	20	3	2	1	12	11	6	9	5	11	Whitchurch.
86	**+24**	**33**	**+ 9**	**6·5**	**5·7**	**1·77**	**−2·47**	**1·16**		**13**																			
—	—	—	—	7·2	7·1	2·46	−0·77	0·47	21st	19	0	3	0	0	12	1	—	12	24	0	1	0	1	11	13	20	9	5	Malin Head.
—	—	—	—	7·5	7·9	3·79	−1·50	0·82	27th	21	0	2	0	0	15	0	—	7	32	0	1	2	6	14	9	11	12	5	Blacksod Point.
53	− 1	21	− 1	7·9	7·3	2·99	−1·11	0·61	21st	17	0	1	2	2	17	1	12	2	10	20	2	1	1	11	12	3	3	7	Markree Castle.
—	—	—	—	7·3	7·6	1·80	−1·40	0·35	13th	17	0	0	0	0	16	3	—	2	16	0	2	2	10	7	11	15	11	2	Donaghadee.
72	+15	29	+ 6	6·4	7·6	3·07	+0·17	0·58	18th	17	0	0	0	3	16	1	4	0	7	26	0	2	1	1	12	12	5	1	Armagh.
—	—	—	—	—	—	3·25	−0·03	0·59	21st	20	0	0	0	—	—	1	—	0	5	18	3	1	0	3	7	9	7	12	Belfast.
63	**+ 6**	**25**	**+ 2**	**7·3**	**7·5**	**2·82**	**−1·13**	**0·82**		**18**																			
80	+10	32	+ 4	6·9	5·6	1·30	−1·57	0·29	21st	16	0	0	0	3	11	3	10	0	7	17	0	0	6	4	6	12	15	0	Dublin (Phœnix Park).
48	—	19	—	6·4	5·5	1·16	—	0·34	13th	12	0	0	0	8	11	6	6	1	7	18	0	0	3	7	3	5	17	7	„ (Trinity College)
—	—	—	—	5·4	5·3	1·24	−1·48	0·36	13th	12	0	1	0	5	6	3	1	2	13	4	1	1	8	6	6	13	15	6	„ (City).
—	—	—	—	—	—	1·87	−2·12	0·45	13th	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
55	− 8	22	− 3	7·4	8·3	2·47	−0·63	0·68	27th	16	0	0	0	0	19	1	—	0	9	8	0	0	0	13	18	9	10	2	Birr Castle.
—	—	—	—	—	—	3·48	−2·50	1·24	27th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
45	−20	17	− 8	7·7	7·7	2·51	−3·16	0·71	27th	17	0	0	0	1	16	0	—	0	24	8	2	2	9	7	11	7	9	5	Valencia.
—	—	—	—	7·1	6·7	1·92	−2·77	0·48	13th	18	0	0	0	1	10	1	—	3	25	1	3	1	9	9	3	8	16	10	Roche's Point.
56	**−10**	**22**	**− 4**	**6·8**	**6·5**	**2·43**	**−1·71**	**1·24**		**18**																			
87	+11	33	+ 5	7·6	7·9	0·94	−2·74	0·15	24th	14	0	0	0	0	17	1	—	1	38	0	6	4	16	3	8	9	6	8	Scilly.
123	+47	46	+18	5·4	5·0	1·31	−2·79	0·52	21st	19	0	0	0	9	9	3	—	5	25	0	0	7	12	9	5	6	12	9	Jersey.
114	+53	43	+20	5·1	4·5	1·77	−3·00	0·54	12th	11	0	1	0	8	5	2	1	2	26	2	4	7	5	12	8	7	7	8	Guernsey (Brooklyn).
111	**+37**	**41**	**+13**	**6·0**	**5·8**	**1·33**	**−2·52**	**0·54**		**15**																			

The sunshine entered to Portsmouth is registered at Southsea.

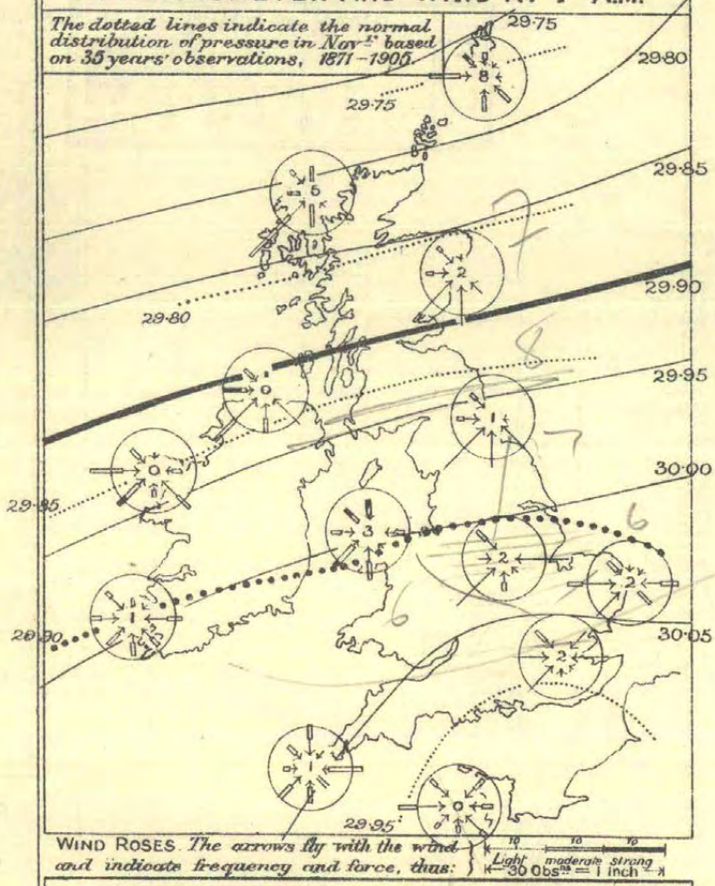
TABLE XXII.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, NOVEMBER, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
					Min.	Max.											Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
				Ft.	°	°	°	°	°		°													
0. SCOTLAND, N.		Balta Sound	S	31	38·4	46·4	42·4	—	29	7th	54	1st	—	—	—	26	5·13	—	0·63	11th	17	—	8	—
1. SCOTLAND, E.	§	Crathes	S	140	34·9	49·9	42·4	—	27	9, 10, 20th	57	1st, 12th	44·3	47·7	17	16	1·15	—	0·26	11th	54	—	23	—
	§	Balruddery	S	276	36·5	48·7	42·6	—	27	10th, 20th	55	12th, 13th	—	—	—	18	2·27	—	0·40	24th	63	—	26	—
	§	Edinburgh	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	46	+ 2	19	+ 1
	¶	West Linton	S	800	33·4	46·9	40·2	− 0·1	16	10th	54	1st	—	—	16	21	2·63	—	0·54	25th	62	—	26	—
2. ENGLAND, N.E.	¶	Alnwick Castle	—	210	37·1	51·3	44·2	+ 1·9	24	8th	57	1st, 28th	—	—	—	12	1·54	−1·97	0·40	13th	—	—	—	—
		Newcastle-on-Tyne	—	152	40·2	50·5	45·4	—	27	9th	59	1st	—	—	—	14	1·17	−1·50	0·28	1st	21	− 33	9	− 5
		Ampleforth	—	349	37·7	48·7	43·2	—	26	30th	55	12th	—	—	—	11	1·44	—	0·41	13th	—	—	—	—
		Tealby	—	251	38·8	49·8	44·3	+ 2·1	28	20th	58	1st	—	—	—	13	1·46	−0·92	0·50	13th	—	—	—	—
	¶	Fulbeck	—	180	39·2	50·1	44·7	+ 2·7	28	10th, 30th	56	1st, 4th	—	—	—	13	1·30	−0·74	0·51	13th	—	—	—	—
	§	Rauceby	—	124	38·7	50·6	44·7	—	22	10th	58	12th	45·9	50·9	7	13	1·39	−0·90	0·38	13th	48	—	19	—
3. ENGLAND, E.		Felixstowe	—	10	42·2	50·9	46·6	+ 2·2	31	20th	57	22nd	—	—	—	11	0·93	—	0·35	21st	77	—	30	—
	¶ §	Rothamsted	—	424	38·8	51·4	45·1	+ 2·8	19	10th	58	12th	—	—	—	15	0·74	−2·02	0·13	11th	78	+ 18	30	+ 7
		Shoeburyness	—	18	41·6	51·5	46·6	+ 2·1	33	20th	57	1, 12, 22	—	—	—	12	1·09	−1·04	0·39	21st	—	—	—	—
		Southend-on-Sea	—	100	42·9	51·2	47·1	—	36	20th	58	1st	47·8	—	6	8	0·99	−1·12	0·44	21st	80	—	31	—
4. MIDLAND COUNTIES	¶ §	Harrogate	—	476	37·9	48·6	43·3	+ 1·6	26	10th	55	12, 28, 29th	45·7	47·5	8	17	1·60	−1·09	0·38	25th	44	—	18	—
		Bradford	—	330	38·1	49·3	43·7	—	23	11th	56	11th	45·1	51·4	?	19	2·11	—	0·37	13th	28	—	11	—
	¶	Cheadle	M	646	38·2	49·3	43·8	+ 2·3	25	10th	58	12th	—	—	9	13	2·21	−0·74	0·42	12th	—	—	—	—
	¶	Bawtry	—	65	37·3	50·4	43·9	+ 1·6	18	10th	57	12th	—	—	—	12	0·83	−1·20	0·21	12th	—	—	—	—
	§	Worksop	M	56	37·5	51·0	44·3	+ 1·9	18	10th	59	12th	45·4	49·0	11	14	1·20	−0·83	0·24	12th	43	− 3	17	− 1
		Kingston-on-Soar	—	125	38·8	50·7	44·8	—	17	10th	58	1st, 11th	48·4	—	—	12	1·49	—	0·48	12th	—	—	—	—
		Rugby	—	379	39·0	51·9	45·5	+ 3·5	20	9th	60	11th	—	—	8	14	0·81	—	0·18	21st	—	—	—	—
	¶	Raunds	M	210	38·4	51·3	44·9	+ 2·3	19	10th	59	1st	—	—	8	15	0·96	—	0·25	22nd	—	—	—	—
		Winslow	—	379	39·6	50·2	44·9	—	23	10th	58	1st	—	—	—	14	0·95	—	0·17	11th	—	—	—	—
	¶	Hereford	M	291	39·7	51·5	45·6	+ 2·5	21	10th	58	13th	—	—	11	14	1·37	−1·18	0·35	12th	—	—	—	—
	¶ §	Cirencester	—	446	38·3	50·5	44·4	+ 2·5	23	10th	57	1, 11, 22nd	—	—	6	15	1·40	−1·57	0·36	21st	53	− 4	20	− 2
5. ENGLAND, S.E.		Epsom	—	160	38·1	52·5	45·3	—	20	10th	61	1st	—	—	13	16	0·89	—	0·23	21st	—	—	—	—
		Wokingham	—	216	37·0	52·1	44·6	—	10	10th	60	1st	—	—	—	12	0·89	—	0·35	21st	—	—	—	—
		Maidenhead	—	99	38·5	53·4	46·0	—	19	10th	62	1st	—	—	11	11	0·71	−1·75	0·18	12th	—	—	—	—
	¶ §	Marlborough	—	424	37·5	51·0	44·3	+ 2·2	18	10th	60	4th	—	—	14	12	1·37	−1·94	0·34	21st	70	+ 19	27	+ 7
		Bucklebury	—	409	40·1	50·7	45·4	—	24	10th	57	1st, 11th	—	—	13	12	0·93	—	0·30	21st	—	—	—	—
	¶	Swarraton	M	310	38·1	51·5	44·8	+ 2·3	22	10th	60	1st	—	—	—	14	1·29	−1·91	0·45	21st	—	—	—	—
	¶ §	Margate	—	35	42·6	52·1	47·4	+ 2·2	34	10th	59	1st	46·8	50·0	2	13	1·46	−1·13	0·39	21st	70	+ 9	27	+ 4
		Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	14	1·49	—	0·46	21st	84	—	32	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87	—	33	—
	¶ §	Wisley	—	150	40·1	52·3	46·2	+ 1·8	20	10th	61	1st	46·5	50·7	8	11	0·67	—	0·28	21st	76	—	29	—
	¶ §	Tunbridge Wells	M	421	38·7	50·8	44·8	+ 1·9	25	10th	61	1st	45·3	—	13	11	1·15	−2·18	0·31	13th, 21st	90	+ 22	34	+ 8
		Folkestone	—	121	41·3	51·5	46·4	—	33	20th	58	1st, 12th	—	50·7	—	7	1·05	−2·19	0·40	21st	89	—	34	—
	§	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86	—	33	—
		Bexhill	—	27	42·9	52·7	47·8	—	33	20th	59	1st	49·7	—	8	10	1·15	—	0·36	21st	103	—	39	—
		Hove	—																		104	—	40	—
		Lewes	—	58	38·5	52·0	45·3	—	22	10th	61	1st	—	—	—	21	1·76	—	0·49	21st	—	—	—	—
	§	Worthing	—	36	41·6	53·0	47·3	+ 2·6	32	10th	60	1st	47·1	52·2	5	12	1·30	−1·84	0·49	21st	103	—	39	—
		Bognor	—	20	42·7	52·5	47·6	—	31	10th	58	13th	—	53·3	5	16	1·42	—	0·46	21st	107	—	41	—
		Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	89	—	34	—
		Totland Bay	—	140	44·2	53·1	48·7	+ 3·0	29	10th	62	1st	—	—	1	15	0·85	−2·20	0·39	21st	116	—	44	—
		Sandown	—	—	45·4	54·9	50·2	—	37	8th	64	12th	—	—	—	12	1·17	—	0·44	21st	110	—	42	—
		Bournemouth	—	145	42·4	53·3	47·9	—	27	10th	62	1st	47·8	50·7	—	14	0·94	—	0·33	21st	116	—	44	—
6. SCOTLAND, W.		Oban	—	20	41·9	53·0	47·5	—	31	9th	60	4th	—	—	1	20	4·87	—	0·77	21st	45	—	19	—
	¶	Thorntonhall (Lanarkshire)	—	440	37·0	48·3	42·7	—	22	9th	55	11th	—	—	9	20	3·22	—	0·56	27th	47	—	20	—
		Kilmarnock	—	90	38·4	51·7	45·1	+ 2·6	23	9th	56	1st	—	—	—	19	3·54	—	0·75	21st	54	—	22	—
7. ENGLAND, N.W.		Carnforth	—	174	39·2	50·2	44·7	—	28	10th	58	1st	—	—	7	16	3·39	—	0·66	21st	53	—	21	—
		Lancaster	—	311	41·2	51·7	46·5	—	30	20th	60	1st	—	—	8	18	4·34	—	0·86	21st	63	—	25	—
	§	Burnley	—	459	37·9	49·2	43·6	—	26	10th	55	1st, 11th	44·2	48·8	12	16	3·49	—	0·61	12th	39	—	16	—
		Hoylake	—	30?	41·8	51·9	46·9	—	28	10th	59	12th, 28th	—	—	7	15	2·40	—	0·45	21st	64	—	25	—
		Rhyl	—	30	40·5	52·6	46·6	—	28	9th	60	28th	—	—	4	15	2·66	+0·04	0·59	28th	81	—	32	—
	¶	Colwyn Bay	—	65	43·4	53·7	48·6	—	32	30th	61	2nd	—	—	—	15	3·43	—	0·58	13th	85	—	34	—
		Hawarden Bridge	—	22	39·3	51·7	45·5	+ 0·6	24	30th	60	28th	—	—	—	12	1·75	−0·60	0·51	18th	—	—	—	—
	§	Towyn	—	10				—																
	§	Aberdovey	—	22	45·5	53·4	49·5	—	36	10th	61	1st, 3rd	—	—	—	17	2·84	—	0·81	21st	92	—	36	—
8. ENGLAND, S.W.		Aberystwyth	—	59	46·9	53·9	50·4	—	40	8th, 15th	64	3rd	—	—	—	—	—	—	—	—	80	—	31	—
		Haverfordwest	—	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	79	—	31	—
		Tenby	—	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	76	+ 12	29	+
		Port Talbot	—	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83	—	32	—
		Forest of Dean	—	200	—	—	—	—	—	—	—	—	—	—	—	4	0·63	—	0·28	24th	—	—	—	—
		" "	—	900	—	—	—	—	—	—	—	—	—	—	—	9	1·17	—	0·22	29th	—	—	—	—
	¶	Cardiff	—	50	41·4	51·2	46·3	+ 1·5	29	10th	59	11th	47·1	51·2	9	16	1·52	−2·61	0·41	21st	77	—	30	—
		Swansea	—	24	44·1	53·8	49·0	—	37	8th	59	2nd	—	—	10	15	3·21	—	0·80	21st	—	—	—	—
	¶	Shaftesbury	M	722	41·0	50·2	45·6	+ 2·6	30	10th	59	1st	47·2	—	—	10	0·90	−2·66	0·24	21st	—	—	—	—
	¶	Arlington	—	613	42·0	52·4	47·2	+ 3·3	32	10th	61	3rd	—	—	—	16	3·25	−2·43	1·16	21st	—	—	—	—
	¶ §	Cullompton	M	202	40·8	53·5	47·2	+ 3·4	27	10th	62	2nd	—	—	4	12	1·51	−2·13	0·48	21st	71	+ 15	27	+

MONTHLY WEATHER CHARTS, NOVEMBER, 1908.

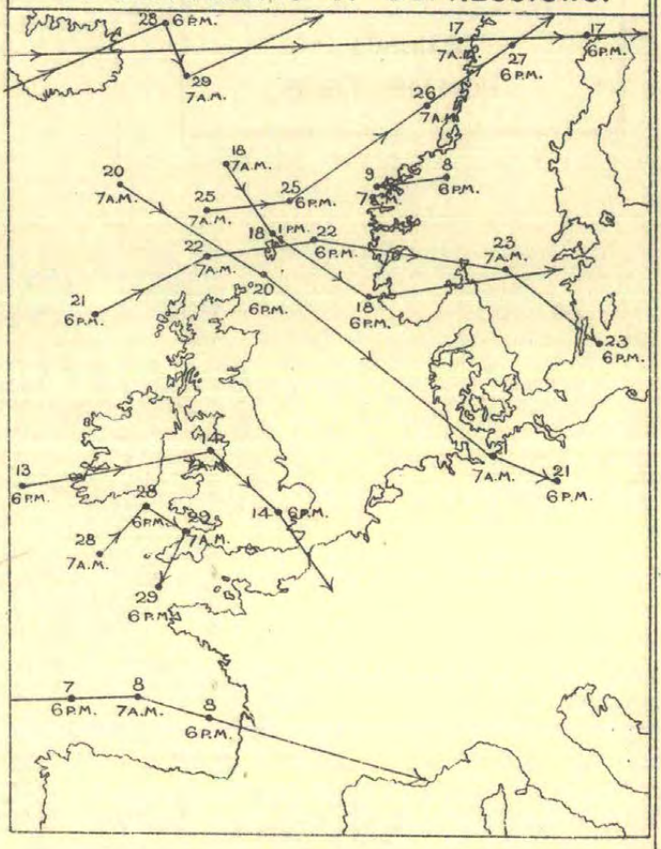
1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in Nov^r based on 35 years' observations, 1871–1905.



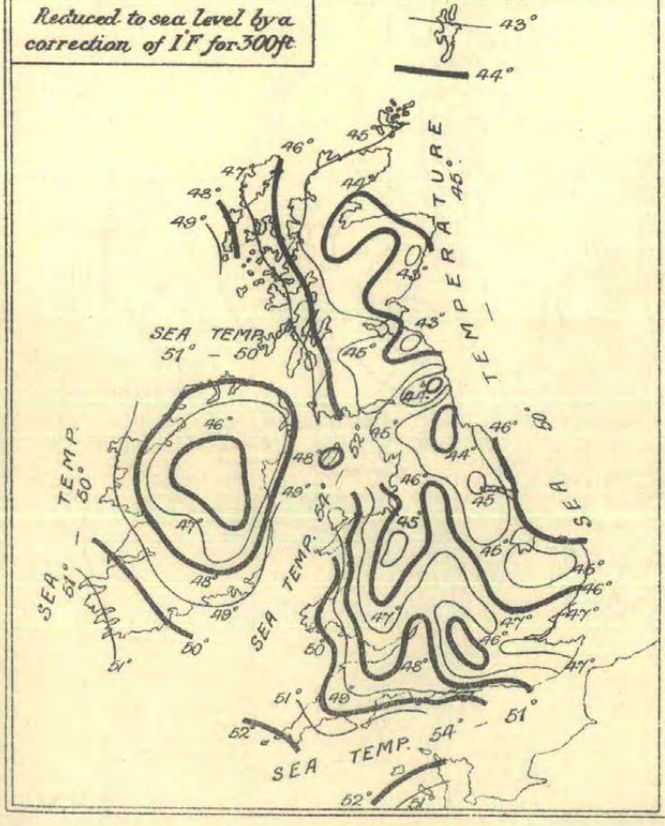
WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* Light — moderate — strong — 30 Obs^ns = 1 inch

2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.

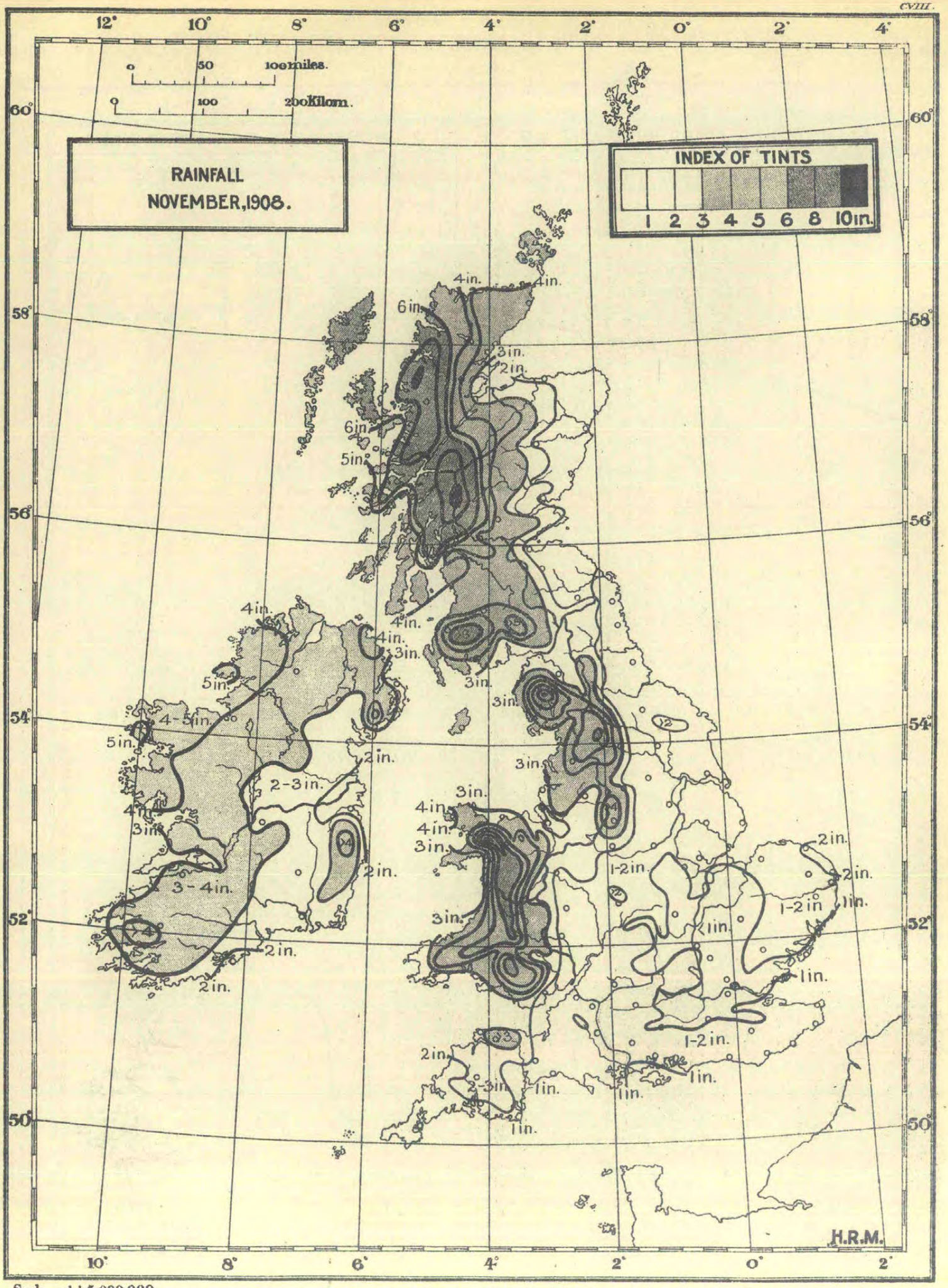
Reduced to sea level by a correction of 1°F for 300ft.



4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 20, 40, 60, 80, 100 and 120 hrs

Wyman & Sons. Ltd. Lith., London & Reading.



Scale 1 : 5,000,000.

TABLE XXII (*continued*).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, NOVEMBER, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A (Min.)	Mean of B (Max.)	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
8. ENGLAND, S.W.—(*continued*)	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75	+ 9	28	+ 3
	§ Weymouth	21	45·2	54·6	49·9	—	33	10th	62	12th	—	—	—	9	1·12	—	0·43	21st	104	—	39	—
	Newquay	100	46·8	55·2	51·0	+ 3·0	36	8th, 9th	63	2nd	51·2	—	—	14	1·31	−2·41	0·33	28th	104	+ 29	39	+11
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	97	—	37	—
	Penzance	54	48·7	56·0	52·4	—	39	16th	61	2nd	—	—	—	14	1·60	—	0·39	28th	95	—	36	—
9. IRELAND, N.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.	Dublin (Glasnevin)	67	40·6	53·4	47·0	+ 2·9	24	30th	60	11th	—	—	8	14	1·33	−1·45	0·31	13th	—	—	—	—
	Kingstown	—	43·9	54·2	49·1	—	30	30th	60	3rd, 11th	—	—	—	15	1·14	—	0·36	13th	75	—	30	—
	Clongowes Wood College	245	37·3	52·4	44·9	—	25	30th	60	2nd	—	—	8	16	1·94	—	0·40	21st	?	—	?	—
	¶ Kilkenny	212	39·3	52·8	46·1	+ 2·0	26	30th	61	3rd	—	—	—	16	2·48	−0·57	0·48	27th	—	—	—	—
	¶ Cahir 𝔐	199	41·0	52·9	47·0	+ 2·7	26	30th	60	3rd	—	—	—	23	2·77	—	0·53	27th	—	—	—	—
	¶ Foynes	108	43·1	53·3	48·2	+ 3·2	29	9th	60	11th	—	—	—	29	3·10	−1·01	0·42	21st	—	—	—	—
	§ Ballinacurra	34	43·4	54·4	48·9	—	29	30th	61	3rd	—	—	—	15	1·83	—	0·49	13th	44	—	17	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey)	180	48·3	56·3	52·3	+ 3·6	38	10th	65	2nd, 3rd	—	—	—	12	1·73	−3·04	0·54	12th	122	+ 60	46	+23

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for **latitude** has not been applied to the readings quoted in the Tables. It is applied to the readings at sea level from which the chart showing the mean monthly distribution of pressure is prepared. The values given in the tables are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... .' Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 0, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumes of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked 𝕊 is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street, London, S.W. December 25th, 1908.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. XII. DECEMBER, 1908. [*Price 6d.* *Annual Subscription post paid, 6s. 6d.*

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The range of the barometer during December was considerably greater than in recent months, exceeding 1¼ in. at Valencia, and at several of the southern and eastern stations it was about 1⅜ in. The regions of maximum pressure were invariably found over Continental countries, from the Spanish Peninsula round to Scandinavia and Russia. As a rule the anticyclones were of only moderate intensity for the winter season—it was not until nearly the close of the month that the barometer rose above 30·8 ins. in the extreme north of Scandinavia (26th and 27th) and round the Gulf of Finland (31st). On several days these high pressure systems embraced the British Isles, the barometer rising to 30·47 ins. at Oxford and Yarmouth on the 1st, to 30·4 ins. at Jersey on the 21st, and to 30·58 ins. at Jersey, and 30·51 ins. at Portland Bill and Dover on the 31st. Out on the upper part of the Atlantic, on the other hand, pressure was frequently low, the central spaces of depressions being indicated at a considerable distance beyond our western coasts on at least 24 days. The mean distribution of pressure for the whole month was in accordance with these general features. At Reykjavik, in the south-west of Iceland, the barometer averaged 29·25 ins., and thence to the eastward and south-eastward the results show a fairly uniform increase, to 29·65 ins. in the Hebrides, and to 30 ins. from Brittany across the north of France, Belgium and Holland, to and beyond the north of Denmark. The gradient across the British Isles was about the same as the normal, but the type was more South-Westerly. Winds from South and South-West prevailed in all districts, with a fair proportion from the North-West and South-East quarters.

During the opening days of the month the conditions over these Islands were wholly under the influence of the Continental anticyclone which had spread over the country on November 29th, so that calms and light variable breezes prevailed, with a good deal of fine weather, but in many parts of England the atmosphere was frequently misty to foggy. By the evening of the 5th, cyclonic systems on the northern part of the Atlantic began to expand north-eastward towards northern Europe, and the conditions then assumed a less settled type for the rest of the month. The weather variations, however, were mainly produced by small pressure irregularities, secondaries to the primary low pressure systems out on the Atlantic. On nearly every day the wind was fresh to strong or high, chiefly in the western districts, and until the middle of the month thunderstorms, or thunder or lightning alone, occurred in several parts of England, Ireland and the west of Scotland, the rainfall also at this time being considerable. Falls of an inch or more in a day were, however, rare, 1·6 in. at Laudale and Oban, and 1·7 in. at Ardnadam (Argyll) on the 5th: 1·5 in. at Glencarron, and 1·8 in. at Fort William on the 7th; and 2·1 ins. at Pembroke on the 15th.

