

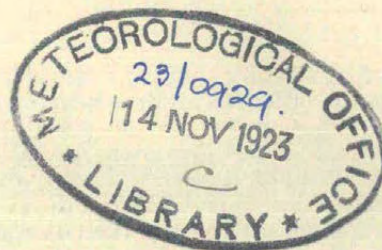
M-1910



Scale 1:5,000,000.

The heights of the stations above Mean Sea Level are inserted against the positions, and will serve to identify the names of the stations as given in the List of Stations on pp. IV. and V.

FOR OFFICIAL USE.



THE
MONTHLY WEATHER REPORT

OF THE
METEOROLOGICAL OFFICE
FOR THE YEAR
1910

ISSUED AS A SUPPLEMENT TO THE
WEEKLY WEATHER REPORT
(VOL. XXVII.-NEW SERIES)

AND FORMING
PART II. OF THE BRITISH METEOROLOGICAL YEAR BOOK, 1910.

Published by the Authority of the Meteorological Committee.

PREFACE.

The Monthly Weather Report is issued as a supplement to the Weekly Weather Report and is included in the subscription to the latter. The Report gives a complete resumé of the observations dealt with each month at the Meteorological Office, and takes the place of the summaries printed up to the end of 1907 in Parts II. and III. of the annual volumes of "Observations at Stations of the Second Order" as well as the old "Monthly Summary" to the Weekly Weather Report. Monthly Summaries for a number of additional stations will be found in the "Meteorological Record" issued by the Royal Meteorological Society or in the Journal of the Scottish Meteorological Society. The summaries given in the latter are also printed in the Quarterly Reports of the Registrar General for Scotland. The Meteorological data in the Quarterly Reports of the Registrar General for England and Wales and for Ireland are abstracted from the Monthly Weather Report. Additional information as to rainfall is to be found in the annual volumes of "British Rainfall."

MONTHLY SUMMARIES FOR YEARS 1869 TO 1907.

Monthly summaries of observations made at stations in connexion with the Meteorological Office were first published in 1869 in the "Quarterly Weather Report," a publication issued for each of the years 1869 to 1880.

Stations of the Second Order. (*Normal Climatological Stations*). A permanent Meteorological Committee was appointed by the Congress of Official Delegates which met in Vienna in 1873, and at a meeting held in Utrecht in 1874 prescribed an international form for the publication of observations from Stations of the Second Order. Summaries in this form have been published for each year from 1873 to 1907 in the annual volumes of "Observations at Stations of the Second Order." For the years 1873 to 1876 these volumes formed an appendix to the "Quarterly Weather Report." For the years 1876 to 1880 inclusive the summaries were printed month by month in the Quarterly Report, and also in the annual volumes referred to above. The summaries for 1908 are printed in the Monthly Weather Report of that year.

Telegraphic Reporting Stations. Summaries of the observations at the hour of morning observation (8 a.m. G.M.T.) at these stations were published in international form for the years 1876 to 1880 inclusive in the "Quarterly Weather Report." The corresponding summaries for the years 1881 to 1883 (inclusive) have not been issued. For the years 1884 to 1887 the summaries were printed in the "Monthly Weather Report," which also contains abridged summaries for the remaining stations included in the Weekly Weather Report. In 1888 the Monthly Weather Report was merged in the Weekly Weather Report to which it formed a supplement (Monthly Summary). The scope of this supplement has been successively enlarged. In 1902 full summaries for a few normal climatological stations were added. In the following year, 1903, an annual summary was issued for the first time. In 1906 the form was extended so as to include both the morning and the evening observations, and a column was added giving for each month the number of days of fog. At the close of 1907 the publication included results for all stations in connexion with the Office, either directly or through the Royal Meteorological Society or the Scottish Meteorological Society, for which monthly summaries are prepared. In the same year the title "Monthly Weather Report" was revived.

The observations on which these statistics are based have been carried out on a uniform plan, and the results form a homogeneous series as far as that is possible. Particulars of the methods adopted in taking the observations are given in the "Observer's Handbook." Attention is here drawn to the fact that a change was made at the commencement of 1906 in the method of computing the number of days of gale. Up to the end of 1905 wind-force 7 on the Beaufort scale was regarded as the lower limit for a "gale" but in January, 1906, when a revised scale of velocity equivalents of the Beaufort numbers was brought into use, force 8 was adopted for this limit in order to bring the results into conformity with the uninterrupted practice of the Office in relation to the service of storm warnings. At stations for which summaries are supplied by the Royal Meteorological Society (marked \mathcal{R} in the reports) the number of days of gale are computed with reference to force 8, but the results are based on observations at 9 a.m. and 9 p.m. only, whereas at other stations a "day of gale" is one on which a wind of force 8 or above occurred at any time during the 24 hours. Another break in continuity was introduced by the change in the hour of morning observations from 8 a.m. G.M.T. to 7 a.m. at telegraphic reporting stations on July 1st, 1908. At normal climatological stations the hours 9 a.m. and 9 p.m. have been adhered to.

THE MONTHLY WEATHER REPORT FOR 1910.

Additional Observations in the early Afternoon. Advantage was taken of the change in the hour of observing at telegraphic reporting stations from 8 a.m. to 7 a.m., referred to in the Report for 1908, to arrange for regular observations at 7 a.m., 1 p.m., and 9 p.m., at a number of these stations. This combination of hours is among those recognised by the Committee appointed by the Congress of Vienna as suitable for use at stations of the second order. Space has been provided in the Reports for 1910 for summaries of the observations taken at

these three epochs. In view of the importance of an observation in the early afternoon for the adequate representation of an element such as humidity which exhibits conspicuous diurnal variations, summaries of the observations taken at 1 p.m. at those telegraphic reporting stations at which there was difficulty in arranging for an observation at 9 p.m. are also printed. The hours of observation at these stations are accordingly 7 a.m., 1 p.m., and 6 p.m. The observers at several normal climatological stations have co-operated in the endeavour to give a more adequate representation of the distribution of humidity by contributing observations at 3 p.m., the hour associated by international convention with 9 a.m. and 9 p.m. Summaries of these observations are also printed. The type used for the names of stations in the tables given in the Reports, indicates the hours at which observations are taken in accordance with the system explained in the notes of each issue.

Wind Summaries. The additional observation gave rise to some difficulty in connexion with the arrangement of the summaries of wind. For some stations there are three observations each day, for others only two, while for a few stations there is only one. In previous years it has been customary to multiply by two the figures giving the number of observations of calm and of wind from each of eight principal points for those stations at which only one observation per day is taken. This manipulation of the figures rendered the results for the whole set of stations approximately comparable. In the reports for the current year it has been adhered to in the case of stations reporting through the Scottish Meteorological Society (marked S), but no attempt has been made to "weight" the figures for English or Irish stations, and accordingly the sum of the numbers of calms and of winds from each of the eight directions is 93, 62, or 31 for months of 31 days, according as observations are taken three times, twice, or once a day, and similarly for other months. Reduction to an approximately comparable basis may be effected by dividing by 3, 2, or 1, as the case may be.

Correction of Barometer readings for Diurnal Range. The readings of the barometer quoted in the tables are the means of observations at 9 a.m. and 9 p.m., 7 a.m., 1 p.m., and 9 p.m., or 7 a.m. and 6 p.m., respectively. The figures shown in the column headed "C. Correction for Diurnal Range," gives the amount of the correction required to reduce to the true mean for 24 hours. They are based on the harmonic analysis of the hourly averages for the 35 years, 1871-1905, for the four observatories: Valencia, Aberdeen, Falmouth, Kew. As a general rule, only the corrections due to the second harmonic component are applied, as those for other components either vanish or are very small for the combinations of hours used in the Reports. The only exception is in the case of the correction applied during December, January, and February, to the combination 7 a.m., 1 p.m., 9 p.m. During these months the correction due to the third component is opposite in sign and approximately equal in magnitude to that due to the second component, and hence the whole correction may be taken as zero.

GENERAL ARRANGEMENT OF THE REPORT.

The arrangement of each issue of the Report is as follows:—

I. General remarks on the Weather over the British Islands.

II. Summaries, in international form, of observations made at normal climatological stations at 9 a.m. [3 p.m.], and 9 p.m., and at telegraphic reporting stations at 7 a.m., 1 p.m., and 9 p.m., or at 7 a.m., [1 p.m.] and 6 p.m. The international form has been extended to include information regarding the duration of bright sunshine, earth temperature at 1 foot and 4 feet (from 1906), the number of observations of fresh or strong winds (forces 4-7 of the Beaufort Scale, from 1906), the number of days of fog (from 1906), and of ground frost (minimum temperatures on the grass, 30° and below, from 1908). Summaries for districts, based on observations at the stations of the Weekly Weather Report are given for the elements dealt with in that Report.

III. Abridged summaries of extremes of temperature, rainfall, sunshine, earth temperatures, and grass minimum temperatures for auxiliary climatological stations.

IV. A plate of four maps showing:—

- i. The monthly distribution of pressure and winds based on the morning observations at telegraphic reporting stations; also the average distribution of pressure for the month for the period 1871-1905.
- ii. The movements of depressions.
- iii. The distribution of mean temperature over the land and in the coastal waters.
- iv. The distribution of bright sunshine. This map was added for the first time in the issue for 1908.

V. A full page map showing by means of isohyetal lines the distribution of the month's precipitation. These maps are prepared by Dr. H. R. Mill, the Director of the British Rainfall Organization, and are based on data from nearly 1,000 stations.

LIST OF STATIONS.

The Stations included in the Monthly Report and in the Weekly Weather Report are shown in the following list, arranged under the Districts. The positions of the stations may be identified on the accompanying map by the numbers which give their heights in feet above the Mean Sea Level.

Height above Mean Sea Level.—The figures given in this column refer, in general, to the height of the ground on which the rain gauge stands. At Sunshine Stations which do not possess a rain gauge, the height refers to the sunshine recorder.

Nature of Information published.—The character of the information given for each station is indicated by the following symbols :—

- W. Weekly Weather Report. Temperature and rainfall data.
 ☉ Bright Sunshine data.
 M. Monthly Weather Report. Full summary in the international form.
 m. Monthly Weather Report. Abridged summary of temperature and rainfall.

Average Values.—Reference is made to Publications of the Office containing average values for long periods by means of the following letters :—

- a. Appendix III. of the Weekly Weather Report for 1906. Monthly averages of mean maximum, mean minimum and mean temperature, and of rainfall for the 35 years 1871-1905 and (when available) of bright sunshine for the twenty-five years 1881-1905.
 b. Appendix I. to the volume of "Meteorological Observations at Stations of the Second Order" for 1891. Monthly averages for all elements for the fifteen years 1876-1890.
 c. "Temperature Tables of the British Islands," 1871-1900. Monthly average of mean maximum, mean minimum and mean temperature generally for the thirty years 1871-1900, together with information on the extremes of temperature in the same period.
 d. "Rainfall tables of the British Islands," Part I., 1866-80, Part II., 1880-90. Monthly averages of rainfall for lustra and for the periods named.

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.

Radcliffe Observatory, Oxford.—The averages with which the figures given in the second line are compared, are for the 54 years 1855-1908 in the case of pressure, and for the 94 years 1815-1908 in that of rainfall. The values for the current months given in this second line 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 1880-1887. The value given under the heading "Cloud" is the mean of observations at 8 a.m., Noon, and 8 p.m. The total rainfall and the maximum rainfall in a day are taken from the daily readings of the self-recording rain gauge, which correspond to the civil day ending at midnight.

Meteorological Societies.—Data for stations marked **M** are supplied by the Royal Meteorological Society, and for stations marked **S** by the Scottish Meteorological Society. Stations marked M or S are in connection with one or other of the Societies as well as with the Office.

Stations.	Height in feet above M.S.L.	Character of infor- ma- tion published.	Averages.	Stations.	Height in feet above M.S.L.	Character of infor- ma- tion published.	Averages.
O. SCOTLAND, N.				1. SCOTLAND, E.			
a. Islands.							
b. Mainland.							
Baltasound - - - S	31	W, ☉, m.	—	Aberdeen - - - S	46	W, ☉, M.	a, c.
Castlebay, Barra Island - -	38	W, ☉, M.	—	Balmoral - - - S	920	W, m.	—
Deerness - - - S	160	☉, M.	a, b, c.	Balruddery - - - S	276	☉, m.	—
Stornoway - - -	51	W, ☉, M.	a, c.	Crathes - - - S	140	☉, m.	—
Sumburgh Head - - -	112	W, M.	a, c.	Crieff - - - S	440	W, M.	—
				Dundee - - - S	160	M.	c, d.
				Edinburgh - - -	253	☉	a, d.
Dunrobin Castle - - - S	12	M.	c, d.	Gordon Castle - - - S	101	W, ☉, M.	c, d.
Fort Augustus - - - S	68	W, ☉, M.	a, c.	Leith - - - S	18	W, M.	a, c.
Fort William - - - S	175	W, M.	a, c.	Marchmont - - - S	498	W, ☉, M.	a, c.
Glencarron - - - S	489	W, M.	a, c.	Nairn - - - S	82	W, ☉, M.	a, c.
Strathpeffer Spa - - -	200	W, ☉, M.	a.	Stonehaven - - - S	786	☉	—
Wick - - -	80	W, M.	a, c.	Tillypronie - - - S	1,116	M.	—
				West Linton - - - S	800	W, ☉, m.	—

Stations.	Height in feet above M.S.L.	Character of informa- tion published.	Averages.	Stations.	Height in feet above M.S.L.	Character of informa- tion published.	Averages.
2. ENGLAND, N.E.				5. ENGLAND, S.E.			
<i>a.</i> Northern.				Basingstoke - - - - -	289	m.	—
Alnwick Castle - - - - -	210	W, m.	a.	Bexhill-on-Sea - - - - -	27	m.	—
Ampleforth - - - - -	349	m.	—	Bognor - - - - -	20	⊙, m.	—
Cockle Park - - - - -	324	⊙, M.	a.	Bournemouth - - - - -	145	⊙, m.	—
Durham - - - - -	336	W, ⊙, M.	a, b, c.	Brighton - - - - -	31	⊙, m.	a, d.
Newcastle - - - - -	152	⊙, m.	a.	Broadstairs - - - - -	140	⊙, m.	—
Rounton - - - - -	249	W, M.	c.	Bucklebury - - - - -	409	m.	—
Scarborough - - - - -	100	W, ⊙, M.	a, c.	Dover - - - - -	231	⊙, m.	—
Seaham - - - - -	139	M.	a, c, d.	Dungeness - - - - -	21	W, M.	a, c.
Shields - - - - -	96	W, M.	a, c, d.	Eastbourne - - - - -	39	⊙, M.	a.
Whitby - - - - -	88	⊙, M.	a, d.	Epsom - - - - -	160	m.	—
York - - - - -	56	W, ⊙, M.	a, c, d.	Folkestone - - - - -	121	⊙, m.	—
<i>b.</i> Southern.				Hastings (St. Leonards) - - - - -	178	W, ⊙, M.	a, c, d.
Fulbeck - - - - -	180	W, ⊙, M.	a.	Hove - - - - -	—	⊙	—
Hull - - - - -	12	⊙, M.	a.	Littlestone - - - - -	—	⊙	a.
Lincoln - - - - -	58	W, M.	a, d.	Maidenhead - - - - -	101	m.	—
Rauceby - - - - -	124	⊙, M.	a.	Margate - - - - -	35	W, ⊙, m.	a, c, d.
Skegness - - - - -	12	W, ⊙, M.	—	Marlborough - - - - -	424	W, ⊙, m.	a, c.
Spurn Head - - - - -	26	W, M.	a, c.	Matfield - - - - -	319	m.	—
Tealby - - - - -	251	m.	a.	Portsmouth - - - - -	11	⊙, M.	a.
3. ENGLAND, E.				Ramsgate - - - - -	—	⊙	—
<i>a.</i> Northern.				Reading - - - - -	264	M.	d.
<i>b.</i> Southern.				Salisbury - - - - -	180	M.	a, d.
Cromer - - - - -	196	W, ⊙, M.	—	Sandown - - - - -	20	m, ⊙.	—
Geldeston - - - - -	37	W, ⊙, M.	a, c, d.	Southampton - - - - -	65	W, ⊙, M.	a, c, d.
Hillington - - - - -	88	W, ⊙, M.	a, b, c.	Swarraton - - - - -	310	W, m.	a, c.
Lowestoft - - - - -	83	⊙, M.	a, d.	Totland Bay - - - - -	140	⊙, m.	a.
Norwich - - - - -	93	W, m.	d.	Tunbridge Wells - - - - -	421	W, ⊙, m.	a, c.
Yarmouth - - - - -	17	W, ⊙, M.	a, c.	Ventnor - - - - -	80	⊙, M.	a, c.
<i>b.</i>				Westbourne - - - - -	30	⊙	—
Bennington - - - - -	406	M.	a, c.	Wisley, Surrey - - - - -	150	W, ⊙, m.	—
Berkhamsted - - - - -	400	⊙, M.	a, c.	Wokingham - - - - -	216	m.	—
Cambridge - - - - -	41	W, ⊙, M.	a, d.	Worthing - - - - -	36	⊙, m.	a, c.
Clacton-on-Sea - - - - -	54	W, ⊙, M.	—	LONDON.			
Felixstowe - - - - -	10	W, ⊙, m.	—	Bunhill Row (City) - - - - -	80	⊙	a.
Rothamsted - - - - -	424	W, ⊙, m.	a, c, d.	Camden Square - - - - -	110	⊙, M.	a, d.
Shoeburyness - - - - -	13	W, m.	a, d.	Greenwich - - - - -	155	W, ⊙, M.	a, c, d.
Southend - - - - -	90	⊙, m.	a.	Hampstead - - - - -	453	M.	—
Woburn - - - - -	291	M.	—	Kew - - - - -	18	W, ⊙, M.	a, c, d.
4. MIDLAND COUNTIES.				Norwood - - - - -	220	M.	a.
<i>a.</i> Eastern.				Plumstead - - - - -	300	⊙	—
Bawtry - - - - -	65	W, m.	a, c.	Tottenham - - - - -	51	W, ⊙, M.	—
Belper - - - - -	222	m.	—	Westminster - - - - -	27	W, ⊙, M.	a.
Belvoir Castle - - - - -	259	⊙, M.	a, d.	6. SCOTLAND, W. (a.)			
Birmingham, Edgbaston - - - - -	535	W, ⊙, M.	a, d.	ISLE OF MAN (b.)			
Bradford - - - - -	439	⊙, m.	(d.)	Cally, Gatehouse - - - - -	120	W, M.	a.
Coventry - - - - -	270	⊙, m.	a.	Colmonell - - - - -	150	W, m.	—
Garforth - - - - -	195	⊙, M.	—	Dumfries - - - - -	160	W, M.	a.
Harrogate - - - - -	476	W, ⊙, m.	a.	Eskeedalemuir - - - - -	799	⊙, M.	—
Huddersfield - - - - -	409	M.	—	Glasgow - - - - -	180	W, ⊙, M.	a, c, d.
Kingston-on-Soar - - - - -	125	m.	—	Kilmarnock - - - - -	90	W, ⊙, m.	—
Nottingham - - - - -	82	W, ⊙, M.	a.	Oban - - - - -	20	⊙, m.	—
Oxford - - - - -	208	W, ⊙, M.	a, c.	Poltalloch - - - - -	132	W, M.	c.
Raunds - - - - -	205	W, m.	—	Rothsay - - - - -	115	W, M.	c, d.
Rugby - - - - -	379	m.	a, c.	Ruthwell - - - - -	67	M.	—
Sheffield - - - - -	429	⊙, M.	a, c, d.	Thorntonhall - - - - -	440	⊙, m.	—
Wakefield - - - - -	96	M.	a, c.	Douglas - - - - -	277	W, ⊙, M.	a, c, d.
Winslow - - - - -	379	m.	—	7. a. ENGLAND, N.W.			
Worksop - - - - -	56	⊙, m.	a, d.	Aspatia - - - - -	250	W, ⊙, M.	a.
<i>b.</i> Western.				Blackpool - - - - -	66	W, ⊙, M.	a.
Bath - - - - -	66	W, ⊙, M.	a.	Burnley - - - - -	459	⊙, m.	d.
Buxton - - - - -	987	W, ⊙, M.	a, b.	Carnforth - - - - -	174	⊙, m.	—
Cheadle (Teane) - - - - -	646	W, m.	a, b, c.	Darwen - - - - -	722	⊙, m.	—
Cheltenham - - - - -	214	⊙, M.	a, c.	Hawarden Bridge - - - - -	22	m.	a.
Cirencester - - - - -	446	W, ⊙, m.	a, c.	Hoylake - - - - -	730	⊙, m.	a.
Hereford - - - - -	291	W, m.	a.	Lancaster - - - - -	311	⊙, m.	—
Mayfield (Staffs) - - - - -	374	m.	—	Liverpool (Bidston Obs.) - - - - -	188	W, ⊙, M.	a, c.
Shrewsbury - - - - -	191	W, M.	d.	Manchester (Prestwich) - - - - -	320	W, ⊙, M.	a, c.
Wistanstow - - - - -	484	M.	—	" (Oldham Road) - - - - -	190	⊙, M.	a.
				" (Whitworth Park) - - - - -	125	⊙, M, ⊙.	—
				Newton Rigg - - - - -	559	W, ⊙, M.	a.
				Southport - - - - -	37	⊙, M.	a.
				Stonyhurst - - - - -	375	W, ⊙, M.	a, c, d.

Station.	Height in feet above M.S.L.	Character of informa- tion published.	Averages.	Station.	Height in feet above M.S.L.	Character of informa- tion published.	Averages.
(b) NORTH WALES.				9. IRELAND, N.			
Aberdovey - - - -	22	⊙, m.	—	a. Western.			
Bettws-y-Coed - - -	101	W, ⊙, M.	—	b. Eastern.			
Colwyn Bay - - - -	82	⊙, m.	—	Blackod Point - - -	37	W, M.	a.
Holyhead - - - -	48	W, M.	a, c.	Dunfanaghy - - - -	54	m.	—
Llandudno - - - M	89	W, ⊙, M.	a, b, c, d.	Malin Head - - - -	230	W, M.	a, c.
Llaneugrad - - - -	310	M.	—	Markree Castle - - -	122	W, ⊙, M.	a, b, c.
Rhyl - - - -	30	⊙, m.	a.	Armagh - - - -	196	W, ⊙, M.	a, c, d.
St. Asaph (St. Beuno's Coll.)	479	m.	—	b. Belfast - - - -	61	⊙, M.	a, d.
Towyn - - - - M	10	⊙, m.	—	Donaghadee - - - -	40	W, M.	a, c.
8. a. SOUTH WALES.				10. IRELAND, S.			
b. ENGLAND, S.W.				a. Eastern.			
Aberystwyth - - - M	59	⊙, m.	—	b. Western.			
Cardiff - - - -	203	W, ⊙, M.	a, d.	Clongowes Wood College - -	245	⊙, m.	—
Haverfordwest - - -	93	⊙, m.	—	Dublin, City - - - -	47	W, M.	a, b, c.
Llangammarch Wells - -	550	W, ⊙, m.	a.	" Trinity College - - -	12	⊙, M.	—
a. Pembroke (St. Ann's Head) -	149	W, ⊙, M.	a, c.	" Phoenix Park - - -	155	⊙, M.	a, c.
Port Talbot - - - -	179	⊙, m.	—	" Glasnevin - - - -	67	m.	a, c.
Swansea - - - -	24	m.	—	Newcastle, Co. Wicklow - -	256	m.	—
Tenby - - - -	79	⊙	a.	Kilkenny - - - -	212	W, m.	a, c.
Arlington - - - -	613	W, m.	a, c.	Kingstown - - - -	42	m.	—
Clifton (Bristol) - - -	229	W, ⊙, m.	a, d.	Mountmellick - - - -	253	m.	—
Cullompton - - - -	202	W, ⊙, m.	a, c.	Waterford - - - -	20	W, M.	a.
Falmouth - - - -	167	W, ⊙, M.	a, c.	Ballinacurra - - - -	24	⊙, m.	—
Forest of Dean - - - -	200	m.	—	Birr Castle - - - -	175	W, ⊙, M.	a, b, c.
" " - - - -	900	m.	—	Cahir - - - -	199	W, m.	—
Fowey - - - -	—	m.	—	b. Foynes - - - -	108	W, m.	a, c.
Newquay - - - -	100	⊙, m.	a, d.	Killarney - - - -	174	W, M.	a, c.
Paignton - - - -	11	m.	—	Limerick - - - -	48	M.	—
Penzance - - - -	54	⊙, m.	d.	Roche's Point - - - -	32	W, M.	a, c.
Plymouth - - - -	116	W, ⊙, M.	a, c.	Valencia - - - -	32	W, ⊙, M.	a, c.
Portland Bill - - - -	19	W, M.	—				
Salcombe - - - -	300	⊙	—	11. ENGLISH CHANNEL.			
Shaftesbury - - - -	722	W, m.	a, d.	Guernsey (Villa Carey) - -	180	W, ⊙, m.	a.
Sheepstor - - - -	749	m.	—	" Brooklyn - - - -	297	⊙, M.	a, c.
Teignmouth - - - -	19	m.	—	Jersey (St. Aubin's) - - -	25	W, M.	a, c.
Torquay - - - -	12	⊙	a, d.	(St. Helier's) - - - -	—	⊙	a.
Weymouth - - - -	21	⊙, m.	—	Scilly - - - -	181	W, ⊙, M.	a, c.
Whitchurch - - - -	593	M.	—				
Woolacombe - - - -	59	⊙, M.	a.				

THE following is a LIST of the VOLUNTEER OBSERVERS to whom the Committee are indebted for observations contributed to the Monthly Weather Report during 1910, together with the NAMES of their STATIONS :—

Names of Stations.	Names of Observers.	Names of Stations.	Names of Observers.
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Aberystwyth - - - -	Dr. A. Thomas, for the District Council.	Cally Gatehouse - - -	W. Thomson, for Col. F. Murray, Raillie.
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		Dunrobin Castle - - -	D. Melville, for the Duke of Sutherland, K.G.
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THE following is a LIST of the VOLUNTEER OBSERVERS to whom the Committee are indebted for observations contributed to the Monthly Weather Report during 1910, together with the NAMES of their STATIONS—*cont.* :—

Names of Stations.	Names of Observers.	Names of Stations.	Names of Observers.
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Mayfield - - - - -	G. C. Lawson.	Whitby - - - - -	T. Newbitt, for the Lit. and Phil. Soc.
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Meteorological Office,
London, S.W.,

CORRECTIONS FOR MONTHLY WEATHER REPORT, 1910.

The following values should be substituted for those appearing in the Summaries as printed :—

Note.—Corrections to the Temperature values are not included in this list unless the mean as printed is altered by more than 0.1°.

January,	p. x.	...	Hull.—Height of Bar cistern above M.S.L., 12 feet.
	p. xi.	...	Belvoir Castle.—Wind direction under S. 6.
	p. xii.	...	Hampstead.—Height of Bar cistern above M.S.L., 453 feet.
	p. xii.	...	Llaneugrad.—Height of Bar cistern above M.S.L., 310 feet.
	p. xiii.	...	Camden Square.—Wind direction under N.W. 7.
February,	p. xiv.	...	Bournemouth.—Rainfall, 3.28 ins.
	p. xxiii.	...	Clifton.—Ground frosts, 10.
	p. xxiii.	...	Blacksod Point.—Rainfall, 7.32 ins. + 3.76.
	p. xxiv.	...	Crathes.—Rainfall, 3.45 ins. ; number of days, 20.
April,	p. xli.	...	Nairn.—Sunshine, 106 hours, 25 per cent.
	p. xli.	...	Shrewsbury.—Rainfall, 1.53 ins.
	p. xliv.	...	Bognor.—Rainfall, 1.65 ins. Sunshine, 162 hours ; 39 per cent.
May,	p. li.	...	Nottingham.—Wind under N. 7, N.E. 23, E. 19, S.E. 1, S. 2, S.W. 7, W. 25, N.W. 8.
	p. lii.	...	Eskdalemuir.—Correction for Diurnal Range, —.
	p. liii.	...	Ventnor.—Sunshine, 223 hours.
	p. liii.	...	Plumstead.—Sunshine, 170 hours ; 35 per cent.
	p. liii.	...	Eskdalemuir.—Sunshine, 180 hours. Wind under Calm 7, N.E. 28.
	p. liv.	...	Maidenhead.—Rainfall difference, — 0.07.
	p. lvii.	...	Newquay.—Rainfall, 1.63, — 0.06.
June,	p. lx.	...	Huddersfield.—Dep. of wet, column 1, 3.2. Vap. pressure 374, 403, 375. Humidity columns, 1 and 2, 81, 70.
	p. lxii.	...	Eskdalemuir.—Correction for Diurnal Range, —.
	p. lxiii.	...	Southampton.—Rainfall difference, + 1.33.
	p. lxvii.	...	Weymouth.—Sunshine — ? 197 hours, 41 per cent.
July,	p. lxxi.	...	Cambridge.—Wind under S. 2.
	p. lxxiv.	...	Tealby.—Rainfall, 3.58 ; most in a day, 0.98 ; number of days, 13.
	p. lxxiv.	...	Cheadle.—Mean maximum temperature, 63.2 ; mean of (A. and B.), 55.8. Rainfall, 3.95, + 0.88 ; number of days, 14.
	p. lxxxix.	...	Shields.—Wind under W. 8.
August,	p. lxxxii.	...	Eskdalemuir.—Wind under calm 23, N. 3, N.E. 8, S.E. 10, S. 11, S.W. 21.
	p. lxxxiv.	...	Worthing. Sunshine, 176 hours.
	p. civ.	...	Ruthwell.—Mean maximum (A.), 56.3 ; mean of (A. and B.) 50.3.
October,	p. cxiv.	...	Ruthwell.—Mean maximum (A.), 42.5 ; mean minimum (B.), 28.9 ; mean of (A. and B.), 35.7 ; absolute maximum, 53° ; absolute minimum, 19°.
	p. cxvii.	...	Newquay.—Rainfall, 5.26, + 1.54.
	p. cxvii.	...	Salcombe.—Sunshine, 88 hours.
December,	p. cxxi.	...	Tillypronie.—Under Thunderstorm, 1.
	p. cxxiii.	...	Eskdalemuir.—Wind under Calm, 10, W. 13.
	p. cxxiii.	...	Whitworth Park.—Overcast, 25. Wind, force 4-7, 16 ; N.E. 5, E. 8, S.E. 23, S. 12, S.W. 11, W. 12, N.W. 10.
January to June		...	Aberystwyth.—Reject all temperatures.

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,
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Vol. XXVII. (New Series)
Weekly Weather Report.

No. I.

JANUARY, 1910.

[Price 6d.]

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—During the period under review very breezy conditions ruled, so that only on the 5th and 6th were there no instances of more than a strong wind at any of the telegraphic reporting stations, whereas on as many as twenty-one days there were one or more records of gale force, recalling the winter months of 1898-9. There was only one brief interval, between the 4th and the 7th, during which the British Isles were covered by an area of high atmospheric pressure, and only on the 6th was the southern half of England within the central space of the system, which was mainly a Continental one. In the night of the 6th or morning of the 7th the barometer rose to 30·60 ins. at Jersey, Dover, and Oxford, and to 30·61 ins. at Clacton-on-Sea and Yarmouth. Readings above 30·5 ins. were registered all over England and Wales, but not in Scotland and Ireland. The rest of the month was of a generally disturbed character. At first numerous very large and deep depressions from the Atlantic and Greenland reached Iceland and passed eastward, in most cases with their central spaces to the northward of the Arctic Circle. Out of the first nineteen days of the month the barometer was below 29 ins. in these more northern regions on as many as fourteen days. The centres of only three of these systems passed to the southward of Iceland, the first, and the deepest of the month, moving north-eastward across the Farøe, the second skirting the south coast of Iceland, and the third visiting Shetland. In all cases, however, these Arctic disturbances covered such extensive areas that their southern limits were frequently found as far as the English Channel, sometimes down to Central France. At the commencement of the fourth week the situation underwent an important modification, which resulted in a complete change in the character of the weather over these islands. Instead of keeping to the northward of the 60th parallel the centres of the deep cyclonic areas coming from the Atlantic were found to the southward of the 55th parallel. The first of them moved in quickly across the north of Ireland in the night of the 23rd, and increased in depth to a minimum 28·59 ins. at Yarmouth on the evening of the 24th, when the centre was off the coast of Norfolk. This was dying out over southern Sweden when another moved in across southern Ireland in the night of the 27th, like its predecessor increasing in depth as it advanced, so that when the centre arrived on the North Sea, off the coast of Durham, the barometer had dropped to 28·54 ins. at Shields. There was thus such a decided predominance of cyclonic systems against only one anticyclone of short duration that the mean pressure for the whole month was everywhere below the normal. The deficiency was greatest in the north, amounting to 0·29 in. at Sumburgh Head, and 0·23 in. at Wick, Nairn, and Aberdeen, diminishing southward to 0·07 in. at Jersey, and 0·04 in. at Scilly. The range of pressure was large at all stations, from 1·4 in. at Nairn to 2 ins. at Shields, Yarmouth, and Clacton-on-Sea. In the 24 hours from 7 a.m., 23rd, to 7 a.m., 24th, the barometer fell more than an inch over nearly the entire country, 1½ in. at Liverpool. The distribution of mean pressure for the month was in general agreement with the normal, a well-marked Westerly type, but with a steeper gradient than usual, the difference between Jersey and Shetland amounting to 0·54 in., against the average of 0·32 in. From 29·98 ins. at Jersey the values diminished northward at a fairly regular rate to 29·44 ins. at Sumburgh Head, and to 29·26 ins. at Reykjavik (Iceland). Winds from about West and South-West largely prevailed, but with the depressions of the closing week keeping in more southern latitudes, Easterly and North-Easterly winds were experienced in many localities.

It was not until the 9th that the conditions assumed a very stormy character. On that morning the steamer "African Prince" encountered a severe South-Westerly gale in about 59° N., 17° W., the barometer falling rapidly until it touched 27·86 ins. at 8.30 a.m. At this level it remained for half an hour, the wind then suddenly veering into North-West and increasing to hurricane force, the barometer rising at a remarkable rate, 0·58 in. in three hours. By evening the centre of the depression was near the Farøe, where the barometer had dropped to 27·89 ins. Already the influence of the disturbance was felt over the entire area of the United Kingdom, and generally over north-western Europe. The disturbance travelled north-eastward to northern Scandinavia, but it continued to affect our weather until the 12th, gale force occurring daily on our coasts, a whole gale from South-West or West on the 10th at Wick, Castlebay and Malin Head, on the 11th at Malin Head and Portland Bill, and on the 12th at Malin Head. Automatic records show that Scilly had a mean hourly velocity of 53 miles on the 12th, but the rate attained in gusts rose to 72 miles per hour at Scilly and Dover on the 11th, 65 miles at Roche's Point, and 67 miles at Scilly on the 12th. Rain was general, but there were hardly any falls of as much as an inch in a day. Various places had snow on the 11th and 12th. The heaviest rains of the month occurred on much less stormy days—on the 13th over western Scotland, up to 2·4 ins. at Kinlochewe, and on the 15th over north-western England and western Scotland, up to 1·7 in. at Laudale, 1·8 in. at Darwen, Kirkby Lonsdale and Graythwaite (Lake Windermere) and 2·1 ins. at Stonyhurst.

With another deep depression moving between Iceland and southern Norway the period from the 16th to the 19th gave South-Westerly to Westerly high winds or gales at numerous stations daily, a strong gale at Jersey and Nottingham on the 18th. At Scilly a mean hourly wind velocity of 55 miles was reached on the 18th, while in gusts a rate per hour of 65 miles was attained on the 16th at Southport, and on the 18th of 66 miles at Scilly, and 71 miles at Pendennis. At Fort William the rainfall on the 16th amounted to 1·7 in., other places in the same region receiving more than an inch, and in the next two days snow fell in several parts of Scotland, deep at Kinlochewe, and 7 ins. at West Linton.

Speaking generally, the temperature during this spell of three weeks of Westerly winds was moderate to mild, at times very mild. On several days the thermometer rose above 50° in many neighbourhoods, and maxima above 55° were fairly numerous. Colwyn Bay touched 59° on the 1st, Crathes, Rhyl and Sheffield 58° on the 2nd, and 57° was registered at Kingstown on the 8th and 9th, at Killarney on the 9th, at Cirencester on the 14th, at Laudale on the 15th, and at Portsmouth on the 16th. There were also large numbers of night minima above 45°; in the night of the 1st-2nd Dublin City remained as high as 52°, Phoenix Park, Foynes and Killarney 51°, several other Irish stations, Shrewsbury and Whitby 50°; Plymouth had a minimum of 50° in the night of the 8th-9th, and London 49° in the night of the 15th-16th.

Very widely different were the conditions towards the close of the month, the deep depressions crossing Ireland and England produced rough and bitterly cold weather. Jersey had a strong Westerly gale on the 23rd and 24th, Roche's Point on the 24th, Spurn Head a strong North-Easterly gale on the 25th, and Donaghadee on the 28th, the Scilly anemometer registering a mean hourly velocity of 57 miles on the 24th, with gusts at the rate of 80 miles an hour. Snow fell daily, and in many places in considerable quantities, Ireland receiving more than other parts of the kingdom. Amounts exceeding an inch of rain or of melted snow were rather numerous, up to 1·6 in. at Arlington (Barnstaple) on the 24th, 1·5 in. at Kingstown and Glasnevin on the 27th, at Newcastle (Wicklow) and Morpeth on the 28th, and at Kinlochewe on the 30th. Oban had 15 ins. of snow on the 26th, Bradford (Yorks) a foot on the 28th, and at Marchmont from the 23rd to the 29th there was an accumulation of 17 ins. Intense cold marked this spell, a very severe frost occurring generally between the 26th and 29th, a temperature below 10° being recorded as far south as Wokingham, northern records going down to 0° at Killmarnock, -5° at West Linton, and -10° at Balmoral. The afternoon maxima were also very low, especially on the 27th, 20° at Fort Augustus and Nairn, 18° at Aberdeen, and 15° at Stonehaven.

Thunderstorms formed the most exceptional feature of the midwinter month. On as many as 23 days there were records of thunder, of lightning, or of both, thunder on eight successive days at Gruline (Mull), lightning on one day and thunderstorms on seven days between the 8th and 16th at Markree Castle. Many parts of Ireland and Scotland were affected on the 8th to the 11th, as were England and Wales on the 10th and 11th. The records on the 12th were in north-western England and western Scotland; on the 14th, 17th and 18th mainly in Scotland; on the 16th in Scotland and Ireland; on the 24th in Ireland and the Channel Islands, and on the 28th over the southern counties of England.

Fog was comparatively infrequent over the land, but on the western, southern and eastern coasts it was reported in many localities during the first week. On the north-east coast of England it was rather foggy from the 24th to the 27th.

The temperature of the water was the same as during December along the southern coasts, from Margate to Daunt's Rock, Queenstown. In most other places it was a little colder. The water, however, was warmer than the air, in many neighbourhoods by 4° or 5°, at Stornoway by 6°, and off Shetland by 8°.

Aurora was observed on a few occasions at some northern stations.

Rainfall.—With the exception of the west of Scotland and the south of Ireland there was an excess of precipitation, as a rule unimportant, being less than an inch, but Arlington was 2·3 ins. above the normal, Fort William 3·9 ins. and Stonyhurst 4·3 ins. On the other hand Colmonell and Roche's Point returned a deficiency of 2 ins., and Waterford 2·1 ins. At several mountain stations in the west and north the total falls were from 10 ins. to more than 18 ins., while in the eastern districts there were many totals below 2 ins., down to 1·2 in. at Spurn Head, Felixstowe and Shoeburyness. Rain fell on every day at Roche's Point (yielding little more than half the average quantity), on 30 days at Stornoway, and on 29 days at Valencia, against 13 at Colwyn Bay, Berkhamsted and Tottenham, and 10 days at Tealby.

Bright Sunshine.—There was nearly everywhere an excess of sunshine, Berkhamsted showing a gain of 26 hours, Blackpool 28, and Oxford 29 hours. The largest aggregates were 89 hours (36 per cent. of the possible) at Lowestoft, 88 hours (36 per cent.) at Bidston Observatory, and 87 hours (35 per cent.) at Rhyl; the smallest, 22 hours (9 per cent.) at Whitworth Park, 19 hours (9 per cent.) at Fort Augustus, and 16 hours (7 per cent.) at Manchester City.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at station above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY - -	48	29°500	- '189	'000	44°4	37°0	40°7	-0°2	52	9th	28	27th	41°6	42°4	41°1	1°6	2°1	1°9	'229	'227	'218	83	84	85
	Deerness - -	163	29°287	-	'005	40°2	33°3	36°8	-2°2	51	1st	25	27th	36°5	-	36°7	1°4	-	1°6	'189	-	'187	85	-	83
	SUMBURGH HEAD	126	29°273	- '287	'000	40°7	27°2	34°0	-5°0	50	1st	11	26th	37°4	37°7	37°3	1°8	1°6	1°5	'189	'195	'193	85	86	87
	STORNOWAY - -	52	29°444	- '208	'000	42°2	33°2	37°7	-1°1	53	1st	16	27th	38°0	39°3	38°1	1°2	1°4	1°4	'204	'213	'202	89	89	88
Mainland.	Wick - -	80	29°400	- '234	+ '002	40°5	28°3	34°4	-3°4	53	1st	8	28th	34°6	-	35°9	1°1	-	1°2	'179	-	'190	90	-	90
	Strathpeffer - -	210	29°311	-	'006	41°3	29°1	35°2	-1°5	55	1st	8	27th	34°4	-	34°7	1°4	-	1°3	'171	-	'176	85	-	87
	Glencarron - -	504	28°997	-	'005	40°7	29°5	35°1	-2°0	51	2nd, 7th	5	27th	35°5	-	35°9	1°3	-	1°6	'183	-	'182	88	-	86
	Fort Augustus - -	73	29°507	-	'005	40°6	28°5	34°6	-3°5	53	1st	2	28th	34°7	-	35°5	1°2	-	1°4	'173	-	'181	89	-	87
	Fort William - -	38	29°569	-	'005	40°9	30°3	35°6	-3°2	52	1st	5	27th, 28th	35°6	-	36°3	1°5	-	1°4	'181	-	'188	86	-	88
	Dunrobin Castle - -	16	29°504	-	'005	40°9	30°3	35°6	-2°6	55	2nd	15	27th, 28th	35°3	-	35°7	1°3	-	1°8	'186	-	'179	87	-	83
District Value - -						41°0	29°4	35°4	-3°0	55		2													
1. SCOTLAND, E.																									
	Tillypronie - -	1120	28°339	-	'006	39°1	27°0	33°1	-1°6	55	2nd	10	26th	33°2	-	32°9	1°2	-	1°3	'173	-	'166	88	-	87
	Dundee - -	164	29°445	-	'006	39°9	30°7	35°3	-1°8	53	2nd	10	28th	35°3	-	35°6	0°9	-	1°1	'196	-	'192	91	-	89
	Nairn - -	82	29°434	- '229	+ '003	40°8	29°0	34°9	-2°5	55	2nd, 3rd	4	28th	35°0	37°8	36°5	1°3	1°3	1°6	'173	'202	'186	87	90	86
	Gordon Castle - -	107	29°435	-	'006	41°4	29°6	35°5	-2°6	56	2nd	5	28th	36°6	-	36°2	2°3	-	2°8	'174	-	'163	81	-	76
	Aberdeen - -	90	29°474	- '251	'006	40°4	30°9	35°7	-2°0	55	2nd	7	28th	33°9	37°8	35°8	1°8	2°6	2°1	'159	'179	'172	81	79	82
	Balmoral - -	927	28°541	-	-	42°7	24°7	33°7	-0°5	56	2nd	-10	28th	31°2	-	-	1°5	-	-	'139	-	-	79	-	-
	Crieff - -	436	29°137	-	'006	40°5	29°5	35°0	-1°8	56	2nd	4	28th	35°4	-	35°3	1°0	-	1°5	'188	-	'178	91	-	86
	Leith - -	37	29°565	- '223	+ '003	43°2	33°0	38°1	-0°9	57	2nd	12	28th	37°9	-	39°5	2°1	-	2°4	'188	-	'196	82	-	81
	Marchmont - -	500	29°096	-	'006	41°0	29°8	35°4	-0°9	55	2nd	11	28th	34°6	-	35°2	1°3	-	1°5	'175	-	'177	87	-	86
	District Value - -						41°1	28°9	35°2	-2°3	58		-10												
2. ENGLAND, N.E.																									
	Seaham - -	183	29°525	-	'007	41°8	33°2	37°5	-1°0	54	2nd	15	27th	36°7	-	37°0	1°2	-	1°2	'197	-	'201	90	-	89
	Whitby - -	145	29°511	-	'007	42°9	33°1	38°0	-1°5	55	2nd, 3rd	13	27th, 28th	37°2	-	38°5	1°5	-	1°8	'198	-	'207	86	-	84
	Cockle Pk (Morpeth)	331	29°306	-	'007	40°9	31°2	36°1	-	54	2nd	17	26th, 27th	36°2	-	36°6	1°2	-	1°3	'194	-	'197	87	-	87
	Shields - -	117	29°537	- '205	+ '002	43°4	31°2	37°3	-1°3	56	1st, 2nd	15	27th	36°9	-	38°6	0°8	-	1°0	'203	-	'215	93	-	92
Northern Part.	Durham - -	352	29°294	-	'007	41°8	31°5	36°7	-0°2	55	2nd	10	27th	36°0	-	36°4	0°9	-	1°1	'200	-	'200	92	-	89
	Rounton - -	245	29°425	-	'007	41°4	30°6	36°0	-0°8	54	2nd	6	26th	34°4	-	35°8	1°1	-	1°2	'176	-	'186	88	-	89
	Scarborough - M	127	29°551	-	'007	43°9	33°6	38°8	+0°3	55	2, 3, 9th	20	27th	37°4	-	37°6	1°3	-	1°4	'198	-	'198	89	-	88
	York - -	53	29°685	-	'007	42°8	32°8	37°8	+0°1	55	2nd, 9th	12	27th	36°4	-	37°1	0°8	-	0°7	'200	-	'207	93	-	94
Southern Part.	Spurn Head - -	28	29°682	- '212	+ '002	41°9	34°1	38°0	-0°3	52	9th, 16th	25	23, 27, 28	37°6	40°2	39°0	1°0	1°8	1°3	'206	'213	'212	91	86	90
	Lincoln - -	42	-	-	-	42°4	31°0	36°7	-0°1	55	2nd	13	26th, 28th	35°5	-	-	1°4	-	-	'193	-	-	86	-	-
	Skegness - -	16	29°745	- '175	+ '002	42°0	32°1	37°1	-	53	2nd, 9th	13	28th	35°9	-	38°6	0°7	-	1°0	'198	-	'215	94	-	92
	Hull - -	2	29°728	-	'007	42°4	33°4	37°9	+0°4	55	2nd	16	27th	37°6	-	38°6	1°4	-	1°7	'198	-	'201	85	-	86
District Value - -						42°4	32°0	37°4	-1°2	56		6													
3. ENGLAND, E.																									
	Lowestoft - -	75	29°722	-	'008	43°2	33°5	38°4	+0°2	53	10th, 14th	22	23rd	38°0	-	38°0	1°2	-	0°9	'213	-	'211	90	-	92
	Cromer - -	139	-	-	'007	42°8	34°1	38°5	-	54	2nd	20	28th	38°0	-	38°4	1°0	-	1°2	'208	-	'208	91	-	90
	Hillington - -	92	29°673	-	'007	42°0	33°0	37°5	+0°6	53	2nd	22	27th	36°0	-	37°8	0°7	-	1°0	'197	-	'207	93	-	92
	Norwich - -	98	-	-	-	42°7	33°0	37°9	-	53	2, 9, 16th	21	27th, 28th	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH - -	27	29°744	- '194	'000	42°8	34°1	38°5	+0°9	52	2, 9, 14, 16	25	23, 27, 28	37°2	40°8	38°7	0°8	1°8	1°0	'206	'217	'216	93	86	92
	Geldeston - -	47	29°746	-	'008	43°6	33°4	38°5	+0°5	55	14th	20	27th	36°9	-	37°6	0°9	-	0°8	'201	-	'210	92	-	93
	Cambridge - -	43	29°763	-	'008	43°7	33°3	38°5	+1°0	57	2nd	17	27th	37°5	-	38°2	0°9	-	0°8	'213	-	'219	92	-	93
	CLACTON - -	62	29°767	- '173	'000	42°6	34°0	38°3	0°0	51	14th	23	26, 27, 28	37°3	40°7	38°5	0°7	1°4	0°8	'209	'224	'217	94	83	93
Southern Part.	Woburn - -	294	29°529	-	'008	42°8	33°3	38°1	-	52	9th, 16th	12	27th	37°4	-	38°0	1°1	-	1°1	'208	-	'213	90	-	90
	Bennington - -	411	29°418	-	'008	42°9	33°5	38°2	+0°9	53	2nd	19	27th	37°0	-	37°4	1°0	-	1°1	'200	-	'202	91	-	90
	Berkhamsted - -	397	29°409	-	'008	43°3	33°1	38°2	+0°9	54	2nd	16	27th	37°3	-	37°8	1°0	-	1°1	'203	-	'205	91	-	90
	District Value - -						43°2	33°8	38°7	+0°7	57		12												
4. MIDLAND COS.																									
	Garforth - -	198	-	-	'007	42°2	30°2	36°2	-	55	9th	8	27th	36°4	-	36°4	1°1	-	1°1	'202	-	'200	91	-	90
	Huddersfield - -	411	29°500	-	'007	41°8	32°7	37°3	-	53	2nd	12	27th	36°0	39°1	37°1	1°3	1°9	1°4	'191	'204	'198	85	83	85
	Wakefield - -	100	29°641	-	'007	43°4	32°3	37°9	-0°4	56	2nd	10	27th	36°8	-	38°4	1°8	-	1°9	'184	-	'195	84	-	84
	Belvoir Castle - -	276	29°488	-	'007	42°5	33°2	37°9	+0°6	56	2nd	15	27th	36°7	-	37°6	1°0	-	0°9	'198	-	'208	91	-	92
Eastern Part.	Coventry - -	309	29°491	-	-	42°9	32°4	37°7	-0°1	54	2nd	17	27th	36°5	-	-	1°0	-	-	'197	-	-	92	-	-
	NOTTINGHAM - -	85	29°686	- '193	'000	43°2	32°7	38°0	+0°5	56	2nd	17	27th, 28th	37°0	40°7	38°6	1°1	2°3	1°4	'198	'208	'207	90	82	89
	Birmingham - -	542	29°217	-	'008	42°1	33°5	37°8	0°0	53	2nd	19	27th	36°6	-	37°9	1°2	-	1°2	'198	-	'208	88	-	89
	Oxford - -	212	29°625	- '153	-	44°4	34°0	39°2	+0°9	53	2, 9, 16	18	27, 28th	37°8	-	39°2	1°4	-	-	'200	-	-	89	-	-
	Bath - -</																								

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of JANUARY, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.												STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
—	—	Hrs.	Hrs.	%	%	7.6	3.0	7.4	Ins.	Ins.	Ins.	8th	24	12	11	3	0	16	0	—	5	53	3	15	7	3	1	8	18	26	12	Castlebay (Isd.)		
—	—	54	—	24	—	6.2	—	4.5	4.74	+1.33	0.73	18th	24	15	11	4	1	3	1	—	2	42	5	5	2	2	4	15	15	6	8	Deerness.		
—	—	48	—	23	—	7.2	6.7	6.1	4.96	+0.99	0.49	27th	28	14	0	0	0	8	0	—	5	54	6	18	7	1	4	16	26	10	5	Sumburgh Head.		
—	—	—	—	—	—	7.0	7.1	6.3	6.79	+1.54	1.03	9th	30	13	7	3	0	8	0	—	7	57	5	13	5	1	0	9	32	15	13	Stornoway.		
—	—	48	+19	22	+9	5.8	—	6.9	2.14	-0.25	0.20	24th	24	0	0	0	0	6	0	—	4	29	3	10	2	2	0	6	3	31	5	Wick.		
—	—	—	—	—	—	7.3	—	5.0	4.07	+0.96	0.52	24th	23	10	0	0	1	8	0	—	2	17	19	1	2	1	0	10	19	7	3	Strathpeffer.		
—	—	36	+3	16	+1	7.9	—	7.6	9.55	-0.62	1.43	8th	25	12	1	0	2	19	1	—	6	45	0	9	2	8	0	0	0	43	0	Glencarron.		
—	—	—	—	—	—	8.5	—	7.0	7.23	+1.66	1.03	8th, 13th	23	13	4	1	1	20	0	—	4	27	3	0	5	0	0	2	47	10	0	Fort Augustus.		
—	—	—	—	—	—	7.6	—	7.4	13.00	+3.93	1.69	10th	24	10	2	5	2	18	1	—	1	13	6	0	8	6	0	1	23	18	0	Fort William		
—	—	—	—	—	—	—	—	—	3.33	+0.66	0.44	13th	17	10	0	0	—	—	—	—	1	7	0	0	12	4	3	2	11	7	23	Dunrobin Castle.		
—	—	38	+13	17	+6	7.2	7.3	6.5	6.82	+0.90	1.69	25	20	16	0	0	2	3	0	—	5	17	0	12	0	0	0	5	24	6	15	Tillypronie.		
—	—	—	—	—	—	5.8	—	4.6	2.80	+0.84	0.51	28th	20	5	0	0	0	17	0	—	6	6	0	0	5	0	0	1	40	5	11	Dundee.		
—	—	—	—	—	—	8.6	—	7.3	1.73	-0.38	0.30	10th	17	5	0	0	0	8	0	—	0	17	18	7	2	2	0	1	12	43	8	Nairn.		
—	—	41	—	18	—	6.5	7.5	7.1	2.93	+1.03	0.50	10th	23	6	0	0	0	8	0	—	0	17	18	7	2	2	0	1	12	43	8	Gordon Castle.		
—	—	40	—	18	—	7.1	—	5.6	2.32	+0.31	0.32	15th	19	7	4	0	1	10	0	—	1	11	0	0	4	1	3	19	22	4	9	Aberdeen.		
—	39.2	54	+4	24	+2	5.1	5.9	4.9	1.81	-0.37	0.33	23rd	20	12	2	0	4	6	0	—	0	31	3	1	2	3	0	14	35	14	21	Balmoral.		
—	—	—	—	—	—	6.8	—	—	4.20	+1.21	0.82	28th	20	13	1	1	3	12	0	25	7	6	0	6	0	0	0	18	32	6	1	Crieff.		
—	—	—	—	—	—	7.5	—	5.9	4.64	+0.18	0.87	8th	18	9	2	1	3	12	0	—	3	24	0	7	4	13	0	1	9	27	1	Leith.		
—	—	—	—	—	—	6.3	—	8.1	2.34	+0.61	0.37	17th	19	8	3	2	0	16	0	—	0	18	0	2	2	0	2	5	16	26	9	Marchmont.		
36.3	—	47	+2	20	+1	5.6	—	5.8	2.19	-0.26	0.34	15th	20	10	0	0	4	10	0	18	0	10	0	1	1	6	2	8	24	19	1	Seaham.		
—	—	51	+8	22	+3	6.6	—	6.2	3.03	+0.46	0.87	20	20	10	2	1	1	10	0	—	0	25	1	0	3	1	0	11	23	20	3	Whitby.		
—	—	—	—	—	—	6.5	—	5.4	2.37	+0.67	0.66	28th	20	10	2	1	1	10	0	—	0	5	0	1	4	2	2	8	29	3	13	Cockle Pk (Mor-Shields. (peth.)		
36.6	39.7	68	—	29	—	5.8	—	5.8	3.62	+1.58	1.49	28th	24	11	0	1	0	9	0	17	7	36	0	5	4	0	0	3	13	18	19	Durham.		
—	—	—	—	—	—	7.1	—	8.4	2.12	+0.52	0.92	28th	19	11	1	0	0	15	0	—	1	17	6	0	2	2	1	10	23	12	0	Rounton.		
—	—	64	+20	27	+9	6.6	—	5.5	2.17	+0.37	0.87	28th	18	12	0	0	4	11	0	15	2	21	9	1	2	0	0	9	22	12	7	Scarborough.		
37.0	—	—	—	—	—	6.4	—	5.6	2.25	+0.49	0.43	28th	19	8	0	0	4	10	1	22	1	20	3	1	3	1	0	16	23	5	10	York.		
—	41.8	42	—	17	—	7.5	—	7.9	2.80	+0.93	0.54	28th	21	0	0	0	11	1	19	1	35	0	1	5	0	2	0	23	2	29	0	Spurn Head.		
38.5	41.9	47	+17	19	+7	5.9	—	6.7	2.21	+0.52	0.55	27th	18	7	0	0	3	11	3	—	0	5	0	9	1	2	0	16	12	16	6	Lincoln.		
—	—	—	—	—	—	6.9	6.8	7.5	1.20	-0.03	0.22	28th	17	10	0	0	0	11	5	—	2	76	0	1	1	2	1	12	35	23	18	Skegness.		
37.4	41.1	—	—	—	—	5.5	—	7.1	1.84	+0.21	0.40	24th	20	0	0	0	8	15	1	—	2	7	11	0	0	0	0	0	10	40	1	Hull.		
—	80	—	33	—	—	5.6	—	5.5	1.72	—	0.42	24th	21	7	2	0	4	9	3	—	0	9	0	4	0	0	1	7	22	18	10	Lowestoft.		
37.9	42.7	37	—	15	—	7.8	—	6.0	1.78	+0.06	0.52	27th	19	10	1	0	3	14	4	13	0	11	8	1	3	0	0	1	18	16	15	Cromer.		
37.5	41.4	63	+20	26	+8	6.5	—	6.5	2.21	+0.44	1.49	19	19	10	1	0	3	14	4	13	0	11	8	1	3	0	0	1	18	16	15	Hillington.		
38.5	42.1	89	—	36	—	6.1	—	5.8	2.55	+1.05	0.74	26th	19	12	0	0	6	11	4	13	1	12	2	3	1	0	0	1	11	27	17	0	Norwich.	
—	79	—	32	—	—	6.9	—	7.8	2.51	—	0.61	24th	25	4	0	0	0	13	4	—	0	37	0	3	0	0	0	9	24	17	9	Yarmouth.		
—	67	+20	27	+8	—	6.6	—	7.0	2.26	+0.33	0.41	23rd	19	9	1	0	3	16	6	18	0	9	13	1	1	0	0	6	17	14	10	Geldeston.		
—	—	—	—	—	—	—	—	—	2.76	—	0.38	24th	23	—	—	—	—	—	18	—	—	—	—	—	—	—	—	—	—	—	—	Cambridge.		
38.3	42.9	84	—	34	—	5.9	8.0	6.1	2.01	+0.39	0.26	11th	18	10	0	0	0	0	2	—	0	28	0	2	1	0	1	6	37	30	16	Clacton.		
—	73	+19	29	+8	—	6.8	—	6.9	1.85	+0.32	0.21	11th	20	8	1	0	2	15	1	—	0	5	2	1	0	0	1	7	21	24	6	Woburn.		
38.5	42.8	74	+23	30	+10	7.0	—	5.5	1.35	-0.10	0.21	27th	19	8	1	0	4	14	4	24	0	19	5	1	0	0	3	7	29	14	3	Bennington.		
40.4	44.4	755																																

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.												
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.			
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.	
		Ft.	Ins.	Ins.		°	°	°	°	°		°		°	°	°	°	°	In.	In.	In.	%	%	%		
5. ENGLAND, S.E.—cont.	Eastbourne	36	29.850	—	—	008	45.0	37.2	41.1	+0.9	52	16th	25	27th	41.5	—	41.4	1.4	—	1.4	*238	—	*237	88	—	89
	Dungeness	21	29.822	—	—	002	44.7	35.3	40.0	+0.6	51	16th	22	27th, 28th	39.7	42.7	41.7	1.1	1.6	1.3	*222	*239	*237	91	87	90
	Hastings	174	29.693	—	—	008	43.9	36.1	40.0	+0.5	51	10th	24	27th	39.8	—	40.2	1.0	—	1.1	*225	—	*226	92	—	91
	Southampton	84	29.805	—	—	008	45.2	36.3	40.8	+1.0	55	2nd, 14th	20	27th	39.6	—	40.4	1.1	—	1.3	*226	—	*229	90	—	89
	Ventnor	80	29.813	—	—	—	46.0	37.5	41.8	+0.1	53	2nd	24	27th	41.3	—	—	1.6	—	—	*227	—	—	88	—	—
District Value							44.4	35.1	40.0	+0.3	57		10													
LONDON	Tottenham	55	29.778	—	—	008	44.5	36.5	40.5	+1.5	56	2nd	22	27th	39.8	—	40.4	0.7	—	0.9	*236	—	*239	93	—	93
	Hampstead	450	29.361	—	—	008	43.2	34.3	38.8	—	54	2nd	19	27th	37.4	—	38.4	0.7	—	1.1	*216	—	*215	93	—	89
	Camden Square	123	29.720	—	—	008	45.1	34.6	39.9	+1.3	56	2nd	20	27th	39.2	—	40.1	1.1	—	1.3	*218	—	*221	90	—	89
	Westminster	54	29.789	—	—	003	45.6	35.4	40.5	+1.3	56	2nd	21	27th, 28th	39.1	—	41.7	1.1	—	1.9	*217	—	*225	91	—	86
	Greenwich	159	29.681	—	—	008	44.1	35.4	39.7	+1.3	55	2nd	20	27th	39.2	—	39.8	1.5	—	1.7	*210	—	*211	88	—	86
	Norwood	285	29.608	—	—	008	44.2	35.2	39.7	+1.1	55	2nd	20	27th	38.6	—	39.5	1.2	—	1.6	*210	—	*210	90	—	87
	Kew	34	29.828	—	—	008	44.5	36.1	40.3	+1.6	56	2nd	21	27th	39.4	42.9	40.3	1.8	3.0	1.9	*206	*214	*212	86	78	85
	Bunhill Row	—	29.829	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Poltalloch	135	29.491	—	—	006	42.6	31.4	37.0	—2.2	53	2nd	9	28th	36.5	—	36.2	1.7	—	1.7	*184	—	*182	85	—	86
6. SCOT. LAND, W.	Glasgow	184	29.444	—	—	006	41.6	32.3	37.0	—1.4	52	2nd	12	28th	36.5	—	37.0	1.4	—	1.4	*196	—	*198	86	—	86
	Rothsay	76	29.573	—	—	006	43.9	33.6	38.8	—0.7	54	2nd	14	26th	37.6	—	38.2	1.5	—	1.7	*196	—	*198	87	—	86
	Colmonell	150	29.559	—	—	—	43.5	34.3	38.9	—0.4	53	2nd, 9th	14	26th, 27th	38.6	41.0	—	1.8	2.6	—	*199	*204	—	85	80	—
	Esdailemuir	778	28.827	—	—	006	39.1	26.4	32.8	—	51	2nd	3	27th	33.6	35.1	34.6	0.6	0.9	0.8	*189	*194	*192	94	92	90
	Dumfries	155	29.530	—	—	006	42.5	32.8	37.7	—0.7	52	2nd	12	26th	36.4	—	37.3	1.3	—	1.3	*191	—	*197	89	—	89
7. ISLE OF MAN	Cally, Gatehouse	120	—	—	—	006	42.7	33.6	38.2	—0.1	51	7th	12	26th	37.7	—	37.2	1.6	—	1.5	*195	—	*193	86	—	87
	Douglas	284	29.425	—	—	006	44.4	36.4	40.4	—0.2	52	2nd	23	26th	39.7	—	39.9	1.5	—	1.6	*219	—	*220	86	—	86
	District Value						42.9	32.9	38.1	—1.6	57		0													
	Southport	42	29.727	—	—	007	42.7	34.9	38.8	+0.2	53	9th	16	26th	37.8	40.5	39.1	1.5	2.1	1.5	*198	*210	*209	88	83	88
	Manchester (City)	195	29.562	—	—	007	42.7	34.7	38.7	—	54	9th	15	27th	37.6	—	39.2	1.2	—	1.5	*207	—	*218	89	—	83
8. ENG. LAND, N.W.	„ (Whitworth Pk)	127	29.610	—	—	007	42.4	34.1	38.3	—	53	9th	14	27th	36.8	39.9	38.7	0.8	—	1.1	*202	—	*214	91	36	90
	Darwen	780	28.969	—	—	007	40.2	30.7	35.5	—	52	2nd	13	26th	35.6	—	36.3	0.6	—	0.7	*203	—	*208	93	—	92
	Aspatia	264	29.428	—	—	007	41.7	32.4	37.1	—0.1	51	2nd	16	26th	37.3	—	37.8	1.1	—	1.0	*201	—	*208	91	—	92
	Newton Rigg	559	29.077	—	—	007	41.8	30.5	36.2	—0.6	53	2nd	7	26th	34.7	—	36.5	0.8	—	1.0	*186	—	*197	93	—	92
	Stonyhurst	303	29.362	—	—	007	41.3	32.0	36.7	—1.0	54	9th	14	27th	36.0	—	37.7	1.1	—	1.3	*194	—	*205	86	—	86
	Blackpool	78	29.679	—	—	007	42.6	34.1	38.4	0.0	52	9th	17	26th	38.6	—	38.6	1.4	—	1.0	*207	—	*215	89	—	92
	M'nc'h'r (Prestwich)	320	29.409	—	—	007	41.7	31.9	36.8	—1.1	54	9th	11	27th	35.2	—	37.7	0.6	—	1.0	*194	—	*207	94	—	91
	Liverp'l, Bidston Obs.	197	29.551	—	—	007	43.5	35.7	39.6	+0.3	54	9th	21	27th	38.4	—	39.9	1.7	—	2.0	*199	—	*207	87	—	84
	Llandudno	21	29.764	—	—	007	45.3	36.7	41.0	—0.3	55	8th	23	27th	41.0	—	41.8	1.4	—	1.3	*227	—	*238	89	—	90
	Llaneugrad	414	29.457	—	—	007	42.8	35.6	39.2	—	50	9th	24	27th	39.4	—	39.2	1.3	—	1.1	*220	—	*223	89	—	90
9. NORTH WALES	HOLYHEAD	48	29.708	—	—	000	44.8	38.0	41.4	—0.5	51	9th	26	26th, 27th	41.6	43.2	42.0	1.3	1.8	1.5	*236	*240	*235	90	86	89
	Bettws-y-Coed	100	29.664	—	—	007	44.6	35.4	40.0	—0.1	52	2nd	17	27th	39.4	—	40.0	0.9	—	1.1	*224	—	*224	93	—	91
	District Value						43.2	34.2	38.9	—0.8	59		7													
	Llangammarch Wells	585	29.195	—	—	—	42.6	31.7	37.2	+0.7	51	9th	8	27th	36.6	—	—	0.7	—	—	*203	—	—	94	—	—
	PEMBROKE	150	29.662	—	—	000	46.5	38.9	42.7	+0.1	51	9th, 15th	25	27th	42.8	44.0	43.2	1.5	1.9	1.8	*243	*246	*240	88	85	36
10. SOUTH WALES	Clifton	229	—	—	—	—	44.9	35.5	40.2	+0.6	54	9th, 15th	20	27th	—	—	—	—	—	—	—	—	—	—	—	—
	PORTLAND BILL	23	29.845	—	—	000	46.6	39.6	43.1	+2.2	51	9, 10, 16	29	27th	43.6	44.6	43.9	0.8	1.1	0.6	*266	*270	*273	93	92	95
	Plymouth	116	29.786	—	—	008	47.2	39.1	43.2	+1.1	54	14th	26	27th	41.9	44.2	43.5	1.2	1.7	1.5	*246	*250	*250	90	87	89
	Falmouth	183	29.741	—	—	008	47.5	40.7	44.1	+0.6	53	18th	32	27th	43.2	45.6	44.3	2.0	2.3	2.0	*236	*255	*247	85	83	84
	Woolacombe	79	29.766	—	—	008	46.2	39.7	43.0	0.0	52	9th, 16th	24	27th	42.7	—	43.5	1.7	—	1.6	*238	—	*247	87	—	87
11. ENG. LAND, S.W.	Whitchurch	595	29.256	—	—	008	43.9	35.0																		

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of JANUARY, 1910.

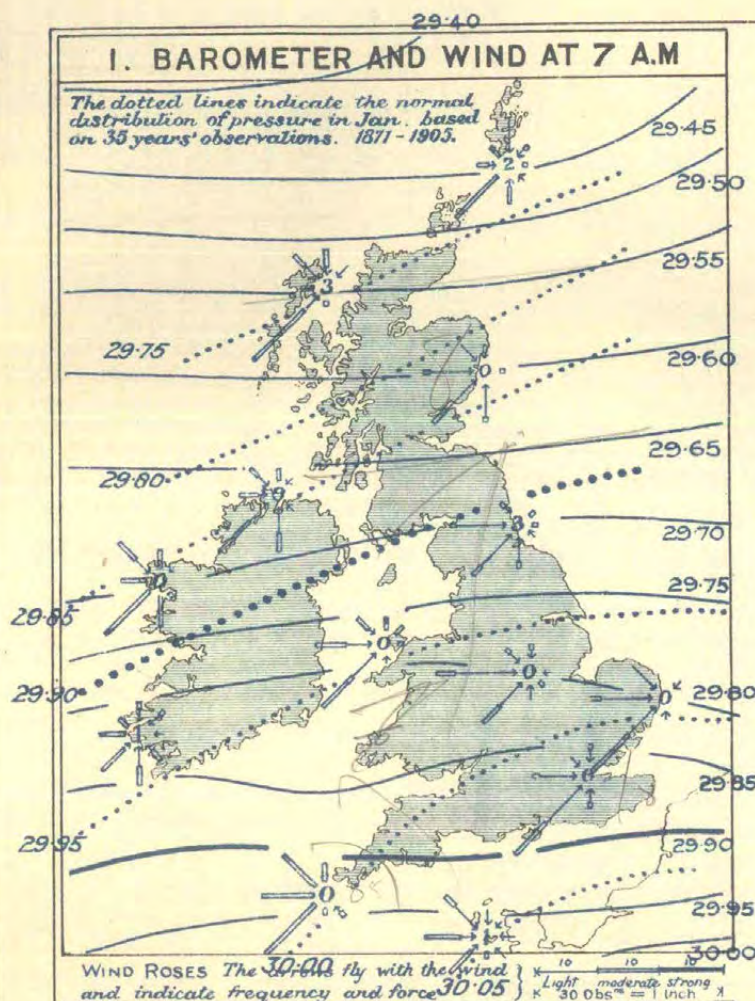
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																						
41.7	44.9	75	+ 19	29	+ 7	7.4	—	5.8	3.36	+0.63	0.60	23rd	16	2	1	0	6	16	1	—	2	11	2	11	3	0	2	1	15	12	16	Eastbourne.	
—	—	—	—	—	—	7.7	7.7	7.9	3.03	+1.18	0.75	23rd	19	5	1	0	0	11	5	—	5	45	0	0	2	3	1	7	35	26	19	Dungeness.	
39.8	43.9	72	+ 11	28	+ 5	7.3	—	6.5	2.61	+0.11	0.72	23rd	21	6	1	1	1	15	7	14	3	24	1	2	0	2	1	6	21	14	15	Hastings.	
—	—	64	+ 12	25	+ 5	7.0	—	5.7	3.58	+0.78	0.90	27th	19	2	0	0	6	13	2	13	1	29	0	0	4	0	8	0	26	2	22	Southampton.	
—	—	75	+ 17	29	+ 7	7.5	—	—	2.42	+0.37	0.58	23rd	22	4	1	1	2	16	0	—	0	16	1	2	4	3	1	2	16	21	12	Ventnor.	
40.4	43.9	67	+ 17	26	+ 7	7.4	—	6.5	2.65	+0.38	1.31	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	44.1	61	—	24	—	7.6	—	6.9	1.38	—	0.35	23rd	13	1	0	0	1	15	0	10	0	7	2	1	0	0	0	2	30	14	13	Tottenham.	
—	63	—	—	25	—	6.7	—	6.7	1.57	—	0.35	27th	14	7	0	0	3	15	1	—	0	15	0	4	0	1	1	3	23	17	13	Hampstead.	
39.5	43.3	50	—	20	—	6.5	—	—	1.57	+0.30	0.37	23rd	14	2	0	0	5	15	0	15	—	—	—	0	3	0	0	1	3	7	10	17	Camden Square.
—	—	35	+ 16	14	+ 7	6.1	—	5.9	1.53	+0.29	0.40	23rd	15	2	0	0	2	10	0	14	2	17	4	2	1	0	0	4	28	15	8	Westminster.	
—	43.5	54	+ 13	21	+ 5	7.5	—	6.7	1.72	+0.16	0.57	28th	15	5	0	0	1	14	4	13	0	16	4	4	0	0	1	7	28	12	6	Greenwich.	
39.7	—	—	—	—	—	7.0	—	6.4	1.94	+0.09	0.60	27th	16	5	0	0	2	12	6	14	0	9	4	4	0	0	2	7	20	20	5	Norwood.	
39.9	44.5	63	+ 21	25	+ 8	7.2	6.5	6.4	1.68	+0.11	0.46	23rd	15	3	0	0	4	14	0	13	0	25	9	2	0	0	2	8	37	26	9	Kew.	
—	—	24	+ 9	9	+ 3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.	
—	—	32	—	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	—	—	—	—	7.5	—	6.7	6.19	+1.16	0.75	23rd	21	6	6	4	3	16	0	—	3	23	8	10	3	1	0	3	16	17	4	Poltalloch.	
—	—	24	+ 1	10	0	8.8	—	7.1	4.11	+0.49	0.62	8th	13	9	4	3	0	17	0	15	0	18	12	4	4	0	0	1	25	12	4	Glasgow.	
—	41.8	—	—	—	—	7.2	—	5.5	5.61	+1.01	0.88	15th	21	8	4	2	4	12	3	—	3	23	15	6	2	5	0	3	6	19	6	Rothsay.	
—	—	—	—	—	—	6.7	—	—	2.55	+2.04	0.53	15th	19	2	3	2	7	18	0	10	6	18	2	0	2	12	2	2	8	22	12	Colmonell.	
—	—	44	—	19	—	7.2	8.0	7.4	5.59	—	0.89	9th	22	8	0	0	2	18	0	—	—	—	—	—	—	—	—	—	—	—	—	—	Esdalesmuir.
37.6	40.4	49	—	21	—	7.9	—	6.1	2.11	+1.89	0.35	18th	18	5	0	0	2	15	3	14	7	22	4	5	8	0	0	4	22	10	9	Dumfries.	
—	—	—	—	—	—	—	—	—	2.98	+1.67	0.37	15th	23	9	3	1	—	—	0	—	2	15	0	4	15	5	6	0	9	7	16	Cally.	
—	—	62	+ 13	26	+ 6	7.2	—	6.0	3.43	+0.57	0.97	23rd	24	7	8	1	1	12	7	10	1	22	0	4	4	0	1	9	22	16	6	Douglas.	
—	—	43	+ 6	18	+ 2	7.5	—	6.8	4.75	+0.06	1.70	—	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
37.4	40.3	63	+ 22	26	+ 9	6.4	7.5	6.1	3.48	+0.78	0.76	23rd	18	4	3	0	2	12	1	10	4	59	2	10	2	3	13	15	22	14	12	Southport.	
38.3	42.9	16	—	7	—	7.5	—	6.2	4.16	+1.27	1.01	15th	24	8	2	1	0	9	3	8	0	2	2	3	4	2	10	15	13	10	3	Manchester (City).	
—	—	22	—	9	—	7.7	8.4	7.3	3.55	—	0.80	15th	23	6	0	1	1	16	3	17	0	10	17	5	2	0	6	28	16	9	10	" (Whit. Pk).	
37.8	41.3	38	—	16	—	7.7	—	8.0	6.75	—	1.80	15th	22	7	5	3	1	17	2	21	2	37	0	3	0	0	2	17	16	13	11	Darwen.	
—	—	45	—	19	—	7.1	—	6.6	4.15	+1.26	0.75	14th	20	6	1	0	3	15	0	11	0	19	4	4	3	0	0	9	23	15	4	Aspatia.	
38.3	40.4	40	—	17	0	7.0	—	6.0	4.15	+0.79	0.65	15th	21	8	6	0	4	13	2	17	3	22	1	4	4	6	4	9	21	11	2	Newton Rigg.	
—	—	44	+ 10	18	+ 4	7.7	—	7.2	8.40	+4.31	2.07	15th	22	8	10	0	4	18	1	12	0	8	18	2	2	0	0	5	20	9	6	Stonyhurst.	
39.8	43.7	66	+ 28	27	+ 12	7.2	—	6.9	3.72	+0.96	0.68	15th	22	4	2	2	3	15	0	10	0	30	0	5	5	2	5	9	16	12	8	Blackpool.	
—	—	27	+ 6	11	+ 2	9.0	—	6.2	4.33	+1.24	1.14	15th	23	6	1	1	0	16	3	13	0	12	7	4	1	4	2	14	15	10	5	Manch'str (Prest).	
—	—	88	—	36	—	6.2	—	7.2	2.17	+0.03	0.62	23rd	19	3	1	0	0	11	2	—	0	21	2	2	1	3	9	8	19	11	7	Liver'pol, Bid.Obs.	
—	—	60	+ 12	24	+ 5	6.6	—	8.6	3.61	+0.99	0.58	15th	21	5	2	0	2	18	0	—	1	8	0	9	2	0	6	6	22	13	4	Llandudno.	
39.8	42.9	57	—	23	—	6.5	—	6.6	4.42	—	0.88	15th	23	7	6	0	5	12	3	12	3	27	1	3	3	1	2	18	15	15	4	Llaneugrad.	
—	—	—	—	—	—	7.3	8.2	6.8	3.72	+0.63	0.53	28th	21	5	3	0	0	12	6	—	4	58	1	5	5	3	2	9	34	24	10	Holyhead.	
40.2	43.5	34	—	14	—	6.7	—	6.9	7.26	—	1.28	15th	23	7	9	4	1	11	0	7	4	17	0	6	1	1	0	8	22	14	14	Bettws-y-Coed.	
38.8	42.1	53	+ 15	22	+ 6	7.2	8.0	6.9	4.31	+1.28	2.07	—	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, JANUARY, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Days.	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Day.					
			Max.	Min.																			
0. SCOTLAND, N.	p Balta Sound - - S	31	40.6	32.6	36.6	-	49	1, 3, 6	13	28th	37.3	-	-	5.60	-	0.59	16th	29	29	-	15	-	
1. SCOTLAND, E.	p Crathes - - S	140	40.5	28.0	34.3	-	58	2nd	1	28th	33.7	36.1	20	1.78	-	0.27	15th	18	57	-	25	-	
	p Stonehaven - -	286	40.0	29.6	34.8	-	57	3rd	14	27th, 28th	-	-	-	1.54	-	0.28	15th	18	67	-	30	-	
	p Balruddery - - S	276	40.7	28.8	34.8	-	50	3rd, 9th	6	29th	-	-	-	2.07	-	0.40	10th	16	62	-	27	-	
	Edinburgh - -	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	+ 14	19	+	
2. ENGLAND, N.E.	a West Linton - - S	800	38.9	24.5	31.7	- 4.1	52	1st	- 5	26th	-	-	19	3.81	-	0.59	17th	21	47	-	20	-	
	a Alnwick Castle - -	210	42.4	31.0	36.7	- 1.1	55	1st	7	27th	-	-	-	3.56	+ 1.45	1.00	28th	18	-	-	-	-	
	p Newcastle-on-Tyne - -	152	42.5	33.2	37.9	-	56	2nd	16	27th	-	-	-	1.80	- 0.06	0.40	28th	20	38	+ 11	16	+ 5	
	p Ampleforth - -	349	40.8	31.2	36.0	-	52	2nd	12	27th	-	-	-	2.11	-	?	?	?	-	-	-	-	-
3. ENGLAND, E.	p Tealby - -	251	41.1	30.8	36.0	- 0.9	54	2nd	13	26th	-	-	-	1.57	- 0.14	?	?	10	-	-	-	-	-
	a Fulbeck - -	180	42.0	31.9	37.0	+ 0.8	53	9th, 16th	15	27th	-	-	16	1.70	+ 0.03	0.40	24th	19	-	-	-	-	-
	a Rauceby - -	124	42.7	32.2	37.5	-	54	9th, 16th	18	27th	38.8	43.0	18	1.60	- 0.25	0.47	24th	18	74	-	30	-	
	a Felixstowe - -	10	43.0	33.6	33.3	- 0.2	54	14th	22	26th, 27th	-	-	-	1.25	-	0.23	27th	22	83	-	33	-	
4. MIDLAND COUNTIES	a Rothamsted - -	424	41.0	32.8	38.4	+ 1.3	54	2nd	18	27th	-	-	-	1.99	- 0.22	0.62	27th	20	74	+ 26	29	+ 10	
	a Shoburyness - -	13	44.0	34.7	39.4	+ 1.1	52	10th, 14th	23	27th	-	-	-	1.15	- 0.23	0.25	23rd	14	-	-	-	-	-
	a Southend-on-Sea - -	100	42.9	33.5	38.2	-	51	14th	21	26th, 27th	40.1	-	13	1.32	- 0.18	0.27	27th	17	75	-	30	-	
	a Harrogate - -	476	40.7	31.6	36.2	- 0.7	53	2nd	14	27th	38.1	40.4	16	4.17	+ 1.98	0.57	27th	20	65	-	27	-	
5. ENGLAND, S.E.	a Bradford - -	489	41.3	31.2	36.3	-	54	2nd	10	27th	37.3	41.9	14	6.27	-	1.25	27th	19	43	-	18	-	
	a Cheadle - -	646	41.3	29.3	35.3	- 1.3	51	2nd	14	27th	-	-	20	2.83	+ 0.29	0.56	27th	21	-	-	-	-	-
	a Bawtry - -	65	42.5	31.8	37.2	- 0.1	56	2nd	12	27th	-	-	-	1.69	+ 0.04	0.45	23rd	14	-	-	-	-	-
	a Worksop - -	56	43.7	31.1	37.4	+ 0.1	57	2nd	13	27th	37.9	41.2	21	1.91	- 0.08	0.38	24th	16	56	+ 20	23	+ 8	
6. SCOTLAND, W.	a Mayfield (Staffs.) - -	374	41.5	30.3	35.9	-	53	2nd	8	27th	-	-	14	3.11	-	0.54	23rd	20	-	-	-	-	-
	a Belper - -	222	42.1	31.0	36.6	-	54	2nd	11	27th	-	-	13	2.85	-	0.49	23rd	19	-	-	-	-	-
	a Kingston-on-Soar - -	125	42.9	31.5	37.2	-	55	2nd	11	27th	39.4	-	-	1.83	-	0.35	23rd	17	-	-	-	-	-
	p Rugby - -	379	43.3	31.2	37.3	+ 0.5	57	2nd	13	27th	-	-	19	2.68	-	0.38	23rd	19	-	-	-	-	-
7. ENGLAND, N.W.	a Raunds - -	216	43.7	31.0	37.4	- 0.4	57	2nd	16	27th	-	-	17	1.60	-	0.32	27th	17	-	-	-	-	-
	a Winslow - -	379	42.2	32.0	37.1	-	59	16th	16	27th	-	-	13	1.75	-	0.33	27th	18	-	-	-	-	-
	a Hereford - -	291	44.6	32.6	38.6	+ 0.3	57	2nd	14	27th	-	-	25	2.79	+ 0.49	0.50	27th	19	-	-	-	-	-
	a Cirencester - -	446	43.7	30.8	37.3	0.0	57	14th	10	27th	-	-	16	2.36	- 0.22	0.52	27th	21	62	+ 15	25	+ 6	
8. ENGLAND S.W.	a Epsom - -	160	44.7	33.4	39.1	-	55	2nd	17	27th	-	-	17	2.24	-	0.95	27th	17	-	-	-	-	-
	a Wokingham - -	216	44.4	30.6	37.5	-	52	2nd	10	27th	-	-	-	2.15	-	0.65	27th	17	-	-	-	-	-
	a Maidenhead - -	99	45.8	33.0	39.4	-	56	2nd	17	27th	-	-	16	1.91	- 0.06	0.47	27th	14	-	-	-	-	-
	a Marlborough - -	424	43.6	32.5	38.1	+ 0.6	51	2, 9, 16	14	27th, 28th	-	-	15	3.05	+ 0.25	0.75	27th	22	54	+ 12	21	+ 4	
9. ENGLAND, N.W.	a Bucklebury - -	409	43.4	32.8	38.1	-	53	2nd	17	27th	-	-	23	1.97	-	0.49	23rd	18	-	-	-	-	-
	a Swaraton - -	310	43.6	33.1	38.4	+ 1.0	53	2nd	14	27th	-	-	-	3.00	+ 0.20	0.83	27th	20	-	-	-	-	-
	a Margate - -	35	44.7	35.8	40.3	+ 1.3	53	14th	27	26th, 27th	40.7	43.1	8	2.09	+ 0.36	0.50	28th	18	63	+ 16	25	+ 6	
	Broadstairs - -	140	-	-	-	-	-	-	-	-	-	-	-	2.57	-	0.67	28th	18	76	-	30	-	
10. ENGLAND, N.W.	Ramsgate - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79	-	31	-	-
	a Wisley - -	150	44.8	34.7	39.8	+ 1.8	57	2nd	19	27th	39.6	43.6	13	1.80	-	0.67	27th	17	77	-	30	-	-
	a Basingstoke - -	289	43.6	33.4	38.5	-	54	2nd	15	27th	-	-	13	2.79	-	0.85	27th	20	-	-	-	-	-
	a Dover - -	231	44.5	34.0	39.3	-	51	10th, 14th	17	28th	47.4	44.9	13	3.37	-	0.65	23rd	19	76	-	30	-	-
11. ENGLAND, N.W.	a Tunbridge Wells - -	421	43.3	33.4	38.4	+ 1.0	52	2nd	18	27th, 28th	39.0	-	15	3.20	+ 0.64	0.80	27th	19	61	+ 14	24	+ 6	
	a Matfield - -	320	43.7	34.7	39.2	-	53	14th	21	27th	-	-	13	3.19	-	0.77	27th	17	-	-	-	-	-
	p Folkestone - -	121	43.3	34.8	39.1	-	50	10th, 14th	23	26th	-	44.3	-	3.38	+ 0.99	0.66	24th	16	74	-	29	-	-
	Littlestone - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-	25	-	-
12. ENGLAND, N.W.	a Bexhill - -	27	44.6	35.9	40.3	-	50	10th, 14th	22	27th	42.1	-	8	2.42	-	0.66	23rd	20	64	-	25	-	-
	Hove - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71	-	28	-	-
	p Lewes - -	58	44.4	36.5	40.5	-	52	2nd	24	27th	-	-	-	3.42	-	0.72	23rd	27	-	-	-	-	-
	a Worthing - -	36	44.8	35.1	40.0	+ 1.1	51	14th	22	27th	40.1	44.3	12	3.20	+ 0.74	0.78	23rd	20	75	-	29	-	-
13. ENGLAND, N.W.	a Bognor - -	20	45.5	36.1	40.8	-	51	14th	23	27th	-	-	12	2.90	-	0.85	23rd	17	79	-	31	-	-
	Westbourne - -	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	22	-	-
	a Totland Bay - -	140	45.7	37.3	41.5	+ 1.6	52	2nd	21	27th	-	-	12	2.48	+ 0.11	0.59	27th	17	77	-	30	-	-
	a Sandown - -	20	46.5	37.2	41.9	-	53	10th	24	27th	-	-	-	2.74	-	0.56	23rd	21	74	-	29	-	-
14. ENGLAND, N.W.	p Bournemouth - -	145	45.3	35.8	40.6	-	54	2nd, 14th	18	27th	40.8	42.9	-	2.28	-	1.15	27th	20	79	-	31	-	-
	a Laudaie - -	25	-	-	-	-	57	15th	15	27th	-	-	-	12.50	+ 4.17	1.70	15th	27	-	-	-	-	-
	p Oban - -	20	44.3	32.2	38.3	-	55	3rd	10	28th	-	-	13	6.73	-	1.10	26th	22	53	-	23	-	-
	a Thorntonhall (Lanarkshire) - -	440	40.8	29.3	35.1	-	53	1st	8	26th, 28th	-	-	17	3.82	-	0.61	15th	20	31	-	13	-	-
15. ENGLAND, N.W.	a Kilmarnock - -	90	42.2	29.1	35.7	- 3.7	54	1st	0	28th	-	-	-	3.29	-	0.45	13th	16	47	-	12	-	-
	p Ruthwell - -	67	41.7	31.3	36.5	-	51	2nd	10	26th	-	-	-	2.92	-	0.64	15th	21	55	-	23	-	-
	a Carnforth - -	174	41.8	31.9	36.9	-	51	9th	13	27th	-	-	15	4.80	-	1.41	15th	22	40	-</			

1. BAROMETER AND WIND AT 7 A.M.

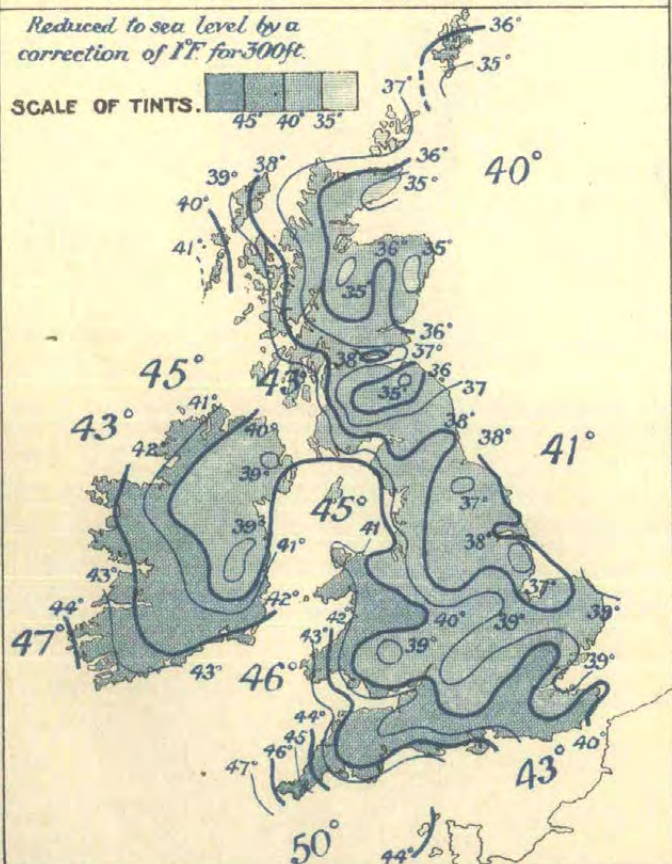
The dotted lines indicate the normal distribution of pressure in Jan. based on 35 years' observations. 1871-1905.



3. DISTRIBUTION OF MEAN TEMPERATURE.

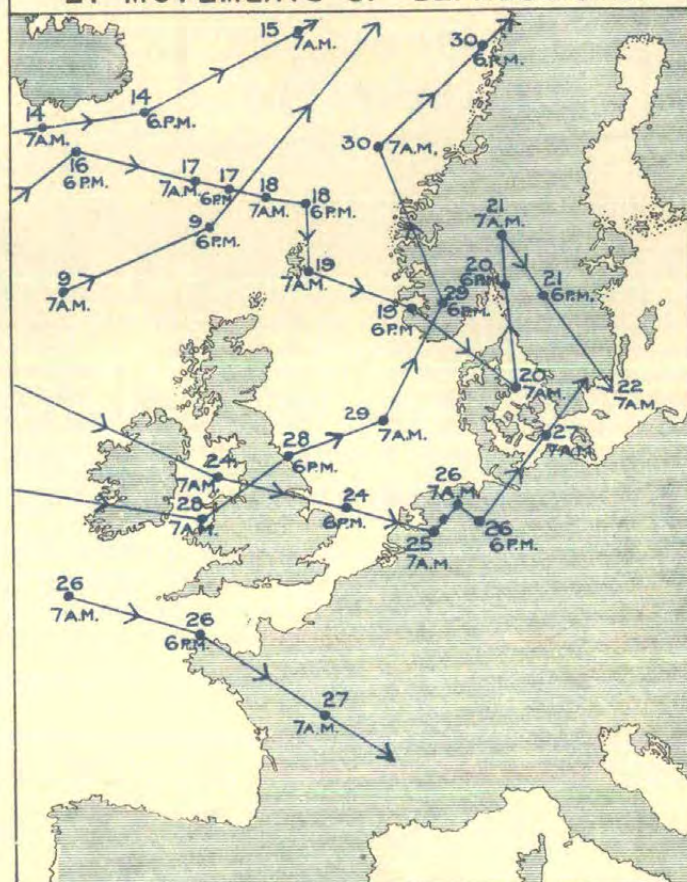
Reduced to sea level by a correction of 1°F for 300ft.

SCALE OF TINTS.



The temperature of the sea is indicated by large figures thus 43°.

2. MOVEMENTS OF DEPRESSIONS.



4. BRIGHT SUNSHINE, IN HOURS.

Isobars are shown for 30, 50, and 70 hours.

SCALE OF TINTS.



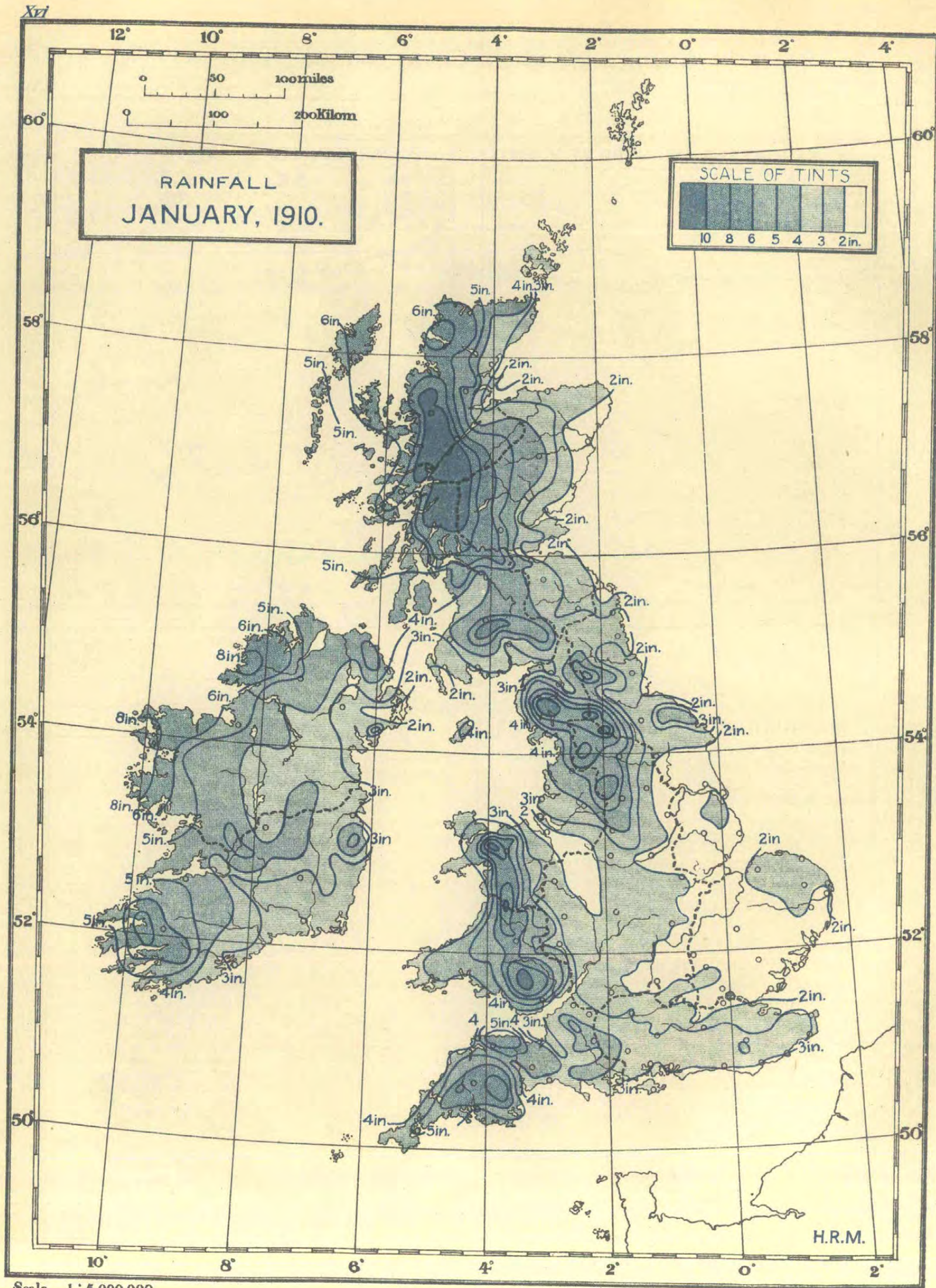


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, JANUARY, 1910.

DISTRICT.	STATION.	Height of Gauge above. M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.					
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Days.	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Ins.	Ins.					
			Max.	Min.																			
		Ft.	°	°	°	°	°												Hrs.	Hrs.	%	%	
8 ENGLAND, S.W. (continued)	Port Talbot - - -	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	44	—	17	—	
	Forest of Dean - -	200	—	—	—	—	—	—	—	—	—	—	—	3'45	—	0'78	27th	15	—	—	—		
	" - - -	900	—	—	—	—	—	—	—	—	—	—	—	3'51	—	0'81	27th	23	—	—	—		
	a Cardiff - - -	50	43'8	35'3	39'6	- 0'7	53	9th, 16th	18	27th	40'3	43'9	13	4'75	+0'92	0'67	23rd	24	56	—	22	—	
	a Swansea - - -	24	45'0	36'0	40'5	—	52	13th	23	27th	—	—	11	5'30	—	0'82	23rd	27	52	—	20	—	
	a Shaftesbury - -	722	42'7	33'6	38'2	- 0'8	51	14th	21	27th	39'7	—	—	3'54	+0'76	1'12	23rd	22	—	—	—	—	
	a Arlington - - -	613	44'2	34'2	39'2	- 0'7	51	9th, 15th	18	27th	—	—	—	6'80	+2'32	1'60	24th	23	—	—	—	—	
	a Cullompton - -	202	46'0	34'0	40'0	+ 0'2	54	9th	10	27th	—	—	15	5'03	+1'77	1'24	23rd	24	55	+ 10	21	+ 4	
	Torquay - - -	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	67	+ 8	26	+ 3	
	a Weymouth - - -	21	46'5	37'3	41'0	—	53	3rd	20	27th	—	—	—	3'19	—	0'94	27th	17	73	—	28	—	
	p Paignton - - -	11	46'7	37'2	42'0	—	55	14th	24	27th	—	—	—	4'31	—	1'01	27th	21	69	—	27	—	
	a Sheepstor - - -	749	44'4	32'6	38'5	—	51	14th	23	27th	—	—	—	8'11	—	1'23	31st	25	—	—	—	—	
	a Newquay - - -	100	47'7	40'6	44'2	+ 0'5	53	8, 9, 15	29	27th	45'4	—	—	3'19	-0'15	0'66	18th	25	46	- 7	18	- 2	
	Salcombe - - -	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58	—	22	—	
9 IRELAND, N.	a Penzance - - -	54	48'7	41'7	45'2	—	54	2nd	34	27th	—	—	—	4'72	—	0'67	27th	23	53	—	20	—	
	p Dunfanaghy - - -	54	45'5	35'5	40'5	—	55	2nd	22	26th	—	—	—	6'47	—	0'67	16th	26	—	—	—	—	
	p Dublin (Glasnevin) -	67	45'8	33'5	39'7	- 0'8	56	2nd	16	27th	—	—	25	3'57	+1'29	1'55	27th	18	—	—	—	—	
	a Kingstown - - -	42	46'2	36'2	41'2	—	58	1st	22	27th	—	—	—	3'06	—	1'52	27th	17	75	—	30	—	
10, IRELAND, S.	p Clongowes Wood College	245	44'5	32'1	38'3	—	55	2nd	18	27th	—	—	17	2'59	—	0'68	27th	19	63	—	26	—	
	a Mountmellick - -	253	43'3	32'9	38'1	—	54	1, 2	15	27th	—	—	—	4'27	—	1'10	26th	19	—	—	—	—	
	p Newcastle (Co. Wicklow)	256	45'3	35'4	40'4	—	57	2nd	20	22nd	—	—	—	4'34	—	1'53	28th	19	—	—	—	—	
	a Kilkenny - - -	212	45'1	33'3	39'2	- 1'5	56	9th	18	30th	—	—	—	2'89	-0'50	0'56	27th	24	—	—	—	—	
	a Cahir - - -	199	45'4	35'7	40'6	- 0'7	54	9th	23	27th	—	—	—	3'91	—	0'61	10th	22	—	—	—	—	
	a Foynes - - -	108	46'5	36'5	41'6	+ 0'2	54	1, 8, 9, 15	20	27th	—	—	—	4'85	+1'19	0'62	23rd	26	—	—	—	—	
11. ENGLISH CHANNEL	a Ballinacurra - - -	34	46'6	36'9	41'8	—	53	1st	26	27th	—	—	—	2'62	—	0'40	23rd	26	50	—	20	—	
	a Guernsey (Villa Carey) -	180	46'8	39'6	43'2	- 0'1	53	10th	32	27th	—	—	—	5'29	+1'70	0'71	23rd	25	60	+ 8	23	+ 3	

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For the Royal Observatory, Greenwich, and the Radcliffe Observatory, Oxford, averages for longer periods are used. See Notes in Monthly Weather Reports for 1908. 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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 0, the number of persistently foggy days was 0.

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 A and B. 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 A. 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.

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.—Practically all through the month of February the atmospheric conditions over the entire area of the United Kingdom were of a persistently unsettled and frequently stormy type. There was only one day, the 9th, on which the country was covered by a high pressure system, and it was of only moderate intensity. As the northern portion of its central space moved eastward across Southern England the barometer rose to 30·4 ins. or above at various stations, to 30·45 ins. at Yarmouth, and 30·46 ins. at Jersey. With this exception pressures in excess of 30 ins. were confined to southern stations on occasional days, the anticyclones usually occupying the western or the eastern portions of the Continent or almost the entire region, while at times the highest pressure was found to extend from the Atlantic across Northern Africa. Over the British Isles or the sea to the westward and northward more or less important cyclonic systems were continuously in evidence, the disturbances as a rule being very deep, the barometer standing below 29 ins. at various stations on as many as twenty-four out of the twenty-eight days. The direction in which the minima of pressure advanced was, however, very varied. Four of the systems passed across these islands to the North Sea or the Baltic region, and two followed northerly paths in the immediate vicinity of our western coasts, disappearing beyond the Arctic Circle; the others were all centred in far northern localities. The deepest depression of the month was found over Donegal Bay on the evening of the 20th, when the barometer sank to 28·14 ins. at Blacksod Point, 28·15 ins. at Malin Head, and below 28·5 ins. at nearly all the western stations. The range of pressure over the country generally was considerable, least in the south and south-east of England, 1·3 in. at Jersey and in London, greatest in Ireland, 2·1 ins. at Malin Head, Blacksod Point, Valencia and Birt Castle.

The mean pressure for the month was everywhere very much below the normal level. At Jersey the deficiency amounted to 0·29 in., and at Dungeness to 0·32 in. increasing to more than $\frac{1}{2}$ in. over the northern districts, 0·52 in. at Malin Head, Stornoway and Wick, and 0·53 in. at Sumburgh Head. There was thus a much steeper gradient than usual—nearly double—a difference of 0·50 in. between Jersey and Shetland, against the normal of 0·26 in. The actual means ranged from 29·85 ins. at Paris, and 29·75 ins. at Jersey to 29·25 ins. at Sumburgh Head, further diminishing to 29·12 ins. in the Farøe, and 29·03 ins. at Reykjavik, Iceland. The distribution of mean pressure was of a well-marked Southerly to Westerly type, and the winds reported were mainly from this quarter, occasionally passing to the Eastward of South, or to the Northward of West. As would be inferred from the steepness of the mean gradient the month generally was rough and boisterous, the force of a strong wind being exceeded at one or more of the telegraphic reporting stations on twenty-six days, attaining gale force on nineteen days, a strong gale or over on ten consecutive days, 13th to 22nd, and again on the three days, 25th to 27th.

With the exception of a small depression which passed from the north of Ireland to Denmark on the 7th, the disturbances of the first half of the month were all found in the extreme north of the area under observation. Their principal influence on our weather was the production of rain daily over the country generally. Large falls were, however, uncommon. Kinlochewe had 1·5 in. on the 4th, and a little over an inch was measured locally in Lancashire and Cumberland on the 6th. Strong or high winds were frequently and widely felt, but at few places was the force of a gale reached.

On the evening of the 13th, with the appearance of a large depression on the Atlantic, at a considerable distance westward from the Hebrides, a very stormy period set in. For about four days the system remained almost stationary, then advanced between the Farøe and Shetland by the evening of the 17th, with the barometer as low as 28·36 ins., and subsequently disappeared on a north-easterly course. South-Westerly high winds and gales were reported at numerous stations daily from the 13th to the morning of the 18th, a strong gale at most places on the western coasts, from Scilly to Stornoway, a whole gale at Portland Bill and Nottingham. The anemometrical records show that on the 14th Pendennis had a mean hourly velocity of 56 miles; on the 17th 52 miles, Kingstown and Southport 55 miles; and on the 18th Scilly 53 miles. There were many instances of velocities in gusts exceeding a rate of 60 miles per hour—on the 17th Southport registered one of 76 miles an hour. Again, although there was abundance of rain every day, there were only some half-dozen cases of an inch. Thunderstorms occurred each day in widely separated districts.

After the 17th the conditions assumed an even more tempestuous aspect. Wireless reports from steamers out on the Atlantic showed that on the morning of the 18th the centre of a very deep cyclonic system, with the barometer below 28·6 ins., had appeared in 47° N., 24° W. By evening it had advanced to 49° N., 18° W., barometer 28·2 ins. Next day it was skirting our western coasts, a ship beyond the north-west of Ireland

reporting a barometer reading as low as 28·13 ins. When the disturbance reached the Farøe on the morning of the 20th, with the barometer below 28·4 ins., wireless reports disclosed a new pressure minimum in 52° N., 15° W., barometer 28·2 ins. Following practically the same line of progression as its predecessor, and travelling at the same rate, it disappeared beyond the Arctic Circle on the 22nd. On the western sides of these systems ships out on the Ocean experienced severe Westerly to Northerly gales, while over the United Kingdom the wind was mainly from South and South-West. The records of a strong gale are too numerous to be detailed, a whole gale at Nottingham, Jersey and in London, a storm (force 11) at Portland Bill. These estimated forces were confirmed by the autographic registers at the anemometrical stations. Of these the largest wind-paths in one hour were:—on the 18th, 53 miles at Scilly, and 60 miles at Pendennis; on the 19th, 51 miles at Scilly; on the 20th, 53 miles at Scilly and Shoeburyness, and 62 miles at Pendennis; and on the 21st, 56 miles at Plymouth, 59 miles at Kingstown, and 63 miles at Southport. Very severe gusts were frequent, a velocity at the rate of 87 miles an hour being reached at Pendennis on the 18th; 70 miles at Plymouth, and 72 miles at Scilly on the 19th; 70 miles at Southport and Shoeburyness, 82 miles at Pendennis, and 86 miles at Scilly on the 20th; and 73 miles at Plymouth, and 85 miles at Southport on the 21st. Thunderstorms, or thunder or lightning alone, occurred at a large number of places in the southern half of England and in Wales on the 20th, and in a few scattered localities in the three kingdoms on the other days. The heaviest rainfalls were 1·5 in. at Caragh Lake, Kerry, on the 18th, 1·3 in. at Gruline, Mull, on the 19th, and 1·5 in. at Penrhyn Quarries on the 20th. Snow fell in various localities, but to no great depth, Dumfries noted $5\frac{1}{2}$ ins., and Cally 2 ins. on the 20th.

During the remainder of the month secondary disturbances detached from a large system out on the Atlantic passed across Ireland and England to the North Sea or the Baltic, so that unsettled weather was maintained to the end, rainy generally, snow in many places, heavy at Foynes for five hours on the morning of the 24th, and about 3 ins. at Alnwick and Heddon-on-the-Wall on the 26th. With the exception of the 24th the force of a gale or a strong gale was reported each day, and on the 22nd gusts at the rate of 73 miles an hour were registered at Roche's Point.

Throughout the month temperature was more than usually uniform somewhat above the normal. On the 5th or 6th maxima above 56° occurred in various parts of Wales and Ireland, 59° at Foynes. There were few afternoon values below 40°, but on the 8th Eskdalemuir and Sumburgh Head did not exceed 33°, and next day Stonehaven only touched 30°. Night minima below 25° were rarely registered, but on the 9th Crathes, Laudale, and Poltalloch went down to 20°, West Linton to 18°, Eskdalemuir to 14°, and Balmoral to 9°. On the other hand there were large numbers of night readings of 46° and upwards, the warmest nights being those of the 5th and 6th, when several Irish stations remained as high as 51°, Colwyn Bay, Kingstown and Killarney 52°.

Fog was uncommon both on land and at sea. From the 5th to the 7th it was reported at several places on the western and southern coasts, thick at the Owers light vessel, and from the 3rd to the 8th locally on the east coast of England.

The temperature of the sea water along our coasts was not very different from what it had been during January, slightly lower in most localities. On the north-east coast of England the water was about a degree colder than the air on shore, but in most other districts it was rather warmer, by as much as 3° off the south-west and north-east and north of Ireland, 4° at Stornoway, and 6° off Orkney.

Rainfall.—Precipitation was exceptionally frequent, on 27 or 28 days in a large number of instances, but Dunrobin had only 13 rain days. Balmoral 14, and a few other places less than 20. This remarkable frequency was more striking than the quantity received. Several northern stations returned less than the normal amount, and speaking generally the excess at other stations was less than 2 ins., but some western ones had an excess of more than 3 ins., Killarney 4·1 ins., and Markree Castle 4·4 ins. Totals exceeding 6 ins. were numerous, and in the hilly districts many stations had more than 10 ins., ranging up to 22·2 ins. at Seathwaite, and 45·1 ins. at the Sty, Cumberland. Aggregates under 2 ins. were few, but Nairn had just under an inch, and Fearn, Lower Pitkerrie, 0·6 in. In many parts of the kingdom much land was under water as the result of the persistent rains.

Bright Sunshine.—Notwithstanding the frequent rains the duration of bright sunshine was nearly everywhere above the average, by more than 20 hours in several cases, 38 hours at Phoenix Park, and 42 hours at Torquay. The largest aggregates were 110 hours at Nairn and Rhyl, 111 at Salcombe, 113 at Scilly, 115 at Penzance, 117 at Torquay, and 118 at Kingstown. At the other extreme Glasgow had 42 hours, Kilmarnock 40, and Balta Sound 38 hours.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at Station above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.	CASTLEBAY -	48	29.213	-.528	.000	45.1	36.8	41.0	+0.1	49	4. 10, 12, 16	31	16th	41.4	42.7	41.5	1.6	1.8	1.6	.228	.236	.229	83	86	83
Islands.	Deerness -	163	29.084	-	.005	41.6	35.5	38.6	+0.1	46	13th	32	8th, 16th	38.0	-	38.1	1.3	-	1.5	.205	-	.201	89	-	87
	SUMBURGH HEAD	126	29.104	-.528	.000	42.2	29.8	36.0	-2.2	53	17th	22	9th, 10th	38.4	39.4	38.6	1.1	1.5	1.5	.210	.205	.205	91	88	88
	STORNOWAY	62	29.190	-.523	.000	43.6	33.3	38.5	-0.5	50	12th	29	9th	37.4	41.0	38.5	0.9	1.5	1.3	.206	.225	.207	93	88	89
Mainland.	Wick -	80	29.185	-.524	+ .003	42.6	32.4	37.5	-0.4	48	13th	25	26th	36.7	-	38.6	1.7	-	1.6	.185	-	.203	85	-	87
	Strathpeffer -	210	29.065	-	.006	43.5	31.5	37.5	+0.3	50	10th	25	9th	36.3	-	36.6	1.6	-	1.6	.185	-	.186	86	-	86
	Glencarron -	504	28.777	-	.005	42.6	31.8	37.2	+0.3	51	10th, 19th	22	9th	36.8	-	37.5	1.8	-	2.3	.184	-	.181	85	-	81
	Fort Augustus -	78	29.248	-	.035	42.8	32.3	37.6	-0.6	50	13th	23	9th	36.4	-	37.6	1.2	-	1.3	.193	-	.200	90	-	89
	Fort William -	98	29.305	-	.005	42.9	33.5	38.2	-0.8	50	19th	24	9th	37.6	-	38.0	1.6	-	1.3	.194	-	.203	86	-	89
	Dunrobin Castle	16	29.273	-	.005	43.8	32.3	38.1	-0.7	49	13th	25	9th	37.0	-	37.2	1.7	-	1.7	.189	-	.191	85	-	85
District Value -						42.9	32.1	37.5	-0.1	53		22													
1. SCOTLAND, E.	Tillypronie -	1120	28.127	-	.006	40.5	28.8	34.7	+0.5	47	5th	20	9th	34.7	-	33.9	1.2	-	1.2	.178	-	.171	88	-	87
	Dundee -	164	29.206	-	.006	42.4	32.5	37.5	-0.2	48	10, 13, 17	25	9th	36.6	-	36.7	0.9	-	0.9	.201	-	.201	91	-	92
	Nairn -	82	29.224	-.439	+ .004	44.4	31.6	38.0	+0.3	52	13th	21	27th	36.1	42.1	38.2	1.0	2.7	1.4	.194	.213	.202	91	80	88
	Gordon Castle	107	29.208	-	.005	44.9	32.4	38.7	+0.1	51	10th, 13th	25	26th	38.3	-	38.4	2.4	-	2.5	.185	-	.184	80	-	80
	Aberdeen -	90	29.256 29.252	-.495 -.495	.006	42.6	34.3	38.5 38.6	+0.4 +0.3	49	5th	27	9th	37.7	41.4	38.1	2.0	3.0	2.0	.189	.201	.191	83	78	83
	Balmoral -	927	28.321	-	-	42.3	27.0	34.7	+0.2	48	22nd	9	9th	34.0	-	-	1.4	-	-	.168	-	-	85	-	-
	Crieff -	486	28.895	-	.006	43.4	32.1	37.8	-0.1	52	19th	24	9th	36.3	-	36.9	1.1	-	1.0	.194	-	.200	91	-	92
	Leith -	37	29.313	-.506	+ .004	45.1	35.6	40.4	+0.7	52	19th	29	9th	39.2	-	40.8	2.2	-	2.4	.197	-	.207	82	-	81
	Marchmont -	500	28.872	-	.006	43.1	32.0	37.6	+0.4	51	5th	24	9th	36.9	-	36.5	1.6	-	1.5	.189	-	.187	87	-	87
District Value -						43.4	32.0	37.7	+0.7	52		9													
2. ENGLAND, N.E.	Seaham -	138	29.311	-	.007	44.2	34.9	39.6	+0.2	52	6th	31	9th, 28th	38.1	-	38.2	1.3	-	1.3	.207	-	.206	88	-	89
	Whitby -	145	29.309	-	.007	46.6	35.0	40.8	+1.0	54	6th, 17th	29	12th	39.6	-	39.6	1.7	-	1.7	.213	-	.221	86	-	86
	Cockle Pk (Morpeth)	331	29.082	-	.007	43.1	32.1	37.6	-	50	5th	27	24th	37.8	-	37.4	1.3	-	1.2	.203	-	.202	89	-	91
Northern Part.	Shields -	117	29.314	-.451	+ .004	44.8	33.5	39.2	0.0	54	5th	28	10th	38.7	-	40.4	0.9	-	1.2	.218	-	.226	93	-	91
	Durham -	352	29.070	-	.007	43.3	33.2	38.3	+0.4	50	6th	27	9th	38.0	-	38.1	1.2	-	1.3	.207	-	.207	89	-	89
	Rounton -	245	29.206	-	.007	44.5	33.3	38.9	+1.1	52	6th	27	9th	38.2	-	37.5	1.4	-	1.2	.203	-	.200	88	-	89
	Scarborough -	M 127	29.353	-	.007	46.8	35.8	41.3	+2.1	55	17th	31	24th	40.3	-	40.4	1.8	-	1.9	.214	-	.213	86	-	85
	York -	58	29.473	-	.007	46.1	35.6	40.9	+1.9	54	17th	30	9th	39.5	-	39.6	1.4	-	1.2	.214	-	.219	89	-	90
Southern Part.	Spurn Head -	28	29.497	-.402	+ .004	44.1	36.2	40.2	+1.2	53	17th	32	5th	39.1	43.0	40.7	1.0	2.2	1.6	.219	.230	.220	92	83	87
	Lincoln -	42	-	-	-	46.3	34.6	40.5	+1.8	55	6th	30	9th	40.1	-	-	1.7	-	-	.216	-	-	86	-	-
	Skegness -	16	29.558	-.365	+ .004	45.6	34.6	40.1	-	55	16th	30	5th, 12th	38.6	-	40.9	0.8	-	1.4	.219	-	.227	94	-	89
	Hull -	2	29.530	-	.007	46.3	35.6	41.0	+2.3	55	17th	29	28th	40.9	-	40.6	1.6	-	1.8	.222	-	.216	87	-	86
District Value -						45.0	34.6	39.8	+1.2	56		27													
3. ENGLAND, E.	Lowestoft -	75	29.563	-	.008	46.2	35.6	40.9	+1.9	56	17th	29	5th	42.2	-	39.8	1.8	-	1.1	.231	-	.223	86	-	91
Northern Part.	Cromer -	139	29.440	-	.008	45.4	35.1	40.3	-	55	17th	29	28th	39.9	-	39.4	0.7	-	0.8	.231	-	.226	95	-	94
	Hillington -	92	29.498	-	.008	46.3	33.9	40.1	+1.6	55	17th	27	5th	39.6	-	38.6	1.1	-	0.9	.221	-	.216	91	-	92
	Norwich -	93	-	-	-	46.2	35.2	40.7	-	55	17th	28	5th, 28th	-	-	-	-	-	-	-	-	-	-	-	
	YARMOUTH -	27	29.602	-.324	.000	45.8	35.7	40.8	+2.5	55	17th	30	5th	39.1	44.1	40.3	0.7	2.3	1.4	.225	.239	.221	94	82	89
	Geldeston -	47	29.589	-	.008	47.3	35.2	41.3	+2.3	56	17th	29	5th, 23th	40.4	-	39.3	1.5	-	1.0	.220	-	.221	88	-	92
Southern Part.	Cambridge -	43	29.580	-	.008	47.8	34.8	41.3	+2.3	56	17th	25	5th	41.0	-	39.4	1.6	-	1.2	.223	-	.221	88	-	90
	CLACTON -	62	29.595	-.317	.000	45.8	36.0	40.9	+1.5	53	17th	30	4th, 5th	39.4	43.7	39.9	1.0	2.2	1.0	.222	.238	.226	92	83	92
	Woburn -	294	29.337	-	.008	46.7	35.7	41.2	-	54	17th	28	9th	41.1	-	39.9	1.6	-	1.5	.225	-	.220	86	-	88
	Bennington -	411	29.246	-	.008	46.3	35.1	40.7	+2.4	54	17th	28	5th	40.1	-	38.9	1.4	-	1.2	.219	-	.213	88	-	90
	Berkhamsted -	397	29.223	-	.008	47.0	34.8	40.9	+2.2	55	17th	22	5th	40.2	-	39.2	1.4	-	1.4	.220	-	.212	88	-	89
District Value -						46.5	36.4	41.0	+2.5	56		22													
4. MIDLAND COS.	Garforth -	198	-	-	.007	45.3	33.6	39.5	-	53	5th, 17th	25	28th	39.7	-	39.2	1.5	-	1.6	.218	-	.210	88	-	86
	Huddersfield -	411	29.079	-	.007	44.9	35.6	40.3	-	52	17th	29	25th	39.0	42.1	39.0	1.5	2.4	1.5	.212	.220	.211	88	81	87
	Wakefield -	100	29.420	-	.007	47.1	35.6	41.4	+2.3	55	17th	28	29th	40.5	-	42.0	2.3	-	2.3	.206	-	.218	82	-	82
	Belvoir Castle	276	29.287	-	.008	46.0	34.9	40.5	+1.8	54	6th	28	9th	39.4	-	39.1	1.1	-	1.5	.220	-	.209	91	-	88
	Coventry -	309	29.256	-	-	46.0	35.5	40.8	+1.4	53	7th, 17th	30	5th, 12th	40.2	-	-	1.4	-	-	.220	-	-	89	-	-
Eastern Part.	NOTTINGHAM -	85	29.477	-.399	.000	46.6	35.2	40.9	+1.9	55	6th	28	23th	39.6	44.7	40.0	1.2	2.9	1.4	.219	.233	.218	90	79	89
	Birmingham -	542	29.005	-	.008	45.6	35.6	40.6	+1.7	54	6th	30	10th	39.0	-	39.4	1.4	-	1.9	.215	-	.207	89	-	85
	Oxford -	212	29.423 29.410	-.357 -.347	-	47.5	36.4	42.0 42.1	+2.3	55	17th	29	4, 9th	40.6	-	41.0	1.3	-	-	.225 .226	-	-	89 85	-	-
Western Part.	Bath -	84	29.551	-.342	+ .005	48.8	36.6	42.7	+2.2	55	17th	28	5th, 10th	41.5	-	44.3	0.9	-	-	.243	-	-	93	-	-
	Shrewsbury -	212	29.342	-	.008	47.9	34.9	41.4	+1.3	55	17th	28	3rd, 5th	41.0	-	39.8	1.7	-	1.5	.227	-	.219	88	-	88
	Sheffield -	450	29.058	-	.008	45.5	35.8	40.7	+1.3	53	6th	31	24th	39.9	-	39.9	1.7	-	1.8	.215	-	.213	87	-	85
	Buxton -	M 997	28.474	-	.008	42.9	33.1	38.0	+1.9	50	6th	24	26th	37.4	40.9	36.7	1.4	2.5	1.2	.196	.206	.195	88	81	90
	Stokesay -	375	29.168	-	.008	47.0	34.6	40.8	-	54	6th	25	4th	41.9	-	39.8	1.4	-	1.2	.237	-	.221	90	-	91
	Cheltenham -	206	29.406	-	.008	47.5	36.8	42.2	+2.8	53	7th	29	12th	43.0	-	40.6	2.0	-	1.6	.234	-	.219	84	-	87
District Value -						46.6	34.9	40.8	+2.2	56		24													
5. ENGLAND, S.E.	Reading -	264	29.369	-	.008	47.4	35.1	41.3	-	55	17th	28	4th	41.1	-	40.1									

NOTE.—The Sunshine entered to Woburn recorded at Aspley Guise.

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of FEBRUARY, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of FEBRUARY, 1910.

Earth Temp.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.								STATIONS.					
At 1 foot depth.	At 4 feet depth.	Total in Hrs.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										Forces 1-7.	Calm.	N.	N.E.	E.	S.E.	S.		S.W.	W.	N.W.		
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																							
40°9	42°8	85	+ 10	31	+ 4	6·8	—	4·3	3·71	+1·47	0·59	14th	22	0	0	0	4	7	0	—	7	5	1	5	1	0	0	1	2	30	8	8	Eastbourne.	
—	—	—	—	—	—	8·3	8·1	8·1	3·36	+2·04	0·54	14th	23	2	0	1	0	11	3	—	4	57	0	3	0	0	1	25	28	17	10	Dunghess.		
39°7	41°8	79	- 3	29	0	7·0	—	4·3	2·80	+0·75	0·44	3rd	25	0	1	0	4	0	4	8	2	27	0	2	0	0	3	10	19	14	8	Hastings.		
—	—	82	+ 7	30	+ 3	7·0	—	4·2	4·13	+1·85	0·79	14th	24	0	2	1	5	8	2	11	7	24	0	0	1	0	3	1	35	2	14	Southampton.		
—	—	98	+ 18	35	+ 6	7·5	—	—	3·38	+1·18	0·49	20th	21	1	0	2	2	13	0	—	2	24	0	3	0	0	0	8	19	17	9	Ventnor.		
40°1	42°3	78	+ 3	28	+ 1	7·3	—	5·4	3·57	+1·59	1·21	—	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Tottenham.		
—	42°1	69	—	25	—	7·4	—	6·2	2·50	—	0·35	14th	18	0	0	0	1	8	0	9	0	8	1	0	0	0	0	3	30	13	9	Hampstead.		
—	—	66	—	24	—	6·9	—	5·3	2·67	—	0·36	14th	22	0	0	0	3	9	0	—	4	12	7	1	0	0	1	9	25	10	3	Camden Square.		
39°2	41°2	59	—	22	—	6·4	—	—	2·96	+1·33	0·39	14th	21	0	2	0	8	16	0	15	—	—	0	1	0	0	1	4	13	6	3	Westminster.		
—	—	54	+ 20	20	+ 8	6·1	—	6·2	2·51	+0·92	0·36	14th	24	1	2	0	2	9	0	13	4	13	1	2	0	0	0	11	22	14	6	Greenwich.		
—	41°8	70	+ 13	25	+ 4	6·6	—	5·8	2·69	+1·21	0·41	15th	24	0	3	0	3	9	4	12	1	14	0	2	0	0	2	16	25	8	3	Norwood.		
39°4	—	—	—	—	—	6·4	—	6·0	3·15	+1·50	0·49	20th	24	0	3	1	4	9	2	11	1	7	1	1	0	0	1	13	23	13	4	Kew.		
39°5	42°6	74	+ 18	27	+ 7	7·6	6·9	5·4	2·75	+1·21	0·39	14th	22	0	1	0	2	11	0	13	0	27	8	3	0	0	0	19	34	14	6	Bunhill Row.		
—	—	41	+ 10	15	+ 4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.		
—	—	46	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Poltalloch.		
—	—	—	—	—	—	8·0	—	8·0	7·60	+3·94	0·74	19th	26	6	3	0	0	15	0	—	4	15	4	2	2	1	4	5	15	19	4	Glasgow.		
—	—	42	- 1	16	0	8·3	—	8·1	3·53	+0·74	0·42	16th	23	7	5	0	0	18	0	10	0	14	7	2	1	3	2	8	18	14	1	Rothsay.		
—	40°2	—	—	—	—	6·3	—	6·3	7·03	+3·39	0·65	16th	27	8	2	0	2	7	4	—	0	19	8	2	2	3	4	9	9	15	4	Colmonell.		
—	—	—	—	—	—	6·2	—	—	8·29	+4·66	0·84	20th	27	3	2	0	4	11	2	8	2	22	2	2	2	8	2	4	10	18	8	Eskdalemuir.		
—	—	49	—	19	—	7·9	9·2	7·7	8·11	—	1·18	16th	27	8	0	0	0	16	0	—	2	40	—	—	—	—	—	—	—	—	—	Dumfries.		
36°8	38°9	69	—	26	—	7·1	—	6·7	5·30	+2·04	0·49	17th	27	8	0	1	2	11	2	14	5	12	1	4	0	0	3	6	24	14	4	Cally.		
—	—	—	—	—	—	—	—	—	4·29	+0·17	0·39	6th	27	5	1	0	—	—	0	—	1	13	0	4	15	2	10	0	3	5	17	Douglas.		
—	—	93	+ 24	35	+ 9	7·1	—	5·9	4·41	+1·22	0·51	20th	26	6	7	2	0	7	7	11	5	29	0	1	1	0	2	12	16	17	7	Southport.		
—	—	68	+ 6	26	+ 3	7·3	—	7·1	5·66	+1·85	1·18	—	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Manchester (City).		
36°8	38°2	98	+ 33	37	+13	6·6	6·1	6·7	3·22	+1·16	0·39	20th, 25th	26	1	3	0	0	8	1	13	6	54	2	2	1	0	9	21	26	15	8	" (Whit. P'k).		
37°7	40°8	47	—	17	—	5·7	—	5·3	3·03	+0·83	0·32	5th	27	2	3	0	3	6	1	3	0	9	0	2	1	4	12	14	13	8	2	Aspatia.		
—	—	48	—	18	—	8·3	7·4	6·0	2·69	—	0·32	20th	24	2	2	1	0	11	1	15	2	16	7	1	1	1	7	30	17	13	7	Newton Rigg.		
37°1	39°6	55	—	21	—	8·4	—	6·9	6·10	—	1·05	6th	28	7	5	0	0	15	0	18	4	34	0	1	1	0	3	19	21	9	2	Stonyhurst.		
—	—	68	—	26	—	6·4	—	6·5	5·57	+3·32	0·67	20th	28	2	2	0	3	8	0	9	6	17	3	1	0	1	11	24	13	3	Blackpool.			
37°5	38°9	67	+ 7	25	+ 3	6·3	—	6·4	6·21	+3·30	1·17	20th	25	7	8	0	0	10	0	19	6	19	3	1	1	3	7	17	17	5	2	Manch'st r (Prest).		
—	—	65	+ 7	24	+ 2	7·5	—	7·4	5·62	+2·44	1·19	6th	27	3	8	0	0	13	0	12	1	16	15	2	1	0	1	11	15	9	2	Liverp'ol, Bid.Obs.		
39°2	42°0	97	+ 34	36	+13	7·4	—	7·8	3·48	+1·27	0·48	20th	28	1	4	0	0	12	0	8	3	28	0	1	1	1	1	7	14	17	11	4	Llandudno.	
—	—	51	+ 11	19	+ 4	7·8	—	5·5	3·64	+1·39	0·43	5th	27	2	4	0	4	13	1	13	3	13	7	0	1	1	2	23	9	12	1	Llaneugrad.		
—	—	106	—	39	—	5·6	—	6·4	2·40	+0·67	0·28	20th	27	2	2	1	5	7	0	—	1	26	1	0	0	2	12	12	17	9	3	Holyhead.		
—	—	93	+ 23	34	+ 8	7·1	—	8·0	3·69	+1·62	0·74	20th	27	1	5	0	0	15	0	—	1	7	2	1	0	0	1	20	23	8	1	Bettws-y-Coed.		
40°1	41°5	89	—	33	—	6·4	—	5·2	4·32	—	0·57	25th	26	1	5	0	2	7	1	12	6	22	1	1	0	1	0	16	22	11	4	Llangamm. Wells.		
—	—	—	—	—	—	7·8	6·6	7·5	3·81	+1·39	0·45	18th	25	0	3	0	0	10	5	—	7	48	0	1	1	2	1	6	39	24	10	Pembroke.		
39°4	41°9	63	—	23	—	7·1	—	6·0	6·46	—	0·97	20th	26	4	7	0	1	5	0	5	11	22	1	1	2	0	0	0	26	18	8	Clifton.		
38°3	40°4	79	+ 12	29	+ 4	7·0	6·7	6·5	4·24	+1·24	1·19	—	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Portland Bill.		
40°1	43°1	66	—	24	—	7·9	—	6·95	—	0·82	—	20th	27	1	4	1	1	19	0	14	0	9	3	1	0	0	0	5	8	11	0	Plymouth.		
—	—	97	+ 22	35	+ 8	7·6	6·6	7·3	4·54	+1·90	0·75	21st	26	0	6	0	0	6	4	—	4	63	0	2	1	0	2	15	32	21	11	Falmouth.		
—	—	89	—	32	—	—	—	—	4·99	+2·52	0·65	20th	23	—	—	—	—	—	—	15	—	—	—	—	—	—	—	—	—	—	—	Woolacombe.		
—	—	—	—	—	—	7·5	6·4	5·3	3·16	—	0·55	14th	26	0	0	1	0	5	3	—	12	61	0	4	0	0	1	13	24	26	16	Whitchurch.		
42°9	—	93	+ 16	34	+ 6	7·1	7·4	6·6	5·23	+2·44	0·75	14th	26	0	0	1	1	7	1	2	4	36	9	7	0	0	1	13	26	16	12	Malin Head.		
—	—	107	+ 24	39	+ 9	6·3	6·5	6·6	6·27	+2·54	0·88	14th	26	0	7	1	1	6	0	—	0	43	6	2	0	0	1	13	27	24	11	Blacksod Point.		
—	—	86	+ 7	31	+ 2	7·1	—	6·3	3·61	+1·16	0·40	14th, 24th	26	0	2	0	2	12	2	—	0	25	0	0	2	2	8	6	15	10	13	Markree Castle.		
40°5	—	—	—	—	—	7·8	—	7·3	7·68	—	1·08	14th	27	12	15	4	0	14	9	10	6	15	2	3	1	0	2	13	15	13	7	Domaghadee.		
41°5	—	89	+ 13	32	+ 4	7·3	6·7	6·6	5·24	+2·21	1·11	—	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Armagh.	
—	—	—	—	—	—	7·7	7·4	7·8	3·92	+1·80	0·47	16th	26	1	4	0	0	9	1	—	3	49	0	1	1	3	3	26	29	17	4	Belfast.		
—	—	—	—	—	—	8·5	8·0	7·8	7·27	+3·71	0·76	14th	28	0	4	0	0	14	2	—	2	69	0	5	1	1	5	8	27	23	14	Dublin (Tri'ty Col.)		
40°6	43°1	79	+ 17	30	+ 7	7·5	—	7·5	7·34	+4·37	0·95	26th	28	12	13	1	2	16	1	12	2	10	10	1	0	0	10	13	10	4	8	" (Phoenix P'k).		
39°4	41°8	80	+ 19	30	+ 7	8·1	—	7·2	4·53	+2·39	0·63	20th	28	4																				

The sunshine entered to Portsmouth is registered at Southsea.

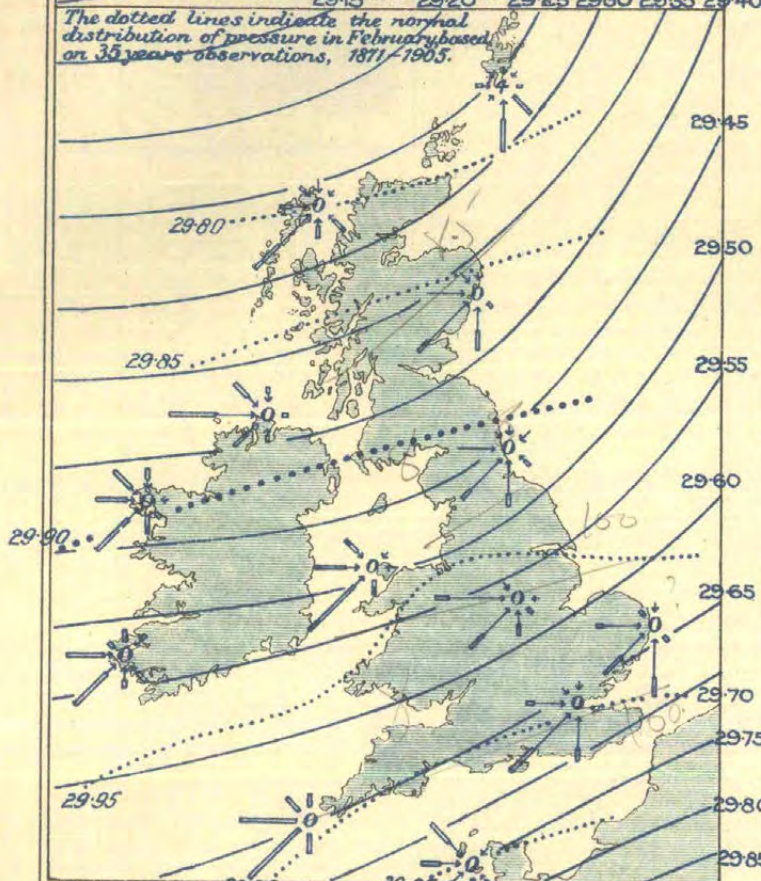
TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, FEBRUARY, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.							
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Days.	Total Fall.	Diff from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.							Ins.	Ins.						Ins.	Day.
			Max.	Min.																					
0. SCOTLAND, N.	p Balta Sound	S	31	42.1	35.2	38.7	—	48	12th, 13th	27	8th, 9th	36.6	—	—	3.42	—	0.33	15th	27	38	—	15	—		
	p Crathes	S	140	44.0	31.4	37.7	—	51	5th	20	9th	34.2	36.0	20	3.94	—	0.64	19th	21	87	—	33	—		
	p Stonehaven	—	86	38.7	33.4	36.1	—	48	14th	23	9th	—	—	—	2.57	—	0.36	22nd	19	94	—	36	—		
1. SCOTLAND, E.	p Balruddery	S	276	43.7	30.6	37.2	—	51	19th	21	9th	—	—	—	2.46	—	0.41	16th	22	87	—	33	—		
	Edinburgh	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	77	+ 21	29	+ 8			
	a West Linton	S	500	41.0	30.8	35.9	+ 0.4	49	10th	18	9th	—	—	18	4.38	—	0.51	17th	27	55	—	21	—		
	a Alnwick Castle	—	210	44.0	33.7	38.9	+ 0.5	50	5, 6, 17	27	28th	—	—	—	3.01	+ 0.86	0.65	7th	21	—	—	—	—		
	p Newcastle-on-Tyne	—	152	44.0	35.6	39.8	—	53	6th	30	9th	—	—	—	2.65	+ 1.06	0.64	7th	22	50	+ 2	19	+ 1		
	p Ampleforth	—	349	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2. ENGLAND, N.E.	p Tealby	—	251	45.1	34.0	39.6	+ 1.2	53	6th	29	19th	—	—	—	2.78	+ 0.96	0.70	14th	19	—	—	—	—		
	a Fulbeck	—	180	45.5	35.1	40.3	+ 1.9	55	6th	28	9th	—	—	13	1.88	+ 0.28	0.28	20th	23	—	—	—	—		
	a Raucsey	—	124	46.7	34.1	40.4	—	56	6th	28	5th	38.8	41.4	16	2.10	+ 0.15	0.41	20th	24	75	—	28	—		
	a Felixstowe	—	10	46.0	35.8	40.9	+ 1.6	54	17th	29	4th, 5th	—	—	—	2.22	—	0.56	20th	23	86	—	32	—		
	a Rothamsted	—	424	46.8	34.6	40.7	+ 2.3	55	17th	26	5th	—	—	—	3.54	+ 1.65	0.60	14th	25	87	+ 19	32	+ 7		
	a Shoburyness	—	13	46.3	35.9	41.1	+ 1.3	54	17th	30	5th	—	—	—	2.00	+ 0.81	0.39	20th	17	—	—	—	—		
	a Southend-on-Sea	—	100	46.4	35.0	40.7	—	54	17th	29	4th	40.0	—	14	2.06	+ 0.66	0.45	20th	21	80	—	29	—		
	a Harrogate	—	476	43.8	33.7	38.8	+ 1.1	51	17th	26	25th	37.6	39.0	16	3.04	+ 0.97	0.53	20th	24	79	—	30	—		
	a Bradford	—	439	44.3	34.9	39.6	—	51	5th	29	9th	36.8	39.5	11	3.44	—	0.84	20th	23	74	—	28	—		
	a Cheadle	—	646	44.0	33.1	38.6	+ 0.9	53	6th	28	12th	—	—	13	3.12	+ 0.83	0.41	20th	24	—	—	—	—		
	a Bawtry	—	65	46.5	35.1	40.8	+ 1.8	55	5th, 17th	28	28th	—	—	—	2.36	+ 0.81	0.70	23rd	23	—	—	—	—		
	a Worksop	—	56	47.7	34.8	41.3	+ 3.1	55	7th, 17th	26	28th	37.6	39.6	16	1.80	+ 0.11	0.28	14th	23	67	+ 10	25	+ 4		
4. MIDLAND COUNTIES	a Mayfield (Staffs.)	—	374	45.1	32.8	39.0	—	53	17th	26	28th	—	—	14	3.45	—	0.47	1st	27	—	—	—	—		
	a Belper	—	222	45.8	33.4	39.6	—	54	17th	26	24th	—	—	10	2.51	—	0.33	1st	21	—	—	—	—		
	a Kingston-on-Soar	—	125	46.5	34.3	40.4	—	55	6th	25	5th	38.8	—	—	1.96	—	0.31	20th	22	—	—	—	—		
	p Rugby	—	379	46.8	32.6	39.7	+ 1.2	56	17th	26	4th, 5th	—	—	15	2.20	—	0.51	20th	21	—	—	—	—		
	a Raunds	—	210	47.6	34.1	40.9	+ 1.4	55	17th	26	9th	38.3	—	15	2.10	—	0.42	22nd	19	—	—	—	—		
	a Winslow	—	379	45.5	34.5	40.0	—	53	17th	28	5th	—	—	10	2.91	—	0.47	22nd	25	—	—	—	—		
	a Hereford	—	291	47.7	35.9	41.8	+ 2.1	55	6th	30	5th, 12th	—	—	18	4.08	+ 2.06	0.67	20th	26	—	—	—	—		
	a Cirencester	—	446	46.5	32.9	39.7	+ 1.3	53	19th, 20th	25	12th	—	—	14	4.01	+ 1.74	0.57	14th	25	80	+ 8	29	+ 3		
	a Epsom	—	160	47.5	35.4	41.5	—	54	7th, 17th	25	9th	—	—	14	3.86	—	0.74	14th	24	—	—	—	—		
	a Wokingham	—	216	47.6	33.7	40.7	—	55	17th	21	9th	—	—	—	3.07	—	0.46	20th	22	—	—	—	—		
	a Maidenhead	—	99	49.0	34.3	41.7	—	56	17th	25	5th	—	—	12	2.59	+ 0.69	0.40	14th	20	—	—	—	—		
	a Marlborough	—	424	46.4	34.3	40.4	+ 1.5	53	17th	27	5th	—	—	13	4.48	+ 2.12	0.65	14th	22	66	+ 7	24	+ 3		
	a Bucklebury	—	409	46.1	35.6	40.9	—	53	17th	28	5th, 9th	—	—	19	3.33	—	0.55	20th	26	—	—	—	—		
	a Swarraton	—	310	46.5	35.0	40.8	+ 2.0	53	17th	26	5th	—	—	—	4.55	+ 2.14	0.74	22nd	23	—	—	—	—		
	a Margate	—	35	46.8	36.9	41.9	+ 1.9	53	6, 7, 17	31	2nd	39.9	41.3	9.6	2.09	+ 0.71	0.38	14th	19	61	+ 10	22	+ 4		
	Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	2.79	—	0.55	14th	20	70	—	25	—		
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	72	—	26	—	—		
	a Wisley	—	150	47.5	36.9	42.2	+ 3.0	54	17th	28	9th	39.8	41.9	10	3.23	—	0.60	14th	23	77	—	28	—		
5. ENGLAND, S.E.	a Basingstoke	—	289	46.6	35.3	41.0	—	53	17th	28	10th	—	—	12	4.59	—	0.75	14th	24	—	—	—	—		
	a Dover	—	231	46.0	36.1	41.1	—	51	6th	30	9th	40.3	43.0	11	2.37	—	0.36	25th	23	71	—	26	—		
	a Tunbridge Wells	—	421	46.0	34.7	40.4	+ 1.5	51	6th	29	4th	38.1	—	17	4.90	+ 2.76	1.04	20th	24	75	+ 7	27	+ 3		
	a Matfield	—	320	46.4	35.9	41.2	—	52	6th	28	5th	—	—	13	4.74	—	1.21	20th	24	—	—	—	—		
	p Folkestone	—	121	45.8	36.1	41.0	—	51	17th	27	10th	—	42.8	—	2.70	+ 0.77	0.50	25th	23	68	—	25	—		
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	71	—	26	—	—		
	a Bexhill	—	27	46.4	38.3	42.4	—	50	17th	32	5th	41.7	—	9	3.07	—	0.60	2nd	25	87	—	32	—		
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	87	—	32	—	—		
	p Lewes	—	58	46.9	36.2	41.6	—	54	24th	26	5th	—	—	—	4.56	—	0.72	24th	26	—	—	—	—		
	a Worthing	—	36	47.1	37.3	42.2	+ 2.2	50	17, 19, 24	28	5th, 10th	40.4	42.6	10	4.47	+ 2.48	1.21	20th	22	93	—	34	—		
	a Bognor	—	20	47.1	38.6	42.9	—	50	6th	30	10th	—	44.4	11	3.71	—	0.67	20th	20	93	—	34	—		
	Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82	—	30	—	—		
	a Totland Bay	—	140	47.8	39.0	43.4	+ 3.0	52	17th	31	12th	—	—	8	3.23	+ 1.16	0.58	14th	22	92	—	33	—		
	a Sandown	—	20	49.5	39.4	44.5	—	55	17th	32	9th	—	—	—	4.22	—	0.63	14th	22	97	—	35	—		
	p Bournemouth	—	145	48.7	39.0	43.9	—	54	17th	30	5th	40.8	41.8	—	3.93	—	0.73	14th	24	103	—	37	—		
6. SCOTLAND, W.	a Laudale	—	25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	p Oban	—	20	45.8	33.5	39.7	—	50	17th	26	9th	—	—	12	6.93	—	0.58	16th	26	51	—	20	—		
	a Thorntonhall (Lanarkshire)	—	440	42.9	33.0	38.0	—	49	5th, 19th	25	9th	—	—	15	5.53	—	0.67	4th, 14th	26	54	—	21	—		
	a Kilmarnock	—	90	46.2	33.3	39.8	+ 0.5	50	5, 9, 18	25	9th	—	—	—	4.85	—	0.65	6th	20	30	—	11	—		
	p Ruthwell	S	67	44.0	32.7	38.4	—	54	19th	24	9th	—	—	—	4.85	—	0.74	16th	27	71	—	27	—		
	a Carnforth	—	174	44.9	35.0	40.0	—	53	19th	28	9th	—	—	13	5.63	—	0.74	6th	27	62	—	23	—		
	a Lancaster	—	311	44.3	35.4	39.9	—	51	19th	29	9th	38.1	40.7	17	5.21	—	0.68	6th	27	62	—	23	—		
	a Burnley	—	459	44.3	34.3	39.3	—	51	5th	26	9th	36.7	39.5	12	5.06	—	0.80	6th	25	47	—	18	—		
	a Hoylake	—	730	48.1	37.9	43.0	—	54	5th, 16th	32	26th	—	—	11	2.28	—	0.24	20th	26	102	—	38	—		
7. ENGLAND, N.W.	p Rhyl	—	30	47.5	36.4	42.0	—	57	5th	32	5th	—	—	10	2.23	+ 0.73	0.41	20th	23	110	—	41	—		
	a Colwyn Bay	—	82	48.7	38.8	43.8	—	58	5th	33	26th	—	—	—	3.98	—	0.85	20th	19	104	—	39	—		
	a Hawarden Bridge	—	22	48.3	36.7	42.5	+ 1.7	58	6th	32	21st	—	—	—	1.55	+ 0.12	0.28	20th	23	—	—	—	—		
	a St. Asaph (St. Beuno's Coll.)	—	479	46.1	36.3	41.2	—	58	6th	32	9th	—	—	11	2.09	—	0.42	20th	22	—	—	—	—		
	a Towyn	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	p Aberdovey	—	22	47.0	40.8	43.																			