The largest and deepest depression which visited these Islands appeared to the south-westward of Iceland on the morning of the 7th, and reached the neighbourhood of Shetland on the 10th. On the morning of the 10th a secondary formed near Dublin, and moving north-eastward it became merged next day in the primary on the North Sea. Subsequently the disturbance passed across the Low Countries and dispersed on the Baltic. On the 10th and 11th the barometer fell below 29 ins. at nearly every station in the United Kingdom. A decided increase in the force of the wind, South-Westerly veering North-Westerly, was experienced in all districts, gale force being attained at many stations, a strong gale at Scilly, Jersey, Portland Bill and Spurn Head. At Shoeburyness, the anemometer registered a mean hourly velocity of 44 miles (at the rate of 58 miles an hour in gusts); Southport 45 miles (57 miles in gusts); Pendennis Castle and Fleetwood 48 miles (the former 63 miles in gusts). The heaviest rain was in Scotland, 1·1 in. at Aberdeen, 1·2 in. at Dyce, and 1·7 in. at Deerness on the 11th.

Until Christmas the most notable feature of the weather was its uniform mildness. With a preponderance of South-Westerly breezes, temperature was nearly always above its normal level, there were no night frosts of any marked intensity, very few minimum values as low as 25° being recorded, while in the daytime maxima above 50° were frequent, but readings above 55° were rarely reported—57° at Killarney and Valencia on the 1st, at Jersey on the 13th, and at Dublin on the 21st; 58° at Torquay on the 19th, and at Killarney on the 20th.

On Christmas Day the distribution of pressure underwent considerable modification, an Atlantic depression passing on to the Bay of Biscay, and the Continental anticyclone working round to northern Scandinavia, while the middle Atlantic anticyclone was expanding to the Spanish Peninsula. These Islands were thus in a belt of low pressure (extending from Iceland to the Mediterranean) separating two high pressures. Moderate temperature and very quiet, dry weather were experienced in all parts of the Kingdom on the 25th, but on the following day the conditions gradually assumed a more disturbed appearance, the wind increasing from between South, South-East and North-East, rain setting in in many localities, and temperature decreasing appreciably. In the course of the night of the 26th the conditions quickly became of a most wintry type. When observations were taken on the morning of the 27th, snow was falling in most parts of England and eastern Scotland, and temperature continued to give way. For four days the inclement weather was maintained, more or less snow being experienced except in a few localities in the extreme south-west and west. The conditions were aggravated on the 29th, on which morning a secondary disturbance appeared off the south of Ireland, and in the course of the day it was transferred to the Channel Isles and on to the north of France. Under its influence and that of the primary system (centred near Iceland) gales blew on many parts of our coasts, a strong Westerly gale at Malin Head, and from South-East at Donaghadee, a whole gale from South-East at Castlebay. At Deerness the anemometer registered a mean hourly velocity of 56 miles in an hour. With the high winds prevailing the snow was swept into great drifts in many places, and traffic by road and rail had to be suspended temporarily. In the circumstances it was difficult to ascertain what depth of snow fell on any one day. Abersychan had 9 ins. on the 28th; next day Brighton had 5¾ ins., and Lewes 6¾ ins. In the four days, 27th–30th, Llandrindod Wells had 11¼ ins., yielding 0·94 in. of water, Parkstone, Dorset, 1 foot, yielding 0·84 in. The snowfall at Aberdeen on the 27th yielded 1·3 in. of water, on the 29th at Stockbridge (Hants) 1·2 in., and at Watergate (Sussex) 0·8 in. In the far west very heavy rain fell on the 28th with some snow or sleet locally. The largest measurements of water were 1·3 in. at Dundrum, 1·5 in. at Kilkenny and Waterford, 1·6 in. at Mount Callan (Clare) and at Falmouth, 1·9 in. at Penzance, and 2·1 ins. at Bray. At Falmouth an inch of rain fell in 3 hours 20 minutes on the morning of the 29th.

The cold during these four days was very severe, especially in the south of England. On the 29th temperature failed to rise above 27° at Brighton, 26° at St. Leonards, and remained below 25° in many places, as low as 22° at Garforth, Buxton, Fulbeck, Kingston-on-Soar, Oundle, Coventry, Winslow, Wisley and Wokingham. Next day the thermometer reached its lowest level, descending below 20° at places on the south coast, to 16° at Totland Bay, Isle of Wight, while inland there were many minima below 10°, down to 3° at Garforth, Raunds and Swarraton, 1° at Woburn, zero at Maidenhead, and −1° at Liphook, Hants. Falmouth did not pass below 35° and Penzance 36°. The night of the 30th brought a very rapid rise of temperature, and the early morning observations of the 31st showed that the frost had already disappeared, the year closing in mildness.

The anticyclonic fine weather of the first week was marked by much fog on the east coast of Britain daily, on the Irish Sea during the first three days, while on the south coast only one or two localities were affected daily. Between the 14th and the 22nd fog was again fairly prevalent on the east coast and in the western Channels, much less so on the south coast.

Off Shetland the mean temperature of the surface sea water was a degree higher than that for November, but on all other coasts it showed a decrease of 4° or more in many localities, 6° off Scarborough and at the Shipwash, and 7° off the Mersey Bar. Even then the water was warmer than the air along the coast, by 5° or more at a number of places, by 7° off Wick, the Isle of Man and Lamlash, and by 8° off the coast of Down.

Rainfall.—There was an excess of precipitation generally over the north and west of Scotland, the north of Ireland, south-eastern England and the English Channel, Rothesay showing an excess of 2·2 ins., and Pembroke of 2·1 ins., whereas Glencarron had a deficiency of 2·1 ins. The aggregate totals varied considerably. Gruline, Mull, had 12·3 ins., Ardnadam 11·2 ins., Fort William 10·5 ins., Carragh Lake, Kerry, 10·1 ins., and several other western and northern stations more than 7 ins. There were, however, few totals of less than an inch, 0·9 in. at Rounton and Cromer, 0·8 in. at Marchmont, 0·7 in. at Durham, and 0·6 in. at Leith. Precipitation was more frequent than in many preceding months, the smallest frequency being 12 days at Wakefield, while Bawtry, Lowestoft, Clacton-on-Sea, Tottenham and Trinity College, Dublin, had 13. At the other extreme Swansea, Llandovery, Llandrindod Wells, Cahir and Blacksod Point had 28 rain days, Stornoway and Sumburgh Head 29, Balta Sound and Valencia Island 30, and Foynes 31.

Bright Sunshine.—In North Wales and the north-west of England there was a small excess of sunshine, Llandudno receiving 13 hours more than the average. The greatest deficiency was in the east of England, Geldeston losing 28 hours, and Hillington 36 hours. The largest totals were 61 hours at Jersey, 60 hours at Penzance, 58 hours at Totland Bay, and 57 hours at Bognor—24 per cent. of the possible duration. Manchester City had 8 hours (4 per cent.), Bunhill Row, London, 7 hours (3 per cent.), Garforth 6 hours (3 per cent.), Hillington 5 hours (2 per cent.), Hull and Newcastle-on-Tyne 4 hours (2 per cent.), and York only 3 hours (1 per cent.).

525. 1/09. Wy. & S. 7665*r*.

TABLE XXIII.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum	Day.	Absolute Maximum	Day.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·514	+ ·003	38·5	45·2	41·9	+2·3	22	28th	51	2nd	42·5	42·3	1·1	1·2	·248	·244	91	91	—	—
	§ Deerness – – –	163	29·480	—	38·7	45·5	42·1	+2·4	26	28th	51	2nd, 5th	42·2	42·2	1·5	1·5	·241	·241	88	88	—	—
	¶ § Stornoway – –	52	29·560	– ·061	37·9	46·2	42·1	+2·8	29	29th	53	2nd, 7th	42·1	43·0	0·2	0·5	·264	·266	98	96	—	—
	Castlebay – – –	48	29·566	– ·035	41·9	48·4	45·2	+3·5	32	29th	53	5th	45·7	45·5	2·0	1·9	·262	·261	86	86	—	—
Mainland.	¶ Wick – – –	80	29·570	– ·025	36·1	45·9	41·0	+2·6	27	30th, 31st	52	2nd	41·2	41·6	1·7	1·7	·223	·228	87	87	—	—
	¶ Lairg – – §	390	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§ Strathpeffer – –	210	29·448?	—	32·2	43·3	37·8	+1·4	17	26th	54	8th	36·9	38·0	1·1	1·1	·198	·206	91	90	—	—
	¶ Glencarron – §	504	29·115	—	34·0	45·1	39·6	+2·6	25	25, 26, 30th	55	21st	39·0	39·8	1·6	1·9	·207	·208	87	85	—	—
	¶ § Fort Augustus §	78	29·621	—	34·2	44·7	39·5	+1·5	21	26th	53	22nd	40·2	40·3	1·3	1·3	·222	·223	90	90	—	—
	¶ Fort William – §	38	29·667	—	35·7	45·1	40·4	+1·0	25	29th	53	22nd	40·3	40·9	1·5	1·5	·219	·224	88	88	—	—
	Dunrobin Castle §	16	29·648	—	34·7	46·1	40·4	+1·7	27	29th	54	8th, 22nd	39·4	40·6	1·3	1·9	·218	·219	89	85	41·9	—
	District Value –				**36·1**	**45·4**	**41·0**	**+2·0**	**17**		**55**											
1. SCOTLAND, E.																						
	¶ § Nairn – – –	82	29·578	– ·040	31·5	44·0	37·8	+0·3	20	26, 27, 28th	53	5, 20, 22nd	37·6	38·7	1·4	1·5	·198	·206	88	88	—	—
	¶ Gordon Castle §	107	29·576	—	34·0	45·7	39·9	+1·5	21	28th	55	22nd	40·5	41·6	2·4	2·5	·204	·212	81	81	—	—
	¶ § Aberdeen – –	90	29·647 / 29·641	– ·014 / – ·016	36·8	44·3	40·6 / 40·7	+2·6 / +2·2	27	28th	51	20th	40·1	40·7	1·6	1·9	·216	·215	87	85	—	43·6
	Tillypronie – §	1120	28·517	—	31·6	42·8	37·2	+2·3	20	29th, 30th	52	20th	36·5	35·8	1·3	1·2	·195	·190	88	88	—	—
	¶ *Balmoral* – – §	927	—	—	30·6	44·8	37·7	+3·2	20	30th	53	4th, 20th	36·6	—	1·6	—	·186	—	86	—	—	—
	Dundee – – §	164	29·592	—	33·7	43·2	38·5	+1·1	20	28th, 29th	50	5, 8, 23rd	38·4	38·8	0·6	0·7	·226	·226	95	94	—	—
	¶ Crieff – – §	436	29·280	—	32·8	42·7	37·8	+0·7	20	28th, 29th	54	20th	37·8	38·2	1·1	1·2	·206	·206	91	90	—	—
	¶ Leith – – –	37	29·698	– ·037	34·7	46·0	40·4	+1·0	22	30th	54	5, 20, 21st	40·3	41·4	1·7	1·8	·215	·224	87	87	—	—
	¶ § Marchmont – §	500	29·228	—	31·4	42·2	36·8	+0·2	18	30th	50	5th	36·9	37·2	1·1	1·2	·198	·198	91	89	38·4	—
	District Value –				**32·7**	**43·9**	**38·3**	**+0·8**	**16**		**55**											
2. ENGLAND, N.E.																						
Northern Part.	§ Cockle P'rk (Morpeth)	331	29·434	—	31·6	42·5	37·1	—	16	30th	52	20th	37·5	37·6	0·8	1·0	·213	·210	93	92	38·0	42·4
	¶ Shields – – –	117	29·671	– ·016	32·3	43·6	38·0	–1·1	19	30th	53	8th	38·0	39·8	0·9	1·1	·210	·223	92	92	—	—
	Seaham – – –	138	29·669	—	33·9	42·3	38·1	–0·7	18	30th	52	8th	37·3	37·7	1·0	0·8	·206	·210	92	93	—	—
	¶ § Durham – – –	352	29·437	—	31·7	41·7	36·7	–0·8	15	30th	52	8th	35·6	37·1	0·6	0·9	·203	·209	94	93	—	—
	Whitby – – –	145	29·671	—	34·2	43·3	38·8	–1·5	15	30th	51	22nd	37·5	38·9	1·1	1·1	·206	·216	89	89	—	—
	¶ Rounton – – M	245	29·556	—	32·5	41·6	37·1	–0·4	12	30th	50	8th	36·5	37·4	1·0	0·9	·196	·205	91	92	39·7	—
	¶ § Scarborough – M	100	29·700	—	35·6	43·8	39·7	+0·5	23	29th	50	21st	38·4	38·9	1·1	1·2	·210	·214	91	91	—	45·2*
	¶ § York – – –	53	29·799	—	33·9	42·5	38·2	0·0	13	30th	50	20th	37·4	38·6	0·4	0·5	·215	·224	96	96	41·5	45·6
Southern Part.	Hull – – – –	12	29·873	—	34·6	42·6	38·6	+0·7	12	30th	50	8th, 21st	38·8	39·7	1·4	1·3	·209	·218	89	89	39·9	46·2
	¶ Spurn Head – –	28	29·822	– ·002	36·9	42·2	39·6	0·0	25	30th	47	5, 8, 21st	39·2	40·1	0·6	0·9	·228	·229	95	93	—	—
	§ Skegness – – –	16	29·877	+ ·017	35·1	42·0	38·6	—	21	29th	49	6th, 8th	38·2	39·8	0·4	0·7	·222	·230	97	95	—	—
	¶ Lincoln – – –	42	—	—	31·9	43·7	37·8	+0·4	11	30th, 31st	54	21st, 22nd	38·1	40·1	1·5	1·3	·207	·227	87	88	41·1	46·5
	District Value –				**33·3**	**43·0**	**38·4**	**–0·7**	**11**		**54**										**40·3**	**45·5**
3. ENGLAND, E.																						
Northern Part.	¶ § Cromer – – –	139	29·738	—	34·6	42·8	38·7	—	22	29th	50	12th, 17th	38·3	38·4	0·5	0·5	·221	·222	96	96	—	—
	¶ § Hillington – M	92	29·802	—	33·1	41·9	37·5	0·0	11	30th	50	13th	38·1	37·5	0·7	1·0	·216	·204	94	91	—	—
	¶ Norwich – – –	93	—	—	35·4	42·1	38·8	—	23	28, 30, 31st	49	10, 15, 17th	—	—	—	—	—	—	—	—	—	—
	¶ § Yarmouth – –	21	29·879	+ ·025	36·1	42·6	39·4	+0·8	25	29th, 30th	50	15th	39·1	40·4	0·7	1·0	·225	·230	94	92	41·5	47·4
	Lowestoft – M	75	29·858	—	36·0	43·2	39·6	+0·4	25	29th	49	15th	40·2	39·1	1·1	1·0	·226	·218	91	92	42·0	46·3
	¶ § Geldeston – –	47	29·884	—	35·4	43·3	39·4	+0·8	23	29th	51	15th	39·2	39·6	0·7	1·0	·226	·223	94	92	—	—
Southern Part.	¶ § Cambridge – –	43	29·877	—	33·0	43·4	38·2	+0·2	7	30th, 31st	53	10th	38·1	37·9	0·7	0·6	·222	·223	94	94	41·8	47·2
	Woburn – – –	294	29·617	—	33·3	43·2	38·3	—	1	30th	52	10th, 13th	37·6	38·5	0·7	1·0	·224	·222	95	91	—	—
	Bennington – M	411	29·510	—	33·4	42·7	38·1	0·0	15	30th	51	10th	37·4	37·4	0·7	0·7	·209	·209	93	93	42·6	45·9
	¶ § Clacton – – –	62	29·871	– ·005	36·6	42·9	39·8	+0·9	17	30th, 31st	52	16th	39·8	40·3	0·9	0·9	·227	·231	93	93	43·9	48·8
	Berkhamsted – M	397	29·498	—	33·2	42·9	38·1	–0·1	12	30th	52	13th	37·1	37·4	0·4	0·5	·213	·214	96	96	41·9	—
	District Value –				**34·9**	**42·9**	**39·1**	**+0·4**	**1**		**53**										**42·4**	**47·4**
4. MIDLAND COS.																						
Eastern Part.	Garforth – – –	198	—	—	30·5	43·1	36·8	—	3	30th	52	20th	36·8	37·2	0·8	0·9	·209	·207	93	93	41·1	45·4
	Huddersfield – –	411	29·403	—	34·4	42·0	38·2	—	14	30th	51	21st	37·2	38·5	0·8	1·0	·214	·219	93	91	40·3	45·0
	Wakefield – M	100	29·759	—	33·9	44·7	39·3	+0·4	11	30th	54	20th, 22nd	38·1	40·3	1·2	2·0	·205	·209	89	84	—	—
	Belvoir Castle–	276	29·595	—	34·4	43·3	38·9	+1·1	10	30th	52	21st	37·5	38·7	0·3	0·8	·218	·220	97	94	—	45·3*
	Coventry – –	309	29·569	—	34·1	43·5	38·8	+0·5	13	30th	51	21st	37·8	—	0·7	—	·212	—	94	—	42·4	48·1
	¶ § Nottingham – –	85	29·785	– ·031	33·6	43·3	38·5	+0·3	9	30th	53	21st	38·1	39·4	0·8	1·1	·213	·220	93	91	40·4	44·9
	¶ § Birmingham – –	542	29·299	—	34·6	42·8	38·7	0·0	14	30th	51	21st	37·9	38·5	0·7	1·0	·222	·217	94	91	42·7	47·5
	¶ § Oxford – – –	212	29·698 / 29·688	– ·020 / – ·024	34·6	43·9	39·3	+0·4	9	30th	53	13th	38·4 / 39·5	39·5 / —	0·8 / 1·0	— / —	·216 / ·222	— / —	93 / 92	— / —	—	—
Western Part	¶ § Bath – – –	84	29·814	– ·038	36·1	46·6	41·4	+0·7	16	30th	56	21st	40·6	42·1	0·9	—	·234	—	93	—	44·9	50·4
	¶ Shrewsbury – –	212	29·647	—	35·0	46·5	40·8	–0·2	20	29th, 30th	55	21st	39·5	38·8	0·8	0·9	·231	·221	92	91	—	—
	Buxton – – M	997	28·789	—	31·4	40·6	36·0	0·0	4	30th	50	21st	35·5	35·9	0·6	0·5	·196	·200	94	95	40·6	45·7
	§ Sheffield – – –	450	29·384	—	34·7	42·9	38·8	–0·4	14	30th	52	21st	38·1	39·0	1·1	1·4	·215	·214	90	86	40·6	45·7
	Stokesay – –	375	29·480	—	35·0	44·9	40·0	—	19	28th, 29th	53	17th	39·6	39·0	0·8	0·8	·227	·222	93	94	—	—
	Cheltenham – M	206	29·688	—	36·2	44·6	40·4	+1·5	21	30th	54	21st	40·8	40·0	1·1	1·1	·231	·225	91	91	—	—
	District Value –				**33·8**	**43·7**	**39·0**	**+0·5**	**3**		**56**										**41·5**	**46·1**

For notes see p. cxix. * (3 ft.)

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the month of DECEMBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Day	Precipitation.	Snow.	Hail.	Thunder-storm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Wind-force 8 and above.	No. of Obs. of Forces 4–7	Calm.	N.	N.E.	E	S.E	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
—	—	—	—	8·0	8·0	4·53	+0·08	0·58	7th	29	4	0	0	0	23	0	—	2	26	7	2	2	2	13	16	4	15	1	Sumburgh Head.
19	– 6	10	– 3	7·3	6·7	4·08	–0·08	1·67	11th	19	3	2	2	0	12	1	—	5	35	5	2	1	1	13	20	13	6	1	Deerness.
18	– 6	9	– 3	7·0	6·7	7·08	+1·18	0·88	22nd	29	3	3	2	0	9	0	—	5	43	2	3	0	0	5	17	21	9	5	Stornoway.
26	—	13	—	8·6	8·6	6·46	—	1·12	26th	27	2	6	0	0	21	2	—	2	41	0	3	1	3	18	11	8	12	6	Castlebay (Barra Isd.)
—	—	—	—	6·1	7·4	2·84	–0·15	0·94	11th	21	3	0	1	0	11	0	—	4	19	2	6	0	0	1	29	10	14	0	Wick.
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lairg.
—	—	—	—	6·7	6·2	2·93	–0·70	0·41	5th	24	3	0	0	2	8	0	—	0	10	32	1	1	0	0	4	11	12	1	Strathpeffer.
21	– 8	10	– 5	7·5	7·2	8·37	–2·06	1·51	7th	25	3	0	0	3	17	2	—	2	16	2	13	0	15	0	1	0	31	0	Glencarron.
—	—	—	—	7·7	7·6	4·56	–1·26	1·07	9th	20	3	1	0	0	14	4	—	4	10	7	6	3	0	2	6	28	8	2	Fort Augustus.
15	+ 5	7	+ 2	8·8	7·0	10·47	+0·61	1·83	7th	25	6	0	2	1	17	4	—	2	13	10	1	9	4	2	4	19	13	0	Fort William
—	—	—	—	—	—	1·82	–1·29	0·25	29th	16	1	0	0	—	—	0	—	1	13	2	3	12	4	9	0	6	16	10	Dunrobin Castle
18	– 2	9	– 1	7·5	7·3	6·31	+0·45	1·83		25																			
39	—	19	—	4·4	6·0	1·31	–0·77	0·22	9th	20	2	0	0	5	6	3	—	0	3	22	1	0	2	3	2	7	24	1	Nairn.
31	—	15	—	6·8	6·8	1·27	–1·47	0·49	11th	15	3	0	0	1	10	0	—	2	4	0	1	0	2	15	26	17	0	1	Gordon Castle.
19	–18	9	– 9	7·8	7·0	4·88	+1·82	1·25	27th	15	6	0	0	1	15	1	—	0	11	8	0	0	0	8	18	17	4	7	Aberdeen.
—	—	—	—	6·6	6·1	2·45	–0·24	0·67	28th	16	6	0	1	1	11	4	17	3	15	0	4	1	0	13	11	23	2	8	Tillypronie.
—	—	—	—	6·9	—	2·11	–1·19	0·50	11th	14	6	0	0	8	16	1	24	6	0	0	4	2	2	2	8	14	30	0	Balmoral.
—	—	—	—	7·5	6·6	1·61	–1·04	0·33	27th	16	3	0	0	3	11	4	—	2	5	0	1	2	4	15	1	26	2	11	Dundee
—	—	—	—	7·3	7·4	3·74	–0·57	0·58	30th	22	4	0	0	0	13	5	—	2	10	0	5	1	20	0	2	2	28	4	Crieff.
—	—	—	—	6·4	6·5	0·63	–1·34	0·12	28th	18	3	0	0	2	11	0	—	2	2	3	0	1	3	13	6	17	16	3	Leith.
—	—	—	—	6·6	5·7	0·81	–2·14	0·11	10th	16	3	0	0	4	12	0	21	0	4	0	1	0	10	3	7	5	32	4	Marchmont.
30	– 5	14	– 3	6·6	5·7	0·81	–2·14	0·11	10th	16	3	0	0	4	12	0	21	0	4	0	1	0	10	3	7	5	32	4	
29	– 2	14	– 1	6·7	6·5	2·00	–0·93	1·25		18																			
39	—	18	—	7·9	7·4	2·89	+0·17	0·71	28th	21	3	0	0	0	15	2	30	0	18	1	0	0	0	11	9	25	6	10	Cockle Park (Morpeth).
—	—	—	—	8·5	8·5	1·75	–0·42	0·43	10th	14	3	0	0	0	20	8	—	0	12	4	0	0	0	5	29	15	7	2	Shields.
—	—	—	—	7·3	7·4	1·06	–1·34	0·26	10th	16	5	1	0	2	16	2	—	0	15	4	0	0	0	4	20	20	11	3	Seaham.
25	–17	11	– 8	8·9	8·5	0·66	–1·67	0·19	10th	17	3	0	0	1	24	6	19	0	5	16	0	0	0	3	24	13	5	1	Durham.
29	—	13	—	7·4	7·5	2·09	–0·28	0·59	11th	14	4	0	0	3	18	5	—	0	1	2	0	0	0	20	2	35	0	3	Whitby.
—	—	—	—	8·6	8·6	0·95	–1·06	0·29	10th	21	2	0	0	0	22	6	15	0	9	6	0	0	0	13	26	12	1	4	Rounton.
21	—	9	—	9·3	9·5	2·24	–0·12	0·63	11th	20	4	0	0	0	26	7	—	0	24	0	0	0	0	0	1	47	4	10	Scarborough.
3	–22	1	–10	7·2	7·5	1·87	–0·17	0·52	10th	27	2	0	0	5	16	11	—	0	1	6	0	2	0	4	40	3	4	3	York.
4	—	2	—	9·4	8·1	1·59	–0·58	0·60	15th	15	2	0	0	0	22	12	8	0	2	14	2	0	1	6	1	20	11	7	Hull.
—	—	—	—	7·5	7·2	1·12	–0·64	0·26	10th	15	4	0	0	1	16	13	—	4	30	0	1	0	2	6	22	20	7	4	Spurn Head.
22	—	10	—	7·8	7·5	1·23	—	0·32	14th	22	3	0	0	0	18	8	—	0	11	0	2	0	1	6	14	22	12	5	Skegness.
—	—	—	—	—	—	1·43	–0·43	0·31	15th	21	5	0	0	—	—	4	—	1	3	5	2	0	3	12	8	21	7	4	Lincoln.
22	–16	10	– 7	8·2	8·0	1·52	–0·70	0·71		19																			
20	—	9	—	9·0	7·6	0·92	—	0·24	14th	21	3	0	0	1	20	4	—	2	13	1	0	1	3	10	26	13	4	4	Cromer.
5	–36	2	–16	9·1	7·3	1·90	–0·37	0·26	13th	23	5	0	0	0	18	7	9	0	6	14	0	0	5	7	5	20	7	4	Hillington.
—	—	—	—	—	—	1·65	—	0·26	14th	26	—	—	—	—	—	—	11	—	—	—	—	—	—	—	—	--	—	—	Norwich.
21	—	9	—	6·8	7·6	1·56	–0·55	0·35	11th	15	5	0	1	0	11	9	—	3	22	3	2	2	7	7	12	14	11	4	Yarmouth.
24	—	10	—	8·4	7·8	1·45	–0·54	0·39	11th	13	5	2	1	2	20	10	7	—	17	8	1	4	6	3	4	17	13	7	Lowestoft.
20	–28	9	–12	8·6	8·0	1·22	–0·77	0·28	14th	14	5	2	1	3	23	7	—	0	4	0	1	1	8	6	12	20	11	3	Geldeston.
20	–20	9	– 8	8·8	7·4	1·47	–0·15	0·24	13th	17	2	0	1	1	20	8	10	1	4	8	2	2	3	17	7	17	5	1	Cambridge.
—	—	—	—	9·2	7·9	1·57	—	0·29	14th	18	3	0	0	1	21	6	—	0	8	13	0	1	6	3	16	15	5	3	Woburn.
—	—	—	—	9·0	8·8	1·81	–0·36	0·35	14th	18	2	0	1	1	24	15	17	0	1	23	0	0	9	8	8	7	6	1	Bennington.
23	—	10	—	8·6	8·7	1·70	—	0·68	14th	13	4	0	0	0	23	3	7	1	22	1	3	2	8	9	18	6	7	8	Clacton.
24	—	11	—	8·9	7·7	2·23	–0·31	0·30	29th	21	3	1	0	1	21	13	18	0	2	11	0	2	6	8	22	4	7	2	Berkhamsted
20	–23	9	– 9	8·7	8·0	1·57	–0·37	0·68		18																			
6	—	3	—	8·4	7·7	1·04	—	0·38	15th	16	1	0	0	0	18	11	—	0	1	21	0	0	0	12	9	7	8	2	Garforth.
16	—	7	—	8·0	7·9	1·75	—	0·34	15th	21	3	0	0	0	18	8	13	0	5	22	0	1	5	10	8	8	6	2	Huddersfield
—	—	—	—	8·2	7·8	1·02	–1·17	0·34	15th	12	2	0	0	0	19	8	—	—	1	1	0	0	3	16	12	26	4	0	Wakefield.
25	—	11	—	8·5	7·8	1·33	–0·77	0·27	15th	23	2	0	0	1	19	5	11	1	18	15	0	1	0	9	19	10	5	3	Belvoir Castle.
18	—	8	—	7·2	—	2·05	–0·04	0·29	8th	22	4	0	0	7	19	4	12	0	12	10	0	2	6	6	18	16	2	2	Coventry.
19	—	4	—	8·8	7·0	1·14	–0·95	0·26	15th	22	2	0	0	1	21	8	10	0	9	1	0	0	6	5	11	28	9	2	Nottingham.
21	—	9	—	8·5	6·9	2·06	–0·18	0·39	15th	18	3	0	0	0	16	1	18	0	3	16	2	0	3	8	11	15	4	3	Birmingham
29	–12	12	– 5	8·9	6·7	1·99	–0·04	0·38	29th	21	2	0	0	2	19	7	12	0	7	8	2	1	9	8	21	5	5	3	Oxford.
				8·0	—	1·96	–0·07																						
40	—	17	—	7·9	7·8	2·57	–0·35	0·40	29th	21	—	—	—	2	23	—	—	—	2	4	2	12	7	5	5	16	6	5	Bath.
—	—	—	—	8·5	6·6	2·07	—	0·57	15th	24	2	0	0	0	16	1	0	0	4	3	0	1	1	21	19	7	4	6	Shrewsbury.
21	—	9	—	8·2	7·5	3·34	–1·79	0·72	10th	24	4	0	0	2	18	7	18	0	4	11	0	0	9	5	8	19	6	4	Buxton.
20	—	9	—	7·4	7·6	2·02	–1·04	0·78	15th	18	3	0	0	1	14	5	14	0	2	12	1	1	0	10	8	21	5	4	Sheffield.
—	—	—	—	8·5	9·0	2·75	—	0·61	15th	24	4	0	0	0	22	0	12	1	11	12	1	0	1	9	19	13	2	5	Stokesay.
33	—	14	—	8·3	7·1	2·20	–0·14	0·35	8th	20	2	0	0	0	18	2	7	0	4	4	0	9	1	11	9	26	1	1	Cheltenham.
22	–14	9	– 7	8·2	7·5	1·97	–0·37	0·80		21																			