2910

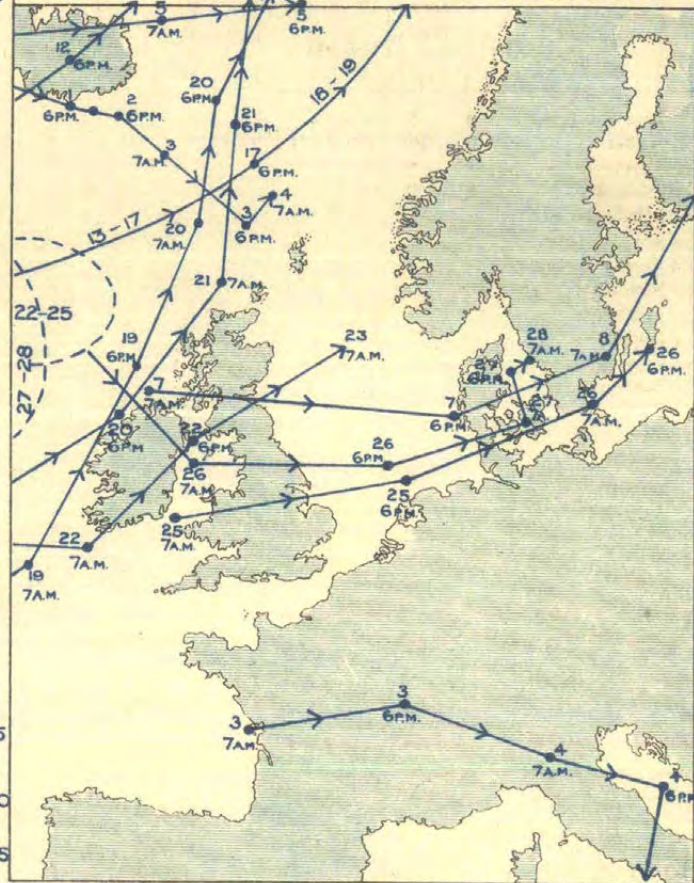
1. BAROMETER AND WIND AT 7 A.M.

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



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

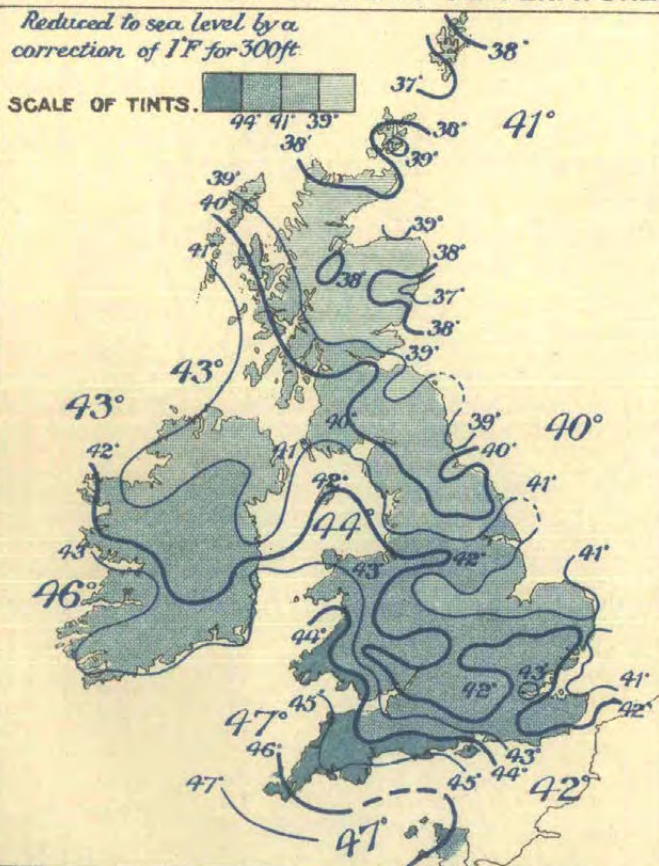
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS.

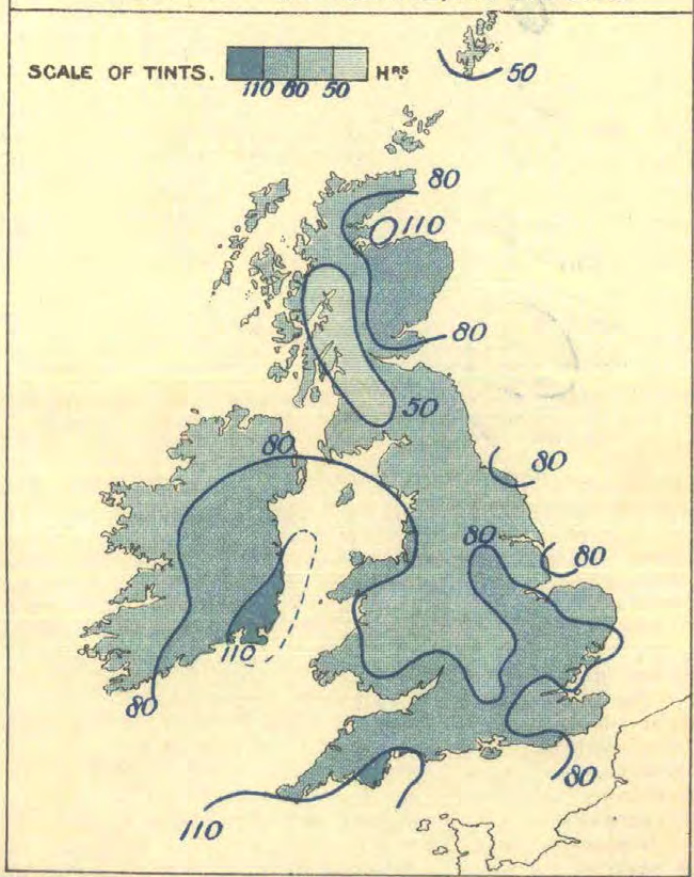


The temperature of the sea is indicated by large figures thus--44°

4. BRIGHT SUNSHINE, IN HOURS.

SCALE OF TINTS.

110 80 50 Hrs



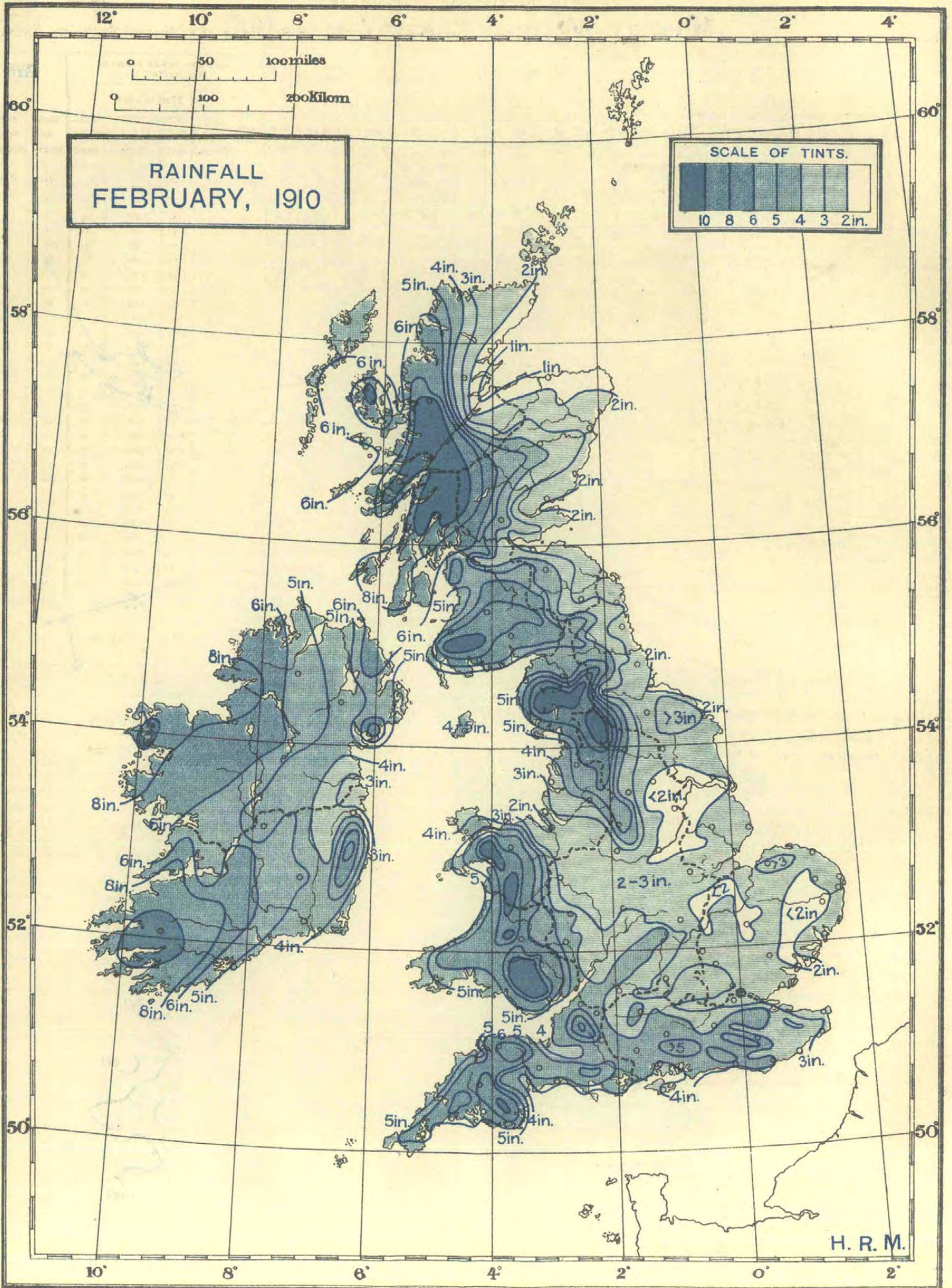


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, FEBRUARY, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Days.	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Date.					
			Max.	Min.																			
		Ft.	°	°	°	°	°	°	°	°	°	°	Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%			
8. ENGLAND, S.W. (continued)	Port Talbot - - -	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	89	—	32	—			
	Forest of Dean - -	200	—	—	—	—	—	—	—	—	—	—	4'98	—	0'81	14th	25	—	—	—			
	" - - -	900	—	—	—	—	—	—	—	—	—	—	5'01	—	0'93	20th	24	—	—	—			
	a Cardiff - - -	50	47'4	37'1	42'3	+ 1'6	53	17th	32	10, 12, 16th	40'5	41'2	9	5'53	+2'39	0'72	6th	27	105	—	38	—	
	a Swansea - - -	24	48'1	39'1	43'6	—	51	7, 17, 19, 20	33	3rd	—	—	9	5'26	—	0'59	6th	27	89	—	32	—	
	a Shaftesbury - -	722	45'7	36'3	41'0	+ 2'6	51	17th	31	4th	40'2	—	—	3'21	+0'75	0'38	20th	23	—	—	—	—	
	a Arlington - - -	613	46'1	36'9	41'5	+ 0'9	51	19th	31	10th	—	—	—	7'13	+3'17	1'07	7th	25	—	—	—	—	
	a Cullompton - -	202	49'2	37'0	43'1	+ 2'0	55	17th	29	16th	—	—	12	5'35	+2'53	0'55	13th	27	82	+ 13	30	+ 5	
	Torquay - - -	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	117	+ 42	42	+15		
	a Weymouth - - -	21	48'7	40'5	44'6	—	54	17th	34	5th	—	—	—	3'81	—	0'62	14th	22	108	—	39	—	
	p Paignton - - -	11	49'8	39'4	44'6	—	54	6th	32	10th	—	—	—	6'28	—	0'97	14th	25	117	—	42	—	
	a Sheepstor - - -	749	46'8	36'0	41'4	—	50	7th	28	10th	—	—	—	9'03	—	1'11	14th	27	—	—	—	—	
	a Newquay - - -	100	49'4	41'6	45'5	+ 1'7	53	17th	35	10th	44'8	—	—	4'50	+1'71	0'51	14th	26	95	+ 16	34	+ 6	
	Salcombe - - -	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	111	—	40	—	—	
9. IRELAND, N.	Fowey - - -	—	52'0	40'5	46'3	—	57	24th	32	9th	—	—	—	4'58	—	0'54	14th	26	—	—	—	—	
	a Penzance - - -	54	50'8	42'6	46'7	—	55	17th	36	23rd	—	—	—	5'65	—	0'81	14th	27	115	—	41	—	
	p Dunfanaghy - -	54	46'3	35'5	40'9	—	52	5th, 10th	32	1, 15, 23, 25	—	—	—	6'98	—	0'74	16th	27	—	—	—	—	
	p Dublin (Glasnevin) -	67	48'3	35'0	41'7	+ 0'5	55	5th	26	1st	—	—	15	3'53	+1'54	0'68	18th	25	—	—	—	—	
	a Kingstown - - -	42	48'9	38'1	43'5	—	58	5th	34	4, 12, 25th	—	—	—	3'25	—	0'65	18th	23	118	—	44	—	
	p Clongowes Wood College	245	47'2	33'5	40'4	—	55	5th	26	9th	—	—	13	3'48	—	0'33	20th	26	104	—	39	—	
10. IRELAND, S.	a Mountmellick - -	253	46'2	34'8	40'5	—	54	5th	29	1st	—	—	—	4'53	—	0'57	20th	27	—	—	—	—	
	p Newcastle (Co. Wicklow)	256	47'3	36'0	41'7	—	57	5th	29	23rd	—	—	—	4'32	—	0'72	18th	25	—	—	—	—	
	a Kilkenny - - -	212	47'9	34'4	41'2	- 0'4	56	5th	27	1st, 23rd	—	—	—	4'22	+1'66	0'56	18th	23	—	—	—	—	
	a Cahir - - -	199	48'4	35'4	41'9	+ 0'1	58	5th	27	1st	—	—	—	5'77	—	0'79	18th	26	—	—	—	—	
11. ENGLISH CHANNEL	a Foynes - - -	108	48'4	37'7	43'1	+ 0'3	59	5th	32	23rd, 25th	—	—	—	6'39	+3'38	0'49	25th	27	—	—	—	—	
	a Ballinacurra - -	34	49'0	35'9	42'5	—	56	6th	28	1st	—	—	—	5'07	—	0'77	18th	27	89	—	32	—	
	a Guernsey (Villa Carey) -	189	49'3	41'2	45'3	+ 1'7	54	18th	34	10th	—	—	—	4'95	+2'18	0'55	25th	24	88	+ 1	32	+ 1	

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For the Royal Observatory, Greenwich, and the Radcliffe Observatory, Oxford, averages for longer periods are used. See Notes in Monthly Weather Reports for 1908. 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

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 A and B. 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 A. 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 ‡ 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.

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,
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Weekly Weather Report.

No. III.

MARCH, 1910.

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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The very disturbed conditions, accompanied by frequent gales and rains, which were the characteristic features of the month of February, practically came to an end before the advent of March, and the general quietness of the latter month formed a striking contrast to the rough boisterousness of its predecessor. Through the first nine days of March the British Isles were situated between an area of low pressure, which occupied a considerable portion of the northern part of the Atlantic, and anticyclones lying over various regions on the Continent, from the Spanish Peninsula to Russia and Sweden. The only slight variation in the general situation during this period was the detaching of a small secondary disturbance from the south-eastern side of the system out on the ocean on the evening of the 3rd. Moving slowly on an east-south-easterly course it reached the Bay of Biscay on the 5th, and there dispersed. On the 9th the main depression began to move north-eastward, its central space skirting the north-west of Ireland and passing across Scotland to Scandinavia, Lapland and the Arctic Sea. On the 11th a secondary formed in the neighbourhood of Biarritz, and passing northward it filled up next day over Brittany. It was during the passage of the primary system across the northern districts that the lowest pressure of the month was registered, but the barometer readings were by no means low for the time of the year, only a few stations in Scotland and the north-east of Ireland sinking below 29½ ins., Aberdeen and Wick touching 29¼ ins., and Nairn 29¼ ins., while in the extreme south of England the values were at about 29.7 ins. Out on the ocean the low pressure area was replaced by a well-marked anticyclone on the 10th. Expanding eastward it embraced the whole of the United Kingdom by the 13th, and thenceforward to the end of the month it was the dominating factor in determining the weather conditions over these Islands. A small disturbance was near the south-west of Ireland on the 14th, and another appeared over Holland on the 18th, subsequently moving across Germany to Russia, but the other depressions of the period kept much further north, half a dozen travelling on north-easterly paths between Greenland and Iceland, and one appearing off the south-west of Iceland on the evening of the 15th, striking off on a due easterly course and disappearing across the White Sea on the 19th. At first the centre of the high pressure system remained beyond our western and south-western coasts, but on the 18th, with the passing of the last-mentioned disturbance across northern Russia, it began to move eastward, and soon the system embraced a great part of Europe. It was not, however, until the 24th that the central space of the system left the Atlantic, and for the remainder of the month it was found either directly over these Islands or a little to the eastward, between the Low Countries and Norway. Wireless reports from steamships showed that the maximum pressure over the ocean was reached on the 22nd, when the barometer stood above 30.7 ins. in 49° N., 21° W., the readings on the west coast of Ireland being then above 30.6 ins. After this the intensity was diminished somewhat, but on the 31st it again increased, the barometer mounting to 30.6 ins. and upwards at many stations in these islands, to 30.69 ins. at Shields, and to 30.73 ins. in southern Norway.

In the absence of any deep depressions the range of pressure during the month was moderate to slight. It was greatest, a little more than 1.5 in., at Aberdeen and Nairn, and least over southern England, less than an inch at all stations south of Nottingham, little more than 0.8 in. at Dungeness and in London. The general distribution of the mean pressure for the month did not differ greatly from the normal, but the actual values were, under the influence of the long prevailing anticyclonic conditions, well above the average at all stations. At Valencia and Sumburgh Head there was an excess of 0.18 in., and on the east coast of England, Shields, Spurn Head and Yarmouth had an excess of 0.25 in. The mean results ranged from 30.17 ins. at Bath, Brussels, and the Helder to 29.93 ins. at Sumburgh Head, and 29.54 ins. at Isafjord (north-west Iceland). The gradient was only slightly more than the normal, and favoured a prevalence of Southerly to Westerly winds, but in nearly all localities there was a considerable proportion from other quarters of the compass.

As a rule the disturbances which visited our neighbourhood were neither very deep nor marked by steep gradients, the result being that gales were rarely experienced, and the few reported were of a local rather than of a general character. While the low pressure system of the earlier days remained centred beyond the western coasts the Southerly wind occasionally attained the force of a gale between the 1st and the 5th at Roche's Point, Holyhead and Wick, a strong gale at Malin Head on the 2nd, and at Stornoway on the 3rd. The small secondary depression which arrived over Brittany from the lower part of the Bay of Biscay on the 12th brought the wind round into the North-East over the country generally, and freshening appreciably over the more southern districts it reached the strength of a gale at Dungeness and Portland Bill for a short interval. With the eastward advance of a large depression past the south of Iceland on the 16th a South-Westerly gale was felt at Stornoway, and a strong gale at Malin Head, the wind then veering into

North-West and North in the rear of the disturbance, but only Nottingham reported gale force on the 18th and 19th. Up to this time strong or high winds had occurred frequently in many districts, but with the establishment of anticyclonic conditions there was a decided diminution in the force. On the last day of the month, however, a depression centred in the vicinity of Corsica expanded northward, occasioning an increase in the strength of the Easterly to Northerly wind over France and southern England, and at Yarmouth a North-Easterly gale was experienced. The automatic anemometrical records accord with the estimated forces at the telegraphic reporting stations, there being an almost entire absence of high velocities. In gusts of short duration a velocity at the rate of 56 miles an hour was registered at Roche's Point on the 1st, and at Pendennis on the 9th, when Plymouth had one at the rate of 63 miles per hour. On the 17th a 57-mile gust was recorded at Southport.

This unusually quiet March type of conditions was attended by much fine, bright and dry weather. Over an extensive portion of the kingdom there was occasional and in nearly all cases light precipitation only in the first seventeen or eighteen days. Falls of hail or snow occurred at various times, but they were all unimportant, the greatest depths of snow noted being an inch-and-a-half at Marchmont on the 17th, and an inch at Epsom on the 18th. It will be seen on referring to the tabulated results that there were singularly few rainfall measurements of as much as ½ in. in a day, but there were, nevertheless, some very large amounts. A heavy rainstorm occurred on the 1st in the south of Ireland, North Wales, the north-west of England and south of Scotland, a number of places receiving more than an inch, ranging up to 1.7 in. at Eskdalemuir, 1.9 in. at Penrhyn, and 2.5 ins. at Killarney. Next day, in the west of Ireland, Blacksod Point registered 1.1 in., and Lickeen, Caragh Lake, 2.5 ins. Again on the 3rd Lickeen had a fall of 1.4 in., making a total of 5.2 ins. in three days. On the 9th rather more than an inch fell in various parts of Kent, Sussex and the north-west of Ireland. At Cuckfield, Sussex, no rain was measured from the 12th to the 31st (20 days), at Worcester Lodge, Forest of Dean, from the 13th (19 days), and at very numerous stations from the 18th or 19th to the end.

Temperature was above the normal in all districts, largely due to the absence of severe night frosts, few of the minimum values being below 25°. Balmoral touched 22° on the 1st, Llangammarch Wells on the 14th, and Wokingham on the 20th and 30th; Llangammarch Wells 21° on the 26th and 30th; and Garforth 20° on the 29th. No very high afternoon maxima were observed, a few records of 60° to 62° occurring in England, Scotland and Ireland about the 20th and 30th.

Thunder was heard at Belvoir Castle on the 2nd, at Coventry and Valencia on the 8th, and at Roche's Point on the 29th, but there were no reports of lightning.

Fog was rather prevalent on the western coasts between the 4th and the 8th, on the 19th and 20th, and in the closing days; on the east coast from the 23rd to the 26th, and on some days it was thick in places.

The temperature of the sea water along our coasts was nearly everywhere a little warmer than it was in the previous month, by as much as 3° in a few isolated situations. Generally on the east coast of Britain the water was colder than the air on shore, by 3° off the north-east of England, but on the western coasts the water was of the same or a little higher temperature, and off Shetland the water was 4° warmer than the air.

Aurora was seen in many parts of Scotland on the 27th, 28th and 29th, described as bright or brilliant in some cases. On the 28th it was reported as far south as Epsom and Limerick.

Rainfall.—Precipitation was below the average in all districts, the deficiency ranging upwards to 2.6 ins. at Buxton. Owing to the great fall at Killarney on the 1st there was an excess of 2.1 ins. at that station. Over the greater part of England, and at some stations in Scotland and Ireland the total fall for the month was less than an inch, and in various localities less than ½ in., 0.28 in. at Spurn Head and Wakefield. Aggregates exceeding 5 ins. were few, 9.8 ins. at Seathwaite, and 14.5 ins. at Glenquoich. Rain fell at Stornoway on 23 days, and at Glencarron, Ennistymon, Lickeen, and Foynes on 22 days, but as a rule the frequency was less than 15, and in a very large proportion of cases less than 10 days, 5 at Dursley (Gloucester) and Tankerton (Kent), and 4 at Cuckfield.

Bright Sunshine.—At the Irish stations there was a deficiency of sunshine, by as much as 21 hours at Markree Castle; western Scotland had an average duration; all other regions an excess, which amounted to as much as 56 hours at Eastbourne, 57 hours at Tunbridge Wells and Torquay, and 58 hours at Hastings. The largest totals were 200 hours (55 per cent. of the possible) at Paignton, 197 hours (54 per cent.) at Bournemouth and Torquay, and 196 hours (54 per cent.) at Villa Carey, Guernsey; the smallest, 85 hours (23 per cent.) at Castlebay and Glasgow, 84 hours (23 per cent.) at Markree Castle, and 81 hours at Balta Sound (23 per cent.), and Newcastle-on-Tyne (22 per cent.).

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at station above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY -	48	29.931	+ .215	-.002	46.6	40.4	43.5	+1.9	49	21st, 30th	31	18th	43.2	45.3	44.3	1.4	1.8	1.6	.249	.261	.256	89	87	88
	Deerness -	163	29.764	—	-.006	45.2	38.3	41.8	+2.5	51	29th	30	18th	41.7	—	41.0	1.8	—	1.7	.228	—	.223	86	—	86
	SUMBURGH HEAD	126	29.773	+ .179	-.002	45.3	32.2	38.8	+0.2	53	24th	20	18th	40.7	43.6	40.9	1.2	2.0	1.4	.229	.241	.227	90	85	89
	STORNOWAY	52	29.908	+ .207	-.002	47.7	37.9	42.8	+3.1	54	20th	29	18th	41.2	46.4	42.8	1.5	2.3	1.6	.227	.262	.240	89	84	88
Mainland.	Wick -	80	29.866	+ .190	+ .003	48.4	35.6	42.0	+2.5	57	25th	27	13th	39.5	—	43.2	1.7	—	2.3	.209	—	.230	86	—	82
	Strathpeffer -	210	29.751	—	-.007	49.4	36.4	42.9	+3.8	60	30th	28	1st	43.1	—	42.3	3.1	—	2.6	.214	—	.217	77	—	81
	Glencarron -	504	29.461	—	-.006	47.1	35.8	41.5	+3.2	57	30th	29	18th	41.0	—	41.5	2.0	—	2.2	.215	—	.217	84	—	83
	Fort Augustus -	78	29.941	—	-.006	49.1	35.0	42.5	+2.8	60	30th	28	18th	41.0	—	42.9	1.7	—	2.1	.221	—	.232	86	—	85
	Fort William -	38	29.997	—	-.006	48.6	37.2	42.9	+2.3	56	30th	28	18th	42.6	—	43.1	2.7	—	2.5	.217	—	.225	80	—	81
	Dunrobin Castle -	16	29.949	—	-.006	50.0	35.9	43.0	+2.7	59	29th	29	18th	42.6	—	41.8	2.4	—	2.0	.225	—	.224	82	—	84
District Value -						47.9	38.9	41.7	+2.4	60		20													
1. SCOTLAND, E.																									
Northern Part.	Tillypronie -	1120	28.782	—	-.007	46.8	32.9	39.9	+3.4	58	20th	27	15th	39.9	—	37.8	2.5	—	1.7	.200	—	.195	81	—	86
	Dundee -	164	29.873	—	-.007	48.5	35.6	42.1	+2.1	56	20th, 29th	29	13, 13, 29	41.5	—	41.1	1.7	—	1.3	.229	—	.232	87	—	90
	Nairn -	82	29.879	+ .193	+ .004	50.6	34.3	42.5	+2.7	62	30th	30	1, 15, 19	38.8	48.7	44.8	1.6	4.8	3.0	.205	.236	.232	87	68	79
	Gordon Castle -	107	29.873	—	-.006	50.6	36.1	43.4	+2.9	61	30th	29	13th	44.1	—	42.4	3.4	—	2.1	.217	—	.227	74	—	84
	Aberdeen -	90	29.932	+ .224	-.007	47.5	37.8	42.7	+2.6	57	20th	29	18th	42.3	46.0	42.2	2.8	3.9	2.3	.213	.227	.221	80	74	83
	Balmoral -	927	28.973	—	—	46.9	32.7	39.8	+3.5	55	29th	22	1st	39.0	—	—	1.9	—	—	.201	—	—	85	—	—
	Crieff -	436	29.558	—	-.007	50.0	35.5	42.8	+2.7	59	20, 29, 30	28	1st	41.8	—	41.5	2.6	—	2.0	.213	—	.221	81	—	85
	Leith -	37	29.986	+ .207	+ .004	50.6	37.0	43.8	+2.4	59	29th	32	18, 19, 29	40.5	—	46.6	2.1	—	3.7	.210	—	.235	83	—	74
	Marchmont -	500	29.518	—	-.007	48.5	34.3	41.4	+2.2	59	20th	26	18th	42.0	—	40.5	2.8	—	2.0	.211	—	.212	79	—	84
District Value -						48.9	35.1	41.8	+2.5	62		22													
2. ENGLAND, N.E.																									
Northern Part.	Seaham -	138	29.941	—	-.008	49.1	37.5	43.3	+2.1	59	29th	32	1st	43.5	—	41.2	2.8	—	1.6	.225	—	.227	78	—	88
	Whitby -	145	29.930	—	-.008	51.8	36.2	44.0	+2.6	61	20th	28	29th	44.2	—	41.6	3.0	—	2.3	.228	—	.218	78	—	83
	Cockle Park (Morpeth) -	381	29.728	—	-.008	48.0	34.6	41.3	—	59	20th	29	18th	43.0	—	39.9	2.3	—	1.4	.232	—	.220	84	—	89
	Shields -	117	29.959	+ .246	+ .003	49.3	35.5	42.4	+1.6	59	20th	30	18, 19, 29	40.2	—	45.3	1.6	—	3.2	.216	—	.233	88	—	77
	Durham -	352	29.705	—	-.008	49.2	35.5	42.4	+2.2	60	20th	28	29th	42.5	—	40.9	2.2	—	1.7	.228	—	.232	84	—	86
	Rounton -	245	29.824	—	-.008	50.1	35.1	42.6	+2.7	60	20th	29	18th	42.0	—	40.7	2.4	—	1.9	.217	—	.215	81	—	85
	Scarborough -	127	29.966	—	-.008	51.0	37.3	44.2	+2.9	60	21st	32	12th	45.0	—	42.2	3.0	—	2.7	.233	—	.214	78	—	81
Southern Part.	York -	58	30.083	—	-.008	51.3	36.9	44.1	+2.7	59	20th	28	29th	42.6	—	42.5	2.1	—	2.2	.229	—	.226	85	—	83
	Spurn Head -	28	30.083	+ .248	+ .003	47.5	37.4	42.5	+1.5	55	27th	32	19th	40.0	46.2	42.8	1.1	3.0	1.9	.224	.246	.235	91	79	85
	Lincoln -	42	—	—	—	50.6	35.3	43.0	+1.2	57	21st	30	1st, 16th	42.6	—	—	2.5	—	—	.223	—	—	82	—	—
	Skegness -	16	30.116	+ .250	+ .003	48.1	35.2	41.7	—	56	7th	28	16th	38.1	—	43.4	0.9	—	1.9	.211	—	.241	92	—	85
District Value -						49.9	36.0	42.8	+2.2	61	21st, 27th	30	29th	43.7	—	42.3	2.0	—	1.9	.242	—	.230	85	—	86
3. ENGLAND, E.																									
Northern Part.	Lowestoft -	75	30.085	—	-.009	47.3	36.3	41.8	+0.6	55	21st	30	16th	44.4	—	40.7	2.7	—	1.4	.233	—	.225	80	—	89
	Cromer -	139	29.990	—	-.009	48.5	36.1	42.3	—	58	6th	30	27th	42.6	—	40.0	1.5	—	1.0	.240	—	.226	88	—	92
	Hillington -	92	30.046	—	-.003	50.7	32.9	41.8	+0.3	57	27th	27	20th	41.6	—	39.1	1.9	—	1.3	.223	—	.213	85	—	89
	Norwich -	93	—	—	—	50.5	35.2	42.9	—	59	27th	28	15th	—	—	—	—	—	—	—	—	—	—	—	—
	YARMOUTH -	27	30.116	+ .247	-.003	47.5	35.9	41.7	+1.2	56	7th	29	16th	39.0	45.9	41.0	1.1	3.2	1.1	.216	.240	.233	91	78	91
	Geldeston -	47	—	—	-.009	50.8	35.1	43.0	+1.4	58	27th	29	16th	—	—	—	—	—	—	—	—	—	—	—	—
Southern Part.	Cambridge -	43	30.110	—	-.009	51.4	33.6	42.5	+0.6	54	7th	25	20th	41.7	—	40.0	2.1	—	1.5	.223	—	.218	84	—	88
	CLACTON -	62	30.096	+ .244	-.003	48.1	36.7	42.4	+0.2	58	23rd, 28th	31	16, 17, 20	39.4	46.4	42.1	1.2	3.5	1.8	.218	.238	.230	91	76	86
	Woburn -	294	29.858	—	-.009	50.1	32.7	41.4	—	58	30th	24	27th	41.2	—	39.8	2.2	—	1.6	.217	—	.215	83	—	86
	Bennington -	411	29.739	—	-.009	50.4	34.6	42.5	+1.2	56	25th	29	27th	41.3	—	40.0	2.3	—	2.0	.213	—	.207	82	—	84
	Berkhamsted -	397	29.739	—	-.009	50.6	33.1	41.9	+0.4	57	30th	27	20th	40.8	—	39.3	2.1	—	1.6	.212	—	.208	83	—	87
District Value -						49.7	35.0	42.2	+1.2	59		24													
4. MIDLAND COS.																									
Eastern Part.	Garforth -	198	—	—	-.008	50.4	33.7	42.1	—	57	30th	20	29th	43.3	—	40.6	2.7	—	1.9	.227	—	.216	81	—	85
	Huddersfield -	411	29.682	—	-.008	49.1	36.4	42.8	—	57	30th	27	29th	41.2	47.4	40.8	2.1	4.5	1.9	.219	.231	.217	84	71	85
	Wakefield -	100	30.035	—	-.008	51.3	35.6	43.5	+2.4	58	26th, 30th	25	29th	42.9	—	43.8	2.7	—	2.5	.219	—	.231	79	—	81
Western Part.	Belvoir Castle	276	29.855	—	-.009	50.3	34.6	42.5	+1.8	57	23rd	29	13, 20, 27	41.0	—	40.0	2.3	—	1.7	.210	—	.213	82	—	86
	Coventry -	309	29.823	—	—	50.7	35.4	43.1	+1.0	59	30th	29	13th	42.1	—	—	2.8	—	—	.211	—	—	79	—	—
	NOTTINGHAM	85	30.045	+ .236	-.003	51.0	33.7	42.4	+0.8	58	30th	28	23rd	38.2	49.5	41.0	1.2	5.1	1.8	.206	.238	.219	90	67	86
	Birmingham -	542	29.560	—	-.009	49.8	36.5	43.2	+2.0	58	30th	31	13th	39.6	—	42.2	1.8	—	2.8	.209	—	.215	85	—	80
	Oxford -	212	29.938	+ .244	—	51.1	34.1	42.6	+0.5	60	30th	27	27th	38.5	—	42.9	1.7	—	—	.199	—	—	86	—	—
	—	—	29.927	+ .255	—	—	—	42																	

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of MARCH, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.								STATIONS.					
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.		S.W.	W.	N.W.		
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.	and																						(Isd.)
—	—	85	—	23	—	3.4	3.9	7.7	1.58	—	0.25	2nd	20	1	2	0	1	19	3	—	0	40	2	8	1	6	20	10	13	18	15	Castlebay (Barra)		
—	—	114	+10	32	+3	6.6	—	6.0	1.91	—	0.30	21st	16	2	7	0	2	8	0	—	1	38	2	0	0	2	14	12	10	13	9	Deerness.		
—	—	—	—	—	—	7.3	6.2	6.1	2.38	—	0.51	10th	20	3	0	0	0	7	1	—	0	55	3	10	3	1	0	26	29	16	5	Sumburgh Head.		
—	—	98	—	27	—	7.2	7.6	7.8	3.50	—	0.61	10th	23	2	4	0	0	12	0	—	3	55	1	11	1	0	8	19	27	15	11	Stornoway.		
—	—	—	—	—	—	7.0	—	6.8	1.43	—	0.27	18th	17	3	1	0	0	10	0	—	1	22	0	0	0	0	0	19	5	22	7	Wick.		
—	—	132	+41	36	+11	5.6	—	5.3	1.66	—	0.66	9th	14	2	0	0	3	7	0	—	1	17	19	2	0	2	1	4	11	16	7	Strathpeffer.		
—	—	—	—	—	—	6.4	—	6.3	6.17	—	1.02	10th	22	3	1	0	6	15	0	—	1	37	0	11	1	7	0	1	0	42	0	Glencarron.		
—	—	101	+23	28	+7	6.7	—	7.0	2.72	—	0.56	9th	15	3	0	0	4	13	1	—	1	15	2	3	5	0	0	15	33	4	0	Fort Augustus.		
—	—	—	—	—	—	7.3	—	7.9	4.56	—	0.71	2nd	21	1	0	0	3	17	3	—	0	15	13	0	2	2	0	4	23	13	5	Fort William.		
42.4	—	—	—	—	—	—	—	—	1.01	—	1.51	0.36	9th	10	2	0	0	—	—	—	1	4	1	7	2	5	5	1	6	6	29	Dunrobin Castle.		
—	—	111	+16	31	+5	7.0	7.6	6.8	3.20	—	1.22	1.02	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	6.1	—	6.4	1.88	—	0.51	0.45	9th	15	5	0	0	0	7	2	15	1	13	0	8	0	5	6	14	5	19	5	Tillypronie.	
—	—	—	—	—	—	7.6	—	7.7	1.09	—	0.86	0.39	9th	11	1	0	0	0	14	4	—	4	3	0	3	2	2	11	1	27	6	10	Dundee.	
—	—	150	—	41	—	7.2	5.8	6.9	1.11	—	0.72	0.27	17th	12	2	0	0	1	5	1	—	0	6	21	0	1	2	1	2	11	46	9	Nairn.	
—	—	139	—	38	—	6.6	—	6.6	1.02	—	1.21	0.26	9th	11	1	1	0	1	12	0	—	0	5	0	0	0	0	11	7	24	10	10	Gordon Castle.	
—	39.6	131	+13	36	+3	5.9	6.3	6.3	1.51	—	0.82	0.30	10th	14	2	4	0	1	6	0	—	0	19	6	2	0	0	0	11	29	15	13	17	Aberdeen.
—	—	—	—	—	—	6.8	—	—	2.49	—	0.16	0.55	9th	12	5	0	0	2	11	0	16	5	6	0	0	0	8	2	0	14	32	6	Balmoral.	
—	—	—	—	—	—	6.8	—	6.5	2.53	—	0.39	0.62	2nd	11	1	0	0	3	12	1	—	1	14	0	10	1	14	0	4	2	27	4	Crieff.	
—	—	—	—	—	—	5.9	—	6.0	0.73	—	0.81	0.18	8th	12	0	1	0	1	6	0	—	0	8	0	3	0	6	8	5	12	21	7	Leith.	
39.3	—	103	—	28	—	6.4	—	5.1	1.09	—	1.39	0.23	9th	10	3	0	0	3	8	1	15	0	6	0	8	4	7	6	5	12	18	2	Marchmont.	
—	—	124	+18	34	+5	6.6	6.4	6.4	1.53	—	0.77	0.63	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	5.3	—	5.4	0.49	—	1.38	0.19	8th	9	3	0	0	6	6	0	—	0	11	3	4	1	2	6	11	13	16	6	Seaham.	
—	—	153	—	42	—	5.2	—	4.0	0.51	—	1.34	0.13	18th	7	1	0	0	6	3	0	—	0	2	0	3	6	1	11	1	24	0	11	Whitby.	
39.2	39.9	134	—	37	—	6.0	—	4.7	0.76	—	1.55	0.33	8th	10	3	0	0	2	4	0	8	1	17	0	5	1	0	11	11	7	11	16	Cockle Pk (Mors.)	
—	—	—	—	—	—	7.2	—	7.7	0.71	—	0.98	0.32	8th	8	1	3	0	0	13	0	—	0	7	1	3	2	4	10	9	17	11	5	Shields. (peth.)	
—	—	124	+11	34	+3	6.4	—	5.9	0.63	—	1.21	0.28	8th	8	1	0	0	4	9	0	11	0	14	10	2	1	1	4	14	9	13	8	Durham.	
40.5	—	—	—	—	—	6.5	—	4.3	0.56	—	1.33	0.25	8th	9	1	0	0	4	9	2	20	0	15	3	3	2	1	10	17	16	2	8	Rounton.	
—	41.8	132	—	36	—	7.1	—	8.0	0.55	—	1.24	0.25	18th	8	2	0	0	0	13	2	10	0	26	1	4	10	0	13	7	16	3	8	Scarborough.	
40.9	41.2	123	+21	34	+6	6.5	—	4.6	0.48	—	1.17	0.11	8th	11	1	0	0	5	9	1	—	0	0	1	8	1	5	7	11	7	12	10	York.	
—	—	—	—	—	—	6.9	6.1	6.6	0.28	—	1.04	0.08	8th	6	2	0	0	1	4	4	—	0	59	0	9	7	7	11	14	16	12	17	Spurn Head.	
40.0	40.6	—	—	—	—	5.4	—	2.3	0.44	—	0.98	0.11	9th	8	2	0	0	9	4	0	—	0	0	19	4	2	2	10	7	4	11	3	Lincoln.	
—	163	—	45	—	—	6.2	—	4.5	0.57	—	0.19	9th	9	2	2	0	2	4	2	—	0	6	0	12	3	10	6	10	5	10	6	6	Skegness.	
41.3	41.5	110	—	30	—	6.2	—	4.2	0.76	—	0.97	0.30	8th	14	3	0	0	5	7	0	13	0	0	14	5	7	1	9	1	14	7	4	Hull.	
40.7	41.1	139	+15	38	+4	6.2	—	5.2	0.56	—	1.18	0.33	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
41.2	42.1	166	—	45	—	5.4	—	4.2	0.85	—	0.63	0.36	9th	8	3	3	0	8	7	5	8	0	13	3	10	5	4	3	12	8	6	11	Lowestoft.	
—	157	—	43	—	—	6.3	—	4.7	0.65	—	0.28	9th	16	2	1	0	3	7	4	—	0	24	0	12	4	4	5	14	5	9	9	9	Cromer.	
—	146	+31	40	+9	—	4.7	—	3.8	0.89	—	0.83	0.26	9th	10	1	1	0	8	6	5	17	0	2	22	3	17	4	4	1	6	2	3	Hillington.	
—	—	—	—	—	—	—	—	—	0.87	—	0.26	11th	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
41.6	43.5	163	—	45	—	6.2	5.5	5.7	0.86	—	0.78	0.30	9th, 11th	7	2	1	0	0	2	3	—	1	19	0	16	10	7	11	8	12	14	15	Norwich.	
—	167	+41	46	+12	—	—	—	—</																										

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Ft.	Ins.	Ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of MARCH, 1910.

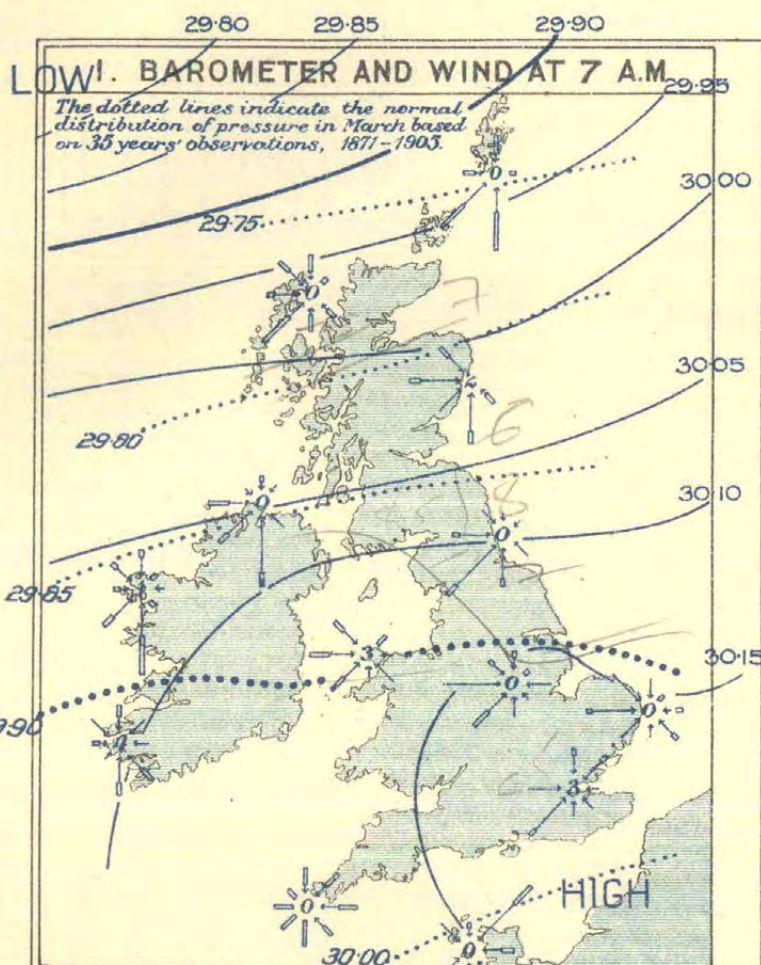
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
°	°	Mrs.	Hrs.	%	%				Ins.	Ins.	Ins.																						
43°4	44°5	191	+ 56	52	+15	5°3	—	2°8	1°44	-0°60	0°84	9th	9	1	1	0	12	7	1	—	0	0	2	8	21	7	4	2	9	3	6	Eastbourne.	
—	—	—	—	—	—	7°7	7°2	6°8	1°45	+0°07	0°60	11th	10	2	0	0	0	8	7	—	2	43	0	13	23	19	5	13	11	3	6	Dungeness.	
43°1	43°7	195	+ 58	53	+16	5°0	—	3°0	1°36	-0°39	0°60	9th	11	2	0	0	10	6	1	12	0	16	3	14	10	10	5	6	4	3	7	Hastings.	
—	—	167	+ 41	46	+11	4°5	—	4°3	1°00	-1°06	0°45	9th	11	2	0	0	10	5	1	13	0	23	0	0	23	2	16	0	11	0	10	Southampton.	
—	—	192	+ 49	53	+14	5°4	—	—	1°71	-0°16	0°88	11th	12	1	0	0	8	9	0	—	0	7	0	10	8	9	10	8	12	2	3	Ventnor.	
42°8	44°3	173	+ 50	47	+13	5°4	—	4°3	1°33	-0°48	1°19	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	43°4	129	—	35	—	6°1	—	5°0	0°90	—	0°47	9th	7	1	0	0	4	7	3	20	0	0	6	10	6	5	6	5	9	5	10	Tottenham.	
—	—	151	—	41	—	5°4	—	4°7	1°05	—	0°45	9th	8	3	0	0	9	9	3	—	0	6	11	10	12	6	3	6	6	3	5	Hampstead.	
40°9	42°2	120	—	33	—	6°1	—	—	0°97	-0°69	0°40	9th	9	1	0	0	9	14	0	21	—	—	4	9	5	1	1	3	2	2	4	Camden Square.	
—	—	110	+ 41	30	+11	4°9	—	5°6	0°88	-0°56	0°41	9th	10	2	1	0	8	8	2	21	0	6	8	5	12	7	3	6	11	5	5	Westminster.	
—	43°0	150	+ 51	41	+14	5°8	—	3°9	1°10	-0°42	0°44	9th	10	3	0	0	10	10	11	22	0	4	8	9	10	6	5	8	11	2	3	Greenwich.	
42°1	—	—	—	—	—	5°4	—	4°0	1°17	-0°40	0°45	9th	8	1	1	0	11	9	6	16	0	4	7	14	5	5	1	12	8	4	6	Norwood.	
42°0	44°1	143	+ 37	39	+10	5°6	6°4	4°4	0°95	-0°55	0°51	9th	10	1	0	0	6	10	1	20	0	20	20	14	14	10	5	9	14	4	3	Kew.	
—	—	94	+ 24	26	+ 7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.	
—	—	114	—	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	101	—	28	—	7°7	7°6	5°6	4°99	—	1°72	1st	14	1	0	0	1	13	0	—	1	47	20	6	2	1	6	21	19	7	11	Eskdalemuir.	
—	—	—	—	—	—	7°0	—	6°6	2°65	-1°10	0°43	9th	19	0	0	0	3	13	3	—	1	16	6	4	0	1	5	11	9	16	10	Poltalloch.	
—	—	85	+ 1	23	0	7°4	—	7°4	1°84	-0°76	0°60	1st	10	0	0	0	0	14	0	9	0	8	9	1	2	5	2	9	10	17	7	Glasgow.	
—	41°8	—	—	—	—	4°8	—	5°6	2°54	-0°83	0°73	1st	19	0	0	0	8	9	6	—	0	12	13	8	0	6	1	8	8	12	6	Rothsay.	
—	—	—	—	—	—	5°1	—	—	2°44	-0°70	0°64	1st	13	0	0	0	10	11	2	9	4	20	2	4	0	4	8	6	12	16	10	Colmonell.	
40°7	40°8	119	—	33	—	6°3	—	5°9	3°00	+0°16	0°90	1st	12	1	0	0	6	12	2	11	1	12	1	1	1	0	4	3	28	6	18	Dunfries.	
—	—	—	—	—	—	—	—	—	1°99	-1°58	0°32	1st	14	1	0	0	—	—	0	—	0	7	0	11	12	2	6	1	6	3	21	Cally.	
—	—	135	+ 2	37	0	7°0	—	5°0	2°01	-0°75	0°68	1st	14	4	1	0	4	8	4	6	0	17	6	3	1	6	5	10	8	11	12	Douglas.	
—	—	110	- 1	30	- 1	6°5	—	6°0	2°27	-1°25	1°72	—	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
41°6	41°3	145	+ 34	40	+ 9	5°5	6°3	6°5	1°03	-1°14	0°16	8th, 9th	9	1	1	0	4	10	0	13	0	50	6	9	1	5	17	15	12	14	14	Southport.	
40°7	42°5	98	—	27	—	5°0	—	3°8	0°64	-1°74	0°26	8th	10	1	0	0	4	0	2	2	0	4	3	3	2	9	11	12	9	8	5	Manchester (City).	
—	—	97	—	27	—	6°5	6°1	5°3	0°60	—	0°25	8th	11	1	0	0	5	12	4	15	0	5	5	8	4	10	13	20	15	9	9	" (Whit. Pk).	
41°4	41°9	118	—	32	—	7°3	—	6°1	0°65	—	0°40	8th	12	1	0	0	0	10	0	17	0	19	1	1	3	3	4	18	7	11	14	Darwen.	
—	—	139	—	38	—	5°5	—	4°9	2°79	0°00	0°84	1st	14	1	1	0	4	5	0	13	1	9	4	8	2	3	3	7	15	17	3	Aspatia.	
41°0	40°4	117	+ 7	32	+ 2	5°6	—	5°9	2°09	-0°38	0°71	1st	9	1	4	0	5	9	0	20	2	14	7	4	1	3	6	17	13	7	4	Newton Rigg.	
—	—	120	+ 14	33	+ 4	6°9	—	4°7	1°05	-2°47	0°25	16th	12	1	0	0	3	9	1	13	0	7	20	4	4	5	0	8	9	9	3	Stonyhurst.	
42°2	43°0	143	+ 35	39	+ 9	6°6	—	7°0	1°04	-1°19	0°31	1st	13	1	1	0	3	12	0	8	0	18	0	4	7	5	11	10	7	10	8	Blackpool.	
—	—	105	+ 22	29	+ 6	7°5	—	3°8	0°77	-1°77	0°29	8th	12	1	0	0	4	9	1	13	0	11	15	3	1	9	4	8	7	14	1	Manch'str (Prest).	
—	—	155	—	43	—	5°9	—	6°1	0°64	-1°14	0°13	8th	12	1	1	0	4	10	0	—	0	11	0	3	2	9	10	5	10	15	8	Liverp'ol, Bid. Obs.	
—	—	153	+ 42	42	+11	5°7	—	6°4	0°92	-1°13	0°32	9th	15	0	0	0	6	14	1	—	0	4	0	4	5	5	3	16	6	18	5	Llandudno.	
—	—	—	—	—	—	6°3	6°6	5°8	1°83	-0°58	0°70	1st	14	0	2	0	1	7	2	—	2	30	4	4	0	3	12	10	19	15	20	Holyhead.	
41°4	42°7	137	—	38	—	6°2	—	4°9	2°08	—	1°05	1st	13	1	1	0	3	10	0	14	1	14	4	6	13	3	6	0	22	4	4	Bettws-y-Coed.	
43°3	42°5	152	—	42	—	6°1	—	4°8	2°22	—	1°02	1st	14	0	0	0	8	10	0	11	2	15	9	4	5	4	2	13	9	10	6	Llaneugrad.	
41°7	41°9	137	+ 29	38	+ 8	8°2	6°3	5°4	1°44	-0°96	1°05	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—						

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, MARCH, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.	No. of Nigts	Total Fall.	Diff from Normal.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			A	B			Max.	Day.	Min.	Day.					Ins.	Ins.						Ins.	Day.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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		Ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

MONTHLY WEATHER CHARTS, MARCH, 1910.

LXXV

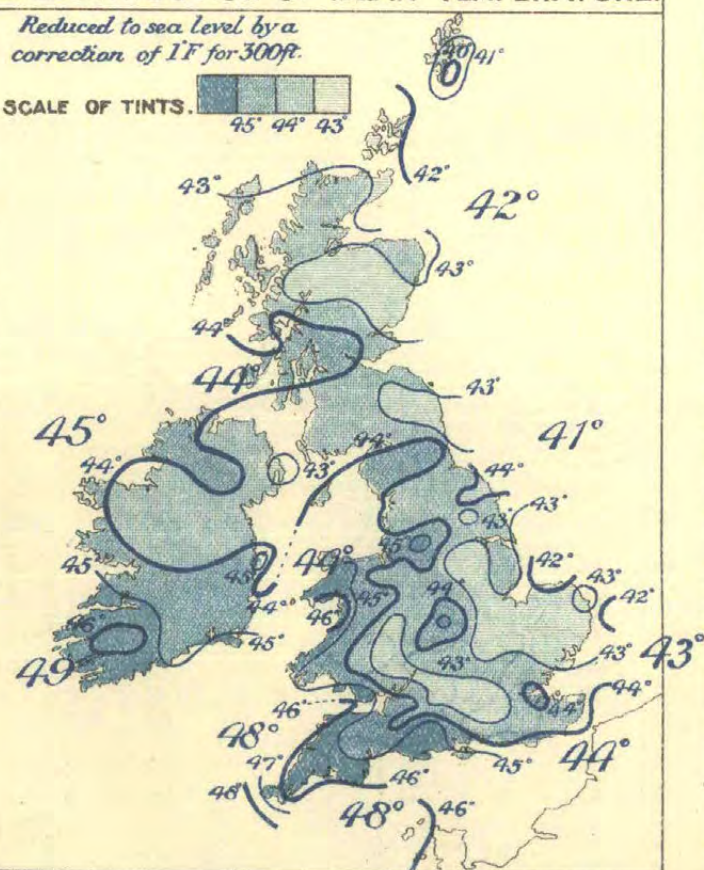


WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus: Light moderate strong

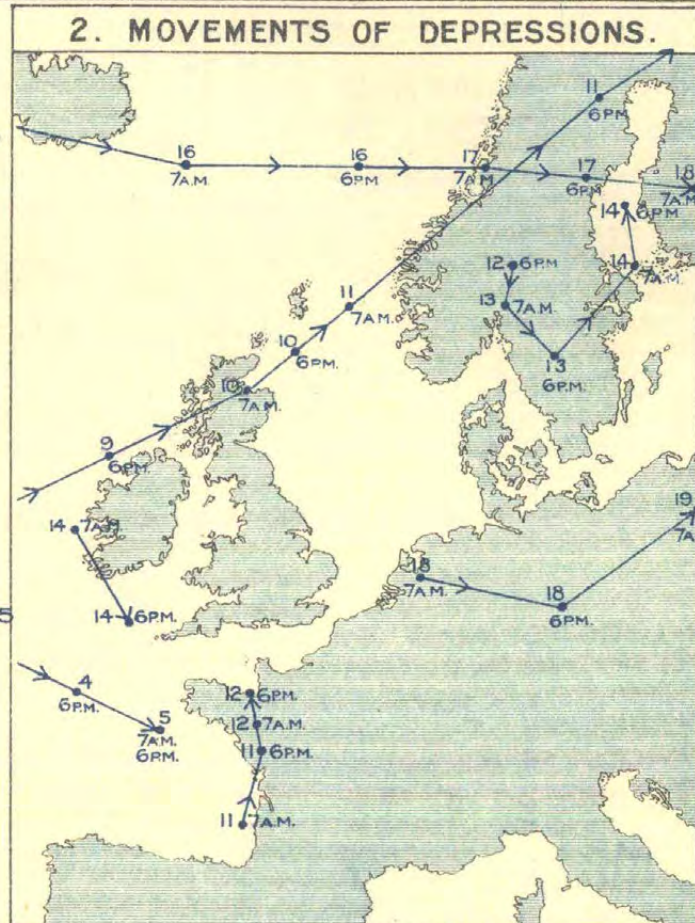
3. DISTRIBUTION OF MEAN TEMPERATURE.

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

SCALE OF TINTS. 45° 44° 43°

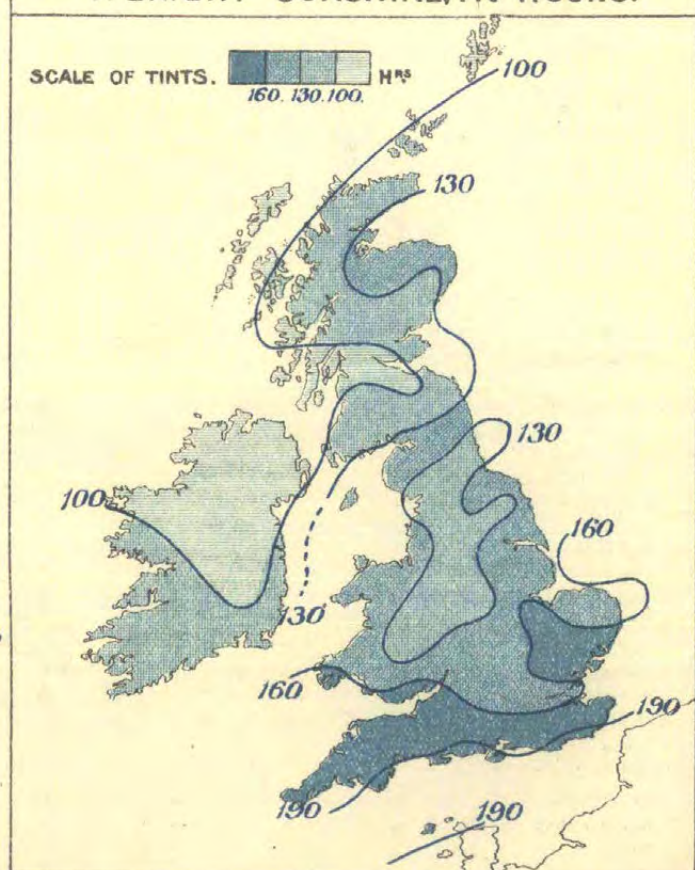


The temperature of the sea is indicated by large figures, thus 44°.



4. BRIGHT SUNSHINE, IN HOURS.

SCALE OF TINTS. 160. 130. 100. HRS.



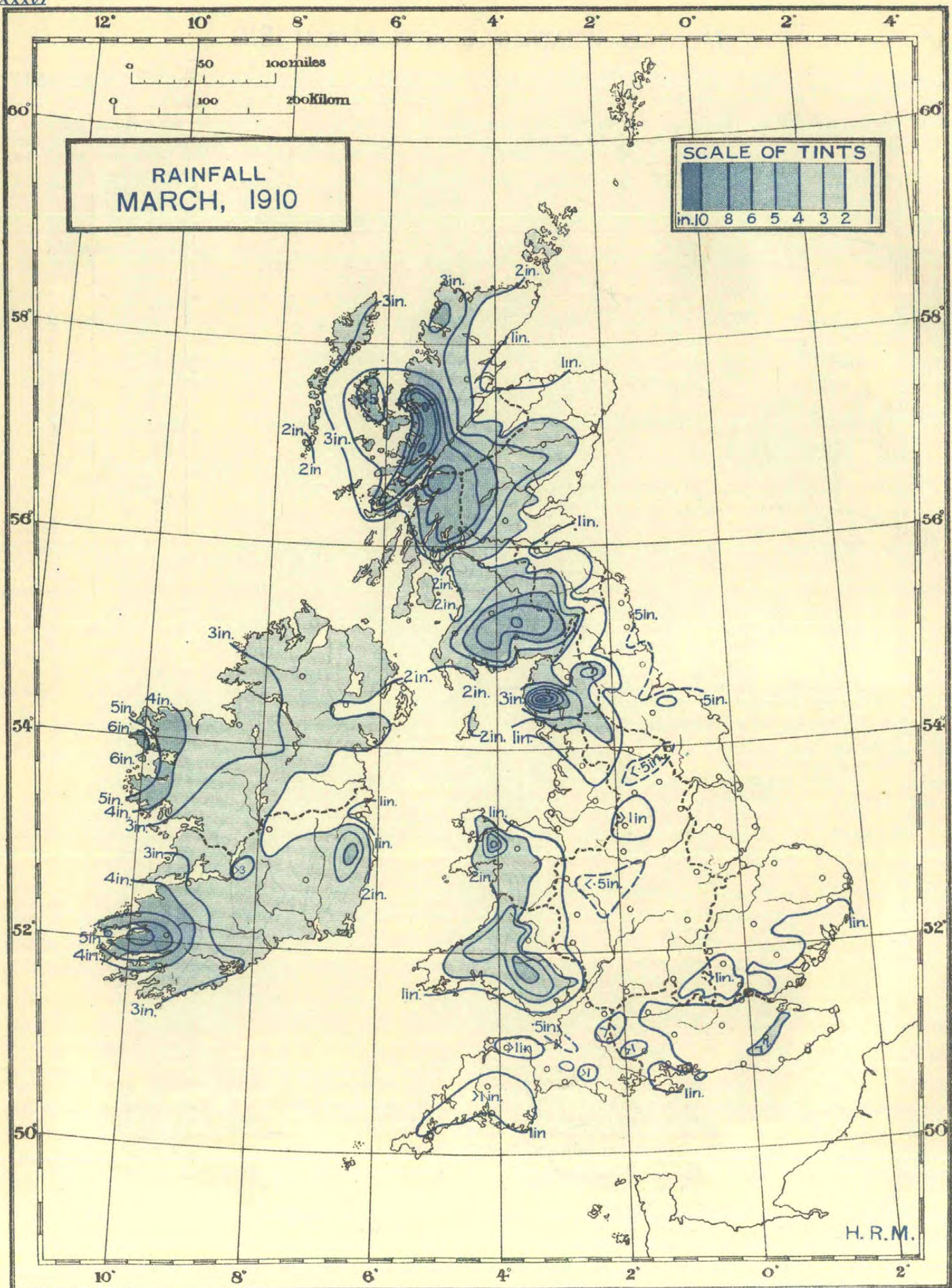


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, MARCH, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.						
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.							Ins.	Ins.						Ins.	Date.
			Max.	Min.																					
			°	°																					
Ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°			
3. ENGLAND, S.W.— (continued)	Port Talbot - - -	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	154	—	42	—			
	Forest of Dean - - -	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	—	—	—				
	" " - - -	900	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11	—	—	—				
	a Cardiff - - -	50	50.6	36.3	43.5	+ 0.2	58	30th	30	16th, 30th	42.6	43.7	15	1.15	- 1.75	0.31	7th, 9th	11	166	—	45	—			
	a Swansea - - -	24	50.6	39.2	44.9	—	59	30th	32	1st, 16th	—	—	13	0.99	—	0.23	6th	10	146	—	40	—			
	a Shaftesbury - -	722	48.9	37.0	43.0	+ 2.1	56	30th	31	13th	43.2	—	—	0.66	- 1.52	0.26	9th	10	—	—	—	—			
	a Arlington - - -	613	49.2	35.8	42.5	+ 1.3	56	26th	28	16th	—	—	—	1.49	- 2.22	0.24	1st	12	—	—	—	—			
	a Cullompton - -	202	51.9	35.6	43.8	+ 0.1	58	21st	26	14th	—	—	17	0.89	- 1.53	0.30	9th	12	163	+ 42	45	+ 12			
	Torquay - - -	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	197	+ 57	54	+ 16			
	a Weymouth - - -	21	51.1	39.2	45.2	—	58	21st	30	14th	—	—	—	0.62	—	0.22	9th	8	185	—	51	—			
	p Paignton - - -	11	51.0	38.8	44.9	—	57	21st	29	14th	—	—	—	1.09	—	0.34	9th	10	203	—	55	—			
	a Sheepstor - - -	749	49.3	33.5	41.4	—	56	28th, 30th	24	14th	—	—	—	1.79	—	0.54	9th	12	—	—	—	—			
	a Newquay - - -	100	49.8	40.2	45.0	+ 0.4	55	7th	33	16th	45.8	—	—	0.63	- 1.71	0.16	6th	8	184	+ 50	50	+ 13			
	Salcombe - - -	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	194	—	53	—			
	Fowey - - -	—	51.7	39.0	45.4	—	59	22nd	29	14th	—	—	—	0.82	—	0.29	1st	8	—	—	—	—			
9. IRELAND, N.	a Penzance - - -	54	51.6	41.9	46.8	—	56	21st	33	14th	—	—	—	0.82	—	0.19	17th	9	180	—	49	—			
	p Dunfanaghy - - -	54	49.3	39.3	44.3	—	57	29th	33	1st, 28th	—	—	—	2.85	—	1.01	9th	19	—	—	—	—			
	p Dublin (Glasnevin) -	67	50.2	35.9	43.1	+ 0.7	56	7th	27	26th, 29th	—	—	19	0.75	- 1.30	0.23	1st	12	—	—	—	—			
	a Kingstown - - -	42	49.5	39.5	44.5	—	56	20th	32	29th	—	—	—	1.03	—	0.40	1st	8	114	—	31	—			
	p Clongowes Wood College	245	50.1	34.2	42.2	—	58	29th	25	29th	—	—	18	1.42	—	0.53	1st	11	89	—	24	—			
10. IRELAND, S.	a Mountmellick - - -	253	49.9	36.5	43.2	—	58	20th	29	28th	—	—	—	2.02	—	0.53	1st	11	—	—	—	—			
	p Newcastle (Co. Wicklow)	256	48.6	37.2	42.9	—	54	20th	31	1st	—	—	—	2.25	—	1.20	1st	11	—	—	—	—			
	a Kilkenny - - -	212	50.0	37.0	43.5	+ 0.3	57	20th	28	29th	—	—	—	1.90	- 0.27	0.72	1st	13	—	—	—	—			
	a Cahir - - -	199	50.0	38.2	44.1	+ 0.8	57	29th	27	11th	—	—	—	2.18	—	0.34	1st	17	—	—	—	—			
	a Foynes - - -	108	50.4	38.7	44.6	+ 1.0	58	29th	32	11th, 15th	—	—	—	2.53	- 0.28	0.74	1st	22	—	—	—	—			
11. ENGLISH CHANNEL	a Ballinacurra - - -	34	51.0	37.9	44.5	—	59	20th	30	29th, 31st	—	—	—	2.61	—	0.65	14th	10	110	—	39	—			
	a Guernsey (Villa Carey) -	189	52.2	41.2	46.7	+ 1.7	59	28th	34	15th	—	—	—	1.93	- 0.50	0.84	11th	8	196	+ 49	54	+ 14			

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

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 A and B. 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 A. 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 ‡ 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.

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,
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THIRTY-FIFTH YEAR.
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Weekly Weather Report. } No. IV.

APRIL, 1910.

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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The anticyclonic distribution of pressure which had prevailed over the United Kingdom during the greater part of March began to exhibit signs of a change on the closing day, when the barometer attained its highest level, above 30·7 ins., on the North Sea. By the evening of the 31st the mercury was already on the decline over Western Europe generally. Next morning it stood at 30·59 ins. at Shields, and 30·58 ins. at Liverpool, and these proved to be the highest readings reported in this country during the month. Afterwards the high pressure system was transferred eastward to Russia, and with the appearance of another anticyclone in the Greenland-Iceland district a very unsettled type of conditions was developed over the intervening region, embracing the Atlantic and Western Europe. Out on the ocean an extensive area of low pressure was centred in about 20° W. to 40° W., in the neighbourhood of the 45th parallel, for a period of nearly three weeks.* A shallow disturbance which was moving eastward off the south of Iceland at the beginning of the month filled up on the morning of the 3rd, on nearing the north coast of Scotland. At the same time another depression, coming up from the Western Mediterranean, was crossing Belgium and Holland for the North Sea. Arriving off the Yorkshire coast on the morning of the 5th the path of progression was altered, and taking a south-westerly course across England, Wales and the Bristol Channel the system dispersed on the 7th to the westward of Scilly. Between the 6th and the 10th the Greenland-Iceland anticyclone moved slowly southward across Scotland and Ireland to the Bay of Biscay. It was of slight intensity, barometer a little above 30·2 ins., but it served to temporarily modify to some extent the unsettled weather. With its passage eastward from the Bay across the Continent a long spell of disturbed conditions set in, the country being under the influence of a succession of depressions of varying degrees of intensity advancing from mid Atlantic or from the Iceland region, and in nearly every instance the central spaces of the systems visited the locality between the Farøe and the Norwegian coast. In one of these disturbances, which moved northward across the country on the 13th and 14th, the barometer fell below 29 ins. in many places, and on the morning of the 14th it touched 28·82 ins. at Wick. Again on the 24th, during the passage of a well marked depression which had passed some distance southward of Iceland, pressure decreased below 29 ins. over Scotland and the north of Ireland, to 28·81 ins. at Stornoway. From the 21st the conditions over Western Europe were largely determined by an extensive anticyclone, which from that day to the close of the month occupied the greater part of the Atlantic, while low pressure systems still prevailed from Iceland across to Southern and South-Eastern Europe. On the last day of the month the anticyclone attained its maximum pressure, above 30·7 ins., in about 48° N., 20° W., the system having by this time embraced the whole of the British Isles, the barometer exceeding 30·5 ins. at various Irish stations, reaching 30·55 ins. at Valencia.

Owing to the large number of depressions which visited our neighbourhood the mean pressure for the month was below the average at all stations, the deficiency being only nominal at Valencia, the station nearest the Atlantic anticyclone, but increasing eastward and northward, so that Nairn was 0·17 in., and Sumburgh Head 0·21 in. below the average. The range of pressure during the month was everywhere considerably greater than in March. At Dungeness it amounted to 1·2 in., and at Jersey and generally over the south-east of England it was 1·3 in., while it exceeded 1·5 in. at the great majority of stations, and was about 1·7 in. across the north of England, from Holyhead to Shields. The mean results ranged from 30·01 ins. at Horta, Azores, 29·93 ins. at Brest, and 29·90 ins. at Jersey to 29·68 ins. at Christiansund, and 29·65 ins. at Sumburgh Head, thence to the northward increasing again, the highest value being 30·01 ins. at Isafjord, in the north-west of Iceland. The mean pressure distribution was thus at variance with the normal for the season, the minimum, instead of lying to the south or south-west of Iceland, being found beyond the north-east of Scotland. Between Jersey and Shetland there was a difference of pressure amounting to 0·26 in., against a normal of 0·06 in., the gradient indicating the greater prevalence of North-Westerly types than usual. Westerly to Northerly winds predominated, but South-Westerly and North-Easterly were nearly as frequent.

With the exception of a North-Easterly gale at Yarmouth on the 1st the wind force rarely exceeded that of a strong breeze in the first twelve days of the month, but afterwards high winds were of daily occurrence. A notable feature which marked many of the disturbances was the elongated, narrow formation of the central spaces of those moving across the country, and the well-defined V-shaped secondaries which extended southward from

depressions whose centres passed eastward in the far north. Many of the gale forces associated with the passage of line squalls were from West to East across the country. Considering the very disturbed character of the period the weather may be described as breezy rather than stormy, the instances of gale force registered at the telegraphic reporting stations being comparatively few. North-Westerly squalls of the force of a strong gale occurred at Scilly on the 13th and 16th, and at Roche's Point on the 24th, a whole gale at Wick on the 19th. The records of self-registering anemometers show that in gusts of short duration the wind attained a velocity at the rate of 60 miles an hour at Pendennis Castle, and 65 miles per hour at Roche's Point on the 24th.

The spell of dry weather which set in about the middle of March lasted until April 3rd over a great part of England, the duration of the drought at a large number of stations being sixteen days, at Dursley (Gloucester) and Isleworth seventeen days, at Worcester Lodge (Forest of Dean) twenty-two days. With the break-up of the drought the weather conditions assumed a typically April character, the numerous disturbances producing rapid alternations of sunshine and showers, but the latter were very frequently made up of hail, sleet or snow. As a general rule the individual falls were not very heavy, but on the 6th a few stations in the south of England registered more than an inch, up to 1·4 in. at Salisbury. Similar amounts were recorded in western Scotland on the 11th, and in a more general fall over the northern districts on the 13th the amounts ranged up to 1·7 in. at Ardross Castle. In many parts of England on this day thunderstorms occurred, and again on the 15th, but these were exceeded in violence and in the extent of the area affected by the storms of the 16th, which raged in nearly all parts of England, the rain in numerous instances being accompanied by very heavy falls of hail. This was especially noticeable in some of the southern and northern suburbs of the Metropolis, where the hail lay about 2 ins. deep. There were not, however, many large rainfall records, which were of the usual local thunderstorm character. At Muswell Hill 2·2 ins. fell, at Greenwich 1·5 in., other London stations ranging down to 0·2 in. or less. At Camden Square 0·24 in. fell in eight minutes. Thunderstorms were subsequently of almost daily occurrence, principally on the 24th and 25th, but there were not great rainstorms. The snowfalls of the month were as a rule slight, but at Fort Augustus 4½ ins. fell on the 17th.

Temperature was generally below the normal, there being a marked absence of warm days. Maxima above 60° were uncommon, but on the 14th Whitby registered 67°, and on the 21st Greenwich, Camden Square and Maidenhead rose to 66°. On the other hand there were numerous afternoon values below 45°, as low as 37° at Glencarron and Stornoway on the 14th, and 35° at Marchmont on the 15th, and Stonehaven on the 16th. Severe night frosts occurred on various dates, the shade minima being 25° and under in many districts. On the morning of the 1st Garforth touched 17°, and Llangammarch Wells 20°; and on the 3rd Cambridge and Wokingham 21°, but from the 19th to the 21st the nights were very mild, with minimum temperatures of 50° and upwards, as high as 54° at Killarney and Tottenham.

Fog was very prevalent on the southern and western coasts from the 17th to the 22nd, dense in places on the 17th, 18th and 19th, involving the wreck of the Atlantic liner *Minnehaha* at Scilly. On the east coast fog was moderately frequent during the first half of the month.

The temperature of the sea water round the coasts was about the same as, or a little higher than, in March. On the east coast of England it was about 2° colder than the air on shore, but elsewhere it equalled or slightly exceeded the shore temperature.

Rainfall.—Jersey returned a deficiency of an inch in the month's precipitation, and Guernsey lost more than an inch, but generally over the British Isles there was an excess, as a rule not large, but at some stations in Scotland it was more than 3 ins., as much as 4·2 ins. at Fort William, and 5·5 ins. at Glencarron. At a number of stations in eastern England and on the Channel the total for the month was less than 1·5 in., 1·1 in. at Kew, Jersey and Guernsey (Villa Carey), an inch at Shoberyness, and 0·9 in. at Southend, while the largest aggregates were 8 ins. at Kinlochewe, 9 ins. at Plynlimmon, 10·8 ins. at Glencarron, and 14·8 ins. at Glenquoich. There was measurable precipitation at Dundee and Sandgate on eleven days, and at Yarmouth on twelve days, against twenty-six days at Balta Sound, Stornoway and Poltalloch, twenty-seven at Foynes, and twenty-eight at Glencarron.