TABLE XXIII. (*continued*).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 7 a.m. and 6 p.m. STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Day	Max.	Day.
		ft.	Ins.	Ins.	° Min.	° Max.	°	°	°		°	
5. ENGLAND, S.E.	Reading	264	29·535	—	33·3	43·7	38·5	—	8	30th	55	13th
	Salisbury	186	29·715	—	34·7	45·0	39·9	+1·6	12	30th, 31st	55	13th
	Dover	231	29·682	−·014	35·9	43·5	39·7	—	18	30th	51	10, 13, 16th
	Brighton	48	29·886	—	38·3	45·5	41·9	+0·7	18	30th	53	10th
§	Eastbourne	36	29·904	—	36·9	46·5	41·7	+1·1	17	31st	54	1st
	Portsmouth	18	29·915	—	38·3	47·1	42·7	+1·6	17	30th	56	13th
¶	Dungeness	21	29·883	−·036	36·3	45·2	40·8	−0·1	13	31st	53	10th, 13th
¶	Hastings	174	29·757	—	37·1	44·6	40·9	+0·1	20	30th	52	10th
¶ §	Southampton	84	29·849	—	36·6	45·8	41·2	+0·5	16	30th	55	10th
¶ §	*Ventnor*	80	29·823	—	39·7	48·7	44·2	−1·0	20	30th	54	10th
	District Value				**35·8**	**44·7**	**40·5**	**−0·2**	**0**		**57**	
LONDON	Tottenham	55	29·866	—	36·6	44·0	40·3	+0·7	16	30th	53	13th
	Camden Square	123	29·808	—	36·4	44·2	40·3	+0·8	14	30th	53	13th
	Westminster	54	29·865	−·021	37·3	44·7	41·0	+1·3	18	31st	54	13th
	Greenwich	159	29·763 / 29·754	— / −·031	35·3	43·5	39·4 / 39·9	−0·2 / 0·0	12	30th	54	13th
	Norwood	235	29·709	—	35·0	43·8	39·4	+0·2	14	30th	54	13th
¶ §	Kew	34	29·906 / 29·898	−·021 / −·021	36·3	44·1	40·2 / 40·7	+0·9 / +1·1	15	30th	53	10th
	Bunhill Row		—	—	—	—	—	—	—	—	—	—
¶	Laudale	25	29·670	—	36·9	46·6	41·8	+1·1	24	29th	54	21st, 22nd
¶	Poltalloch	135	29·589	—	36·7	45·3	41·0	+1·5	23	29th	53	20th
¶ §	Glasgow	184	29·556	—	36·2	44·2	40·2	+1·4	22	29th	52	22nd
SCOTLAND, W. ¶	Rothesay	76	29·669	—	37·2	45·7	41·5	+1·5	26	29th	53	20th
¶	*Colmonell*	140	—	—	35·1	44·6	39·9	−0·3	25	30th	52	6th, 20th
6. ¶	Dumfries	60	29·749	—	34·5	43·8	39·2	+0·7	23	30th	51	5, 8, 22nd
¶	Cally (Gatehouse)	120	—	—	34·8	44·7	39·8	+1·1	25	30th	51	19th
ISLE OF MAN ¶ §	Douglas	284	29·499	—	38·7	46·3	42·5	+0·7	28	29th	52	20th
	District Value				**36·0**	**45·2**	**40·8**	**+0·3**	**19**		**56**	
	Southport	42	29·810	—	35·9	43·9	39·9	+0·6	16	30th	51	21st
	Manchester (City)	195	29·656	—	37·2	44·4	40·8	—	21	30th	55	15th
	„ (Whitworth P'k)	127	29·721	—	36·3	43·9	40·1	—	21	30th	53	21st
¶ §	Aspatria	254	29·525	—	34·0	44·0	39·0	+1·0	22	29th	52	21st
ENGLAND, N.W. ¶ §	Newton Rigg	559	29·191	—	31·2	41·4	36·3	−0·6	19	29th	51	8th
¶ §	Stonyhurst	363	29·454	—	34·3	42·5	38·4	+0·1	16	30th	50	22nd
7. ¶ §	Blackpool	73	29·763	—	35·9	43·9	39·9	+0·4	17	30th	51	5th, 22nd
	Darwen	710	29·061	—	32·6	41·6	37·1	—	15	30th	49	8th
¶	M'nch't'r (Prestwich)	320	29·501	—	34·9	43·3	39·1	+0·7	16	30th	52	21st
¶	Liverp'l, Bidston Obs.	197	29·624	—	36·5	44·2	40·4	+0·2	19	30th	53	20th
¶ §	Llandudno	21	29·810	—	38·4	47·0	42·7	+0·4	24	29th	54	21st
NORTH WALES ¶	Holyhead	48	29·741	−·069	39·9	47·6	43·8	+0·7	27	29th	52	4, 8, 20th
¶ §	Bettws-y-Coed	100	29·710	—	36·2	46 3	41·3	−1·0	25	26th, 30th	54	19th, 20th
	District Value				**35·7**	**44·6**	**40·4**	**0·0**	**12**		**56**	
SOUTH WALES ¶ §	*Llangammarch Wells*	585	29·260	—	34·9	44·8	39·9	−0·2	15	30th	51	19th, 20th
¶ §	Pembroke	150	29·658	−·078	42·0	50·2	46·1	+1·9	32	28, 29, 30th	54	5th, 10th
8. ¶	*Clifton*	229	—	—	38·3	46·4	42·4	+1·8	19	30th	53	21st
¶	Portland Bill	23	29·862	−·072	43·3	49·7	46·5	+3·1	24	30th	54	10, 13, 21st
¶ §	Plymouth	116	29·774	—	41·6	50·1	45·9	+2·7	29	30th	55	4th
ENGLAND, S.W. ¶ §	Falmouth	183	29·706 / 29·697	−·050 / −·051	44·0	50·9	47·5 / 47·7	+2·8 / +2·7	35	28th	54	4, 10, 31st
	Woolacombe	79	29·770	—	41·6	48·4	45·0	+0·5	28	28th	54	10th
	Rousdon	516	29·342	—	38·0	46·7	42·4	—	19	30th	53	10th
	Whitchurch	595	29·243	—	38·5	46·8	42·7	—	26	28th	53	4th
	District Value				**39·2**	**47·6**	**43·6**	**+1·3**	**15**		**56**	
9. IRELAND, N.	Malin Head	230	29·395	−·094	38·5	47·0	42·8	+0·9	29	29th	52	21st, 22nd
Western Part. ¶	Blacksod Point	41	29·634	−·121	40·9	49·8	45·4	+2·1	35	12, 15, 28th?	54	5th, 22nd
¶ §	Markree Castle	127	29·586	—	35·3	47·5	41·4	+1·8	24	27th	54	22nd
Eastern Part. ¶	Donaghadee	40	29·713	−·063	36·4	47·1	41·8	+0·3	27	28th	53	20th
¶ §	Armagh	202	29·520	—	36·8	46·7	41·8	+2·7	27	16th	54	20th
	Belfast	55	29·716	—	35·3	46·5	40·9	—	30	15th	53	21st
10. IRELAND, S.	District Value				**37·6**	**47·6**	**42·8**	**+1·7**	**24**		**54**	
§	Dublin (Phœnix P'k)	159	29·640	—	35·8	48·2	42·0	+1·8	25	16th	57	21st
Eastern Part.	„ (Trinity Coll'ge)	17	29·766	—	39·0	49·5	44·3	—	27	16th	59	21st
¶	„ (City)	53	29·726	—	38·9	48·4	43·7	+1·7	28	16th	57	21st
¶	*Waterford*	100	—	—	38·2	49·8	44·0	+2·4	30	17th	55	20th
¶ §	Birr Castle	173	29·562	—	36·7	48·5	42·6	+2·6	30	12th	54	21st
¶	*Killarney*	174	—	—	40·5	51·0	45·8	+2·4	32	12th	58	20th
Western Part. ¶ §	Valencia	62	29·732 / 29·726	−·116 / −·118	43·6	50·8	47·2 / 47·9	+1·8 / +2·4	36	16th	55	1st
¶	Roche's Point	42	29·760	−·084	42·2	51·0	46·6	+2·3	35	28th	55	19th, 20th
11. ENGLISH CHANNEL	District Value				**39·0**	**49·6**	**44·5**	**+1·6**	**24**		**59**	
¶ §	Scilly	20	29·838	−·071	47·0	52·1	49·6	+2·4	43	28th	55	10th, 31st
¶ §	Jersey	36	29·902	−·044	40·5	49·3	44·9	+0·7	27	29th	57	13th
	Guernsey (Brooklyn)	311	29·606	—	42·2	49·6	45·9	+1·1	29	29th	55	13th
	District Value				**43·3**	**50·3**	**46·9**	**+0·3**	**27**		**57**	

HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*

Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.
°	°	°	°	In.	In.	%	%
38·6	38·1	0·6	0·7	·222	·215	95	94
39·8	39·2	0·6	0·6	·232	·228	96	95
40·1	40·6	1·2	1·5	·223	·221	90	88
41·6	—	1·4	—	·233	—	90	—
42·3	41·6	1·3	1·1	·251	·249	91	91
41·9	—	1·2	—	·241	—	92	—
41·7	42·5	1·3	1·5	·237	·239	90	88
40·7	40·5	1·2	1·0	·229	·231	90	92
41·2	40·5	0·9	1·0	·250	·238	93	92
43·6	—	1·5	—	·250	—	88	—
40·0	40·6	0·8	1·0	·236	·240	91	91
40·2	41·0	1·0	1·1	·228	·233	91	90
40·4	41·8	1·3	1·6	·224	·231	90	88
39·3	39·2	1·0	1·1	·221	·218	92	91
39·1	39·1	1·1	1·0	·217	·218	91	92
40·1	40·3	1·7	1·6	·214	·217	86	88
—	—	—	—	—	—	—	—
42·9	42·8	1·6	1·6	·248	·247	88	88
40·9	40·5	2·1	1·9	·213	·213	84	85
39·5	40·6	1·2	1·4	·222	·230	89	88
41·2	41·5	1·5	1·1	·227	·239	89	91
—	—	—	—	—	—	—	—
38·7	39·4	0·8	1·3	·220	·216	94	90
40·1	39·1	1·9	1·8	·210	·204	85	85
42·4	42·8	0·8	0·9	·259	·261	93	93
39·3	40·2	1·0	1·4	·221	·220	92	89
40·3	40·9	1·2	1·4	·231	·232	89	89
39·0	39·9	0·9	1·3	·220	·220	90	87
39·2	39·3	1·0	1·1	·226	·225	92	90
35·8	36·7	0·4	0·6	·202	·206	97	95
37·8	38·6	1·1	1·2	·210	·213	88	87
39·7	40·0	0·7	0·9	·230	·228	94	93
38·1	37·7	0·9	0·8	·217	·215	92	92
38·6	39·6	0·7	0·9	·221	·225	95	93
39·8	40·4	1·2	1·5	·221	·220	91	88
43·1	43·2	1·9	1·9	·237	·238	85	85
44·3	44·9	1·1	1·4	·266	·266	92	90
40·4	40·6	0·8	0·8	·235	·236	94	93
39·7	—	0·6	—	·232	—	95	—
46·5	46·7	2·0	2·1	·270	·270	86	85
—	—	—	—	—	—	—	—
46·6	47·0	1·4	1·9	·285	·277	90	87
45·6	46·4	1·2	1·7	·284	·281	91	89
47·7	47·0	2·3	2·2	·276	·271	84	85
45·3	44·7	1·7	1·8	·263	·255	87	86
42·4	42·4	1·0	1·1	·249	·247	92	91
42·5	42·2	0·6	0·6	·259	·256	95	95
42·5	43·5	0·2	0·2	·268	·278	98	98
46·1	46·5	2·0	2·5	·266	·259	86	82
42·1	42·2	1·3	1·1	·244	·250	90	91
42·5	43·3	1·3	1·2	·242	·254	90	91
41·2	41·3	1·2	1·3	·239	·238	90	89
40·7	39·9	0·9	0·5	·238	·236	92	95
41·3	42·2	1·5	1·5	·234	·243	88	88
43·3	44·2	1·7	2·0	·249	·251	88	85
42·6	43·6	1·5	1·7	·245	·249	89	87
—	—	—	—	—	—	—	—
42·4	42·8	1·0	1·2	·256	·254	92	91
—	—	—	—	—	—	—	—
47·2	48·2	1·7	1·7	·285	·295	89	89
46·2	47·2	1·0	1·3	·290	·294	93	91
49·1	49·2	1·9	1·8	·302	·306	86	88
43·9	45·3	1·0	1·7	·265	·263	92	87
45·5	45·8	2·1	2·5	·262	·258	84	81

EARTH TEMPERATURE.

At 1 foot depth.	At 4 feet depth.
°	°
—	—
44·0	—
44·3	49·0
—	48·0
45·0	49·2
44·8	49·5
—	—
43·7	48·5
—	—
—	—
43·7	**48·2**
—	48·5
42·6	47·5
—	—
—	47·4
42·8	—
42·7	47·7
—	—
—	—
—	—
—	—
—	45·9
—	—
—	—
—	—
40·7	45·0
41·1	46·7
—	—
40·0	44·0
—	—
42·1	47·0
40·5	45·1
—	—
—	—
—	—
—	—
41·1	**45·7**
43·9	48·1
—	—
—	—
—	—
—	—
46·3	—
—	—
—	—
—	—
45·4	48·6
44·6	—
45·0	**48·3**
—	—
—	—
—	—
—	—
—	—
43·4	47·1
—	—
—	—
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—	—
42·4	46·7
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46·7	50·9

For notes see p. cxix.

AT TELEGRAPHIC REPORTING STATIONS, and at 9 a.m. and 9 p.m. at NORMAL CLIMATOLOGICAL during the Month of DECEMBER, 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.			WEATHER. No. of Days of										WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount.		Total Fall.	Diff. from Av.	Most in a Day.																					
				a.m.	p.m.			Amount	Day.	Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Wind-force 8 and above.	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
16	—	7	—	7·8	6·8	2·17	+0·01	0·32	? 14th	18	2	1	0	3	18	0	—	0	2	23	0	0	6	8	11	9	3	2	Reading.
—	—	—	—	8·3	8·4	4·14	+0·82	0·62	29th	25	2	0	0	1	21	12	12	1	7	2	1	5	6	16	8	12	1	11	Salisbury.
26	—	11	—	9·3	7·1	3·04	—	0·65	29th	15	3	1	0	1	22	1	5	0	15	0	4	5	7	5	12	17	5	7	Dover.
49	0	20	0	7·4	—	3·34	+0·73	0·58	29th	17	1	1	0	6	20	1	7	0	8	2	6	14	4	6	14	6	0	10	Brighton.
41	−12	17	− 5	8·7	6·5	3·17	−0·01	0·53	10th	17	2	0	0	2	19	1	—	1	13	3	3	10	2	8	7	21	4	4	Eastbourne.
43	—	18	—	8·0	—	3·48	+0·93	0·57	29th	21	2	0	0	4	21	4	? 6	0	22	0	4	4	10	12	8	10	6	8	Portsmouth.
—	—	—	—	9·0	7·8	3·84	+1·60	0·95	29th	17	5	0	0	0	18	5	—	1	34	0	4	5	8	7	14	14	3	7	Dungeness.
41	−15	17	− 6	8·5	6·8	2·44	−0·41	0·45	14th	16	2	2	0	2	18	7	—	2	15	1	4	10	5	6	13	10	7	6	Hastings.
36	−11	15	− 4	8·0	7·0	3·81	+0·76	0·62	9th	21	3	0	0	3	16	9	12	0	14	2	0	21	0	14	0	15	1	9	Southampton.
52	+ 4	21	+ 1	7·9	—	3·80	+0·95	0·50	14th	22	3	0	0	2	10	0	—	0	10	11	3	9	5	6	6	9	9	4	Ventnor.
34	**−11**	**14**	**− 5**	**8·3**	**7·3**	**2·96**	**+0·40**	**0·95**	**19**																				
19	—	8	—	9·3	8·8	1·74	—	0·35	29th	13	3	0	0	0	25	3	5	0	5	7	2	4	7	6	10	18	3	5	Tottenham.
14	—	6	—	8·9	—	1·89	−0·16	0·38	29th	16	2	0	0	0	25	4	10	—	—	2	0	6	4	12	14	6	8	10	Camden Square.
13	0	5	0	7·8	7·7	1·64	−0·34	0·35	14th	15	2	0	0	1	19	2	7	0	8	6	1	4	8	6	15	16	3	3	Westminster.
22	−11	9	− 4	8·6	8·3	2·00	+0·17	0·32	29th	15	2	0	0	1	22	7	12	0	5	6	2	2	5	8	9	19	9	2	Greenwich.
—	—	—	—	8·7	8·4	2·12	+0·15	0·36	29th	17	2	0	0	1	24	11	9	0	3	11	0	6	4	7	21	8	2	3	Norwood.
23	−13	10	− 5	8·5	8·2	2·08	+0·16	0·51	14th	17	2	0	0	1	21	1	12	0	10	8	2	6	4	7	19	7	5	4	Kew.
7	0	3	0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	8·1	7·2	9·71	+0·23	1·56	5th	25	4	2	0	1	14	0	—	2	35	3	3	1	0	13	23	1	16	2	Laudale.
—	—	—	—	8·9	8·1	7·25	+1·73	0·84	14th	24	5	0	0	0	22	0	—	2	22	9	4	3	1	9	6	17	10	3	Poltalloch.
15	0	7	0	8·5	7·7	3·03	−0·96	0·64	5th	22	2	0	0	0	19	0	11	0	5	15	0	1	7	9	7	16	4	3	Glasgow.
—	—	—	—	7·4	6·8	7·13	+2·24	1·05	5th	24	4	1	0	3	16	10	—	1	10	7	3	1	13	2	11	10	15	0	Rothesay.
—	—	—	—	—	—	5·35	+0·45	0·78	15th	21	3	0	1	—	—	0	—	6	10	0	0	0	14	14	6	16	6	6	Colmonell.
—	—	—	—	8·1	6·5	3·21	−0·93	0·48	5th	25	3	1	0	2	18	2	17	1	3	1	0	0	5	13	16	3	12	5	7	Dumfries.
—	—	—	—	—	—	6·10	+0 87	0·52	5th	25	4	2	0	—	—	2	—	1	12	0	3	8	8	17	0	12	3	11	Cally.
28	−13	13	− 5	7·9	7·8	4·96	+0·37	0·88	14th	24	2	4	0	1	18	6	8	5	30	0	0	1	12	11	10	10	13	5	Douglas.
22	**− 8**	**10**	**− 4**	**8·2**	**7·4**	**5·62**	**+0·26**	**1·61**	**23**																				
25	− 4	11	− 2	8·4	7·8	2·49	−0·49	0·28	5th	24	2	1	0	0	19	10	10	2	27	0	1	1	4	27	16	7	3	3	Southport.
8	—	4	—	—	—	2·73	−0·45	0·42	8th	19	3	0	0	—	—	4	8	0	2	1	2	2	10	25	13	6	2	1	Manchester (City).
13	—	6	—	8·2	8·0	2·32	—	0·39	8th	19	2	0	0	1	19	4	20	0	6	9	1	0	6	17	23	3	1	2	„ (Whitworth P'k).
44	—	20	—	7·6	7·0	3·03	−0·78	0·68	5th	24	3	0	0	1	17	4	14	1	10	13	1	2	6	4	15	13	4	4	Aspatria.
35	+ 2	16	+ 1	7·5	7·0	2·37	−1·35	0·57	8th	24	4	0	0	2	14	6	25	2	21	3	0	1	10	17	17	7	5	2	Newton Rigg.
23	− 3	10	− 1	8·1	6·8	3·67	−0·76	0·59	31st	22	2	4	0	2	17	4	?17	0	8	28	1	0	5	4	9	8	4	3	Stonyhurst.
30	+ 3	13	+ 1	8·5	8·3	2·48	−0·52	0·32	5th	22	3	2	0	1	21	4	9	1	18	0	1	0	9	23	14	7	4	4	Blackpool.
25	—	11	—	8·4	8·2	3·87	—	0·57	9th	23	2	2	0	1	19	4	18	0	17	0	0	0	0	17	34	5	3	3	Darwen.
14	− 2	6	− 1	9·0	7·5	2·68	−0·74	0·29	30th	22	3	0	0	0	20	4	12	1	8	15	2	0	7	4	26	0	8	0	Manchester (Prestwich).
40	—	18	—	7·7	8·5	1·83	−0·63	0·40	29th	18	2	2	0	0	18	5	—	1	16	0	0	0	16	24	9	7	4	2	Liverpool, Bidston Obs.
50	+13	22	+ 6	7·6	9·4	2·28	−0·59	0·71	8th	21	4	1	0	0	23	0	—	0	0	3	1	1	3	6	8	20	18	2	Llandudno.
—	—	—	—	7·4	7·6	5·38	+1·58	0·69	8th	24	3	2	1	2	17	2	—	4	20	4	1	0	2	4	17	17	10	7	Holyhead.
30	—	13	—	6·4	6·4	4·48	—	0·70	9th	25	5	4	0	3	6	0	10	2	9	2	1	0	4	5	2	20	19	9	Bettws-y-Coed.
36	**+ 4**	**16**	**+ 2**	**7·9**	**7·7**	**2·95**	**−0·41**	**0·96**	**22**																				
19	—	8	—	9·2	—	4·67	—	0·90	15th	25	4	2	1	0	25	7	20	0	6	20	0	2	4	4	6	4	16	6	Llangammarch Wells.
41	− 1	17	− 1	8·2	8·0	6·10	+2·07	2·08	15th	27	4	4	0	0	17	4	—	4	45	0	0	4	11	7	13	12	9	6	Pembroke.
30	—	13	—	—	—	2·40	−0·86	0·42	9th	19	—	—	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	7·9	7·4	2·76	—	0·44	10th	23	2	0	0	0	17	2	—	4	31	0	4	4	12	9	6	9	10	8	Portland Bill.
41	− 9	17	− 3	8·8	8·1	4·65	+0·50	0·61	10th	24	2	0	0	0	19	1	?	2	27	10	2	7	8	7	6	13	4	5	Plymouth.
50	− 5	20	− 3	7·5	7·5	6·11	+0·35	1·63	28th	25	0	4	1	0	15	0	—	0	18	5	3	1	1	14	12	12	7	7	Falmouth.
47	− 4	20	− 1	7·3	7·5	4·35	+0·90	0·60	26th	25	4	2	0	2	15	0	—	—	24	1	0	1	14	22	2	7	10	5	Woolacombe.
51	—	21	—	7·9	7·3	3·80	—	0·62	10th	22	4	1	0	2	18	6	7	0	7	1	3	2	15	4	7	5	15	10	Rousdon.
—	—	—	—	7·7	8·0	6·30	—	0·64	10th	26	4	6	2	1	17	7	4	—	15	2	4	2	4	19	12	11	4	4	Whitchurch.
38	**− 8**	**16**	**− 3**	**8·1**	**7·7**	**4·34**	**−0·15**	**2·08**	**24**																				
—	—	—	—	7·5	8·2	2·75	−0·46	0·29	10th	24	2	4	0	0	12	0	—	5	36	1	2	0	1	6	29	17	3	3	Malin Head.
—	—	—	—	6·8	7·6	7·69	+1·88	1·06	21st	28	0	4	0	0	10	0	—	2	40	0	2	0	3	10	12	20	13	2	Blacksod Point.
31	− 3	14	− 1	7·8	7·7	4·98	+0·68	0·95	28th	24	1	6	2	1	15	4	18	0	10	18	1	0	0	21	15	4	0	3	Markree Castle.
—	—	—	—	7·2	8·1	3·37	+0·41	0·50	23th	23	1	0	0	0	17	2	—	3	12	1	3	3	8	8	12	16	9	2	Donaghadee.
36	− 2	16	− 1	8·1	8·6	2·76	−0·04	1·22	28th	20	1	0	0	2	23	4	8	0	7	13	0	0	3	10	19	15	0	2	Armagh.
—	—	—	—	—	—	4·25	+1·10	0·96	28th	25	2	0	0	—	—	2	—	0	4	26	4	2	0	1	6	9	7	7	Belfast.
34	**− 4**	**15**	**− 2**	**7·5**	**8·0**	**4·31**	**+0·51**	**1·22**	**24**																				
37	−15	16	− 7	6·9	6·1	1·79	−0·56	0·35	22nd	19	1	1	0	5	12	4	20	0	6	19	0	0	2	9	3	20	9	0	Dublin (Phœnix Park).
21	—	9	—	7·6	6·0	1·53	—	0·58	28th	13	0	0	0	3	13	7	12	1	3	19	0	0	4	8	2	9	11	9	„ (Trinity College)
—	—	—	—	6·7	6·3	1·74	−0·51	0·74	28th	19	1	2	0	5	11	8	6	2	9	7	1	0	2	9	9	14	15	5	„ (City).
—	—	—	—	—	—	4·87	+0·53	1·52	28th	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
38	− 6	16	− 3	7·5	9·3	3·18	+0·11	0·88	28th	26	0	0	0	0	20	2	—	0	5	6	0	0	0	8	27	12	8	1	Birr Castle.
—	—	—	—	—	—	5·36	−1·79	0·46	10th	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
33	− 8	14	− 3	8·5	8·4	8·05	+1·84	0·77	21st	28	0	5	0	0	22	1	—	1	31	3	3	1	4	9	18	13	5	6	Valencia.
—	—	—	—	6·5	6·8	4·16	−1·16	0·62	28th	28	0	0	0	2	13	3	—	2	22	2	3	2	3	3	10	13	18	8	Roche's Point.
37	**−10**	**16**	**− 4**	**7·3**	**7·2**	**4·51**	**−0·02**	**1·52**	**26**																				
52	− 6	21	− 2	8·5	9·1	5·26	+1·05	0·83	15th	25	0	0	0	0	24	2	—	1	39	0	4	0	6	8	9	12	14	9	Scilly.
61	− 1	24	− 1	7·9	8·2	4·57	+0·73	0·57	17th	23	4	4	0	1	18	8	—	3	27	0	0	2	11	13	9	8	9	10	Jersey.
50	+ 4	20	+ 1	7·3	6·0	4·08	−0·38	0·51	9th	23	3	1	1	0	10	6	2	5	18	2	1	1	3	20	10	8	6	11	Guernsey (Brooklyn).
36	**− 1**	**23**	**0**	**7·9**	**7·8**	**4·50**	**+0·63**	**0·83**	**23**																				

The sunshine entered to Portsmouth is registered at Southsea.

TABLE XXIV.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, DECEMBER, 1908.