Bright Sunshine.—All districts had less sunshine than usual, the deficiency in several instances exceeding 30 hours, 43 at York, 46 at Strathpeffer, and 49 at Prestwich. The total duration ranged from 77 hours (19 per cent. of the possible) at Whitworth Park and Prestwich, 80 hours (19 per cent.) at Manchester (City), and 82 hours (20 per cent.) at Hull and Newcastle-on-Tyne to 175 hours (41 per cent.) at Castlebay, 177 hours (43 per cent.) at Scilly, 189 hours (46 per cent.) at Guernsey, Cromer and Yarmouth, and 195 hours (48 per cent.) at Jersey.

* NOTE.—Commencing with April 7th, daily weather maps covering Europe, Algeria, the Atlantic and North America are now published on the weekly issues of the "Monthly Meteorological Charts of the North Atlantic and Mediterranean," issued by Authority of the Meteorological Committee.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
C. SCOTLAND, N.																									
Islands.	CASTLEBAY - - -	48	29.686	-.089	-.002	46.7	38.6	42.7	-2.2	51	30th	34	3, 12, 14	42.3	45.1	42.7	1.9	2.5	1.9	2.30	2.44	2.34	86	81	86
	Deerness - - -	163	29.477	-	-.007	45.0	37.0	41.0	-1.4	49	10th, 30th	31	22nd	42.1	-	40.1	2.6	-	1.7	2.16	-	2.15	80	-	86
	SUMBURGH HEAD	126	29.481	-.214	-.002	45.1	-	-	-	50	30th	-	-	39.7	42.9	39.7	1.6	2.8	1.8	2.12	2.18	2.09	87	80	85
	STORNOWAY - -	52	29.671	-.104	-.002	46.7	35.8	41.3	-1.9	52	1, 7, 8, 30	31	3rd, 15th	39.6	44.9	40.3	1.3	2.5	1.4	2.17	2.42	2.21	89	82	89
Mainland.	Wick - - -	80	29.582	-.172	+.003	47.2	35.2	41.2	-1.9	54	7th	30	8, 16, 23	40.1	-	42.6	1.8	-	2.3	2.12	-	2.25	85	-	83
	Strathpeffer -	210	29.485	-	-.003	47.3	35.6	41.5	-2.1	55	8th	30	16th	42.6	-	39.8	2.8	-	2.1	2.15	-	2.04	80	-	84
	Glencarron - S	504	29.176	-	-.007	45.9	33.9	39.9	-3.0	55	8th	28	8th, 16th	40.2	-	38.7	2.0	-	1.6	2.09	-	2.04	85	-	87
	Fort Augustus S	73	29.666	-	-.007	47.5	35.2	41.4	-3.1	58	8th, 30th	27	16th	40.8	-	40.8	2.1	-	1.9	2.12	-	2.16	84	-	85
	Fort William - S	38	29.713	-	-.007	48.0	35.3	41.7	-3.4	56	6, 7, 8th	28	8th	41.6	-	40.8	2.6	-	2.4	2.10	-	2.07	80	-	81
	Dunrobin Castle	16	29.684	-	-.007	47.5	34.8	41.2	-2.6	56	30th	30	8, 9, 16	43.0	-	40.0	2.9	-	2.0	2.19	-	2.09	79	-	84
District Value -		-	-	-	-	47.1	35.2	40.9	-2.0	58	30th	27	-	-	-	-	-	-	-	-	-	-	-	-	-
1. SCOTLAND, E.																									
Northern Part.	Tillypronie - S	1120	28.497	-	-.007	45.9	31.3	38.6	-1.8	59	8th	26	16th	38.9	-	36.8	2.0	-	1.4	2.00	-	1.93	84	-	87
	Dundee - - -	164	29.564	-	-.007	49.7	35.7	42.7	-1.6	59	30th	30	8, 15, 18	43.1	-	40.7	2.0	-	1.6	2.37	-	2.23	85	-	88
	Nairn - - -	82	29.603	-.148	+.003	47.9	34.1	41.0	-3.1	55	8th, 30th	27	8, 16, 18	38.6	44.8	43.1	1.8	3.6	2.5	2.19	2.20	2.25	85	74	81
	Gordon Castle S	107	29.592	-	-.007	48.7	34.3	41.5	-2.8	55	10th	28	16th	43.2	-	40.6	3.0	-	1.8	2.17	-	2.16	78	-	86
	Aberdeen - -	90	29.623 29.615	-.158 -.159	-	47.8 47.8	36.8 36.8	42.3 42.3	-1.5 -0.6	56	10th	32	8th	42.7	45.5	41.3	3.1	4.2	2.6	2.11	2.16	2.08	77	71	80
	Balmoral - - S	927	28.675	-	-	47.5	33.0	40.3	-0.4	60	30th	23	16th	40.5	-	-	1.6	-	-	2.19	-	-	87	-	-
	Grieff - - -	486	29.259	-	-.007	50.1	35.0	42.6	-2.2	61	8th	30	2nd, 18th	42.6	-	40.8	2.8	-	2.6	2.15	-	2.03	80	-	80
	Leith - - -	37	29.680	-.112	+.003	50.4	38.0	44.2	-1.1	59	30th	31	1st, 2nd	41.4	-	47.1	1.8	-	4.1	2.24	-	2.32	87	-	72
	Marchmont - S	500	29.202	-	-.007	49.2	34.6	41.9	-1.3	57	13th, 30th	27	1st, 2nd	42.7	-	40.7	2.8	-	2.3	2.16	-	2.08	79	-	82
	District Value -		-	-	-	-	48.6	34.8	41.4	-1.9	62	23	-	-	-	-	-	-	-	-	-	-	-	-	-
2. ENGLAND, N.E.																									
Northern Part.	Seaham - - -	188	29.615	-	-.008	49.9	37.5	43.7	-0.9	59	21st	28	2nd	45.3	-	42.4	3.0	-	1.8	2.42	-	2.41	78	-	86
	Whitby - - -	145	29.595	-	-.008	53.1	36.2	44.7	-0.3	67	14th	25	1st	46.0	-	43.7	3.3	-	2.3	2.41	-	2.42	77	-	83
	Cockle Park (Morpeth)	381	29.403	-	-.008	49.6	34.6	42.1	-	58	18th	26	2nd	44.0	-	41.6	2.1	-	1.4	2.46	-	2.36	85	-	89
	Shields - - -	117	29.627	-.115	+.003	50.2	35.6	42.9	-1.3	59	21st	28	3rd	41.0	-	45.9	1.8	-	2.9	2.19	-	2.45	86	-	80
	Durham - - -	352	29.374	-	-.008	50.1	35.6	42.9	-1.3	58	13th	25	2nd	44.3	-	41.8	2.7	-	2.0	2.35	-	2.27	81	-	85
	Rounton - - -	245	29.489	-	-.008	51.2	35.1	43.2	-0.6	61	18th	24	2nd	44.1	-	41.5	2.9	-	1.6	2.27	-	2.28	79	-	87
	Scarborough - M	127	29.632	-	-.008	52.7	37.9	45.3	+0.6	63	21st	31	3rd	46.5	-	44.1	3.1	-	2.1	2.46	-	2.43	79	-	83
Southern Part.	York - - -	53	29.737	-	-.008	52.8	36.7	44.8	-1.1	62	21st	26	1st	45.0	-	44.3	3.0	-	2.3	2.33	-	2.41	78	-	82
	Spurn Head - -	28	29.746	-.098	+.002	51.0	39.8	45.4	+0.6	59	15th	34	3rd	43.3	48.9	46.1	1.1	1.8	1.0	2.56	3.02	2.88	92	88	93
	Lincoln - - -	42	-	-	-	53.0	37.2	45.1	-1.5	60	21st	28	2nd	46.0	-	-	3.1	-	-	2.44	-	-	78	-	-
	Skegness - - -	16	29.778	-.081	+.002	51.3	38.1	44.7	-	59	13th, 21st	26	3rd	42.4	-	46.8	1.2	-	2.3	2.45	-	2.66	91	-	84
Hull - - -		2	-	-	-.008	52.7	37.0	44.9	-0.3	62	21st	28	2, 3, 10	46.4	-	44.2	2.4	-	1.7	2.60	-	2.53	83	-	87
District Value -		-	-	-	-	51.6	36.8	43.9	-0.4	67	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. ENGLAND, E.																									
Northern Part.	Lowestoft - -	75	29.741	-	-.009	50.9	39.5	45.2	0.0	62	21st	32	23rd	48.5	-	43.8	3.8	-	1.7	2.53	-	2.48	74	-	87
	Cromer - - -	139	29.643	-	-.009	52.1	38.5	45.3	-	61	13th	33	23rd	46.6	-	43.5	2.5	-	1.1	2.60	-	2.58	83	-	91
	Hillington - -	92	29.700	-	-.009	53.1	37.2	45.2	-0.9	61	13th	25	3rd	46.5	-	43.5	2.8	-	1.3	2.52	-	2.53	79	-	89
	Norwich - - -	93	-	-	-	54.3	39.1	46.7	-	61	13, 15, 21	27	3rd	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH - -	27	29.778	-.085	-.003	51.3	39.3	45.3	+0.5	62	21st	32	23rd	43.6	48.9	45.0	1.7	3.7	1.4	2.47	2.60	2.66	87	75	89
	Geldeston - -	47	29.766	-	-.009	54.1	38.3	46.2	+0.4	63	21st	30	23rd	47.5	-	43.6	3.3	-	1.3	2.52	-	2.55	77	-	89
	Southern Part.	Cambridge - -	43	29.776	-	-.009	54.5	37.4	46.0	-1.0	64	21st	21	3rd	47.5	-	43.8	3.5	-	1.4	2.53	-	2.59	77	-
CLACTON - - -		62	29.769	-.064	-.003	51.8	40.0	45.9	-0.8	64	21st	30	3rd	44.0	49.3	45.3	1.9	3.7	1.9	2.46	2.65	2.59	85	75	86
Woburn - - -		294	29.534	-	-.009	53.0	37.4	45.2	-	62	21st	22	3rd	45.6	-	43.9	2.8	-	1.7	2.47	-	2.54	80	-	87
Bennington - -		411	29.426	-	-.009	53.3	37.9	45.6	-0.5	62	21st	28	3rd	45.8	-	43.2	3.2	-	1.9	2.37	-	2.38	77	-	85
Berkhamsted - -		397	29.416	-	-.009	53.4	37.8	45.6	-0.6	64	21st	26	3rd	45.6	-	43.6	3.1	-	1.9	2.37	-	2.41	77	-	85
District Value -		-	-	-	-	53.2	38.8	45.7	+0.1	66	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. MIDLAND COS.																									
Eastern Part.	Garforth - - -	198	-	-	-.008	51.9	34.4	43.2	-	60	18th	17	1st	45.7	-	42.6	3.2	-	2.0	2.38	-	2.36	78	-	85
	Huddersfield -	411	29.350	-	-.008	50.7	36.9	43.8	-	59	18th	26	1st	43.5	47.9	42.3	2.5	3.9	1.8	2.32	2.50	2.36	82	75	86
	Wakefield - -	100	29.679	-	-.008	53.1	37.6	45.4	0.0	62	18th	24	1st	45.9	-	45.0	3.2	-	2.6	2.38	-	2.41	77	-	81
	Belvoir Castle -	276	29.520	-	-.009	52.5	36.8	44.7	-1.2	59	18th, 20th	26	3rd	43.9	-	42.9	2.7	-	1.5	2.29	-	2.44	80	-	88
	Coventry - - -	309	29.500	-	-	53.1	38.9	46.0	-1.0	62	21st	28	3rd	46.0	-	-	3.7	-	-	2.31	-	-	75	-	-
	NOTTINGHAM -	85	29.712	-.090	-.003	52.1	36.7	44.9	-1.5	60	20th	26	3rd	41.8	49.5	44.5	1.4	4.2	2.1	2.36	2.56	2.46	89	72	84
	Birmingham -	542	29.239	-	-.009	52.1	38.3	45.2	-0.5	62	21st	31	3rd	42.8	-	44.5	2.4	-	2.7	2.29	-	2.39	82	-	80
	Oxford - - -	212																							

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of APRIL, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.								STATIONS.					
At 1 foot depth.	At 4 feet depth.	Total In Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind force 8 and above.	No. of Observations at 9 a.m., 3 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										N.	N.E.	E.	S.E.	S.	S.W.	W.		N.W.				
°	°	Hrs.	Hrs.	%	%				Inch.	Inch.	Inch.																						(Isd.)	
—	—	175	—	41	—	8·1	7·9	7·5	4·33	—	0·87	11th	21	1	6	0	2	17	0	—	0	46	0	20	8	5	4	3	8	18	24	Castlebay (Barra)		
—	—	125	-24	29	-6	7·2	—	6·2	3·47	+1·55	0·68	17th	21	1	2	0	1	12	1	—	4	35	5	6	6	2	6	9	8	11	8	Deerness.		
—	—	—	—	—	—	5·8	6·2	6·5	4·50	+2·44	1·14	13th	24	2	0	0	0	6	0	—	1	43	5	8	17	3	5	13	16	10	13	Sumburgh Head.		
—	—	143	-16	33	-4	7·9	7·4	7·5	6·42	+3·74	0·93	27th	26	6	8	0	1	11	1	—	3	57	1	15	15	8	1	5	13	10	13	Stornoway.		
—	—	—	—	—	—	8·0	—	8·1	4·42	+2·60	1·20	13th	24	4	1	0	0	16	1	—	3	18	2	17	4	4	3	11	3	12	4	Wick.		
—	—	96	-46	23	-10	8·2	—	6·5	3·62	+1·83	0·65	13th	24	1	0	0	0	11	2	—	2	18	14	1	8	5	0	2	11	11	8	Strathpeffer.		
—	—	—	—	—	—	8·1	—	6·2	10·76	+5·45	1·38	13th	28	11	0	1	4	17	0	—	1	44	3	16	1	8	0	1	0	31	0	Glencarron.		
—	—	102	-14	24	-3	8·2	—	7·2	6·15	+3·88	1·16	13th	19	7	1	0	0	16	0	—	2	22	3	3	13	2	0	6	28	4	1	Fort Augustus.		
—	—	—	—	—	—	8·4	—	6·3	8·03	+4·23	1·11	11th	22	5	1	0	2	12	0	—	1	18	5	0	15	5	1	0	17	9	8	Fort William		
44·8	—	—	—	—	—	7·7	—	5·9	3·23	+1·26	0·64	16th	18	2	0	0	1	10	0	—	0	3	0	8	2,	11	4	1	9	10	15	Dunrobin Castla.		
—	—	117	-22	27	-6	7·8	7·2	6·8	6·27	+3·32	1·38	—	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	7·4	—	6·0	4·40	—	0·87	16th	20	12	1	1	1	13	2	21	1	22	0	10	4	0	7	6	12	5	16	Tillypronie.		
—	—	—	—	—	—	8·0	—	7·3	2·08	+0·11	0·48	12th, 16th	11	2	1	0	0	11	1	—	3	11	0	2	12	0	6	1	23	2	14	Dundee.		
—	—	115	—	27	—	8·0	8·0	7·7	4·63	+3·36	1·01	13th	20	2	2	1	0	13	3	—	0	6	18	7	5	11	0	0	11	30	8	Nairn.		
—	—	134	—	32	—	7·8	—	5·8	4·56	+2·86	1·04	13th	19	2	1	1	0	7	0	—	0	5	0	1	10	0	9	4	14	8	14	Gordon Castle.		
—	42·2	150	-5	35	-2	7·1	6·4	4·9	2·85	+0·76	0·82	12th	20	2	6	2	4	8	1	—	0	25	6	6	8	4	2	12	14	13	25	Aberdeen.		
—	—	—	—	—	—	8·5	—	—	3·16	+0·93	0·84	12th	18	5	1	1	1	18	1	17	4	0	8	2	4	0	8	4	26	8	8	Balmoral.		
—	—	—	—	—	—	7·5	—	6·2	3·72	+1·44	0·88	13th	16	3	1	0	3	13	1	—	1	23	0	1	10	14	0	0	0	32	3	3	Crieff.	
—	—	—	—	—	—	7·0	—	6·3	3·29	+1·88	1·18	16th	15	0	2	1	0	12	0	—	0	15	2	1	11	4	1	3	21	14	3	Leith.		
42·6	—	141	0	34	0	8·1	—	4·3	2·64	+0·33	0·46	16th	16	4	0	0	2	12	0	16	0	3	0	15	3	13	2	9	5	10	3	Marchmont.		
—	—	135	-10	32	-2	7·7	—	6·1	3·55	+1·66	1·18	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	—	—	—	—	—	7·2	—	6·9	2·22	+0·44	0·54	5th	17	3	1	3	2	11	0	—	0	20	3	11	4	2	2	5	12	17	4	4	Seaham.	
—	—	140	—	33	—	5·6	—	4·9	1·90	+0·22	0·33	16th	17	1	0	0	7	9	2	—	0	0	4	0	9	0	6	2	20	6	13	13	Whitby.	
41·8	42·6	127	—	30	—	7·5	—	6·6	2·11	+0·06	0·41	15th	18	1	1	1	1	10	2	11	1	22	4	5	7	6	4	8	6	8	12	Cockle P'k (Mor-		
—	—	—	—	—	—	7·7	—	8·0	1·88	+0·29	0·31	15th	21	0	3	0	0	16	2	—	0	9	0	10	6	4	4	7	18	10	1	1	Shields. (peth.)	
—	—	115	-18	28	-4	8·2	—	7·1	2·41	+0·56	0·60	4th	15	4	0	2	2	16	0	9	1	17	8	6	5	2	0	9	10	17	3	3	Durham.	
43·8	—	—	—	—	—	7·9	—	6·8	2·12	+0·46	0·56	4th	17	2	1	1	2	15	0	16	0	17	7	1	11	1	3	14	7	6	10	10	Rounton.	
—	45·4	119	—	28	—	7·0	—	8·0	1·38	+0·39	0·25	14th	15	0	0	2	0	12	3	11	0	23	0	4	18	0	7	1	16	1	13	13	Scarborough.	
44·6	44·9	93	-43	22	-11	7·6	—	6·1	2·66	+0·95	0·73	14th	20	0	2	2	3	10	0	—	0	2	0	12	7	4	2	8	6	16	5	5	York.	
—	—	—	—	—	—	7·4	7·5	7·5	1·58	+0·45	0·49	16th	17	0	0	1	0	6	1	—	0	86	0	8	13	8	6	10	21	14	10	10	Spurn Head.	
44·4	43·8	—	—	—	—	7·6	—	5·7	1·79	+0·23	0·44	16th	17	0	0	0	2	13	0	—	0	4	8	1	5	7	4	6	10	18	1	1	Lincoln.	
—	—	140	—	34	—	5·9	—	7·7	2·80	—	0·88	16th	19	0	0	0	1	0	7	1	—	0	9	0	10	6	3	4	7	11	11	8	8	Skegness.
44·8	43·7	82	—	20	—	7·3	—	6·1	2·08	+0·40	0·43	14th	20	0	4	1	1	7	3	14	0	1	11	4	7	7	4	1	11	8	7	7	Hull.	
44·3	43·8	119	-34	29	-8	7·2	—	6·8	1·93	+0·35	0·88	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
46·8	45·5	189	—	46	—	5·9	—	5·4	1·71	+0·16	0·47	4th	12	1	0	3	3	4	0	3	0	36	1	8	7	5	0	10	12	11	6	6	Lowestoft.	
—	—	156	—	38	—	6·6	—	7·0	1·59	—	0·23	28th	21	0	0	0	0	9	0	—	0	31	0	12	3	4	4	11	9	9	8	8	Cromer.	
—	—	128	-24	31	-6	7·0	—	5·9	3·46	+1·76	0·69	16th	19	1	3	4	0	9	0	13	0	3	13	1	10	0	1	2	12	12	9	9	Hillington.	
—	—	—	—	—	—	—	—	—	2·37	—	0·73	4th	19	—	—	—	—	—	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—	
47·1	46·7	189	—	46	—	5·8	5·3	6·0	1·89	+0·25	0·60	4th	12	1	3	2	0	1	0	—	1	26	0	11	11	6	7	11	18	18	8	8	Norwich.	
—	—	152	-9	37	-2	6·8	—	5·6	1·66	+0·11	0·53	4th	16	1	1	2	2	9	0	—	0	1	1	8	7	2	4	8	10	15	5	5	Larmouth.	
46·6	45·8	135	-25	33	-6	7·6	—	4·5	2·13	+0·62	0·70	16th	19	0	3	4	2	10	0	21	1	19	9	6	3	1	3	10	12	11	5	5	Cambridge.	
46·9	47·0	145	—	35	—	6·3	6·8	5·4	1·44	—	0·37	4th	17	0	0	2	2	6	0	7	0	32	2	6	10	4	9	18	9	16	16	16	16	Clacton.
—	—	100	—	24	—	8·9	—	5·4	1·85	—	0·38	4th	18	0	2	2	0	11	0	—	0	17	5	1	9	2	2	5	13	14	9	9	Woburn.	
45·7	44·9	—	—	—	—	8·3	—	5·4	2·17	+0·41	0·51	16th	18	1	8	3	1	12	2	14	0	4	12	3	7	1	3	5	10	18	1	1	Bennington.	
46·7	—	117	—	28	—	8·1	—	5·7	1·41	+0·45	0·40	28th	16	0	3	1	1	14	0	15	0	0	6	5	9	1	3	8	8	13	7	7	Berkhamsted.	
46·6	45·9	143	-17	35	-4	7·2	—	5·7	1·97	+0·42	0·73	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
43·7	43·3	129	—	31	—	7·1	—	5·5	2·02	—	0·36	15th	17	0	2	0	1	7	0	—	0	5	2	6	11	0	5	1	15	10	10	10	Garforth.	
43·9	42·4	105	—	25	—	7·8	7·9	5·8	2·89	—	0·43	24th	18	0	3	1	0	13	0	9	0	24	8	8	7	6	6	10	8	24	13	13	Huddersfield.	
—	—	—	—	—	—	7·7	—	7·2	1·98	+0·09	0·65	15th	16	0	2	1	0	12	2	—	0	4	4	8	9	2	1	3	13	14	6	6	Wakefield.	
44·1	43·7	127	—	31	—	8·2	—	6·6	2·11	+0·30	0·45	16th	19	0	4	2	0	13	4	12	0	16	4	9	5	0	1	6	17	10	9	9	Belvoir Castle.	
45·8	45·1	115	—	28	—	8·4	—	—	1·87	+0·16	0·32	28th	20	0	1	1	0	22	0	13	0	13	0	7	2	5	0	2	5	3	6	6		

* (8 ft.)

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.													
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 8 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.													
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.				
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.		
		Ft.	Inch.	Inch.														In.	In.	In.	%	%	%				
5. ENGLAND, S.E.—cont.	Eastbourne	36	29.818	—	—	009	51.7	41.3	46.5	—1.1	57	21st	35	23rd	47.3	—	45.4	3.2	—	1.7	2.57	—	2.67	78	—	88	
	Dungeness	21	29.790	—0.071	+	002	51.5	40.3	45.9	—0.6	57	21st	29	3rd	44.8	50.3	48.3	1.2	2.2	1.3	2.69	3.09	3.06	91	85	91	
	Hastings	174	29.670	—	—	009	51.7	40.4	46.1	—0.9	62	21st	33	3rd	46.6	—	45.3	3.5	—	1.9	2.39	—	2.59	76	—	86	
	Southampton	84	29.775	—	—	009	54.5	40.7	47.6	—0.8	63	21st	30	3rd	48.3	—	46.1	3.6	—	2.3	2.59	—	2.52	76	—	83	
	Ventnor	80	29.769	—	—	—	52.5	42.0	47.3	—0.9	59	22nd	35	1st	47.7	—	—	2.9	—	—	2.64	—	—	81	—	—	
District Value							52.8	39.7	46.0	—0.8	65		21														
LONDON	Tottenham	55	29.774	—	—	009	54.2	40.7	47.5	—0.3	64	21st	29	3rd	47.8	—	46.1	3.0	—	1.9	2.66	—	2.73	79	—	87	
	Hampstead	450	29.351	—	—	009	52.5	39.3	45.9	—	63	21st	32	1st	45.7	—	44.9	2.7	—	2.0	2.50	—	2.58	81	—	85	
	Camden Square	128	29.711	—	—	009	56.1	39.8	48.0	—0.5	66	21st	26	3rd	47.7	—	46.6	3.5	—	2.6	2.50	—	2.58	76	—	81	
	Westminster	54	29.774	—0.066	+	003	54.7	40.4	47.6	—0.3	64	21st	29	3rd	43.9	—	50.0	1.8	—	4.1	2.47	—	2.63	86	—	73	
	Greenwich	159	29.672	—	—	009	55.4	38.8	47.1	—1.0	66	21st	26	3rd	47.5	—	44.9	3.7	—	2.2	2.45	—	2.49	75	—	84	
		29.662	—0.086	—	—	—	—	—	46.4	—0.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Norwood	235	29.597	—	—	009	54.8	39.8	47.3	—0.2	64	21st	28	3rd	47.5	—	45.4	3.9	—	2.4	2.39	—	2.49	73	—	82	
	Kew	34	29.814	—0.063	—	009	53.9	40.2	47.1	—0.3	64	21st	29	3rd	47.0	52.1	46.5	3.6	5.8	3.1	2.41	2.51	2.46	75	65	79	
	Bunhill Row	—	29.806	—0.066	—	—	—	—	46.9	0.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
6. SCOT. LAND, W.	Eskdalemuir	778	28.915	—	—	—	46.8	32.4	39.6	—	54	30th	18	2nd	41.8	43.9	37.7	2.5	3.1	1.4	2.16	2.24	2.00	82	78	87	
	Poltalloch	135	29.615	—	—	007	49.0	36.5	42.8	—2.3	56	7th	30	8th, 15th	42.1	—	40.5	2.8	—	2.4	2.11	—	2.04	79	—	81	
	Glasgow	154	29.551	—	—	008	48.8	37.8	43.3	—1.6	56	30th	33	1st	43.0	—	41.9	2.9	—	2.4	2.13	—	2.20	80	—	82	
	Rothsay	76	29.688	—	—	007	49.7	37.9	43.8	—1.8	58	18th	32	8th	43.6	—	41.7	2.6	—	2.3	2.28	—	2.17	80	—	83	
	Colmonell	150	29.642	—	—	—	49.1	36.3	42.7	—2.8	55	10th	25	8th	42.5	46.5	—	2.3	3.6	—	2.24	2.36	—	82	75	—	
	Dumfries	155	29.615	—	—	007	50.0	36.9	43.5	—2.4	56	6, 20, 30	26	2nd	42.6	—	42.3	2.2	—	2.1	2.27	—	2.26	84	—	84	
	Gally, Gatehouse	120	—	—	—	007	50.3	36.6	43.5	—1.5	62	21st	28	2nd	45.2	—	41.9	2.0	—	1.9	2.55	—	2.26	85	—	86	
	Douglas	284	29.487	—	—	008	48.6	38.9	43.8	—1.6	55	18th	35	1st	43.5	—	42.4	1.9	—	1.6	2.43	—	2.33	86	—	88	
	District Value							49.4	37.2	43.1	—1.6	62		18													
	7. ISLE OF MAN	Southport	42	29.764	—	—	008	50.8	39.3	45.1	—0.8	59	18th	26	1st	45.4	48.8	44.3	2.6	4.2	1.9	2.46	2.49	2.49	82	72	85
Manchester (City)		196	29.595	—	—	008	51.1	39.6	45.4	—	60	18th	29	1st	45.0	—	45.2	2.9	—	2.6	2.38	—	2.48	79	—	82	
„ (Whitworth Pk)		127	29.633	—	—	008	51.5	38.7	45.1	—	60	18th	28	1st	45.1	49.6	45.0	1.8	—	1.2	2.61	—	2.68	87	68	91	
Darwen		730	29.011	—	—	008	48.9	35.1	42.0	—	57	13th	26	1st	42.9	—	41.7	2.1	—	1.8	2.34	—	2.30	84	—	86	
Aspatia		254	29.501	—	—	008	49.7	36.4	43.1	—2.1	57	26th	29	2nd	43.8	—	41.8	2.3	—	1.5	2.37	—	2.34	82	—	88	
Newton Rigg		559	29.155	—	—	008	49.9	35.4	42.7	—1.7	56	30th	23	2nd	41.9	—	42.1	2.2	—	2.2	2.22	—	2.22	85	—	83	
Stonyhurst		303	29.403	—	—	008	49.6	37.0	43.3	—1.9	57	18th	26	1st	43.6	—	42.8	2.2	—	2.0	2.33	—	2.36	84	—	85	
Blackpool		78	29.717	—	—	008	50.1	38.4	44.3	—1.5	56	6th	26	2nd	46.2	—	43.8	2.7	—	1.7	2.53	—	2.48	82	—	87	
M'nc'h't'r (Prestwich)		320	29.443	—	—	008	50.6	37.3	44.0	—1.5	59	18th	27	1st	44.4	—	43.8	2.3	—	2.2	2.42	—	2.39	83	—	83	
Liverpl. Bidston Obs.		197	29.587	—	—	008	50.6	39.8	45.2	—1.4	60	18th	32	1st	45.0	—	44.5	2.9	—	2.4	2.35	—	2.40	79	—	82	
8. NORTH WALES	Llandudno	21	29.793	—	—	008	50.7	39.9	45.3	—1.8	59	18th	30	1st	46.5	—	45.3	3.0	—	2.5	2.49	—	2.47	80	—	82	
	HOLYHEAD	48	29.756	—0.079	—	003	49.6	40.6	45.1	—1.6	57	21st	33	2nd	44.2	48.5	45.4	1.6	3.0	2.1	2.55	2.70	2.56	88	80	85	
	Bettws-y-Coed	100	29.683	—	—	008	52.0	37.9	45.0	—1.6	59	15th, 21st	25	1st	46.5	—	43.3	2.9	—	1.9	2.51	—	2.39	80	—	85	
	Llaneugrad	310	29.497	—	—	008	48.6	38.5	43.6	—	54	21st	33	2nd	45.1	—	42.3	2.5	—	1.6	2.48	—	2.39	82	—	88	
	District Value							50.8	38.2	44.1	—1.4	64		22													
	Llangamarch Wells	585	29.194	—	—	—	50.5	35.9	43.2	—1.7	57	10th	20	1st	44.4	—	—	2.1	—	—	2.46	—	—	84	—	—	
	PEMBROKE	160	29.669	—0.051	—	003	49.5	40.3	44.9	—1.6	54	22nd	32	1st, 2nd	43.7	47.1	44.3	1.0	1.8	0.9	2.62	2.81	2.70	92	87	93	
	Clifton	229	—	—	—	—	51.7	40.7	46.2	—1.2	58	12th, 21st	31	1st	—	—	—	—	—	—	—	—	—	—	—	—	
	PORTLAND BILL	23	29.812	—0.064	—	003	50.6	42.0	46.3	—2.1	54	10th, 22nd	33	1st	45.2	49.3	46.6	1.5	2.7	1.7	2.66	2.86	2.78	89	81	88	
	Plymouth	116	29.749	—	—	009	52.3	40.5	46.4	—2.0	60	20th	32	1st	47.7	50.5	45.8	3.1	4.4	2.3	2.64	2.70	2.62	79	73	84	
9. ENG. LAND, S.W.	Falmouth	183	29.701	—0.008	—	008	52.5	41.7	46.6	—1.3	61	20th	33	1st	47.8	50.0	45.6	3.4	4.1	2.3	2.54	2.63	2.55	77	73	83	
		29.693	—0.008	—	—	—	—																				

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of APRIL, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10).			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER.										WIND.										STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																							
47°3	46°8	157	-15	38	-4	6.0	—	5.2	1.97	+0.10	0.32	5th	17	0	1	2	7	11	1	—	0	1	1	3	13	2	2	0	22	7	10	Eastbourne.		
—	—	—	—	—	—	8.2	7.9	8.3	2.11	+0.73	0.36	13th	19	0	1	4	0	13	3	—	0	43	1	6	15	6	5	12	22	17	6	Dungeness.		
47°5	46°2	151	-22	37	-5	7.0	—	5.0	1.96	+0.14	0.35	23rd	19	0	2	1	4	9	1	7	0	17	3	6	9	1	3	8	10	10	10	Hastings.		
—	—	135	-33	33	-8	6.2	—	4.8	2.36	+0.38	0.74	6th	19	0	3	2	6	9	0	8	0	27	0	0	14	0	9	1	16	0	20	Southampton.		
—	—	155	-26	38	-6	7.8	—	—	1.89	+0.04	0.35	6th	19	0	1	0	1	18	0	—	0	13	2	4	4	2	8	10	14	9	7	Ventnor.		
46°9	46°2	141	-20	34	-5	7.1	—	5.9	2.09	+0.47	1.38	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Tottenham.		
—	45°5	118	—	29	—	8.0	—	6.0	1.73	—	0.80	16th	13	0	1	2	0	11	0	9	0	4	1	4	11	2	1	6	17	9	9	Hampstead.		
—	—	117	—	28	—	7.7	—	6.0	1.39	—	0.30	16th	18	1	3	3	1	14	0	—	1	17	2	10	1	0	10	15	6	5	Camden Square.			
45°4	44°0	115	—	28	—	7.2	—	—	2.24	+0.56	1.19	16th	18	0	1	1	3	15	0	12	—	—	2	2	4	1	1	6	3	3	8	Westminster.		
—	—	110	-3	27	-1	6.1	—	7.6	1.65	0.00	0.56	16th	21	3	2	3	0	13	0	10	0	14	3	2	8	2	2	6	15	15	7	Greenwich.		
—	45°4	130	-17	31	-5	7.6	—	6.6	2.62	+1.05	1.50	16th	16	0	4	3	2	13	1	13	0	10	4	5	8	3	2	10	14	8	6	Norwood.		
46°0	—	—	—	—	—	7.7	—	6.1	1.75	+0.07	0.50	16th	19	0	3	3	2	15	1	6	0	3	3	3	8	3	1	13	11	10	8	Kew.		
45°9	45°5	117	-32	28	-8	8.4	8.5	5.9	1.06	-0.56	0.25	28th	16	0	2	4	0	14	0	13	0	29	12	9	9	3	2	17	15	15	8	Bunhill Row.		
—	—	98	-20	24	-5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.		
—	—	87	—	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Esksdalemuir.		
—	—	120	—	29	—	8.7	8.3	6.1	5.72	—	1.17	27th	22	2	0	0	1	15	0	—	0	51	13	0	24	0	3	5	19	12	14	Poltalloch.		
—	—	—	—	—	—	8.0	—	7.3	5.16	+2.65	0.50	27th	26	5	4	0	2	16	0	—	1	24	2	11	8	2	4	1	8	18	6	Glasgow.		
—	—	109	-19	26	-4	8.7	—	8.2	4.43	+2.38	1.01	16th	17	1	0	0	0	19	0	8	0	8	5	4	6	8	0	3	10	15	9	Rothsay.		
—	43°6	—	—	—	—	6.5	—	4.8	4.24	+1.60	0.72	11th	25	0	0	0	5	8	8	—	2	19	7	8	5	8	0	4	5	10	13	Colmonell.		
—	—	—	—	—	—	7.2	—	—	3.15	+0.83	0.42	16th	20	2	0	0	1	11	2	10	2	36	6	6	2	2	2	12	2	16	18	Dumfries.		
43°8	43°9	125	—	30	—	8.4	—	6.1	2.99	+0.72	0.78	12th	18	2	1	0	4	16	1	8	1	21	0	4	11	0	0	1	23	2	19	Cally.		
—	—	—	—	—	—	—	—	—	3.88	+1.08	0.54	15th	24	1	2	0	—	—	—	0	5	0	5	9	4	6	0	9	5	22	20	Douglas.		
—	—	166	-14	40	-3	7.7	—	5.6	3.14	+0.74	0.51	15th	22	6	7	2	1	10	4	2	0	34	1	4	8	3	2	3	10	15	14	Southport.		
—	—	138	-16	33	-4	7.9	—	6.4	3.78	+0.99	1.17	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Manchester (City).		
45°8	45°0	136	-27	32	-7	7.1	5.9	6.4	2.20	+0.48	0.20	15, 23, 28	21	0	4	2	0	8	0	8	0	58	3	6	7	8	6	9	12	21	18	" (Whit. Pk.).		
43°1	44°3	80	—	19	—	5.2	—	4.4	2.31	+0.40	0.39	28th	21	0	2	1	3	1	0	2	0	4	0	5	8	6	6	9	10	11	5	Darwen.		
—	—	77	—	19	—	7.9	7.5	5.9	2.51	—	0.44	28th	19	0	0	1	1	12	2	12	0	9	7	11	6	3	15	10	21	8	Aspatia.			
44°9	43°2	96	—	23	—	8.6	—	8.3	4.51	—	0.68	20th	22	4	5	2	0	17	0	11	0	30	0	3	6	3	4	11	7	15	11	Newton Rigg.		
45°2	44°3	132	—	32	—	7.4	—	6.1	2.13	+0.10	0.34	12th	22	0	0	0	3	11	0	12	0	12	3	5	9	1	1	2	11	21	7	Stonyhurst.		
44°2	42°9	135	-15	32	-4	7.2	—	4.7	2.29	+0.23	0.46	13th	19	2	2	1	3	7	0	17	0	20	3	6	1	4	4	7	18	16	1	Blackpool.		
—	—	112	-38	27	-9	8.4	—	6.7	4.40	+1.92	0.76	24th	22	4	7	3	1	14	1	10	0	12	19	3	9	0	0	6	8	12	3	Manch'st r (Prest).		
44°9	44°7	141	-13	34	-3	8.2	—	7.8	1.71	-0.09	0.27	27th	19	0	1	2	1	16	0	7	0	34	0	2	8	7	4	6	9	12	12	Liver'ol, Bid. Obs.		
—	—	77	-49	19	-11	8.7	—	6.0	2.69	+0.63	0.37	28th	20	0	2	1	1	14	0	8	0	17	8	5	9	4	0	11	6	16	1	Llandudno.		
—	—	132	—	37	—	6.6	—	7.2	2.34	+0.77	0.29	28th	21	0	5	2	1	13	0	—	0	20	1	4	5	5	7	3	11	20	4	Holyhead.		
—	—	143	-13	34	-4	6.5	—	6.8	3.41	+1.63	0.60	13th	21	0	4	0	4	13	0	—	0	2	0	5	3	5	3	14	9	12	5	Betws-y-Coed.		
—	—	—	—	—	—	7.5	7.0	7.8	3.60	+1.64	0.84	13th	17	0	2	0	0	12	5	—	1	48	3	4	13	5	1	2	23	21	18	Llaneugrad.		
43°8	44°3	104	—	25	—	6.8	—	6.5	3.66	—	0.55	15th	22	0	1	0	1	7	0	4	3	13	0	1	7	6	4	1	16	11	14	Llangamm. Wells.		
45°8	44°7	156	—	38	—	7.0	—	6.8	3.83	—	0.67	12th	21	0	2	1	2	11	0	7	3	38	2	7	3	8	0	5	15	11	9	Pembroke.		
44°7	44°2	131	-14	31	-4	7.4	6.8	6.5	2.83	+0.74	0.84	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Clifton.		

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, APRIL, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature.		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts.	Total Fall.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	
			A	B			Max.	Day.	Min.	Day.						Ins.	Ins.						
			Max.	Min.																			Amt.
			°	°	°	°	°	°	°	°	°				Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%	
O. SCOTLAND, N.	p Balta Sound - - - S	31	45.6	35.7	40.7	-	50	7th, 8th	29	22nd	41.9	-	-	5.67	-	1.15	13th	26	133	-	31	-	
	p Crathes - - - S	140	49.8	34.2	42.0	-	62	10th	28	8th, 16th	42.2	41.8	15	3.62	-	1.07	16th	14	139	-	33	-	
	p Stonehaven - - -	186	46.3	35.9	41.1	-	59	11th	29	23rd	-	-	-	3.12	-	0.94	12th	15	141	-	33	-	
1. SCOTLAND, E.	p Balruddery - - - S	276	50.4	33.6	42.0	-	60	30th	28	2nd	-	-	-	2.55	-	0.58	16th	15	138	-	33	-	
	Edinburgh - - -	258	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128	+ 6	30	+	
	a West Linton - - - S	800	46.8	32.6	39.7	- 2.9	56	30th	23	2nd	-	-	16	3.58	-	0.73	12th	20	108	-	26	-	
2. ENGLAND, N.E.	a Alnwick Castle - - -	210	50.3	36.4	43.4	0.0	59	13th	24	2nd	-	-	-	1.93	- 0.15	0.30	15th	17	-	-	-	-	
	p Newcastle-on-Tyne - -	152	50.9	38.2	44.6	-	57	13, 14, 21	29	2nd, 3rd	-	-	-	2.07	+ 0.34	0.42	5th, 16th	18	82	- 26	20	- 0	
	p Ampleforth - - -	349	50.7	35.3	43.0	-	59	18th, 21st	28	1st	-	-	-	2.42	-	0.60	14th	16	-	-	-	-	
3. ENGLAND, E.	p Tealby - - -	251	51.2	36.7	44.0	- 1.5	58	21st	27	3rd	-	-	-	2.18	+ 0.36	0.32	16th, 19th	16	-	-	-	-	
	a Fulbeck - - -	180	52.9	37.2	45.1	- 0.8	60	18th	28	2nd, 3rd	-	-	11	1.63	- 0.01	0.31	28th	18	-	-	-	-	
	a Rauceby - - -	124	53.5	36.6	45.1	-	61	18th	28	3rd	46.3	44.8	16	1.49	- 0.41	0.29	16th, 28th	18	122	-	29	-	
4. MIDLAND COUNTIES	a Felixstowe - - -	10	51.6	40.0	45.8	- 0.5	64	21st	31	3rd	-	-	-	1.84	-	0.55	4th	17	164	-	40	-	
	a Rothamsted - - -	424	53.3	38.4	45.9	+ 0.1	63	21st	28	3rd	-	-	-	1.45	- 0.39	0.36	28th	19	117	- 33	28	- 8	
	a Shoburness - - -	13	53.4	40.3	46.9	- 0.4	64	21st	29	3rd	-	-	-	1.04	- 0.22	0.28	16th	14	-	-	-	-	
5. ENGLAND, S.E.	a Southend-on-Sea - -	100	53.4	39.4	46.4	-	65	21st	29	3rd	47.5	-	11	0.87	- 0.58	0.22	28th	17	132	-	32	-	
	a Harrogate - - -	476	50.8	35.6	43.2	- 1.0	59	18th	25	1st	43.2	43.7	14	2.72	+ 0.64	0.46	14th	18	130	-	31	-	
	a Bradford - - -	439	49.5	36.5	43.0	-	59	18th	25	1st	42.9	42.8	10	2.49	-	0.41	15th	20	118	-	28	-	
6. SCOTLAND, W.	a Cheadle - - -	646	50.1	36.2	43.2	- 1.6	57	15th	28	1st	-	-	14	2.29	+ 0.24	0.47	28th	19	-	-	-	-	
	a Bawtry - - -	65	53.9	35.3	44.6	- 1.6	60	14, 18, 20	25	1st, 3rd	-	-	-	2.04	+ 0.44	0.75	16th	14	-	-	-	-	
	a Workop - - -	56	53.8	35.9	44.9	- 1.1	60	21st	24	2nd	45.2	44.7	16	1.49	- 0.21	0.31	16th	15	97	- 35	23	- 9	
7. ENGLAND, N.W.	a Mayfield (Staffs.) - -	374	51.1	34.9	43.0	-	59	18th	24	1st	-	-	13	2.40	-	0.46	28th	18	-	-	-	-	
	a Belper - - -	222	52.5	37.2	44.9	-	60	21st	25	3rd	-	-	6	2.32	-	0.37	16th	17	-	-	-	-	
	a Kingston-on-Soar - -	125	53.1	36.0	44.6	-	60	20th	25	3rd	44.9	-	-	2.14	-	0.40	28th	19	-	-	-	-	
8. ENGLAND, S.W.	p Rugby - - -	379	52.9	36.6	44.8	- 1.3	62	21st	24	3rd	-	-	10	1.56	-	0.30	28th	16	-	-	-	-	
	a Raunds - - -	210	54.5	36.7	45.6	- 1.2	63	21st	24	3rd	45.5	-	11	1.91	-	0.61	16th	18	-	-	-	-	
	a Winslow - - -	379	52.8	38.1	45.5	-	62	21st	26	3rd	-	-	8	1.98	-	0.49	4th	19	-	-	-	-	
9. ENGLAND, S.W.	a Hereford - - -	291	53.3	38.4	45.9	- 0.8	62	21st	26	3rd	-	-	14	2.25	+ 0.50	0.43	21st	17	-	-	-	-	
	a Cirencester - - -	446	54.2	36.8	45.5	0.0	62	21st	23	3rd	45.1	44.7	10	2.50	+ 0.33	0.55	28th	19	122	- 35	30	- 8	
	a Epsom - - -	160	54.5	38.5	46.5	-	65	21st	23	3rd	-	-	12	1.72	-	0.28	16th	20	-	-	-	-	
10. ENGLAND, S.W.	a Wokingham - - -	216	53.9	36.1	45.0	-	64	21st	21	3rd	-	-	-	2.04	-	0.31	16th	17	-	-	-	-	
	a Maidenhead - - -	99	55.9	38.0	47.0	-	66	21st	23	3rd	-	-	15	2.16	+ 0.52	0.44	16th	17	-	-	-	-	
	a Marlborough - - -	424	52.0	37.2	44.6	- 1.3	60	21st	24	3rd	-	-	14	3.19	+ 1.06	0.79	16th	20	115	- 27	28	- 6	
11. ENGLAND, S.W.	a Bucklebury - - -	409	52.7	37.7	45.2	-	61	21st	28	1st, 3rd	-	-	14	2.06	-	0.36	16th	14	-	-	-	-	
	a Swarraton - - -	310	52.4	37.9	45.2	- 0.5	60	21st	22	3rd	-	-	-	2.26	+ 0.33	0.85	6th	14	-	-	-	-	
	a Margate - - -	35	52.7	41.0	46.9	0.0	62	13th	36	3rd, 5th, 27th	46.5	45.8	10	2.49	+ 1.03	0.74	13th	15	148	- 8	36	- 2	
12. ENGLAND, S.W.	Broadstairs - - -	140	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	13th	16	162	-	39	-	
	Ramsgate - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	159	-	39	-	
	a Wisley - - -	150	53.8	39.1	46.5	- 1.0	64	21st	25	3rd	45.8	45.8	11	1.28	-	0.18	28th	16	127	-	31	-	
13. ENGLAND, S.W.	a Basingstoke - - -	289	52.4	38.6	45.5	-	62	21st	24	3rd	-	-	7	2.40	-	0.49	16th	15	-	-	-	-	
	a Dover - - -	231	51.8	40.1	46.0	-	64	21st	32	23rd	46.2	45.8	3	2.01	-	0.45	13th	17	161	-	39	-	
	a Tunbridge Wells - -	421	52.8	38.1	45.5	- 0.9	62	13th	28	3rd	46.6	-	12	2.30	+ 0.45	0.43	23th	20	141	- 21	34	- 5	
14. ENGLAND, S.W.	a Matfield - - -	320	52.7	38.5	45.6	-	64	21st	30	3rd	-	-	15	2.66	-	0.81	16th	21	-	-	-	-	
	p Folkestone - - -	121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Littlestone - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152	-	37	-	
15. ENGLAND, S.W.	a Bexhill - - -	27	52.0	41.3	46.7	-	61	21st	32	3rd	48.6	-	3	1.81	-	0.30	12th	19	157	-	38	-	
	Hove - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	-	37	-	
	a Worthing - - -	36	52.2	40.8	46.5	- 0.6	59	21st	30	3rd	47.4	46.3	5	1.95	+ 0.35	0.67	6th	15	162	-	39	-	
16. ENGLAND, S.W.	a Bognor - - -	20	51.9	41.6	46.8	-	62	21st	31	3rd	-	46.7	10	1.80	-	0.56	6th	17	166	-	40	-	
	Westbourne - - -	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152	-	37	-	
	a Totland Bay - - -	140	52.3	41.1	46.7	- 0.2	59	28th	30	3rd	-	-	8	1.85	+ 0.10	0.29	6th	17	140	-	34	-	
17. ENGLAND, S.W.	a Sandown - - -	20	53.7	41.6	47.7	-	61	21st	34	3rd	-	-	-	1.69	-	0.26	6th	18	158	-	38	-	
	p Bournemouth - - -	145	53.6	40.4	47.0	-	64	21st	29	3rd	46.6	46.4	-	2.07	-	0.41	12th	17	153	-	37	-	
	a Llandale - - -	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
18. ENGLAND, S.W.	p Oban - - -	20	48.9	35.6	42.3	-	57	6th	29	23rd	-	-	7	5.15	-	0.86	12th	17	127	-	30	-	
	a Thorntonhall (Lanarkshire) -	440	47.9	35.2	41.6	-	56	30th	29	8th, 15th	-	-	14	4.71	-	0.85	13th	20	117	-	28	-	
	a Kilmarnock - - -	90	49.5	36.4	43.0	- 2.2	56	18th	29	8th, 9th	-	-	-	3.00	-	0.49	13th	22	129	-	31	-	
19. ENGLAND, S.W.	p Ruthwell - - -	67	50.3	35.5	42.9	-	57	30th	25	1st	-	-	-	3.10	-	0.93	12th	18	140	-	33	-	
	a Carnforth - - -	174	50.4	37.6	44.0	-	57	13th	27	1st	-	-	10	2.20	-	0.38	27th	23	131	-	29	-	
	a Lancaster - - -	311	50.1	38.2	44.2	-	57	6th	30	1st	45.4	46.7	11	2.35	-	0.44	28th	24	105	-	25	-	
20. ENGLAND, S.W.	a Burnley - - -	459	49.6	35.7	42.7	-	58	18th	22	1st	42.7	42.2	11	3.95	-	0.54	20th	19	99	-	24	-	
	a Hoylake - - -	130	51.2	40.7	46.0	-	60	18th	28	1st, 2nd	-	-	5	2.43	-	0.39	15th	19	145	-	35	-	
	a Rhyl - - -	30	50.9	39.0	45.0	-	58	20th	26	1st	-	-	5	3.09	+ 1.70	0.47	28th	19	144	-	35	-	
21. ENGLAND, S.W.	a Colwyn Bay - - -	82	51.8	40.5	46.2	-	64	18th	30	1st, 2nd	-	-	-	3.15	-	0.50	28th	16	142	-	34	-	
	a Hawarden Bridge - -	22	52.1	39.4	45.8	- 1.1	62	18th	25	1st	-	-	-	2.04	+ 0.85	0.42	15th, 28th	22	-	-	-	-	
	a St. Asaph (St. Beuno's Coll.)	479	50.9	38.6	44.8	-	58	18th	28	1st	-	-	7	3.14	-	0.52	15th	22	-	-	-	-	
22. ENGLAND, S.W.	a Towyn - - -	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	p Aberdovey - - -	22	51.0	41.6	46.3	-	57	15th	33	1st	-	-	-	3.64	-	0.53	21st	22	132	-	32	-	
	p Aberystwyth - - -	59	49.7	42.7	46.2	-	56	13th	33	3rd	-	-	-	-	-	-	-	-	130	-	31	-	
23. ENGLAND, S.W.	Haverfordwest - - -	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	145	-	35	-	
	Tenby - - -	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	153	- 30	37	- 8	

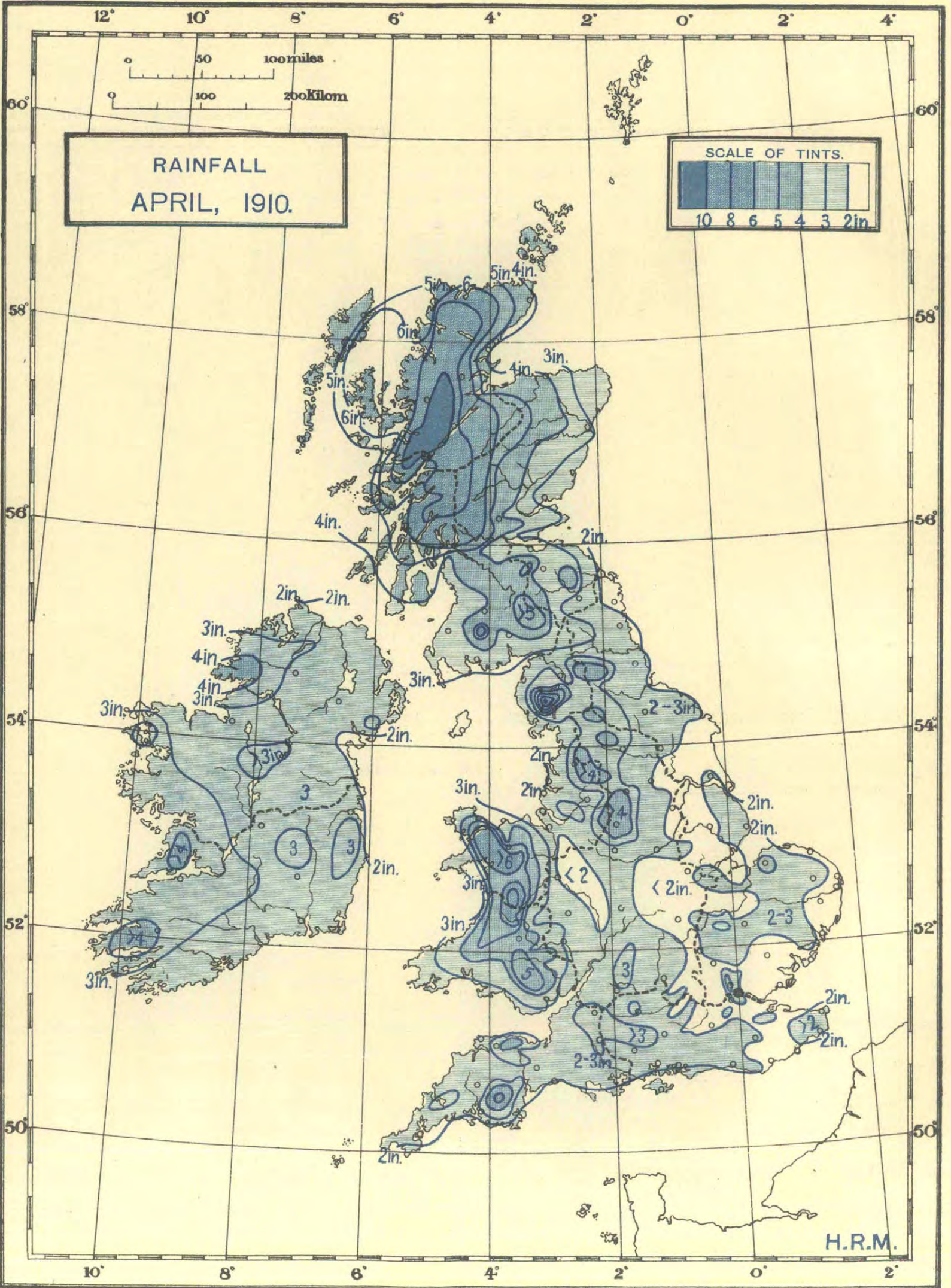


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, APRIL, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth T ^m perature		Gr ^d Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.						
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig ^t s	Total Fall.	Diff. from Normal.	Most in a day.		Num- ber of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	
			A	B			Max.	Day.	Min.	Day.							Amt.	Dat ^y .						
			Max.	Min.																				
8. ENGLAND, S.W.- (continued)	Port Talbot - - -	179	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	125	—	30	—		
	Forest of Dean - -	200	—	—	—	—	—	—	—	—	—	—	—	2'61	—	0'59	12th	16	—	—	—	—		
	" - - -	900	—	—	—	—	—	—	—	—	—	—	—	3'01	—	0'62	12th	16	—	—	—	—		
	a Cardiff - - -	50	51'3	39'0	45'2	- 2'6	57	11th	29	1st	46'1	45'6	7	3'09	+0'63	0'76	6th	21	141	—	34	—		
	a Swansea - - -	24	52'2	40'6	46'4	—	59	21st	31	1st	—	—	10	2'98	—	0'39	6th	20	134	—	33	—		
	a Shaftesbury - -	722	50'6	38'2	44'4	- 1'1	58	22nd	29	1st	46'3	—	—	22'3	-0'21	0'54	5th	17	—	—	—	—		
	a Arlington - - -	613	49'8	37'6	43'7	- 1'6	57	11th	30	1st, 3rd	—	—	—	3'09	+0'10	0'45	12th	21	—	—	—	—		
	a Cullompton - -	202	53'4	38'8	46'1	- 1'8	61	10th	29	3rd	—	—	10	2'93	+0'47	0'40	12th	21	137	- 16	33	- 4		
	Torquay - - -	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	165	- 10	40	- 3		
	a Weymouth - - -	21	53'6	41'3	47'5	—	59	22nd	31	1st	—	—	—	1'22	—	0'23	12th	15	157	—	38	—		
	p Paignton - - -	11	53'1	40'9	47'0	—	63	21st	33	1st, 2nd	—	—	—	1'92	—	0'47	12th	17	167	—	41	—		
	a Sheepstor - - -	749	49'8	35'8	42'8	—	57	21st	28	1st	—	—	—	5'40	—	1'47	12th	22	—	—	—	—		
	a Newquay - - -	100	50'4	42'1	46'3	- 1'7	55	11th, 28th	32	2nd	47'8	—	—	2'21	+0'11	0'57	12th	19	168	- 2	41	0		
	Salcombe - - -	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	170	—	41	—		
9. IRELAND, N.	a Fowey - - -	—	53'9	40'9	47'4	—	66	21st	31	1st	—	—	—	1'69	—	0'54	12th	16	—	—	—	—		
	a Penzance - - -	54	53'0	42'7	47'9	—	59	20th	32	2nd	—	—	—	2'98	—	0'83	3rd	17	175	—	43	—		
	p Dunfanaghy - -	54	49'5	38'5	44'0	—	56	10th	33	13th	—	—	—	2'65	—	0'51	27th	22	—	—	—	—		
	p Dublin (Glasnevin) -	67	52'0	37'0	44'5	- 1'5	64	18th	24	1st	—	—	17	2'37	+0'43	0'50	19th	22	—	—	—	—		
	a Kingstown - - -	42	51'7	39'7	45'7	—	64	18th	31	1st	—	—	—	1'82	—	0'48	19th	17	147	—	35	—		
10. IRELAND, S.	p Clongowes Wood College	245	51'6	34'5	43'1	—	63	18th	24	1st, 2nd	—	—	17	2'30	—	0'49	19th	20	140	—	34	—		
	a Mountmellick - -	253	52'3	35'4	43'9	—	62	20th, 21st	28	2nd, 9th	—	—	—	—	—	—	—	—	—	—	—	—		
	p Newcastle (Co. Wicklow)	256	51'1	37'7	44'4	—	63	18th	31	1st	—	—	—	1'83	—	0'36	12th	21	—	—	—	—		
	a Kilkenny - - -	212	52'5	37'5	45'0	- 2'1	63	18th	25	1st	—	—	—	2'21	+0'01	0'44	21st	23	—	—	—	—		
	a Cahir - - -	199	52'3	38'8	45'6	- 1'7	62	20th	27	1st	—	—	—	2'56	—	0'55	12th	22	—	—	—	—		
11. ENGLISH CHANNEL	a Foynes - - -	108	51'2	39'4	45'3	- 2'0	60	10th, 18th	31	9th, 17th	—	—	—	3'88	+1'44	0'57	18th	27	—	—	—	—		
	a Ballinacurra - -	34	53'2	39'2	46'2	—	63	21st	27	1st	—	—	—	2'01	—	0'54	14th	15	134	—	33	—		
	a Guernsey (Villa Carey) -	180	53'5	42'6	48'1	- 0'6	59	28th	35	3rd	—	—	—	1'11	-1'34	0'18	12th	14	189	- 4	46	- 1		

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 32° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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—From Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

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 A and B. 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 A. 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 ‡ 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.

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. PONSONEY, 116, GRAFTON STREET, DUBLIN.

THIRTY-FIFTH YEAR.
Vol. XXVII. (New Series)
Weekly Weather Report. } No. V.

MAY, 1910.

[Price 6d.]

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The area of high atmospheric pressure which on the last day of April was expanding north-eastward over Western Europe from the Atlantic continued its advance only into the opening day of May, when the barometer stood above 30·5 ins. over the greater part of Ireland, rising to 30·56 ins. at Valencia, the highest reading registered in the United Kingdom during the month. Diminishing slightly in intensity the system then withdrew to the westward, and for some days its central space was found over the region between the Azores and Newfoundland. This transfer of the anticyclone from our neighbourhood was coincident with the advance of a low pressure area from the Arctic Sea, northward of Iceland, down to North-Western Europe. As this system approached the north of Scotland it became considerably deeper, the barometer sinking to 28·85 ins. as the centre passed across the Færøe on the morning of the 6th, and to 28·81 ins. at Sumburgh Head in the following night, the lowest record in this country during the month. Readings below 29 ins. were registered at all the more northern stations in Scotland. Immediately after the lowest pressure was attained a very slow rise of the barometer set in, and the filling up process was completed on the 10th, when the centre was over southern Norway. The observations taken on the morning of the 11th showed that a sudden and very great change in the distribution of pressure had been developed. Over an extensive region there had been a rapid rise of the barometer, about an inch in many localities, and it now stood at a moderately high level in a system which extended from the vicinity of the Tropic of Cancer north-eastward across the Azores, the British Isles, Scandinavia and Northern Russia to the Ural range and Siberia. It was flanked by well-marked disturbances centered respectively over northern Italy and to the westward of Iceland. No sooner had the high pressure area been formed than another swift alteration in the conditions began to declare itself. On the morning of the 12th the anticyclone was already being broken up, one portion taking up the usual position on the Atlantic, the other settling down over Northern Europe and spreading across to Iceland and Greenland. This separation was marked by the advance of the Italian depression on a north-westerly path across the Continent, and already on the morning of the 12th its minimum of pressure had reached the north-east of France, where the barometer had dropped below 29·5 ins. The disturbance subsequently followed a somewhat unusual and erratic course. It moved westward along the English Channel, with the barometer descending to 29·4 ins., and after passing beyond Scilly it bore away southward to the Portuguese coast, then for a week it wandered about irregularly in the Bay of Biscay region, and after the 21st it dispersed or became merged in a depression over the Western Mediterranean. With its disappearance from our vicinity there was a general rise of the barometer, and the Atlantic anticyclone, moving to the eastward of the Azores, spread quickly northward up the western coasts, and for nearly a week an anticyclonic type of conditions prevailed over these islands, pressure being only a little below 30·5 ins. over the northern districts on the 24th. After the 27th the high pressure again withdrew south-westward to the Atlantic, and a well developed disturbance from Iceland moved on a south-easterly course, its centre arriving over Shetland on the 31st, the barometer sinking to 28·95 ins. at Sumburgh Head.

The main features of the pressure distribution described in the foregoing are reflected in the mean results for the month, which show an area of high barometer on the ocean beyond our south-western coasts, with pressure as high as 30·31 ins. at Horta, Azores, and another over Northern Europe, barometer above 30 ins. at Bodø. These two systems were connected by a belt of relatively high pressure, above 29·9 ins., stretching north-eastward across the middle regions of the British Isles and the North Sea. From the south-east of England to Central Europe and Italy the values show a depression, with the barometer below 29·9 ins., and in the north another depression between Scotland and Iceland, barometer 29·81 ins. in the Færøe. There was thus a marked variation from the normal conditions, the low to the south-eastward replacing the usual high. The extreme values in these islands were 29·99 ins. at Valencia, against 29·87 ins. at Jersey and on the Straits of Dover, and 29·85 ins. at Sumburgh Head. Everywhere the mean results were below the average, by 0·01 in. at Valencia, 0·09 in. at Wick and Sumburgh Head, 0·13 in. at Dungeness, and 0·14 in. at Jersey. As no deep disturbance visited the southern districts the range of pressure there was comparatively small, only 0·8 in. on the coast of Kent, but in the north and west it exceeded an inch at all stations, and in Shetland it was as much as 1·6 in. With the more complex distribution of pressure the winds were very variable in direction, but with Westerly to Northerly and Easterly largely predominating, and in the western and northern districts calms were rather frequently recorded.

Taken as a whole the month was not a very windy one, the observations at the telegraphic reporting stations showing that during more than half the period the force of a strong breeze was not exceeded. The most disturbed days were the 3rd to the 8th, when a high wind from between

South-West and North-West was felt daily in many localities. On the 4th Malin Head had a strong gale; on the 6th Donaghadee, Holyhead, Shields and Spurn Head a gale; on the 7th Malin Head and Spurn Head a gale, Nottingham a strong gale; and on the 8th Roche's Point and Nottingham a gale. From the 11th to the 14th there was a rather strong Easterly current over southern England, but only Portland Bill and Scilly attained gale force on the 12th. At the close of the month Castlebay and Shields had a Westerly gale on the 30th, and Portland Bill a Southerly gale on the 31st. The self-registering anemometers disclosed no very high velocities, the greatest movements in gusts being at the rate of 60 miles an hour at Roche's Point on the 6th, and at Pendennis on the 12th, and 62 miles an hour at Roche's Point on the 8th.

Broadly, the weather experienced during the month may be divided into two main types. Through the first three weeks it was of a cold inclement character, rain was practically of every-day occurrence, frequently accompanied by hail, and on some days sleet or snow was experienced in many places. At Epsom, on the 8th, hail fell to the depth of an inch, and in places to the depth of 4 ins. Between the 15th and 17th temperature attained a high level in some of the western and northern districts, 77° at Oban, and 78° at Killarney, but as a rule low temperatures were commonly recorded, night values below 30° being registered at a considerable number of stations on the mornings of the 3rd, and 9th to 11th. On the 9th the minimum was 22° at West Linton, 24° at Eskdalemuir, and 25° at Balmoral, and on the 10th and 11th Wokingham touched 25°. Many of the afternoon maxima were also very low, in numerous instances below 50° in some cases at southern stations. The 6th was the coldest day, with a maximum of 42° at Aspatia and West Linton, 41° at Glencarron, and 40° at Eskdalemuir.

With the anticyclonic type which followed the conditions improved greatly, most days were rainless or produced only slight showers, and there was a general increase of temperature, but only a few days of marked warmth were experienced. Day maxima above 75° occurred on the 20th, and 22nd to 24th, the only record above 80° being at Hillington, 83° on the 20th. The nights also at this time were warm, many of the minimum temperatures being as high as 56° to 58°. On the 30th there were low maxima in the north, 50° at Fort Augustus and Poltalloch, 47° at Glencarron.

Thunderstorms formed a very striking feature of the month. With the exception of the 1st, 2nd and 25th there was not a day without its record of storms. Extensive areas were affected on the 7th, 8th, 12th to 22nd, 28th and 31st. In many instances they were described as severe or violent, but their singularity was in the almost entire absence of heavy downpours of rain, few falls of more than $\frac{1}{2}$ in. being recorded, in some cases they were noted as dry thunderstorms, and many produced only slight showers. At Hillington the rainfall on the 8th was 1·2 in., and the Whitby observer notes that while the storm of the 20th was unimportant at his station it was of unexampled violence along the Esk Valley, 1·1 in. of rain falling at Goathland in one hour, and a terrific rainfall at Sandsend swept away a substantial stone bridge, and carried to the seashore trees, cattle, sheep, haystacks and buildings of all kinds. At Abergavenny, during a terrific storm on the 16th, 0·7 in. of rain fell in 14 minutes, and at Southend-on-Sea, on the 28th, 0·7 in. in 30 minutes.

Fog was very prevalent on our western and eastern coasts from the 10th onward, and in the east in particular it was frequently dense, especially between the 14th and 22nd. Along the English Channel it was reported mainly from the 15th to the 21st, and the 28th to the 31st.

The temperature of the sea water round our coasts was everywhere warmer than in April, by as much as 5° or 6° in many neighbourhoods. Up the west of Ireland the water was slightly warmer than the air on shore, but elsewhere it was colder, by 4° or 5° off the east of Ireland and the north-east of England.

Rainfall.—Over the east and west of Scotland and the English Midlands there was a deficiency in the amount of precipitation, but generally there was an excess, as a rule slight to moderate. Glencarron, Hillington, Geldeston and Southend-on-Sea returned an excess of more than 2 ins. Notwithstanding the numerous and severe thunderstorms totals for the month of 5 ins. and upwards were limited to a few of the normally wettest mountain stations, 7·5 ins. at Seathwaite, and 13·2 ins. at Glenquoich. Several localities received less than 1½ in., Bath 1·1 in., and Balruddery 0·9 in. At Dundee rain was measured on 11 days, and at Falmouth on 12, against 23 at Kingston-on-Soar, and 26 at Foynes.

Bright Sunshine.—Taken all round the duration of bright sunshine did not differ greatly from the normal, but Jersey lost 50 hours, and Guernsey 44 hours, while Westminster gained 37 hours, Blackpool 38 hours, and Stornoway 55 hours. The totals ranged from 117 hours (24 per cent. of the possible) at Newcastle-on-Tyne, and 131 hours (26 per cent.) at Fort Augustus to 257 hours (53 per cent.) at Yarmouth, and 258 hours (51 per cent.) at Castlebay, so that the Hebrides had the best record.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY -	48	29.789	-0.073	-0.002	55.3	45.5	50.4	+1.5	70	15th	35	8th	49.5	53.1	50.2	2.3	3.6	2.4	2.97	3.10	3.02	84	76	84
	Deerness -	163	29.656	-	-0.006	50.3	42.7	46.5	+0.1	58	22nd	34	6th	47.3	-	45.0	2.0	-	1.4	2.81	-	2.68	86	-	89
	SUMBURGH HEAD	126	29.681	-0.085	-0.002	50.9	?	?	?	62	22nd	?	?	46.3	48.5	45.1	1.9	2.5	1.5	2.70	2.80	2.65	87	82	88
	STORNOWAY	52	29.784	-0.071	-0.002	55.5	43.0	49.3	+2.0	68	25th	32	10th	47.9	53.9	46.8	1.7	3.9	1.7	2.91	3.11	2.79	88	75	88
Mainland.	Wick -	80	29.746	-0.085	+0.003	53.1	41.5	47.3	0.0	65	1st	31	9th	46.3	-	47.5	2.2	-	2.5	2.63	-	2.69	85	-	82
	Strathpeffer -	210	29.624	-	-0.006	56.4	42.5	49.5	+1.3	69	25th	33	6th, 9th	50.2	-	47.2	3.1	-	2.3	2.86	-	2.71	80	-	84
	Glencarron -	504	29.301	-	-0.006	55.1	41.3	48.2	+0.2	72	20th	32	6, 7, 10	49.2	-	47.4	2.8	-	2.7	2.83	-	2.64	81	-	82
	Fort Augustus -	73	29.786	-	-0.006	55.7	42.2	49.0	-0.4	73	25th	32	6, 9, 10, 11	48.2	-	47.9	1.9	-	1.9	2.90	-	2.86	87	-	87
	Fort William -	38	29.825	-	-0.006	58.5	43.2	50.9	+0.9	73	20th	32	10th	50.7	-	49.0	3.3	-	2.6	2.88	-	2.85	78	-	82
	Dunrobin Castle -	16	29.823	-	-0.005	54.4	42.2	48.3	+0.1	63	27th	32	10th	49.3	-	47.0	2.8	-	2.0	2.88	-	2.79	81	-	86
District Value -						55.7	42.3	48.6	+0.8	73		31													
1. SCOTLAND, E.																									
Northern Part.	Tillypronie -	1120	28.648	-	-0.006	55.4	39.2	47.3	+2.0	68	22nd	29	6th	48.3	-	44.8	2.7	-	2.1	2.81	-	2.58	82	-	85
	Dundee -	164	29.694	-	-0.006	56.9	42.3	49.6	+0.2	68	27th	32	9th, 10th	50.9	-	46.8	2.5	-	1.8	3.17	-	2.83	84	-	87
	Nairn -	82	29.748	-0.079	+0.003	56.3	41.4	48.9	-0.1	74	20th	31	9th, 10th	46.3	52.7	50.5	2.1	4.0	3.4	2.65	2.96	2.83	85	74	78
	Gordon Castle -	107	29.737	-	-0.006	57.3	40.8	49.1	0.0	71	25th	32	9th	51.4	-	47.1	3.5	-	2.2	2.93	-	2.72	77	-	84
	Aberdeen -	90	29.770	-0.089	-0.006	54.0	42.9	48.5	+0.2	68	26th	34	9th	49.9	51.1	47.4	3.5	3.9	2.7	2.75	2.80	2.64	77	74	82
	Balmoral -	927	28.840	-	-	58.1	39.2	48.7	+2.6	71	25th	25	9th	47.7	-	-	2.8	-	-	2.66	-	-	81	-	-
	Crieff -	436	29.388	-	-0.006	59.2	41.6	50.4	+0.3	73	15th, 25th	30	6th, 9th	51.3	-	47.1	3.8	-	2.4	2.85	-	2.67	75	-	83
	Leith -	37	29.815	-0.079	+0.003	54.5	42.7	48.6	-1.5	68	27th	32	9th	47.1	-	51.0	1.7	-	2.9	2.83	-	3.01	88	-	81
	Marchmont -	500	29.336	-	-0.006	55.4	39.9	47.7	-0.2	69	26th	31	9th	49.6	-	45.2	3.3	-	2.1	2.76	-	2.53	78	-	85
	District Value -						56.2	40.8	48.1	-0.3	74		22												
2. ENGLAND, N.E.																									
Northern Part.	Seaham -	188	29.726	-	-0.007	53.5	42.9	48.2	-0.8	72	26th	35	8th	49.7	-	45.8	2.1	-	1.0	3.07	-	2.88	86	-	93
	Whitby -	146	29.710	-	-0.007	57.8	43.1	50.5	+1.6	76	26th	34	8th, 11th	52.2	-	48.4	3.7	-	2.1	3.03	-	2.92	78	-	86
	Cockle P'rk (Morpeth) -	331	29.523	-	-0.007	54.9	40.5	47.7	-	71	26th	32	8th	50.3	-	44.6	2.4	-	1.0	3.09	-	2.78	84	-	93
	Shields -	117	29.746	-0.071	+0.003	54.2	40.9	47.6	-1.0	71	26th	34	8th	46.2	-	50.3	1.3	-	2.5	2.83	-	3.01	91	-	83
	Durham -	352	29.490	-	-0.007	55.9	41.3	48.6	-0.2	70	26th	31	11th	50.4	-	46.0	2.2	-	1.3	3.16	-	2.86	86	-	90
	Rounton -	245	29.598	-	-0.007	56.6	41.2	48.9	+0.7	71	26th	32	3rd, 10th	49.8	-	45.9	2.5	-	1.2	2.95	-	2.81	82	-	91
Southern Part.	Scarborough -	127	29.732	-	-0.007	57.0	43.6	50.3	+1.0	72	26th	36	7th, 8th	51.7	-	49.2	2.7	-	2.4	3.14	-	2.92	82	-	84
	York -	53	29.831	-	-0.007	60.8	44.2	52.5	+1.5	75	23rd	34	3rd	52.5	-	49.6	2.9	-	2.1	3.19	-	3.03	81	-	86
	Spurn Head -	28	29.835	-0.088	+0.003	54.5	44.8	49.7	-0.1	63	29th	38	7th	48.4	52.4	50.5	1.8	3.4	2.8	2.95	3.06	2.97	87	78	81
	Lincoln -	42	-	-	-	60.7	43.8	52.3	+0.1	80	20th	33	10th	52.7	-	-	4.0	-	-	3.06	-	-	76	-	-
Southern Part.	Skegness -	16	29.857	-0.083	+0.003	55.2	43.9	49.6	-	66	28th	33	10th	48.5	-	51.9	1.5	-	3.1	3.03	-	3.08	89	-	80
	Hull -	2	-	-	-0.007	58.8	43.5	51.2	+1.0	73	26th	33	3rd	52.3	-	48.7	2.3	-	1.8	3.31	-	3.01	84	-	87
District Value -						57.4	42.8	49.7	+0.4	80		30													
3. ENGLAND, E.																									
Northern Part.	Lowestoft -	75	29.796	-	-0.007	55.1	45.4	50.3	+0.2	70	28th	35	5th	51.8	-	49.1	3.2	-	1.8	3.03	-	3.03	79	-	87
	Cromer -	139	29.712	-	-0.007	56.5	44.3	50.4	-	67	20th	34	5th	50.9	-	49.0	2.5	-	1.8	3.10	-	3.03	84	-	87
	Hillington -	92	29.774	-	-0.007	60.8	43.6	52.2	+1.1	83	20th	29	10th	52.5	-	49.3	3.0	-	1.9	3.16	-	3.03	80	-	86
	Norwich -	98	-	-	-	61.0	44.9	53.0	-	80	20th	31	10th	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH -	27	29.836	-0.101	-0.003	55.5	45.5	50.5	+0.5	68	28th	36	5th, 8th	49.5	53.0	49.5	2.1	3.2	2.0	3.02	3.17	3.04	86	79	87
	Gedeston -	47	29.827	-	-0.007	59.7	45.2	52.5	+1.6	75	20th	33	10th	52.9	-	49.2	3.5	-	1.7	3.10	-	3.08	77	-	89
Southern Part.	Cambridge -	43	29.829	-	-0.007	62.3	44.3	53.3	+1.1	78	20th	28	10th	53.4	-	50.4	3.7	-	2.2	3.23	-	3.20	78	-	85
	CLACTON -	62	29.809	-0.118	-0.003	58.4	46.5	52.5	+0.2	72	21st	35	10th	50.6	55.5	50.7	2.3	4.0	2.2	3.11	3.33	3.15	84	75	86
	Woburn -	294	29.592	-	-0.007	60.6	42.9	51.8	-	74	23rd	28	10th	52.0	-	50.2	2.9	-	2.3	3.23	-	3.16	82	-	85
	Bennington -	411	29.483	-	-0.007	60.8	43.9	52.4	+1.2	74	20th	30	9th	52.2	-	49.7	3.3	-	2.8	3.05	-	2.87	78	-	80
	Berkhamsted -	397	29.473	-	-0.007	61.7	43.4	52.6	+1.5	75	16, 22, 23	28	10th	51.9	-	49.6	3.0	-	2.5	3.08	-	2.93	80	-	82
District Value -						59.7	45.0	52.0	+0.8	83		28													
4. MIDLAND COS.																									
Eastern Part.	Garforth -	198	-	-	-0.007	59.3	42.3	50.8	-	72	26th	26	11th	51.7	-	49.6	3.1	-	2.2	3.12	-	3.08	80	-	85
	Huddersfield -	411	29.444	-	-0.007	58.3	43.0	50.7	-	72	26th	33	11th	50.7	55.9	48.3	2.6	5.0	1.8	3.11	3.24	3.02	83	71	87
	Wakefield -	100	29.773	-	-0.007	60.9	43.6	52.3	+1.7	74	23rd	30	11th	52.5	-	51.9	3.6	-	2.9	3.02	-	3.12	76	-	81
	Belvoir Castle -	276	29.598	-	-0.007	59.7	43.2	51.5	+0.5	78	20th	30	10th	50.2	-	49.1	2.4	-	2.3	3.02	-	2.93	84	-	84
	Coventry -	309	29.558	-	-	62.3	43.9	53.1	+0.7	75	20th, 23rd	29 ?	9th ?	52.3	-	-	3.7	-	-	2.98	-	-	76	-	-
	NOTTINGHAM -	85	29.793	-0.088	-0.002	60.3	43.3	52.1	+0.6	79	20th	28	11th	48.7	57.6	50.2	1.6	4.2	2.0	3.04	3.56	3.12	89	75	86
	Birmingham -	542	29.319	-	-0.007	60.0	44.2	52.1	+1.4	74	20th	33	9th	48.7	-	51.0	2.6	-	3.3	2.89	-	3.01	83	-	79
	Oxford -	212	29.672	-0.093	-	61.6	44.8	53.2	+1.0	75	23rd	32	10, 11th												

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of MAY, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
•	•	Hrs.	Hrs.	%	%	7.1	7.2	7.4	Ins.	Ins.	Ins.	30th	18	3	5	0	2	13	3	—	1	47	2	5	11	15	5	4	6	19	26	Castlebay (Isd.)	
—	—	258	—	—	—	7.1	—	6.0	1.78	—	0.27	30th	14	1	2	0	3	13	8	—	0	32	2	3	7	7	11	9	7	10	6	Deerness.	
—	—	175	—4	34	—1	5.5	5.3	5.3	2.23	+0.38	0.36	8th	16	0	0	0	5	5	2	—	0	46	1	1	14	15	7	12	12	18	13	Sumburgh Head.	
—	—	248	+55	48	+10	5.9	5.0	6.5	3.30	+0.85	0.51	3rd	19	0	5	1	3	5	2	—	0	51	3	2	21	9	6	6	9	26	11	Stornoway.	
—	—	—	—	—	—	7.3	—	7.1	2.10	+0.23	0.25	8th, 27th	20	0	1	0	1	12	4	—	0	15	1	8	0	15	4	10	5	11	8	Wick.	
—	—	151	—20	30	—4	7.7	—	7.1	2.97	+0.89	0.54	30th	21	1	0	0	2	16	0	—	0	16	21	2	2	12	3	5	7	5	5	Strathpeffer.	
—	—	—	—	—	—	6.6	—	6.4	6.86	+2.36	1.37	30th	21	3	3	1	3	13	0	—	0	42	0	13	5	9	0	2	1	32	0	Glencarron.	
—	—	131	—5	26	—1	7.2	—	7.5	3.52	+1.22	0.82	30th	15	2	0	1	2	16	3	—	0	40	1	1	24	1	2	4	24	3	2	Fort Augustus.	
—	—	—	—	—	—	7.1	—	6.8	4.66	+0.90	0.75	29th	18	2	2	2	3	13	1	—	0	20	8	0	14	6	0	2	18	10	4	Fort William	
50.6	—	—	—	—	—	7.4	—	7.0	2.98	+0.92	0.46	14th	20	0	1	1	2	15	4	—	0	3	0	8	2	3	21	2	5	5	16	Dunrobin Castle.	
—	—	176	+7	35	+2	6.9	5.8	6.7	3.66	+0.92	1.37	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	6.9	—	5.6	2.74	+0.55	0.34	10th	20	3	0	4	3	9	6	8	1	30	0	10	11	3	11	3	8	7	9	Tillypronie.	
—	—	—	—	—	—	6.8	—	8.1	1.36	—0.54	0.52	8th	11	0	1	1	1	12	2	—	4	10	0	1	14	1	12	5	22	3	4	Dundee.	
—	—	160	—	32	—	7.7	6.5	7.2	1.64	—0.03	0.20	7th, 12th	21	0	0	2	1	10	2	—	0	1	16	0	4	28	2	0	3	33	7	Nairn.	
—	—	172	—	34	—	7.6	—	6.5	1.27	—0.84	0.20	29th	18	0	0	1	1	13	0	—	0	4	0	2	12	0	7	3	14	10	14	Gordon Castle.	
—	44.9	190	+1	38	+1	6.2	5.9	6.0	2.37	+0.23	0.36	18th	20	0	3	3	4	10	3	—	0	15	9	6	16	10	6	12	7	12	15	Aberdeen.	
—	—	—	—	—	—	7.1	—	—	1.21	—1.09	0.22	12th	14	1	0	4	4	12	4	10	1	8	0	2	10	2	2	2	10	28	6	Balmoral.	
—	—	—	—	—	—	6.6	—	6.4	1.47	—0.88	0.21	4th, 8th	16	1	2	1	5	10	1	—	0	22	0	1	0	30	0	0	0	28	3	Crieff.	
—	—	—	—	—	—	7.2	—	5.9	1.71	+0.04	0.61	12th	16	1	3	1	1	10	2	—	0	7	3	1	14	9	3	2	8	20	2	Leith.	
48.7	—	166	—13	33	—3	6.3	—	5.2	1.60	—0.77	0.42	11th	14	0	2	3	7	11	8	6	0	2	0	19	1	19	0	2	5	13	3	Marchmont.	
—	—	173	—12	34	—3	6.9	—	6.4	1.69	—0.47	0.61	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	7.8	—	6.6	2.13	+0.14	0.28	18th	19	1	1	6	1	13	9	—	0	12	2	16	4	3	3	3	5	19	7	Seaham.	
—	—	193	—	39	—	5.7	—	5.6	2.38	+0.51	0.33	15th	19	0	1	3	6	9	11	—	0	1	1	1	7	0	9	1	13	2	28	Whitby.	
48.7	46.1	169	—	34	—	7.4	—	6.4	2.27	—0.01	0.46	11th	21	0	3	5	1	11	1	5	3	12	4	6	9	3	5	1	5	13	16	Cockle P'k (Mor-	
—	—	—	—	—	—	8.2	—	7.7	2.74	+1.03	0.42	31st	21	0	1	4	0	20	12	—	4	10	3	20	2	5	3	3	8	15	3	Shields. (peth.)	
—	—	163	—7	33	—2	8.0	—	6.7	1.66	—0.34	0.40	15th	18	1	1	4	1	16	3	6	0	9	15	10	9	0	0	4	5	15	4	Durham.	
50.1	—	—	—	—	—	8.0	—	7.6	2.34	+0.47	0.72	15th	18	1	0	5	0	16	12	9	0	8	4	7	16	1	3	9	7	8	7	Rounton.	
—	49.2	181	—	37	—	6.8	—	7.8	2.41	+0.45	0.82	15th	18	0	0	2	0	11	12	4	0	23	0	1	30	1	8	0	8	2	12	Scarborough.	
50.7	47.2	159	—19	32	—4	6.5	—	4.8	2.36	+0.45	0.66	21st	20	1	2	2	4	8	1	—	0	3	0	16	4	9	2	7	3	15	6	York.	
—	—	—	—	—	—	6.9	6.6	6.4	1.51	—0.02	0.44	11th	17	0	1	1	4	9	10	—	4	69	0	20	16	14	4	3	15	14	7	Spurn Head.	
51.4	47.4	—	—	—	—	6.6	—	4.8	2.45	+0.67	0.40	15th	18	0	0	0	5	12	0	—	0	3	12	2	5	17	3	1	2	17	3	Lincoln.	
—	221	—	—	45	—	5.6	—	5.4	1.86	—	0.36	5th	16	0	1	0	6	10	4	—	0	20	0	17	11	4	6	1	3	14	6	Skegness.	
51.0	46.5	156	—	32	—	6.3	—	5.8	1.90	+0.01	0.27	5th, 8, 11	17	0	3	5	4	11	1	4	0	2	12	1	16	7	3	0	4	4	15	Hull.	
50.4	46.8	183	—12	37	—3	7.0	—	6.3	2.28	+0.48	0.82	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
53.7	49.9	229	—	47	—	6.2	—	5.1	3.03	+1.39	0.60	18th	14	0	1	3	4	8	5	0	1	33	3	12	16	9	2	2	5	10	3	Lowestoft.	
—	—	219	—	45	—	7.0	—	7.4	2.44	—	0.51	1st	19	0	0	0	1	12	4	—	0	22	0	16	8	5	7	4	7	8	7	Cromer.	
—	—	207	+3	43	+1	6.8	—	5.6	4.11	+2.19	1.16	8th	18	0	1	4	3	12	0	5	0	3	14	2	24	3	2	0	9	6	2	Hillington.	
—	—	—	—	—	—	—	—	—	3.86	—	0.88	18th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Norwich.
54.8	51.4	257	—	53	—	6.1	6.2	6.0	2.77	+0.99	0.52	18th	14	1	1	1	0	3	8	—	0	30	1	14	27	12	6	2	11	12	8	Yarmouth.	
—	—	217	—1	45	0	7.2	—	5.9	3.91	+2.16	0.93	14th	18	0	2	7	3	11	0	—	0	4	2	15	10	9	3	3	7	11	2	Geldeston.	
53.6	50.2	210	+8	43	+1	7.3	—	5.2	2.16	+0.32	0.42	17th	20	0	2	6</																	

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 82° F. at Level and Latitude of Station.	Diff. from Nor- mal.	C. for Diurnal Range.	Mean of				Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A		Mean of A and B.	Diff. from Nor- mal.					Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
						Max.	Min.			Max.	Day.	Min.	Day.	I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
5. ENGLAND, S.E.—cont.	Eastbourne	38	29.843	—	—	59.1	46.6	52.9	+0.3	72	21st	34	3rd	54.2	—	52.2	3.8	—	2.6	3.28	—	3.30	77	—	83
	Dungeness	21	29.821	—	—	57.3	46.0	51.8	+0.1	66	21st	34	10th	50.7	55.4	53.2	1.2	2.4	1.7	3.40	37.1	3.58	92	85	89
	Hastings	174	29.694	—	—	59.7	46.7	53.2	+1.3	71	21st	34	9th	53.4	—	51.0	3.5	—	2.4	3.16	—	3.13	77	—	84
	Southampton	84	29.807	—	—	63.1	46.3	54.7	+1.0	77	23rd	33	9th	55.3	—	52.6	4.3	—	3.5	3.29	—	3.14	75	—	78
	Ventnor	80	29.784	—	—	60.4	47.3	53.9	+0.8	73	22nd, 23rd	35	9th	54.4	—	—	4.1	—	—	3.14	—	—	74	—	—
District Value			60.5	45.5	52.6	+0.2	79																		
LONDON	Tottenham	55	29.816	—	—	62.4	46.4	54.4	+0.6	77	22nd	33	10th	54.6	—	52.4	3.2	—	2.3	3.49	—	3.41	83	—	85
	Hampstead	450	29.403	—	—	60.4	45.1	52.8	—	74	22nd	31	9th	51.9	—	50.8	2.9	—	2.4	3.20	—	3.17	81	—	84
	Camden Square	123	29.757	—	—	65.0	46.3	55.7	+1.4	80	22nd	30	10th	54.8	—	53.4	4.2	—	3.2	3.18	—	3.22	75	—	80
	Westminster	54	29.815	—	—	62.2	46.5	54.4	+1.0	76	22nd	34	10th	50.7	—	58.0	2.3	—	5.9	3.12	—	3.20	83	—	67
	Greenwich	159	29.713	—	—	63.3	45.2	54.3	+0.5	78	28th	30	10th	53.8	—	51.1	3.7	—	2.8	3.15	—	3.05	76	—	81
	Norwood	235	29.638	—	—	62.9	46.0	54.5	+1.7	70	22nd	32	9th	54.3	—	51.7	4.5	—	3.2	3.04	—	3.02	72	—	79
	Kew	34	29.856	—	—	61.8	46.5	54.2	+1.6	75	22nd	33	10th	53.5	59.2	53.0	4.0	7.3	3.6	3.05	3.12	3.08	74	62	76
	Bunhill Row	—	29.847	—	—	—	—	53.7	+1.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Esksdalemuir	778	29.037	—	—	55.8	38.3	47.1	—	70	22nd	24	9th	50.8	53.2	43.8	3.8	5.2	1.6	2.87	2.86	2.57	76	70	58
SCOT- LAND, W.	Poltalloch	135	29.705	—	—	58.2	44.6	51.4	+1.3	75	15th	31	9th	51.4	—	48.9	4.1	—	3.0	2.79	—	2.76	74	—	80
	Glasgow	184	29.672	—	—	57.0	43.9	50.5	+0.5	70	22nd, 25th	34	9th	50.0	—	48.2	3.4	—	2.8	2.85	—	2.76	73	—	81
	Rothsay	76	29.800	—	—	58.1	44.2	51.2	+1.2	73	25th	33	9th	50.5	—	47.8	2.9	—	2.1	2.95	—	2.81	81	—	85
	Colmonell	150	29.731	—	—	58.8	42.5	50.7	+0.9	76	20th	31	9th, 10th	51.4	56.0	—	3.2	4.1	—	3.00	3.38	—	79	75	—
	Dumfries	155	29.722	—	—	59.7	43.5	51.6	+0.6	76	22nd	31	9th	52.3	—	48.9	3.4	—	2.4	3.05	—	2.89	77	—	84
ISLE OF MAN	Gally, Gatehouse	120	—	—	—	61.9	42.7	52.3	+2.4	77	22nd	27	9th	53.6	—	48.0	2.9	—	2.3	3.33	—	2.78	80	—	84
	Douglas	284	29.587	—	—	57.3	44.4	50.9	+1.0	73	23rd	36	9th	52.0	—	49.2	3.1	—	2.3	3.14	—	3.00	79	—	85
	District Value	—	—	—	—	58.7	43.5	50.7	+0.8	77															
	Southport	42	29.853	—	—	58.7	44.9	51.8	+1.3	77	20th	34	9th	53.1	56.1	50.4	3.4	5.3	2.3	3.14	3.12	3.08	77	69	85
	Manchester (City)	195	29.683	—	—	60.5	46.0	53.3	—	77	20th	35	8th	52.4	—	51.7	3.6	—	3.3	3.09	—	3.09	78	—	79
7. ENG- LAND, N.W.	„ (Whitworth Pk)	127	29.727	—	—	60.3	45.2	52.8	—	76	20th	33	9th	52.5	58.3	51.2	2.9	—	2.3	3.19	—	3.19	82	66	86
	Darwen	730	29.103	—	—	58.1	41.8	50.0	—	74	22nd	31	9th	51.9	—	48.4	3.6	—	2.2	3.07	—	2.95	79	—	85
	Aspatia	254	29.607	—	—	59.2	42.8	51.0	+0.6	76	20th	30	9th	52.9	—	48.6	3.7	—	2.0	3.05	—	2.94	76	—	86
	Newton Rigg	559	29.261	—	—	60.2	41.6	50.9	+1.3	73	23rd	30	9th	51.3	—	49.3	3.1	—	2.2	3.01	—	2.96	79	—	85
	Stonyhurst	363	29.499	—	—	59.7	43.7	51.4	+1.1	76	23rd	33	9th	52.9	—	49.7	4.1	—	3.0	3.06	—	2.90	75	—	80
	Blackpool	73	29.808	—	—	57.8	43.6	50.7	0.0	75	20th	31	9th	54.1	—	49.4	3.2	—	1.6	3.31	—	3.12	79	—	90
	M'nch't'r (Prestwich)	320	29.536	—	—	59.7	43.7	51.7	+1.3	75	20th	33	9th, 10th	51.5	—	49.8	2.5	—	2.2	3.16	—	3.02	83	—	85
	Liverpl., Bidston Obs.	197	29.676	—	—	57.9	45.5	51.7	+0.2	75	20th	37	7th	51.7	—	50.5	3.5	—	2.8	2.96	—	2.97	77	—	81
	Llandudno	21	29.869	—	—	57.1	45.7	51.4	+0.2	66	26th	33	7th	53.2	—	51.8	3.8	—	3.0	3.06	—	3.09	75	—	80
	HOLYHEAD	48	29.842	—	—	55.9	45.4	50.7	+0.3	70	20th	39	6, 7, 9th	50.1	53.5	49.5	1.8	3.2	2.0	3.16	3.24	3.09	87	79	87
NORTH WALES	Bettws-y-Coed	100	29.768	—	—	59.9	43.0	51.5	+0.1	75	16th	32	9th, 11th	53.8	—	48.9	4.1	—	1.4	3.06	—	3.12	74	—	91
	Llanegwad	810	29.584	—	—	56.1	44.3	50.2	—	69	20th	36	9th	51.5	—	48.2	3.5	—	2.0	3.01	—	2.93	78	—	86
	District Value	—	—	—	—	58.6	44.0	50.9	+0.2	77															
	Llangammar Wells	585	29.259	—	—	60.3	41.1	50.7	+0.2	74	23rd	27	11th	52.2	—	—	3.4	—	—	3.03	—	—	78	—	—
	PEMBROKE	150	29.732	—	—	56.9	45.6	51.3	+0.6	72	24th	36	10th	49.9	53.5	49.7	1.4	2.1	1.1	3.23	3.51	3.28	91	86	92
8. ENG- LAND, S.W.	Clifton	229	—	—	—	62.4	46.4	54.4	+1.0	77	23rd	34	9th	—	—	—	—	—	—	—	—	—	—	—	—
	PORTLAND BILL	23	29.839	—	—	57.2	46.9	52.1	+1.3	72	24th	40	9th, 11th	50.7	54.5	52.6	2.1	3.1	2.3	3.17	3.39	3.35	86	79	84
	Plymouth	116	29.784	—	—	59.9	47.6	53.8	+0.6	75	24th	37	11th	55.4	57.5	52.2	4.5	5.3	3.6	3.28	3.37	3.08	74	70	78
	Falmouth	183	29.747	—	—	57.5	48.0	52.8	+0.7	71	24th	39	9th	54.0	55.9	50.9	4.0	5.1	2.7	3.10	3.14	3.05	74	69	82
	Woolacombe	79	29.802	—	—	58.7	47.6	53.2	+0.8	73	23rd, 24th	39	9th	53.3	—	51.8	3.7	—	3.1	3.09	—	3.05	76	—	79
9. IRELAND, N.	Whitchurch	595	29.262	—	—	59.2	45.3	52.3	—	73	23rd	36	9th	53.4	—	48.7	3.5	—	2.1	3.16	—	2.92	77	—	85
	District Value	—	—	—	—	59.5	45.4	52.1	+0.4	77															
	Malin Head	230	29.613	—	—	53.4	44.4	48.9	+0.8	65	19th	35	8th, 9th	47.3	51.3	50.1	1.3	2.3	2.0	2.94	3.19	3.11	91	84	86
	BLACKSOD POINT	41	29.884	—	—	54.5	45.3	49.9	+1.1	62	17th	34	7th	49.4	52.3	49.3	2.0	2.5	1.9	3.03	3.27	3.04	87	83	87
	Markree Castle	127	29.786	—	—	58.6	43.1	50.9	+0.9	69	17th	33	4th	53.1	—	48.4	3.4	—	1.5	3.22	—	3.09	78	—	90
10. IRELAND, S.	DONAGHADEE	40	29.850	—	—	54.7	43.9	49.3	+0.9	62	20th	35	6th	46.8	52.0	47.7	1.5	2.8	1.6	2.84	3.15	2.92	89	88	89
	Eastern Part.	202	29.677	—	—	59.2	42.9	51.1	+0.7	69	21st	33	12th	52.2	—	48.2	3.5	—	2.3	3.09	—	2.90	78	—	84
	Belfast	55	—	—	—	58.5	44.2	51.4	—	69	20th	35	12th	52.0	—	50.2	4.4	—	3.1	2.86	—	2.91	73	—	7

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.												STATIONS.	
At 1 foot depth.	At 4 foot depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
					I.	II.	III.			Amount.	Day.											Force 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
		Hrs.	Hrs.	%.	%.				Inch.	Inch.	Inch.																							
53°6	50°8	229	+ 1	48	0	6.1	—	6.0	2.52	+0.92	0.55	18th	17	0	0	5	4	11	0	—	0	3	7	7	14	6	7	1	9	3	8	Eastbourne.		
—	—	—	—	—	—	8.1	7.5	7.5	2.45	+1.22	0.35	2nd	19	0	1	8	0	9	5	—	0	54	0	11	26	14	5	4	15	12	6	Dungeness.		
54°2	50°2	223	- 12	47	- 2	6.6	—	4.9	2.22	+0.62	0.44	18th	20	0	4	7	3	7	2	0	2	25	3	12	15	7	3	1	8	8	5	Hastings.		
—	—	219	0	46	0	5.8	—	4.6	1.36	-0.55	0.20	12th	16	0	1	4	5	6	0	6	1	28	0	2	21	0	9	0	12	0	18	Southampton.		
—	—	233	- 5	47	- 1	6.6	—	—	1.28	-0.30	0.27	18th	16	0	1	1	4	10	3	—	1	19	2	17	8	5	6	1	12	7	4	Ventnor.		
53°6	50°3	215	+ 6	48	+ 1	6.7	—	5.6	2.06	+0.26	0.89	18th	18	0	1	2	1	10	0	4	0	4	4	9	9	7	7	2	8	8	8	Tottenham.		
—	49°8	218	—	46	—	7.5	—	6.2	2.00	—	0.34	18th	18	0	1	2	1	10	0	4	0	4	4	9	9	7	7	2	8	8	8	Hampstead.		
—	—	219	—	46	—	7.3	—	5.7	2.14	—	0.47	18th	19	2	2	7	3	14	1	—	0	6	9	10	15	7	3	0	7	7	4	Camden Square.		
53°3	48°5	196	—	41	—	6.5	—	—	2.22	+0.47	0.52	18th	19	1	0	3	6	15	1	5	—	—	2	12	5	3	1	0	1	1	6	Westminster.		
—	—	204	+ 37	43	+ 8	7.0	—	5.6	2.15	+0.46	0.55	18th	20	3	2	5	1	7	0	3	0	22	4	12	11	10	3	0	5	9	8	Greenwich.		
—	49°9	219	+ 33	46	+ 7	7.5	—	6.5	2.24	+0.32	0.48	18th	19	1	2	4	1	11	1	4	0	9	3	13	10	8	4	2	11	6	5	Norwood.		
52°8	—	—	—	—	—	7.3	—	6.2	2.05	+0.33	0.43	18th	19	1	2	4	2	12	2	2	0	5	12	10	8	8	7	1	5	8	3	Kew.		
50°9	49°2	217	+ 16	45	+ 3	6.7	6.0	5.2	1.84	+0.11	0.43	12th	16	0	1	5	3	9	1	6	0	24												

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, MAY, 1910.

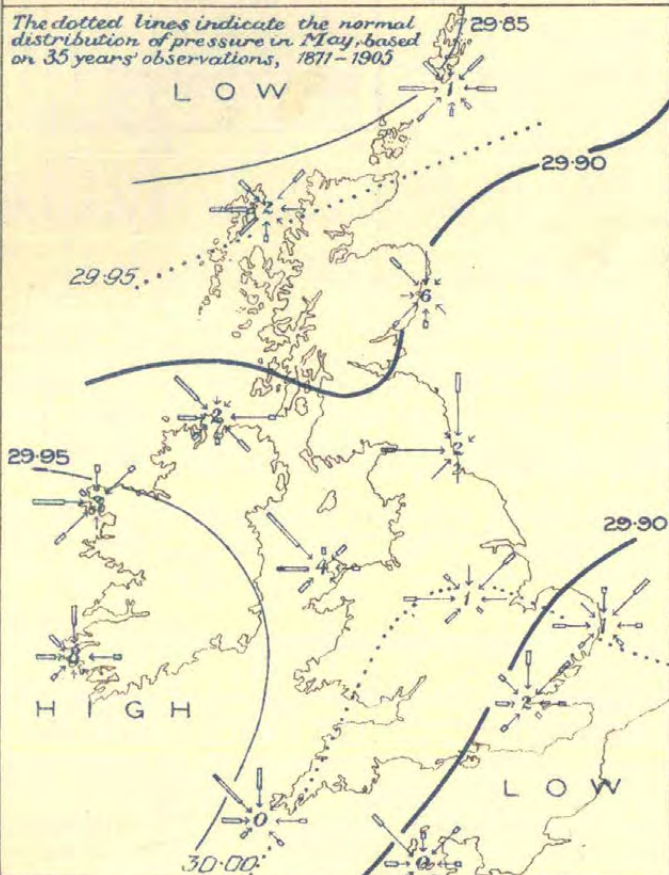
DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Day.					
			Max.	Min.																			
		Ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	Hrs.	Hrs.	%	%	
O. SCOTLAND, N.	p Balta Sound	31	52.1	41.8	47.0	—	63	22nd	34	6th, 8th	47.8	—	—	2.25	—	0.32	29th	17	231	—	44	—	
	p Crathes	140	58.2	41.3	49.8	—	71	26th	30	6th, 9th,	49.5	45.7	10	2.72	—	0.52	18th	20	164	—	33	—	
	p Stonehaven	186	55.4	41.8	48.6	—	70	27th	31	9th	—	—	—	2.36	—	0.59	18th	17	187	—	37	—	
1. SCOTLAND, E.	p Balruddery	276	58.5	39.8	49.2	—	71	15th, 27th	29	6th	—	—	—	0.92	—	0.23	18th	13	186	—	37	—	
	Edinburgh	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a West Linton	800	54.5	38.2	46.4	- 1.3	66	22nd, 26th	22	9th	—	—	7	2.24	—	0.29	12th	18	172	—	35	—	
2. ENGLAND, N.E.	a Alnwick Castle	210	56.0	41.9	49.0	+ 0.8	75	26th	32	10th, 11th	—	—	—	2.51	+ 0.35	0.57	18th	16	—	—	—	—	
	p Newcastle-on-Tyne	152	55.3	43.6	49.5	—	70	26th	36	9th	—	—	—	2.47	+ 0.61	0.71	31st	19	117	- 28	24	- 5	
	p Ampleforth	349	58.5	42.1	50.3	—	72	23rd	33	7th	—	—	—	2.84	—	0.58	15th	16	—	—	—	—	
3. ENGLAND, E.	p Tealby	251	57.7	43.2	50.5	+ 0.4	67	20th, 26th	33	3rd	—	—	—	3.16	+ 1.26	0.77	14th	14	—	—	—	—	
	a Fulbeck	180	61.3	43.1	52.2	+ 0.4	80	20th	31	10th	—	—	3	2.51	+ 0.66	0.44	18th	19	—	—	—	—	
	a Rauceby	124	61.2	43.4	52.3	—	80	20th	30	10th	53.3	48.0	5	2.35	+ 0.41	0.38	14th	17	203	—	42	—	
4. MIDLAND COUNTIES	a Felixstowe	10	58.0	46.2	52.1	- 0.1	72	21st	37	3, 5, 8, 10	—	—	—	2.81	—	0.41	1st	17	244	—	51	—	
	a Rothamsted	424	61.0	44.1	52.6	+ 1.6	74	20th, 22nd	28	10th	—	—	—	2.03	+ 0.02	0.36	18th	19	199	+ 3	41	0	
	a Shoeburyness	13	59.1	46.5	52.8	+ 0.2	73	28th	33	10th	—	—	—	3.02	+ 1.73	0.61	28th	19	—	—	—	—	
5. ENGLAND, S.E.	a Southend-on-Sea	100	59.9	46.9	53.4	—	72	20th	35	10th	53.8	—	2	3.40	+ 2.02	0.80	28th	19	214	—	45	—	
	a Harrogate	476	58.7	42.2	50.5	+ 1.6	74	26th	34	3, 6, 8, 11	48.4	47.1	4	2.46	+ 0.48	0.46	5th	17	185	—	38	—	
	a Bradford	489	57.5	43.0	50.3	—	71	26th	33	3rd	49.8	45.3	4	2.09	—	0.46	5th	17	186	—	38	—	
6. SCOTLAND, W.	a Cheadle	646	58.9	42.3	50.6	+ 0.9	73	23rd	30	9th	—	—	7	2.52	+ 0.31	0.46	31st	18	—	—	—	—	
	a Bawtry	65	62.5	42.8	52.7	+ 1.6	75	23rd	29	11th	—	—	—	1.94	+ 0.04	0.52	14th	20	—	—	—	—	
	a Worksop	56	61.7	43.1	52.4	+ 1.3	76	20th	28	11th	51.6	48.5	5	2.19	+ 0.15	0.46	15th	18	170	0	35	0	
7. ENGLAND, N.W.	a Mayfield (Staffs.)	374	59.4	42.3	50.9	—	74	20th	28	11th	—	—	5	2.36	—	0.31	5th	18	—	—	—	—	
	a Belper	222	60.9	43.7	52.3	—	77	20th	31	9th	—	—	3	2.14	—	0.32	5th	18	—	—	—	—	
	a Kingston-on-Soar	125	60.6	42.5	51.6	—	75	20th	28	11th	50.4	—	—	2.47	—	0.33	17th	23	—	—	—	—	
8. ENGLAND, S.W.	p Rugby	379	61.7	42.8	52.3	+ 1.4	76	20th, 23rd	30	3rd, 9th	—	—	6	2.43	—	0.62	21st	17	—	—	—	—	
	a Raunds	210	62.5	42.7	52.6	+ 0.8	79	20th	26	10th	51.9	—	5	2.34	—	0.38	17th	20	—	—	—	—	
	a Winslow	379	61.3	43.8	52.6	—	75	20th	30	10th	—	—	7	2.43	—	0.41	17th	20	—	—	—	—	
9. ENGLAND, S.W.	a Hereford	291	62.8	43.7	53.3	+ 1.3	74	23rd	30	11th	—	—	12	2.08	+ 0.04	0.29	16th	17	—	—	—	—	
	a Cirencester	446	62.1	42.8	52.5	+ 1.8	73	22nd, 23rd	28	9th	50.8	48.0	6	1.17	- 0.91	0.22	31st	18	202	- 2	42	0	
	a Epsom	160	62.4	44.6	53.5	—	75	22nd	28	10th	—	—	6	1.83	—	0.45	18th	16	—	—	—	—	
10. ENGLAND, S.W.	a Wokingham	216	62.1	42.2	52.2	—	75	22nd	25	11th	—	—	—	1.96	—	0.36	18th	17	—	—	—	—	
	a Maidenhead	99	64.6	44.9	54.8	—	79	22nd	29	10th	—	—	9	1.85	—	0.36	18th	17	—	—	—	—	
	a Marlborough	424	60.9	42.0	51.5	+ 0.6	75	23rd	27	9th	—	—	7	2.02	+ 0.04	0.33	31st	22	203	+ 17	42	+ 3	
11. ENGLAND, S.W.	a Bucklebury	409	60.5	43.8	52.2	—	73	22nd, 23rd	30	11th	—	—	7	1.87	—	0.26	18th	21	—	—	—	—	
	a Swaraton	310	61.1	44.1	52.6	+ 2.0	74	23rd	28	10th	—	—	—	1.81	- 0.18	0.36	12th	19	—	—	—	—	
	a Margate	35	57.9	46.6	52.3	- 0.1	74	20th	36	8th	51.1	48.8	0	3.00	+ 1.40	0.40	2nd	16	192	- 6	40	- 1	
12. ENGLAND, S.W.	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	3.31	—	0.43	28th	19	204	—	43	—	
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	209	—	44	—	
	a Wisley	150	61.8	45.0	53.4	+ 0.9	75	22nd	29	10th	52.8	49.9	6	1.87	—	0.43	18th	16	212	—	44	—	
13. ENGLAND, S.W.	a Basingstoke	289	61.2	44.1	52.7	—	74	22nd	30	10th	—	—	5	2.17	—	0.27	18th	20	—	—	—	—	
	a Dover	231	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Tunbridge Wells	421	60.8	44.5	52.7	+ 1.3	71	16th	31	10th	53.8	—	5	2.77	+ 0.96	0.59	18th	18	215	+ 9	45	+ 2	
14. ENGLAND, S.W.	a Matfield	320	60.3	45.2	52.8	—	71	16th	33	9th	—	—	7	2.53	—	0.52	18th	17	—	—	—	—	
	p Folkestone	121	58.3	46.1	52.2	—	69	16, 20, 21	35	8th	—	48.1	—	—	3.03	+ 1.33	0.58	17th	18	222	—	47	—
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	207	—	43	—	
15. ENGLAND, S.W.	a Bexhill	27	59.5	47.4	53.5	—	72	23rd	34	9th	54.4	—	0	2.20	—	0.57	18th	19	218	—	46	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	225	—	47	—	
	a Worthing	36	60.7	46.8	53.8	+ 1.5	74	23rd	34	9th, 10th	54.5	50.4	3	2.03	+ 0.52	0.44	18th	17	235	—	49	—	
16. ENGLAND, S.W.	a Bognor	20	59.9	46.7	53.3	—	74	23rd	33	9th	—	49.4	5	1.68	—	0.40	18th	14	239	—	50	—	
	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	243	—	51	—	
	a Totland Bay	140	60.1	46.3	53.2	+ 1.5	74	23rd	34	10th	—	—	4	1.24	- 0.45	0.32	12th	18	228	—	48	—	
17. ENGLAND, S.W.	a Sandown	20	61.5	47.1	54.3	—	74	22nd	34	9th	—	—	—	1.52	—	0.31	12th	17	223	—	47	—	
	p Bournemouth	145	62.0	46.0	54.0	—	77	23rd	34	11th	52.9	51.0	—	1.63	—	0.33	12th	19	229	—	48	—	
	p Oban	20	59.8	43.1	51.5	—	77	16th	32	6th	—	—	0	2.71	—	0.50	5th	17	202	—	40	—	
18. ENGLAND, S.W.	a Thorntonhall (Lanarkshire)</																						

MONTHLY WEATHER CHARTS. MAY, 1910.

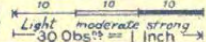
IV

1. BAROMETER AND WIND AT 7 A.M.

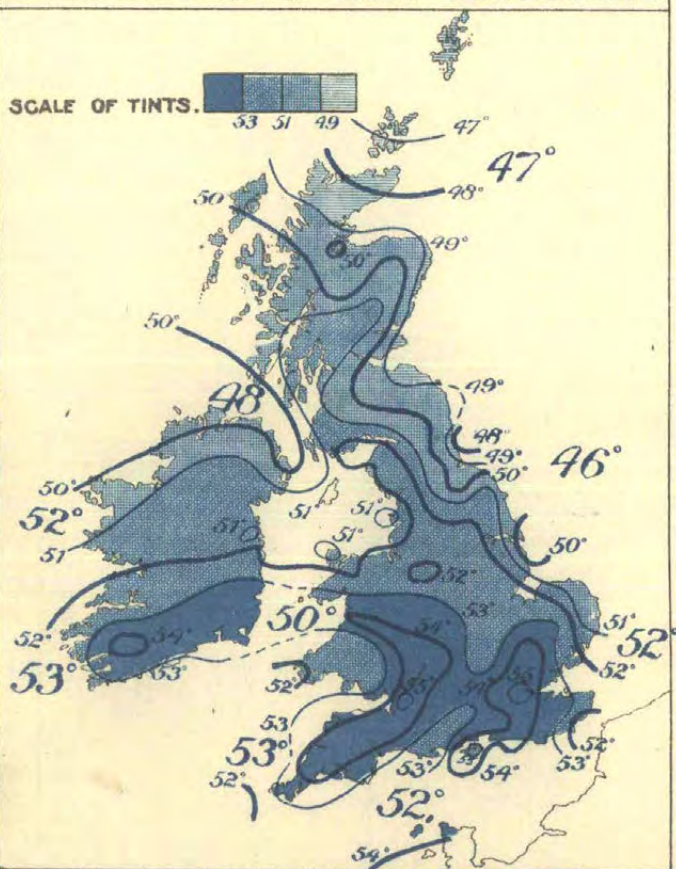
The dotted lines indicate the normal distribution of pressure in May, based on 35 years' observations, 1871-1905



WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:

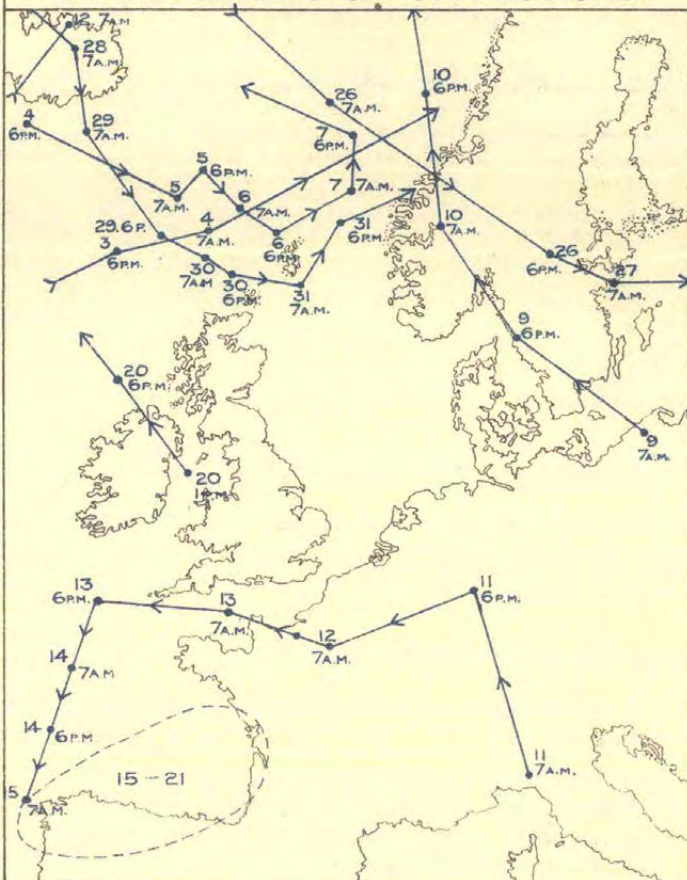


3. DISTRIBUTION OF MEAN TEMPERATURE.

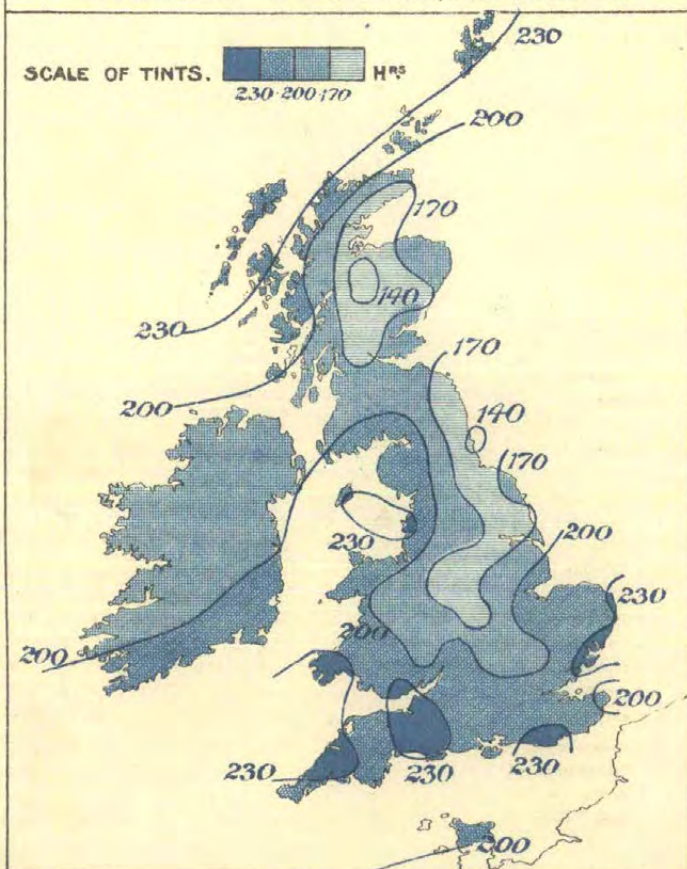


The temperature of the sea is indicated by large figures, thus:- 46°

2. MOVEMENTS OF DEPRESSIONS.



4. BRIGHT SUNSHINE, IN HOURS.



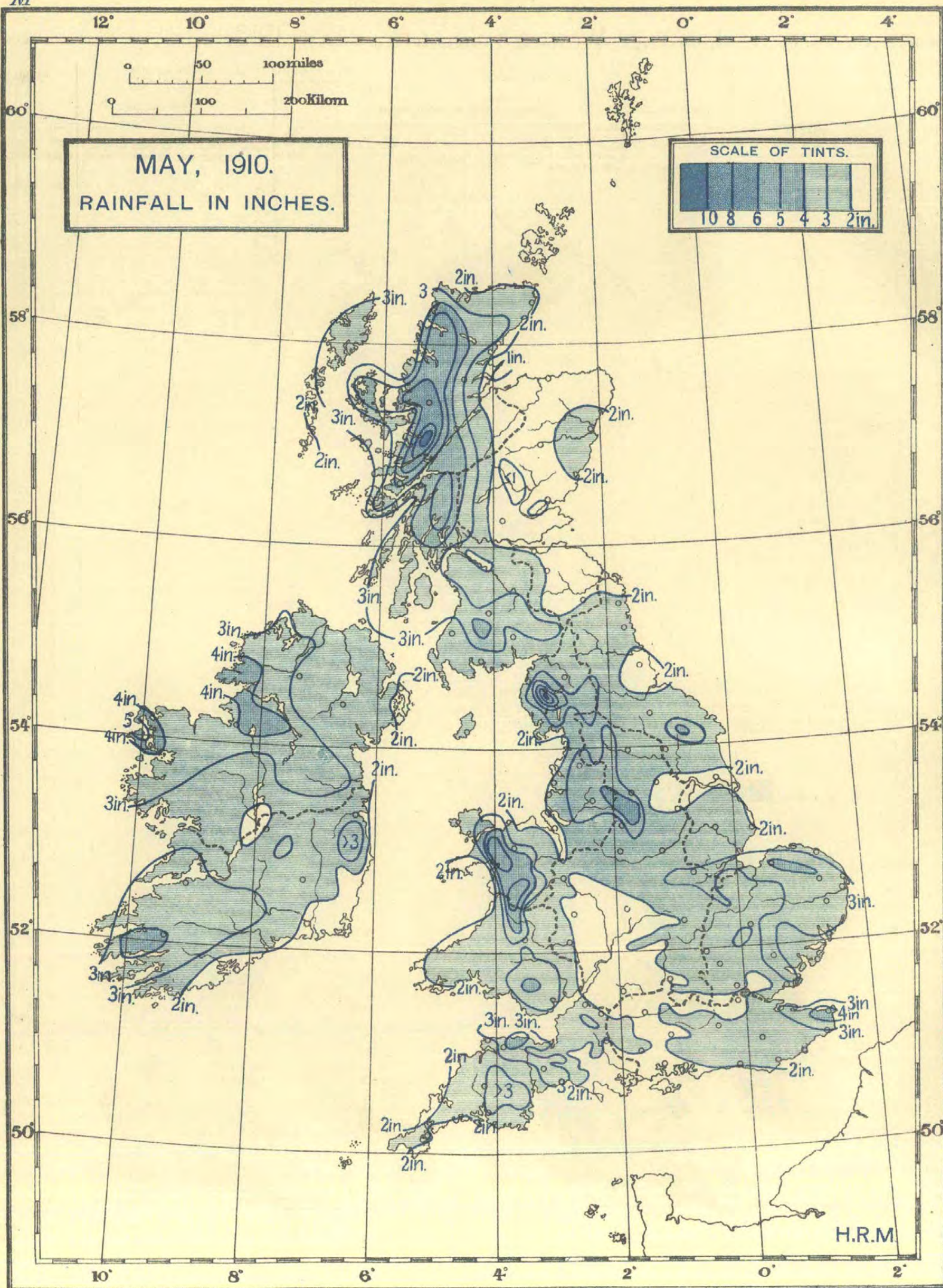


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, MAY, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.						
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.							Ins.	Ins.						Ins.	Date.
			Max.	Min.																					
		Ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
8. ENGLAND, S.W.— (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	1'90	—	0'36	3rd	17	—	—	—	—	—			
	" "	900	—	—	—	—	—	—	—	—	—	—	1'84	—	0'31	18th	17	—	—	—	—	—			
	† a Cardiff	50	60'2	45'0	52'6	- 0'2	73	23rd	33	9th	55'1	48'8	5	2'83	+ 0'40	0'51	19th	22	234	—	49	—			
	a Swansea	24	61'3	47'6	54'5	—	72	22nd, 23rd	35	9th	56'1	51'8	2	2'80	—	0'63	30th	21	225	—	47	—			
	† a Shaftesbury	722	59'2	43'9	51'6	+ 1'1	73	23rd	32	9th	52'6	—	—	1'64	- 0'46	0'44	7th	16	—	—	—	—			
	† a Arlington	613	59'1	44'3	51'7	+ 1'1	73	23rd, 24th	35	3, 9, 11th	—	—	—	3'77	+ 0'99	0'67	19th	19	—	—	—	—			
	† a Cullompton	202	62'7	44'9	53'8	+ 1'3	75	23rd	32	11th	—	—	3	3'46	+ 1'41	1'16	17th	18	202	+ 1	42	—			
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	217	- 11	46	- 2			
	a Weymouth	21	61'9	47'1	54'5	—	75	23rd, 24th	35	9th	—	—	—	1'54	—	0'48	19th	14	224	—	47	—			
	p Paignton	11	60'3	47'0	53'7	—	73	23rd	34	11th	—	—	—	2'47	—	0'74	14th	17	213	—	45	—			
	a Sheepstor	749	58'7	43'4	51'1	—	72	24th	34	11th	—	—	—	3'95	—	0'84	14th	22	—	—	—	—			
	§ a Newquay	100	56'5	47'9	52'2	+ 0'5	70	24th	39	11th	53'2	—	—	1'92	+ 0'23	0'52	18th	15	234	+ 13	49	+ 3			
9. IRELAND, N.	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	223	—	47	—			
	a Teignmouth	19	60'2	48'0	54'1	—	72	24th	36	11th	—	—	0	1'77	—	0'42	14th	17	214	—	45	—			
	a Fowey	—	60'6	47'3	54'9	—	76	24th	36	10th	—	—	—	2'10	—	0'71	17th	15	—	—	—	—			
	a Penzance	54	60'1	48'7	54'4	—	75	24th	40	9th	—	—	—	2'39	—	0'71	17th	16	217	—	46	—			
	p Dunfanaghy	54	55'2	43'8	49'5	—	66	19th	34	8th	—	—	—	2'83	—	0'47	20th	19	—	—	—	—			
	p Dublin (Glasnevin)	67	57'0	43'1	50'5	+ 0'4	70	22nd	32	12th	—	—	11	2'33	+ 0'37	0'39	18th	19	—	—	—	—			
	a Kingstown	42	57'1	45'6	51'4	—	68	22nd	36	7th, 9th	—	—	—	2'14	—	0'27	6th	20	209	—	43	—			
	p Clongowes Wood College	245	58'4	40'9	49'7	—	69	21st	29	12th	—	—	6	2'52	—	0'29	18th	18	211	—	43	—			
	a Mountmellick	253	59'6	43'5	51'6	—	71	25th, 27th	31	12th	—	—	—	2'74	—	0'51	18th	17	—	—	—	—			
	p Newcastle (Co. Wicklow)	256	57'1	44'2	50'7	—	67	22nd	36	9th	—	—	—	1'78	—	0'41	18th	19	—	—	—	—			
	† a Kilkenny	212	60'1	44'8	52'5	+ 0'9	73	24th	34	12th	—	—	—	2'28	+ 0'22	0'58	18th	18	—	—	—	—			
	† a Cahir	190	60'1	45'0	52'6	+ 1'0	73	17th	32	12th	—	—	—	3'39	—	0'67	14th	16	—	—	—	—			
10. IRELAND, S.	† a Foynes	108	57'8	46'2	52'0	+ 0'5	71	17th	37	7th	—	—	—	3'50	+ 1'27	0'57	18th	26	—	—	—	—			
	§ a Ballinacurra	34	60'5	45'4	53'0	—	71	17th	35	3rd	—	—	—	1'54	—	0'45	14th	15	216	—	45	—			
	† a Guernsey (Villa Carey)	180	58'9	47'6	53'3	+ 0'5	68	16th, 27th	40	10th	—	—	—	2'20	+ 0'29	0'35	11th	20	214	- 44	45	- 10			
11. ENGLISH CHANNEL																									

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—**Clarendon**, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). **Black Capitals**, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. **Roman**, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. **Italic**, auxiliary climatological stations—I, 9 a.m. only, at *Colmonell* and *Ventnor* 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of **Ground Frost**.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

† 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 A and B. 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 A. 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.

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 distribution of atmospheric pressure during June was of a changeable, unstable character, and the weather experienced was consequently very variable. A disturbance which towards the close of May moved from Iceland down to the vicinity of Shetland, passed eastward across Scandinavia in the opening days of June, but other depressions from the upper Atlantic regions advanced towards the British Isles. The area of highest pressure at this time occupied a great part of the Atlantic, with its central space in the neighbourhood of the Azores. On the morning of the 5th a sudden development of high pressure conditions took place immediately off the north of Scotland, the system quickly expanding eastward across the northern half of Europe, and westward to the Atlantic, leaving southern England under the influence of shallow depressions which covered the southern half of Europe. This distribution was maintained until the 8th, the barometer rising above 30.4 ins. in northern Scotland on the 6th, touching 30.43 ins. at Nairn and Sumburgh Head. By the morning of the 9th the situation had undergone an important change, the northern anticyclone taking up a position eastward of the Gulf of Bothnia. Between it and the Atlantic high pressure area a great trough of low pressure was formed, extending from the Greenland-Iceland region south-eastward across the North Sea to Italy, the Mediterranean and Tripoli, conditions which held until the 14th. In the meantime the anticyclone out on the ocean gradually moved eastward past the Azores, and by the morning of the 14th its maximum of pressure was found over the Bay of Biscay. On the following day it was over Britain, the barometer rising to 30.43 ins. at Bath on the 15th, and above 30.4 ins. at several other stations on the 15th, 16th and 17th. This anticyclonic type prevailed over practically the whole of south-western, western and north-western Europe and Iceland until the 20th. On this day there appeared off the west of Ireland a large disturbance which had taken five days to cross the ocean from Newfoundland. Thenceforward to the end of the month low pressure areas were found daily over an extensive region, embracing the more northern portion of the Atlantic, and stretching thence across the United Kingdom, eastward to northern Russia. These disturbances, and, indeed, those of the earlier part of the month, were of no great depth, barometer readings below 29.5 ins. being limited almost entirely to the closing week, but Sumburgh Head registered 29.29 ins. on the 1st, and 29.22 ins. on the 27th, while Malin Head and Leith had 29.28 ins. on the 28th.

With a decided predominance of shallow disturbances wandering about in many directions, and no anticyclones of any great intensity, the mean pressure for the whole month was very uniform all over north-western Europe and across to Iceland, the values being lower over eastern Ireland, Wales, the Midland and south-eastern English Counties and the North Sea. The extreme values in the British Isles were 29.94 ins. at Jersey, and 29.88 ins. at Yarmouth, and at neighbouring foreign stations, 29.98 ins. at Brest, 29.95 ins. at Isafjord (north-west Iceland), and 29.87 ins. at Skagen. Out at the Azores the mean was 30.27 ins. Throughout the British Isles the results were below the average, the smallest divergences being in the north, 0.02 in. at Stornoway, and 0.05 in. at Sumburgh Head, the greatest in the south-east, 0.12 in. at Dungeness, Yarmouth, and in London. In the absence of great anticyclones and cyclones the range of pressure during the month was very moderate, less than 1½ in. in Shetland, and diminishing southward to ¾ in. at Jersey. As will be gathered from the mean barometric extremes quoted there was only a slight and irregular pressure gradient, and the winds consequently were very variable in direction, all quarters of the compass being visited, the South-East the least frequent. Another result was the general weakness of the air currents. At the telegraphic reporting stations there were few instances of a force exceeding that of a strong breeze, the most windy days of the month being the 5th to the 7th, and the 25th to the 30th. On the 6th, when the pressure minimum was over central and southern Europe, there was a local increase in the gradient over the south-east quarter of England, and the North-Easterly wind rose to the force of a gale for a short time at Spurn Head. Again on the 26th, with the centre of a depression over southern Scandinavia, a Northerly gale was felt at Wick. The records of the self-registering anemometers disclose no gales, and no high velocities in gusts of short duration.

With the numerous shallow disturbances of the month over the United Kingdom and the western half of the Continent the weather was of a more than usually erratic character. Broadly speaking the northern half of this country was favoured with a preponderance of fine dry weather, while the southern districts experienced the opposite conditions—much dulness with frequent heavy rain and thunderstorms. One of the most notable features of the period was the development of electrical disturbances of a very violent type over extensive areas. From the 5th to the 10th, with an anticyclone across the northern regions and ill-defined low pressure systems on the Continent, terrific thunderstorms occurred daily over a great part of England, and were almost as frequent in eastern Ireland. These storms

were more violent and more prolonged over the southern counties of England than elsewhere. At Portsmouth one storm was continuous through six hours, and Brighton had a severe visitation lasting 8½ hours, from 10 p.m. on the 5th until 6.30 a.m. on the 6th. An interesting feature associated with these widely experienced storms was the remarkable variation in the quantity of rain precipitated. In some instances the observers noted severe thunder and lightning accompanied by no rain; others registered only insignificant rainfalls, for example, London and some other localities with daily thunderstorms received less than half an inch of rain as the aggregate total for a whole week. On the other hand there were many districts where the rain fell in torrents, in some cases mixed with hail.

Only some of the more important rainstorms can be referred to. The thunderstorms of the night of the 5th seem to have been confined to southern England, but the area of very heavy rainfalls extended westward across South Wales to the eastern districts of Ireland. The largest records were 1.5 in. at Newport, Newchurch, Llangammarch Wells, Newcastle (Wicklow) and Dublin; 1.8 in. at Killiney, 2 ins. at Abergavenny, 2.1 ins. at Cardiff, and around Salisbury, 1.6 in. at Wilton, 2.1 ins. in the western side of the City, and 3.5 ins. in the eastern part, at the Sewage Works. Nearly the whole of the 3.5 ins. fell within three hours, 1 a.m. to 4 a.m. on the 6th. At Heathfield, Sussex, 1.1 in. fell in an hour and a half.

There was a considerable extension of the thunderstorm area on the 6th and subsequent days, but falls of an inch of rain were not so numerous on the 6th, 7th and 8th, although on the 7th 2.5 ins. fell at Old Windsor, and 3.6 ins. at Stow-on-the-Wold. By the 9th the rainstorms again became heavier, Bath reporting 1.5 in., Clifton and Berkhamsted 1.6 in., Maidenhead 1.9 in., while in the neighbourhood of Reading and Oxford there were two records of 5.5 ins. Of this large quantity 3.2 ins. fell at Kidmore End, Reading, in one hour; and at Wheatley, Oxford, 2.7 ins. fell in 48 minutes, and another 1.7 in. in 20 minutes.

Between about the 10th and the 22nd the weather was rainless or nearly so over a great portion of the kingdom, but thunderstorms again broke over a considerable region of England and Ireland from the 21st to the 25th, and here and there falls of more than an inch of rain occurred, the largest, 1.8 in., at Fowey, on the 23rd.

As a rule temperature did not show any decided divergence from the normal, the month's results in most districts indicating a moderate excess. From the 7th to the 9th afternoon maxima of 80° and upwards were recorded in various parts of England, 83° at Stokesay on the 8th; and similar values were reported on the 19th and 20th, as high as 84° at Camden Square (London) and Maidenhead. In Scotland the highest was 79° at Oban (8th), Crieff (11th) and Balruddery (12th); in Ireland 75° at Markree Castle (7th) and Killarney (19th). On various occasions there were maxima below 55°, as low as 51° at Phoenix Park (2nd) and Deerness (26th and 30th). There were few night minima below 37°, but on the morning of the 15th Eskdalemuir touched 32°, and on the 28th Balmoral went down to 30°. A considerable number of the minima were above 57°, as high as 62° at Manchester, and 63° at Colwyn Bay on the 21st.

Fog was experienced frequently on most coasts between the 2nd and 25th, often dense, interfering with shipping movements, and occasioning some casualties.

There was a general increase in the temperature of the sea water along our coasts, as much as 7° higher than in May at some points on the east coast of Britain, 8° at Margate. Off the west of Ireland, Newquay, Margate and the Orkneys the water was slightly warmer than the air on shore, in nearly all other localities it was colder, by 6° off Scarborough, and 7° off Burnmouth.

Rainfall.—The distribution of precipitation was unusual. Scotland, north-eastern England, and western Ireland had a deficiency, which ranged up to as much as 2.7 ins. at Fort William. Other regions had an excess, Bath receiving 3.2 ins. more than usual, and Dublin City 4.2 ins. The aggregate falls for the month yielded less than an inch at a number of northern stations, 0.6 in. at Crathes being the smallest. Totals exceeding 5 ins. were in the south-west quarter of England, Wales, and the east and north of Ireland, ranging up to 10½ ins. on Plynlimon. Rain fell on twenty-four days at Blacksod Point, and on twenty-three days at Foynes, but few other stations had twenty days, many ten or less, down to seven at Deerness.

Bright Sunshine.—Like the rainfall the distribution of sunshine was unusual. There was a large excess in the north, Marchmont having 37 hours more than the normal, and Stornoway 45 hours more. Many English and Irish stations returned a loss of more than 30 hours, 44 hours at Stonyhurst, and 53 hours at Phoenix Park and Valencia. The highest total for the month was in the Hebrides, 251 hours (48 per cent. of the possible) at Castlebay, followed by 242 hours (49 per cent.) at Yarmouth. Ireland had the smallest records, down to 132 hours at Markree Castle, and 131 hours (26 per cent.) at Birr Castle and Clongowes Wood.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY -	48	29.816	-.045	-.001	58.7	49.7	54.2	+0.6	71	8th	44	2nd	53.4	56.5	53.8	3.0	4.5	3.3	.327	.333	.325	80	72	78
	Deerness -	163	29.709	—	-.004	54.6	46.5	50.6	-0.7	60	17th	40	5th	52.0	—	48.8	2.8	—	1.7	.320	—	.306	82	—	88
	SUMBURGH HEAD	126	29.735	-.048	-.001	55.3	?	?	?	60	23rd	?	?	49.2	51.8	48.9	1.5	2.6	1.7	.313	.318	.304	90	82	88
	STORNOWAY -	52	29.831	-.023	-.001	59.9	47.9	53.9	+1.5	72	8th	41	28th	53.5	58.5	52.0	2.8	5.0	2.3	.334	.349	.328	81	71	84
	Wick -	80	29.787	-.055	+.003	57.7	45.2	51.5	-0.7	64	24th	34	7th	51.0	—	52.3	2.4	—	2.8	.313	—	.320	84	—	81
Mainland.	Strathpeffer -	210	29.663	—	-.005	63.1	46.3	54.7	+0.6	72	11th	40	6th, 28th	57.4	—	52.6	4.0	—	2.7	.357	—	.326	75	—	81
	Glencarron -	504	29.343	—	-.004	61.4	45.6	53.5	-0.3	78	8th	36	2nd	54.9	—	51.7	4.3	—	2.8	.317	—	.313	74	—	81
	Fort Augustus -	78	29.806	—	-.004	61.5	46.3	54.2	-0.7	74	18th	37	2nd	54.1	—	54.1	2.8	—	2.9	.341	—	.338	81	—	80
	Fort William -	38	29.842	—	-.004	64.9	47.3	56.1	+0.8	78	8th	36	2nd	56.8	—	54.1	4.8	—	3.2	.330	—	.331	71	—	79
	Dunrobin Castle	16	29.860	—	-.004	58.9	46.8	52.9	-0.3	67	9th	40	2nd	54.2	—	51.9	3.4	—	2.3	.335	—	.329	79	—	85
District Value -						61.4	46.5	53.6	+1.0	78		34													
1. SCOTLAND, E.																									
	Tillypronie -	1120	28.682	—	-.004	59.5	42.8	51.2	-0.3	71	12th	36	28th	53.7	—	49.8	4.1	—	2.1	.314	—	.309	75	—	85
	Dundee -	164	29.716	—	-.005	62.7	47.2	55.0	-0.6	78	12th	40	1st	56.8	—	51.9	3.7	—	2.0	.361	—	.336	78	—	86
	Nairn -	82	29.775	-.054	+.003	61.2	45.9	53.6	-1.1	79	8th	37	2nd	51.3	53.1	57.0	2.3	4.9	4.4	.319	.346	.341	84	71	73
	Gordon Castle	107	29.765	—	-.004	63.2	44.9	54.1	-0.8	77	9th	36	2nd	57.4	—	51.8	5.2	—	3.0	.328	—	.309	69	—	80
	Aberdeen -	90	29.798	-.063	-.005	57.5	47.4	52.5	-1.4	64	10th	41	5th	54.3	55.2	51.7	4.1	4.2	2.5	.313	.323	.319	74	74	83
	Balmoral -	927	28.867	—	—	63.2	40.9	52.1	-0.6	76	11th	30	28th	53.8	—	—	—	—	—	—	—	—	—	—	—
	Grieff -	436	29.417	—	-.004	65.8	45.8	55.8	-0.4	79	11th	37	5th, 6th	56.4	—	53.3	4.8	—	3.4	.326	—	.317	71	—	77
	Leith -	37	29.823	-.078	+.003	61.5	48.9	55.2	-0.7	73	12th	44	3rd	52.8	—	57.6	2.5	—	4.1	.333	—	.359	83	—	76
	Marchmont -	500	29.367	—	-.005	63.6	45.8	54.7	+0.7	77	12th	41	1st, 17th	57.4	—	51.8	5.0	—	2.4	.333	—	.323	70	—	84
	District Value -						62.3	45.4	53.5	-0.5	79		30												
2. ENGLAND, N.E.																									
Northern Part.	Seaham -	188	29.731	—	-.005	60.6	49.1	54.9	0.0	69	19th	41	17th	56.3	—	52.7	3.2	—	1.4	.367	—	.360	80	—	90
	Whitby -	145	29.706	—	-.006	64.7	48.4	56.6	+1.6	76	18th	43	17th	58.5	—	54.1	4.3	—	2.3	.364	—	.358	75	—	84
	Cockle Pk (Morpeth)	331	29.535	—	-.005	62.6	47.1	54.9	—	73	12th	39	17th	57.3	—	51.5	4.0	—	1.5	.360	—	.345	77	—	90
	Shields -	117	29.751	-.082	+.003	61.3	47.7	54.5	-0.1	69	21st	42	17th	53.3	—	57.3	1.9	—	3.8	.354	—	.361	87	—	76
	Durham -	352	29.496	—	-.005	64.1	47.4	55.8	+0.1	74	12th, 20th	40	17th	58.5	—	52.5	4.1	—	1.5	.374	—	.356	76	—	89
	Rounton -	245	29.602	—	-.006	63.8	47.2	55.5	+0.8	73	9th	37	17th	56.8	—	52.6	3.5	—	1.6	.361	—	.353	78	—	89
Southern Part.	Scarborough -	127	29.734	—	-.006	63.0	50.1	56.6	+1.0	69	28th	45	1st	57.4	—	54.6	3.3	—	2.8	.376	—	.350	80	—	82
	York -	53	29.831	—	-.006	67.3	50.3	58.8	+1.3	79	19th	44	17th	60.5	—	56.0	4.6	—	2.9	.386	—	.368	74	—	82
	Spurn Head -	28	29.832	-.109	+.003	61.3	51.3	56.3	+0.3	74	21st	48	1st	55.0	59.0	56.7	2.6	4.0	2.9	.359	.380	.376	83	76	82
	Lincoln -	42	—	—	—	68.3	50.5	59.4	+0.5	80	19th	45	14th	60.4	—	—	3.0	—	—	.433	—	—	82	—	—
	Skegness -	16	29.848	-.106	+.003	62.9	50.6	56.8	—	79	19th	41	14th	55.4	—	58.3	1.8	—	3.0	.381	—	.397	89	—	81
	Hull -	2	—	—	-.006	65.7	50.5	58.1	+1.2	79	21st	44	14th	59.3	—	55.3	2.8	—	1.8	.418	—	.386	83	—	86
	District Value -						64.7	49.2	56.5	+1.3	81		37												
	3. ENGLAND, E.																								
Northern Part.	Lowestoft -	75	29.799	—	-.006	62.3	51.8	57.1	+0.7	70	8th	45	27th	59.1	—	55.1	3.5	—	1.8	.396	—	.381	79	—	88
	Cromer -	139	29.715	—	-.006	63.4	50.2	56.8	—	78	21st	44	27th	57.9	—	54.1	2.8	—	1.6	.397	—	.373	83	—	89
	Hillington -	92	29.768	—	-.006	67.3	49.8	58.6	+0.8	83	19th	39	16th	59.8	—	55.0	3.0	—	1.5	.421	—	.388	82	—	90
	Norwich -	98	—	—	—	67.1	51.2	59.2	—	79	19th	41	16th	—	—	—	—	—	—	—	—	—	—	—	—
	YARMOUTH -	27	29.836	-.122	-.002	63.5	52.1	57.8	+1.2	70	10th	40	27th	56.7	60.6	56.4	2.6	4.6	1.8	.384	.388	.402	84	74	89
	Geldeston -	47	29.829	—	-.006	66.5	50.9	58.7	+1.4	79	19th	39	16th	60.5	—	55.3	4.0	—	1.6	.403	—	.392	77	—	89
Southern Part.	Cambridge -	43	29.826	—	-.006	68.8	50.6	59.7	+0.9	80	19th, 20th	42	16th	60.6	—	57.6	4.0	—	2.3	.410	—	.410	78	—	86
	CLACTON -	82	29.816	-.121	-.002	65.4	53.7	59.6	+0.7	71	6th, 21st	46	16th	57.3	62.5	58.9	2.4	3.8	2.3	.407	.440	.426	84	78	86
	Woburn -	294	29.592	—	-.006	66.8	49.8	58.3	—	78	20th	39	15th	59.3	—	56.7	3.6	—	2.0	.399	—	.406	79	—	87
	Bennington -	411	29.489	—	-.006	67.5	50.4	59.0	+1.2	79	20th	43	27th	59.1	—	56.6	3.7	—	2.4	.389	—	.388	78	—	85
	Berkhamsted -	397	29.483	—	-.006	68.0	50.1	59.1	+1.4	79	20th	41	15th	59.0	—	56.4	3.8	—	2.0	.385	—	.396	77	—	87
	District Value -						66.5	51.3	58.5	+1.5	83		39												
4. MIDLAND COS.																									
Eastern Part.	Garforth -	198	—	—	-.006	66.6	46.4	56.5	—	78	19th	35	17th	59.1	—	56.4	4.4	—	3.3	.376	—	.365	75	—	80
	Huddersfield -	411	29.450	—	-.006	65.3	49.6	57.5	—	78	12th, 19th	43	1st	57.0	63.0	55.5	3.3	5.7	2.5	.369	.395	.370	79	69	84
	Wakefield -	100	29.772	—	-.006	67.6	49.8	58.7	+1.9	78	19th	43	17th	58.9	—	59.0	3.9	—	3.3	.381	—	.399	77	—	80
	Belvoir Castle	276	29.597	—	-.006	67.3	50.0	58.7	+0.8	79	19th	42	15th	58.3	—	56.4	3.9	—	2.7	.373	—	.377	76	—	83
	Coventry -	309	29.558	—	—	68.7	50.9	59.8	+1.0	80	20th	44	14th, 15th	60.2	—	—	3.1	—	—	.370	—	—	71	—	—
	NOTTINGHAM	35	29.786	-.109	-.002	67.8	50.2	59.0	+0.7	80	20th	41	15th	55.6	65.3	57.7	2.4	6.8	2.9	.375	.402	.392	84	65	82
	Birmingham -	542	29.314	—	-.006	66.7	51.0	58.9	+1.5	79	20th	45	26th	55.6	—	58.5	3.1	—	4.2	.361	—	.398	81	—	76
	Oxford -	212																							