DISTRICT.		STATION.		Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	
				Ft.	Min. °	Max. °	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	
0. SCOTLAND, N.	–	Balta Sound	S	31	37·6	45·3	41·5	—	23	27th, 28th	51	8th	—	—	—	30	5·18	—	0·77	22nd	16	—	9	—
1. SCOTLAND, E.	§	Crathes	S	140	32·5	43·8	38·2	—	22	30th	53	20th	39·6	42·8	17	14	3·06	—	0·97	26th	24	—	12	—
	§	Stonehaven	– – –		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	13	—
	§	Balruddery	S	276	32·4	43·5	38·0	—	16	28th	52	20th	—	—	—	22	1·49	—	0·25	5th	35	—	17	—
	¶	Edinburgh	– – –	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	28	+ 7	13	+ 3
		West Linton	S	800	29·6	41·1	35·4	− 0·9	16	30th	49	20th, 21st	—	—	23	20	1·25	—	0·28	7th	38	—	18	—
2. ENGLAND, N.E.	¶	Alnwick Castle	– –	210	31·4	45·1	38·3	0·0	14	30th, 31st	54	7th, 20th	—	—	—	15	2·26	−0·76	0·58	11th	—	—	—	—
		Newcastle-on-Tyne	– –	152	34·7	43·2	39·0	—	19	30th	53	8th, 20th	—	—	—	23	1·01	−1·50	0·27	10th	4	− 20	2	− 9
		Ampleforth	– –	349	32·2	40·0	36·1	—	17	30th	47	21st, 22nd	—	—	—	16	1·85	—	0·63	10th	—	—	—	—
		Tealby	– – –	251	33·6	41·6	37·6	+ 0·2	13	30th	49	21st	—	—	—	17	1·89	−0·19	0·32	15th	—	—	—	—
	¶	Fulbeck	– – –	180	33·7	42·4	38·1	+ 0·9	13	31st	52	21st	—	—	—	22	1·37	−0·49	0·20	15th	—	—	—	—
	§	Rauceby	– – –	124	33·1	42·8	38·0	—	11	30th	52	5th	41·3	46·9	12	20	1·24	−0·79	0·23	9th	23	—	10	—
3. ENGLAND, E.		Felixstowe	– – –	10	36·2	43·2	39·7	+ 0·6	19	31st	51	16th	—	—	—	15	1·67	—	0·48	14th	25	—	11	—
	¶ §	Rothamsted	– – –	424	33·2	43·0	38·1	+ 0·1	8	31st	52	10th	—	—	—	23	1·97	−0·41	0·29	9th	30	− 12	13	− 5
		Shoeburyness	– – –	13	35·8	43·2	39·5	− 0·1	12	31st	52	10th	—	—	—	17	2·07	+0·43	0·68	29th	—	—	—	—
		Southend-on-Sea	– –	100	36·1	43·4	39·8	—	18	30th	51	13, 15, 16th	42·8	—	13	12	1·86	+0·25	0·45	29th	32	—	13	—
4. MIDLAND COUNTIES	¶ §	Harrogate	– – –	476	32·1	41·3	36·7	− 0·7	14	30th	50	20th	40·9	43·2	15	24	1·46	−1·02	0·37	10th	23	—	10	—
		Bradford	– – –	830	32·0	42·4	37·2	—	15	30th	51	21st	39·9	46·7	?	21	2·31	—	0·57	10th	10	—	4	—
	¶	Cheadle	– – – M	646	33·0	42·7	37·9	+ 0·8	11	30th	51	22nd	—	—	19	22	2·88		0·49	15th	—	—	—	—
	¶	Bawtry	– – –	65	31·9	42·7	37·3	− 0·5	5	30th	50	8, 20, 22nd	—	—	—	13	1·17	−0·75	0·45	15th	—	—	—	—
	§	Worksop	– – – M	56	32·1	43·2	37·7	0·0	7	30th	53	20th	41·0	45·0	18	16	1·36	−0·80	0·51	15th	14	− 16	6	− 7
		Kingston-on Soar	– –	125	32·3	43·4	37·9	—	5	30th	52	21st	44·3	—	—	18	1·36	—	0·26	15th	—	—	—	—
		Rugby	– – –	379	31·0	43·3	37·2	− 0·3	15	27th	52	13th	—	—	20	21	2·56	—	0·80	29th	—	—	—	—
	¶	Raunds	– – – M	210	31·9	43·3	37·6	− 0·1	3	30th	52	13th	—	—	14	19	1·51	—	0·38	29th	—	—	—	—
		Winslow	– – –	379	33·5	42·8	38·2	—	7	30th	50	21st	—	—	—	20	1·88	—	0·36	29th	—	—	—	—
	¶	Hereford	– – – M	291	35·7	44·8	40·3	+ 1·5	20	28th	53	13th	—	—	15	24	2·56	+0·17	0·32	8th	—	—	—	—
	¶ §	Cirencester	– – –	446	33·0	43·3	38·2	+ 0·4	10	30th	51	21st	—	—	8	21	2·29	−0·39	0·40	30th	21	− 18	9	− 7
		Epsom	– – –	160	34·0	44·8	39·4	—	4	30th	53	13th	—	—	14	22	2·63	—	0·35	8th	—	—	—	—
		Wokingham	– – –	216	32·6	43·6	38·1	—	5	30th	54	13th	—	—	—	17	2·26	—	0·34	14th	—	—	—	—
		Maidenhead	– – –	99	32·7	43·8	38·3	—	0	31st	54	13th	—	—	15	18	1·79	−0·54	0·29	14th	—	—	—	—
	¶ §	Marlborough	– – –	424	32·0	44·2	38·1	0·0	4	30th	53	13th	—	—	16	19	2·23	−0·73	0·35	9th	25	− 10	11	− 4
		Bucklebury	– – –	409	34·0	43·3	38·7	—	12	30th	53	13th	—	—	16	21	2·24	—	0·38	29th	—	—	—	—
	¶	Swarraton	– – – M	310	33·4	43·8	38·6	+ 0·4	3	30th	53	13th	—	—	—	23	3·41	+0·37	0·72	29th	—	—	—	—
	¶ §	Margate	– – –	35	36·8	44·0	40·4	+ 0·1	19	30th	53	13th	43·3	46·5	4	14	2·37	+0·16	0·58	6th	25	− 21	11	− 8
		Broadstairs	– – –	140	—	—	—	—	—	—	—	—	—	—	—	15	3·01	—	0·65	6th	27	—	11	—
		Ramsgate	– – –	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	—	14	—
	¶ §	Wisley	– – –	150	35·6	44·2	39·9	+ 0·4	8	30th	54	13th	42·8	47·5	9	17	2·23	—	0·36	14th, 29th	33	—	14	—
5. ENGLAND, S.E.	¶ §	Tunbridge Wells	– M	421	34·3	42·5	38·4	0·0	15	30th	52	13th	42·4	—	14	22	3·42	+0·60	0·48	10th	27	− 15	11	− 7
		Folkestone	– – –	121	36·2	44·2	40·2	—	19	29th	52	10th	—	48·0	—	16	2·19	−0·58	0·47	6th	32	—	13	—
	§	Littlestone	– – –	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	27	—	11	—
		Bexhill	– – –	27	38·1	45·8	42·0	—	20	30th	54 ?	1st ?	45·9	—	12	14	2·62	—	0·67	29th	42	—	17	—
		Hove	– – –		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	53	—	22	—
		Lewes	– – –	58	34·7	44·7	39·7	—	9	30th, 31st	53	10th, 13th	—	—	—	24	3·81	—	0·58	13th	—	—	—	—
	§	Worthing	– – –	36	37·1	45·9	41·5	+ 1·3	16	30th	53	10th	43·5	48·8	9	18	3·21	+0·79	0·47	29th	50	—	21	—
		Bognor	– – –	20	37·8	46·6	42·2	—	17	30th	54	10th	—	50·3	7	22	3·55	—	0·76	13th	57	—	24	—
		Westbourne	– – –	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	45	—	19	—
		Totland Bay	– – –	140	38·4	47·2	42·8	+ 1·4	16	30th	54	13th	—	—	5	21	3·52	+0·96	0·53	14th	58	—	24	—
		Sandown	– – –	—	39·2	49·1	44·2	—	20	30th	57	13th	—	—	—	21	4·01	—	0·85	14th	47	—	19	—
		Bournemouth	– – –	145	37·4	47·0	42·2	—	16	30th	55	10th	44·2	47·4	—	19	3·73	—	0·53	9th	51	—	21	—
6. SCOTLAND, W.		Oban	– – – –	20	36·9	46·9	41·9	—	24	29th	56	21st	—	—	9	22	6·67	—	1·61	5th	17	—	8	—
	¶	Thorntonhall (Lanarkshire)		440	32·2	42·9	37·6	—	19	28th	51	21st, 22nd	—	—	16	23	4·02	—	0·98	5th	29	—	14	—
		Kilmarnock	– – –	90	34·1	45·2	39·7	+ 0·5	23	29th	52	1st	—	—	—	21	3·86	—	0·96	5th	32	—	15	—
		Carnforth	– – –	174	—	43·3	—	—	18	30th	51	22nd	—	—	16	21	2·95	—	0·59	8th	25	—	11	—
		Lancaster	– – –	311	34·8	44·2	39·5	- -	20	29th, 30th	51	21st	—	—	18	22	3·26	—	0·50	8th	25	—	11	—
	§	Burnley	– – –	459	33·1	42·3	37·7	—	12	30th	51	20th	39·7	45·0	20	19	2·73	—	0·50	10th	17	—	7	—
7. ENGLAND, N.W.		Hoylake	– – –	30?	36·0	45·4	40·7	—	18	30th	54	8, 20, 21st	—	—	10	21	1·57	—	0·19	15th	29	—	13	—
		Rhyl	– – –	30	36·0	47·1	41·6	—	22	29th, 30th	56	20th	—	—	6	19	1·37	−0·99	0·34	8th	50	—	22	—
	¶	Colwyn Bay	– – –	65	38·3	47·0	42·7	—	25	29th, 30th	56	20th	—	—	—	19	2·15	—	0·41	8th	53	—	23	—
		Hawarden Bridge	– –	22	35·9	45·4	40·7	− 0·2	21	30th	56	20th	—	—	—	19	1·31	−0·79	0·22	15th	—	—	—	—
	§	Towyn	– – –	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Aberdovey	– – –	22	40·6	46·9	43·8	—	25	29th	54	1st	—	—	—	25	4·46	—	0·96	8th	43	—	18	—
		Aberystwyth	– – –	59	40·3	48·4	44·4	—	25	28th	54	21st	—	—	—	—	—	—	—	—	39	—	17	—
		Haverfordwest	– – –	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	43	—	18	—
		Tenby	– – –	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44	− 1	19	0
		Port Talbot	– – –	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	36	—	15	—
8. ENGLAND, S.W.		Forest of Dean	– – –	200	—	—	—	—	—	—	—	—	—	—	—	18	3·00	—	0·54	9th	—	—	—	—
		" "		900	—	—	—	—	—	—	—	—	—	—	—	21	3·19	—	0·48	15th	—	—	—	—
	¶	Cardiff	– – – –	50	37·1	45·4	41·3	+ 0·5	19	30th	53	10th, 21st	43·6	48·1	7	24	3·97	−0·57	0·71	9th	37	—	16	—
		Swansea	– – – –	24	39·5	47·9	43·7	—	27	30th	54	10th	—	—	15	28	6·37	—	0·90	8th	—	—	—	—
	¶	Shaftesbury	– – M	722	36·1	44·1	40·1	+ 1·6	17	30th	51	10th	42·8	—	—	21	2·60	−0·59	0·70	10th	—	—	—	—
	¶	Arlington	– – –	613	37·3	46·5	41·9	+ 1·6	24	29th, 30th	52	10th	—	—	—	26	6·11	+0·01	1·03	30th	—	—	—	—

TABLE XXIV (*continued*).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS, DECEMBER, 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Day.	Max.	Day.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Day.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	°	°	°	°	°								Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
8. ENGLAND, S.W.—(*continued*)	¶ § Cullompton – – 𝔐	202	37·3	47·7	42·5	+ 3·0	24	30th	54	10th, 13th	—	—	7	25	4·00	+0·23	0·88	10th	27	− 11	11	− 4
	¶ Torquay – – – –	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48	− 5	20	− 2
	Weymouth – – –	21	40·5	49·7	45·1	—	19	30th	56	13, 17, 21st	—	—	—	21	3·09	—	0·64	10th	51	—	21	—
	§ Newquay – – –	100	43·8	51·1	47·5	+ 2·4	33	28th	54	1, 9, 31st	48·5	—	—	24	3·04	−1·16	0·62	28th	51	+ 2	21	+ 1
	Salcombe – – –	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44	—	18	—
	Penzance – – –	54	44·8	52·4	48·6	—	36	28th	56	31st	—	—	—	25	6·87	—	1·91	28th	60	—	24	—
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.	Dublin (Glasnevin) – –	67	36·5	48·5	42·5	+ 2·0	25	16th	57	21st	—	—	23	18	1·80	−0·49	0·40	28th	—	—	—	—
	Kingstown – – –	—	39·4	49·9	44·7	—	28	16th	57	4th	—	—	—	21	2·43	—	1·19	28th	54	—	24	—
	Clongowes Wood College –	245	33·7	47·3	40·5	—	24	16th	54	21st	—	—	19?	23	2·09	—	0·39	28th	54	—	24	—
	¶ Kilkenny – – – –	212	35·5	48·8	42·2	+ 1·4	28	16th, 17th	56	20th	—	—	—	24	4·30	+1·03	1·48	28th	—	—	—	—
	¶ Cahir – – – 𝔐	199	37·0	48·8	42·9	+ 1·1	28	16th	56	31st	—	—	—	28	4·06	—	0·75	28th	—	—	—	—
	¶ Foynes – – – –	108	38·7	49·3	44·0	+ 1·9	30	29th	55	21st	—	—	—	31	4·87	+0·43	0·62	27th	—	—	—	—
	§ Ballinacurra – – –	34	38·2	50·5	44·4	—	30	9th	57	20th	—	—	—	24	3·69	—	0·42	28th	38	—	16	—
11. ENGLISH CHANNEL	¶ § Guernsey (Villa Carey) –	180	42·5	49·5	46·0	+ 1·2	30	29th	56	5th	—	—	—	21	3·67	−0·79	0·46	9th	55	+ 11	22	+ 4

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for **latitude** has not been applied to the readings quoted in the Tables. It is applied to the readings at sea level from which the chart showing the mean monthly distribution of pressure is prepared. The values given in the tables are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the month which were persistently overcast from midnight to midnight was 2, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815-1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumes of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked 𝔖 is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

63, Victoria Street, London, S.W. January 25th, 1909.

FOR OFFICIAL USE.

MONTHLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

(Supplement to the Weekly Weather Report.)

SUMMARY OF OBSERVATIONS COMPILED FROM THE RETURNS OF OFFICIAL STATIONS AND VOLUNTEER OBSERVERS IN THE UNITED KINGDOM, WITH A CHART OF RAINFALL CONTRIBUTED BY THE BRITISH RAINFALL ORGANISATION.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD EDINBURGH; OR E. PONSONBY, 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. *Vol. XXV. (New Series) Weekly Weather Report.* } No. XIII. ANNUAL SUMMARY, 1908. [*Price 6d. Annual Subscription post paid, 6s. 6d.*

CONSPICUOUS METEOROLOGICAL OCCURRENCES DURING THE YEAR 1908.

Various official reports, daily, weekly and monthly returns, and the notes of numerous rainfall observers have been utilised in preparing the following summary of the most prominent meteorological features of the year 1908:—

1. *Gales.*—The worst storm of the year occurred between February 21st and 24th, during the progress of a very deep cyclonic disturbance which passed from the more northern portion of the Atlantic round by Shetland and down the North Sea to Germany. The wind, at first South-Westerly, afterwards North-Westerly to Northerly, increased to the force of a gale over practically the whole of the British Isles, attaining its greatest violence along the exposed western and northern coasts on the 22nd, when there were numerous records of a "whole gale" (force 10) in Scotland, Ireland and western England; a "storm" (force 11) at Wick, in Caithness, and at Rockabill, the Codling Bank, and the Scarweather, in the western Channels; and a "hurricane" (force 12) at Tarbet Ness, Pentland Skerries, Dunnet Head, Sule Skerry, Kirkwall (H.M.S. *Monarch*), and at Cape Wrath. In many localities the gale was maintained for 60 hours or longer, on the Donegal coast for about 84 hours. Great damage was occasioned on land, but comparatively little at sea. The other gales of the year, even those which affected a great part of the Kingdom, were severe only in a few isolated situations. A tornado-like storm, felt over a very limited area, swept across the Thames Valley, near Hampton Court, late in the evening of June 1st; and on the afternoon of the 4th a similiar one visited north Hertfordshire. Both disturbances occasioned considerable destruction of property. Towards the close of November and December, there were very rough days in some parts of the country, but, speaking generally, the second half of the year, and especially the autumnal portion, was unusually quiet. The anemometrical records from 25 stations disclose the following instances of wind velocities of 50 or more miles in an hour:—

January 7th–8th, Scilly, 55; 28th, 53; 31st, Deerness 51.
February 22nd, Kingstown, 51, Southport, 52, Fleetwood, 55, Deerness, 59; 25th, Roche's Point, 50.
March 5th–6th, Plymouth, 51, Roche's Point, 52, Scilly, 54, Pendennis (Falmouth) 55; 8th, Pendennis, 54; 30th, 50.
August 26th–27th, Pendennis, 55; 31st, Plymouth, 50, Pendennis, 58.
September 1st, Scilly and Pendennis, 56.
November 22nd–23rd, Scilly, 51, Holyhead, 52, Southport, 54, Fleetwood, 56.
December 28th–29th, Deerness, 56; 30th, 54.

In gusts the highest velocities were 79 miles at Aberdeen on January 6th, 81 at Holyhead and Southport on February 22nd, 84 at Scilly on February 28th–29th. (For more detailed records, *see* Appendix III. of the Weekly Weather Report; and for distribution and frequency of winds, *see* Map 1, p. cxxvii.)

Map 2, p. cxxvii., gives the mean paths of the classified low pressure systems which traversed our area within the year. The two very complex paths marked (*a*) were associated with the cold weather and snowfalls at the end of February and the beginning of March; the three marked (*b*) with the exceptionally severe cold and heavy snowstorms of Easter week. The path of the depression associated with the snowstorms of the end of December is not shown separately on the Chart. It is included with five others generalised by a single line (*c*). The centre passed from Scilly to Jersey.

2. *Rainfall.*—In the north-west of England and the north of Ireland there was an excess of precipitation, but in the other districts nearly all stations returned a deficiency. Blacksod Point had an excess of 8·4 ins., Rothesay 7·5 ins., Holyhead 6·4 ins., and Poltalloch 5·7 ins.; but many places lost more than 5ins.—Jersey 9 ins., Glencarron and Killarney 9·2 ins., Balmoral 9·8 ins., Newquay 10·5 ins., Shaftesbury 10·8 ins., Roche's Point 11·3 ins., and Villa Carey (Guernsey), 12·7 ins. The largest totals among the returns communicated to the Office were 80 ins. at Glencarron, 76·3 ins. at Fort William, 74 ins. at Laudale, 57·3 ins. at Blacksod Point, 57 ins. at Poltalloch, 55·7ins. at Rothesay, 52·6 ins. at Stornoway, and 50·4 ins. at Valencia. Totals below 20 ins. were all at stations situated in the eastern half of England, the figures ranging down to 18 ins. at Shoeburyness and Skegness, 17·6 ins. at Cambridge and Clacton-on-Sea, and 16·5 ins. at Spurn Head. The frequency of measurable precipitation varied greatly, from 285 days at Foynes and Stornoway, 281 at Balta Sound, 270 at Cahir, and 265 at Blacksod Point to 146 at Portsmouth and Worthing, 144 in the Forest of Dean (at 900 feet), 137 at Brighton, 133 at Tottenham, 127 at Southend, and only 114 in the Forest of Dean (at 200 feet). Falls of an inch or more in a day were not numerous in any season. Those exceeding 2 ins. were, on January 7th, 2·1 ins. at Heathfield (Sussex); 15th, 2·1 ins. at Caragh Lake (Kerry); 16th, 2·2 ins. at the same place; April 25th, 2·2 ins. (melted snow) at Salisbury, and 2·5 ins. (melted snow) at Bucklebury (Berks); June 3rd, 2·8 ins. at Cheadle; 13th, 2·2 ins. at Kirkby Lonsdale; July 16th, 2 ins. at Arlington and Llandovery; August 20th, 2·1 ins. at Kingstown, and 2·2 ins. at Bray; 31st, 2·3 ins. at Abersychan; September 8th, 3·6 ins. at Ardross Castle; 9th, 2·2 ins. at Sandside (Orkney); 11th. 3·2 ins. at Canterbury (southern suburb); 16th, 2·1 ins. at Graythwaite; October 21st, 4 ins. at Weymouth; December 15th, 2·1 ins. at Pembroke, and 28th, 2·1 ins. at Bray. A few very heavy falls in short periods were registered—On May 3rd, 0·24 in. in 7 minutes, at Camden Square, London; June 1st, 0·27 in. in from 2 to 3 minutes, at Kew; July 4th, 0·29 in. in 8 minutes at the same place; July 13th, 2·7 ins. reported to have fallen in 3½ hours, at Herne Bay; August 22nd, 0·16 in. in 3 minutes, at Epsom; 27th, 0·45 in. in 5 minutes, at Raunds (Northamptonshire); September 11th, 1·5 in. in about 20 minutes, at Canterbury; 24th, 0·38 in. in 6 minutes at Epsom; October 21st, 4 ins. in 5 hours, at Weymouth, and 6·5 ins. in 5 hours, on Portland Breakwater. (*See also* Rainfall Map, p. cxxviii.)

3. *Snowstorms.*—In the earlier months considerable falls of snow were much more frequent than in several previous years. On various occasions in January, February and March, many districts received 2 ins. or more of snow, 8 ins. at Heathfield (Sussex) on January 8th, 11 ins. at Ardross Castle in the three days February 27th to 29th, and a heavy fall at Salisbury on March 3rd yielded 1·3 in. of water. The worst storm of the year, however, occurred nearer Midsummer than Midwinter. Slight snow fell in many localities in the first half of April, but after a very fine interval of a few days leading up to Easter, the weather assumed a most wintry aspect. From the 19th to the 27th snow fell daily in many places, heavily on the 23rd and 24th, culminating in an exceptional storm on the 25th. While the whole Kingdom was affected, the heaviest part of the storm was over southern England, the greatest depth of snow reported, 30 ins., being at Bucklebury, and nearly as much appears to have fallen at Salisbury. The fall seems to have exceeded a foot in the surrounding counties, down to the Isle of Wight. Subsequently until after Christmas Day there was an almost entire absence of records of falls of snow, or even sleet, but in the night of December 26th the conditions changed, and during the four days 27th to 30th snow fell in nearly every part of Britain, in sufficient quantity to cause considerable inconvenience, mainly owing to drifts caused by the accompanying high winds. Here and there the records indicate an accumulation of a foot or more of snow in the four days, but generally the undrifted depth seems to have been less than six inches.

4. *Thunderstorms.*—Electrical disturbances were neither so frequent nor so violent as in most years. There were only a few scattered instances of thunderstorms in the first four months, the worst one accompanying the gale of February 22nd, but during May they were fairly numerous, more so than in any other month of the year. It was, however, a notable feature that as a rule they yielded no great falls of rain or hail, although in some cases the storms were described as severe. In the opening days of June the greater part of England was visited by storms, while Ireland and Scotland were scarcely affected. Locally, more particularly in the Midlands, the outbursts were very severe, and on the 3rd produced a great fall of rain at Cheadle, Staffs. The visitations of the remainder of the year presented no unusual features other than the purely local deluging rain and hail at Canterbury on September 11th, and in the neighbourhood of Weymouth on October 21st.

5. *Droughts.*—Fairly long spells of dry, rainless weather were rather more frequent than usual. From the end of January to the middle of February no rain fell in the Forest of Dean neighbourhood, and in various parts of England only a slight shower was experienced during the period. During the first three weeks of April the weather generally was dry, and in many places there were 12 or more rainless days, ranging upwards to 17 days at Dursley (Glos.) and Stockbridge (Hants), while at Worcester Lodge, Forest of Dean, 0·02 in. of rain fell once in 20 days. The second half of May was rather dry in many parts of southern and eastern England, the dry weather being maintained through June, during which month many stations had rain on less than 10 days, on 3 days only at Brighton, Totland Bay, Bournemouth, Weymouth, and Portland Bill. From the middle of June to the end of the first week of July many places had no rain on 19 successive days, Parkstone (Dorset) 20 days, and Totland Bay 22 days. After a week's interval the longest drought of the year set in. Between July 17th and August 19th many places had 15 or more successive rainless days, ranging up to 30 at Parkstone, 32 at Southampton, Totland Bay, Weymouth, Portland Bill and Guernsey, 33 at Tonbridge, and 34 at Dursley. October was a month of exceptionally small rainfall, more especially in Scotland, where it was from 2 ins. to more than 7 ins. less than the average, and in many parts of the Kingdom the precipitation was more frequently in the form of dew, but there was no actual drought. Several districts in England had rainless weather during the first ten days of November.

Continued on page cxxx.

450. 2/09. Wy. & S. 7681*r*.

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

DISTRICT.	STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Date.	Max.	Date.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity. a.m.	Humidity. p.m.	Earth Temperature. At 1 foot depth	Earth Temperature. At 4 feet depth
		Ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%	°	°
0. SCOTLAND, N.																						
Islands.	¶ Sumburgh Head –	126	29·685	+ ·049	41·1	49·0	45·1	+0·4	22	Dec. 28th	64	July 22, 23	44·7	45·7	1·5	1·8	·267	·270	89	87	—	—
	§ **Deerness** – – –	163	29·673	—	41·9	49·6	45·8	+0·4	24	April 24th	66	Oct. 3rd	46·6	45·2	2·0	1·6	·280	·272	86	88	—	—
	¶ § Stornoway – –	52	29·799	+ ·052	42·3	52·2	47·3	+1·6	25	April 24, 25	75	May 29th	46·5	48·3	1·5	2·2	·287	·290	90	85	—	—
	Castlebay – – –	48	29·802	+ ·054	45·3	52·0	48·7	+1·2	27	April 24th	71	{June 28th, July 3rd}	48·1	49·5	1·8	2·3	·299	·303	88	84	—	—
Mainland.	¶ Wick – – –	80	29·760	+ ·043	40·5	51·7	46·1	+0·6	19	Jan. 3rd	73	July 2nd	45·3	46·4	1·7	2·0	·270	·275	88	86	—	—
	§ **Strathpeffer** – –	210	29·646	—	40·8	53·8	47·3	+2·0	17	Dec. 26th	81	July 2nd	47·3	45·6	2·8	2·3	·270	·262	81	83	—	—
	¶ **Glencarron** – S	504	29·327	—	40·4	52·2	46·3	+1·2	20	April 23, 24, 25	81	July 1st	46·4	45·3	2·7	2·4	·261	·255	81	83	—	—
	¶ § **Fort Augustus** S	73	29·817	—	40·8	52·6	46·7	+0 2	19	Jan. 2nd	79	June 27th	46·7	46·9	2·1	2·2	·277	·278	85	84	—	—
	¶ **Fort William** – S	38	29·861	—	41·7	53·7	47·7	+0·5	20	April 25th	81	July 2nd	47·6	47·0	2·7	2·7	·274	·274	81	83	—	—
	Dunrobin Castle S	16	29·841	—	41·4	52·2	46·8	+0·6	25	{Jan. 2, Feb. 28, Mar. 5, April 23, 24}	75	Aug. 2nd	47·1	46·2	2·5	2·3	·277	·271	83	84	48·8	—
	District Value –				**41·1**	**51·9**	**46·3**	**+0·7**	**17**		**81**											
1. SCOTLAND, E.																						
	¶ § Nairn – – –	82	29·771	+ ·043	39·6	53·5	46·6	+0·4	18	April 24th	77	{Jun. 22, July 2, Aug. 6}	44·8	48·1	2·1	3·1	·257	·271	84	79	—	—
	¶ **Gordon Castle** S	107	29·751	—	40·0	54·4	47·2	+0·5	20	April 24th	78	May 29, Oct. 3	48·8	46·9	3·6	2·6	·268	·270	76	82	—	—
	¶ § **Aberdeen** – –	90	{29·805 29·799}	{+ ·048 + ·047}	42·1	51·6	{46·9 46·8}	{+0·6 +0·9}	22	April 24th	73	{June 3, 25, Oct. 3rd}	47·3	46·1	3·0	2·4	·266	·265	80	83	—	46·5
	Tillypronie – S	1120	28·688	—	37·3	51·6	44·5	+1·3	14	April 24th	81	Oct. 3rd	45·0	42·3	2·5	1·6	·255	·246	82	87	—	—
	¶ *Balmoral* – – S	927	—	—	36·4	51·6	44·0	+0·7	10	{Jan. 5, Mar. 5, April 24th}	81	{June 27th, July 1st}	44·6	—	—	—	—	—	—	—	—	—
	Dundee – – S	164	29·740	—	40·9	53·1	47·0	+0·4	20	Dec. 28, 29	82	June 25th	47·2	45·6	2·0	1·5	·292	·283	87	89	—	—
	¶ **Crieff** – – S	436	29·440	—	40·2	53·7	46·9	+0·2	17	April 24th	86	July 2nd	46·9	45·7	2·6	2·1	·269	·267	82	85	—	—
	¶ Leith – – –	37	29·863	+ ·048	42·8	54·2	48·5	+0·6	17	April 25th	76	{May 28, June 25, Aug. 2nd}	46·9	50·1	2·2	3·1	·280	·294	85	80	—	—
	¶ § **Marchmont** – S	500	29·379	—	39·5	52·8	46·2	+0·6	18	Dec. 30th	79	July 2nd	46·6	45·0	2·5	1·9	·270	·263	83	86	46·8	—
	District Value –				**39·8**	**52·9**	**46·2**	**+0·4**	**10**		**86**											
2. ENGLAND, N.E.																						
	§ **Cockle P'rk (Morpeth)**	331	29·575	—	40·0	52·3	46·2	—	16	Dec. 30th	75	{July 2, 22, Aug. 3rd}	47·2	45·0	1·9	1·2	·293	·283	87	91	46·5	46·9
	¶ Shields – – –	117	29·805	+ ·053	40·9	53·7	47·3	+0·1	19	Dec. 30th	79	July 22nd	46·2	49·4	1·6	2·7	·287	·295	89	82	—	—
	Seaham – – –	138	29·796	—	42·5	53·0	47·8	+0·4	18	Dec. 30th	79	July 22nd	48·3	46·1	2·6	1·7	·292	·285	82	88	—	—
Northern Part.	¶ § **Durham** – – –	352	29·564	—	40·4	53·6	47·0	+0·2	15	Dec. 30th	82	July 2nd	47·7	45·9	2·4	1·7	·289	·283	84	88	—	—
	Whitby – – –	145	29·785	—	41·9	56·6	49·3	+1·3	15	Dec. 30th	85	June 4th	49·3	47·4	2·9	2·0	·297	·294	81	86	—	—
	¶ **Rounton** – M	245	29·684	—	40·1	53·7	46·9	+0·5	12	Dec. 30th	81	July 2nd	46·9	45·4	2·3	1·6	·277	·275	84	88	48·0	—
	¶ § **Scarborough** – M	100	29·815	—	43·5	55·0	49·3	+1·5	23	Dec. 29th	79	July 22nd	49·1	48·6	3·0	2·5	·288	·292	80	83	—	49·7*
	¶ § **York** – – –	53	29·926	—	42·0	55·6	48·8	+0·7	13	Dec. 30th	84	July 2nd	48·4	47·6	2·4	1·9	·293	·294	84	87	48·4	48·4
	Hull – – –	12	29·971	—	42·1	55·3	48·7	+0·9	12	Dec. 30th	81	July 22nd	49·5	48·0	2·6	1·9	·302	·298	82	87	47·8	48·5
	¶ Spurn Head – –	28	29·929	+ ·056	44·2	53·0	48·6	+0·3	25	Dec. 30th	75	July 30th	47·0	49·3	1·5	2·2	·296	·307	90	85	—	—
Southern Part.	§ Skegness – – –	16	29·980	+ ·080	42·0	53·5	47·8	—	20	Jan. 11th	81	{July 30th, Aug. 3rd}	46·3	49·9	1·3	2·4	·294	·311	91	84	—	—
	¶ **Lincoln** – – –	42	—	—	41·1	56·0	48·6	+0·2	11	Dec. 30, 31	81	{July 2nd, Aug. 3rd}	—	—	—	—	—	—	—	—	48·7	49·1
	District Value –				**41·6**	**54·5**	**47·9**	**+0·6**	**10**		**85**										**47·9**	**48·2**
3. ENGLAND, E.																						
	¶ § **Cromer** – – –	139	—	—	42·7	54·5	48·6	—	20	Jan. 6th	81	{July 30th, Aug. 3rd}	48·6	—	2·0	—	·306	—	87	—	—	—
	¶ § **Hillington** – M	92	—	—	40·6	55·4	48·0	-0·2	11	Dec. 30th	81	Aug. 3rd	48·8	46·4	2·3	1·5	·301	·291	84	89	—	—
	¶ **Norwich** – – –	93	—	—	42·4	55·7	49·1	—	17	Jan. 5th	81	{July 30th, Aug. 3rd}	—	—	—	—	—	—	—	—	—	—
Northern Part.	¶ § **Yarmouth** – –	21	29·954	+ ·068	43·5	53·8	48·7	+0·6	23	Jan. 5th	80	July 30, Aug. 3	47·2	50·2	2·0	2·9	·290	·303	86	81	—	—
	Lowestoft – M	75	29·927	—	43·0	53·8	48·4	-0·1	23	Jan. 12th	76	Oct. 4th	50·3	47·3	2·8	1·8	·305	·294	81	87	50·2	50·4
	¶ § **Geldeston** – –	47	29·958	—	41·8	56·2	49·0	+0·4	15	Jan. 12th	83	July 30th	50·0	47·4	2·6	1·4	·310	·304	83	90	—	—
	¶ § **Cambridge** – –	43	29·961	—	41·3	57·0	49·2	+0·3	7	Dec. 30, 31	82	July 30th	49·2	47·4	2·6	1·8	·305	·302	84	88	50·1	50·9
	Woburn – – –	294	29·717	—	40·9	56·1	48·5	—	1	Dec. 30th	81	{July 30th Aug. 3rd}	48·5	47·3	2·3	1·6	·303	·302	85	89	—	—
	Bennington – M	411	29·603	—	41·2	55·9	48·6	+0·3	15	Dec. 30th	82	Aug. 3rd	48·2	46·5	2·5	1·7	·291	·286	83	87	50·3	50·3
Southern Part.	¶ § Clacton – – –	62	29·947	+ ·063	43·9	54·8	49·4	-0·2	17	Dec. 30, 31	76	June 4, Aug. 4	47·8	50·8*	1·7	2·8	·304	·314	88	82	50·6	51·9
	Berkhamsted – M	397	29·601	—	40·7	56·4	48·6	+0·2	12	Dec. 30th	83	July 3rd	48·0	46·5	2·3	1·6	·292	·289	84	88	50·4	—
	District Value –				**42·3**	**55·6**	**48·8**	**+0·6**	**1**		**83**										**50·5**	**51·0**
4. MIDLAND COS.																						
	Garforth – –	198	—	—	39·0	54·6	46·8	—	3	Dec. 30th	81	July 2nd	47·9	45·7	2·5	1·7	·291	·280	84	87	47·5	47·6
	Huddersfield – –	411	29·530	—	41·6	53·7	47·7	—	14	Dec. 30th	81	July 2nd	47·1	46·5	2·2	1·7	·287	·289	85	88	48·0	47·6
	Wakefield – M	100	29·868	—	41·9	56·2	49·1	+1·2	11	Dec. 30th	82	July 2nd	48·3	49·5	2·7	3·0	·283	·291	82	80	—	—
	Belvoir Castle –	276	29·701	—	41·3	55·0	48·2	+0·1	10	Dec. 30th	80	{June 3,4, July 2, Aug. 3}	47·6	46·7	2·0	1·4	·295	·295	87	90	—	49·0*
	Coventry – –	309	29·679	—	42·0	56·1	49·1	+0·2	13	Dec. 30th	85	June 3rd	48·3	—	2·6	—	·288	—	83	—	49·7	50·3
Eastern Part.	¶ § Nottingham – –	85	29·892	+ ·050	41·1	55·9	48·5	+0·1	9	Dec. 30th	84	July 2nd	46·5	50·8	1·1	2·8	·292	·314	92	82	48·4	48·8
	¶ § **Birmingham** – –	542	29·417	—	42·4	54·7	48·6	+0·5	14	Dec. 30th	82	July 3rd	46·2	47·9	1·9	2·5	·283	·289	87	83	47·4	48·1
	¶ § Oxford – – –	212	{29·802 29·790}	{+ ·072 + ·063}	42·1	56·5	49·3	+0·3	9	Dec. 30th	84	July 3rd	{47·2 49·3}	{49·5 —}	{2·1 2·9}	— —	{·287 ·291}	— —	{85 81}	— —	— —	— —
	¶ § Bath – – –	84	29·927	+ ·071	42·6	57·3	50·0	+0·2	16	Dec. 30th	85	July 3rd	47·7	53·3	1·7	—	·299	—	88	—	51·6	52·7
	¶ **Shrewsbury** – –	212	29·774	—	41·3	56·7	49·0	0·0	14	Jan. 4th	86	July 3rd	48·6	47·5	2·3	1·5	·303	·308	85	89	—	—
	Buxton – – M	997	28·920	—	39·5	51·8	45·7	+0·4	4	Dec. 30th	78	July 2nd	46·2	44·2	2·5	1·4	·267	·268	83	89	47·7	47·3
Western Part	§ **Sheffield** – – –	450	29·507	—	42·6	54·6	48·6	+0·1	14	Dec. 30th	80	{July 22nd Sept. 30th}	48·2	47·8	2·6	2·1	·289	·295	82	85	47·7	47·8
	Stokesay – –	375	29·609	—	40·0	56·1	48·1	—	11	Jan. 5th	84	July 3rd	49·5	45·9	2·5	1·3	·303	·288	84	91	—	—
	Cheltenham – M	206	29·806	—	43·1	56·2	49·7	+1·1	19	Jan. 6th	85	July 3rd	50·4	48·7	2·9	2·3	·304	·298	81	84	—	—
	District Value –				**41·2**	**55·7**	**48·2**	**+0·4**	**3**		**86**										**48·3**	**48·6**