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of JUNE, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Hrs. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
—	—	251	—	48	—	7.3	7.2	7.5	2.27	—	0.67	12th	13	0	0	1	0	14	7	—	0	23	2	6	15	17	14	4	3	7	22	Castlebay (Isd.)	
—	—	176	+22	33	+5	7.0	—	6.3	1.07	-0.78	0.36	28th	7	0	0	1	1	12	4	—	0	22	2	6	11	10	13	4	1	7	6	Deerness.	
—	—	—	—	—	—	7.4	6.1	6.9	1.78	-0.07	1.30	13th	9	0	0	0	1	11	4	—	1	19	5	11	21	8	9	3	2	19	12	Sumburgh Head.	
—	—	230	+45	43	+8	6.5	6.0	6.1	2.49	+0.05	0.70	20th	17	0	1	1	4	8	0	—	0	34	4	9	25	14	9	10	5	8	6	Stornoway.	
—	—	—	—	—	—	7.2	—	7.2	0.94	-0.87	0.25	29th	13	0	0	0	0	14	4	—	1	12	2	16	1	17	3	15	2	3	2	Wick.	
—	—	159	-2	30	-1	7.2	—	6.5	1.08	-1.00	0.21	21st	15	0	0	1	2	10	0	—	0	12	21	2	3	13	6	3	5	4	3	Strathpeffer.	
—	—	—	—	—	—	7.1	—	6.2	2.51	-1.53	0.53	29th	15	0	0	2	3	12	1	—	0	15	0	15	0	25	0	1	0	19	0	Glencarron.	
—	—	160	+25	30	+4	7.2	—	6.5	1.27	-0.72	0.29	20th	12	0	0	3	3	12	0	—	0	27	2	4	32	2	0	2	15	2	1	Fort Augustus.	
—	—	—	—	—	—	6.8	—	6.4	1.08	-2.72	0.34	21st	14	0	0	2	4	13	1	—	0	8	17	1	17	0	0	0	12	10	3	Fort William	
56.8	—	—	—	—	—	7.4	—	6.6	0.75	-1.33	0.19	29th	12	0	0	0	2	14	1	—	0	4	2	5	6	20	8	4	2	4	9	Dunrobin Castle.	
—	—	181	+25	34	+5	7.1	6.4	6.6	1.59	-1.17	1.30	14th	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	6.5	—	5.5	1.37	-0.97	0.17	12th, 21st	15	0	0	3	2	9	2	0	1	29	0	13	12	2	18	0	3	3	9	9	Tillypronie.
—	—	—	—	—	—	6.8	—	7.7	1.35	-0.73	0.55	28th	10	0	0	2	0	10	2	—	1	5	0	1	14	5	17	1	13	1	8	1	Dundee.
—	—	176	—	31	—	6.9	6.3	6.6	1.52	-0.34	0.43	29th	16	0	0	2	0	10	3	—	0	1	22	0	16	30	2	0	1	16	3	Nairn.	
—	—	186	—	35	—	7.6	—	6.4	1.19	-0.98	0.26	29th	13	0	0	1	2	16	0	—	0	1	0	6	11	1	14	6	7	3	12	Gordon Castle.	
—	50.5	183	-4	35	-1	7.0	5.6	5.8	0.68	-1.17	0.17	22nd	15	0	0	0	3	11	5	—	0	9	13	5	15	13	13	12	1	6	12	Aberdeen.	
—	—	—	—	—	—	6.4	—	—	1.41	-0.97	0.28	21st	16	0	0	4	5	12	1	4	0	10	0	0	2	4	8	10	6	28	2	Balmoral.	
—	—	—	—	—	—	6.9	—	5.3	1.57	-1.33	0.56	21st	11	0	1	4	2	8	0	—	0	12	0	5	1	32	2	0	1	19	0	Crieff.	
—	—	—	—	—	—	6.9	—	5.5	0.84	-1.08	0.15	20th	15	0	0	2	2	4	1	—	0	8	0	6	19	11	2	0	5	12	5	Leith.	
56.8	—	222	+37	43	+7	6.0	—	5.3	0.85	-1.59	0.17	2nd	11	0	0	3	5	8	1	0	0	0	0	0	10	4	20	0	2	4	15	5	Marchmont.
—	—	190	+9	36	+1	6.8	—	6.0	1.23	-0.95	0.59	14th	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	6.9	—	7.7	1.83	-0.14	0.40	2nd	15	0	0	4	0	11	2	—	0	10	5	14	5	8	4	1	5	13	5	Seaham.	
—	—	164	—	32	—	6.7	—	7.1	1.49	-0.47	0.31	24th	13	0	0	3	2	9	3	—	0	1	1	1	4	0	18	1	10	1	24	Whitby.	
58.2	53.3	217	—	42	—	5.9	—	7.2	0.95	-1.31	0.32	30th	10	0	0	6	1	7	0	0	0	10	4	4	11	1	11	2	0	9	18	Cockle Pk (Mor-	
—	—	—	—	—	—	6.4	—	7.1	1.46	-0.38	0.30	24th	16	0	0	0	2	13	3	—	0	6	7	10	12	4	4	1	11	7	4	Shields. [peth.]	
—	—	184	+13	36	+2	8.0	—	8.2	2.39	+0.43	0.81	2nd	13	0	0	4	1	18	0	0	0	6	18	6	9	3	2	5	4	9	4	Durham.	
57.4	—	—	—	—	—	7.4	—	7.7	1.81	-0.38	0.42	12th	13	0	0	5	2	16	6	0	0	9	6	8	18	0	3	7	7	5	6	Rounton.	
—	55.1*	158	—	31	—	7.0	—	8.4	1.58	-0.38	0.55	24th	12	0	0	1	0	11	9	?	0	18	0	3	25	2	8	0	9	1	12	Scarborough.	
57.7	53.1	166	-10	33	-2	6.8	—	6.9	2.07	-0.04	0.63	30th	10	0	1	4	2	12	0	—	0	0	0	7	10	8	3	5	5	19	3	York.	
—	—	—	—	—	—	6.9	7.3	7.0	0.91	-0.60	0.20	27th	10	0	0	4	0	9	4	—	1	51	0	23	14	10	10	6	10	8	9	Spurn Head.	
58.8	53.4	—	—	—	—	6.2	—	3.7	1.63	-0.44	0.33	24th	11	0	0	0	8	8	0	—	0	1	30	3	1	10	2	0	7	5	2	Lincoln.	
—	—	180	—	36	—	6.3	—	6.1	2.13	—	0.91	25th	11	0	0	0	3	11	3	—	0	17	0	13	14	6	5	2	7	9	4	Skegness.	
58.6	51.8	137	—	27	—	6.8	—	6.7	3.02	+1.04	1.43	24th	13	0	0	5	2	12	0	0	0	4	4	5	19	3	12	0	3	6	8	Hull.	
58.8	52.9	183	-5	36	-1	6.8	—	7.0	1.61	-0.22	1.48	12th	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
61.0	56.0	224	—	45	—	5.6	—	4.2	3.48	+1.72	0.83	22nd	13	0	1	7	4	5	6	0	0	27	1	8	14	2	3	4	9	10	9	Lowestoft.	
—	—	194	—	39	—	7.0	—	7.5	1.12	—	0.27	22nd, 27th	18	0	0	0	1	12	6	—	0	18	0	4	11	6	2	10	7	4	16	Cromer.	
—	—	183	-14	37	-3	7.5	—	6.9	1.85	-0.40	0.51	22nd	13	0	1	6	1	13	1	0	0	0	11	2	18	3	2	1	10	6	7	Hillington.	
—	—	—	—	—	—	—	—	—	1.88	—	0.42	22nd	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
62.8	58.0	242	—	49	—	5.5	5.6	5.7	2.54	+0.64	1.10	22nd	10	0	0	5	0	0	5	—	0	28	2	9	21	7	7	5	13	13	13	Yarmouth.	
—	—	210	+1	42	0	7.3	—	6.0	3.13	+1.29	0.68	25th	13	0	0	7	4	13	0	—	0	0	2	10	9	7	2	7	6	11	6	Geldeston.	
60.6	56.2	192	-7	39	-1	8.5	—	5.8	1.52	-0.72	0.41	25th	13	0	0	6	3	15</															

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	S. STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
		Ft.	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	°	In.	In.	In.	%	%	%			
5. ENGLAND, S.E.—cont.	Eastbourne	36	29.868	—	—	64.4	53.4	58.9	+0.5	73	6th	46	16th	59.9	—	58.2	3.5	—	2.6	4.12	—	4.13	80	—	84
	Dungeness	21	29.841	—	—	63.6	52.8	58.2	+0.5	70	19th, 20th	46	16th, 19th	57.5	61.2	59.8	2.3	3.6	2.8	4.05	4.25	4.26	85	79	83
	Hastings	174	29.714	—	—	64.9	53.3	59.1	+1.3	74	20th	46	16th	60.1	—	57.3	3.6	—	2.4	4.08	—	3.99	79	—	84
	Southampton	84	29.819	—	—	68.0	52.0	60.5	+0.8	76	12th	45	14th	61.3	—	58.5	4.3	—	2.6	4.14	—	4.13	76	—	84
	Ventnor	80	29.805	—	—	65.3	53.1	59.2	+0.6	71	12th	47	27th	60.1	—	—	3.6	—	—	4.08	—	—	79	—	—
District Value						66.6	52.1	58.9	+1.0	84		35													
LONDON	Tottenham	55	29.822	—	—	60.3	53.2	61.3	+2.0	80	19th	46	15th	62.2	—	59.5	3.3	—	1.8	4.56	—	4.55	82	—	89
	Hampstead	450	29.416	—	—	66.9	51.9	59.4	—	78	19th	44	27th	59.3	—	57.6	3.6	—	2.2	3.96	—	4.13	79	—	86
	Camden Square	123	29.765	—	—	72.3	53.2	62.8	+1.9	84	20th	46	27th	62.1	—	59.6	4.9	—	3.1	4.04	—	4.15	73	—	82
	Westminster	51	29.819	—	—	68.0	53.4	61.2	+1.3	79	19th, 20th	46	27th	57.9	—	65.0	2.6	—	6.1	4.03	—	4.15	84	—	68
	Greenwich	159	29.720	—	—	71.0	51.6	61.3	+1.0	82	20th	44	16th	61.5	—	58.1	4.6	—	2.6	4.02	—	4.06	74	—	84
	Norwood	235	29.644	—	—	69.7	52.6	61.2	+1.9	81	19th	45	27th	61.4	—	58.8	5.1	—	3.0	3.85	—	4.04	71	—	81
	Kew	34	29.861	—	—	68.9	53.6	61.3	+2.1	81	20th	47	15th	60.9	66.5	60.3	4.5	7.3	3.7	3.95	4.07	4.08	74	63	79
	Bunhill Row	—	29.852	—	—	—	—	60.7	+1.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Eskdalemuir	778	29.052	—	—	62.6	43.8	53.2	—	74	10th	32	15th	57.6	59.2	49.7	5.3	5.7	1.8	3.34	3.46	3.15	69	69	87
SCOT. LAND, W.	Poitalloch	135	29.721	—	—	66.3	47.5	56.9	+0.9	76	9th	37	2nd, 15th	56.9	—	54.7	—	—	—	—	—	—	—	—	—
	Glasgow	184	29.676	—	—	64.0	48.9	56.5	+0.7	73	10th	43	2nd	56.2	—	54.3	4.3	—	3.8	3.39	—	3.26	74	—	76
	Rothesay	76	29.804	—	—	66.0	47.4	56.7	+0.8	76	10th	41	2nd	56.2	—	52.3	3.6	—	2.5	3.52	—	3.27	78	—	83
	Colmonell	150	29.720	—	—	64.4	48.7	56.6	+1.2	78	7th	40	3rd, 12th	57.9	62.5	—	3.6	5.7	—	3.76	3.88	—	78	69	—
	Dumfries	155	29.726	—	—	65.9	48.9	57.4	+0.3	76	10th	43	15th	58.0	—	53.7	4.3	—	2.2	3.60	—	3.52	75	—	86
ISLE OF MAN	Gally, Gatehouse	120	—	—	—	65.4	48.5	57.0	+1.4	75	20th	41	3rd	59.0	—	54.3	2.9	—	2.7	4.10	—	3.47	83	—	82
	Douglas	284	29.582	—	—	61.5	49.4	55.5	+0.1	73	7th	44	1st	55.1	—	53.2	2.2	—	1.4	3.76	—	3.70	86	—	91
District Value						64.8	48.3	56.2	+0.9	79		32													
ENG- LAND, N.W.	Southport	42	29.843	—	—	64.5	51.1	57.8	+0.9	73	7th	46	17th	59.7	61.7	56.4	4.1	5.2	2.5	3.88	3.89	3.82	76	71	84
	Manchester (City)	195	29.674	—	—	66.9	52.9	59.9	—	80	20th	46	26th	59.5	—	58.8	4.7	—	3.5	3.76	—	3.86	74	—	77
	„ (Whitworth Pk)	127	29.716	—	—	66.7	51.3	59.3	—	78	20th	45	1st	59.3	64.9	58.1	3.6	—	2.3	3.96	—	4.14	81	70	86
	Darwen	730	29.108	—	—	64.8	48.1	56.5	—	76	9th	41	26th	58.1	—	55.0	3.9	—	2.1	3.74	—	3.77	77	—	86
	Aspatia	254	29.610	—	—	65.1	48.9	57.0	+1.3	78	20th	42	17th	59.3	—	54.0	4.5	—	2.1	3.72	—	3.57	73	—	85
	Newton Rigg	559	29.269	—	—	66.7	46.3	56.5	+1.4	79	10th	41	19th, 20th	58.0	—	54.9	3.2	—	2.0	3.88	—	3.75	80	—	87
	Stonyhurst	363	29.493	—	—	64.9	49.9	57.4	+0.8	78	9th	43	3rd	58.3	—	56.0	4.1	—	3.3	3.73	—	3.60	76	—	80
	Blackpool	73	29.799	—	—	64.2	50.3	57.3	+0.5	77	20th	45	4th	60.4	—	55.2	4.1	—	2.0	3.98	—	3.79	76	—	87
	M'ch't'r (Prestwich)	320	29.530	—	—	66.2	50.3	58.3	+1.6	78	19th	44	26th	58.7	—	57.1	3.4	—	2.6	3.92	—	3.90	79	—	83
	Liverp'l, Bidston Obs.	197	29.665	—	—	64.4	51.5	58.0	+0.4	77	20th	46	1st	58.2	—	56.0	4.2	—	2.9	3.64	—	3.68	75	—	82
NORTH WALES	Llandudno	21	29.850	—	—	64.8	51.5	58.2	+0.6	81	20th	47	1st	59.2	—	57.2	4.0	—	2.9	3.83	—	3.83	76	—	82
	HOLYHEAD	48	29.826	—	—	61.4	50.8	56.1	+0.3	76	20th	46	1st	55.1	59.3	54.3	1.3	3.1	1.0	3.96	4.09	3.93	91	81	93
	Bettws-y-Coed	100	29.745	—	—	65.9	50.6	58.3	+0.2	79	20th	40	14th	59.7	—	56.9	3.9	—	1.9	3.94	—	4.06	77	—	88
	Llaneugrad	310	29.568	—	—	62.2	49.7	56.0	—	77	20th	43	14th	56.9	—	54.2	3.2	—	2.2	3.75	—	3.63	81	—	86
	District Value					65.0	50.2	57.1	+0.9	81		40													
SOUTH WALES	Llangamarch Wells	585	29.248	—	—	64.5	47.8	56.2	+0.6	78	19th	34	14th	57.0	—	—	2.6	—	—	3.88	—	—	83	—	—
	PEMBROKE	150	29.715	—	—	60.1	51.2	55.7	+0.4	70	20th	47	14th	54.0	57.0	55.0	1.2	2.1	1.1	3.82	4.02	4.00	92	86	92
	Clifton	229	—	—	—	67.2	52.7	60.0	+0.6	81	20th	47	14th	—	—	—	—	—	—	—	—	—	—	—	—
	PORTLAND BILL	23	29.858	—	—	60.8	52.8	56.8	+1.3	67	6th	50	3, 8, 19th	55.6	58.8	56.1	1.3	1.9	1.4	4.05	4.37	4.10	91	88	90
	Plymouth	116	29.787	—	—	64.0	52.4	58.2	+0.6	76	20th	46	14th, 15th	59.4	61.8	56.8	5.3	4.4	2.3	4.09	4.17	3.96	81	76	86
ENG- LAND, S.W.	Falmouth	183	29.738	—	—	62.1	52.7	57.4	+0.2	66	23rd	48	3rd	58.2	60.5	55.5	2.9	4.2	1.6	3.98	3.97	3.95	82	76	89
	Woolacombe	79	29.791	—	—	63.3	52.5	57.9	+1.8	76	20th	48	3rd	57.8	—	56.0	3.3	—	2.4	3.81	—	3.78	80	—	84
	Whitchurch	595	29.268	—	—	63.5	50.1	56.8	—	77	20th	46	19th	58.0	—	54.0	2.7	—	1.5	4.01	—	3.74	83	—	89
	District Value					63.9	51.0	57.0	0.0	81		34													
	Malin Head	230	29.609	—	—	59.6	49.6	54.6	+0.2	74	20th	45													

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of JUNE, 1910.

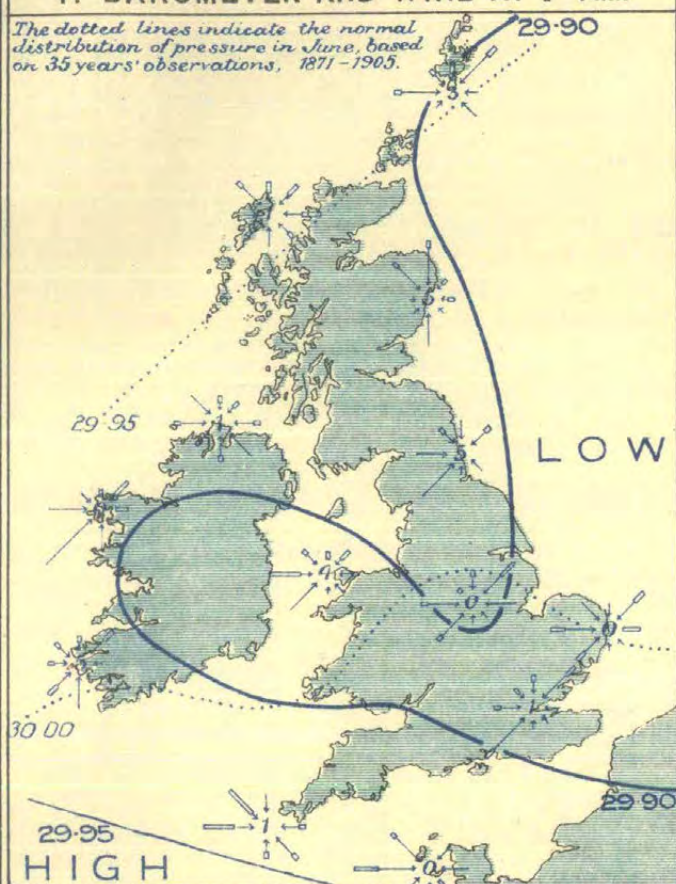
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																						
61.4	56.9	238	+ 16	49	+ 3	6.6	—	5.3	2.02	+0.06	0.45	5th	14	0	0	3	6	12	0	—	0	0	6	7	8	3	3	2	16	9	6	Eastbourne.	
—	—	—	—	—	—	7.8	6.9	6.3	2.05	+0.52	0.64	9th	18	0	0	4	0	6	9	—	0	42	0	6	13	14	4	11	28	11	3	Dungeness.	
61.9	56.2	222	- 7	46	- 1	6.9	—	6.3	1.56	+0.33	0.41	9th	14	0	0	7	6	13	5	0	0	20	2	8	12	7	3	4	14	8	2	Hastings.	
—	—	185	- 27	38	- 5	6.3	—	6.2	3.42	-1.33	1.00	5th	14	0	1	5	4	12	1	0	0	21	0	0	13	0	6	0	26	0	15	Southampton.	
—	—	201	+ 5	41	+ 1	7.1	—	—	2.00	+0.10	0.47	9th	12	0	0	3	3	13	2	—	0	16	3	7	1	11	4	0	16	13	5	Ventnor.	
61.2	56.8	193	- 18	40	- 3	7.1	—	6.1	2.57	+0.70	1.90	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	56.4	189	—	39	—	7.7	—	6.3	2.24	—	0.56	25th	12	0	0	6	2	15	0	0	0	2	2	11	7	6	5	3	14	10	2	Tottenham.	
—	—	185	—	38	—	7.4	—	5.9	2.11	—	0.75	25th	12	0	0	6	2	10	0	—	0	5	5	9	8	6	0	5	13	6	8	Hampstead.	
61.7	55.1	159	—	33	—	7.5	—	—	2.17	-0.12	0.63	25th	13	0	0	2	6	17	0	—	—	3	7	5	0	0	1	3	6	5	5	Camden Square.	
—	—	156	- 11	32	- 2	6.7	—	6.2	1.93	-0.28	0.49	25th	14	0	0	4	3	10	0	0	0	16	5	6	9	4	3	2	17	7	7	Westminster.	
—	57.5	185	- 12	37	- 3	8.5	—	6.6	2.08	+0.04	0.77	25th	13	0	1	4	2	17	1	0	0	4	5	10	7	6	2	4	17	5	4	Greenwich.	
60.4	—	—	—	—	—	7.9	—	6.4	2.75	+0.38	0.90	25th	15	0	0	3	4	14	2	0	0	0	10	4	7	7	2	4	11	10	5	Norwood.	
60.6	55.0	164	- 32	34	- 6	7.6	7.0	6.6	2.66	+0.44	0.76	25th	13	0	1	4	1	15	0	0	0	9	14	9	9	8	5	5	20	14	6	Kew.	
—	—	155	- 22	32	- 4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.	
—	—	142	—	29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.
—	—	195	—	38	—	7.2	7.5	6.8	2.50	—	0.81	28th	12	0	0	0	1	11	0	—	0	32	20	5	20	2	6	2	20	9	6	Esksdalemuir.	
—	—	—	—	—	—	7.5	—	5.3	1.72	-1.50	0.41	27th	16	0	0	1	2	13	3	—	0	8	11	0	2	4	8	5	8	15	7	Poltalloch.	
—	—	175	+ 10	34	+ 2	8.5	—	6.4	2.11	-0.72	0.45	20th	14	0	0	5	0	12	0	0	0	6	9	1	6	22	0	0	7	12	3	Glasgow.	
—	51.9	—	—	—	—	6.6	—	5.1	3.01	-0.23	1.34	20th	12	0	0	3	5	11	9	—	0	20	18	2	0	24	0	0	0	10	6	Rothsay.	
—	—	—	—	—	—	6.8	—	—	1.38	-1.19	0.41	20th	12	0	0	3	6	14	2	0	0	24	4	0	2	10	6	6	6	18	8	Colmonell.	
59.5	55.6	211	—	41	—	7.5	—	6.6	1.88	-0.60	0.70	20th	8	0	0	4	2	12	1	0	0	12	7	3	9	2	7	1	22	1	8	Dumfries.	
—	—	—	—	—	—	—	—	—	2.47	-0.66	0.46	20th	14	0	0	3	—	—	0	—	0	6	0	0	2	2	14	11	14	3	14	8	Cally.
—	—	223	+ 3	44	0	7.7	—	6.8	2.19	-0.34	0.73	20th	15	0	0	5	2	18	10	—	0	14	3	1	9	9	8	4	7	12	7	Douglas.	
—	—	199	+ 8	39	+ 2	7.4	—	6.2	2.03	-0.80	1.84	—	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
61.3	57.3	217	+ 10	43	+ 2	6.7	5.9	6.7	2.95	+0.79	0.69	29th	15	0	0	8	1	7	0	0	0	40	6	3	12	11	7	4	4	24	19	Southport.	
58.6	54.2	134	—	27	—	4.7	—	4.4	3.56	+0.69	0.80	22nd	14	0	0	4	1	0	0	0	0	2	2	10	10	4	4	9	11	7	3	Manchester (City).	
—	—	141	—	28	—	7.0	6.5	6.0	3.53	—	1.24	22nd	13	0	0	4	1	10	1	0	0	8	7	4	18	7	8	15	8	14	9	" (Whit. Pk.).	
58.9	52.4	156	—	31	—	7.4	—	7.2	3.48	—	0.61	24th	16	0	0	6	0	11	0	0	1	18	0	0	12	1	8	8	4	14	13	Darwen.	
58.4	51.7	215	—	42	—	6.0	—	6.4	1.39	-1.08	0.35	24th	14	0	0	2	2	7	0	0	0	10	6	8	12	2	2	0	8	15	7	Aspatia.	
58.7	53.1	197	- 12	39	- 2	5.8	—	5.9	1.37	-0.67	0.27	28th	14	0	1	2	3	8	2	0	0	5	16	2	4	5	11	4	6	10	2	Newton Rigg.	
—	—	152	- 44	30	- 9	7.2	—	6.0	4.03	+0.85	1.20	9th	13	0	0	6	1	9	0	0	0	3	24	1	10	4	2	0	6	11	2	Stonyhurst.	
58.0	52.3	231	+ 32	46	+ 6	6.6	—	7.3	2.50	+0.28	0.56	27th	15	0	0	6	1	10	1	0	0	19	0	3	9	8	6	3	4	11	16	Blackpool.	
—	—	145	- 24	29	- 5	8.4	—	9.3	3.23	+0.41	0.53	27th, 29th	13	0	1	5	0	23	0	0	0	13	6	6	10	8	1	5	5	18	1	Manch'at r (Prest).	
—	—	205	—	41	—	5.6	—	6.3	2.60	+0.43	0.38	29th	19	0	1	9	2	8	0	—	0	11	2	3	7	7	11	1	5	14	10	Liver'pol, Bid. Obs.	
—	—	205	+ 1	41	0	5.5	—	5.3	2.37	+0.40	0.37	29th	15	0	0	4	5	6	0	—	0	4	1	3	5	8	1	1	11	21	9	Llandudno.	
—	—	—	—	—	—	7.7	7.6	7.3	2.48	+0.29	0.85	5th	14	0	0	5	0	9	10	—	0	27	6	3	10	7	3	6	26	15	14	Holyhead.	
57.2	52.2	152	—	31	—	6.6	—	6.7	3.31	—	0.67	28th	19	0	0	2	1	7	0	0	0	10	0	1	1	9	9	3	18	14	5	Bettws-y-Coed.	
60.1	53.8	233	—	47	—	7.1	—	6.2	2.48	—	0.51	27th	14	0	0	5	2	10	1	0	0	29	10	0	8	6	1	5	12	16	2	Llanegwad.	
58.9	53.4	160	- 7	38	- 1	6.6	6.7	6.5	2.86	+0.34	1.24	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
56.6	51.7	150	—	31	—	8.6	—	—	5.60	—	1.46	5th	18	0	0	4	2	24	0	1	0	3	9	1	3	4	0	1	4	2	6	Llangamm. Wells.	
—	—	189	- 37	39	- 7	8.0	6.3																										

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, JUNE, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Day.					
			Max.	Min.																			
		Ft.	°	°	°	°	°	°	°	°	°								Hrs.	Hrs.	%	%	
0. SCOTLAND, N.																							
	p Balta Sound	31	55.5	44.6	50.1	—	60	8, 12, 29	38	7th, 8th	53.1	—	—	1.42	—	0.75	13th	12	230	—	41	—	
	p Crathes	140	63.1	44.8	54.0	—	72	9, 10, 12	35	3rd	55.9	51.4	1	0.62	—	0.17	1st	10	179	—	34	—	
	p Stonehaven	86	59.5	46.3	52.9	—	73	12th	38	3rd	—	—	—	0.78	—	0.29	29th	10	189	—	36	—	
1. SCOTLAND, E.																							
	p Balruddery	276	64.1	44.8	54.5	—	79	12th	36	3rd	—	—	—	1.83	—	0.58	28th	12	202	—	39	—	
	Edinburgh	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a West Linton	800	62.0	43.8	52.9	- 0.6	70	8, 12, 18	34	15th	—	—	2	1.78	—	0.59	9th	16	183	—	36	—	
	a Alnwick Castle	210	63.4	47.8	55.6	+ 1.2	74	12th	38	17th	—	—	—	0.89	- 1.16	0.22	12th	11	—	—	—	—	
	p Newcastle-on-Tyne	152	63.8	50.6	57.2	—	72	12th	43	17th	—	—	—	1.61	- 0.37	0.36	24th	14	161	+ 19	32	+ 4	
2. ENGLAND, N.E.																							
	p Ampleforth	349	64.9	48.8	56.9	—	75	19th	38	5th	—	—	—	2.97	—	0.80	24th	10	—	—	—	—	
	p Tealby	251	64.0	50.0	57.0	+ 0.4	77	19th	44	17th	—	—	—	3.18	+ 1.12	0.70	24th	11	—	—	—	—	
	a Fulbeck	180	69.4	50.1	59.8	+ 1.4	81	20th	42	14th	—	—	0	1.71	- 0.27	0.44	30th	9	—	—	—	—	
	a Rauceby	124	67.7	49.6	58.7	—	79	19th	42	1st	62.2	54.4	0	1.73	- 0.18	0.49	7th	9	190	—	38	—	
	a Felixstowe	10	65.3	53.4	59.4	+ 1.4	71	6th	43	16th	—	—	—	1.89	—	0.47	10th	15	240	—	49	—	
3. ENGLAND, E.																							
	a Rothamsted	424	67.2	50.3	58.8	+ 1.3	79	20th	43	4th	—	—	—	2.70	+ 0.42	0.78	9th	13	186	7	38	- 1	
	a Shoburness	13	66.5	53.1	59.8	+ 0.3	74	21st	46	16th	—	—	—	1.99	+ 0.20	0.66	10th	15	—	—	—	—	
	a Southend-on-Sea	90	67.2	53.7	60.5	—	77	21st	46	16th	61.6	—	0	2.44	+ 0.39	0.85	10th	13	186	—	38	—	
	a Harrogate	476	65.0	47.8	56.4	+ 0.9	76	19th	41	1st, 17th	55.6	53.2	0	2.95	+ 0.50	0.79	22nd	13	186	—	37	—	
	a Bradford	439	63.8	49.4	56.6	—	76	20th	43	4th	56.9	50.9	0	3.45	—	1.01	24th	13	163	—	32	—	
	a Cheadle	646	65.7	49.4	57.6	+ 1.7	77	20th	41	26th	—	—	0	1.77	- 1.02	0.52	24th	15	—	—	—	—	
	a Bawtry	65	68.7	48.9	58.8	+ 0.9	82	21st	40	17th	—	—	—	2.13	+ 0.08	0.79	7th	12	—	—	—	—	
	a Worksop	56	68.9	49.1	59.0	+ 1.4	80	19th	38	17th	58.9	54.6	0	2.00	- 0.07	0.46	7th	13	155	- 10	31	- 2	
4. MIDLAND COUNTIES																							
	a Mayfield (Staffs.)	374	65.9	48.2	57.1	—	77	19th	38	17th	—	—	0	2.32	—	0.67	24th	14	—	—	—	—	
	a Belper	222	68.5	50.3	59.4	—	80	19th	41	4th	—	—	0	1.47	—	0.35	7th	12	—	—	—	—	
	a Kingston-on-Soar	125	68.0	49.2	58.6	—	79	20th	37	15th	58.3	—	—	1.45	—	0.57	29th	11	—	—	—	—	
	p Rugby	379	68.4	49.2	58.8	+ 1.3	80	20th	41	15th	—	—	0	0.98	—	0.28	24th	8	—	—	—	—	
	a Raunds	210	69.7	49.8	59.8	+ 1.5	83	19th	41	14th	60.0	—	0	1.12	—	0.53	25th	13	—	—	—	—	
	a Winslow	379	69.4	50.7	60.1	—	82	20th	43	15th	—	—	—	2.29	—	0.71	9th	11	—	—	—	—	
	a Hereford	291	67.6	49.8	58.7	+ 0.4	79	20th	40	31d	—	—	0	4.14	+ 1.92	0.75	10th	16	—	—	—	—	
	a Cirencester	446	66.9	48.9	57.9	+ 0.8	78	20th	41	3, 4, 14	58.6	54.1	0	4.19	+ 1.80	1.37	7th	15	168	- 27	34	- 6	
	a Epsom	160	69.1	52.0	60.6	—	81	19th	41	15th	—	—	0	1.80	—	0.44	10th	14	—	—	—	—	
	a Wokingham	216	68.3	49.2	58.8	—	78	19th, 20th	35	15th	—	—	—	3.24	—	1.05	9th	12	—	—	—	—	
	a Maidenhead	112	71.6	51.6	61.6	—	84	20th	41	4th	—	—	0	4.81	+ 2.53	1.90	9th	11	—	—	—	—	
	a Marlborough	424	66.3	49.0	57.7	+ 0.5	77	19th, 20th	37	4th	—	—	0	4.72	+ 2.26	0.91	5th	17	168	- 14	34	- 3	
	a Bucklebury	409	66.9	50.0	58.5	—	77	20th	41	15th	—	—	1	3.78	—	1.15	9th	15	—	—	—	—	
	a Swaraton	310	67.0	49.9	58.5	+ 1.7	77	19th	39	4th	—	—	—	3.31	+ 1.04	0.56	9th	13	—	—	—	—	
	a Margate	85	65.7	53.3	59.5	+ 1.4	75	20th	50	15, 16, 30	59.6	55.4	0	2.94	+ 1.05	0.87	10th	16	173	- 13	35	- 3	
	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	205	—	42	—	
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	207	—	42	—	
	a Wisley	150	68.9	51.8	60.4	+ 1.3	80	19th, 20th	42	15th	60.8	56.5	0	1.34	—	0.41	9th	13	175	—	36	—	
5. ENGLAND, S.E.																							
	a Basingstoke	289	67.4	50.8	59.1	—	77	20th	41	4th	59.4	—	0	4.25	—	0.89	7th	13	—	—	—	—	
	a Dover	231	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Tunbridge Wells	421	67.5	51.0	59.3	+ 1.2	79	20th	43	15th	62.1	—	0	1.71	- 0.58	0.30	9th	15	189	- 11	39	- 2	
	a Matfield	320	67.1	51.2	59.2	—	78	20th	44	16th	—	—	0	2.43	—	0.53	25th	14	—	—	—	—	
	p Folkestone	121	64.7	52.2	58.5	—	74	20th	46	16th	—	53.1	—	2.92	+ 0.99	—	—	—	214	—	44	—	
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	214	—	44	—	
	a Bexhill	27	64.3	53.9	59.1	—	70	6th, 20th	47	16th	61.7	—	0	1.74	—	0.41	5th	13	208	—	43	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	211	—	43	—	
	a Worthing	36	65.6	53.0	59.3	+ 1.1	73	8th	46	4th	62.5	56.4	0	2.05	+ 0.16	0.59	5th	14	222	—	46	—	
	a Bognor	20	64.8	53.0	58.9	—	71	12th	45	4th	—	53.7	0	1.78	—	0.75	10th	10	209	—	43	—	
	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	217	—	45	—	
	a Totland Bay	140	64.2	52.5	58.4	+ 0.9	72	8th	47	4th	—	—	0	3.29	+ 1.28	1.07	9th	12	211	—	43	—	
	a Sandown	20	67.1	53.3	60.2	—	73	12th	47	27th	—	—	—	2.42	—	0.74	5th	12	212	—	44	—	
	p Bournemouth	145	66.0	52.2	59.1	—	74	8th	42	4th	60.2	57.8	—	3.36	—	1.16	9th	10	213	—	44	—	
	p Oban	20	64.5	47.6	56.1	—	79	8th	38	2nd	—	—	0	1.72	—	0.34	21st	16	194	—	37	—	
6. SCOTLAND, W.																							
	a Thorntonhall (Lanarkshire)	440	63.7	45.8	54.8	—	73	16th	37	26th	—	—	0	1.84	—	0.43	20th	15	180	—	35	—	
	a Kilmarnock	90	64.9	46.8	55.9	- 0.1	75	20th	37	3rd	—	—	—	1.45	—	0.35	20th	12	165	—	32	—	
	p Ruthwell	67	66.2	48.4	57.3	—	79	20th	40	15th	—	—	—	1.31	—	0.33	20th, 24th	13	219	—	43	—	
	a Carnforth	174	65.2	49.9	57.6	—	78	10th	42	26th	—	—	0	2.29	—	0.60	24th	16	193	—	38	—	
	a Lancaster	311	65.0	51.1	58.1	—	76	9th, 10th	44	26th	59.6	57.6	0	2.37	—	0.66	27th	14	169	—	33		

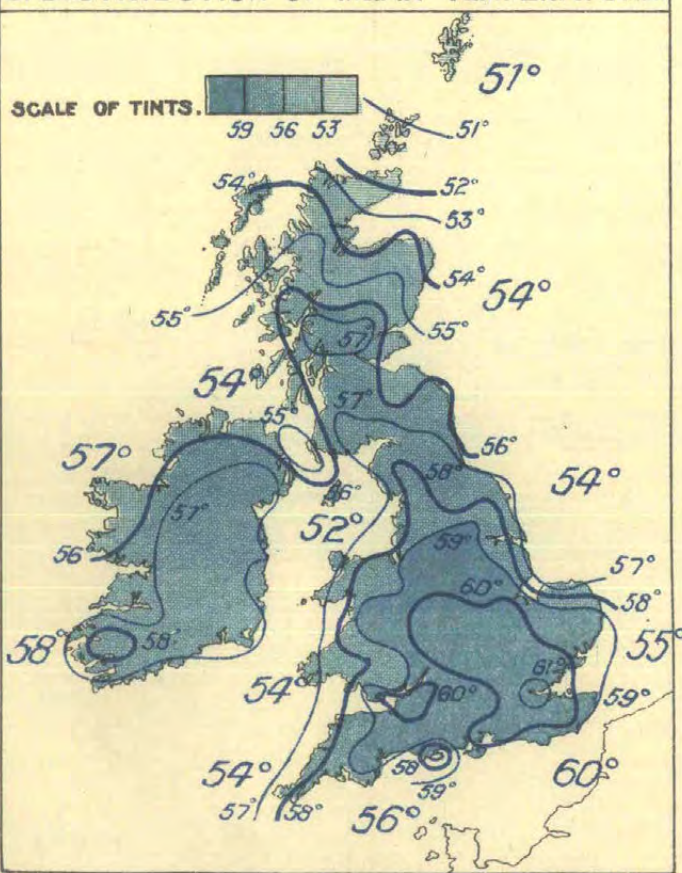
1. BAROMETER AND WIND AT 7 A.M.

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



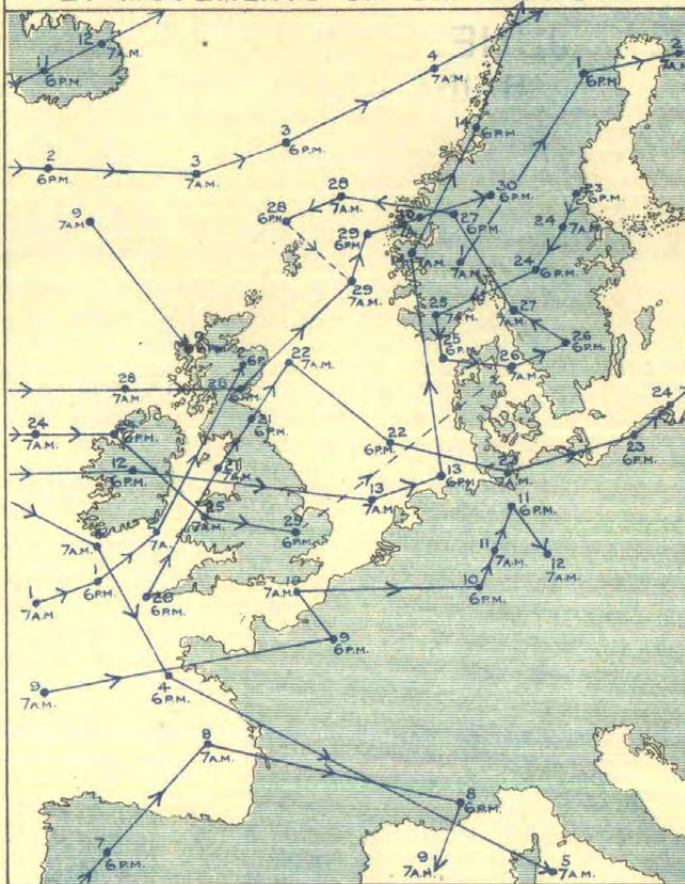
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 Light moderate strong
 30 Obs. = 1 inch

3. DISTRIBUTION OF MEAN TEMPERATURE.

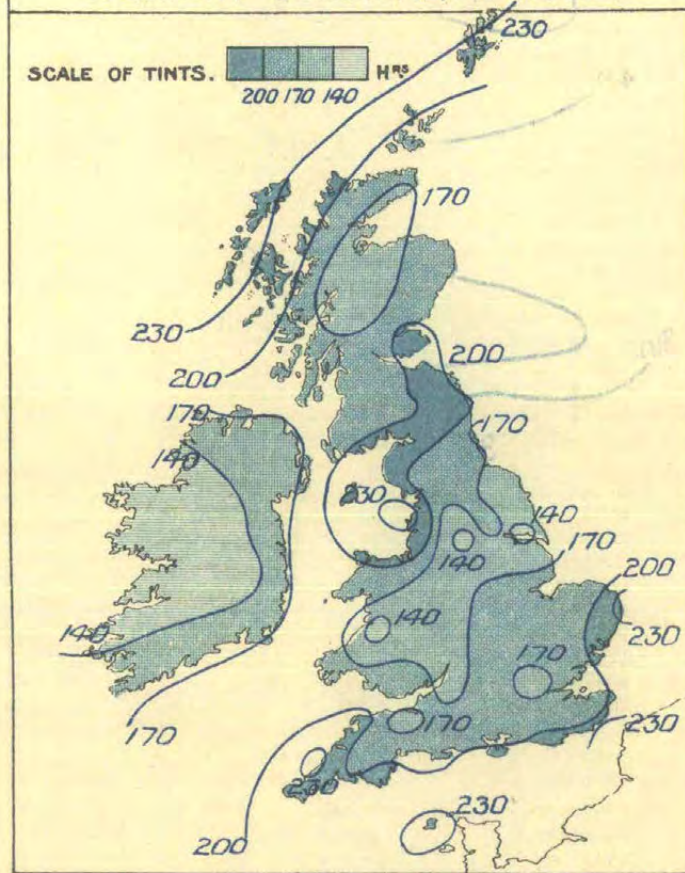


The temperature of the sea is indicated by large figures, thus — 54°

2. MOVEMENTS OF DEPRESSIONS.



4. BRIGHT SUNSHINE, IN HOURS.



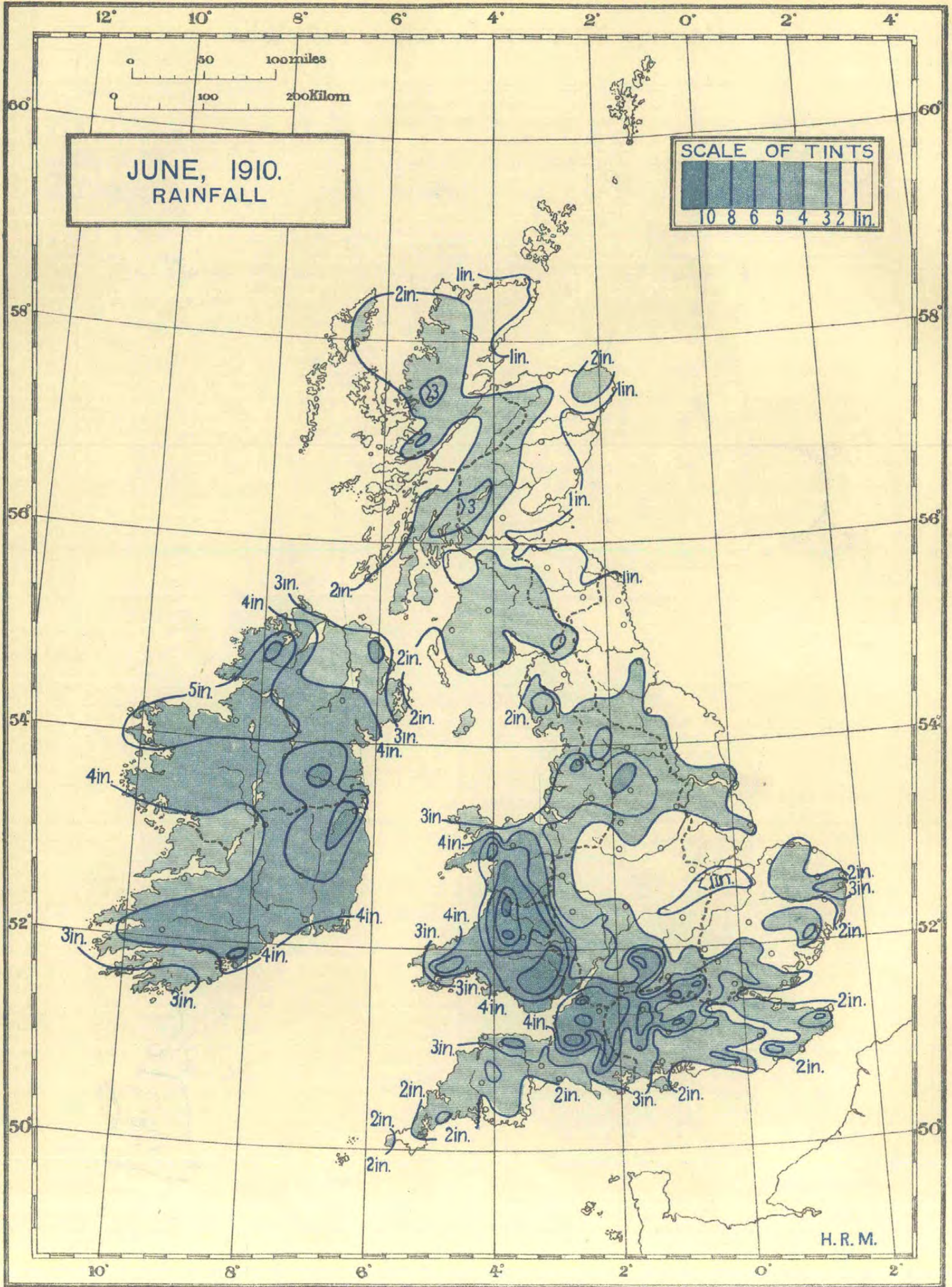


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, JUNE, 1910.

TABLE B (continued).—SUMMARY OF THE OBSERVATIONS.																								
DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature.		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.					
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.	No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.						Amt.	Date.							
			Max.	Min.																			Hrs.	Hrs.
		Ft.	°	°	°	°	°							Ins.	Ins.	Ins.		Hrs.	Hrs.	%	%			
8. ENGLAND, S.W.— (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	4'14	—	1'10	9th	15	—	—	—	—			
	" "	900	—	—	—	—	—	—	—	—	—	—	3'43	—	0'81	9th	14	—	—	—	—			
	a Cardiff	50	65'3	50'8	58'1	- 0'7	77	20th	43	14th	60'1	55 0	0	4'67	+2'09	2'06	5th	18	196	—	40	—		
	a Swansea	24	66'5	53'5	60'0	—	76	20th	43	14th	63'6	56'8	0	4'57	—	0'85	5th	18	183	—	37	—		
	a Shaftesbury	722	64'6	50'1	57'4	+ 0'9	75	19th	42	14th	59'3	—	—	4'79	+2'42	1'16	9th	13	—	—	—	—		
	a Arlington	613	63'4	49'7	56'6	+ 0'4	75	20th	44	3rd, 14th	—	—	—	3'83	+0'65	0'72	24th	16	—	—	—	—		
	a Cullompton	202	67'4	49'7	58'6	+ 0'4	79	19th	39	3rd	—	—	0	2'26	-6'14	0'61	9th	18	157	- 42	32	- 8		
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	225	- 6	46	- 2		
	a Weymouth	21	65'3	52'9	59'1	—	71	6th	47	3rd	—	—	—	2'14	—	0'77	8th	8	225	—	34	—		
	p Paignton	11	64'4	52'4	58'4	—	71	12th	45	18th	—	—	—	1'53	—	0'43	9th	14	222	—	46	—		
	a Sheepstor	749	64'2	47'5	55'9	—	75	20th	40	18th	—	—	—	2'70	—	0'36	23rd	17	—	—	—	—		
	a Newquay	100	61'3	52'8	57'1	- 0'1	72	20th	47	3rd	59'6	—	—	2'14	+0'17	0'56	5th	14	230	+ 10	47	+ 2		
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	218	—	45	—		
	a Teignmouth	19	64'5	53'2	58'9	—	73	12th	46	18th	—	—	0	1'70	—	0'61	9th	15	187	—	39	—		
	a Fowey	—	63'9	52'4	58'2	—	70	12th	46	13th	—	—	—	3'67	—	1'75	23rd	15	195	—	40	—		
9. IRELAND, N.	a Penzance	54	63'3	53'4	58'4	—	68	20th	49	3rd	—	—	—	2'10	—	0'52	10th	17	213	—	44	—		
	p Dunfanaghy	54	60'1	50'0	55'1	—	71	16, 17, 20	43	1st	—	—	—	4'32	—	1'33	12th	16	—	—	—	—		
	p Dublin (Glasnevin)	67	63'2	50'0	56'6	+ 0'4	73	20th	39	1st	—	—	1	5'21	+3'13	1'45	5th	19	—	—	—	—		
	a Kingstown	42	61'8	51'6	56'7	—	73	16th	43	1st	—	—	—	5'10	—	1'40	5th	15	166	—	33	—		
	p Clongowes Wood College	245	63'9	47'8	55'9	—	76	20th	36	1st	—	—	0	5'58	—	1'15	20th	19	131	—	26	—		
10. IRELAND, S.	a Mountmellick	253	65'2	48'6	56'9	—	76	19th	39	1st	—	—	—	5'43	—	1'95	20th	18	—	—	—	—		
	p Newcastle (Co. Wicklow)	256	62'2	49'2	55'7	—	70	9th, 20th	39	1st	—	—	—	4'63	—	1'50	5th	17	—	—	—	—		
	a Kilkenny	212	64'5	49'7	57'1	- 0'1	73	19th	38	1st	—	—	—	3'77	+1'30	0'73	24th	19	—	—	—	—		
	a Cahir	199	64'3	49'7	57'0	+ 0'2	74	19th	37	1st	—	—	—	5'61	—	1'31	24th	20	—	—	—	—		
	a Foynes	108	62'1	50'5	56'3	- 0'7	73	19th	42	1st	—	—	—	3'14	+0'79	0'52	20th	23	—	—	—	—		
11 ENGLISH CHANNEL	a Ballinacurra	34	63'1	50'1	56'6	—	67	10th	39	1st	—	—	—	5'06	—	1'01	1st	15	163	—	33	—		
	a Guernsey (Villa Carey)	180	65'4	52'6	59'0	+ 1'3	79	20th	48	3, 4, 19	—	—	—	1'96	-0'18	0'73	6th	12	239	- 9	50	- 2		

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I., 9 a.m. [II., 3 p.m.], III., 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I., 7 a.m., II., 1 p.m., III., 9 p.m. Roman, telegraphic reporting stations—I., 7 a.m., [II., 1 p.m.], III., 6 p.m. Italic, auxiliary climatological stations—I., 9 a.m. only, at *Colmonell* and *Ventnor*. At 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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 (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.) The values are published in Appendix III. to the Weekly Weather Report for 1906. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal” were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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, and Valencia, the differences of the means of the readings at 9 a.m. and 9 p.m. from their normal averages are also given.

Royal Observatory, Greenwich.—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.

of persistently foggy days was 0.

¶ § **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 A and B. 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 A. 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 \mathbb{M} is supplied by the Royal Meteorological Society, and that for stations marked \mathbb{S} is supplied by the Scottish Meteorological Society. Stations marked \mathbb{S} are in connexion with the Scottish Meteorological Society and those marked \mathbb{M} with the Royal Meteorological Society as well as with the Meteorological Office.

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, LTD.,
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THIRTY-FIFTH YEAR.
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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The distribution of atmospheric pressure over the United Kingdom and the surrounding regions during the period now under review was, in the main, of a most unseasonable type, over the more southern portions of England almost uninterrupted so, but other districts were favoured with one fairly long spell of better weather. At first the Atlantic anticyclone occupied its normal position, with its central space in the neighbourhood of the Azores, while on its northern side pressure was generally low from the Canadian Lakes eastward across Newfoundland and the upper portion of the Atlantic to the British Isles and thence on to Russia. Along this elongated trough depressions of no great intensity moved towards the east, and only on the 1st and 2nd did the barometer descend slightly below 29.5 ins. at a few of our more northern stations. On the morning of the 6th the high pressure system on the lower part of the ocean began to expand northward and north-eastward, and by evening it was already spreading over these islands. With this the situation underwent a decided improvement, the whole country being mostly under the influence of the anticyclone until the 14th, and the western and northern districts until the 19th. The high pressure area broke up into two separate systems on the 10th, one passing back to the normal position near the Azores, the other passing northward to Scotland and Scandinavia, and finally disappearing beyond the Arctic Circle. During the presence of the system over us the barometer rose on various dates to 30.2 ins. and upwards at nearly every station, but the only instance of a reading as high as 30.3 ins. was registered at Stornoway on the 13th. With the subdivision of the anticyclone shallow depressions began to move on a south-easterly course from the northern part of the ocean towards the Bay of Biscay and the Spanish Peninsula, and passing into France exercised considerable influence on the weather over southern England. Coincidentally with the movement of the northern anticyclone towards the Arctic regions the conditions over the whole of the British Isles assumed an unusually disturbed type, and from the 20th to the close of the month there was a constant succession of cyclonic depressions crossing from Newfoundland to these islands and Northern Europe. As a rule these disturbances were comparatively shallow, but about the 22nd, 25th and 28th there were barometric readings below 29.5 ins. in numerous localities. At Malin Head there was a reading of 29.26 ins. on the 22nd, and at Leith on the 25th of 29.27 ins., both depressions having followed a nearly straight course across the Atlantic.

One of the most notable features of the month was the entire absence of centres of minimum pressure about Iceland and thence across to northern Scandinavia, the normal position of the mean lowest pressure at this season being off the south or south-west of Iceland. Map 2, p. LXXV., shows that the depressions followed two unusually well-marked paths—from our north-western coasts due eastward to the Baltic, and from the Bay of Biscay north-eastward to the Baltic. There was consequently a very striking change in the situation of the mean lowest pressure for the month—from Iceland to the Baltic. The average values for the period disclose the highest values over the Bay of Biscay and Iceland, in both regions above 29.95 ins., the lowest values being to the eastward of the North Sea, below 29.75 ins. in southern Sweden. At the home stations there was a marked uniformity in the results, from 29.94 ins. at Jersey to 29.84 ins. at Spurn Head and Leith. Out at the Azores the value was 30.27 ins., the barometer having stood above 30 ins. throughout the month. There was a merely nominal excess, less than 0.01 in., at Stornoway and Sumburgh Head, all other stations being below the normal, the deficiency being only 0.01 in. at Wick, and increasing southward to as much as 0.12 in. at Yarmouth, London and Dungeness. The cyclones and anticyclones being of no great intensity the range of pressure during the month was relatively small. It was just a little more than $\frac{1}{2}$ in. at Jersey, and only at Stornoway did it amount to an inch. With a wedge of comparatively low pressure across the country the gradient was slight and irregular, so that the winds recorded were distributed through all the quarters of the compass, least frequent in the South-East quarter. For a summer month, however, there was at times a great deal of wind, the instances of more than a strong breeze at the telegraphic reporting stations being rather numerous between the 1st and the 9th, and from the 17th to the 28th. Many of the observers reported a high wind, but Wick had gale force on the 8th, Portland Bill on the 21st, 24th, 25th and 26th, and Scilly on the 25th, while Malin Head experienced a strong Northerly gale on the 23rd, and a whole gale from the same point on the 26th. No very high velocities were registered by anemometers either in hourly periods or in gusts of short duration.

Under the circumstances described above the weather varied considerably. At the commencement a very unsettled Northerly type of conditions prevailed, associated with the southward advance of a shallow low pressure from the vicinity of the Farøe down the east coast of Britain, then passing across the North Sea. On each of the first four days thunderstorms occurred, and in particular on the 2nd and 3rd they affected a great

part of the kingdom. Rain was general, and in numerous localities there were falls of hail. Very few stations, however, reported as much as an inch of rain on any of these days, Bethesda 1 in., Coventry 1.1 in., and Darwen and Worthing 1.2 in. The reports of the 5th showed the existence of a large disturbance on the ocean, to the south-westward of Iceland, and in the evening it threw off a small secondary depression which travelled quickly on a south-easterly course from a position off the north of Ireland to Norfolk and western Germany. The wind veered from South-West to North-West and North, the weather was very wet, and large falls of rain were reported over a wide area, an inch and upwards in many parts of Britain, 1.3 in. at Bethesda and Aspatria, 1.4 in. at Darwen, 1.5 in. at Eskdalemuir, and 1.7 in. at Aberdovey. With the exception of thunder at Belvoir Castle, and a thunderstorm at Bidston Observatory, Liverpool, no electrical disturbances were reported.

As this depression passed away the country was brought under the influence of the extension of the Atlantic anticyclone already referred to, and a period of fine dry weather set in. From the 6th or 7th to the 18th or 19th no rain fell at numerous stations in Ireland, Scotland, Wales and the northern half of England. At Deerness, Orkney, there were only two slight falls of rain (on the 3rd and 7th) in the first nineteen days of the month. In the south of England the fine spell was of shorter duration owing to the appearance of low pressure systems about the Bay of Biscay and France as early as the 15th. In London 0.26 in. of rain fell in 10 minutes on the 18th.

After the 19th unsettled conditions again became common to all districts. The centres of the main disturbances of this period all kept on an easterly course across our northern districts, a few shallow secondaries appearing between the Bay of Biscay and the Low Countries. Rain was now of daily occurrence pretty generally, and frequently heavy. In the west and north-west many places had over an inch on the 20th, up to 1.5 in. at Carnforth, Graythwaite and Lancaster, 1.6 in. at Kirkby Lonsdale, 1.7 in. at Mount Callan (Clare), and 2 ins. at Bethesda. On other days the greatest falls were of a more local character, 1.4 in. at Balruddery on the 25th, and 1.6 in. at Killbegs on the 28th. On the latter day floods were caused in western Ireland by the heavy rain, most of the 1.5 in. of rain at Mount Callan falling in about an hour. Although there were thunderstorms every day, they were distributed rather sporadically about the kingdom.

As a rule temperature was low, the afternoon readings at times being far below the normal, in London, on the 9th, as much as 16° too low. At various times during the month there were several maxima below 55°, even so far south as St. Asaph and Whitby. On the 1st, Glencarron did not pass 51°. During the fine spell of the middle period, however, there were many maxima above 75° in the west and north, 80° or 81° at several stations on the 12th, 13th and 14th. At Balmoral a night minimum of 31° was registered on the 11th and 24th, but there were not many records below 40° elsewhere.

Fog was unusually frequent on all coasts, often dense and interfering with shipping movements.

The temperature of the sea water round our coasts was nearly everywhere warmer than in June, by as much as 3° or 4° in some localities. On the east coast, from the Forth to Scarborough, on the western half of the English Channel, and up the western Channels to the Clyde, the water was colder than the air on shore, by 4° off Burnmouth and County Down. Elsewhere it either equalled the air or was a little warmer.

A slight earthquake shock was felt at Oban on the 27th.

Rainfall.—There was an average quantity of precipitation in the Channel Islands and the English Midlands, a deficiency in the north of Scotland and the south of Ireland, and an excess in all other districts, but generally the variation from the average was not large. The aggregate totals ranged from 0.8 in. at Sumburgh Head, and 1.4 in. at Deerness, Aberdeen and Newcastle, Wicklow, to more than 6 ins. at some of the wettest stations, 9.2 ins. at Seathwaite, and 12.3 ins. on Plynlimmon. At Colwyn Bay rain fell on seven days, at Hoyle on eight days, many places on nine or ten days, against twenty-one at Foynes, Hillington and Norwich, and twenty-two at Cromer.

Bright Sunshine.—There was much sunny weather in Ireland, western Scotland and north-western England, where the bright sunshine records were 30 or more hours above the average, 61 at Armagh, 63 at Phoenix Park, and 86 at Markree Castle. Other districts were remarkable for the exceptional dullness of the month, the loss of sunshine amounting to 102 hours at Margate, 112 hours at Geldeston, and 123 at Greenwich. The largest aggregate totals were near the Irish Sea, 254 hours (55 per cent. of the possible) at Douglas, 250 hours (50 per cent.) at Llanegwad, 239 hours (48 per cent.) at Colwyn Bay; the smallest, 94 hours (17 per cent.) at Deerness, and (19 per cent.) at Bunhill Row, London, 89 hours (18 per cent.) at Plumstead, 83 hours (16 per cent.) at Newcastle-on-Tyne, and only 80 hours (16 per cent.) at Cromer.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY -	48	29°750	-0029	-0001	58°8	50°5	54°7	-2°5	67	14th, 15th	47	12th, 18th	53°5	56°5	54°4	1°9	2°6	2°2	In. 356	In. 381	In. 362	% 87	% 83	% 85
	Deerness -	163	29°665	-	-0004	55°8	48°4	52°1	-2°1	62	21st	44	24th	52°4	-	50°4	2°2	-	1°4	340	-	333	86	-	91
	SUMBURGH HEAD	126	29°691	+0001	-0001	58°5	47°4	53°0	+0°2	69	12th	40	20th	51°5	55°0	50°8	1°7	3°1	1°5	336	347	333	89	80	89
	STORNOWAY	52	29°792	+0006	-0001	58°8	48°5	53°7	-1°1	68	11th	44	24th	52°3	57°2	52°0	1°9	3°5	1°5	341	367	348	87	78	90
Mainland.	Wick -	80	29°745	-0014	+0003	58°0	47°0	52°5	-2°8	65	21st	40	10th	51°4	-	52°7	2°0	-	2°4	328	-	334	87	-	84
	Strathpeffer -	210	29°611	-	-0005	61°8	48°9	55°4	-1°1	73	13th	40	24th	56°0	-	53°0	2°9	-	2°4	368	-	337	82	-	84
	Glencarron -	504	29°293	-	-0004	61°3	46°8	54°1	-1°2	76	11th	40	24th	55°3	-	52°5	4°3	-	3°1	323	-	314	73	-	79
	Fort Augustus -	73	29°760	-	-0004	61°3	49°0	55°2	-1°9	69	28th	40	11th	55°0	-	55°3	2°6	-	2°3	359	-	372	83	-	85
1. SCOTLAND, E.	Fort William -	38	29°792	-	-0004	63°9	48°4	56°2	-1°0	78	14th	44	11, 16, 20	57°0	-	54°7	4°1	-	2°9	349	-	349	75	-	91
	Dunrobin Castle	16	29°816	-	-0004	59°4	48°7	54°1	-2°0	67	28th	43	1st	54°9	-	52°5	3°0	-	1°8	352	-	348	82	-	88
	District Value -					60°5	48°0	53°9	-1°0	78		40													
	Tillypronie -	1120	28°629	-	-0005	59°0	44°6	51°8	-2°5	74	13th	37	24th	52°5	-	50°5	2°8	-	1°8	326	-	324	83	-	88
2. ENGLAND, N.E.	Dundee -	164	29°666	-	-0005	62°0	49°0	55°5	-3°3	72	10th	40	24th	56°5	-	53°6	2°9	-	1°7	377	-	367	82	-	89
	Nairn -	82	29°732	-0023	+0003	60°2	48°5	54°4	-3°0	69	28th	43	24th	52°2	58°5	56°2	1°9	4°4	3°4	340	363	357	87	74	79
	Gordon Castle	107	29°729	-	-0005	60°9	47°8	54°4	-3°0	69	28, 29, 31	44	1st, 27th	56°1	-	52°8	3°3	-	2°2	359	-	341	79	-	85
	Aberdeen -	90	29°744	-0038	-0005	58°1	49°1	53°0	-3°6	64	31st	44	14th	54°4	55°7	52°6	3°3	3°8	2°5	333	341	330	79	76	83
3. ENGLAND, E.	Balmoral -	927	29°739	-0038	-	62°2	43°5	52°9	-2°2	80	13th	31	11th, 24th	54°5	-	54°2	3°7	-	2°5	332	-	332	78	-	-
	Cleff -	436	29°363	-	-0005	64°9	48°4	56°7	-2°1	78	11th, 13th	41	16th	56°1	-	54°2	3°7	-	2°5	349	-	350	76	-	83
	Leith -	37	29°771	-0060	+0003	61°8	51°2	56°5	-2°6	70	4th	44	8th	54°5	-	58°4	2°8	-	3°9	347	-	375	81	-	77
	Marchmont -	500	29°308	-	-0005	60°9	47°9	54°4	-2°8	71	13th	42	3rd, 12th	55°5	-	52°4	3°4	-	2°1	347	-	338	79	-	86
4. ENGLAND, N.E.	District Value -					61°3	47°9	54°2	-2°4	80		31													
	Seaham -	138	29°686	-	-0006	59°9	50°0	55°0	-3°7	70	27th	45	14th, 15th	56°0	-	53°6	2°6	-	1°5	377	-	371	83	-	90
	Whitby -	145	29°667	-	-0006	63°3	50°7	57°0	-2°0	73	31st	44	2nd	57°4	-	55°1	3°6	-	2°5	369	-	363	79	-	85
	Cockle Pk (Morpeth)	331	29°492	-	-0006	61°1	48°7	54°9	-	67	27th	43	4th	55°5	-	52°1	2°6	-	1°6	369	-	350	84	-	90
5. ENGLAND, N.E.	Shields -	117	29°711	-0060	+0003	60°7	48°9	54°8	-3°5	70	27th	45	4th, 14th	53°8	-	57°1	2°2	-	3°4	353	-	368	85	-	79
	Durham -	362	29°460	-	-0006	62°5	49°2	55°9	-3°6	69	13th	41	4th	55°8	-	53°2	2°8	-	1°8	369	-	359	83	-	88
	Rounton -	245	29°564	-	-0006	61°7	49°0	55°4	-2°7	70	31st	38	3rd	55°2	-	53°5	2°8	-	2°1	357	-	352	82	-	86
	Scarborough -	127	29°687	-	-0006	63°4	51°3	57°4	-2°0	72	21st	47	2nd, 12th	56°3	-	55°4	2°6	-	2°8	379	-	361	83	-	83
6. ENGLAND, N.E.	York -	53	29°799	-	-0006	65°4	50°6	58°0	-2°7	74	13th	44	3rd, 4th	57°9	-	55°7	3°2	-	2°5	388	-	374	80	-	84
	Spurn Head -	28	29°798	-104	+0003	61°5	52°4	57°0	-3°2	69	22nd	48	10th	55°1	60°0	57°6	2°0	4°2	2°7	377	390	396	87	75	83
	Lincoln -	42	29°798	-	-	65°1	50°6	57°9	-4°0	74	13th	43	19th	59°3	-	57°2	2°2	-	1°5	441	-	442	93	-	90
	Skegness -	16	29°830	-100	+0003	61°6	51°5	56°6	-	69	20th	46	1st, 3rd	55°1	-	58°4	0°9	-	1°5	408	-	442	93	-	90
7. ENGLAND, N.E.	Hull -	2	29°830	-	-0006	64°5	51°3	57°9	-2°7	74	31st	47	3, 12, 14	58°5	-	56°1	3°0	-	2°0	400	-	393	81	-	87
	District Value -					63°1	50°2	56°2	-2°5	77		38													
	Lowestoft -	75	29°770	-	-0006	62°1	52°3	57°2	-3°4	72	21st	47	3rd, 7th	59°1	-	55°8	3°5	-	1°8	396	-	393	79	-	88
	Cromer -	139	29°687	-	-0006	61°9	51°2	56°6	-	72	21st	45	3rd	56°6	-	54°5	2°1	-	1°2	397	-	390	86	-	92
8. ENGLAND, N.E.	Hillington -	92	29°746	-	-0006	64°1	50°4	57°3	-4°1	73	28th	44	11th	57°8	-	54°8	2°5	-	1°3	403	-	391	84	-	91
	Norwich -	93	29°746	-	-	64°0	52°7	58°4	-	73	21st	46	3rd	-	-	-	-	-	-	-	-	-	-	-	
	YARMOUTH -	27	29°811	-116	-0002	62°6	52°2	57°4	-3°3	74	21st	44	4th	55°8	60°8	56°8	1°7	4°6	1°9	396	391	405	89	74	87
	Geldeston -	47	29°805	-	-0006	64°6	52°1	58°4	-2°9	74	21st	46	3rd	58°5	-	55°4	3°1	-	1°3	397	-	401	80	-	92
9. ENGLAND, N.E.	Cambridge -	43	29°808	-	-0007	65°5	51°5	58°5	-3°9	73	28th	44	24th	58°2	-	56°5	3°4	-	2°2	389	-	393	80	-	86
	CLACTON -	62	29°799	-114	-0002	64°2	52°9	58°6	-4°3	74	31st	46	4, 7, 24	56°5	61°8	57°3	2°1	4°7	2°4	395	404	399	96	74	84
	Woburn -	294	29°582	-	-0007	64°8	50°4	57°6	-	74	28th	39	19th	57°1	-	55°9	3°1	-	2°0	379	-	392	81	-	87
	Bennington -	411	29°478	-	-0007	64°4	50°5	57°5	-4°0	73	31st	44	19th	56°9	-	55°0	3°3	-	2°0	370	-	375	80	-	87
10. ENGLAND, N.E.	Berkhamsted -	397	29°469	-	-0007	65°1	50°3	57°7	-3°6	74	28th	43	19th	57°0	-	55°3	3°2	-	1°7	371	-	383	80	-	89
	District Value -					64°2	51°9	57°6	-3°0	74		39													
	Garforth -	198	29°423	-	-0006	63°6	48°4	56°0	-	74	13th	37	4th	57°3	-	56°3	3°5	-	2°7	372	-	381	79	-	83
	Huddersfield -	411	29°423	-	-0006	63°9	50°2	57°1	-	75	13th	44	24th	56°8	61°8	55°4	3°8	6°0	2°7	358	369	366	78	68	83
11. ENGLAND, N.E.	Wakefield -	100	29°742	-	-0006	65°5	50°8	58°2	-1°8	76	14th	44	19th	58°2	-	58°2	4°1	-	3°2	366	-	389	75	-	80
	Belvoir Castle	276	29°576	-	-0006	64°4	50°4	57°4	-4°0	73	13th	40	19th	56°6	-	55°3	3°1	-	2°5						

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of JULY, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10).			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER.										WIND.										STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Hrs.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
							I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
°	°	Hrs.	Hrs.	%	%																												(Isd.)	
—	—	200	—	—	—	—	8.0	7.2	6.1	3.14	—	0.67	24th	16	0	0	0	4	15	4	—	0	39	3	9	7	12	10	3	6	7	31	Castlebay (Barra).	
—	—	94	—45	17	—9	—	8.6	—	8.5	1.41	—1.44	0.43	29th	9	0	0	0	1	23	5	—	0	26	4	15	10	6	13	4	0	1	9	Deerness.	
—	—	—	—	—	—	—	7.6	6.2	7.4	0.81	—1.59	0.19	25th	13	0	0	0	0	7	8	—	0	30	6	22	24	5	5	11	2	5	13	Sumburgh Head.	
—	—	138	—6	26	—1	—	8.0	7.5	7.6	3.08	+0.05	0.59	22nd	17	0	0	0	1	15	2	—	0	36	1	13	24	10	13	14	3	3	12	Stornoway.	
—	—	—	—	—	—	—	8.9	—	9.1	2.49	—0.25	1.28	25th	19	0	0	0	0	25	3	—	1	13	2	26	0	13	9	6	2	2	2	Wick.	
—	—	109	—21	21	—4	—	8.3	—	7.8	3.69	+0.62	0.76	24th	16	0	0	0	3	20	0	—	0	11	25	1	7	9	4	4	2	3	7	Strathpeffer.	
—	—	—	—	—	—	—	7.5	—	6.1	4.37	—1.18	0.83	22nd	16	0	0	0	6	17	1	—	0	12	0	16	6	19	2	2	0	17	0	Glencarron.	
—	—	130	+30	25	+6	—	8.1	—	6.3	3.12	+0.16	0.86	24th	16	0	0	0	2	14	2	—	0	23	5	3	35	1	2	1	15	0	0	Fort Augustus.	
58.0	—	—	—	—	—	—	6.8	—	6.4	4.99	—0.19	0.65	28th	16	0	0	0	9	19	3	—	0	8	19	2	19	3	0	2	10	6	1	Fort William	
—	—	118	—9	22	—2	—	7.3	—	7.7	3.56	+0.64	0.80	25th	14	0	0	0	1	14	2	—	0	5	6	1	9	15	19	5	2	1	4	Dunrobin Castle.	
—	—	—	—	—	—	—	7.9	7.0	7.3	3.22	—0.30	1.28	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	6.8	—	6.5	3.79	+0.65	0.75	1st	17	0	0	1	6	14	2	—	1	35	0	17	18	5	9	3	1	1	8	Tillypronie.	
—	—	—	—	—	—	—	8.1	—	8.6	3.57	+0.59	0.71	25th	17	0	0	1	1	22	2	—	0	2	0	0	12	5	20	6	11	3	5	Dundee.	
—	—	114	—22	—	—	—	7.9	7.1	6.9	3.83	+1.06	1.26	25th	17	0	0	2	1	13	0	—	0	0	32	3	14	25	2	0	9	5	3	Nairn.	
—	—	114	—22	—	—	—	8.7	—	7.7	3.14	—0.18	1.02	25th	20	0	0	3	0	18	2	—	0	1	0	1	25	0	11	4	4	4	13	Gordon Castle.	
52.5	—	128	—35	24	—7	—	8.2	7.1	7.6	1.45	—1.45	0.36	21st	15	0	0	1	0	16	2	—	0	15	14	17	9	5	15	12	2	2	17	Aberdeen.	
—	—	—	—	—	—	—	7.3	—	—	4.08	+1.25	0.93	25th	15	0	0	1	6	19	0	2	2	6	0	12	0	6	10	2	8	20	4	Balmoral.	
—	—	—	—	—	—	—	7.5	—	6.9	4.84	+1.68	0.99	5th	19	0	0	2	4	20	0	—	0	14	0	5	7	29	1	6	0	13	1	Crieff.	
—	—	—	—	—	—	—	7.8	—	6.5	3.47	+0.70	0.86	5th	18	0	0	1	2	15	1	—	0	9	0	4	14	11	7	4	6	9	7	Leith.	
57.3	—	146	—25	28	—5	—	8.1	—	7.6	4.05	+0.63	0.90	25th	14	0	0	3	0	17	2	—	0	0	0	0	8	3	25	2	3	4	9	3	Marchmont.
—	—	133	—30	25	—6	—	7.8	—	7.3	3.61	+0.61	1.43	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	8.7	—	8.4	2.20	—0.78	0.64	5th	17	0	0	1	0	22	3	—	0	16	4	23	3	1	1	8	7	9	6	Seaham.	
—	—	107	—21	—	—	—	8.0	—	7.5	2.05	—0.40	0.88	25th	14	0	1	1	0	17	4	—	0	4	1	4	8	0	4	1	19	0	25	Whitby.	
56.7	54.6	111	—22	—	—	—	8.5	—	8.1	2.25	—0.45	0.43	5th	20	0	0	1	0	22	0	—	0	12	8	4	10	0	8	7	6	5	14	Cockle P'k (Mor.)	
—	—	—	—	—	—	—	8.9	—	8.6	1.76	—0.90	0.63	25th	18	0	0	0	0	25	4	—	0	9	1	16	7	5	5	7	9	4	3	Shields. (peth.)	
—	—	127	—41	25	—8	—	8.9	—	9.5	2.90	—0.05	0.90	25th	15	0	0	1	0	26	0	—	0	2	18	4	12	1	1	8	9	2	7	Durham.	
57.9	—	—	—	—	—	—	9.3	—	9.5	3.32	+0.37	1.11	5th	17	0	0	2	0	27	4	—	0	12	4	11	15	0	3	8	11	2	8	Rounton.	
—	57.4	103	—20	—	—	—	8.3	—	8.9	2.43	—0.17	0.53	25th	19	0	0	1	0	18	16	?	0	38	1	1	29	0	2	0	17	2	10	Scarborough.	
58.6	55.7	139	—39	28	—7	—	8.2	—	7.5	2.73	+0.04	0.92	5th	14	0	0	1	0	13	2	—	0	0	0	0	15	7	0	2	15	7	9	7	York.
—	—	—	—	—	—	—	7.9	7.5	7.3	2.49	+0.59	0.90	6th	12	0	0	1	0	10	3	—	0	69	0	27	13	3	8	8	13	3	13	Spurn Head.	
58.5	55.2	—	—	—	—	—	5.4	—	6.8	2.56	+0.19	0.70	5th	14	0	0	0	6	14	0	—	0	0	9	3	7	3	1	2	16	10	11	Lincoln.	
—	—	113	—23	—	—	—	7.7	—	7.5	3.18	—	0.82	6th	17	0	1	1	0	15	0	—	0	17	0	13	13	2	4	4	8	10	8	Skegness.	
58.7	54.2	126	—25	—	—	—	8.5	—	8.8	2.73	+0.26	0.67	5th	15	0	0	4	0	22	0	—	0	3	2	5	21	2	3	4	8	8	9	Hull.	
58.6	55.3	126	—66	25	—13	—	8.2	—	8.2	2.82	+0.08	1.11	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
60.9	57.8	116	—23	—	—	—	7.6	—	6.8	2.51	+0.03	0.55	25th	14	0	0	5	0	16	0	—	0	35	0	13	9	5	3	2	9	14	7	Lowestoft.	
—	—	80	—16	—	—	—	8.8	—	8.9	4.15	—	0.77	6th	22	0	0	0	0	24	2	—	0	27	0	20	6	4	5	6	9	5	7	Cromer.	
—	—	113	—88	23	—17	—	8.2	—	8.3	4.28	+1.33	0.81	5th	21	0	1	5	1	22	0	—	0	6	10	5	19	0	1	0	7	10	10	Hillington.	
—	—	—	—	—	—	—	—	—	—	4.08	—	0.76	25th	21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
60.9	58.7	103	—21	—	—	—	7.3	6.4	6.6	2.91	+0.26	0.90	6th	16	0	1	4	0	8	0	—	0	31	0	13	15	4	7	3					

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
		Ft.	Ins.	Ins.													In.	In.	In.	%	%	%			
5. ENGLAND, S.E.—cont.	Eastbourne	36	29° 858	—	—007	63° 8	53° 7	58° 8	—3° 1	69	23rd	49	14th	59° 7	—	58° 4	3° 7	—	2° 7	40° 1	—	40° 9	78	—	83
	Dungeness	21	29° 827	—124	+003	64° 0	53° 3	58° 7	—2° 9	69	6, 23, 31	46	4th, 7th	57° 5	61° 5	60° 6	1° 9	2° 3	2° 4	41° 6	47° 0	45° 1	88	86	85
	Hastings	174	29° 705	—	—007	63° 8	52° 6	58° 2	—3° 2	71	17th	47	7th	59° 1	—	56° 2	3° 5	—	1° 7	39° 5	—	40° 2	79	—	89
	Southampton	84	29° 813	—	—007	65° 9	53° 1	59° 5	—3° 6	75	14th	47	4th, 10th	60° 2	—	57° 7	4° 8	—	2° 5	38° 1	—	40° 4	73	—	84
	Ventnor	80	29° 804	—	—	64° 1	53° 8	59° 0	—3° 0	69	23rd	48	4th	59° 7	—	—	3° 5	—	—	40° 5	—	—	79	—	—
	District Value					64° 6	52° 2	57° 9	—3° 5	78		38													
LONDON	Tottenham	55	29° 809	—	—007	67° 0	53° 2	60° 1	—3° 2	74	28th, 31st	47	19th	59° 1	—	58° 1	2° 2	—	0° 9	43° 4	—	45° 9	87	—	95
	Hampstead	453	29° 400	—	—	63° 6	51° 5	57° 6	—	73	28th	46	19th	56° 5	—	56° 2	2° 6	—	1° 8	38° 4	—	40° 1	84	—	88
	Camden Square	123	29° 750	—	—007	68° 5	53° 1	60° 8	—3° 6	79	28th	47	19th	59° 8	—	58° 2	3° 5	—	2° 3	40° 6	—	41° 5	79	—	86
	Westminster	54	29° 809	—114	+003	65° 4	53° 1	59° 3	—4° 6	74	28th	49	3, 19, 24	56° 0	—	62° 6	2° 0	—	4° 7	39° 1	—	41° 7	87	—	74
	Greenwich	159	29° 709	—	—007	67° 0	51° 9	59° 4	—4° 3	76	28th	47	24th	58° 7	—	56° 7	3° 6	—	2° 1	38° 7	—	39° 8	78	—	86
	Norwood	235	29° 637	—	—007	65° 6	52° 2	58° 9	—4° 0	74	28th	46	24th	58° 5	—	56° 6	3° 8	—	2° 3	37° 8	—	39° 1	77	—	85
	Kew	34	29° 851	—090	—007	65° 6	53° 4	59° 5	—3° 3	74	28th	48	4th	58° 9	63° 9	58° 7	4° 2	6° 7	3° 1	37° 3	38° 2	40° 1	75	64	81
	Bunhill Row	—	29° 843	—091	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Eskdalemuir	778	29° 008	—	—005	61° 3	44° 9	53° 1	—	76	13th	36	19th	56° 3	58° 8	50° 8	4° 2	5° 1	1° 7	34° 3	35° 5	33° 1	76	72	88
6. SCOT- LAND, W.	Poltalloch	135	29° 681	—	—004	64° 4	51° 3	57° 9	+0° 1	78	14th	41	2nd	57° 8	—	55° 2	4° 1	—	2° 6	36° 2	—	36° 3	76	—	84
	Glasgow	184	29° 634	—	—005	64° 0	50° 6	57° 3	—0° 7	77	12th	45	8th	56° 5	—	55° 3	4° 1	—	3° 0	34° 7	—	35° 8	76	—	82
	Rothsay	76	29° 759	—	—005	65° 4	50° 1	57° 8	+0° 1	81	13th, 14th	45	18th, 24th	56° 5	—	54° 0	2° 7	—	1° 8	37° 9	—	36° 6	83	—	87
	Colmonell	150	29° 696	—	—	65° 0	47° 5	56° 3	—1° 0	76	15th	39	17th, 18th	57° 9	62° 1	—	3° 6	5° 1	—	37° 6	39° 8	—	78	71	—
	Dumfries	155	29° 685	—	—005	64° 5	48° 8	56° 7	—2° 9	80	12th	40	18th	56° 9	—	54° 9	3° 6	—	2° 8	36° 0	—	35° 3	78	—	82
7. ISLE OF MAN	Cally, Gatehouse	120	—	—	—005	66° 0	49° 1	57° 6	—0° 2	80	14th	42	20th	58° 9	—	55° 7	3° 6	—	2° 9	38° 9	—	36° 4	78	—	82
	Douglas	284	29° 551	—	—006	61° 9	50° 7	56° 3	—1° 4	76	13th	45	24th	56° 9	—	54° 7	3° 1	—	2° 6	37° 7	—	36° 0	81	—	85
	District Value					64° 5	49° 4	56° 6	—0° 7	81		38													
	Southport	42	29° 814	—	—006	63° 9	51° 6	57° 8	—1° 9	78	14th	45	18th	59° 1	61° 9	56° 9	4° 2	5° 5	2° 9	37° 6	38° 4	37° 8	75	69	82
	Manchester (City)	195	29° 653	—	—006	65° 0	52° 7	58° 9	—	76	14th	44	4th	58° 0	—	58° 3	4° 2	—	3° 9	36° 2	—	37° 6	75	—	77
8. ENG- LAND, N.W.	„ (Whitworth Pk)	127	29° 699	—	—006	65° 0	51° 9	58° 5	—	76	14th	44	4th	58° 2	63° 4	57° 6	3° 9	—	3° 1	37° 2	—	38° 5	78	66	81
	Darwen	730	29° 078	—	—006	63° 0	48° 5	55° 8	—	78	13th	43	10th	57° 1	—	55° 0	3° 8	—	2° 7	36° 1	—	36° 0	78	—	83
	Aspatria	254	29° 563	—	—006	64° 1	48° 8	56° 5	—2° 2	77	12th, 14th	41	19th	57° 9	—	55° 0	3° 6	—	2° 5	37° 6	—	36° 2	78	—	84
	Newton Rigg	559	29° 225	—	—006	65° 4	47° 3	56° 4	—1° 5	81	13th	33	19th	56° 5	—	55° 2	2° 8	—	2° 3	37° 6	—	37° 0	82	—	85
	Stonyhurst	303	29° 462	—	—006	64° 0	50° 4	57° 2	—1° 9	78	13th	43	4th	58° 6	—	56° 4	4° 6	—	3° 5	36° 0	—	36° 0	73	—	79
	Blackpool	73	29° 770	—	—006	64° 2	50° 4	57° 3	—2° 6	78	14th	42	18th	60° 1	—	56° 9	3° 7	—	2° 3	40° 5	—	39° 5	78	—	86
	M'nch't'r (Prestwich)	320	29° 508	—	—006	64° 7	50° 4	57° 6	—1° 9	75	14th	42	4th	57° 9	—	56° 3	3° 6	—	3° 0	37° 0	—	36° 9	78	—	81
	Liverp'l, Bidston Obs.	197	29° 643	—	—006	63° 9	52° 4	58° 2	—2° 1	77	13th	43	18th	57° 9	—	56° 8	4° 3	—	3° 4	35° 9	—	36° 4	75	—	78
	Llandudno	41	29° 842	—	—006	65° 5	53° 0	59° 2	—1° 3	77	13th	49	18th	59° 3	—	58° 1	4° 4	—	3° 0	37° 4	—	39° 5	74	—	81
	HOLYHEAD	28	29° 804	—091	—002	61° 9	52° 3	57° 1	—1° 8	72	13th	50	1, 3, 27	56° 5	60° 8	56° 5	2° 1	3° 6	2° 2	39° 5	41° 9	39° 2	86	79	86
	Bettws-y-Coed	100	29° 735	—	—006	64° 4	50° 4	57° 4	—3° 2	81	13th	43	18th	58° 5	—	56° 9	4° 0	—	2° 4	37° 3	—	39° 2	76	—	85
9. NORTH WALES	Llaneugrad	310	29° 545	—	—006	62° 0	50° 6	56° 3	—	76	13th	47	2nd	57° 5	—	54° 8	3° 5	—	2° 2	37° 4	—	37° 0	79	—	86
	District Value					64° 3	50° 7	57° 0	—1° 9	81		38													
	Llangamarch Wells	585	29° 250	—	—	64° 0	48° 0	56° 0	—3° 4	76	13th	39	8th	56° 7	—	—	2° 7	—	—	38° 1	—	—	83	—	—
	PEMBROKE	150	29° 711	—092	—002	62° 2	52° 0	57° 1	—1° 8	73	14th	43	8th	55° 4	59° 2	55° 9	1° 6	2° 8	1° 7	39° 3	41° 7	39° 8	90	83	89
	Clifton	229	—	—	—	66° 1	53° 6	59° 9	—2° 7	78	13th, 14th	48	4th	—	—	—	—	—	—	—	—	—	—	—	—
10. ENG- LAND, S.W.	PORTLAND BILL	23	29° 852	—126	—002	61° 8	54° 7	58° 3	—3° 4	65	8, 14, 23	52	3, 11, 19	57° 3	60° 1	58° 0	1° 2	1° 6	0° 8	43° 3	46° 3	45° 7	92	90	94
	Plymouth	116	29° 789	—	—007	63° 7	53° 9	58° 8	—2° 7	74	14th	49	1st	60° 4	61° 4	57° 7	3° 7	4° 0	2° 6	41° 3	42° 0	40° 2	79	78	84
	Falmouth	183	29° 747	—059	—006	63° 0	53° 7	58° 4	—2° 2	69	27th	50	td												

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of JULY, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10).			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, JULY, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.					
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.	No. of Nig'ts	Total Fall.	Diff from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	D. from Normal.			
			A	B			Max.	Day.	Min.	Day.						Amt.	Day.								
			Max.	Min.																					
0. SCOTLAND, N.	p Balta Sound	S 31	57.2	48.8	53.0	—	67	12th	43	20th	54.7	—	—	1.99	—	0.46	21st	14	168	—	30	—	—		
	p Crathes	S 140	63.2	47.4	55.3	—	75	13th	41	11, 14, 24	56.8	53.6	0	2.01	—	0.44	25th	14	135	—	26	—	—		
	p Stonehaven	? 86	60.8	48.2	54.5	—	70	5th	35	10th	—	—	—	1.61	—	0.33	1st	14	140	—	27	—	—		
1. SCOTLAND, E.	p Balruddery	S 276	63.6	47.9	55.8	—	74	10th	38	24th	—	—	—	4.18	—	1.43	25th	17	142	—	27	—	—		
	Edinburgh	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	a West Linton	S 800	61.3	46.4	53.9	- 3.4	75	11th	38	8th	—	—	0	4.05	—	1.04	5th	14	165	—	32	—	—		
2. ENGLAND, N.E.	a Alnwick Castle	—	210	61.6	49.4	55.5	- 2.6	69	21st	43	14th	—	—	—	2.30	- 0.51	0.42	25th	17	—	—	—	—	—	
	p Newcastle-on-Tyne	—	152	61.3	51.4	56.4	—	70	27th	46	3rd	—	—	—	2.20	- 0.75	0.63	25th	15	83	- 63	16	—	—	
	p Ampleforth	—	349	63.0	49.0	56.0	—	74	13th	45	3rd	—	—	—	2.60	—	1.02	5th	10	—	—	—	—	—	
3. ENGLAND, E.	p Tealby	—	251	62.1	50.3	56.2	- 4.2	72	31st	44	1st	—	—	—	3.43	+ 0.83	0.97	5th	12	—	—	—	—	—	
	a Fulbeck	—	180	65.8	50.6	58.2	- 2.8	77	13th	42	19th	—	—	0	2.23	- 0.20	0.61	5th	15	—	—	—	—	—	
	a Rauceby	—	124	65.2	50.4	57.8	—	74	31st	43	19th	61.4	56.7	0	2.80	+ 0.23	0.60	5th	15	160	—	32	—	—	
4. MIDLAND COUNTIES	a Felixstowe	—	10	64.1	53.2	58.7	- 3.3	74	31st	47	4th, 7th	—	—	—	2.15	—	0.49	5th	15	148	—	30	—	—	
	a Rothamsted	—	424	64.1	50.9	57.5	- 3.6	73	28th	45	19th, 24th	—	—	—	1.83	- 0.80	0.55	5th	14	123	- 92	25	—	—	
	a Shoburness	—	13	64.0	52.9	58.5	- 4.8	72	31st	47	4th	—	—	—	1.62	- 0.19	0.37	5th	13	—	—	—	—	—	
5. ENGLAND, S.E.	a Southend-on-Sea	—	90	64.6	53.6	59.1	—	74	31st	48	4, 7, 24	60.3	—	0	1.63	- 0.49	0.39	5th	14	127	—	26	—	—	
	a Harrogate	—	476	62.9	48.6	55.8	- 3.0	72	13th	43	4th, 24th	56.2	55.0	0	3.13	+ 0.37	0.97	5th	14	156	—	31	—	—	
	a Bradford	—	489	62.5	49.7	56.1	—	75	13th	42	4th	58.6	54.7	0	2.64	—	0.97	5th	12	170	—	34	—	—	
6. SCOTLAND, W.	a Cheadle	—	646	63.4	48.4	55.9	- 3.0	75	14th	42	31st	—	—	0	3.93	+ 0.86	0.84	20th	13	—	—	—	—	—	
	a Bawtry	—	65	66.8	49.2	58.0	- 3.0	75	13th	41	19th	—	—	—	2.79	+ 0.23	0.75	5th	15	—	—	—	—	—	
	a Worksop	—	56	65.9	50.3	58.1	- 2.7	75	14th	41	19th	58.8	56.0	0	2.49	+ 0.03	0.42	5th	14	151	- 15	30	—	—	
7. ENGLAND, N.W.	a Mayfield (Staffs.)	—	374	63.8	49.0	56.4	—	75	13th	39	10th	—	—	0	3.46	—	0.94	20th	10	—	—	—	—	—	
	a Belper	—	222	65.9	50.6	58.3	—	78	13th	41	4th	—	—	0	2.92	—	0.65	5th	12	—	—	—	—	—	
	a Kingston-on-Soar	—	125	65.1	50.2	57.7	—	75	13th	39	19th	59.8	—	—	2.53	—	0.55	2nd, 5th	13	—	—	—	—	—	
8. ENGLAND, S.W.	p Rugby	—	379	65.9	49.3	57.2	- 3.5	76	14th	43	24th	—	—	0	2.20	—	0.64	5th	12	—	—	—	—	—	
	a Raunds	—	210	66.6	50.5	58.6	- 3.3	76	31st	42	19th	60.1	—	0	1.84	—	0.58	5th	14	—	—	—	—	—	
	a Winslow	—	379	65.9	50.5	58.2	—	72	14th	44	19th	—	—	0	2.29	—	0.71	5th	12	—	—	—	—	—	
9. ENGLAND, S.W.	a Hereford	—	291	66.3	51.0	58.7	- 2.5	75	14th	44	31st	—	—	0	1.67	- 0.71	0.61	5th	11	—	—	—	—	—	
	a Cirencester	—	446	66.4	49.6	58.0	- 2.3	75	14th, 21st	42	10th, 24th	58.5	55.9	0	2.33	- 0.52	0.87	5th	12	148	- 51	30	- 10	—	
	a Epsom	—	160	65.7	52.4	59.1	—	75	28th	45	4th	—	—	—	2.37	—	0.60	5th	15	—	—	—	—	—	
10. ENGLAND, S.W.	a Wokingham	—	216	65.1	49.7	57.4	—	73	28th	38	4th	—	—	—	2.58	—	0.68	5th	13	—	—	—	—	—	
	a Maidenhead	—	101	68.5	51.9	60.2	—	78	28th	43	19th	—	—	0	1.84	- 0.71	0.63	5th	11	—	—	—	—	—	
	a Marlborough	—	424	64.4	49.3	56.9	- 3.3	74	14th	40	4th, 19th	—	—	0	2.15	- 0.55	0.67	5th	15	120	- 70	24	- 15	—	
11. ENGLAND, S.W.	a Bucklebury	—	409	64.1	50.5	57.3	—	72	14th	43	19th	—	—	0	2.00	—	0.70	5th	15	—	—	—	—	—	
	a Swaraton	—	310	64.5	50.9	57.7	- 2.6	74	14th	42	24th	—	—	—	1.91	- 0.66	0.46	5th, 24th	14	—	—	—	—	—	
	a Margate	—	35	63.7	53.3	58.5	- 3.9	71	31st	48	3rd	59.4	57.0	0	2.83	+ 0.85	0.80	2nd	16	105	- 102	21	- 21	—	
12. ENGLAND, S.W.	Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Wisley	—	150	65.2	52.2	58.7	- 4.8	74	28th	45	4th	60.0	57.9	0	2.93	—	0.74	3rd	13	121	—	25	—	—	
13. ENGLAND, S.W.	a Basingstoke	—	289	64.3	51.2	57.8	—	73	14th	44	19th	58.4	56.2	0	2.14	—	0.37	5th	14	—	—	—	—	—	
	a Dover	—	231	63.3	52.3	57.8	—	73	17th	46	24th	57.7	55.0	0	2.12	—	0.40	5th	15	114	—	23	—	—	
	a Tunbridge Wells	—	421	64.2	50.5	57.4	- 4.0	73	28th	45	24th	61.3	—	0	2.79	+ 0.39	0.69	24th	14	135	- 76	27	- 16	—	
14. ENGLAND, S.W.	a Matfield	—	320	64.1	51.3	57.7	—	72	28th	47	3rd, 4th	—	—	0	2.71	—	0.67	24th	16	—	—	—	—	—	
	p Folkestone	—	121	63.7	53.1	58.4	—	72	17th	47	3rd	—	55.1	—	2.28	+ 0.10	0.69	6th	13	149	—	30	—	—	
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15. ENGLAND, S.W.	a Bexhill	—	27	64.1	53.8	59.0	—	69	18th	48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Worthing	—	36	64.3	53.0	58.7	- 2.8	70	15th, 17th	47	4th	61.9	58.6	0	3.62	+ 1.55	1.19	3rd	17	170	—	35	—	—	
16. ENGLAND, S.W.	a Bognor	—	20	64.0	53.2	58.6	—	70	15th	48	4th	—	56.0	0	2.16	—	0.48	5th	14	160	—	33	—	—	
	Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Totland Bay	—	140	63.5	53.7	58.6	- 2.1	69	15th	45	10th	—	—	0	3.02	+ 0.65	0.92	17th	13	164	—	34	—	—	
17. ENGLAND, S.W.	a Sandown	—	20	65.2	53.9	59.6	—	71	23rd	49	4th	—	—	—	2.74	—	0.63	24th	15	159	—	33	—	—	
	p Bournemouth	—	145	64.9	52.2	58.6	—																		

MONTHLY WEATHER CHARTS, JULY, 1910.

Lxxv

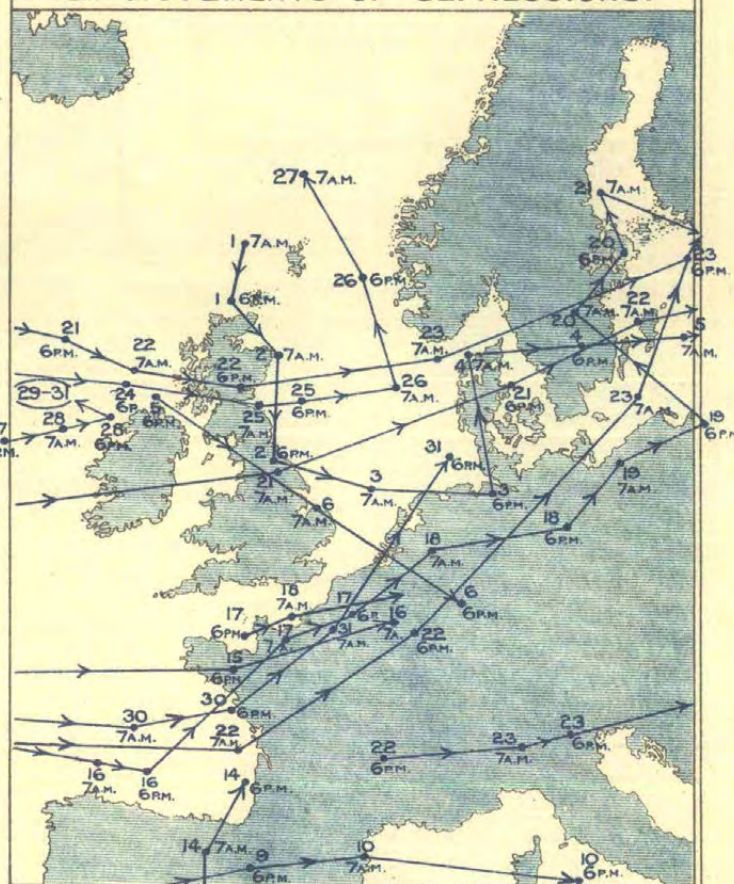
1. BAROMETER AND WIND AT 7 A.M.

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

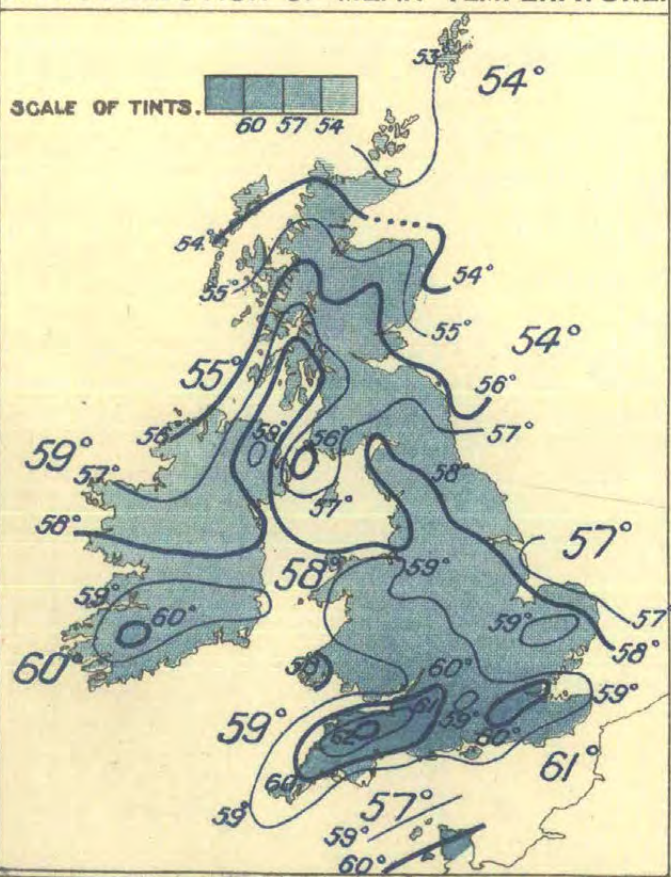


WIND ROSES The arrows fly with the wind and indicate frequency and force, thus:
 Light moderate strong
 30 Obs. = 1 inch

2. MOVEMENTS OF DEPRESSIONS.

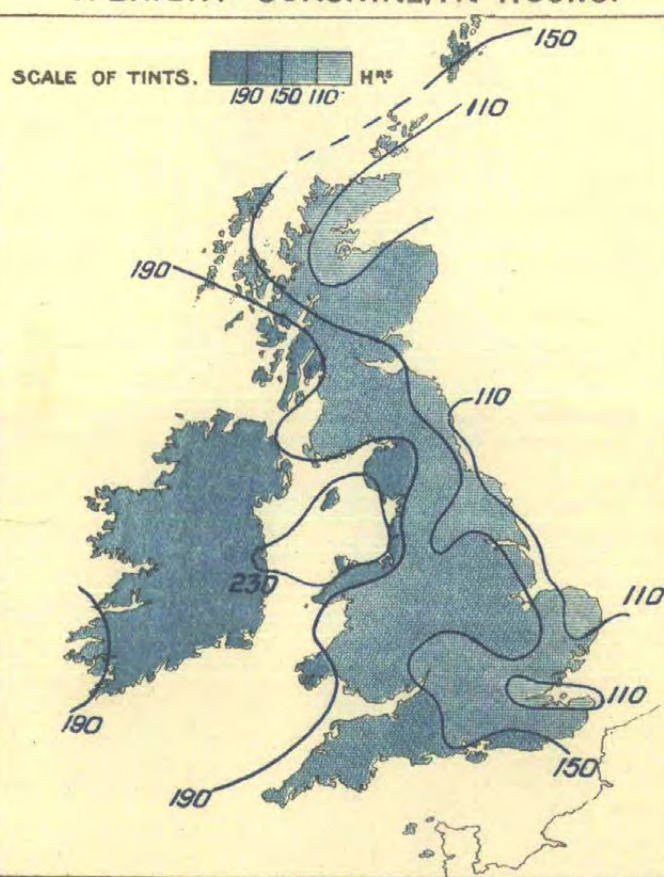


3. DISTRIBUTION OF MEAN TEMPERATURE.



The temperature of the sea is indicated in large figures, thus ... 57°

4. BRIGHT SUNSHINE, IN HOURS.



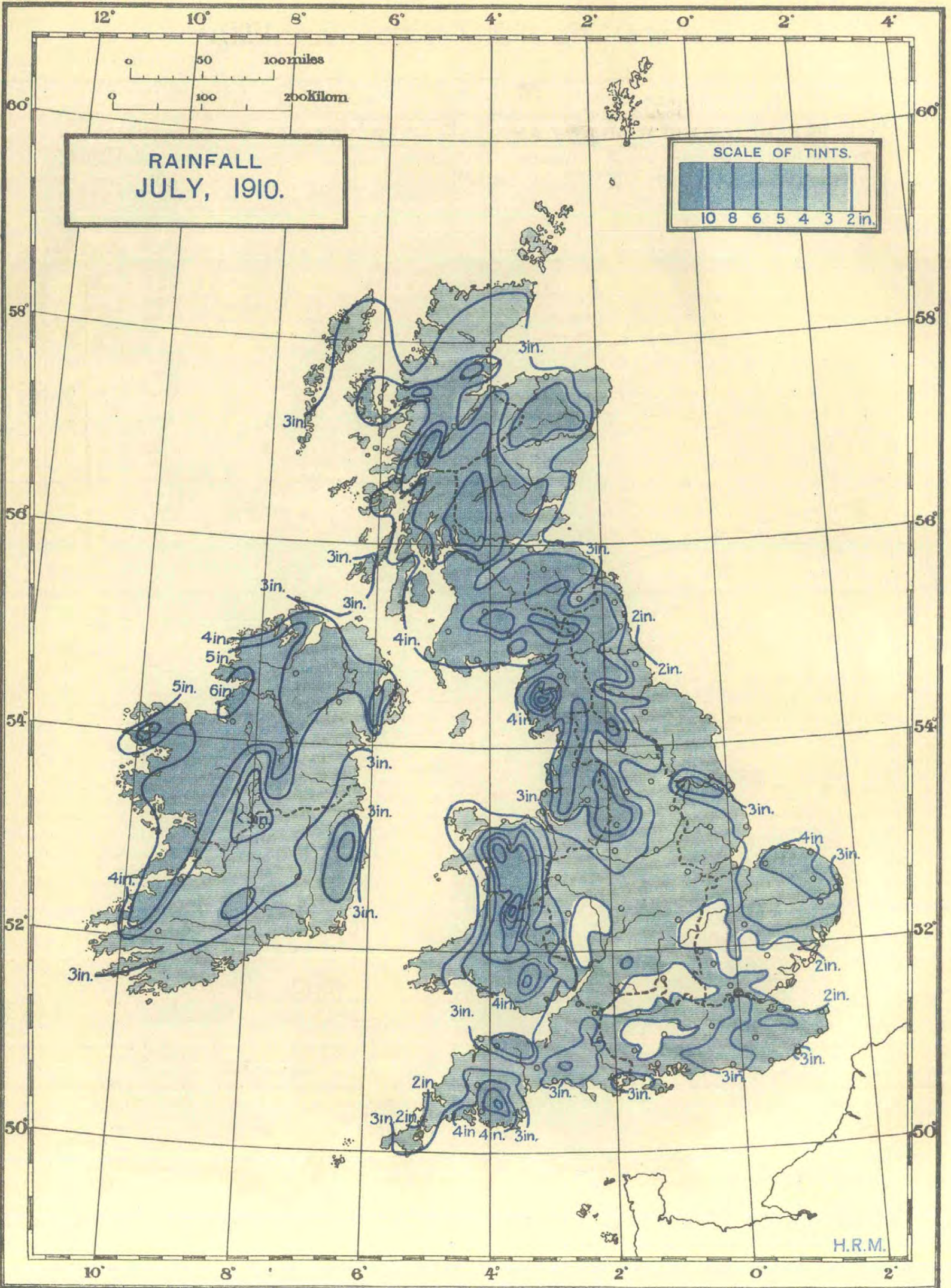


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, JULY, 1910.

DISTRICT.	STATION.	Height of Gauge above. M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.				
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Num-ber of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Nor-mal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Date.					
			Max.	Min.																			
		Ft.	°	°	°	°	°	°	°	°	°	°	Ins.	Ins.	Ins.			Hrs.	Hrs.	%	%		
ENGLAND, S.W.- (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	2'27	—	0'66	5th	9	—	—	—	—		
	" "	900	—	—	—	—	—	—	—	—	—	—	2'76	—	0'81	5th	13	—	—	—	—		
	† a Cardiff	50	64'5	51'6	58'1	— 3'3	75	14th	47	2nd	59'8	56'7	0	2'70	— 0'76	0'86	24th	14	186	—	38	—	
	a Swansea	24	66'6	54'0	60'3	—	79	31st	49	4th, 8th	63'2	58'7	0	4'60	—	0'71	20th	17	152	—	31	—	
	† a Shaftesbury	722	62'8	49'9	56'4	— 3'8	75	14th	45	4th	59'0	—	—	2'63	— 0'21	0'47	16th	16	—	—	—	—	
	† a Arlington	613	63'8	50'8	57'3	— 2'1	78	14th	46	19th	—	—	—	4'87	+ 0'72	1'01	24th	15	—	—	—	—	
	† a Cullompton	202	66'6	51'6	59'1	— 2'6	79	14th	45	1st	—	—	0	2'80	— 0'22	0'60	16th	16	131	— 57	27	— 12	
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	182	— 41	37	— 9	
	a Weymouth	21	65'8	54'0	59'9	—	71	14th	48	10th	—	—	—	2'64	—	0'46	17th	15	183	—	38	—	
	p Paignton	11	64'6	53'1	58'9	—	70	20th	48	10th	—	—	—	2'66	—	0'41	28th	18	181	—	37	—	
	a Sheepstor	749	62'5	48'9	55'7	—	75	14th	42	19th	—	—	—	5'48	—	1'00	24th, 27th	21	—	—	—	—	
	a Newquay	100	64'2	55'1	59'7	— 0'4	76	14th, 15th	50	31st	60'2	—	—	1'66	— 0'92	0'28	24th	14	182	— 32	37	— 7	
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	185	—	38	—	
	a Teignmouth	19	64'7	53'7	59'2	—	71	20th	50	1st	—	—	0	2'44	—	0'39	17th, 27th	18	166	—	34	—	
	a Fowey	—	64'4	54'2	59'3	—	69	18th	49	7th	—	—	—	2'96	—	0'56	27th	18	160	—	33	—	
	a Penzance	54	64'5	55'1	59'8	—	69	13th	51	11th	—	—	—	2'57	—	0'47	15th	19	167	—	34	—	
IRELAND, N.	p Dunfanaghy	54	60'8	50'5	55'7	—	69	15th, 27th	45	18th	—	—	—	3'82	—	0'46	25th	18	—	—	—	—	
	p Dublin (Glasnevin)	67	65'2	50'4	57'8	— 1'4	74	12th	44	8th, 11th	—	—	0	2'42	— 0'33	0'58	5th	16	—	—	—	—	
	a Kingstown	42	63'9	52'5	58'2	—	69	12th, 13th	48	8th, 11th	—	—	—	1'89	—	0'50	5th	11	227	—	45	—	
	p Clongowes Wood College	245	64'6	47'9	56'3	—	75	14th	41	8th	—	—	0	2'36	—	0'70	20th	17	208	—	42	—	
D. IRELAND, S.	a Mountmellick	253	66'0	50'1	58'1	—	80	13th, 14th	46	8, 9, 18	—	—	—	2'42	—	0'44	20th	16	—	—	—	—	
	p Newcastle (Co. Wicklow)	256	63'6	50'1	56'9	—	71	14th	45	9th	—	—	—	1'43	—	0'53	28th	14	—	—	—	—	
	a Kilkenny	212	65'7	51'2	58'5	— 1'2	77	14th	46	8, 9, 11	—	—	—	2'37	— 0'33	0'54	20th	18	—	—	—	—	
	† a Cahir	199	66'1	51'0	58'6	— 1'0	77	14th	45	12th	—	—	—	3'16	—	0'89	28th	18	—	—	—	—	
ENGLISH CHANNEL	† a Foynes	108	64'7	52'4	58'6	+ 0'1	78	14th	47	8th	—	—	—	3'43	+ 0'44	0'58	28th	21	—	—	—	—	
	a Ballinacurra	34	65'4	51'3	58'4	—	74	10th	46	9th	—	—	—	2'35	—	0'61	28th	14	199	—	40	—	
	† a Guernsey (Villa Carey)	180	64'0	54'2	59'1	— 2'3	73	14th	50	16th	—	—	—	2'62	+ 0'27	0'74	24th	14	188	— 68	39	— 14	

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters a and p indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal—were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

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 A and B. 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 issues 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 A. 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 ‡ 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 well as with the Meteorological Office.

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, LTD.,
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THIRTY-FIFTH YEAR.

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Weekly Weather Report.

No. VIII.

AUGUST, 1910.

[Price 6d.]

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The type of pressure distribution in August was of a very unstable character, and the weather over the United Kingdom was cool and extremely changeable, few places experiencing more than three or four consecutive days without rain. In addition to the anticyclone which occupied a normal position in the neighbourhood of the Azores, a second high pressure system lay almost constantly over Iceland and the Arctic Sea, the conditions being thus favourable for the development of cyclonic areas over Western Europe and the northern portions of the Atlantic. In many cases the centres of these disturbances advanced eastwards or north-eastwards across the United Kingdom, causing heavy falls of rain, and considerable variability in the direction of the wind, which occasionally blew with considerable strength for the time of year.

The mean pressure values for the month shew that in the Azores the barometer stood at about 30.20 ins., and was not much below the normal. Over the United Kingdom the values ranged from between 29.90 ins. and 29.98 ins. over the Channel and South of England to a little below 29.75 ins. in the north of Ireland and the south-west of Scotland, where the readings were more than a tenth of an inch below the average. Further to the northward the decrease in pressure which exists normally in August was replaced by a decided increase, the mean readings in Iceland being slightly above 30.0 ins., or more than 0.2 in. higher than in the north of Scotland. At Reykjavik the value exceeded the average by about a quarter of an inch. In our own islands the barometer seldom rose to any high level. Readings above 30.15 ins. were recorded in the north of Scotland on the 9th or 10th, but it was not until the close of the month that the mercury rose above 30.2 ins. On the 31st that value was exceeded in all but the extreme northern and north-eastern districts, the readings being above 30.3 ins. in the south-western parts of the United Kingdom, and as high as 30.4 ins. in the Channel Islands. The lowest readings were observed during the passage of a deep cyclonic system which appeared over the country on the 26th, the barometer falling below 29.2 ins. in the north of Ireland, and below 29.6 ins. in nearly all other parts of the Kingdom. The extreme range of pressure was not large; in the south of England it did not amount to more than 0.7 in., but in the north of Ireland (owing to the movement of the disturbance just noted) it was rather over 1.0 in.

Over England and Ireland the prevailing winds were mainly from between South and West, but in Scotland the direction varied greatly, and in Shetland there was a large proportion of breezes from the North-Eastward. During the progress northwards of a small depression which appeared off our south-west coasts on the 1st a gale from South-West and West was experienced in the western part of the Channel, the wind at Scilly attaining in gusts a velocity of 60 miles per hour. In the rear of the disturbance of the 26th—27th an unusually steep barometrical gradient was formed over our north-west coasts, and on the evening or night of the 26th the Westerly to North-Westerly wind attained, in squalls, a velocity of 65 miles an hour at Fleetwood and Llanegrad, and 66 miles at Holyhead. During the passage of a small secondary depression across the south of England on the 28th the anemometer at Brighton registered a velocity in gusts of 61 miles per hour.

Owing to the almost constant prevalence of cool winds blowing from the surface of the ocean, and also to the presence of much cloud, the month was characterised by an almost entire absence of seasonable warmth. Over by far the larger portion of the United Kingdom no shade temperature as high as 80° was recorded, and very few readings as high even as 75°. Between the 10th and 12th and again between the 14th and 16th the thermometer rose to 75° or a trifle above it in many parts of England, and touched 78° at Whitby. The only temperature exceeding 80° was recorded in a district in which extreme warmth might have been least expected. On the 6th, the thermometer rose to 77° at Baltasound, and to 82° at Sumburgh Head, the reading at the latter station being no fewer than 12° in excess of any previously observed in the neighbourhood since the record commenced in 1871. The purely local nature of this remarkable

visitation may be gauged by the fact that at Deerness (Orkney) and at Wick the maximum reading on the same day was no higher than 58°. At Sumburgh Head the warmth was prolonged over two days, the thermometer on the 7th rising to the unusually high level of 73°. Maximum temperatures below 60° were recorded in several parts of Ireland and North Britain on the 2nd, at a few northern stations on the 6th, and in many districts in the closing week; in a few isolated places the thermometer on each occasion failed to rise above 55°. Owing to the presence of cloud, which served to hinder the progress of terrestrial radiation, the night temperatures were as a rule fairly high, but early on the 4th, and again on the 23rd, the sheltered thermometer in various parts of North Britain fell slightly below 40° and at West Linton it sank on the latter date to 32°, the minimum reading on the grass being a couple of degrees lower.

The mean temperature of the sea water round our coasts was a trifle higher than in July, and at the western and southern stations it agreed almost precisely with that of the air on shore. Round the north and east coasts of Great Britain the water was slightly cooler than the air.

Rainfall.—The aggregate rainfall of the month was below the average at many places in the south and east of England, the smallest totals reported being 1.5 in. at Cambridge, Yarmouth and Lowestoft, and 1.6 in. at Shoeburyness. In the western and northern portions of the United Kingdom there were considerable local variations but, generally speaking, the total was largely in excess of the average, more than 7 ins. being recorded at a considerable number of stations. At Eskdalemuir the aggregate amounted to 8.6 ins., at Cruachan (Loch Awe), Rothesay and Sheepstor, to 8.9 ins., at Graythwaite to 9.0 ins., and at Crieff to as much as 11.3 ins., the fall at the last mentioned station being equal to nearly three times as much as the average. The number of days with rain was in excess of the normal in all but the driest districts. Only 12 such occasions were noted at Lowestoft and Clacton-on-Sea, and 13 at Dungeness and Rugby, but at several western and northern stations the number exceeded 25. At Cahir there were as many as 28, and at Foynes as many as 29, while at Killarney there was not one day without a measurable quantity.

Heavy rain storms were experienced at various times during the month, chiefly on the 1st, the 18th, and between the 23rd and 28th. On the 1st more than an inch was recorded at Scilly and in the east and south-east of Ireland, and as much as 2.2 ins. at Newcastle (County Wicklow), 1.8 in. at Waterford, and 1.7 in. at Killiney, Dublin. On the 18th a considerable fall was experienced at many places situated in the western and northern parts of Great Britain, as much as 1.4 in. at Graythwaite and 1.2 in. at Barnstaple and Port Talbot. The heaviest falls occurred, however, between the 23rd and 28th, and were especially noticeable in Scotland, where serious floods were reported. On the 24th as much as 2.4 ins. fell at Crieff, and between the 25th and 28th daily falls of considerably over an inch were reported at many northern stations; as much as 2.3 ins. at Markree Castle and 1.7 in. at Crieff and Inagh (Co. Clare) on the 25th; 2.2 ins. at Stornoway on the 26th; and 1.9 in. at Eskdalemuir, 1.8 in. at Dursley and 1.7 in. at Kirkby, Lonsdale, Newton Rigg and Abergavenny on the 28th. Between the 23rd and 25th the fall at Crieff amounted to 5.19 ins., of which no less than 3.50 ins. occurred in the space of 23 hours. Thunderstorms were experienced in many parts of the United Kingdom between the 3rd and 5th, on the 14th and 15th, and in the fourth week of the month, the accompanying falls of rain and hail being locally very heavy.

Bright Sunshine.—One or two stations in the north of Scotland experienced slightly more than the average duration of bright sunshine, but over the country as a whole the amount was very deficient. On the east and south-east coast of England and over the western portions of the Channel more than 180 hours were recorded, the highest values being 203 hours at Guernsey (Villa Carey), 202 hours at Ramsgate, and 199 hours at Felixstowe. In the west of Ireland and in most parts of central and southern Scotland the total amounted to less than 100 hours. At urban stations the duration ranged from 152 hours at Bunhill Row, and 140 hours at Camden Square to 115 hours at Birmingham, 86 hours at Manchester (Prestwich) and 71 hours at Glasgow.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at Level of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.												
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.			
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.	
O. SCOTLAND, N.	CASTLEBAY - -	48	29'669	- '104	- '001	59'4	52'9	56'2	- 0'7	68	10th	49	22nd, 23rd	55'3	57'9	55'5	1'8	3'0	1'8	'386	'393	'390	88	81	88	
Islands.	Deerness - -	163	29'603	-	- '004	57'6	50'8	54'2	+ 0'2	64	1st	45	23rd	54'8	-	52'6	1'9	-	1'0	'381	-	'370	88	-	93	
	SUMBURGH HEAD	126	29'646	- '007	- '001	61'3	50'7	56'0	+ 3'0	82	6th	45	22nd, 23rd	54'9	57'5	53'9	2'0	2'8	1'3	'375	'392	'378	87	82	91	
	STORNOWAY - -	52	29'700	- '051	- '001	61'2	51'2	56'2	+ 1'6	60	9th	41	23rd	54'7	60'1	53'9	1'3	3'2	1'5	'391	'419	'373	92	81	90	
Mainland.	Wick - -	80	29'673	- '055	+ '003	60'1	49'4	54'3	- 0'1	66	1st	41	23rd	53'4	-	54'7	1'0	-	1'4	'380	-	'388	93	-	91	
	Strathpeffer - -	210	29'522	-	- '005	62'9	51'0	57'0	+ 2'0	69	1st	44	23rd	57'8	-	54'7	2'3	-	2'1	'404	-	'369	84	-	86	
	Glencarron - -	504	29'210	-	- '004	62'2	50'2	56'2	+ 1'3	72	10th, 11th	43	22nd	56'3	-	54'0	3'1	-	2'6	'366	-	'344	80	-	82	
	Fort Augustus - -	78	29'679	-	- '004	62'9	51'4	57'2	+ 0'3	70	12th	43	4th	56'9	-	56'2	2'2	-	1'6	'398	-	'405	86	-	90	
	Fort William - -	88	29'715	-	- '004	64'9	51'6	58'3	+ 1'0	75	9th	44	23rd	58'4	-	56'1	3'2	-	2'4	'394	-	'382	80	-	84	
	Dunrobin Castle	16	29'737	-	- '004	61'1	50'8	56'0	+ 0'2	68	1st	43	23rd	56'5	-	55'2	2'1	-	1'7	'397	-	'338	87	-	89	
District Value - -						62'2	50'8	56'1	+ 1'6	82																
1. SCOTLAND, E.	Tillypronie - -	1120	28'576	-	- '005	60'8	47'1	54'0	+ 0'5	68	9th	42	22nd	53'8	-	52'2	1'8	-	1'5	'366	-	'353	88	-	90	
Northern Part.	Dundee - -	164	29'603	-	- '005	63'3	51'4	57'4	- 0'2	72	12th	45	22nd	57'4	-	55'0	2'1	-	1'4	'410	-	'395	87	-	91	
	Nairn - -	82	29'649	- '080	+ '003	63'5	49'7	56'6	- 0'1	70	8th	37	23rd	53'6	61'5	58'9	0'9	4'7	3'0	'386	'399	'406	94	73	81	
	Gordon Castle - -	107	29'642	-	- '005	64'4	48'5	56'5	- 0'2	72	8th	37	23rd	59'3	-	54'9	3'4	-	2'3	'401	-	'367	79	-	85	
	Aberdeen - -	90	29'685	- '065	- '005	60'7	51'8	56'3	- 0'2	67	18th	45	23rd	57'1	59'0	54'9	3'0	4'0	2'0	'379	'380	'375	81	76	87	
	Balmoral - -	927	-	-	-	64'0	46'9	55'5	+ 1'7	73	11th	37	4th	53'7	-	-	2'8	-	-	'337	-	-	81	-	-	
	Crieff - -	436	29'300	-	- '005	64'1	51'0	57'6	+ 0'1	75	12th	45	23rd	56'8	-	55'0	2'2	-	1'1	'397	-	'400	86	-	92	
	Leith - -	87	29'697	- '113	+ '003	63'4	52'5	58'0	- 0'7	73	12th	40	23rd	55'7	-	59'7	1'8	-	3'3	'393	-	'411	88	-	80	
	Marchmont - -	500	29'247	-	- '005	63'3	49'8	56'6	+ 0'3	72	11th	45	10th, 23rd	58'1	-	54'5	3'3	-	2'0	'387	-	'368	79	-	87	
	District Value - -						63'1	49'8	56'1	+ 0'3	75															
	2. ENGLAND, N.E.	Seaham - -	138	29'647	-	- '006	64'3	52'1	58'2	+ 0'2	72	12th	47	23rd	58'8	-	55'8	3'1	-	1'6	'404	-	'402	81	-	89
Northern Part.	Whitby - -	146	29'641	-	- '006	69'3	52'1	60'7	+ 2'3	78	11th	46	11th	60'3	-	57'5	3'9	-	2'6	'404	-	'399	78	-	84	
	Cockle P'rk (Morpeth)	381	29'446	-	- '006	63'4	50'4	56'9	-	71	12th	43	10th	58'3	-	54'4	2'7	-	1'2	'406	-	'390	83	-	92	
	Shields - -	117	29'661	- '083	+ '003	64'2	50'4	57'3	- 0'5	73	12th	46	25th	55'3	-	60'2	1'4	-	3'7	'397	-	'407	90	-	78	
	Durham - -	352	29'415	-	- '006	65'2	51'2	58'2	- 0'1	74	13th	41	23rd	58'8	-	55'7	2'7	-	1'6	'415	-	'399	83	-	90	
	Rounton - -	246	29'531	-	- '006	65'3	50'8	58'1	+ 0'5	73	14th	43	11th	58'4	-	56'1	2'9	-	2'0	'401	-	'391	82	-	87	
	Scarborough - M	127	29'673	-	- '006	67'0	53'2	60'1	+ 1'4	72	14, 15, 16	49	29th	59'0	-	58'3	2'9	-	2'4	'410	-	'414	83	-	84	
	York - -	58	29'772	-	- '006	67'9	52'4	60'2	+ 0'5	75	14th	45	23rd	59'7	-	57'7	2'9	-	2'2	'422	-	'412	83	-	86	
Southern Part.	Spurn Head - -	28	29'792	- '080	+ '003	65'9	54'5	60'2	+ 0'3	71	17th	50	27th, 29th	57'3	63'6	61'3	1'6	4'4	2'6	'421	'442	'457	89	75	84	
	Lincoln - -	42	-	-	-	68'6	53'1	60'9	+ 0'4	76	14th	47	25th	61'1	-	-	2'5	-	-	'458	-	-	85	-	-	
	Skewness - -	16	29'833	- '064	+ '003	66'1	53'3	59'7	-	72	15th	48	23rd, 25th	57'3	-	62'9	0'8	-	1'8	'446	-	'511	95	-	90	
	Hull - -	12	-	-	- '006	68'9	53'2	61'1	+ 1'5	75	14th	47	23rd	61'1	-	58'6	3'3	-	2'2	'432	-	'425	80	-	86	
District Value - -						66'3	52'2	58'9	+ 1'1	78																
3. ENGLAND, E.	Lowestoft - -	75	29'808	-	- '007	67'1	54'3	60'7	+ 0'1	74	15th	49	7th	63'2	-	59'0	4'3	-	2'0	'437	-	'436	75	-	87	
Northern Part.	Cromer - -	139	29'719	-	- '007	67'2	52'7	60'0	-	73	18th	48	28th	60'1	-	57'6	2'9	-	2'0	'428	-	'415	82	-	87	
	Hillington - -	92	29'771	-	- '007	68'5	51'8	60'2	- 0'3	75	11th	40	25th	60'2	-	57'6	2'6	-	1'3	'437	-	'434	84	-	91	
	Norwich - -	98	-	-	-	68'8	53'4	61'1	-	74	1st	48	28th	-	-	-	-	-	-	-	-	-	-	-	-	
	YARMOUTH - -	27	29'849	- '054	- '002	67'6	54'2	60'9	+ 0'4	74	15th	50	7th, 25th	58'5	65'5	61'0	2'0	5'3	2'8	'429	'446	'445	87	71	83	
	Gedeston - -	47	29'843	-	- '007	69'4	53'2	61'3	+ 0'7	75	15th	47	7th	61'7	-	58'1	3'7	-	1'9	'431	-	'426	78	-	87	
Southern Part.	Cambridge - -	43	29'831	-	- '007	69'0	52'6	60'8	- 0'7	78	20th	42	25th	61'4	-	58'2	3'8	-	2'4	'426	-	'415	79	-	85	
	CLACTON - -	62	29'839	- '060	- '002	68'1	55'0	61'6	- 0'6	75	15th	50	7th, 11th	59'0	65'4	60'9	2'0	5'4	2'8	'436	'442	'443	88	71	84	
	Woburn - -	294	29'598	-	- '007	67'4	52'0	59'7	-	74	11th	44	23rd	60'8	-	57'8	3'9	-	2'2	'414	-	'414	78	-	86	
	Bennington - -	411	29'504	-	- '007	67'6	52'1	59'9	- 0'9	74	11th	47	23rd	59'9	-	57'1	3'4	-	2'2	'410	-	'401	79	-	86	
	Berkhamsted - -	397	29'492	-	- '007	67'5	52'1	59'8	- 0'7	74	11th	45	23rd	59'7	-	57'1	3'4	-	1'8	'407	-	'413	79	-	88	
District Value - -						68'3	53'4	60'4	+ 0'7	78																
4. MIDLAND COS.	Garforth - -	198	-	-	- '006	66'5	51'3	58'9	-	74	11th	43	11th	59'6	-	57'7	3'4	-	2'4	'408	-	'405	80	-	85	
Eastern Part.	Huddersfield - -	411	29'390	-	- '006	65'4	52'1	58'8	-	75	11th	43	29th	58'0	62'4	56'9	3'2	5'7	2'4	'396	'391	'391	81	70	85	
	Wakefield - -	100	29'729	-	- '006	67'7	52'9	60'3	+ 1'4	75	11th	46	22nd	60'4	-	59'4	3'1	-	3'0	'427	-	'413	81	-	81	
	Belvoir Castle - -	276	29'574	-	- '007	67'1	52'7	59'9	- 0'2	74	11th, 14th	46	1st	58'9	-	57										

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of AUGUST, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.												STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
°	°	Hrs.	Hrs.	%	%	8'3	8'4	8'2	Ins.	Ins.	Ins.	25th	21	o	o	o	o	17	2	—	1	34	1	5	16	23	10	6	5	9	18	Castlebay (Isd.)		
—	—	122	+ 3	26	+ 1	8'1	—	8'5	3'27	+0'34	1'11	5th	14	o	o	1	o	19	10	—	o	18	9	5	7	14	12	3	1	4	7	Deerness.		
—	—	—	—	—	—	6'3	5'8	6'9	4'08	+0'91	1'15	17th	18	o	o	o	1	o	7	—	o	16	4	4	30	15	13	11	3	4	9	Sumburgh Head.		
—	—	129	- 5	27	- 2	8'3	7'5	8'3	5'91	+2'03	2'26	26th	22	o	o	1	o	17	o	—	o	33	8	7	17	20	12	9	6	5	9	Stornoway.		
—	—	—	—	—	—	8'9	—	8'2	4'02	+1'28	0'85	5th	24	o	o	1	o	21	7	—	o	7	3	15	o	14	7	13	o	7	1	Wick.		
—	—	107	-15	23	- 3	8'5	—	7'5	5'00	+2'37	0'75	28th	23	o	o	o	o	16	o	—	o	11	25	3	5	7	8	2	5	5	2	Strathpeffer.		
—	—	—	—	—	—	8'2	—	7'4	5'43	-1'88	0'73	18th	24	o	o	1	1	19	5	—	1	10	o	16	4	20	o	4	o	18	o	Glen carron.		
—	—	91	+ 1	20	+ 1	7'7	—	8'1	3'23	-0'33	0'43	18th	20	o	o	1	1	18	1	—	o	17	5	o	32	1	o	5	17	o	2	Fort Augustus.		
—	—	—	—	—	—	8'o	—	8'4	7'13	+1'11	1'21	16th	23	o	o	1	o	17	1	—	o	2	24	o	8	4	3	2	11	10	o	Fort William		
59'2	—	—	—	—	—	8'5	—	9'3	4'70	+1'97	0'65	26th	21	o	o	o	o	22	2	—	o	12	6	4	9	25	7	1	2	2	6	Dunrobin Castle.		
—	—	112	- 3	24	- 1	8'1	7'2	8'1	4'97	+0'68	2'26	22	22	o	o	o	o	o	o	o	o	12	6	4	9	25	7	1	2	2	6	Tillypronie.		
—	—	—	—	—	—	7'9	—	6'9	4'16	+0'71	0'81	28th	21	o	o	o	o	14	7	o	4	32	o	4	2	3	25	4	10	o	14	Dundee.		
—	—	—	—	—	—	5'4	—	9'1	7'51	+4'16	1'36	29th	22	o	o	1	o	18	5	—	1	13	o	o	12	6	22	3	12	6	1	Nairn.		
—	—	99	—	21	—	8'1	6'4	7'4	3'14	+0'49	0'46	25th	25	o	o	o	o	6	o	—	o	o	34	2	10	16	7	6	8	10	o	Gordon Castle.		
—	—	145	—	31	—	7'9	—	6'9	4'00	+0'57	1'05	5th	19	o	o	1	1	10	o	—	o	2	o	1	2	1	26	4	10	5	13	Aberdeen.		
—	53'9	137	-16	30	= 3	7'2	6'7	7'6	3'51	+0'43	0'54	25th	20	o	o	o	1	8	4	—	o	10	11	4	4	9	23	15	6	9	12	Balmoral.		
—	—	—	—	—	—	7'8	—	—	4'67	+0'89	0'76	28th	19	o	o	o	1	17	o	o	3	6	o	8	4	6	12	10	4	14	4	Crieff.		
—	—	—	—	—	—	8'1	—	8'5	11'30	+7'31	2'38	24th	23	o	o	2	o	20	1	—	o	20	o	1	1	30	o	7	4	17	2	Leith.		
—	—	—	—	—	—	7'9	—	7'5	4'55	+1'66	0'91	24th	21	o	o	1	o	14	3	—	o	11	1	2	10	13	8	5	17	10	2	Marchmont.		
57'8	—	141	- 7	31	- 1	7'5	—	7'4	3'89	+0'27	0'65	28th	21	o	o	2	o	15	o	o	o	4	o	6	o	18	1	15	1	20	1	Seaham.		
—	—	123	-26	27	- 5	7'9	6'6	7'7	4'98	+1'81	2'38	22	22	o	o	o	o	o	o	o	o	4	o	6	o	18	1	15	1	20	1	Whitby.		
—	—	—	—	—	—	6'5	—	7'4	2'96	+0'22	0'70	28th	16	o	o	1	o	10	1	—	o	23	2	5	3	5	6	13	13	11	4	Cockle P'k (Mor-)		
—	—	163	—	36	—	6'9	—	6'2	2'30	-0'03	0'46	28th	14	o	o	1	2	9	4	—	o	1	1	2	2	o	12	o	29	6	10	Shields. (peth.)		
57'1	55'3	156	—	34	—	7'1	—	7'4	3'07	+0'05	0'63	28th	23	o	o	o	o	11	1	o	o	23	4	1	5	1	14	11	3	16	7	Durham.		
—	—	—	—	—	—	8'1	—	8'1	2'45	-0'39	0'43	28th	18	o	o	o	o	10	5	—	o	14	o	3	5	5	10	12	15	9	4	Rounton.		
—	—	143	- 7	31	- 2	8'o	—	6'9	2'45	-0'30	0'60	28th	16	o	o	1	o	13	o	o	o	13	11	5	1	2	6	10	10	14	3	Scarborough.		
59'7	—	—	—	—	—	8'2	—	8'o	3'02	+0'24	0'60	21st	19	o	o	4	o	18	2	o	1	14	4	5	4	o	10	16	12	4	7	York.		
—	58'4	146	—	32	—	7'7	—	8'2	4'14	+1'34	1'02	14th	17	o	o	1	o	11	12	?	o	32	1	1	10	o	7	1	23	4	15	Spurn Head.		
60'0	57'5	136	-15	30	- 3	7'0	—	6'6	2'82	+0'20	0'52	14th	23	o	o	2	1	10	o	—	o	5	1	8	1	4	3	23	5	14	3	Lincoln.		
—	—	—	—	—	—	7'6	6'4	6'6	3'36	+1'40	0'54	23rd	22	o	o	4	o	3	2	—	o	70	o	9	4	3	15	14	29	15	4	Skegness.		
61'0	57'2	—	—	—	—	5'5	—	4'5	3'22	+0'05	0'71	23rd	19	o	o	o	7	9	o	—	2	4	9	1	4	1	3	3	17	23	1	Hull.		
—	—	172	—	38	—	6'6	—	6'3	2'67	—	0'29	20th	24	o	o	o	1	9	o	—	o	11	o	3	4	3	8	8	12	20	4	Lowestoft.		
59'9	56'2	124	—	27	—	7'4	—	6'3	3'61	+0'77	0'57	25th	24	o	3	5	1	8	o	o	o	4	4	3	7	o	4	3	18	13	10	Cromer.		
59'9	56'8	151	-10	33	- 3	7'2	—	6'9	3'20	+0'46	1'02	20	20	o	o	o	o	o	o	o	o	40	3	3	4	4	5	6	15	17	5	Hillington.		
63'4	60'3	215	—	48	—	6'7	—	4'6	1'45	-0'87	0'38	24th	12	o	o	3	o	5	o	o	o	40	3	3	4	4	5	6	15	17	3	Norwich.		
—	—	168	—	37	—	7'6	—	6'8	1'55	—	0'32	3rd	24	o	o	o	o	12	2	—	o	30	o	5	5	1	6	14	11	17	3	Yarmouth.		
—	—	161	-18	36	- 4	7'0	—	5'9	1'67	-1'23	0'22	11th, 28th	20	o	o	5	1	9	o	o	o	14	1	7	o	o	3	23	8	6	Geldeston.			
—	—	—	—	—	—	—	—	—	1'66	—	0'34	24th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cambridge.		
63'6	60'6	198	—	44	—	6'1	5'4	5'5	1'50	-0'93	0'30	24th, 26th	16	o	o	2	o	2	o	—	o	41	1	4	10	2	17	15	20	21	3	Clacton.		
—	—	184	- 7	41	- 2	7'9	—	6'3	2'23	+0'05	0'32	25th	22	o	o	3	2	13	o	—	o	1	4	3	4	4	3	14	17	12	1	Woburn.		
61'4	59'2	162	-27	36	- 6	7'6	—	4'5	1'54	-0'85	0'36	4th	17	o	o	5	1	8	o	o	o	12	8	5	o	o	6	18	18	5	2	Bennington.		
61'4	59'5	183	—	41	—	7'2	6'8	6'3	2'16	—	0'67	22nd	12	o	o	1	o	6	o	o	43	o	3	3	3	12	21	23	19	9	Berkhamsted.			
—	—	144	—	32	—	8'2	—	6'5	2'33	—	0'55	5th	21	o	o	3	o	12	o	—	1	17	6	2	5	3	5	8	15	14	4	Garforth.		
61'6	59'6	153	—	34	—	8'1	—	7'2	1'86	-0'69	0'31	25th	17	o	o	5	o	14	1	o	o	3	11	o	5	1	3	13	18	9	2	Huddersfield.		
62'0	—	148	—	33	—	7'3	—	6'2	2'70	+0'13	0'58	18th	20	o	o	3	o	9	o	o	o	7	1	3	1	4	14	14	16	2	Wakefield.			
62'7	59'8	172	-13	38	- 3	7'4	—	6'0	1'89	-0'45	0'96	19	19	o	o	o	o	o	o	o	o	4	4	1	6	3	4	20	10	13	1	Belvoir Castle.		
57'0	54'6	135	—	30	—	7'5	—	6'4	3'51	—	0'67	14th	21	o	o	4	o	10	o	—	o	4	4	1	6	3	4	20	10	13	1	Coventry.		
59'6	55'7	131	—	29	—	7'9	8'4	7'0	4'33	—	0'95	23rd	23	o	o	1	o	18	o	o	o	12	12	3	8	3	8	14	13	24	8	Nottingham.		
—	—	—	—	—	—	7'4	—	7'2	3'31	+0'74	0'46	14th	21	o	o	4	o	11	5	—	3	5	2	7	4	1	4	13	13	18	o	Birmingham.		
58'2	56'0	162	—	36	—	7'6	—	6'4	3'20	+0'63	0'61	23rd	23	o	o	5	o	10	4	o	o	19	7	6	o	o	o	8	27	13	1	Oxford.		
60'5	57'1	135	—	30	—	8'6	—	—	4'04	+1'47	0'88	23rd	20	o	1	2	o	22	o	o	o	19	o	o	o	1	5	15	5	5	o	Bath.		
60'0	58'6	128	—	28	—	8'3	8'2	6'2	3'38	+0'77	1'02	23rd	24	o	o	2	o	11	o	o	o	22	o	4	4	5	7	20	25	25	3	Shrewsbury.		
55'6	52'7	115	—	26	—	8'2	—	6'8	4'																									

* (3 ft.)

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.												
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.			
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.	
		Ft.	Inch.	Inch.		°	°	°	°	°		°		°	°	°	°	In.	In.	In.	%	%	%			
5. ENGLAND, S.E.—cont.	Eastbourne	36	29°901	—	—	007	65°7	56°2	61°0	—1°2	72	10th	51	7th	62°5	—	61°5	3°0	—	1°6	466	—	476	83	—	90
	Dungeness	21	29°878	—0053	+	003	65°7	55°8	60°8	—1°2	70	10th	46	7th	60°3	64°5	62°5	1°5	1°9	1°4	475	538	517	91	80	92
	Hastings	174	29°750	—	—	007	65°6	54°7	60°2	—1°4	71	13th	49	23rd	62°3	—	59°0	3°5	—	1°7	446	—	445	79	—	90
	Southampton	84	29°839	—	—	007	67°7	54°4	61°1	—1°3	75	13th	47	23rd	62°2	—	59°5	3°9	—	2°4	437	—	436	78	—	86
	Ventnor	80	29°827	—	—	—	65°6	56°3	61°0	—1°4	72	10th	51	23rd	61°8	—	—	2°7	—	—	462	—	—	84	—	—
	District Value						67°0	53°9	60°0	—0°8	78		40													
LONDON	Tottenham	55	29°842	—	—	007	69°2	55°4	62°3	0°0	75	12th	50	7th	63°0	—	60°4	4°6	—	2°9	428	—	433	75	—	83
	Hampstead	453	29°434	—	—	—	66°1	53°4	59°8	—	73	12th	48	7th	59°4	—	57°8	2°7	—	1°7	426	—	427	84	—	89
	Camden Square	123	29°786	—	—	007	70°9	54°2	62°0	—0°7	78	12th	49	7th	62°3	—	59°8	3°7	—	2°3	440	—	442	78	—	86
	Westminster	54	29°835	—0071	+	003	68°2	54°4	61°3	—1°1	76	12th	50	7, 23, 29	53°2	—	64°3	1°7	—	4°2	433	—	460	89	—	77
	Greenwich	159	29°741 29°730	—0053	—	007	70°3	52°7	61°8 60°8	—1°1 —0°8	77	12th	49	29th	62°3	—	58°7	4°4	—	2°4	421	—	420	75	—	85
	Norwood	235	29°660	—	—	007	68°6	53°4	61°0	—1°0	76	12th	49	23rd, 29th	62°1	—	58°4	4°5	—	2°6	415	—	410	74	—	84
	Kew	34	29°880 29°868	—0046 —0050	—	007	68°1	54°2	61°2 61°0	—0°5 —0°2	75	14th	49	7th	61°6	66°5	60°1	3°9	6°6	3°0	423	426	425	73	66	82
	Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
		District Value						51°4	46°9	54°2	—	71	10th	38	25th	57°1	58°4	52°6	3°5	4°1	1°4	309	372	362	79	77
SCOT- LAND, W.	Poltalloch	135	29°604	—	—	005	63°5	52°5	58°0	+0°5	73	9th	43	23rd	57°9	—	55°6	3°3	—	2°1	385	—	333	80	—	86
	Glasgow	164	29°562	—	—	005	62°7	52°5	57°6	+0°5	69	9th, 12th	43	23rd	57°1	—	56°1	2°8	—	2°1	386	—	390	83	—	87
	Rothsay	76	29°652	—	—	005	64°0	52°4	58°2	+0°9	74	10th	43	23rd	57°7	—	55°0	2°2	—	1°4	412	—	392	86	—	91
	Colmonell	150	29°619	—	—	—	63°7	51°8	57°8	+0°4	74	7th	44	25th	58°0	61°0	—	2°7	3°9	—	4°01	413	—	83	78	—
	Dumfries	155	29°631	—	—	005	63°9	51°6	57°8	—0°9	73	10th	43	23rd	57°4	—	50°5	2°6	—	2°1	393	—	395	83	—	86
ISLE OF MAN	Gally, Gatehouse	120	—	—	—	005	64°4	51°9	58°2	+1°4	74	10th	42	23rd	58°8	—	55°7	2°3	—	1°9	425	—	390	86	—	88
	Douglas	284	29°498	—	—	006	61°6	52°3	57°0	—0°3	69	10th	47	5th	57°2	—	55°7	2°2	—	1°8	406	—	393	87	—	89
	District Value						63°5	52°0	57°5	+1°0	75		38													
ENG. LAND, N.W.	Southport	42	29°784	—	—	006	64°7	55°6	59°2	—0°3	73	11th	48	5th	59°9	62°5	58°1	3°2	4°6	2°1	416	418	420	81	74	86
	Manchester (City)	195	29°632	—	—	006	65°7	54°7	60°2	—	75	11th	50	29th	59°0	—	59°7	3°3	—	3°1	415	—	419	80	—	82
	„ (Whitworth Pk)	127	29°663	—	—	006	66°1	53°8	60°0	—	76	11th	43	23rd	59°9	63°9	58°8	2°8	—	1°8	427	—	439	83	73	89
	Darwen	780	29°058	—	—	006	62°9	50°3	56°6	—	73	11th	45	23rd	58°1	—	55°9	2°9	—	1°8	399	—	397	83	—	89
	Aspatia	254	29°521	—	—	006	64°9	51°5	58°2	+0°4	75	10th	45	23rd	59°4	—	55°9	3°1	—	1°9	411	—	392	82	—	88
	Newton Rigg	659	29°185	—	—	006	63	43°7	56°7	—0°1	75	10th	39	23rd	56°3	—	56°0	2°2	—	1°9	397	—	394	86	—	88
	Stonyhurst	303	29°435	—	—	006	63°6	52°3	58°0	—0°3	72	11th	43	29th	58°6	—	56°9	3°1	—	2°8	400	—	386	81	—	83
	Blackpool	73	29°738	—	—	006	64°5	53°0	58°8	—0°6	72	14th	45	1st	59°8	—	58°1	4°7	—	2°0	429	—	423	84	—	87
	M'nch't'r (Prestwich)	320	29°485	—	—	006	65°4	52°3	58°9	+0°1	76	11th	45	23rd	59°0	—	57°7	2°2	—	1°9	430	—	440	87	—	88
	Liverpl. Bidston Obs.	197	29°612	—	—	006	64°0	53°6	58°8	—1°1	73	11th	43	29th	59°1	—	58°0	3°2	—	2°7	403	—	401	80	—	83
NORTH WALES	Llandudno	21	29°794	—	—	006	65°1	54°8	60°0	—0°4	75	14th	50	1st	59°9	—	58°9	3°0	—	2°1	422	—	422	82	—	87
	HOLYHEAD	48	29°754	—111	—	002	62°9	54°2	56°6	—0°6	75	14th	50	27th	57°4	61°4	58°3	1°5	3°1	2°0	426	443	426	90	82	87
	Bettws-y-Coed	180	29°606	—	—	006	64°2	52°1	58°2	—1°6	72	14th	43	30th	58°9	—	57°5	2°7	—	1°7	414	—	422	83	—	90
	Llanegwad	310	29°501	—	—	006	62°2	52°5	57°4	—	72	14th	46	27th	57°8	—	56°4	2°5	—	1°6	407	—	409	85	—	89
	District Value						64°4	52°7	58°1	0°0	76		39													
SOUTH WALES	Llangamarch Wells	585	29°244	—	—	—	64°0	50°5	57°3	—1°2	72	14th	41	11th	53°2	—	—	2°3	—	—	415	—	—	85	—	—
	PEMBROKE	150	29°678	—103	—	002	61°6	54°5	58°1	—1°3	68	9th, 14th	49	27th	57°5	59°5	58°1	3°9	1°6	1°0	446	457	452	94	90	93
	Clifton	229	—	—	—	—	66°1	55°2	60°7	—0°9	74	14th	50	1st, 23rd	—	—	—	—	—	—	—	—	—	—	—	
	PORTLAND BILL	23	29°867	—0031	—	002	63°2	57°1	60°2	—1°8	71	10th	49	27th	59°6	62°0	60°2	0°6	1°0	0°7	491	520	499	96	94	96
	Plymouth	116	29°793	—	—	007	65°4	55°9	60°7	—0°5	72	14th	51	6th	61°8	63°4	59°3	2°8	4°0	2°0	463	454	444	84	78	88
ENG. LAND, S.W.	Falmouth	183	29°743 29°734	—0039 —004	—	006	64°9	55°4	60°2 59°8	—0°3 —0°3	70	7th, 13th	52	28th	60°8	63°4	58°1	2°7	4°2	1°4	445	444	441	84	76	90
	Woolacombe	100	29°779	—	—	007	64°9	56°4	60°7	—2																

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of AUGUST, 1910.