For notes see p. cxxix. * (8 ft.)

STATIONS and NORMAL CLIMATOLOGICAL STATIONS in the BRITISH ISLANDS during the YEAR 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of									WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m., *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount. a.m.	Mean Amount. p.m.	Total Fall.	Diff. from Av.	Most in a day. Amount	Most in a day. Date.	Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Wind-force 8 and above.	No. of Obs. of Forces 4-7	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																					
—	—	—	—	8·2	8·1	31·3	− 6·0	0·75	Aug. 26th	261	*9*	0	1	5	**252**	34	—	14	225	65	75	72	53	93	104	44	169	57	Sumburgh Head.
1060	− 118	24	− 3	7·6	7·0	37·8	+ 1·6	1·67	Dec. 11th	204	26	30	4	15	179	43	—	19	383	45	69	32	53	**124**	150	78	101	80	Stornoway.
1130	− 141	26	− 3	7·5	7·4	52·6	+ 4·0	1·85	Sept. 8th	285	20	32	5	12	184	9	—	**47**	**436**	53	69	66	34	52	118	166	98	76	Stornoway.
1308	—	30	—	8·5	8·1	41·6	—	1·12	Dec 26th	256	19	**37**	2	5	241	**74**	—	26	352	12	63	56	80	109	76	93	125	**118**	Castlebay (Barra Isd.)
—	—	—	—	7·3	7·2	32·0	+ 2·7	1·90	Sept. 8th	239	23	8	2	0	140	28	—	18	170	19	120	37	57	46	**186**	63	130	74	Wick.
1131	− 57	26	− 1	6·9	6·0	27·5	− 4·7	1·51	Sept. 8th	223	25	0	2	30	*123*	—	—	7	131	**260**	29	40	54	27	29	109	124	60	Strathpeffer.
—	—	—	—	7·6	6·5	80·0	− 9·2	1·90	Sept. 8th	263	12	1	6	**33**	187	11	—	6	219	*9*	**166**	*10*	**181**	*1*	*10*	*2*	**353**	0	Glencarron.
975	+ 86	24	+ 2	7·4	7·0	43·9	− 0·7	1·09	Sept. 8th	202	28	7	4	17	166	28	—	15	227	74	33	**153**	*29*	12	79	**266**	*73*	13	Fort Augustus.
—	—	—	—	8·0	7·2	76·3	− 2·3	1·83	Dec. 7th	247	**33**	10	**11**	20	202	64	—	13	132	143	*6*	125	48	15	32	217	130	16	Fort William
—	—	—	—	—	—	33·1	+ 1·5	1·32	Feb. 29th	174	14	1	0	—	—	3	—	*5*	*84*	86	38	76	137	65	26	66	127	111	Dunrobin Castle.
1074	**− 38**	**24**	**− 1**	**7·7**	**7·2**	**5·27**	**0·0**	**1·90**		**250**																			
1347	—	30	—	7·3	7·0	23·0	− 1·7	1·42	Sept. 8th	224	21	7	*1*	11	158	25	—	0	*48*	**173**	21	32	111	26	16	97	226	*30*	Nairn.
—	—	—	—	7·3	6·6	25·4	− 5·1	1·22	July 17th	190	21	**15**	5	13	132	*4*	—	4	53	0	47	60	14	141	149	182	*55*	84	Gordon Castle.
1304	− 97	29	− 3	7·2	6·6	28·0	− 2·7	1·65	Oct. 19th	194	33	10	5	17	149	23	—	1	114	84	40	*17*	29	79	**159**	129	77	118	Aberdeen.
—	—	—	—	6·7	6·0	32·7	+ 2·5	1·48	July 11th	220	**55**	0	**6**	25	*122*	**45**	114	**53**	**512**	0	**116**	41	*6*	94	61	126	115	**173**	Tillypronie.
—	—	—	—	6·9	—	26·2	− 9·8	1·30	Mar. 9th	166	46	4	5	**67**	191	22	**169**	21	56	0	56	32	30	20	66	70	**406**	52	Balmoral.
—	—	—	—	8·2	8·3	25·4	− 3·7	1·48	Sept. 7th	200	21	4	3	7	**218**	30	—	22	141	0	*13*	**101**	33	**162**	*5*	**211**	104	103	Dundee
—	—	—	—	6·7	6·8	40·4	− 1·0	1·24	Aug. 31st	208	29	2	5	17	140	34	—	18	171	0	55	37	**231**	*13*	25	*38*	285	48	Crieff.
—	—	—	—	6·6	6·4	22·1	− 1·7	1·28	Jan. 7th	200	*18*	9	3	17	133	10	—	6	68	21	24	78	113	55	41	148	184	68	Leith.
1241	− 90	28	− 2	6·5	6·2	30·7	− 3·7	1·50	Jan. 7th / Oct. 19	181	35	8	**6**	49	144	9	*105*	1	64	0	98	46	167	40	74	79	188	140	Marchmont.
1288	**− 42**	**29**	**− 1**	**7·0**	**6·7**	**28·9**	**− 2·1**	**1·65**		**199**																			
1414	—	32	—	7·2	6·3	26·1	− 4·0	1·13	July 17th	221	26	10	15	13	139	*12*	**141**	**23**	202	54	22	28	14	**121**	54	121	147	**171**	Cockle Park (Morpeth).
—	—	—	—	7·8	7·8	20·0	− 5·0	0·80	Mar. 6th	182	17	8	2	4	195	49	—	1	106	15	64	50	60	82	131	167	116	*47*	Shields.
—	—	—	—	6·9	6·5	18·5	− 8·4	0·65	Mar. 6th	167	27	**17**	13	30	149	*12*	—	4	201	68	56	42	38	77	95	165	125	66	Seaham.
1254	− 63	28	− 2	7·8	7·1	19·4	− 7·8	0·71	July 8th	182	**29**	6	14	28	**204**	14	109	4	81	**208**	48	*27*	33	*17*	126	121	99	53	Durham.
1413	—	32	—	5·9	5·8	19·7	− 6·0	1·45	May 30th	170	20	4	7	**55**	113	22	—	2	*32*	28	23	78	*6*	125	23	**309**	*22*	118	Whitby.
—	—	—	—	7·5	6·9	22·1	− 4·5	0·99	July 17th	206	28	*1*	**16**	30	191	42	114	5	120	98	56	66	14	69	154	168	30	77	Rounton.
1378	—	31	—	7·9	8·3	20·2	− 7·1	0·85	Feb. 29th	192	17	*1*	3	0	189	**83**	—	6	267	8	45	**139**	9	92	24	221	42	152	Scarborough.
1259	− 17	28	− 1	6·6	5·9	21·8	− 3·5	0·90	July 8th	200	25	5	14	49	130	36	—	2	43	15	**94**	43	50	54	**207**	*70*	144	55	York.
895	—	20	—	7·8	6·2	20·2	− 5·6	0·76	July 8th	188	26	11	10	20	168	54	*87*	1	39	177	46	81	32	48	*23*	131	123	71	Hull.
—	—	—	—	6·2	5·8	16·5	− 3·1	0·74	Sept. 22nd	165	20	5	14	35	113	62	—	9	**316**	3	69	60	66	79	119	139	113	84	Spurn Head.
1630	—	37	—	6·0	5·6	18·0	—	0·59	Apr. 27th	195	*9*	*1*	*2*	34	*102*	30	—	0	111	0	55	70	82	70	74	138	**156**	87	Skegness.
—	—	—	—	—	—	20·7	− 2·6	0·72	Apr. 25th	187	20	5	10	—	—	13	—	2	—	53	17	87	**94**	57	38	148	135	103	Lincoln.
1406	**− 45**	**32**	**− 1**	**7·1**	**6·6**	**20·5**	**− 4·4**	**1·45**		**187**																			
1488	—	34	—	7·8	—	18·5	—	0·65	July 13th	226	**15**	4	7	—	—	22	—	3	**335**	16	**91**	59	39	60	**127**	159	93	88	Cromer.
1404	− 95	32	− 2	7·6	6·3	25·5	− 2·0	0·74	July 13th	214	22	13	16	21	161	*16*	110	0	70	90	62	90	56	73	*29*	165	106	61	Hillington.
—	—	—	—	—	—	25·2	—	1·80	July 13th	218	—	—	—	—	—	—	*93*	—	—	—	—	—	—	—	—	—	—	—	Norwich.
1711	—	39	—	6·8	6·5	22·5	− 2·8	1·04	Aug. 22nd	173	19	10	14	*3*	*94*	**52**	—	**23**	231	14	76	**90**	66	76	72	124	148	66	Yarmouth.
1703	—	39	—	6·1	5·2	18·6	− 5·1	0·79	Apr. 23rd	153	**26**	13	15	**64**	109	45	60	3	198	42	69	92	73	51	50	104	149	102	Lowestoft.
1524	− 97	34	− 3	6·8	5·9	19·4	− 4·4	0·91	Oct. 9th	183	25	16	16	54	142	49	—	*1*	32	21	81	62	**80**	53	88	130	**164**	53	Geldeston.
1578	+ 18	36	+ 1	7·3	5·2	17·6	− 5·1	0·90	Apr. 23rd	165	18	17	18	39	129	51	110	6	180	122	63	*49*	*14*	**99**	41	**193**	*67*	84	Cambridge.
—	—	—	—	7·6	5·9	22·9	—	1·11	Jan. 7th	186	17	0	*4*	29	**151**	30	—	5	173	133	55	83	49	*26*	64	167	102	53	Woburn.
—	—	—	—	7·4	6·1	20·5	− 5·5	0·78	Aug. 22nd	189	25	11	**23**	34	149	73	105	0	*31*	170	*28*	79	56	57	40	124	127	*51*	Bennington.
1736	—	39	—	6·6	6·2	17·6	—	1·25	July 13th	148	21	12	17	17	103	24	99	6	252	*7*	71	76	78	78	100	*87*	137	**98**	Clacton.
1526	—	35	—	7·2	5·7	25·3	− 3·2	1·36	Jan. 7th	186	23	**25**	17	36	136	51	**122**	0	8	**141**	46	62	47	41	79	106	132	78	Berkhamsted.
1582	**− 1**	**36**	**0**	**7·2**	**5·9**	**21·3**	**− 2·4**	**1·80**		**186**																			
1229	—	28	—	7·2	6·3	21·4	—	0·79	Mar. 25th	185	18	3	9	28	134	35	—	2	*29*	**197**	46	72	40	*39*	52	*87*	154	*45*	Garforth.
1099	—	25	—	7·1	6·2	30·8	—	0·99	Sept. 20th	204	30	8	14	32	154	29	79	7	120	130	48	50	55	56	58	97	165	73	Huddersfield.
—	—	—	—	7·0	6·2	20·3	− 6·1	0·65	Mar. 25th	152	23	12	12	37	145	45	—	1	68	21	56	87	69	64	61	153	164	57	Wakefield.
1485	—	34	—	7·0	6·1	21·5	− 3·9	0·82	Mar. 25th	211	31	14	**29**	30	145	**70**	94	6	**186**	143	71	37	19	43	**117**	157	77	68	Belvoir Castle.
1395	—	32	—	7·0	—	23·1	− 2·6	1·22	Aug. 31st	199	24	5	6	**60**	**203**	14	84	1	108	128	34	46	68	44	96	150	82	84	Coventry.
1295	—	29	—	7·2	6·1	21·3	− 3·5	0·69	Mar. 25th	195	19	8	13	23	153	37	80	3	76	*11*	37	69	**119**	46	51	170	162	67	Nottingham.
1140	—	26	—	7·5	5·7	26·5	− 0·9	1·20	June 17th	168	18	0	9	33	143	16	**110**	1	78	82	80	67	66	47	90	129	95	76	Birmingham.
1530	+ 32	35	+ 1	7·0 / 6·6	5·7 / —	23·9 / 23·7	− 1·1 / − 2·3	1·66	Apr. 25th	179	*10*	9	8	37	139	40	96	2	169	52	74	93	42	53	112	132	111	63	Oxford.
1741	—	39	—	6·7	5·2	23·3	− 7·2	0·99	Aug. 23rd	158	—	—	—	59	137	—	—	—	164	8	32	**170**	63	45	*20*	121	**171**	96	Bath.
—	—	—	—	7·5	5·5	23·4	—	1·14	June 17th	183	*16*	3	*3*	32	146	18	*72*	5	129	42	32	*19*	25	**167**	83	102	92	**170**	Shrewsbury.
1298	—	29	—	7·2	6·3	42·0	− 8·6	1·21	Nov. 21st	218	**48**	**16**	17	39	156	46	104	3	129	136	*21*	25	89	49	36	108	139	109	Buxton.
1281	—	29	—	7·4	7·0	25·4	− 7·2	0·78	Dec. 15th	179	30	5	15	*11*	155	49	77	0	41	104	77	55	19	53	87	139	101	97	Sheffield.
—	—	—	—	7·8	6·5	29·2	—	0·99	Mar. 24th	181	22	9	7	21	174	19	104	**15**	105	194	**83**	50	*14*	62	102	90	*58*	79	Stokesay.
1591	—	36	—	6·5	5·2	20·2	− 7·4	1·08	Aug. 31st	158	15	1	7	58	*122*	0	79	1	81	75	22	52	30	94	60	**221**	112	66	Cheltenham
1376	**− 31**	**31**	**− 1**	**7·2**	**6·0**	**24·4**	**− 2·0**	**2·78**		**181**																			

TABLE XXV. (*continued*).—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at TELEGRAPHIC REPORTING

DISTRICT.		STATION.	Height of Bar. cistern above M.S.L.	BAROMETER. Mean at 32° F. at Station Level and Lat.	BAROMETER. Diff. from Av.	AIR TEMPERATURE. Mean of A Min.	Mean of B Max.	Mean of A and B.	Diff. from Av.	Absolute Minimum and Maximum. Min.	Date.	Max.	Date.	HYGROMETER. Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.* Dry Bulb. a.m.	Dry Bulb. p.m.	Dep. of Wet. a.m.	Dep. of Wet. p.m.	Vap. Pressure. a.m.	Vap. Pressure. p.m.	Humidity a.m.	Humidity p.m.	Earth Temperature. At 1 foot depth.	At 4 feet depth.
			ft.	Ins.	Ins.	°	°	°	°	°		°		°	°	°	°	In.	In.	%	%		
5. ENGLAND, S.E.		Reading	264	29·733	—	41·4	56·8	49·1	—	8	Dec. 30th	84	July 3rd	48·7	47·7	2·3	1·7	·301	·300	86	88	—	—
		Salisbury	186	29·824	—	40·8	57·2	49·0	0·0	12	Dec. 30, 31	84	July 3rd	49·5	47·7	1·9	1·4	·320	·309	87	90	51·7	—
		Dover	231	29·761	+·056	43·2	54·7	49·0	—	18	Dec. 30th	80	June 4th	47·4	49·8	1·5	2·5	·303	·308	89	83	49·8	50·1
		Brighton	48	29·980	—	44·8	55·9	50·4	0·0	18	Dec. 30th	82	{June 3rd, July 2nd}	51·0	—	2·7	—	·319	—	83	—	—	51·5
	§	Eastbourne	36	29·990	—	44·7	55·7	50·2	+0·1	17	Dec. 31st	79	June 4th	51·3	49·8	2·6	1·7	·329	·327	84	88	51·5	52·0
		Portsmouth	18	30·022	—	45·0	57·5	51·3	+1·0	17	Dec. 30th	83	{June 4th July 2nd}	51·5	—	3·1	—	·316	—	81	—	52·3	52·9
	¶	Dungeness	21	29·972	+·048	43·8	54·7	49·3	−0·5	13	Dec. 31st	76	June 4th	48·4	51·3	1·5	2·3	·314	·331	90	85	—	—
	¶	Hastings	174	29·838	—	44·5	55·3	49·9	+0·1	20	Dec. 30th	78	June 4th	50·5	48·5	2·6	1·7	·375	·310	83	88	51·4	51·5
	¶ §	Southampton	84	29·953	—	44·0	58·1	51·1	+0·6	16	Dec. 30th	85	June 4th	51·3	49·5	3·0	2·1	·320	·318	81	86	—	—
	¶ §	*Ventnor*	80	29·934	—	46·3	57·0	51·7	+0·4	20	Dec. 30th	83	June 4th	51·8	—	3·0	—	·319	—	81	—	—	—
		District Value				**43·1**	**56·3**	**49·5**	**0·0**	**0**		**88**										**50·7**	**51·2**
LONDON	¶ §	Tottenham	55	29·957	—	43·7	57·0	50·4	+0·6	16	Dec. 30th	82	July 3rd	50·4	49·3	2·6	1·8	·319	·324	83	88	—	51·6
		Camden Square	123	29·896	—	43·4	58·5	51·0	+0·6	14	Dec. 30th	87	July 3rd	50·3	49·8	2·6	1·9	·312	·321	83	87	49·9	49·6
		Westminster	54	29·948	+·053	44·5	57·2	50·9	+0·8	18	Dec. 31st	83	July 3rd	47·7	53·3	1·9	4·2	·295	·311	86	74	—	—
		Greenwich	159	29·850 29·841	— +·061	42·3 —	57·8 —	50·1 49·8	0·0 +0·2	12	Dec. 30th	84	July 3rd	50·1	48·0	3·0	2·1	·301	·295	81	85	—	51·2
		Norwood	235	29·797	—	42·9	57·3	50·1	+0·5	14	Dec. 30th	85	June 4th	50·2	48·2	3·0	2·0	·302	·299	80	85	49·8	—
	¶ §	Kew	34	29·994 29·985	+·058 +·058	43·6	56·8	50·2 50·1	+0·7 +0·8	15	Dec. 30th	81	July 3rd	49·7	49·4	3·0	2·6	·295	·301	80	82	49·9	50·5
		Bunhill Row		—	—	—	—	—	—	—		—		—	—	—	—	—	—	—	—	—	—
SCOTLAND, W.	¶	Laudale	25	29·866	—	42·7	54·7	48·7	+0·9	24	{April 25th, Dec. 29th}	82	June 30th	49·9	48·3	2·3	1·7	·315	·310	85	88	—	—
	¶	Poltalloch	135	29·771	—	41·6	54·3	48·0	+0·5	17	Jan. 4th	87	June 28th	48·8	45·9	2·8	2·0	·285	·270	80	85	—	—
	¶ §	Glasgow	184	29·722	—	43·0	53·3	48·2	+1·1	21	Jan. 4th	84	July 2nd	47·6	47·4	2·6	2·3	·281	·286	82	84	—	—
	¶	Rothesay	76	29·842	—	43·5	54·8	49·1	+1·4	22	Jan. 4th, 5th	83	July 2, 3rd	48·8	47·7	2·5	2·1	·293	·286	83	85	—	48·3
	¶	*Colmonell*	140	—	—	41·9	54·1	48·0	+0·4	13	Jan. 4th	78	June 28, 29	—	—	—	—	—	—	—	—	—	—
6.	¶	Dumfries	60	29·892	—	41·7	55·8	48·8	+0·9	15	Jan. 5th	91	July 2nd	48·6	48·4	2·9	2·6	·283	·286	81	82	—	—
	¶	Cally, Gatehouse	120	—	—	40·7	54·8	47·8	+0·8	14	Jan. 5th	83	July 2nd	49·4	46·0	1·9	1·9	·308	·274	87	86	—	—
ISLE OF MAN	¶ §	Douglas	284	29·724	—	43·9	53·6	48·8	+0·6	19	Jan. 5th	79	July 2nd	49·1	47·8	1·9	1·5	·312	·306	87	89	—	—
		District Value				**42·2**	**54·4**	**48·1**	**+0·7**	**11**		**91**											
		Southport	42	29·944	—	43·2	54·6	48·9	+0·7	16	Dec. 30th	81	July 3rd	49·1	47·9	2·6	1·8	·296	·300	82	87	49·9	50·2
		Manchester (City)	195	29·781	—	44·6	55·2	49·9	—	21	Dec. 30th	82	July 1st	49·3	49·4	2·6	2·5	·301	·306	82	83	48·6	49·8
		„ (Whitworth P'k)	127	29·841	—	43·5	55·4	49·5	—	21	{Jan. 5th Dec. 30th}	81	June 3, July 1	48·7	48·7	2·7	2·4	·288	·294	82	84	—	—
	¶ §	Aspatria	254	29·679	—	41·7	54·0	47·9	+0·8	17	Jan. 4th	81	June 26th	48·4	46·5	2·2	1·6	·301	·293	85	88	—	—
ENGLAND, N.W.	¶ §	Newton Rigg	559	29·337	—	39·6	53·5	46·6	+0·5	13	Jan. 4th	86	July 2nd	46·0	45·9	1·9	1·6	·279	·281	87	88	48·2	47·7
	¶ §	Stonyhurst	363	29·591	—	41·9	53·1	47·5	+0·1	16	Dec. 30th	83	July 2nd	47·8	47·0	2·5	2·2	·287	·285	82	84	—	—
	¶ §	Blackpool	73	29·904	—	42·9	53·7	48·3	0·0	17	Dec. 30th	79	July 3rd	49·6	47·5	2·1	1·2	·315	·309	86	91	—	49·3
7.		Darwen	710	—	—	40·2	52·8	46·5	—	15	Dec. 30th	83	July 2nd	—	—	—	—	—	—	—	—	48·6	47·9
	¶	M'nch't'r (Prestwich)	320	29·631	—	41·7	54·8	48·3	+0·6	16	Dec. 30th	80	Oct. 3rd	48·2	48·2	1·8	1·8	·305	·303	88	88	—	—
	¶	Liverp'l, Bidston Obs.	197	29·764	—	44·1	53·8	49·0	+0·1	16	Jan. 5th	79	July 3nd	48·6	48·3	2·7	2·3	·288	·293	82	84	—	—
	¶ §	Llandudno	21	29·966	—	45·2	55·9	50·6	+0·7	22	Jan. 4th	80	June 28th	50·9	50·0	3·1	2·7	·303	·301	80	81	—	—
NORTH WALES	¶	Holyhead	48	29·912	+·054	45·2	54·0	49·6	−0·1	27	{Jan. 3, 4, Dec. 29th}	75	{June 29th Oct. 2, 3rd}	49·0	50·6	1·3	1·8	·322	·329	91	87	—	—
	¶ §	Bettws-y-Coed	100	29·853	—	42·0	55·9	49·0	−0·7	15	Jan. 4th	85	July 3rd	49·7	47·3	2·7	1·5	·302	·298	82	89	48·0	48·6
		District Value				**42·7**	**54·4**	**48·4**	**+0·2**	**12**		**86**										**48·7**	**48·9**
SOUTH WALES	¶ §	*Llangammarch Wells*	585	29·379	—	39·2	54·6	46·9	−0·9	11	Jan. 12th	84	July 3rd	47·4	—	1·9	—	·293	—	87	—	49·0	49·2
	¶ §	Pembroke	150	29·822	+·057	45·9	54·3	50·1	+0·2	24	Jan. 3rd	76	July 3rd	49·0	50·9	1·4	2·2	·318	·325	90	86	—	—
	¶	*Clifton*	229	—	—	44·7	56·9	50·8	+0·9	19	Dec. 30th	87	July 3rd	—	—	—	—	—	—	—	—	—	—
8.	¶	Portland Bill	23	29·987	+·053	47·4	54·9	51·2	+0·2	24	Dec. 30th	74	{June 4th, July 1, 2}	50·3	52·3	1·6	2·0	·333	·346	89	87	—	—
	¶ §	Plymouth	116	29·914	—	46·3	57·1	51·7	+0·8	24	Jan. 3rd	79	July 3rd	52·3	51·4	3·0	2·7	·329	·323	81	83	52·5	—
ENGLAND, S.W.	¶ §	Falmouth	183	29·854 29·848	+·082 +·083	47·3	55·8	51·6 51·6	+0·6 +0·7	28	Jan. 3rd	73	July 2nd	52·0	50·7	2·7	2·2	·326	·322	83	85	—	—
		Woolacombe	79	29·922	—	47·0	56·1	51·6	−0·6	23	Jan. 4th	81	July 3rd	51·9	50·7	2·7	2·3	·325	·318	82	84	—	—
		Rousdon	516	29·473	—	43·5	54·8	49·2	—	19	Dec. 30th	78	June 4th	49·4	49·2	2·0	1·9	·312	·311	86	87	51·4	51·6
		Whitchurch	595	29·384	—	43·4	55·6	49·5	—	20	Jan. 3, 5	81	July 4th	50·3	47·5	2·1	1·3	·322	·305	86	90	51·0	—
		District Value				**44·2**	**55·7**	**49·8**	**+0·3**	**11**		**87**										**51·0**	**50·4**
9. IRELAND, N.	¶	Malin Head	230	29·620	+·033	44·2	52·6	48·4	0·0	26	April 25th	73	{May 28th, Oct. 3rd}	47·4	49·5	0·8	1·3	·313	·329	94	91	—	—
Western Part.	¶	Blacksod Point	41	29·874	+·045	45·7	54·5	50·1	+0·5	29	Jan. 4, 5	76	June 28th	49·7	51·4	1·8	2·4	·317	·324	87	84	—	—
	¶ §	Markree Castle	127	29·807	—	42·1	55·5	48·8	+1·1	10	Jan. 4th	79	July 1st	49·9	47·4	2·5	1·6	·312	·301	84	89	—	—
Eastern Part.	¶	Donaghadee	40	29·899	+·061	43·5	53·7	48·6	+0·3	25	Jan. 5, 6	72	{June 27th, July 23rd}	47·2	50·3	1·3	2·3	·299	·312	91	84	—	—
	¶ §	Armagh	202	29·720	—	42·4	55·5	49·0	+1·3	17	Jan. 5th	81	July 2nd	49·4	46·8	2·3	2·1	·309	·284	85	85	50·0	50·0
		Belfast	55	29·902	—	42·4	55·0	48·7	—	19	Jan. 5th	77	July 2nd	49·3	47·5	2·5	1·7	·302	·298	84	88	—	—
10. IRELAND, S.		District Value				**43·6**	**54·4**	**48·8**	**+0·8**	**16**		**81**											
Eastern Part.	§	Dublin (Phœnix P'k)	159	29·804	—	41·6	56·0	48·8	+0·9	18	Jan. 5th	77	{July 4th, Aug. 3rd}	49·9	47·6	2·3	1·5	·316	·307	85	89	—	—
		„ (Trinity Coll'ge)	17	29·951	—	45·1	56·7	50·9	—	21	Jan. 5th	77	Aug. 3rd	51·2	49·9	3·2	2·5	·308	·310	80	83	50·5	50·6
	¶	„ (City)	58	29·912	—	45·2	56·1	50·7	+0·8	23	Jan. 5th	76	Aug. 3rd	50·2	49·7	2·7	2·2	·308	·311	82	85	—	—
	¶	*Waterford*	100	—	—	43·8	56·7	50·3	+1·0	21	Jan. 5th	81	July 2, 3, 4	—	—	—	—	—	—	—	—	—	—
Western Part.	¶ §	Birr Castle	173	29·766	—	42·3	56·1	49·2	+0·8	12	Jan. 5th	82	July 4th	50·2	49·0	1·8	1·4	·335	·327	88	90	—	—
	¶	*Killarney*	174	—	—	45·1	58·4	51·8	+1·6	20	Jan. 4th	86	July 3rd	—	—	—	—	—	—	—	—	—	—
	¶ §	Valencia	62	29·945 29·939	+·049 +·049	47·2	55·8	51·5 51·8	+0·6 +0·9	24	Jan. 4th	76	July 2nd	51·9	51·2	2·3	2·1	·334	·328	85	86	—	—
	¶	Roche's Point	42	29·950	+·070	46·3	55·6	51·0	+0·3	28	Jan. 4th	72	July 2, 4, 5	49·5	52·4	1·2	2·3	·331	·339	91	85	—	—
		District Value				**44·5**	**56·5**	**50·3**	**+0·8**	**12**		**86**											
11. ENGLISH CHANNEL	¶ §	Scilly	20	30·004	+·075	49·4	56·6	53·0	+0·7	33	{Jan. 4, 11, April 25th}	74	July 4th	51·3	53·5	2·1	2·6	·332	·345	85	83	—	—
	¶ §	Jersey	36	30·016	+·075	46·7	57·9	52·3	+0·2	25	Jan. 4th	82	June 3rd	50·8	53·6	2·2	3·7	·326	·325	85	77	—	—
		Guernsey (Brooklyn)	311	29·725	—	47·3	56·5	51·9	+0·1	28	Jan. 4th	76	Aug. 14th	51·7	50·5	2·7	2·3	·326	·319	82	84	53·2	53·5
		District Value				**48·0**	**57·4**	**52·6**	**+0·5**	**25**		**82**											

For notes see p. cxxix.

STATIONS and NORMAL CLIMATOLOGICAL STATIONS in the BRITISH ISLANDS during the YEAR 1908.

BRIGHT SUNSHINE.				CLOUD (0–10).		RAIN AND OTHER FORMS OF PRECIPITATION.			WEATHER. No. of Days of								WIND FORCE (0–12).		WIND DIRECTION. No. of Observations at 7 a.m. and 6 p.m. *or at 9 a.m. and 9 p.m.*								STATIONS.
Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.	Mean Amount.		Total Fall.	Diff. from Av.	Most in a Day.																		
				a.m.	p.m.			Amount	Date.	Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost	Wind-force 8 and above.	No. of Obs. of Forces 4–7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	
Hrs.	Hrs.	%	%			Ins.	Ins.	Ins.																			
—	—	—	—	6·6	5·2	20·5	− 4·6	1·30	Apr. 25th	158	16	1	8	49	125	*1*	—	4	42	**200**	38	59	57	*27*	56	138	102	*55*	Reading.
—	—	—	—	7·0	5·9	29·8	− 2·4	2·18	Apr. 25th	203	15	0	6	26	126	40	**99**	8	144	16	84	66	24	61	70	141	97	173	Salisbury.
1832	—	41	—	6·9	6·0	23·0	—	1·14	June 3rd	163	**26**	**12**	**22**	42	174	27	59	5	132	52	**102**	68	45	37	**75**	**190**	82	81	Dover.
1925	+194	44	+ 5	6·6	—	21·5	− 6·1	1·14	Jan. 7th	137	*10*	4	11	57	**185**	22	*48*	8	152	76	80	98	58	82	42	154	76	66	Brighton.
1932	+193	44	+ 5	6·0	4·2	25·8	− 5·1	1·38	Jan. 7th	154	16	1	6	84	97	8	—	4	*96*	124	30	145	32	61	15	141	99	85	Eastbourne.
1949	—	44	—	5·9	—	20·5	− 7·1	0·95	Oct. 18th	146	11	2	4	**93**	137	14	60	*1*	306	*2*	64	104	72	92	40	118	120	120	Portsmouth.
—	—	—	—	7·7	7·2	24·6	+ 1·8	1·08	Aug. 23rd	190	18	2	14	0	157	**62**	—	9	**369**	3	68	113	67	43	65	188	112	73	Dungeness.
1887	+104	43	+ 3	6·2	4·4	22·0	− 7·1	1·13	Aug. 23rd	162	19	9	11	63	*89*	45	--	**11**	210	31	83	92	63	71	62	119	132	79	Hastings.
1787	+122	40	+ 2	6·5	5·0	27·8	− 3·1	1·69	Aug 27th	176	18	6	10	67	117	31	77	5	182	8	*16*	**178**	*3*	**120**	*9*	187	*34*	**177**	Southampton.
1933	+210	44	+ 5	6·1	—	21·4	− 8·2	0·81	July 16th	161	12	3	*3*	58	118	10	—	*1*	160	52	91	*62*	**92**	58	71	*107*	**138**	61	Ventnor.
1742	**+139**	**39**	**+ 3**	**6·6**	**5·5**	**24·6**	**− 2·5**	**2·18**		**172**																			
1576	—	36	—	7·5	6·2	22·0	—	1·26	Jan. 7th	133	17	8	18	23	151	26	65	2	56	72	61	104	48	61	29	179	79	99	Tottenham.
1357	—	31	—	7·0	—	23·7	− 1·5	1·38	Jan. 7th	160	15	5	8	50	193	22	84	—	—	94	94	110	30	26	44	92	132	110	Camden Square.
1364	+220	31	+ 5	6·3	6·2	21·3	− 3·1	1·15	Jan. 7th	165	20	9	16	39	139	15	80	7	129	87	52	89	73	39	46	166	114	66	Westminster.
1634	+132	37	+ 3	7·0	5·5	23·8	− 0·3	1·04	July 13th	150	21	13	8	49	145	52	96	0	85	53	65	81	72	69	46	150	156	40	Greenwich.
—	—	—	—	6·6	5·3	25·9	+ 1·0	1·29	June 4th	171	21	7	15	58	130	77	72	0	62	110	59	105	44	25	79	155	87	68	Norwood.
1543	+ 76	35	+ 2	7·2	5·7	22·2	− 1·8	1·60	Jan. 7th	161	15	6	16	34	140	31	103	0	112	126	76	73	66	30	70	159	81	51	Kew.
1305	+165	30	+ 4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.
—	—	—	—	7·7	7·2	74·0	− 3·2	1·95	Sept. 5th	243	**19**	17	6	27	192	13	—	15	370	73	**101**	*6*	35	61	**206**	*37*	153	60	Laudale.
—	—	—	—	7·6	7·0	57·0	+ 5·7	1·77	Aug. 26th	234	*10*	16	6	15	177	16	—	25	251	95	62	51	*26*	65	122	106	141	64	Poltalloch.
1053	−42	24	− 1	8·3	7·6	35·8	− 2·9	1·07	Mar. 24th	206	*10*	8	**9**	*4*	**207**	*3*	83	0	*81*	**145**	26	50	118	37	52	129	140	*35*	Glasgow.
—	—	—	—	6·6	6·1	55·7	+ 7·5	1·91	Sept. 7th	243	14	9	6	**45**	151	**60**	—	25	163	107	56	18	**152**	*26*	74	67	**175**	57	Rothesay.
—	—	—	—	—	—	44·2	− 0·7	1·13	Jan. 5th	204	14	13	7	—	—	—	—	—	—	2	*16*	71	98	**145**	33	160	79	128	Colmonell.
—	—	—	—	6·8	5·8	37·2	− 3·0	0·97	Mar. 24th	222	12	*6*	6	35	*118*	18	**90**	3	143	16	37	91	103	123	*31*	**149**	79	103	Dumfries.
—	—	—	—	—	—	48·2	− 1·1	1·02	Sept. 8th	217	12	12	*2*	—	—	12	—	9	115	*1*	20	**127**	59	123	43	125	*69*	**165**	Cally.
1540	−60	35	− 1	7·5	6·4	38·3	− 3·5	1·23	Sept. 16th	204	14	**18**	5	23	161	34	*49*	**28**	**384**	28	44	44	93	89	83	109	136	106	Douglas.
1297	**−67**	**29**	**− 2**	**7·4**	**6·7**	**47·8**	**− 0·7**	**1·95**		**219**																			
1549	+83	35	+ 2	7·3	6·8	32·5	− 0·4	1·42	Aug. 20th	198	11	12	9	18	166	**30**	84	17	**332**	39	38	36	81	**163**	76	96	122	81	Southport.
991	—	22	—	—	—	32·5	− 2·7	1·05	July 16th	186	21	6	9	—	—	19	*39*	2	*29*	20	58	**65**	95	120	114	112	104	44	Manchester (City).
1028	—	23	—	7·6	6·8	28·2	—	0·81	July 16th	185	12	*4*	*5*	22	164	24	**131**	1	114	70	43	40	92	92	123	101	*101*	70	„ (Whitworth P'k).
1440	—	33	—	6·5	5·8	39·3	+ 0·3	1·33	Aug. 27th	218	19	14	7	38	121	22	76	13	160	137	**76**	56	*28*	29	57	173	126	50	Aspatria.
1395	+ 9	32	+ 1	6·6	5·7	31·9	− 4·2	0·89	Aug. 24th	209	23	10	5	**41**	119	25	129	15	185	108	37	*19*	81	122	105	122	106	32	Newton Rigg.
1314	−42	30	− 1	7·7	5·8	48·3	+ 1·5	1·58	Nov. 21st	219	**32**	**22**	**24**	33	153	16	92	0	77	**249**	32	55	58	*12*	52	97	135	42	Stonyhurst.
1615	+206	36	+ 4	7·4	7·1	34·5	+ 0·7	1·44	July 13th	194	9	11	8	29	173	6	62	8	245	15	41	43	88	150	69	112	110	104	Blackpool.
1177	—	27	—	—	—	48·4	—	1·69	Nov. 21st	216	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Darwen.
1224	+90	28	+ 2	8·3	6·5	37·7	+ 0·7	1·39	July 16th	214	20	6	14	31	**206**	19	90	15	110	83	43	35	114	25	**129**	59	230	*14*	Manchester (Prestwich).
1481	—	33	—	6·5	7·0	28·9	+ 0·1	1·12	July 16th	190	20	15	12	25	140	26	—	7	184	7	*21*	38	**119**	135	53	145	160	54	Liverpool, Bidston Obs.
1691	+235	38	+ 5	6·3	7·1	30·8	0·0	0·84	Sept. 8th	208	7	9	*5*	19	132	2	—	1	57	56	58	35	40	32	35	*68*	**360**	48	Llandudno.
—	—	—	—	7·0	6·4	41·3	+ 6·4	1·40	Aug. 25th	198	11	17	7	*16*	143	7	—	**47**	283	38	61	41	71	30	90	200	105	96	Holyhead.
1348	—	30	—	5·9	5·4	47·4	—	1·28	Sept. 8th	219	17	21	8	38	*66*	*1*	55	30	96	27	31	32	56	51	*16*	**207**	160	*152*	Bettws-y-Coed.
1463	**+ 76**	**33**	**+ 2**	**7·0**	**6·4**	**36·8**	**+ 1·8**	**1·69**		**206**																			
1336	—	30	—	8·0	—	44·4	—	1·55	July 9th	218	16	10	6	34	**252**	33	—	0	126	**198**	72	66	*18*	*8*	*46*	*38*	150	**136**	Llangammarch Wells.
1626	− 16	37	0	6·8	6·4	38·5	+ 3·4	2·08	Dec. 15th	208	9	17	3	*13*	109	59	—	**24**	**437**	*2*	62	87	66	79	**84**	128	118	106	Pembroke.
1596	—	36	—	—	—	26·6	− 8·0	1·37	July 16th	168	—	—	—	—	—	—	*58*	—	—	—	—	—	—	—	—	—	—	—	Clifton.
—	—	—	—	6·3	5·8	20·0	—	1·69	Oct. 21st	158	5	0	*1*	33	110	42	—	19	360	18	65	69	**105**	57	50	108	**153**	107	Portland Bill.
1813	+163	41	+ 4	7·0	5·9	31·0	− 4·9	1·31	Aug. 27th	189	5	7	2	45	146	36	?	9	?	110	86	47	84	70	65	99	80	*91*	Plymouth.
1743	−23	39	− 1	6·5	5·0	37·6	− 7·8	1·63	Dec. 28th	206	*1*	19	3	49	121	*16.*	—	0	149	90	**113**	45	55	56	71	118	87	97	Falmouth.
1822	+196	41	+ 4	5·9	5·1	24·8	− 7·2	0·87	Aug. 26th	185	6	14	8	**72**	*108*	16	—	0	225	44	*21*	**112**	88	83	*37*	**140**	*79*	128	Woolacombe.
1861	—	42	—	6·7	5·5	30·3	—	1·30	Oct. 19th	181	13	6	6	62	133	116	61	2	*54*	32	84	65	58	64	51	106	140	132	Rousdon.
—	—	—	—	6·9	6·0	43·8	—	1·43	Aug. 31st	209	**31**	**39**	**11**	43	146	**98**	**75**	1	156	27	82	*42*	67	**130**	77	91	82	134	Whitchurch.
1612	**+ 46**	**36**	**+ 1**	**6·8**	**5·7**	**32·8**	**− 6·1**	**2·93**		**195**																			
—	—	—	—	7·5	7·2	33·9	+ 1·9	1·52	Aug. 26th	251	7	30	2	1	152	47	—	**66**	354	2	55	23	48	79	**168**	141	112	104	Malin Head.
—	—	—	—	7·4	7·2	57·3	+ 8·4	1·73	Sept. 8th	265	*1*	15	0	0	*145*	*4*	—	23	**420**	0	**73**	49	36	69	106	**187**	**117**	95	Blacksod Point.
1259	+ 2	28	0	7·9	6·8	47·3	+ 5·3	2·00	Sept. 8th	243	**13**	**40**	**14**	22	180	19	105	10	146	203	58	20	7	**119**	128	*80*	*22*	95	Markree Castle.
—	—	—	—	7·2	7·2	32·1	+ 0·3	0·94	Jun. 13th	217	7	12	3	5	163	**30**	—	12	168	34	65	**58**	**66**	81	129	135	96	68	Donaghadee.
1300	+ 10	29	0	7·7	6·8	33·1	+ 1·2	1·52	July 13th	218	6	1	3	**28**	**200**	10	60	0	60	**302**	*22*	*18*	11	51	127	139	38	*24*	Armagh.
—	—	—	—	—	—	38·7	+ 5·1	0·96	Dec. 28th	247	9	0	1	—	—	18	—	1	*51*	223	71	42	17	*34*	*61*	99	77	**108**	Belfast.
1280	**− 5**	**29**	**0**	**7·5**	**7·0**	**40·7**	**+ 2·2**	**2·(0**		**239**																			
1468	−62	33	− 2	7·5	6·1	24·4	− 4·1	1·21	Aug. 20th	221	14	15	3	24	150	22	**98**	0	84	**233**	*17*	29	42	*42*	53	**167**	113	*36*	Dublin (Phœnix Park).
1280	—	29	—	7·3	5·8	22·0	—	1·61	Aug. 20th	161	7	*4*	*2*	40	144	28	68	4	*79*	197	35	16	54	59	*33*	*55*	**169**	114	„ (Trinity College)
—	—	—	—	6·4	5·3	23·8	− 4·2	1·65	Aug. 20th	198	**16**	**25**	5	**50**	*94*	33	*33*	18	139	29	44	**52**	**71**	73	63	124	160	**116**	„ (City).
—	—	—	—	—	—	36·2	− 4·2	1·52	Dec. 28th	196	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Waterford.
1285	−65	29	− 2	7·5	7·9	33·4	+ 0·4	1·13	Sept. 19th	230	*4*	9	3	11	**194**	*6*	—	0	118	81	31	*12*	*18*	**75**	159	151	121	84	Birr Castle.
—	—	—	—	—	—	46·3	− 9·2	1·36	Jan. 16th	258	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Killarney.
1331	−126	30	− 3	7·7	7·2	50·4	− 6·1	1·34	Sept. 29th	259	*4*	22	**7**	*10*	172	*0*	—	7	**304**	82	69	46	53	61	**169**	93	77	82	Valencia.
—	—	—	—	6·9	6·8	34·6	−11·3	1·15	Oct. 20th	252	6	7	4	14	160	**51**	—	**26**	272	*16*	**126**	32	62	64	107	104	106	115	Roche's Point.
1377	**−75**	**31**	**− 2**	**7·2**	**6·5**	**37·4**	**− 3·1**	**1·81**		**241**																			
1745	−66	39	− 2	7·9	7·7	24·7	− 8·9	1·01	Sept. 21st	201	*2*	*3*	*1*	0	**206**	*41*	—	*9*	**410**	0	**90**	*55*	86	*44*	**94**	**113**	*132*	118	Scilly.
2001	+74	45	+ 1	6·8	5·7	25·2	− 9·0	0·93	Sept. 3rd	198	**15**	**19**	7	42	136	43	—	25	331	3	*27*	83	**100**	**91**	*38*	*80*	**173**	**137**	Jersey.
1933	+27	44	+ 1	6·2	4·7	26·2	−11·4	0·78	Feb. 16th	181	9	7	**9**	**58**	*77*	**45**	29	**32**	*244*	**55**	49	**89**	*17*	76	89	109	134	*114*	Guernsey (Brooklyn).
1907	**+ 3**	**43**	**0**	**7·0**	**6·0**	**24·9**	**− 8·0**	**1·01**		**195**																			

The sunshine entered to Portsmouth is registered at Southsea.

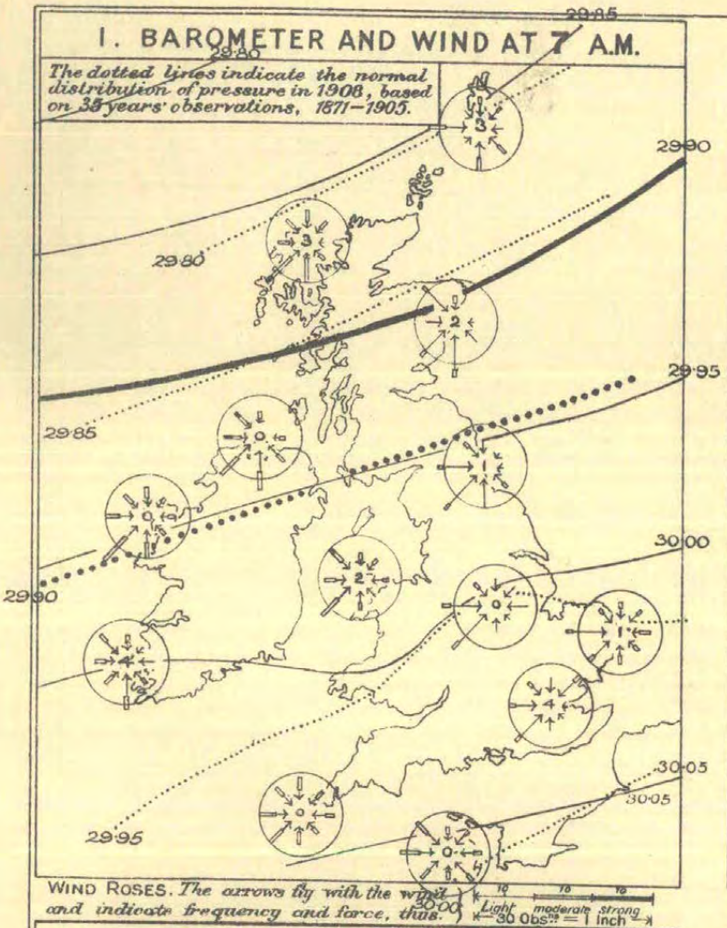
TABLE XXVI.

ANNUAL SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, at other STATIONS included in the MONTHLY SUMMARIES for the year 1908.

DISTRICT.		STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Date.	Max.	Date.	Earth T'mperature 1 ft.	Earth T'mperature 4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Most in a day. Date.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent	Diff. from Av.
			Ft.	Min. °	Max. °	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
0 SCOTLAND, N.		Balta Sound S	31	41·2	49·2	45·2	—	23	Dec. 27,28	66	{May 31 / July 1,22}	—	—	—	281	36·5	—	0·79	Sept. 9th	965	—	22	-
1. SCOTLAND, E.	§	Crathes S	140	39·0	54·0	46·5	—	16	Jan. 2nd	81	July 2nd	46·8	46·5	140	177	26·5	—	1·55	Oct. 19th	1237	—	28	—
	§	Stonehaven		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Balruddery S	276	39·4	54·2	46·8	—	16	{April 24 / Dec. 28}	81	{June 25 / July 2}	—	—	—	202	28·5	—	1·37	Mar. 24th	1328	—	30	—
	¶	Edinburgh	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1270	+ 114	29	+ 3
		West Linton S	800	37·8	51·0	44·4	- 0·8	10	Jan. 4th	78	{June 27 / July 2}	—	—	—	226	35·1	—	1·26	Jan. 7th	1181	—	27	—
2. ENGLAND, N.E.	¶	Alnwick Castle	210	40·6	54·4	47·5	+ 0·9	14	Dec. 30, 31	80	July 2, 22	—	—	—	184	23·6	- 8·0	1·26	Jan. 7th	—	—	—	—
		Newcastle-on-Tyne	152	42·8	54·3	48·6	—	19	Dec. 30th	81	July 22nd	—	—	—	195	20·0	- 7·4	0·80	July 8th	927	- 139	21	- 3
		Ampleforth	349	40·5	53·9	47·2	—	17	Dec. 30th	82	July 2nd	—	—	—	167	21·6	—	0·73	Mar. 6th	—	—	—	—
		Tealby	251	41·7	53·9	47·8	+ 0·2	13	Dec. 30th	79	Aug. 3rd	—	—	—	156	23·4	- 4·0	0·73	April 28th	—	—	—	—
	¶	Fulbeck	180	41·2	55·6	48·4	+ 0·4	23	Dec. 31st	85	July 2nd	—	—	—	189	20·3	- 3·4	0·72	July 14th	—	—	—	—
	§	Rauceby	124	40·9	55·8	48·4	—	10	Jan. 12th	83	June 4th	—	—	112	194	22·5	- 3·2	0·63	Aug. 31st	1498	—	34	—
3. ENGLAND, E.		Felixstowe	10	43·7	54·7	49·2	0·0	19	Dec. 31st	79	Aug. 4th	—	—	—	150	18·3	—	1·27	July 13th	1751	—	40	—
	¶ §	Rothamsted	424	40·9	55·6	48·3	+ 0·3	8	Dec. 31st	80	July 3rd	—	—	—	218	23·4	- 4·5	1·00	Mar. 25th	1639	+ 106	37	+ 2
		Shoeburyness	13	43·7	55·9	49·8	- 0·2	12	Dec. 31st	80	July 30th	—	—	—	153	18·0	- 1·6	0·98	July 12th	—	—	—	—
		Southend-on-Sea	100	43·9	56·3	50·1	—	18	Dec. 30th	82	Aug. 4th	51·4	—	106	127	18·6	- 2·7	1·20	July 12th	1727	—	39	—
4. MIDLAND COUNTIES	¶ §	Harrogate	476	40·3	53·2	46·8	+ 0·1	14	Dec. 30th	81	July 2nd	47·0	47·1	89	202	26·0	- 3·5	0·81	Mar. 25th	1353	—	31	—
		Bradford	330	41·0	53·5	47·3	—	13	Jan. 13th	82	July 2nd	48·1	48·8	—	221	29·2	—	1·15	Sept. 20th	1286	—	29	—
	¶	Cheadle M	646	40·8	53·8	47·3	+ 0·5	11	Dec. 30th	80	July 2nd	—	—	118	186	33·3	+ 0·5	2·78	June 3rd	—	—	—	—
	¶	Bawtry	65	40·6	56·0	48·3	+ 0·2	5	Dec. 30th	84	July 2nd	—	—	—	171	20·2	- 3·7	0·79	June 3rd	—	—	—	—
	§	Worksop M	56	40·5	56·4	48·5	+ 0·5	7	Dec. 30th	83	July 2nd	48·4	48·6	—	179	20·4	- 5·1	0·72	Mar. 25th	1228	- 24	28	0
		Kingston-on-Soar	125	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Rugby	379	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	¶	Raunds M	210	40·4	56·7	48·6	- 0·1	3	Dec. 30th	84	Aug. 3rd	—	—	—	180	22·2	—	0·87	Mar. 25th	—	—	—	—
		Winslow	379	41·3	55·4	48·4	—	7	Dec. 30th	82	July 30th	—	—	—	196	25·2	—	1·62	April 25th	—	—	—	—
	¶	Hereford M	291	41·5	56·6	49·1	+ 0·4	13	Jan. 5th	84	July 3rd	—	—	93	196	23·9	- 3·1	1·18	Oct. 18th				
	¶ §	Cirencester	446	40·1	55·4	47·8	+ 0·2	10	Dec. 30th	83	July 3rd	—	—	80	177	24·5	- 6·2	1·37	Aug. 31st	1441	- 67	33	- 1
5. ENGLAND, S.E.		Epsom	160	41·3	58·1	49·7	—	4	Dec. 30th	86	July 3rd	—	—	120	201	29·5	—	1·90	Jan. 7th	—	—	—	—
		Wokingham	216	39·2	57·0	48·1	—	5	Dec. 30th	83	July 3rd	—	—	—	154	23·1	—	1·10	Jan. 7th	—	—	—	—
		Maidenhead	99	41·3	58·9	50·1	—	0	Dec. 31st	88	{July 3rd / Aug. 3rd}	—	—	—	171	24·1	- 2·0	1·25	Jan. 7th	—	—	—	—
	¶ §	Marlborough	424	39·4	56·0	47·7	- 0·1	4	Dec. 30th	85	July 3rd	—	—	132	183	26·0	- 5·9	1·19	Jan. 7th	1486	+ 90	34	+ 2
		Bucklebury	409	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	¶	Swarraton M	310	40·7	56·1	48·4	+ 0·5	3	Dec. 30th	82	July 3rd	—	—	—	194	28·1	- 3·3	1·44	April 24th	—	—	—	—
	¶ §	Margate	35	45·2	55·8	50·5	+ 0·6	19	Dec. 30th	82	July 25th	49·5	50·0	29	164	21·1	- 2·1	0·97	July 12th	1623	+ 83	37	+ 2
		Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	159	23·7	—	1·38	July 12th	1784	—	40	—
		Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1814	—	41	—
	¶ §	Wisley	150	42·2	57·0	49·6	0·0	8	Dec. 30th	83	July 3rd	50·0	50·8	90	154	23·2	—	1·26	Jan. 7th	1644	—	37	—
	¶ §	Tunbridge Wells M	421	41·7	55·8	48·8	+ 0·3	15	Dec. 30th	82	June 4th	50·2	—	112	174	29·5	- 0·1	1·36	Jan. 7th	1797	+ 209	41	+ 5
		Folkestone	121	43·4	54·7	49·1	—	18	Jan. 11th	81	June 4th	—	49·6	—	—	—	—	—	—	1787	—	40	—
		Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1678	—	38	—
		Bexhill	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Hove		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Lewes	58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Worthing	36	44·0	56·1	50·1	+ 1·5	16	Dec. 30th	80	{June 3,4 / Aug. 7}	51·0	51·5	59	146	22·2	- 4·8	0·94	Aug. 23rd	1992	—	45	—
		Bognor	20	44·5	55·7	50·1	—	17	Dec. 30th	79	July 1st	—	51·6	55	181	22·4	—	1·03	Oct. 18th	1959	—	44	—
		Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1895	—	43	—
		Totland Bay	140	44·9	56·0	50·5	+ 0·7	16	Dec. 30th	82	June 4th	—	—	—	160	21·7	- 6·4	0·88	April 24th	1994	—	45	—
		Sandown	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Bournemouth	145	43·6	57·4	50·5	—	16	Dec. 30th	82	{June 4 / July 30}	50·6	51·3	—	163	24·1	—	0·86	Aug. 31st	1933	—	44	—
6. SCOTLAND, W.		Oban	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	¶	Thorntonhall (Lanarkshire)	440	39·9	52·9	46·4	—	13	Jan. 4th	82	July 2nd	—	—	94	208	37·4	—	1·07	Sept. 7th	1267	—	29	—
		Kilmarnock	90	42·1	54·5	47·8	+ 0·3	11	Jan. 4th	81	July 1st	—	—	—	200	39·7	—	0·97	Sept. 7th	1293	—	29	—
7. ENGLAND, N.W.		Carnforth	174	—	54·2	—	—	18	Dec. 30th	82	July 1st	—	—	89	206	39·4	—	1·40	{June 13 / Sept. 8}	1372	—	31	—
		Lancaster	311	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Burnley	459	40·9	53·4	47·2	—	12	Dec. 30th	84	July 2nd	47·3	47·6	105	193	37·5	—	1·27	Sep. 20th	1202	—	27	—
		Hoylake	30?	44·2	55·2	49·7	—	18	{Jan. 4,5 / Dec. 30}	80	July 2nd	—	—	66	182	28·3	—	1·10	July 16th	1562	—	35	—
		Rhyl	30	43·5	—	—	—	16	Jan. 4th	79	July 1st	—	—	—	192	26·5	+ 0·5	0·87	Mar. 24th	1696	—	38	—
	¶	Colwyn Bay	65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		Hawarden Bridge	22	42·9	55·6	49·3	- 0·2	14	Jan. 4, 5	81	July 2, 3	—	—	—	195	27·9	+ 3·3	1·22	April 28th	—	—	—	—
	§	Towyn	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	§	Aberdovey	22	46·5	55·6	51·1	—	23	Jan. 5th	83	July 2nd	—	—	—	217	40·4	—	1·60	July 9th	1578	—	36	—
8. ENGLAND, S.W.		Aberystwyth	59	47·8	55·1	51·5	—	23	Jan. 10th	80	June 28, 29	—	—	—	—	—	—	—	—	1396	—	32	—
		Haverfordwest	93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1609	—	36	—
		Tenby	79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1737	+ 51	39	+ 1
		Port Talbot	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1538	—	35	—
		Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	—	114	26·3	—	1·94	Aug. 31st	—	—	—	—
		" "	900	—	—	—	—	—	—	—	—	—	—	—	144	28·9	—	1·60	Aug. 31st	—	—	—	—
	¶	Cardiff	50	42·9	55·4	49·2	- 0·6	19	{Jan. 5 / Dec. 30}	83	July 3rd	50·2	50·4	68	213	34·5	- 8·2	1·74	Aug. 31st	1699	—	38	—
		Swansea	24	—	57·0	—	—	20	Jan. 5th	84	Aug. 8th	—	—	81	211	44·9	—	1·46	July 16th	—	—	—	—
	¶	Shaftesbury M	722	42·5	54·7	48·6	+ 0·7	17	Dec. 30th	80	July 3rd	50·2	—	—	171	22·7	- 10·8	0·93	July 16th	—	—	—	—
	¶	Arlington	613	42·9	55·2	49·1	+ 0·7	18	Jan. 5, 6, 11	83	July 3rd	—	—	—	220	44·9	- 8·1	2·02	July 16th	—	—	—	—

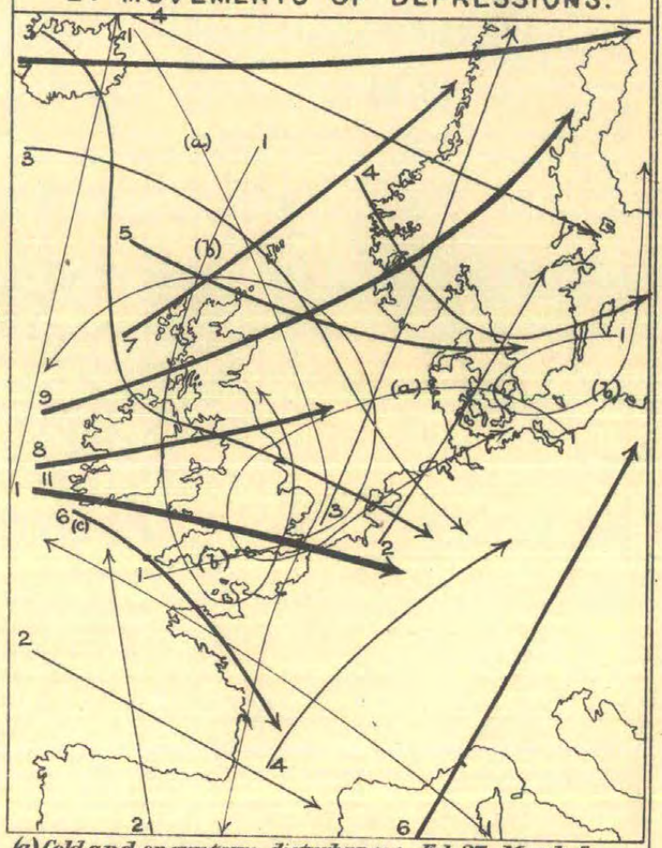
1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in 1908, based on 35 years' observations, 1871–1905.



WIND ROSES. *The arrows fly with the wind and indicate frequency and force, thus:* 1000 Obs.ns = 1 inch — Light, moderate, strong

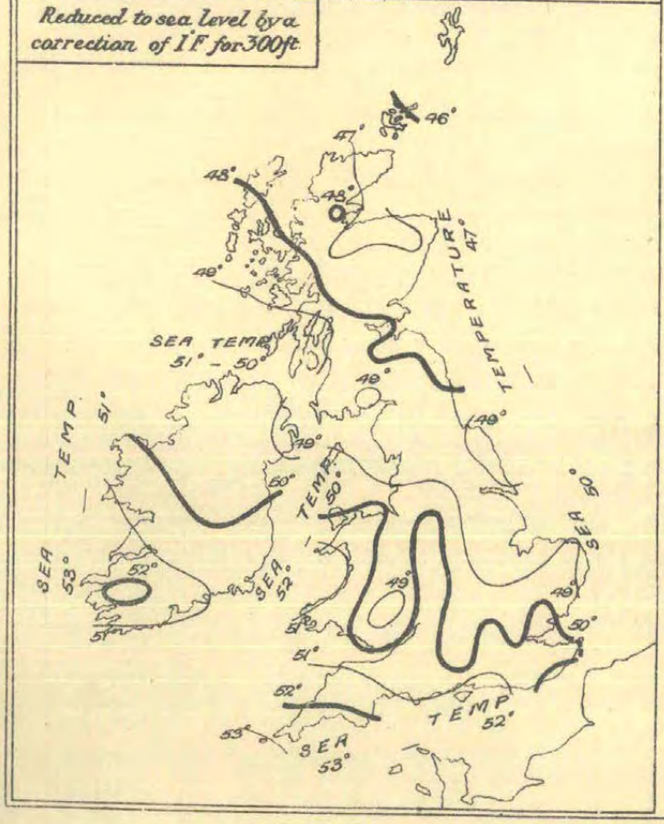
2. MOVEMENTS OF DEPRESSIONS.



(a) Cold and snowstorm disturbances, Feb 27–March 5.
(b) " April 19–26.
The path of the snowstorm of Dec 29th is included in the track (C).

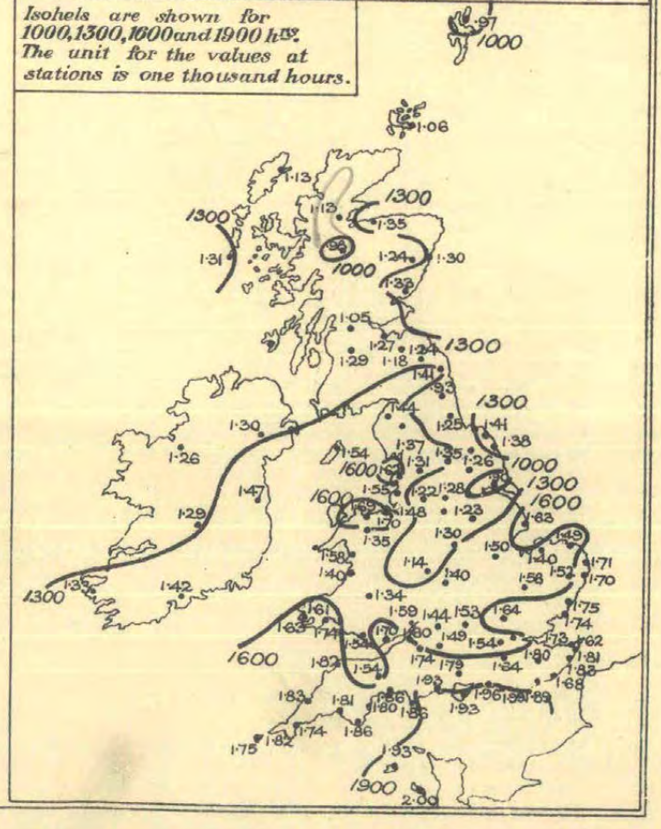
3. DISTRIBUTION OF MEAN TEMPERATURE.

Reduced to sea level by a correction of 1°F for 300ft.

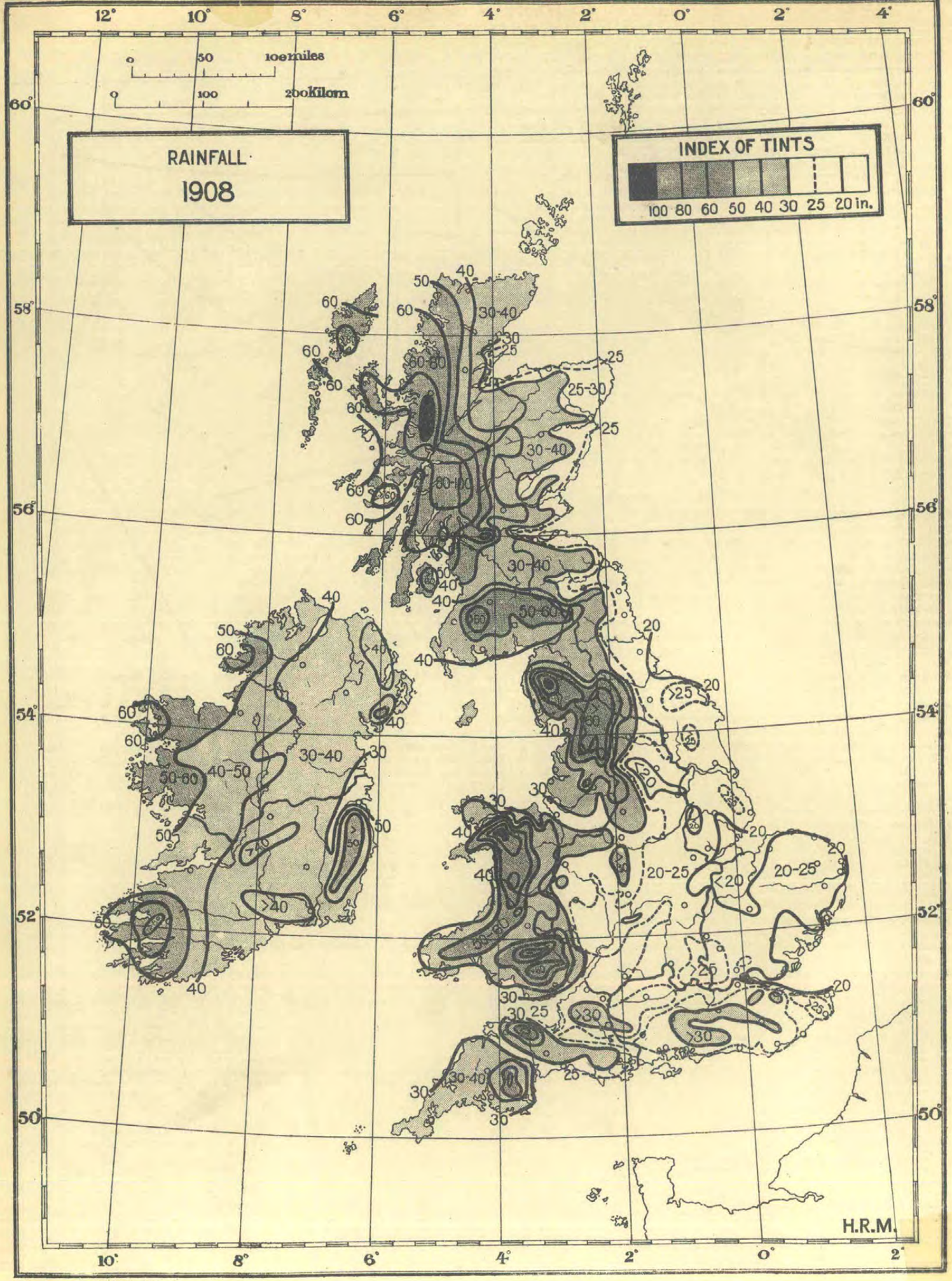


4. BRIGHT SUNSHINE, IN HOURS.

Isohels are shown for 1000, 1300, 1600 and 1900 hrs. The unit for the values at stations is one thousand hours.



Wyman & Sons, Ltd., Lith., London & Reading.



Scale 1 : 5,000,000.

TABLE XXVI—*continued.*

ANNUAL SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS included in the MONTHLY SMMARY for the year 1908.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE. Mean of A	Mean of B	Mean of A and B.	Diff. of Mean from Av.	Absolute Minimum and Maximum. Min.	Date.	Max.	Date.	Earth T'mperature 1 ft.	4 ft.	Gr'nd Frost. No. of Days.	RAIN AND OTHER FORMS OF PRECIPITATION. Number of Days.	Total Fall.	Diff. from Av.	Most in a day. Amt.	Date.	BRIGHT SUNSHINE. Total in Hours.	Diff. from Av.	Per Cent.	Diff. from Av.
		Ft.	° Min.	° Max.	°	°	°		°						Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%
¶ §	Cullompton – – 𝔐	202	42·7	58·3	50·5	+ 1·0	16	Jan. 11th	85	July 3rd	—	—	64	197	27·5	− 8·2	0·88	Dec. 10th	1535	+ 47	35	+ 1
	Torquay – – – –	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1797	+ 66	41	+ 2
8. ENGLAND, S.W.– (*continued*) §	Weymouth – – –	21	45·7	57·5	51·6	—	19	Dec. 30th	81	June 4, July 2, Aug. 7th	—	—	—	156	24·6	—	2·93	Oct. 21st	1857	—	42	—
	Newquay – – – –	100	47·3	56·0	51·7	+ 0·6	23	Jan. 3, 4	76	June 29th	52·4	—	—	176	24·5	−10·5	0·98	Oct. 17th	1832	+145	41	+ 3
	Salcombe – – – –	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1861	—	42	—
	Penzance – – – –	54	48·2	57·6	52·9	—	27	Jan. 4th	77	July 2nd	—	—	—	207	37·9	—	1·91	Dec. 28th	1815	—	41	—
9. IRELAND, N.	— — — —	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dublin (Glasnevin) – –	67	42·7	56·2	49·5	+ 1·0	15	Jan. 5th	78	Aug. 3rd	—	—	97	207	24·8	− 4·0	1·33	Aug. 20th	—	—	—	—
	Kingstown – – –	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Clongowes Wood College –	245	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S. – ¶	Kilkenny – – – –	212	42·7	56·5	49·6	+ 0·5	14	Jan. 5th	83	July 3rd	—	—	—	217	33·5	+ 0·2	1·72	Sept. 19th	—	—	—	—
¶	Cahir – – – 𝔐	199	43·4	56·5	50·0	+ 0·8	19	Jan. 5th	84	July 3rd	—	—	—	270	38·6	—	0·87	Sept. 19th	—	—	—	—
¶	Foynes – – – –	108	44·7	56·4	50·6	+ 1·2	22	Jan. 3, 5	81	July 3rd	—	—	—	285	40·1	+ 1·2	1·81	Sept. 8th	—	—	—	—
§	Ballinacurra – – –	34	44·1	57·0	50·6	—	24	Jan. 11th	82	July 4th	—	—	—	212	33·2	—	1·12	Oct. 20th	1422	—	32	—
11. ENGLISH CHANNEL ¶ §	Guernsey (Villa Carey) –	180	47·8	57·8	52·8	+ 1·0	28	Jan. 5th	79	June 3rd	—	—	—	185	24·9	−12·7	0·71	Feb. 16th	1976	+ 96	45	+ 2

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—On July 1st, 1908, the hour of morning observation at telegraphic reporting stations was changed from 8 a.m. to 7 a.m. Observations are now made at **7 a.m.** and **6 p.m.** G.M.T. at telegraphic reporting stations (**8 a.m.** and **8 p.m.** at **Oxford**), and at **9 a.m.** and **9 p.m.** mean local time, at normal climatological stations. The names of normal climatological stations are printed in clarendon type. In computing the annual values for pressure, temperature and humidity at telegraphic reporting stations, a suitable correction has been applied to the data for the months January to June to allow for the change in the hour of observation. Observations are taken at **9 a.m.** only, at **Brighton, Coventry, Portsmouth,** and **Llangammarch Wells**; at **9 a.m.** and **6 p.m.** at **Ventnor.**

Barometer.—The correction for latitude has not been applied to the readings quoted in the Tables. It is applied to the readings at sea level from which the chart showing the mean monthly distribution of pressure is prepared. The values given in the tables are for station level. They are the means of readings at 7 a.m. and 6 p.m., or at 9 a.m. and 9 p.m. respectively, except in the cases of the stations of which the names are printed in italic type, where they are the means of the observations at 9 a.m. The difference from average is based upon the 7 a.m. readings only, except in the cases of Kew, Greenwich, Aberdeen, Valencia and Falmouth (see below).

Rainfall.—The amounts are those for the 24 hours commenced at the time of morning observation.

Weather Phenomena.—The number of days of **Rain, Snow, Hail, Thunderstorm, Fog, Ground Frost,** and **Gale,** are counted irrespective of the hours at which the phenomena occur. Except in the cases of rainfall (see above) and ground frost the day is the civil day. A day is reckoned as a day of "**clear sky,**" if the average of the estimates of the "amount of cloud" at the two hours of observation is **less** than 2, and as an "**overcast**" day if the average is **greater** than 8. Days of **Ground Frost** are days on which the minimum thermometer on the grass falls to 30° or below; the "day" is taken as the 24 hours ending at 9 a.m.

Wind Summaries.—The results given under wind direction, and the number of observations of calms and of fresh or strong wind, are based on the observations at fixed hours taken twice a day. Where observations of wind are taken only once a day, the results for wind have been multiplied by 2, in order to render them more nearly comparable with those for other stations. At Ventnor the results are based on observations at 9 a.m. and 6 p.m. At Deerness, Aberdeen, Valencia, Falmouth, Kew, Glasgow, Stonyhurst and Armagh the wind observations are based on the records of a standard Robinson anemometer (factor 2·2). Velocities of between 13 and 38 miles in the hour have been entered as "fresh or strong winds," velocities of 39 miles in the hour, or above, as gales. These limits have been selected in accordance with the equivalents of the Beaufort Scale given in a Report by the Director of the Meteorological Office, entitled, "The Beaufort Scale of Wind Force ... ." Official No. 180.

Averages.—The averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. Monthly averages of pressure at telegraphic reporting stations for the epoch 8 a.m. are published in Appendix I. to the Daily Weather Report. In order to render these averages comparable with the data for the present month, a correction, based on the results for the four observatories as published in "Hourly Readings at the Observatories under the Meteorological Council," has been applied to each of them before the figures given in the column headed "Barometer—Difference from Average" were computed. At Tillypronie the averages of Temperature and Rainfall are for the 40 years 1866–1905.

Aberdeen, Falmouth, Kew, Valencia, Greenwich.—The figures quoted in the second line assigned to these observatories in the columns for Barometer and Mean Temperature are the true daily means computed from the hourly tabulations of the traces of the photographic recording instruments. For Kew, Falmouth, Aberdeen and Valencia the divergences of the means of the readings at 9 a.m. and 9 p.m. from their averages are also given.

Royal Observatory, Greenwich.—The averages for Temperature and Rainfall, with which the current values are compared, are for the 65 years, 1841–1905. The averages for sunshine are for the period 1897–1906. The earth temperatures are taken at a depth of 3 ft. 2 ins. The daily rainfall amounts are those for the 24 hours comprising the civil day. The number of days in the year which were persistently overcast from midnight to midnight was 7, the number of persistently cloudless days was 5, the number of persistently foggy days was 0.

Radcliffe Observatory, Oxford.—The figures given in the upper line are based on the observations taken at 8 a.m. and 8 p.m. and published in the Daily Weather Report, and they are compared with the averages for the 35 years 1871–1905 (pressure, mean temperature, and rainfall), or the 25 years 1881–1905 (sunshine).

The figures of the lower line are those prepared at Oxford for publication in the "Results of Meteorological Observations made at the Radcliffe Observatory." The values given in this line under the headings "Barometer," and "Dry and Wet Bulb Thermometers," are the means of observations at 8 a.m., noon, and 8 p.m., reduced to mean daily values by the application of monthly corrections based on observations during the period 1880–87. The value given under the heading "Cloud" is the mean of observations at 8 a.m., noon, and 8 p.m. The "Total Fall" is taken from the daily readings of the self-recording rain-gauge which correspond to the civil day ending at midnight. These values are compared with the averages for the 53 years 1855–1907 (pressure), and for the 93 years 1815–1907 (rainfall).

¶ § Mean Values for Districts.—The stations used in the Weekly Weather Report for the computation of "district values" of rainfall and temperature are distinguished by the sign ¶, those used for the computation of "district values of bright sunshine" by the sign §. These stations are distributed between Tables I. and II. The monthly mean values for districts given in this Report for maximum, minimum and mean temperature, duration of bright sunshine, number of rain days and amount of rainfall, are computed from the data for these "representative" stations. The mean temperature for districts is computed in the manner shown in the preface to this and previous volumes of the Weekly Weather Report. The monthly mean values for districts for "amount of cloud" are computed from the data for all stations included in Table I. The extreme values of the various elements in each district are printed in distinctive type. In the lines devoted to district values, the columns referring to absolute highest and absolute lowest temperature and the maximum amount of rainfall in a day contain the extreme values for the district at any station included in either table of the Report. The averages for districts with which the current values are compared are for the 25 years 1881–1905, as in the case of the corresponding values published in the Weekly Weather Report.

Meteorological Societies.—Information for stations marked 𝔐 is supplied by the Royal Meteorological Society, and that for stations marked **S** is supplied by the Scottish Meteorological Society. Stations marked S are in connexion with the Scottish Meteorological Society and those marked M with the Royal Meteorological Society, as well as with the Meteorological Office.

6. *Temperature.*—The *highest* temperatures of the year, those of 80° and upwards, occurred in each of the six months, May to October. The earliest record of 80° was at Leeds, on May 27th, a maximum of 81° being registered at Carlisle on the following day. This warm spell continued into the early days of June, 85° being reached at Southampton, Barnet and Whitby on the 4th. Another warm period set in towards the end of the month, with maxima of 85° and upwards, 87° at Carlisle on June 28th, and at Clifton and Camden Town, London, on July 3rd, and 91°, the year's highest value, at Dumfries on July 2nd. The last week of July and the first week of August had many high records, 84° at Epsom on July 30th, and at Cullompton and Raunds on August 3rd, and on the same day 88° at Maidenhead. September 18th to 20th were very warm in many localities, with maxima from 75° to 79°, but on the 29th a more remarkable increase of warmth occurred, 80° to 82° being registered at various stations on the next two days, while on October 1st a maximum of 84° occurred at Whitby, and 83° at the same place on each of the next three days. In the early and late months there were no exceptionally high records in the many and prolonged mild periods experienced. On the other hand there were occasions when the afternoon temperatures were very low, below the freezing point at a number of stations in the opening days of January, not exceeding 27° at Bettws-y-Coed and Woburn, 28° at Glasgow, Newton Rigg and Reading. More striking than these were the low maxima of Easter week, there being numerous instances below 40°, with 35° as far south as Oxford and Reading, 34° at Birmingham and Rugby, while Deerness did not pass above 30° on April 22nd. Even on the shores of the English Channel the day readings were unusually low, Totland Bay having 13 days, and Guernsey 11 days with maximum values below 50°, the latter having 43° on the 24th, and the former on the 25th. There were many low maxima during May; along the south coast between the 4th and the 15th most of the afternoon readings were from 51° to 54°. The lowest maxima occurred on December 29th and 30th, 25° and under at a number of places in England, 22° at the more inland stations.

The *lowest* night temperatures were experienced on December 30th, when there were very numerous minima below 20°, a considerable number of places in England falling below 10°, to 1° at Woburn, 0° at Maidenhead, and −1° at Liphook (Hants). In the first half of January there were a number of minima below 15°, as low as 10° at Balmoral, West Linton, Rauceby and Raunds. On April 24th and 25th the minima were unprecedentedly low for the season, several records being below 20°, down to 10° at Balmoral, and 9° at Garforth. Again on November 10th values below 20° were recorded by several observers, 10° at Wokingham. During the very warm spell at the end of September, and beginning of October there were a number of night minima of 60° and upwards, 64° at Leith, and 65° at Rhyl on September 30th.

The range of temperature for the year amounted to 88° at Maidenhead, 82° at Epsom, 81° at Marlborough and Raunds, 80° at Woburn, and 75° and upwards at several other stations in the inland parts of England and at Dumfries, while it was only 45° at Falmouth, 44° at Castlebay and Roche's Point, 43° at Balta Sound, 42° at Deerness and Sumburgh Head, and 41° at Scilly, this last-mentioned station being the only one in the Kingdom which did not register a frost in the shade, temperature not descending below 33°. (For distribution of Mean Temperature, *see* Map 3, p. cxxvii.)

7. *Bright Sunshine.*—The records of bright sunshine were in excess of the normal generally over the south-eastern, north-western, and south-western districts of England, most of the stations in the other districts receiving less than usual. Westminster had 220 hours more than the average, this favourable result being distributed over eleven months of the year, July alone returning a slight reduction on the normal. Llandudno had an excess of 235 hours, Bournemouth and Ventnor 210 hours, Tunbridge Wells 209 hours, Blackpool 206 hours, Woolacombe 196 hours, Brighton 194 hours, and Eastbourne 193 hours. On the other hand Stornoway returns a deficiency of 141 hours, Newcastle-on-Tyne 139 hours, Valencia 126 hours, and Deerness 118 hours. The largest aggregates were 2,001 hours (45 per cent. of the possible duration) at Jersey, 1,994 hours (45 per cent.) at Totland Bay, 1,992 hours (45 per cent.) at Worthing, 1,976 hours (45 per cent.) at Villa Carey (Guernsey), 1,959 hours (44 per cent.) at Bognor, 1,949 hours (44 per cent.) at Portsmouth, 1,933 hours (44 per cent.) at Bournemouth, Ventnor and Brooklyn (Guernsey), 1,932 hours (44 per cent.) at Eastbourne, and 1,925 hours (44 per cent.) at Brighton. There were five stations at which the year's totals were less than 1,000 hours. Manchester City 991 hours (22 per cent.), Fort Augustus 975 hours (22 per cent.), Balta Sound 965 hours (22 per cent.), Newcastle-on-Tyne 927 hours (21 per cent.), and Hull 895 hours (20 per cent.). (Map 4, p. cxxvii, shows the distribution of bright sunshine.)

8. *Fog.*—One of the most marked features of the year was the almost entire absence of any great fogs over the land. During the second half of January there was a good deal of fog, sometimes dense and lasting, in the main over the inland districts of England, but after that very little was reported until after the middle of September, when autumnal morning fogs of moderate density became rather frequent. They formed a striking accompaniment of the spell of very hot weather at the end of the month and in the early days of October, at times very thick in some localities. With the passing of the heat the fog frequency diminished, and from the middle of October to the close of the year the atmosphere over the country generally was remarkably free from fog.

There were very numerous well-defined periods of fog of more or less density on our coasts. From January 14th to 25th the weather along the shores of England was very foggy, Ireland and Scotland being but slightly affected. Nearly all sections of our coasts were visited during the first half of February. This spell was followed by a long period of clearer conditions, and it was not until April 27th that fog descended on nearly all coasts, thick in many places, and lasting until May 9th. There was again much fog from May 26th to June 4th, from June 22nd to July 8th, and from July 19th to August 4th, very dense on the English Channel round July 24th. For six weeks, down to September 16th, there were very few reports of fog. Then followed foggy spells from September 17th to October 20th, October 29th to November 7th, November 29th to December 7th, and the 14th to the 21st.

9. *Barometer.*—The mean distribution of atmospheric pressure for the whole year was in very close agreement with the normal, the values over the country generally being about 0·05 in. above the average (*see* Map 1, p. cxxvii.) In the absence of any areas of excessively high or of low pressure the extreme range of the barometer was appreciably less than it was during the previous year. Readings above 30·5 ins. were uncommon, but in the first week of February there were many instances above 30·7 ins., the highest values for the year being registered on the 6th, in Ireland, Blacksod Point, reporting 30·81 ins., Roche's Point 30·84 ins., and Valencia 30·86 in. Over northern Scotland the maximum readings were attained on April 16th, 30·64 ins. at Aberdeen, Nairn and Wick, and 30·65 ins. at Stornoway. Pressures below 29 ins., were not numerous, neither Scilly nor Valencia descending to this level throughout the year. February, the month in which the highest pressure occurred, was also the month having the lowest pressure, the barometer falling to 28·17 ins. at Sumburgh Head late in the evening of the 22nd, when Stornoway went down to 28·4 ins. On March 9th Wick reported a reading of 28·5 ins. No other values as low as these were observed during the year. At Sumburgh Head the range for the year was 2·44 ins., at Stornoway 2·25 ins., and generally over the north of Scotland and of Ireland it exceeded 2 ins. The smallest range was 1¾ in. at Scilly.

Unusually rapid oscillations of pressure were less frequent than in previous years. On February 14th, at Stornoway, the barometer fell 0·08 in. in one hour, and rose 0·19 ins. in an hour. During the great storm of February 22nd, Stornoway had a fall of 0·1 in. in an hour, Aspatria and Castlebay 0·26 in. in two hours, the latter station 0·57 in. in 5 hours, and H.M.S. *Monarch* at Kirkwall, 0·5 in. in 5 hours. On March 30th Leith had a fall of 0·04 in. in 20 minutes. The very singular rapid fluctuations which occurred on July 12th in various parts of southern England, were described in the Report for July. (*See also* British Association Report, 1908, Discussion on "Theory of Wave Motion.")

10. *Floods.*—As the result of the melting of the snow of the end of February and beginning of March great floods were experienced in Cumberland on March 8th, while the rapid thawing of the heavy snow which fell round April 25th resulted in disastrous floods in the Thames Valley. Heavy rains in the last week of March caused heavy floods in Northamptonshire and neighbouring counties.

11. *Aurora Borealis.*—Aurora was observed in each month from January to April, and September to December, mainly at northern stations. Only occasionally was the phenomenon reported as bright. No severe magnetic storm was experienced.

12. *Illuminated Night Sky.*—At the end of June and the beginning of July there was a very remarkable illumination of the northern sky for about two hours before and after midnight, when it was possible to read small print without the aid of artificial light. The phenomenon was witnessed over practically the whole of Europe.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1908.

Thirty-first Year.
VOL. XXV. [*New Series.*] } SPECIAL SUPPLEMENT. [*Price 4d.*

OBSERVATIONS IN THE UPPER AIR MADE DURING THE WEEK ENDING AUGUST 1st, 1908, IN CONNEXION WITH THE INTERNATIONAL ASCENTS ORGANISED BY THE INTERNATIONAL METEOROLOGICAL COMMISSION ON SCIENTIFIC AERONAUTICS.

LIST OF OBSERVING STATIONS.

Pyrton Hill, Oxon, W. H. Dines, F.R.S., for the Meteorological Office.

Crinan, N.B., W. H. Dines, F.R.S., for the Meteorological Office.

Glossop, The Howard Estate Meteorological Observatory, J. E. Petavel, F.R.S., T. V. Pring, W. A. Harwood, for the University of Manchester.

Petersfield, Ditcham Park, C. J. P. Cave, J.P.

Brighton, S. H. R. Salmon.

Limerick, Bird Hill, Captain C. H. Ley, for the Kite Committee of the Royal Meteorological Society and the British Association.

METEOROLOGICAL OFFICE,
December, 1908.

W. N. SHAW,
Director.

450 Wt 31 12/08 D & S 23 34063

A.—Registering Balloon Ascents.

Temperature in degrees Centigrade. Heights and distances in metric units.

Height Kilometres above M.S.L.	Temperature Centigrade.																		
	July 27th.				July 28th.				July 29th.						July 30th.		July 31st.			Aug. 1st.
	1. § Petersfield. 7.19 p.m.	2. § Crinan. 8.20 p.m.	3. Pyrton Hill. 8.20 p.m.	4. Limerick. 8.23 p.m.	5. § Petersfield. 7. p.m.	6. § Crinan. 8.20 p.m. 1st trace.	6. § Crinan. 8.20 p.m. 2nd trace.	7. § Glossop 8.23 p.m.	8. § Pyrton Hill. 8 p.m. 1st trace.	8. § Pyrton Hill. 8 p.m. 2nd trace.	9. Limerick. 8.19 p.m.	10. Glossop. 8.19 p.m.	11. § Crinan. 8.5 p.m. 1st trace.	11. § Crinan. 8.5 p.m. 2nd trace.	12. Glossop. 5.10 p.m.	13. § Pyrton Hill. 8·10 p.m.	14. § Crinan. 8.10 a.m. 1st trace.	14. § Crinan. 8.10 a.m. 2nd trace.	15. Manchester. 8.20 p.m.	16. Glossop. 8.21 p.m.
Ground Level.†	16°	16°	13°	16°	19°	12·5	12·5	12°	14°	5°	20°	14°	16°	10·5	15·5	17·5	13°	?	18°	13·5
0·5	12°	10°	10°	17·5	16·5	12°	10°	11°	12°	5°	15·5	14°	13°	9°	16°	17·5	8·5	6·5	14°	10·5
1·0	9·5	5·5	7°	14°	13·5	11°	8°	10°	8°	2°	15°	13·5	—	—	16°	16°	5°	3·5	10°	9°
1·5	6·5	—	6°	11°	9°	10°	5°	8°	6·8	2°	14·5	12°	‡	‡	15·5	11°	1·5	1·5	7°	8°
1·83	‡	- 2·5‡	—	—	—	—	—	—	6·8	2°	—	—	—	—	—	—	2·7‡	2·7‡	—	—
2·0	7°	1·5	3·5	9°	6°	7°	1·5	6°	—	—	11·5	9·5	9·5	7·5	14°	9°	—	—	5°	7°
2·2	—	—	—	—	4·5	—	—	—	—	—	—	—	—	—	—	—	1·5	1·5	—	—
2·5	5°	—	0°	7·5	4°	3°	- 2°	3·5	1·5	- 0·5	10·5	7°	6·5	4·5	10°	—	- 2°	- 4°	4°	6·5
3·0	4°	- 4·3	- 3°	5°	1°	1·5	- 4°	1°	1°	- 2°	5·5	5°	3·5	0·5	6°	2·5	- 3·7	- 7°	3·5	4·5
3·5	—	—	—	—	—	—	—	- 2°	—	—	—	2°	—	—	2°	—	—	—	3°	2°
4·0	- 4°	- 7·5	-10°	- 2·5	- 5·5	- 3°	- 9°	- 5°	- 4·5	- 8·5	0°	- 0·5	- 1°	- 4·5	- 2°	- 2°	- 6·5	-11·5	2°	- 1·5
4·5	—	—	—	—	—	—	—	- 7·5	—	—	—	- 3°	—	—	- 5°	—	—	—	1°	- 5°
5·0	-10·5	-13°	-18°	- 9°	-11°	-13°	-13°	-10°	-10°	-15°	- 5°	- 6°	- 7°	-11·5	- 9°	- 6°	-13°	-16°	- 1°	- 8·5
5·5	—	—	—	—	—	—	—	-13°	—	—	—	- 9°	—	—	-12·5	—	—	—	- 4°	-12°
6·0	-16·5	-20°	-23°	-16°	-19·5	-20°	-23°	-16°	-16°	-20°	-11°	-14°	-12·5	-18°	-16°	-14°	-19°	-23°	- 7°	-16°
6·5	—	—	—	—	—	—	—	-20°	—	—	—	-19°	—	—	-20°	—	—	—	-10°	-19°
7·0	-20·5	-27°	-31°	-24°	-29·5	-30°	-34°	-23·5	-22·5	-26·5	-17°	-21·5	-18°	-23·5	-24° *	-19°	-22°	-26°	-13·5	-22·5
7·5	—	—	—	—	—	—	—	-27·5	—	—	—	-25°	—	—	—	—	—	—	-16·5	-26·5
8·0	-28°	-33°	-37°	-31·5	-35°	-41°	-45°	-31·5	-30°	-35°	-25°	-30°	-24°	-30°	—	-24·5	-30°	-33°	-20°	-29·5
8·5	—	—	—	—	—	—	—	-35·5	—	—	—	-35°	—	—	—	—	—	—	-23°	-32·5
9·0	-35·5	-39°	-46°	-38·5	-42·5	-50°	-53°	-40·5	-37·5	-40°	-34°	-40°	-31°	-37°	—	-31·5	-35°	-39°	-27°	-35°
9·5	—	—	—	—	—	—	—	-45°	—	—	—	-44·5	—	—	—	—	—	—	-30°	-37°
10·0	-42°	-43°	-53	-39° ‡	-50°	-58°	-60°	-49·5	-46°	-49°	-41°	-48·5	-39°	-43°	—	-38°	-42°	-45°	-34°	-39·5
10·5	—	-45·5	—	—	—	-59°	-61·5*	-53·5	—	—	—	-52·5	—	—	—	—	—	—	-37·5	-42°
11·0	-49°	—	-59	—	-57°	-54·5	-55°	-56·5	-52°	-54°	-48°	-57°	-46°	-49·5	—	-44°	-46°	-48°	-41°	-45°
11·5	—	—	-60·5*	—	-59° *	—	—	-58° *	—	—	—	-61°	—	—	—	—	—	—	-45·5	-48°
11·7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-47°	-50·5*	—	—
12·0	-54·7	-45·5	-59°	-37·5	-58°	-54°	-54°	-58° *	-61°	-63°	-55°	-63° *	-51°	-53°	—	-50°	-48·5	-48·5	-49·5	-50°
12·5	—	—	—	—	—	—	—	-57°	—	—	—	-62°	—	—	—	—	—	—	-50° *	-52·5

13·0	−58· *	—	−57·5	—	−56·	—	—	−56·	−67·	−68·	−60·5*	−60·5	−54· *	−54· *	—	−58·	—	—	−49·	−54·
13·5	—	—	—	—	—	—	—	−55·5	—	—	—	−59·5	—	—	—	—	—	—	−48·5	−54·5*
13·7	—	—	—	—	—	—	—	—	−69· *	−69· *	—	—	—	—	—	—	—	—	—	—
14·0	−56·5	−43·	—	−39·5	−55·	−52·	−52·	—	−64·	−61·	−55· or −58·5	−58·5	−51·5	−51·5	—	−63·	−47·	−47·	−48·	−54·5*
14·5	—	−42·5	—	—	—	—	—	—	—	—	—	−58·	—	—	—	—	—	—	−47·5	−54·5*
15·0	−54·5	—	—	—	−55·	—	—	—	−60·	−60·	−52·5 or −55·	−57·5	—	—	—	—	—	—	−47·5	−54·
15·2	—	—	—	—	−55·	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15·3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	−69· *	—	—	—	—
15·5	—	—	—	—	—	—	—	—	—	—	—	−57·5	−51·5	−51·5	—	—	—	—	−47·	−53·
16·0	—	—	—	−40·5	—	—	—	—	—	—	−52·5	−57·	—	—	—	−65·	−46·5	−46·5	−47·	−52·
16·2	—	—	—	—	—	−50·5	−50·5	—	—	—	—	—	—	—	—	—	—	—	—	—
16·5	—	—	—	—	—	—	—	—	—	—	−49·	−57·	—	—	—	−61·	—	—	−47·	−51·
17·0	—	—	—	—	—	—	—	—	—	—	—	−57·	—	—	—	—	−44·	−44·	−47·	−50·5
17·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	−41·	−41·	—	−49·5
18·0	—	−45·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19·0	—	—	—	−41·5*	—	—	—	—	−57·	−57·	—	—	—	—	—	—	—	—	—	—
22·0	—	−45·5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23·0	—	—	—	—	—	—	—	—	−52·	−52·	—	—	—	—	—	—	—	—	—	—
Balloon fell kms. distant.	183	225	158	91	145	101		80	87		108	105	138		99	119	222		179	189
Direction	N 44° W	NE	NE	E by N	S 10° E	ESE		SE	S		E	ESE	E 17° N		E by S	E 26° S	SE		SE	SSE
Surface wind veloc. in metres per second	—	—	—	—	—	—		NW 4	—		—	WNW, 1	—		WNW, 4	—	—		SW by W, 3	WNW, 6
Barometer reading in mms.	—	—	—	—	—	—		772·3	—		—	772·4	770·0		769·9	—	—		770·5	769·9
Average temperature gradient in °C per 100 metres (0–8 kms).	0·5	0·6	0·6	0·6	0·6	0·7		0·5	0·6		0·5	·5	0·5		(0–7 kms.) 0·6	0·5	0·5		0·5	0·5

* Lowest. † Petersfield, 170 metres ; Crinan, 5 metres ; Pyrton Hill, 150 metres ; Limerick, 70 metres ; Glossop, 340 metres ; Manchester, 38 metres. ‡ Beginning of inversion. § *See* also Table B., pp. 4, 5.

1. Theodolite observations to 8,500 metres. Inversion in second kilometre, 7°·0 at 1·6 kms. *See* also Table B., No. 3.
2, 3. The ascent and descent traces are almost identical ; the mean is taken. Heights reaching 20 kms. and over are extremely uncertain, as a very small difference in the pressure registered makes a great difference in the calculated height. The height in ascent No. 2 certainly exceeded 21 kms., and may have reached 23 or 24 kms. Inversion in No. 2 in second kilometre, 0°·5 at 1·6 kms. *See* also Table B., No. 5.
4. Very distinct trace, with up and down marks almost identical.
5. Found on August 1 floating in Channel. Theodolite observations to 13,000 metres. *See* also Table B., No. 6.
6. Remarkable gradient from 4 to 10 kms. *See* also Table B., No. 9.
7. *See* also Table B , No. 10.
8. Unusual inversion, but the trace is quite distinct, and the time after sunset. *See* also Table B., No. 16.
9. A particularly good trace, the lines cross in the isothermal region showing that differences of temperature may occur in short times at that level.
11. Air temperature at start, 15° C. Good trace. There is little doubt that the lower temperatures were marked during the descent. Inversions in second kilometre ; first trace, 10°·5 at 1·15 kms., 9°·5 at 1·6 kms., 10°·5 at 1·7 kms. Second trace, 7° at 1·35 kms., and at 1·66 kms., 8°·5 at 1·78 kms. *See* also Table B., No. 17.
13. Up and down trace almost identical. The heights depend on calibrations made before the ascent, as the aneroid box was damaged. *See* also Table B., No. 23.
14. Isothermal from 6,350 to 6,650 metres. The sharp rise of temperature in the last 500 metres is perhaps due to insulation. *See* also Table B., No. 24.

B.—Pilot Balloon Ascents.

Wind direction and velocity, miles per hour. Heights and distances in metric units. One mile per hour = 0·45 metre per second.

Height, metres.	July 27th.					July 28th.					July 29th.						
	1. Limerick. 6.25 a.m. to 6.59 a.m.	2. Glossop. 2.43 p.m. to 3.21 p.m.	3. § Petersfield. 7.19 p.m.	4. Pyrton Hill. 8.0 p.m.	5. § Crinan. 8.20 p.m.	6. § Petersfield. 7.0 p.m.	7. Limerick. 7.0 p.m. to 7.31 p.m.	8. Pyrton Hill. 8.0 p.m.	9. § Crinan. 8.20 p.m.	10. § Glossop. 8.23 p.m. to 8.40 p.m.	11. Petersfield. 9.27 a.m.	12. Glossop. 4.11 p.m. to 4.23 p.m.	13. Petersfield. 5.3 p.m.	14. Limerick. 6.25 p.m. to 7.0 p.m.	15. Petersfield. 7.0 p.m.	16 § Pyrton Hill. 8.0 p.m.	17. § Crinan. 8.5 p.m.
Ground Level.	SW, —	SW by S, 9	W 10° S, 9	WNW, 7	SW, Light	—	W by N, —	N by E, 10	WSW, Light.	NW, 10	N 30° E, 12	W, 5	N 5° W, 7	W by S, —	N, 11	NE, 5	Calm
500	W by S, —	SW, 8	W 30° N, 9	WNW, 16	SW by W, 7	—	W by S, —	—	WSW, 6	NW by N, 14	N 15° E, 18	W, 7	N 5° E, 8	SW, —	N, 11	N, 7	WSW, 12
1,000	WSW, 16	W by S, 14	—, 4	W by S, 6	—	—	W, 8	—	—	NNW, 10	N 30° W, 14	WNW, 5	N 25° E, 8	WSW, 48	N 10° E, 9	NNW, 13	—
1,500	WSW, 21	W, 6	S 30° W, 4	SW, 20	—	—	W by N, 12	—	—	NW by N, 5	N 15° E, 14	S by E, 7	N 5° W, 6	WSW, 37	N 10° E, 9	N, 7	—
2,000	SW by W, 28	W by S, 9	S 20° W. 16	SW by S, 15	—	N 30° W, 5	WNW, 10	NNW, 12	—	NW by W, 9	N 15° E, 12	—	N 5° E, 15	W by S, 31	N 25° E, 12	N, 9	—
2,500	SW, 37	W by S, 28	S 30° W, 15	SW, 10	—	N 15° W, 13	W by N, 13	—	—	N by W, 15	N 20° E, 14	—	N 10° E, 15	W by S, 43	N 20° E, 12	N by W, 18	—
3,000	SW, 43	WSW, 22	S 40° W, 14	SW by W, 14	—	N 25° W, 13	WNW, 14	—	—	N by W, 17	N 20° E, 18	—	N 15° E, 14	W by S, 31	N 10° E, 14	N by W, 16	—
3,500	SW by W, 29	—	S 35° W, 14	SW, 17	—	N 25° W, 14	WNW, 14	—	—	NNW, 13	N 10° E, 18	—	N 25° E, 14	W by S. 40	N, 14	N, 16	—
4,000	SW by W, 47	—	S 35° W, 17	SW by S, 24	—	N 25° W, 15	—	—	—	—	N 15° E, 11	—	N 5° W, 16	W by ½ S, 40	N 5° E, 16	N, 24	—
4,500	WSW, 42	—	S 25° W, 17	SW by S, 30	—	N 20° W, 17	—	—	—	—	—	—	N 5° W, 14	W, 44	N 10° E, 24	—	—
5,000	—	—	S 25° W, 27	SW by S, 31	—	N 10° W, 27	—	—	—	—	—	—	N, 19	W by ½ N, 54	N 5° E, 26	—	—
5,500	—	—	S 35° W, 30	—	—	N 15° W, 34	—	—	—	—	—	—	—	W by ½ N, 54	N 5° E, 20	—	—
6,000	—	—	S 40° W, 40	—	—	N 5° W, 32	—	—	—	—	—	—	—	WNW, 22	N 5° E, 18	—	—
7,000	—	—	S 30° W, 48	—	—	N 10° W, 40	—	—	—	—	—	—	—	—	N 5° E, 23	—	—
8,000	—	—	S 35° W, 50	—	—	N, 51	—	—	—	—	—	—	—	—	N 25° E, 30	—	—
9,000	—	—	—	—	—	N 5° W, 54	—	—	—	—	—	—	—	—	N 15° E, 31	—	—
10,000	—	—	—	—	—	N 10° W, 50	—	—	—	—	—	—	—	—	N 15° E, 43	—	—
11,000	—	—	—	—	—	N 20° W, 46	—	—	—	—	—	—	—	—	N 5° E, 46	—	—
12,000	—	—	—	—	—	N 25° W, 32	—	—	—	—	—	—	—	—	N 5° E, 48	—	—
13,000	—	—	—	—	—	N 50° W, 8	—	—	—	—	—	—	—	—	N 10° W, 30	—	—

§ *See* also Table A., pp. 2, 3.

1. Pilot and Satellite 9·4 m. apart. After 2,500 metres measurements on assumed constant vertical velocity. Balloon burst. Clear sky early.
2, 10, 12. Pilot balloons observed through two theodolites.
3. Registering balloon. Two theodolites for 5 minutes; subsequent rate of ascent of 3·9 metres per second assumed. *See* also Table A., No. 1.
4, 8, 16. Registering balloons watched through one theodolite

No. of Ascent	4	8	16
Free lift	282	295	295 grammes.
Rate of ascent (assumed)	3·13	3·16	3·21 metres per second.

5. Lost in clouds at 2,600 ft. *See* also Table A., No. 2.
5, 9, 17. Registering balloons observed through one theodolite. In each case a free lift of 284 grammes was given to the balloon, and an ascensional velocity of 3·31 metres per second was assumed.
6. Registering balloon. Two theodolites for 32 minutes, subsequent rate of ascent of 3·9 metres per second assumed. *See* also Table A., No. 5.
7. Pilot and Satellite 10·6 m. base. Clear evening after cloudy day. Balloon burst. Velocity of fall for 4 minutes 1·58 metres per second.
9. Lost in clouds at 0·85 km. *See* also Table A., No. 6.
10. *See* also Table A., No. 7.
11, 13. Pilot balloon; one theodolite. Uniform rate of ascent of 2·55 metres per second assumed.
14. Pilot and Satellite 9·4 m. base. Cloudy day (stratus) with clear evening (cirrus). Entered cirrus cloud at 6,300 metres. Strong Westerly middle current falling off at cirrus level.
15. Registering balloon. Two theodolites for 57 minutes. Balloon seen to burst.
16. *See* also Table A., No. 8.
17. Lost in clouds at 0·55 km.

B.—Pilot Balloon Ascents—*continued.*

Wind direction and velocity, miles per hour. Heights in metric units. One mile per hour=0·45 metres per second

Height, metres.	July 30th.						July 31st.						August 1st.			August 2nd.	
	18. Petersfield. 8.6 a.m.	19. Petersfield. 12.36 p.m.	20. Limerick. 5.50 p.m. to 6.30 p.m.	21. Petersfield. 7.0 p.m.	22. Crinan. 8.9 p.m.	23. § Pyrton Hill. 8.10 p.m.	24. § Crinan. 8.10 a.m.	25. Pyrton Hill. 10.30 a.m.	26. Limerick. 5.30 p.m. to 6.9 p.m.	27. Petersfield. 7.0 p.m.	28. Pyrton Hill. 8.10 p.m.	29. Crinan. 8.12 p.m.	30. 8.10 a.m.	31. Petersfield. 5.53 p.m.	32. 7.5 p.m.	33. Petersfield. 5.34 p.m.	34. Petersfield. 7.30 p.m.
Ground Level.	W, 5	N 60° W, 6	W by N, —	W 5° S, 14	W, (21)	W, 10	W, (21)	NNW, 9	W by N, —	N 5° W, 11	N by W, 11	WNW, (21)	N 5° W, 11	N 10° W, 9	N 15° W, 15	S 5° E, 8	S 55° W, 3
500	N 80° W, 10	N 75° W, 6	WNW, 11	W 20° N, 14	W by N, 33	NW by W, 16	NW by W, 30	NNW, 19	NW, —	N 5° W, 11	NNW, 15	WNW, 31	N 10° E, 15	N 10° W, 12	N 10° W, 19	N 5° W, 6	N 45° E, 7
1,000	N. 85° W, 3	N 75° W, 6	WNW, 21	W 15° N, 18	WNW, 43	WNW, 18	NW, 30	NW, 15	NW, 11	N, 10	NW, 17	WNW, 28	N, 13	N 15° W, 10	N 10° E, 11	N 15° E, 16	N 25° E, 15
1,500	N 35° W, 11	N 50° W, 6	W by N, 28	W 15° N, 18	—	W by N, 16	—	NW by N, 20	NW by N, 25	N, 9	NW by N, 12	—	N 20° W, 26	N 5° E, 24	N 5° E, 16	N 15° E, 24	N 30° E' 18
2,000	N 5° W, 12	N 30° W, 9	W by N, 29	W 15° N, 14	—	W, 23	—	NW, 20	NNW, 29	N 25° W, 11	NW by W, 6	—	N 20° W, 24	N, 29	N 5° W, 27	N 30° E' 30	N 35° E, 29
2,500	N 10° E, 16	N 40° W, 12	W by N, 37	W, 17	—	WNW, 26	—	NW, 25	NW by N, 43	N 30° W, 16	NW by N, 32	—	N 15° W, 23	N 5° E, 33	N, 29	N 25° E, 30	N 30° E, 28
3,000	N, 19	N 40° W, 16	W by N, 37	W 5° N, 25	—	WNW, 18	—	NW, 35	NNW, 47	N 30° W, 26	NW by N, 45	—	N 10° W, 32	N 5° W, 30	N 10° W, 31	N 20° E, 29	N 25° E, 28
3,500	N, 17	N 40° W. 18	WNW, 76	W 15° N, 31	—	—	—	NW by W, 32	NNW, 46	N 30° W, 36	—	—	[N 15° W, 34]	N 5° W, 34	N 5° W, 35	N 15° E, 32	N 25° E, 27
4,000	N 15° W, 18	N 45° W. 12	W, 52	W 30° N, 30	—	—	—	—	NW, 44	N 40° W, 43	—	—	—	N, 40	N, 41	N 10° E, 35	N 15° E, 28
4,500	N 5° W, 12	—	W, 63	W 25° N, 20	—	—	—	—	NW, 60	N 45° W, 48	—	—	—	—	—	—	N 10° E, 33
5,000	N 10° W, 20	—	W by ½ N, 49	W 35° N, 22	—	—	—	—	NW, 60	N 50° W, 48	—	—	—	—	—	—	—
5,500	[N 5° W. 20]	—	W, 44	W 40° N, 26	—	—	—	—	NW, 46	N 50° W, 46	—	—	—	—	—	—	—
6,000	—	—	—	W 40° N, 32	—	—	—	—	—	N 50° W, 49	—	—	—	—	—	—	—
7,000	—	—	—	W 25° N, 28	—	—	—	—	—	N 55° W, 45	—	—	—	—	—	—	—
8,000	—	—	—	W 30° N, 24	—	—	—	—	—	N 40° W, 55	—	—	—	—	—	—	—
9,000	—	—	—	W 40° N, 30	—	—	—	—	—	N 45° W, 70	—	—	—	—	—	—	—
10,000	—	—	—	W 35° N, 26	—	—	—	—	—	N 50° W, 65	—	—	—	—	—	—	—
11,000	—	—	—	W 45° N, 32	—	—	—	—	—	N 55° W, 74	—	—	—	—	—	—	—
12,000	—	—	—	—	—	—	—	—	—	N 55° W, 72	—	—	—	—	—	—	—
13,000	—	—	—	—	—	—	—	—	—	N 45° W. 60	—	—	—	—	—	—	—

18, 19, 30-34. Pilot balloon ; one theodolite. Uniform rate of ascent of 2·55 metres per second assumed.
20. Pilot and Satellite 10·6 m. base. Similar conditions to No. 14, but more northerly current. Very strong middle current, falling off at cirrus level.
21. Registering balloon. Two theodolites for 39 minutes. Subsequent rate of ascent of 3·9 metres per second assumed.
22. Lost in clouds at 1·4 km.
22, 24, 29. Registering balloons observed through one theodolite. In each case a free lift of 10 ozs. was given to the balloon, and an ascensional velocity of 3·31 inches per second was assumed.
23, 25, 28. Registering balloons watched through one theodolite

No. of Ascent	23	25	28
Free lift	292	264	285 grammes.
Rate of ascent (assumed)	3·16	3·12	3·09 metres per second.

23. *See* also Table A., No. 13.
24. Lost in clouds at 1·1 km. *See* also Table A., No. 14.
26. Pilot and Satellite 10·6 m. base. Similar conditions to No. 20, but less cloud and more northerly current. Strong middle current falling off as before.
27. Large balloon ; no instrument. Two theodolites for 30 minutes ; subsequent rate of ascent of 5·10 metres per second assumed. About 53 kms. distant when seen to burst.
29. Lost in clouds at 1·4 km. moving from N.W. by W.

C.—Kite Ascents.

Temperature (Degrees F.), Humidity (Per Cent.), and Wind Direction and Velocity (Miles per Hour).

No.	Date of Observation.	Station and its height above M.S.L.		Ground Level.	At 100 metres above Ground.	Height in Metres above Mean Sea Level. 500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)	At Greatest Height.	Remarks.
	1908.										Metres.	
1	July 27th, 2.55 p.m. to 4.15 p.m.	Brighton, 116 m.	Temperature Humidity .. Wind	65° 73% WSW, 8	62° 63% WSW, 10	61° 63% WSW, 10						Clear sky. Wind very weak but steady.
2	July 28th, 10.52 a.m. to 1.35 p.m.	Howard Estate, Glossop, 340 m.	Temperature Humidity .. Wind	61° 72% NW, 11	58° 73% NW by N, 15	57° 74% NW by N, 17	49° 82% NW by N, 21				45° 83% NW by N, 19 — 1,230	Fine, bright, warm. Gentle steady breeze. Cloud level not reached.
3	July 28th, 11.55 a.m. to 12.50 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind	72° 60% NNW, —		64° 70% N by W, 23					63° 70% N by W, — — 670	Too little wind to keep kite at 100 metres above ground level.
4	July 28th, 4.40 p.m. to 6.30 p.m.	Brighton, 116 m.	Temperature Humidity .. Wind	71° 60% N, 8	66° 60% N, 15	62° 60% N, 15					57° 60% N, 20 — 850	Almost clear sky. Storm cu. on eastern horizon.
5	July 29th, 9.45 a.m. to 12.20 p.m.	Brighton, 116 m.	Temperature Humidity .. Wind	66·5° 62% N, 6	60° 60% N by E, 15	54° 70% N by E, 12					51° 70% N by E, 15 — 880	Clear sky with occasionally a little haze and few fracto-cu. Wind very fitful.
6	July 30th, 12.28 p.m. to 2.58 p.m.	Howard Estate, Glossop, 340 m.	Temperature Humidity .. Wind	62° 88% W, 9	59° 98% W by N, 19	58° 96% W by N, 23	55° 90% W by N, 35	52° 88% W by N, 34	50° 88% W by N, 35		50° 86% W by N, 36 — 2,150	Fine bright morning Mist and rain later. Light variable breeze. Clouds at 1,600 ft.
7	July 30th, 3.10 p.m. to 3.50 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind	80° 46% W, —	77° 49% W, 20	74° 59% W, 25					72° 59% W, — — 580	Clear sky, except for cirrus.
8	July 31st, 10.52 a.m. to 12.0 p.m.	Howard Estate, Glossop, 340 m.	Temperature Humidity .. Wind	58° 75% NW, 11	54° 75% NW by N, 19	53° 76% NW by N, 22					48° 77% NW by N, 30 — 700	Fine, dull, overcast. Fresh breeze, variable.
9	July 31st, 11.35 a.m. to 1.0 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind	71° 55% N by W, 12		62° 65% N by W, 20					61° 70% N by W, 20 — 760	Clear sky, few small cumulus. Too little wind to keep kite at 100 metres.
10	July 31st, 4.6 p.m. to 5.36 p.m.	Howard Estate, Glossop, 340 m.	Temperature Humidity .. Wind	56° 75% NW, 10	54° 76% NW by N, 16	53° 76% NW by N, 20	48° 76% NW by N, 26				44° 78% NW by N, 25 — 1,140	Fine, warm, sunny. Gentle breeze, variable.
11	August 1st, 11.50 a.m. to 1.10 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind	69° 60% NNW, 12	66° 65% NNW, 20	62° 75% NNW, 20					62° 70% —, 20 — 730	Cumulus. The kite rose to its highest point in a very strong convection current, and the temp., etc., at the top applies to this current.
12	August 1st, 10.15 a.m. to 2.50 p.m.	Howard Estate, Glossop, 340 m.	Temperature Humidity .. Wind	57° 75% NW by N, 19	55° 75% NNW, 13	54° 77% NNW, 16	44° 86% NNW, 22				45° 80% NNW, 23 — 1,310	Dull, overcast morning; bright sunny afternoon. Moderate breeze. Cloud level, 1,200 metres. Temp. inversion at 1,100 metres.

Apparatus used in the Kite or Balloon Ascents.

No. of Ascent.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
No. of Kites	3	2	1	2	2	1	1	1	1	1	1	2
Area of Surface (sq. ft.)	119	154	83	103	103	77	83	—	83	77	83	154
Length of Wire (feet)	3,600	7,450	3,000	5,000	4,300	10,000	2,150	?,150	3,300	4,500	3,700	6,600

Brighton 380 ft., Glossop 1,100 ft., Pyrton Hill 500 ft.