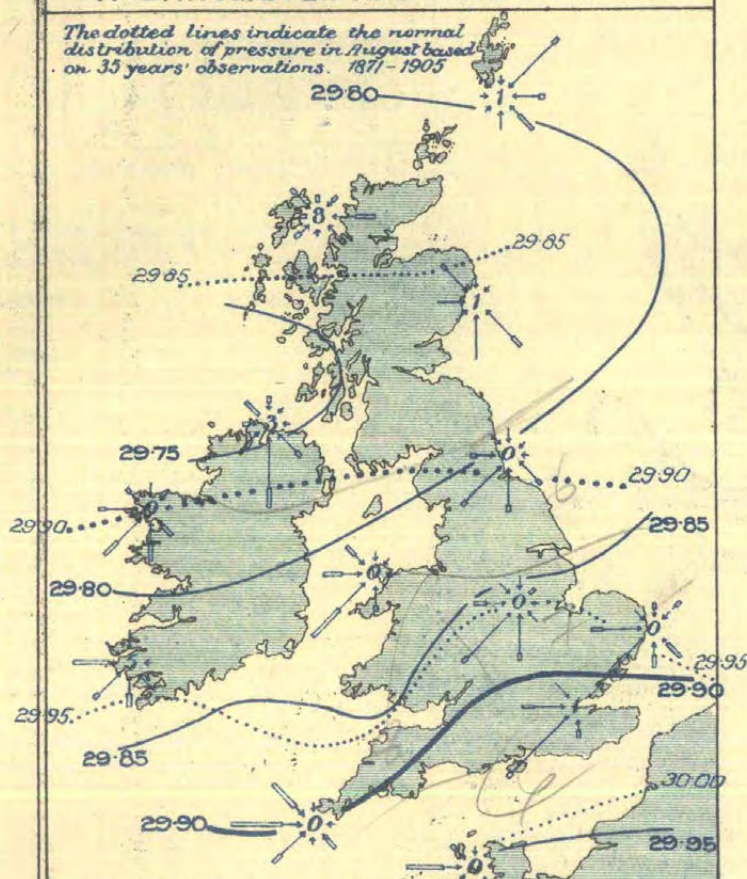
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.												STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.													
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																								
62.7	60.8	185	-23	42	-5	5.7	—	6.3	2.33	-0.24	0.70	5th	16	0	0	1	3	8	0	—	0	4	8	2	4	0	1	1	29	6	11	Eastbourne.			
—	—	—	—	—	—	7.3	7.1	7.5	1.80	-0.18	0.30	4th, 23rd	13	0	0	1	0	10	2	—	0	48	0	4	5	4	2	14	49	12	3	Dungeness.			
63.7	60.1	192	-21	43	-5	6.8	—	5.4	1.92	-0.55	0.33	1st, 28th	17	0	0	0	1	7	4	0	1	26	2	4	2	1	4	9	24	11	5	Hastings.			
—	—	152	-55	34	-13	7.6	—	5.4	1.86	-0.90	0.50	28th	16	0	0	0	1	3	0	0	0	20	0	3	5	1	6	2	28	10	7	Southampton.			
—	—	139	-68	31	-16	7.7	—	—	1.50	-0.78	0.25	4th	17	0	0	1	0	16	0	—	1	20	0	1	1	7	6	10	19	15	3	Ventnor.			
62.4	59.9	166	-28	37	-7	7.2	—	6.2	2.36	-0.12	1.03	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
—	59.6	170	—	38	—	7.5	—	6.4	1.58	—	0.34	25th	15	0	0	5	0	10	1	0	0	2	0	4	1	0	2	9	31	10	5	Tottenham.			
—	—	154	—	35	—	7.7	—	6.0	1.95	—	0.37	4th	20	0	0	4	1	12	1	—	0	12	7	2	3	3	2	10	21	12	2	Hampstead.			
61.8	58.2	140	—	31	—	7.1	—	—	1.64	-0.75	0.35	25th	21	0	0	0	0	16	0	0	—	—	2	4	2	0	0	5	6	10	2	Camden Square.			
—	—	156	-12	35	-3	6.7	—	7.5	1.83	-0.56	0.45	4th	16	0	0	4	0	9	0	0	0	20	3	2	3	1	2	6	26	14	5	Westminster.			
—	60.8	177	-33	39	-8	8.1	—	5.5	2.43	+0.09	0.69	26th	17	0	0	1	0	11	0	0	0	6	3	4	3	1	4	11	25	9	2	Greenwich.			
61.5	—	—	—	—	—	6.8	—	5.2	2.25	-0.11	0.45	4th, 25th	19	0	0	3	3	8	0	0	0	1	9	2	3	1	5	7	26	8	1	Norwood.			
61.5	58.2	163	-25	37	-5	7.9	7.9	5.5	2.79	+0.52	1.17	5th	17	0	1	4	1	12	1	0	0	19	12	5	3	3	3	21	28	16	2	Kew.			
—	—	152	-12	34	-3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.			
—	—	146	—	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.			
—	—	108	—	24	—	8.7	8.6	7.9	8.58	—	1.86	28th	23	0	0	1	0	18	1	—	0	39	12	5	10	2	12	14	23	9	6	Eskdalemuir.			
—	—	—	—	—	—	8.2	—	8.1	7.87	+3.01	1.21	25th	24	0	0	0	0	18	0	—	1	11	8	5	1	3	7	14	7	13	4	Poltalloch.			
—	—	71	-61	15	-14	9.1	—	8.9	6.64	+2.58	1.33	28th	21	0	0	4	0	26	0	0	0	5	11	0	4	17	4	7	5	12	2	Glasgow.			
—	55.3	—	—	—	—	7.3	—	7.5	8.90	+4.03	1.24	20th, 28th	22	0	0	1	1	17	5	—	0	9	16	0	2	13	1	6	5	15	4	Rothesay.			
—	—	—	—	—	—	7.0	—	—	4.98	+0.86	0.84	14th	20	0	0	3	4	15	1	0	1	13	0	2	0	4	8	16	4	18	10	Colmonell.			
59.9	58.7	107	—	23	—	8.3	—	7.7	7.72	+3.75	2.10	28th	20	0	0	1	0	17	0	0	2	14	6	1	8	1	8	4	24	4	6	Dunfries.			
—	—	—	—	—	—	—	—	—	8.17	+3.44	2.11	28th	22	0	0	2	—	—	0	—	0	4	0	1	5	4	16	5	9	2	20	Cally.			
—	—	133	-42	25	-10	7.5	—	7.7	5.28	+1.15	0.85	25th	25	0	0	3	1	16	8	0	1	19	1	1	5	4	8	12	8	16	7	Douglas.			
—	—	102	-52	22	-12	8.0	8.6	8.0	7.09	+2.49	2.11	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
61.9	60.5	144	-27	32	-6	8.0	7.3	7.8	4.70	+0.99	0.62	18th	24	0	0	2	0	14	0	0	3	56	1	2	4	7	18	15	14	26	6	Southport.			
60.0	58.4	100	—	22	—	5.6	—	5.9	5.62	+1.38	1.28	28th	25	0	0	2	0	4	0	0	0	5	1	2	3	4	10	16	15	9	2	Manchester (City).			
—	—	100	—	22	—	8.4	8.8	7.2	4.68	—	1.10	23rd	24	0	0	1	1	19	0	0	0	8	12	0	5	5	12	22	16	21	0	—	(Whit. Pk.)		
59.0	56.0	104	—	23	—	8.5	—	8.6	8.22	—	1.74	26th	24	0	0	2	0	18	0	0	1	16	0	1	1	1	14	18	11	11	5	Darwen.			
59.0	54.9	138	—	30	—	7.4	—	7.1	4.70	+0.25	0.70	28th	19	0	0	0	1	15	0	0	0	12	13	2	6	1	2	5	10	20	3	Aspatia.			
59.1	56.3	132	-20	29	-4	7.4	—	7.0	6.01	+2.53	1.66	28th	21	0	0	2	1	13	0	0	2	15	7	0	1	5	11	15	13	15	0	Newton Rigg.			
—	—	106	-46	23	-11	8.1	—	7.0	7.19	+1.94	1.60	26th	23	0	0	2	1	16	1	0	0	10	20	1	3	2	3	6	13	14	0	Stonyhurst.			
59.6	56.2	140	-23	31	-5	7.8	—	8.6	4.31	+0.71	0.74	28th	23	0	0	3	0	19	0	0	1	29	0	1	5	9	8	10	11	12	6	Blackpool.			
—	—	86	-51	19	-11	8.7	—	6.4	5.86	+1.98	1.07	28th	23	0	0	3	0	15	0	0	0	12	8	0	5	4	2	23	5	15	0	—	Manchester (Prest.)		
—	—	136	—	30	—	7.9	—	8.2	3.49	+0.41	0.53	28th	23	0	0	2	1	19	0	—	0	14	1	2	2	3	15	9	11	18	1	—	Liverpool, Bid. Obs.		
—	—	134	-33	30	-7	7.6	—	8.1	3.74	+0.71	0.64	26th	24	0	0	0	1	18	0	—	0	2	1	0	0	5	3	24	14	15	0	—	Llandudno.		
—	—	—	—	—	—	7.3	7.0	7.4	5.52	+2.29	0.76	14th, 25th	22	0	0	4	0	10	5	—	3	37	1	3	5	3	6	12	32	18	13	—	Holyhead.		
57.6	55.3	92	—	20	—	6.9	—	7.7	6.39	—	1.09	26th	25	0	0	0	1	9	0	0	1	7	0	0	1	1	8	3	28	6	15	—	Bettws-y-Coed.		
59.3	56.5	140	—	31	—	7.4	—	7.4	6.93	—	1.27	25th	20	0	0	4	2	11	1	0	3	30	6	2	3	5	0	13	12	17	4	—	Llaneugrad.		
59.4	56.8	124	-32	27	-7	7.6	7.7	7.5	4.95	+1.28	1.74	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
58.4	55.5	122	—	27	—	8.8	—	—	6.16	—	1.05	23rd	25	0	0	1	2	24	0	0	0	5	2	1	3	1	0	5	13	5	1	—	Llangamm. Wells.		
—	—	146	-44	33	-10	7.7	6.6	7.5	4.97																										

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, AUGUST, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.				
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.	No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.						Amt.	Day.							
			Max.	Min.																			Ins.	Ins.
			°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
O. SCOTLAND, N.	p Baltasound	S	31	60.2	51.2	55.7	—	77	6th	45	10, 23, 26	56.7	—	—	2.50	—	0.90	26th	16	151	—	32	—	
	p Crathes	S	140	64.4	49.4	56.9	—	73	12th	43	16th	58.5	55.2	0	4.92	—	1.51	28th	18	125	—	27	—	
1. SCOTLAND, E.	p Stonehaven	—	786	63.2	50.8	57.0	—	70	14th	44	22nd	—	—	—	4.70	—	1.14	16th	21	121	—	26	—	
	p Balruddery	S	276	62.8	50.0	56.4	—	74	12th, 13th	45	1, 10, 23	—	—	—	7.39	—	1.18	28th	22	113	—	25	—	
	Edinburgh	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a West Linton	S	800	61.7	48.1	54.9	— 1.4	71	12th	32	23rd	—	—	1	4.74	—	0.83	28th	24	112	—	24	—	
	a Alnwick Castle	—	210	64.3	51.2	57.8	+ 0.5	72	12th	42	10th	—	—	—	3.73	+ 0.52	0.95	28th	20	—	—	—	—	
	p Newcastle-on-Tyne	—	152	65.0	53.6	59.3	—	74	11th	47	10th	—	—	—	2.53	— 0.58	0.44	25th	20	116	— 17	25	— 4	
2. ENGLAND, N.E.	p Ampleforth	—	349	65.3	52.0	58.7	—	72	14th	46	23rd	—	—	—	3.94	—	0.80	28th	19	—	—	—	—	
	p Tealby	—	251	65.9	52.2	59.1	— 0.3	72	11th, 14th	43	25th	—	—	—	3.69	+ 0.47	0.61	11th	15	—	—	—	—	
	a Fulbeck	—	180	68.0	53.0	60.5	— 0.1	76	11th	48	1, 23, 29	—	—	0	3.57	+ 0.94	0.95	23rd	22	—	—	—	—	
	a Rauceby	—	124	67.6	52.3	60.0	—	74	11th	47	23rd, 29th	61.6	57.7	0	3.55	+ 0.90	0.75	5th	21	153	—	34	—	
3. ENGLAND, E.	a Felixstowe	—	10	67.4	55.5	61.5	— 0.3	74	15th	49	11th	—	—	—	2.79	—	0.61	4th	16	199	—	45	—	
	a Rothamsted	—	424	66.7	52.4	59.6	— 0.6	75	16th	47	1, 7, 23	—	—	—	3.11	+ 0.52	0.96	18th	22	153	— 38	34	— 9	
	a Shoburness	—	13	69.3	55.4	62.4	— 0.5	74	15th	50	11th	—	—	—	1.64	— 0.11	0.39	25th	16	—	—	—	—	
	a Southend-on-Sea	—	90	60.3	56.1	62.7	—	75	15th, 16th	52	7, 11, 31	65.2	—	0	1.67	— 0.27	0.37	29th	15	175	—	39	—	
	a Harrogate	—	476	64.1	51.4	57.8	— 0.2	71	11th, 14th	45	23rd	57.2	56.1	0	4.14	+ 1.31	0.72	28th	20	139	—	31	—	
	a Bradford	—	489	64.2	53.3	58.8	—	73	11th	46	23rd	59.3	57.2	0	4.22	—	0.76	25th	22	134	—	30	—	
	a Cheadle	—	646	64.5	50.4	57.5	— 0.4	71	11th	46	25th, 29th	—	—	0	4.67	+ 1.07	1.33	28th	20	—	—	—	—	
	a Bawtry	—	65	60.8	52.0	60.9	+ 1.1	76	11th, 16th	45	1st, 23rd	—	—	—	2.87	+ 0.38	0.74	14th	20	—	—	—	—	
	a Worksop	—	56	68.1	52.4	60.3	+ 0.6	75	11th	44	1st	59.3	57.0	0	3.59	+ 1.05	0.74	14th	18	123	— 24	27	— 6	
	a Mayfield (Staffs.)	—	374	65.4	50.5	58.0	—	72	11th	39	1st	—	—	0	4.28	—	0.85	28th	20	—	—	—	—	
4. MIDLAND COUNTIES	a Belper	—	222	67.3	52.1	59.7	—	74	11th	42	1st	—	—	0	3.49	—	0.50	28th	23	—	—	—	—	
	a Kingston-on-Soar	—	125	67.9	51.7	59.8	—	75	13th	45	2nd, 18th	60.8	—	—	3.06	—	0.85	23rd	20	—	—	—	—	
	p Rugby	—	379	67.2	51.3	59.3	— 0.6	75	11th	44	1st	—	—	0	3.14	—	0.65	23rd	13	—	—	—	—	
	a Raunds	—	210	69.4	52.1	60.8	— 0.5	74	15th, 24th	43	23rd	61.5	—	0	2.26	—	0.39	3rd	17	—	—	—	—	
	a Winslow	—	379	67.4	52.6	60.0	—	75	14th	47	23rd	—	—	0	3.05	—	0.54	29th	20	—	—	—	—	
	a Hereford	—	291	66.7	52.1	59.4	— 0.9	74	11th	44	11th	—	—	0	4.69	+ 2.11	0.97	28th	20	—	—	—	—	
	a Cirencester	—	446	69.5	50.3	59.9	+ 0.9	76	15th	42	1st	58.9	56.8	0	3.60	+ 0.45	0.80	28th	21	125	— 57	28	— 13	
	a Epsom	—	160	69.0	53.5	61.3	—	76	12th	48	23rd	—	—	0	3.05	—	0.55	25th	22	—	—	—	—	
	a Wokingham	—	216	68.0	50.9	59.5	—	75	12th	40	23rd	—	—	—	2.16	—	0.60	5th	17	—	—	—	—	
	a Maidenhead	—	101	71.2	52.2	61.7	—	78	11th	44	18th	—	—	0	2.12	— 0.09	0.72	5th	14	—	—	—	—	
	a Marlborough	—	424	66.1	51.1	58.6	— 0.8	72	11th, 14th	41	23rd	—	—	0	3.09	+ 0.23	0.80	29th	20	123	— 55	28	— 12	
	a Bucklebury	—	409	66.6	51.9	59.3	—	74	14th	45	23rd	—	—	0	2.36	—	0.35	28th	19	—	—	—	—	
	a Swarraton	—	310	66.5	52.1	59.3	— 0.2	74	14th	42	23rd	—	—	—	2.98	+ 0.08	0.59	28th	18	—	—	—	—	
	a Margate	—	35	68.0	55.1	61.6	— 0.7	73	19th	50	7th	61.4	58.6	0	2.65	+ 0.60	1.03	4th	13	180	— 10	40	— 3	
	Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	—	2.78	—	0.97	4th	14	202	—	45	—
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	197	—	44	—	
5. ENGLAND, S.E.	a Wisley	—	150	68.9	53.6	61.3	— 1.2	76	12th	47	23rd	61.6	59.5	0	2.16	—	0.40	26th	15	168	—	38	—	
	a Basingstoke	—	289	67.0	52.2	59.6	—	74	14th	43	23rd	60.3	57.5	0	2.36	—	0.45	28th	15	—	—	—	—	
	a Dover	—	231	65.0	54.1	59.6	—	73	15th	48	7th	59.2	56.3	0	2.30	—	0.55	4th	17	194	—	44	—	
	a Tunbridge Wells	—	421	67.4	52.0	59.7	— 1.0	75	14th	47	7th	62.9	—	0	2.86	+ 0.52	0.73	29th	17	185	— 11	42	— 2	
	a Matfield	—	320	67.4	52.8	60.1	—	75	14th	48	7th	—	—	0	2.46	—	0.52	29th	15	—	—	—	—	
	p Folkestone	—	121	65.6	56.1	60.9	—	76	15th	51	25th	—	56.5	—	1.68	— 0.76	0.45	5th	14	196	—	44	—	
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	188	—	42	—	
	a Bexhill	—	27	65.5	56.3	60.9	—	72	10th	50	7th, 23rd	62.9	—	0	1.94	—	0.61	4th	17	191	—	43	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	152	—	34	—	
	a Worthing	—	36	65.9	55.0	60.5	— 1.0	72	10th	47	7th	63.3	60.1	0	2.39	+ 0.08	0.47	5th	19	179	—	40	—	
	a Bognor	—	20	65.4	55.7	60.6	—	71	10th	47	23rd	—	57.4	0	2.23	—	0.47	4th	20	175	—	39	—	
	Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	169	—	38	—	
	a Totland Bay	—	140	65.1	56.4	60.8	— 0.9	70	10th	51	11th	—	—	0	1.98	— 0.40	0.67	28th	15	152	—	34	—	
	a Sandown	—	20	68.0	55.5	61.8	—	72	15th	48	29th	—	—	—	2.74	—	0.55	4th	21	158	—	36	—	

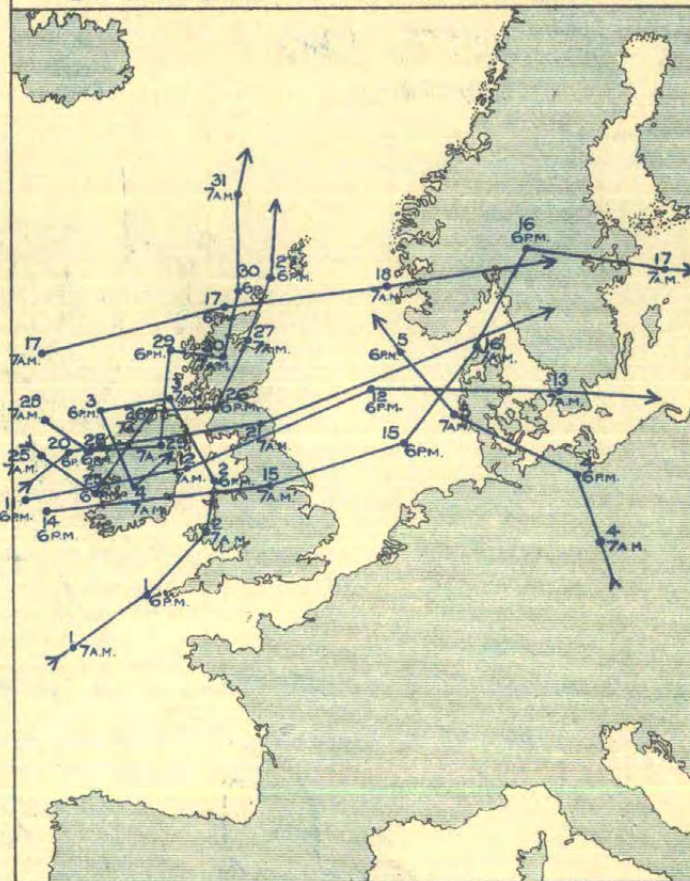
1. BAROMETER AND WIND AT 7 A.M.

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

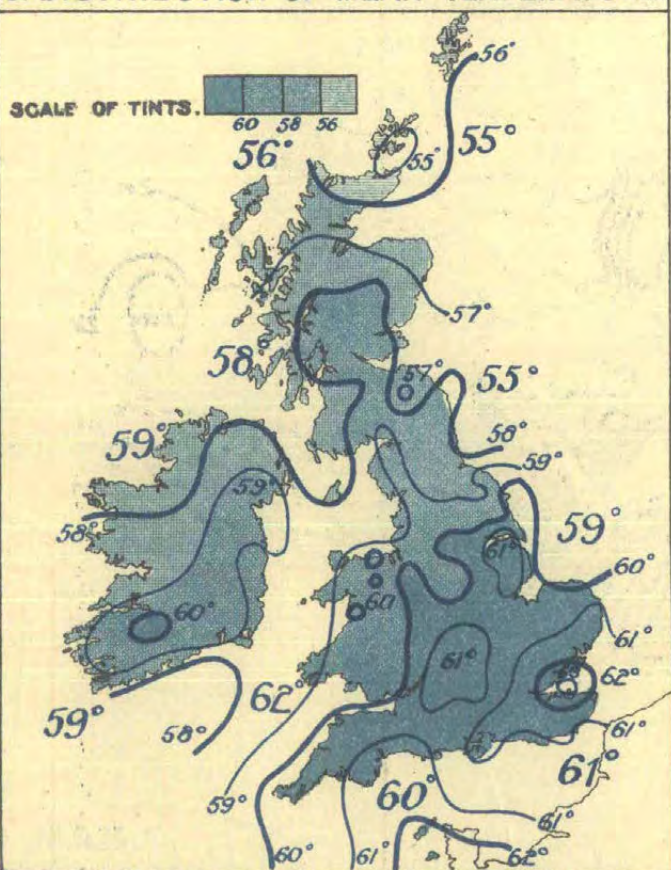


WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 Light moderate strong
 10 20 30 Obs. = 1 inch.

2. MOVEMENTS OF DEPRESSIONS.

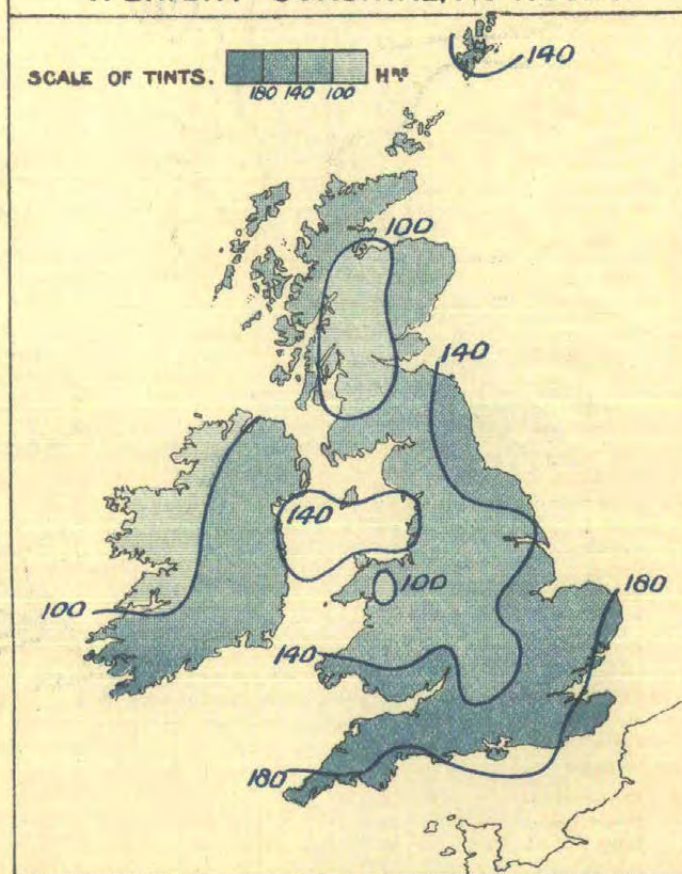


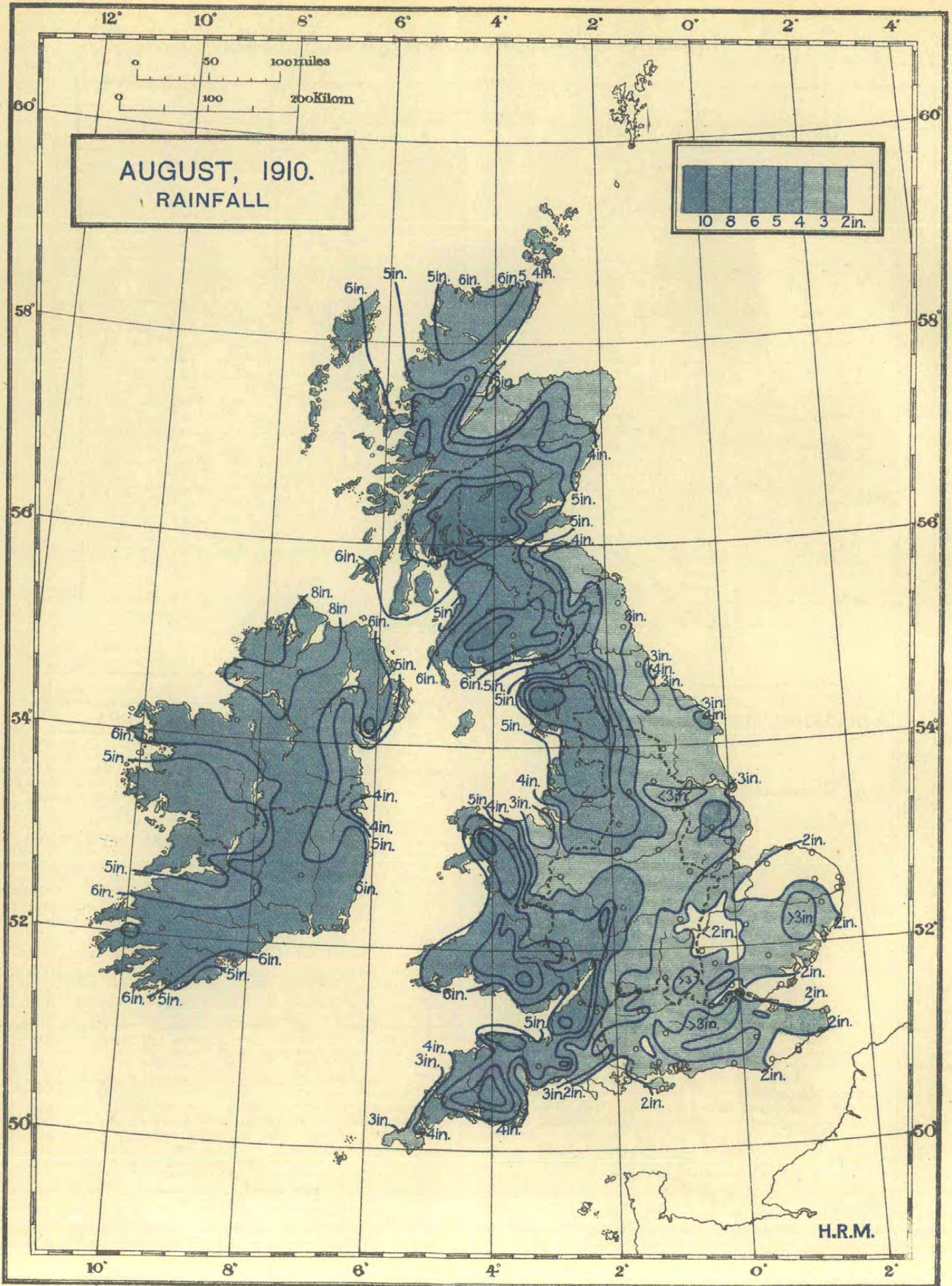
3. DISTRIBUTION OF MEAN TEMPERATURE.



Sea temperatures are indicated by large figures, thus — 60°

4. BRIGHT SUNSHINE, IN HOURS.





Scale 1 : 5,000,000.

TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, AUGUST, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Gr'd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.						
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.							Ins.	Ins.						Ins.	Date.
			Max.	Min.																					
		Ft.	°	°	°	°	°	°	°	°	°								Hrs.	Hrs.	%	%			
8. ENGLAND, S.W.— (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	—	6.92	—	1.48	28th	18	—	—	—	—			
	"	900	—	—	—	—	—	—	—	—	—	—	—	6.45	—	1.52	28th	25	—	—	—	—			
	a Cardiff	50	65.1	53.3	59.2	- 1.4	73	14th	48	23rd	60.7	58.0	0	5.31	+0.76	0.89	18th	24	161	—	36	—			
	a Swansea	24	66.8	55.5	61.2	—	75	1st, 14th	52	6th, 23rd	64.3	60.0	0	5.31	—	1.09	18th	24	145	—	33	—			
	a Shaftesbury	722	64.6	52.2	58.4	- 1.0	71	12th	47	23rd	60.2	—	—	2.75	-0.20	1.19	28th	14	—	—	—	—			
	a Arlington	613	64.1	52.7	58.4	- 0.5	72	11th, 14th	48	23rd	—	—	—	7.82	+2.86	1.36	18th	22	—	—	—	—			
	a Cullompton	202	68.5	52.8	60.7	+ 0.2	74	10th	45	1st	61.6	—	0	5.23	+2.22	1.25	28th	24	148	- 34	33	- 8			
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	197	- 13	45	- 2			
	a Weymouth	21	67.0	56.3	61.7	—	77	10th	49	23rd	—	—	—	1.94	—	0.55	28th	15	178	—	40	—			
	p Paignton	11	67.1	55.0	61.1	—	73	13th	50	1st, 23rd	—	—	—	3.83	—	0.99	28th	17	196	—	44	—			
	a Sheepstor	749	63.5	49.9	56.7	—	71	10th	44	22nd	—	—	—	8.92	—	1.22	25th	25	—	—	—	—			
	a Newquay	100	63.9	56.3	60.1	- 0.7	71	14th, 18th	52	11th	60.8	—	—	2.44	-0.34	0.76	23rd	16	173	- 32	39	- 7			
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	188	—	43	—			
	a Teignmouth	19	67.3	56.0	61.7	—	75	13th	52	31st	—	—	0	3.96	—	1.51	28th	16	177	—	40	—			
	a Fowey	—	65.5	55.5	60.5	—	70	10th	52	10th	—	—	—	4.07	—	0.70	23rd	21	171	—	39	—			
	a Penzance	54	66.6	56.3	61.5	—	73	10th	52	29th	—	—	—	3.60	—	0.65	1st	21	195	—	44	—			
9. IRELAND, N.	p Dunfanaghy	54	62.2	52.0	57.1	—	71	10th	46	25th	—	—	—	6.74	—	1.04	25th	25	—	—	—	—			
	p Dublin (Glasnevin)	67	65.2	51.3	58.3	- 0.2	71	20th	45	18th, 22nd	—	—	0	3.61	+0.16	1.12	1st	23	—	—	—	—			
	a Kingstown	42	64.3	53.7	59.0	—	70	7th, 12th	49	29th	—	—	—	2.80	—	0.63	1st	20	143	—	32	—			
	p Clongowes Wood College	245	64.5	49.4	57.0	—	74	7th	43	11th	—	—	0	5.19	—	1.04	14th	23	120	—	27	—			
	a Mountmellick	253	65.4	51.4	58.4	—	78	7th	46	4th, 6th	—	—	—	5.39	—	1.26	14th	23	—	—	—	—			
10. IRELAND, S.	p Newcastle (Co. Wicklow)	256	63.6	51.5	57.6	—	69	12th	46	11th	—	—	—	5.59	—	2.20	1st	18	—	—	—	—			
	a Kilkenny	212	65.1	51.5	58.3	- 1.0	75	7th	44	6th	—	—	—	7.31	+3.63	1.58	14th	27	—	—	—	—			
	a Cahir	199	64.9	51.9	58.4	- 0.4	72	7th	45	10th	—	—	—	5.06	—	0.61	18th	23	—	—	—	—			
	a Foynes	108	64.2	53.3	58.8	0.0	71	13th	49	28th	—	—	—	4.13	+0.11	0.72	25th	29	—	—	—	—			
	a Ballinacurra	34	65.2	52.3	58.8	—	71	14th, 15th	46	6th, 28th	—	—	—	6.34	—	1.05	14th	25	124	—	28	—			
11. ENGLISH CHANNEL	a Guernsey (Villa Carey)	180	67.6	56.3	62.2	+ 0.3	79	14th	53	29th	—	—	—	2.23	-0.43	0.47	18th	20	208	- 34	47	- 8			

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

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 A and B. 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 A. 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 ¶ 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.

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, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-FIFTH YEAR.
Vol. XXVII. (New Series)
Weekly Weather Report. } No. IX.

SEPTEMBER, 1910.

[Price 6d.]

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The uncommonly long spell of unsettled atmospheric conditions which had been the most prominent characteristic of the past summer, came to an end at the close of August. With the advent of September there was a rapid and considerable change in the distribution of pressure. The anticyclonic system previously occupying the middle region of the Atlantic expanded north-eastward and embraced the entire area of the United Kingdom. Thenceforward, for a period of nearly four weeks, an anticyclonic type was maintained over these islands, the variations of pressure being unimportant throughout. Frequently the region of high barometer readings was of enormous extent, not only covering the British Isles and their immediate neighbourhood, but also stretching westward right across the Atlantic to Newfoundland and beyond, and eastward across the northern half of the European Continent. Pressure was consequently relatively low about the Mediterranean and beyond the Arctic Circle. The central space of the high pressure system was continually shifting its position, to east, west, north and south of these islands. The maximum barometer readings, about 30.5 ins., were recorded on the 16th and 17th, and 21st to 23rd, Blacksod Point rising to 30.57 ins. on the 16th. While the anticyclone ruled, only a few depressions of slight intensity came within the range of observation, and with the exception of a very shallow one which moved westward from Germany to Belgium and north-eastern France on the 13th and 14th they exercised little or no influence on our weather. During the last five days of the month the distribution of pressure assumed a somewhat less settled type, but the disturbances which affected the conditions at this time were small and of little energy. On the evening of the 25th a depression appears to have formed beyond the south-west of Ireland, in about 49° N., 14° W. It struck off immediately on a north-easterly course, and early next morning its centre was over Queenstown, the barometer having dropped quickly at Roche's Point to 29.58 ins. Pursuing a steady course the system filled up on the upper part of the North Sea on the morning of the 27th. Originating in the same position on the morning of the 28th a shallower disturbance followed almost the same path of progression, but after an existence of 24 hours it dispersed off the east coast of Scotland. Pressure remained relatively low outside our south-western coasts on the 29th and 30th, but the deepest depression of the month was one which made its appearance on the morning of the 25th, in 52° N., 30° W., and passed thence north-eastward between Scotland and Iceland, the barometer at Sumburgh Head descending to 29.55 ins. on the 29th. The range of pressure for the whole month was consequently remarkably small, little more than half-an-inch at Jersey and Scilly, and the largest, at Roche's Point, was less than an inch.

With the barometer descending to or a little below 30 ins. only in the last few days, the mean pressure for the month was considerably above the average in every part of the country. The lowest mean value was 30.11 ins. at Sumburgh Head; at nearly every other station it was 30.2 ins., and at Blacksod Point above 30.29 ins. On the Straits of Dover the excess above the average amounted to about 0.2 in., while generally over the western and northern districts it was more than 0.3 in., as much as 0.36 in. at Stornoway, and 0.37 in. at Blacksod Point. Northward the mean value diminished to 29.84 ins. at Isafjord, in the north-west of Iceland, and at the Azores it was 30.13 ins. The central space of the high pressure was thus situated to the westward of Ireland. As the pressure gradients were slight, the winds were variable in direction, mainly from some Westerly points over the northern half of the country, and Northerly to Easterly in the south. Under the circumstances there was a marked absence of winds of much velocity, there being few instances of more than a strong breeze at the telegraphic reporting stations. Wick, however, had the force of a gale from North-West on the 3rd, Yarmouth a high wind to a gale from North-East, and Dover a gale from North-West on the 14th, and Sumburgh Head a gale from West on the 30th.

As would be expected from the abnormal distribution of barometric pressure weather of the quietest character prevailed in all parts of the kingdom almost without a break. The most notable interruptions, and they were local, occurred at the commencement and in the middle of the month. A disturbance moving eastward near the south coast of Iceland in the opening days affected North Britain to some extent, and in the mountainous districts of western Scotland a few heavy falls of rain were registered, 1.6 in. at Gruline (Mull) on the 1st, and 1 in. at Cruachan (Loch Awe), and 1.4 in. at Ford (Argyll) on the 2nd. Of the amount at Ford 1 in. fell in 3 hours. On the morning of the 13th there were slight indications of the formation of a depression over Bavaria, on the northern edge of a disturbance centred over the Adriatic. The secondary was very shallow, but its influence extended rapidly westward, and by evening rain had spread to all parts of the Low Countries and across to the coast of Norfolk. In the course of the night the wind over the south-east quarter of England increased considerably from between North-West and North-East, and fairly heavy rain became

general over the eastern, south-eastern and inland counties, with thunder in several places. At Ridlington (Rutland) and Lowestoft the rainfall registered for the 14th was just over an inch, and several other stations measured more than $\frac{1}{2}$ in. for the 13th or the 14th, but the downpour was still in progress when observations were taken on the morning of the 14th, and allowance must be made for this fact in estimating the intensity of the fall. At Epsom, during a thunderstorm on the 14th, there was a violent downpour which yielded 0.3 in. of water in 2½ minutes, or at the rate of 7½ ins. per hour, and the observer remarks: "The intensity of the rainfall, coupled with the dryness of the ground, caused extensive flooding, the water coming off the higher ground in a small torrent, the surface drains being entirely unable to cope with it."

With these two exceptions the month was marked by exceptionally dry weather, many observers noting that it was the driest September in their records, some of these records being continuous through 40 years. Over wide areas there was no rain during the first twelve or thirteen days, and again for about a fortnight from the 15th, while in various districts in Ireland and Scotland none was measured during the fortnight, the 11th to the 24th. At Oldham Road, Manchester, there was none through 21 consecutive days, 3rd to 23rd, and at Prestwich through 22 days from the 3rd. This long spell of dryness enabled farmers, even in the more northern districts of Scotland, to harvest their corn under most favourable conditions, and numerous observers express satisfaction with the results.

Notwithstanding the unusual absence of rain, however, the weather generally was cloudy to dull, and with the wind frequently from polar directions, there was little disposition on the part of the thermometer to rise above the normal level. On the first three days there were in the more southern districts a few maximum temperatures about 70°, Swansea, Sandown, Southampton, and Rugby touching 72°, but this level was not attained again until near the close of the month, when there were many records above 70° from the 27th to the 29th, Greenwich, Westminster, Tottenham and Whitby attaining 75°, Camden Square and Raunds 76°, and Maidenhead 78° on the 28th. On the other hand, there were several days with maxima below 55°, as low as 49° at Glencarron on the 19th, which was a cold day in most localities, a sharp shower of snow with flakes of considerable size falling at Epsom, where the temperature at the time was 52° (late in the evening). On various dates night temperatures below 35° were registered at a number of stations, 30° at Balmoral on the 8th, and West Linton on the 16th, 27° at Eskdalemuir on the 16th, and at Llangammarch Wells on the 21st. Warm nights were uncommon, but temperature remained as high as 60° at Aberdovey on the morning of the 2nd, and at Bexhill-on-Sea and Shoburyness on the 29th.

Aurora was seen at Baltasound on the 1st, 6th, 24th and 29th, and on the last-mentioned date at Eskdalemuir and Dublin, but there was a singular absence of thunderstorms, those observed on the 14th at Epsom, and on the 28th at Bromyard, Rochford (Worcester) and Oxford, being the only ones recorded.

Fog was almost of daily occurrence on some parts of the east coast; from the 1st to the 3rd, 8th to 11th, and 25th to 30th in the west; but on the last three days only on the south coast.

The temperature of the coastal water was about the same or a trifle warmer than in August along the south and east of Ireland and at Scilly, elsewhere it was colder, by as much as 4° off Eastbourne and St. Ann's Head. Except on the north-east coast of England and on the Clyde the water was warmer than the air, by as much as 5° off Bantry Bay.

Rainfall.—The month was one of the driest Septembers on record; the rainfall was considerably below the normal for the whole kingdom, the deficiency at individual stations ranging up to 4.4 ins. at Arlington, 5.1 in. at Glencarron, 5.2 in. at Fort William, and 9.9 ins. at Seathwaite, where only 1.4 in. was recorded. Only five stations in western Scotland reported aggregate totals of more than 3 in., Glenquoich 7.2 in., against 1.4 in. at Seathwaite. Nearly the whole of England and Wales had less than an inch, an extensive region less than half-an-inch, a considerable number of stations returning less than 0.2 in., Portsmouth, 0.09 in. Sumburgh Head had rain on 22 days, Stornoway on 21, and Baltasound on 20, but as a general rule the number of rain days was less than 10; at a large proportion of stations it was 5 or less, and only 2 at Portsmouth, Marlborough, Wokingham, Rugby, Bath and Edgehills Lodge, Forest of Dean.

Bright Sunshine.—The duration of bright sunshine varied a good deal even locally. Newquay had an excess of 40 hours, Fort Augustus and Phoenix Park, Dublin, of 39 hours, and Geldeston of 42 hours. The totals ranged from 196 hours (53 per cent. of the possible) at Newquay, and 194 hours (52 per cent.) at Ventnor, to 82 hours (22 per cent.) at Hull, and 67 hours (18 per cent.) at Newcastle-on-Tyne.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.	CASTLEBAY - - -	48	30°145	+ '362	- '002	57°6	51°2	54°4	+2°0	63	11th	44	20th	53°5	56°2	53°8	1°9	3°2	2°1	In. '356	In. '362	In. '356	% 87	% 80	% 86
Islands.	Deerness - - -	163	29°951	-	- '006	54°8	47°7	51°3	-0°2	58	1st	42	20th	52°0	-	50°1	1°8	-	1°2	'341	-	'332	88	-	91
	SUMBURGH HEAD	126	29°938	+ '271	- '002	55°0	46°5	50°8	+0°2	61	1st	37	25th	50°3	52°6	49°9	1°7	2°5	1°8	'321	'330	'313	88	83	88
	STORNOWAY - -	52	30°122	+ '361	- '002	58°0	48°1	53°1	+1°6	64	5th	41	20th	51°2	56°6	52°1	1°1	3°2	1°7	'348	'367	'344	93	79	88
Mainland.	Wick - - -	80	30°053	+ '310	+ '003	57°3	44°5	50°9	-1°0	54	16th	37	8th	50°1	-	52°1	1°7	-	2°1	'318	-	'334	88	-	85
	Strathpeffer -	210	29°958	-	- '007	59°9	46°2	53°1	+1°3	66	17th	37	14th	54°5	-	51°0	2°8	-	2°2	'347	-	'318	81	-	85
	Glencarron - S	504	29°638	-	- '006	57°9	45°4	51°7	+0°2	66	17th	36	14th	52°5	-	49°8	2°6	-	1°9	'327	-	'310	82	-	87
	Fort Augustus S	78	30°126	-	- '006	60°0	44°9	52°5	-0°8	67	15th	34	20th	52°4	-	52°3	1°8	-	1°9	'346	-	'341	88	-	87
	Fort William S	38	30°183	-	- '006	60°7	45°8	53°3	-0°4	68	4th	35	2nd	52°8	-	51°9	2°2	-	2°0	'341	-	'334	85	-	87
	Dunrobin Castle S	16	30°139	-	- '006	59°3	45°9	52°6	0°0	65	9th, 16th	37	20th	53°6	-	50°4	3°0	-	2°3	'333	-	'311	81	-	85
District Value -						58°4	48°9	51°8	+0°1	68															
1. SCOTLAND, E.	Tillypronie - S	1120	28°963	-	- '006	58°2	42°5	50°4	+0°7	66	16th	35	20th	51°0	-	49°0	2°5	-	2°2	'311	-	'297	83	-	85
	Dundee - - -	164	30°030	-	- '007	60°6	46°5	53°6	0°0	65	4th, 24th	37	20th	53°0	-	51°0	2°1	-	1°7	'346	-	'333	86	-	89
	Nairn - - -	82	30°071	+ '324	+ '003	59°8	43°5	51°7	-1°2	66	9th	34	8th	48°4	57°7	55°3	1°2	3°6	2°8	'310	'373	'359	91	78	82
	Gordon Castle S	107	30°050	-	- '006	60°5	43°5	52°0	-1°3	68	9th	36	8th, 15th	54°8	-	51°3	3°7	-	2°8	'330	-	'308	77	-	81
	Aberdeen - - -	90	30°094	+ '307	- '007	58°1	46°5	52°3	-0°7	66	23rd	41	20th	53°1	56°3	51°6	3°5	4°4	2°6	'312	'334	'315	77	73	82
	Balmoral - - S	927	-	-	-	61°7	40°7	51°2	+1°4	68	12th	30	8th	47°6	-	-	3°2	-	-	'256	-	-	78	-	-
	Crieff - - -	436	29°729	-	- '007	62°9	46°1	54°5	+1°1	70	4th	38	20th	53°6	-	51°7	3°3	-	2°2	'323	-	'327	78	-	86
	Leith - - -	37	30°146	+ '307	+ '003	60°5	48°6	54°6	-0°3	67	24th	40	16th, 20th	51°3	-	56°3	1°6	-	3°5	'337	-	'356	89	-	78
	Marchmont - S	500	29°666	-	- '007	59°0	45°3	52°2	-0°3	66	24th	37	16th, 20th	53°5	-	50°3	3°0	-	2°0	'329	-	'314	80	-	86
	District Value -						60°1	44°6	52°1	-0°2	70														
	2. ENGLAND, N.E.	Seaham - - -	188	30°067	-	- '008	59°5	47°6	53°6	-0°9	71	28th	39	20th	54°8	-	51°7	3°1	-	1°6	'348	-	'345	80	-
Northern Part.	Whitby - - -	145	30°043	-	- '008	63°8	48°4	56°1	+1°1	75	28th	39	17th	55°9	-	53°5	2°9	-	2°1	'367	-	'362	82	-	85
	Cockle P'rk (Morpeth)	331	29°864	-	- '008	58°8	45°2	52°0	-	66	28th	37	20th	53°6	-	50°0	2°7	-	1°5	'341	-	'325	82	-	90
	Shields - - -	117	30°085	+ '311	+ '003	60°3	45°5	52°9	-1°4	68	28th	37	20th	50°1	-	56°5	1°5	-	3°8	'323	-	'351	89	-	76
	Durham - - -	352	29°836	-	- '008	60°1	45°0	52°6	-1°5	69	28th	35	17th	54°4	-	50°7	2°7	-	1°4	'350	-	'337	83	-	91
	Rounton - - -	245	29°945	-	- '008	59°6	45°2	52°4	-1°2	70	28th	34	17th	53°1	-	50°6	2°0	-	1°7	'334	-	'324	83	-	88
	Scarborough - M	127	30°058	-	- '008	63°4	50°0	56°7	+1°5	71	24th, 28th	43	21st	56°0	-	54°7	2°7	-	2°2	'373	-	'366	83	-	86
	York - - -	53	30°177	-	- '008	61°7	47°2	54°5	-1°0	71	28th	38	21st	54°6	-	52°7	2°8	-	2°1	'350	-	'342	82	-	86
Southern Part.	Spurn Head - -	28	30°159	+ '250	+ '003	59°4	51°6	55°5	-1°3	64	2, 3, 29th	46	21st	54°0	58°9	56°2	1°9	3°6	2°6	'363	'389	'378	87	78	84
	Lincoln - - -	42	-	-	-	62°0	47°7	54°9	-1°4	74	28th	37	21st, 22nd	55°5	-	-	1°9	-	-	'391	-	-	88	-	-
	Skegness - - -	16	30°187	+ '260	+ '002	60°4	49°6	55°0	-	67	27th	42	21st, 22nd	53°1	-	56°5	0°9	-	1°0	'379	-	'427	93	-	94
District Value -						61°0	47°3	53°9	-0°4	75															
3. ENGLAND, E.	Lowestoft - -	75	30°114	-	- '009	60°9	51°1	56°0	-1°1	68	27th	43	21st	58°6	-	54°8	3°4	-	1°6	'389	-	'382	79	-	89
Northern Part.	Cromer - - -	139	-	-	- '009	61°1	51°2	56°2	-	74	29th	42	23rd	56°4	-	-	2°5	-	-	'382	-	-	84	-	-
	Hillington - -	92	30°105	-	- '009	62°3	48°1	55°2	-1°0	72	28th	38	10th	56°1	-	52°6	2°1	-	1°1	'388	-	'366	86	-	92
	Norwich - - -	98	-	-	-	62°0	49°6	55°8	-	72	29th	42	20th, 21st	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH - -	27	30°158	+ '223	- '003	62°0	51°4	56°7	-0°2	68	29th	44	20th, 23rd	54°4	59°9	56°0	1°8	6°7	2°3	'373	'327	'383	88	63	85
	Geldeston - -	47	-	-	- '009	62°8	48°7	55°8	-1°0	73	29th	40	21st	-	-	-	-	-	-	-	-	-	-	-	-
Southern Part.	Cambridge - -	43	30°157	-	- '009	62°8	47°8	55°3	-1°8	73	28th	36	10th	56°4	-	53°1	3°1	-	1°9	'370	-	'355	81	-	88
	CLACTON - - -	82	30°134	+ '206	- '003	63°3	49°7	56°5	-1°4	70	27th	41	21st	53°3	61°4	55°9	1°5	5°1	2°4	'365	'387	'380	90	72	85
	Woburn - - -	294	29°928	-	- '009	62°4	45°9	54°2	-	73	28th	34	21st	54°9	-	52°3	2°8	-	1°8	'356	-	'348	82	-	88
	Bennington - -	411	29°801	-	- '009	62°8	47°8	55°3	-1°2	72	28th	37	21st	55°8	-	52°0	3°2	-	2°1	'356	-	'343	80	-	86
	Berkhamsted - -	397	29°812	-	- '009	63°0	46°5	54°8	-1°5	74	28th	35	21st	54°4	-	51°6	2°2	-	1°1	'361	-	'353	85	-	92
District Value -						62°5	49°3	55°5	-0°4	74															
4. MIDLAND COS.	Garforth - - -	198	-	-	- '008	60°7	44°5	52°6	-	70	28th	31	21st	54°8	-	50°6	3°0	-	1°6	'349	-	'335	81	-	89
	Huddersfield - -	411	29°796	-	- '009	60°1	47°0	53°6	-	72	28th	37	17th, 18th	53°5	58°5	51°6	2°9	5°1	1°9	'335	'349	'337	81	71	87
	Wakefield - -	100	30°137	-	- '008	61°9	46°8	54°4	-0°5	68	3rd	36	22nd	54°8	-	53°2	3°2	-	2°2	'342	-	'345	80	-	85
	Belvoir Castle -	276	29°939	-	- '009	60°9	47°1	54°0	-1°8	71	28th	35	22nd	53°8	-	51°8	2°3	-	1°6	'351	-	'343	85	-	88
	Coventry - - -	809	29°914	-	-	62°4	48°5	55°5	-0°7	71	28th	37	21st	55°0	-	-	3°1	-	-	'347	-	-	80	-	-
	NOTTINGHAM -	85	30°129	+ '256	- '003	61°6	47°4	54°5	-1°4	72	28th	36	21st	50°8	60°3	53°2	1°2	5°3	1°8	'341	'366	'355	91	70	88
	Birmingham -	542	29°658	-	- '009	61°1	49°3	55°2	-0°3	70	28th	39	21st	51°6	-	54°1	2°0	-	3°1	'333	-	'337	86	-	80
	Oxford - - -	212	30°017	+ '261	-	63°0	48°0	55°5	-1°1	74	28th	37	21st	52°4	-	54°6	2°0	-	-	'340	-	-	87	-	-
	Bath - - -	84	30°143	+ '262	+ '004	64°0	47°7	55°9	-0°6	74	28th	35	21st	52°5	-	59°7	1°7	-	-	'349	-	-	90	-	-
	Shrewsbury - -	212	30°014	-	- '009	63°0	47°2	55°1	-1°2	71	27th	34	21st	54°8	-	52°7	2°9	-	1°4	'352	-	'366	82	-	91
	Sheffield - -	450	29°751	-	- '009	60°2	49°0	54°6	-1°5	71	28th	41	20												

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of SEPTEMBER, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.										STATIONS.		
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.		N.W.	
—	—	Hrs.	Hrs.	%	%	8.8	8.2	6.8	Ins.	Ins.	Ins.	1st	13	0	1	0	0	14	0	—	0	28	3	9	7	4	2	5	12	21	27	Castlebay (Isd.)	
—	—	94	-15	25	-4	8.0	—	6.9	1.51	-1.75	0.36	22nd	12	0	0	0	2	17	1	—	0	22	6	4	1	0	3	9	6	15	16	Deerness.	
—	—	—	—	—	—	6.6	6.3	6.2	1.43	-1.89	0.21	18th	22	0	0	0	1	1	—	1	40	7	10	4	0	1	10	20	24	14	Sumburgh Head.		
—	—	102	-12	27	-3	8.0	7.5	7.7	2.25	-1.83	0.46	1st	21	0	1	0	1	16	0	—	0	37	3	8	2	2	3	14	20	23	15	Stornoway.	
—	—	—	—	—	—	7.7	—	7.0	1.31	-1.28	0.40	2nd	19	0	0	0	0	10	3	—	1	10	2	19	0	2	0	14	1	19	3	Wick.	
—	—	119	+ 3	31	0	6.4	—	4.7	0.84	-1.71	0.44	1st	7	0	0	0	5	10	0	—	0	14	22	1	0	1	1	5	11	12	7	Strathpeffer.	
—	—	—	—	—	—	7.1	—	5.2	3.38	-5.06	0.87	1st	16	0	1	1	5	14	1	—	0	13	0	15	2	8	0	0	0	35	0	Glencarron.	
—	—	121	+39	32	+10	6.9	—	7.0	0.82	-3.06	0.38	1st	10	0	0	0	1	13	2	—	0	17	4	6	10	3	1	3	25	4	4	Fort Augustus.	
—	—	—	—	—	—	6.6	—	6.0	2.16	-5.17	0.72	1st	13	0	0	0	7	12	2	—	0	1	20	0	9	6	0	1	17	7	0	Fort William.	
56°1	—	—	—	—	—	5.1	—	5.7	1.18	-1.43	0.66	1st	8	0	0	0	5	5	0	—	1	4	12	3	7	7	0	0	8	8	15	Dunrobin Castle.	
—	—	109	+ 8	29	+ 2	7.1	7.3	6.3	1.74	-2.82	0.87	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	6.0	—	5.2	0.82	-1.86	0.41	1st	11	0	0	1	3	6	2	2	2	27	0	16	3	0	5	3	3	8	22	Tillypronie.	
—	—	—	—	—	—	8.0	—	7.5	0.99	-1.45	0.26	1st	10	0	0	0	0	14	2	—	0	6	0	2	10	2	8	1	22	7	8	Dundee.	
—	—	120	—	32	—	6.4	6.0	6.3	0.99	-1.38	0.25	2nd	13	0	0	0	0	3	0	—	0	2	26	0	6	11	2	0	6	35	4	Nairn.	
—	—	104	—	28	—	7.7	—	5.7	1.13	-1.45	0.59	1st	11	0	0	0	1	8	0	—	0	5	0	3	2	1	8	5	19	3	19	Gordon Castle.	
—	52°8	101	-22	27	-6	7.1	7.0	6.0	1.13	-1.58	0.55	1st	11	0	0	0	1	11	2	—	0	7	15	11	2	1	5	11	15	7	23	Aberdeen.	
—	—	—	—	—	—	6.7	—	—	1.05	-2.03	0.30	2nd	7	0	0	0	4	10	0	6	3	6	0	12	0	0	0	4	14	26	4	Balmoral.	
—	—	—	—	—	—	6.4	—	6.2	0.99	-2.29	0.24	10th	10	0	0	0	4	14	1	—	0	13	0	1	5	17	0	0	4	23	5	Crieff.	
—	—	—	—	—	—	7.1	—	6.6	0.64	-1.41	0.20	10th	7	0	0	0	2	10	0	—	0	9	3	3	6	7	4	2	17	12	6	Leith.	
53°3	—	123	+ 6	33	+ 2	6.4	—	5.3	1.09	-1.87	0.42	10th	8	0	0	0	5	12	3	—	0	4	0	5	5	8	1	2	9	28	2	Marchmont.	
—	—	119	0	32	0	6.9	—	6.1	1.00	-1.37	0.59	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	7.1	—	6.4	0.60	-1.54	0.23	2nd	8	0	0	0	0	12	0	—	0	15	4	14	4	0	2	2	11	13	10	Seaham.	
—	—	131	—	35	—	6.5	—	7.5	0.80	-1.28	0.18	2nd	11	0	0	0	2	13	0	—	0	2	1	3	3	0	6	0	7	3	37	Whitby.	
51°7	52°8	120	—	32	—	7.4	—	6.2	0.90	-1.51	0.31	2nd	10	0	0	0	0	12	0	2	0	9	8	9	7	0	5	2	6	17	12	Cockle Pk (Mor-Shields, (peth.))	
—	—	—	—	—	—	7.1	—	8.0	0.81	-1.22	0.36	2nd	10	0	0	0	0	16	1	—	0	4	2	12	1	4	4	2	19	17	8	Durham.	
—	—	112	-6	30	-1	8.0	—	6.4	0.37	-1.78	0.17	10th	7	0	0	0	2	13	0	0	0	4	16	14	0	1	0	6	6	11	6	Rounton.	
54°9	—	—	—	—	—	7.3	—	6.5	0.49	-1.90	0.09	26th	11	0	0	0	1	15	0	0	1	10	6	10	3	1	3	8	9	3	17	Scarborough.	
—	57°3	128	—	34	—	7.8	—	8.2	0.51	-1.81	0.15	2nd	10	0	0	0	0	16	4	?	0	25	0	5	20	0	3	1	14	2	15	York.	
56°5	56°3	111	-9	30	-2	7.0	—	5.3	0.23	-1.98	0.07	10th	7	0	0	0	4	12	0	—	0	1	1	25	2	2	5	5	2	9	9	—	Spurn Head.
—	—	—	—	—	—	7.2	6.9	7.3	0.34	-1.45	0.11	19th	10	0	0	1	0	10	0	—	0	61	0	23	10	6	6	5	4	16	20	—	Lincoln.
55°7	55°8	—	—	—	—	6.0	—	4.3	0.31	-1.70	0.14	4th	8	0	0	0	9	9	2	—	0	2	15	3	5	2	2	0	1	23	9	Skegness.	
—	—	129	—	34	—	6.5	—	6.2	0.66	—	0.37	14th	8	0	0	0	2	11	0	—	0	9	0	21	8	4	3	3	4	7	10	Hull.	
55°2	55°4	82	—	22	—	7.3	—	5.7	0.24	-1.96	0.11	10th	7	0	0	0	2	11	2	0	0	4	16	7	14	2	0	4	1	0	16	—	Lowestoft.
55°2	55°3	118	-16	31	-5	7.1	—	6.5	0.56	-1.40	0.77	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cromer.	
58°7	58°8	139	—	37	—	6.3	—	5.6	1.96	-0.33	1.05	13th	13	0	0	0	2	7	1	0	0	26	0	18	8	7	2	2	4	7	12	Hillington.	
—	—	107	—	29	—	7.6	—	7.8	0.94	—	0.32	13th	15	0	0	0	0	13	0	—	0	27	0	26	7	5	4	5	0	7	6	Norwich.	
—	—	114	-25	30	-7	6.4	—	6.4	1.64	-0.88	0.57	14th	14	0	0	0	5	10	5	0	0	3	14	8	11	1	2	0	4	4	16	Yarmouth.	
—	—	—	—	—	—	—	—	—	1.58	—	0.94	13th	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Geldeston.	
58°3	58°9	128	—	34	—	6.1	5.7	5.4	1.86	-0.55	0.62	14th	10	0	0	0	0	2	0	—	1	21	4	21	9	6	4	7	1	15	23	Cambridge.	
—	—	113	-42	30	-12	—	—	—	2.06	-0.25	1.48	13th	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Clacton.	
56°6	57°4	119	-30	32	-8	6.8	—	5.5																									

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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		Ft.	Ins.	Ins.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of SEPTEMBER, 1910.

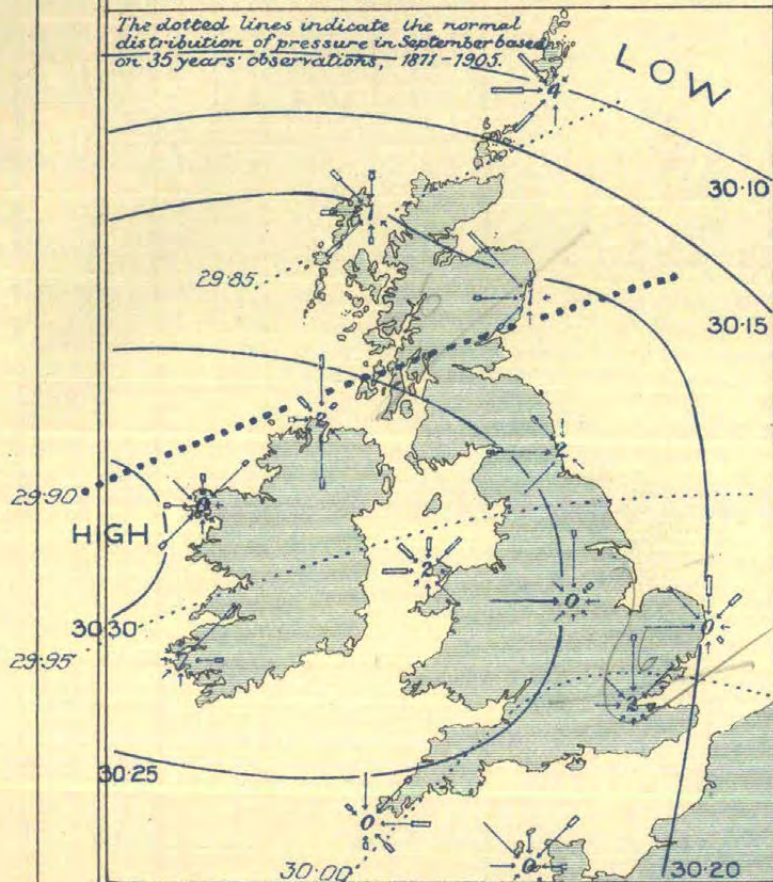
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.												STATIONS.		
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.													
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.				
		Hrs.	Hrs.	%.	%.				Ins.	Ins.	Ins.																								
59°5	59°7	180	+ 13	48	+ 3	4.1	—	3.4	0.20	-2.67	0.13	14th	4	0	0	0	12	6	0	—	0	0	11	5	31	1	0	0	3	2	7			Eastbourne.	
—	—	—	—	—	—	7.1	7.4	7.3	0.43	-1.87	0.24	13th	5	0	0	0	0	8	2	—	0	22	0	21	22	12	3	2	10	4	16			Dungeness.	
59°3	59°3	180	+ 13	48	+ 3	5.0	—	3.7	0.27	-2.41	0.09	13th	8	0	0	0	8	3	0	0	0	14	1	22	13	2	3	1	3	3	12			Hastings.	
—	—	173	+ 14	46	+ 3	5.7	—	4.3	0.14	-2.42	0.12	14th	3	0	0	0	7	8	0	2	0	19	0	0	32	1	5	0	5	1	16			Southampton.	
—	—	194	+ 23	52	+ 6	6.0	—	—	0.21	-2.58	0.16	14th	4	0	0	0	4	8	0	—	0	10	1	23	8	8	5	2	5	3	5			Ventnor.	
58°1	58°6	161	+ 8	43	+ 2	5.7	—	5.0	0.42	-1.86	0.65	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	58°9	145	—	39	—	7.5	—	6.4	0.65	—	0.62	13th	3	0	0	0	1	13	1	0	0	4	1	18	15	8	2	2	6	3	5			Tottenham.	
—	—	147	—	39	—	6.5	—	5.7	0.55	—	0.46	13th	4	0	0	0	4	11	0	—	0	3	9	17	15	5	1	1	4	3	5			Hampstead.	
57°0	57°3	125	—	33	—	5.9	—	—	0.58	-1.59	0.48	13th	5	0	0	1	11	15	0	0	—	—	4	12	7	0	1	1	0	1	4			Camden Square.	
—	—	118	+ 1	32	+ 1	5.5	—	6.0	0.55	-1.51	0.36	14th	4	0	0	1	3	12	0	0	0	7	4	14	14	5	1	1	4	6	11			Westminster.	
—	58°7	142	- 13	38	- 3	6.7	—	6.1	0.74	-1.41	0.66	14th	3	0	0	0	2	12	2	1	0	0	5	22	10	2	2	2	5	4	8			Greenwich.	
56°6	—	—	—	—	—	6.6	—	6.0	0.91	-1.20	0.59	13th	5	0	0	1	3	12	4	0	0	0	17	16	11	3	1	4	2	2	4			Norwood.	
56°8	57°0	136	- 5	36	- 2	7.1	6.6	6.3	0.45	-1.68	0.40	13th	3	0	0	1	1	11	0	3	0	0	21	27	15	5	1	3	4	6	8			Kew.	
—	—	114	+ 1	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.	
—	—	114	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	123	—	33	—	7.5	7.5	5.4	0.99	—	0.41	28th	10	0	0	1	3	12	0	—	0	27	22	7	18	0	2	8	14	12	7			Eskdalemuir.	
—	—	—	—	—	—	7.9	—	6.4	3.24	-1.88	0.73	10th	16	0	0	0	4	17	3	—	0	8	22	4	3	0	0	7	8	5	11			Pottoalloch.	
—	—	109	+ 9	29	+ 2	8.8	—	7.0	1.49	-2.09	0.36	10th	11	0	0	0	0	17	0	1	0	4	23	2	3	8	0	1	6	12	5			Glasgow.	
—	53°7	—	—	—	—	6.4	—	4.6	2.26	-2.23	0.55	10th	13	0	0	0	8	11	12	—	0	9	21	5	0	6	0	4	2	15	7			Rothesay.	
—	—	—	—	—	—	6.1	—	—	1.55	-2.51	0.76	28th	9	0	0	0	5	12	5	0	0	14	8	10	6	2	0	6	6	10	12			Colmonell.	
55°8	56°8	133	—	35	—	6.6	—	5.4	0.91	-2.46	0.35	26th	8	0	0	0	7	12	3	1	0	4	9	2	8	3	3	1	15	3	16			Dumfries.	
—	—	—	—	—	—	—	—	—	1.37	-2.76	0.72	28th	10	0	0	0	—	—	—	1	—	0	0	0	15	7	1	3	1	9	5	19			Cally.
—	—	165	+ 21	44	+ 6	7.0	—	4.5	0.91	-2.80	0.37	26th	8	0	0	0	3	10	4	0	0	7	1	5	11	4	4	4	3	12	16			Douglas.	
—	—	137	+ 12	36	+ 3	7.2	—	5.6	1.71	-2.40	0.76	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
56°8	57°8	134	+ 3	36	+ 1	6.9	6.1	6.0	0.54	-2.66	0.14	29th	9	0	0	0	0	8	1	2	0	34	7	11	9	11	11	4	1	18	18			Southport.	
55°2	56°9	100	—	27	—	5.1	—	4.2	0.18	-3.10	0.07	1st	6	0	0	0	4	2	0	0	0	2	0	9	14	10	5	3	7	9	3			Manchester (City).	
—	—	85	—	23	—	7.5	6.5	5.2	0.19	—	0.07	1st	7	0	0	0	3	10	4	?	0	3	35	12	12	4	4	2	4	13	4			„ (Whit. Pk).	
55°1	54°5	110	—	29	—	7.7	—	6.3	0.85	—	0.24	2nd	8	0	0	0	0	9	0	0	0	10	1	2	12	1	4	7	3	16	14			Darwen.	
54°2	54°0	135	—	36	—	6.3	—	4.8	0.86	-3.03	0.30	28th	8	0	0	0	6	8	1	1	0	2	20	13	4	0	0	0	3	16	4			Aspatia.	
55°4	54°8	115	- 8	31	- 2	6.6	—	5.1	0.39	-2.68	0.19	26th	8	0	0	0	2	9	4	2	0	7	20	7	2	0	7	2	4	15	3			Newton Rigg.	
—	—	116	- 11	31	- 3	6.5	—	4.4	0.65	-3.81	0.31	2nd	10	0	0	0	4	7	0	0	0	2	38	3	2	2	0	2	4	6	3			Stonyhurst.	
56°2	55°7	139	+ 12	37	+ 3	6.8	—	6.9	0.40	-3.01	0.12	29th	8	0	0	0	2	12	0	3	0	11	0	4	13	5	12	3	1	9	13			Blackpool.	
—	—	93	- 18	25	- 5	8.1	—	5.1	0.31	-3.28	0.08	1st	6	0	0	0	4	13	0	0	0	3	15	6	13	2	1	3	0	17	3			Manch'st r (Prest).	
—	—	124	—	33	—	6.8	—	6.6	0.46	-2.50	0.14	1st	10	0	0	3	1	10	1	—	0	5	1	4	12	4	9	3	1	17	9			Liverp'ol, Bid.Obs.	
—	—	141	+ 12	38	+ 3	7.4	—	7.2	0.52	-2.24	0.20	10th	8	0	0	0	2	17	0	—	0	1	1	10	4	8	2	20	0	13	2			Llandudno.	
—	—	—	—	—	—	7.7	6.5	5.1	1.02	-1.94	0.37	29th	10	0	0	0	0	6	2	—	0	31	5	15	14	6	7	3	10	13	17			Holyhead.	
53°2	54°2	125	—	33	—	5.9	—	5.5	0.36	—	0.12	26th	8																						

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, SEPTEMBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature.		Grnd Frost.		RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.	No. of Nig'ts.	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.		
			A	B			Max.	Day.	Min.	Day.						Amt.	Day.							
			Max.	Min.																				
		Ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°		
O. SCOTLAND, N.	p Baltasound	S 31	55.2	46.2	50.7	—	60	1st	38	25th	52.2	—	—	2.22	—	0.55	18th	20	99	—	26	—		
	p Crathes	S 140	61.5	44.2	52.9	—	69	23rd	36	8, 18, 22	55.0	54.4	1	0.90	—	0.33	2nd	7	100	—	27	—		
	p Stonehaven	—	57.9	47.1	52.5	—	67	1st	39	20th	—	—	—	0.83	—	0.34	1st	8	130	—	34	—		
1. SCOTLAND, E.	p Balruddery	S 276	62.5	45.1	53.8	—	68	9th, 24th	38	14th	—	—	—	1.10	—	0.32	28th	10	149	—	40	—		
	Edinburgh	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	a West Linton	S 800	58.1	42.9	50.5	- 2.0	68	17th	30	16th	—	—	6	0.97	—	0.26	10th	11	121	—	32	—		
2. ENGLAND, N.E.	a Alnwick Castle	—	59.9	45.9	52.9	- 0.6	67	24th	35	22nd	—	—	—	1.24	- 1.35	0.65	2nd	7	—	—	—	—		
	p Newcastle-on-Tyne	—	59.1	48.5	53.8	—	67	28th	38	20th	—	—	—	0.73	- 1.44	0.29	2nd	12	67	- 32	13	- 8		
	p Ampleforth	—	59.8	46.6	53.2	—	68	28th	39	21st	—	—	—	0.52	—	0.16	10th	6	—	—	—	—		
3. ENGLAND, E.	p Tealby	—	60.0	48.4	54.2	- 1.4	70	28th	39	13th	—	—	—	0.66	- 2.02	0.26	13th	5	—	—	—	—		
	a Fulbeck	—	62.7	47.9	55.3	- 0.6	73	28th	37	21st	—	—	0	0.74	- 1.32	0.60	14th	8	—	—	—	—		
	a Rauceby	—	61.6	48.1	54.9	—	72	28th	38	21st	56.9	56.2	0	0.95	- 1.40	0.77	14th	7	110	—	29	—		
4. MIDLAND COUNTIES	a Felixstowe	—	64.1	50.2	57.2	+ 0.2	69	26th	41	21st	—	—	—	0.91	—	0.84	13th	7	170	—	45	—		
	a Rothamsted	—	61.6	47.3	54.5	- 1.2	71	28th	38	10th, 21st	—	—	—	0.80	- 1.60	0.39	13th	11	118	- 28	32	- 7		
	a Shoburness	—	63.9	50.0	57.0	- 1.6	70	28th	40	21st	—	—	—	0.88	- 1.02	0.78	13th	6	—	—	—	—		
5. ENGLAND, S.E.	a Southend-on-Sea	—	64.5	51.3	57.9	—	71	28th	41	21st	59.3	—	0	0.82	- 1.18	0.73	13th	6	145	—	39	—		
	a Harrogate	—	58.9	46.5	52.7	- 1.4	70	28th	38	21st	53.8	54.0	0	0.24	- 2.24	0.09	26th	6	107	—	29	—		
	a Bradford	—	58.9	47.4	53.2	—	72	28th	37	21st	55.5	56.9	1	0.14	—	0.06	11th, 26th	3	106	—	28	—		
6. SCOTLAND, W.	a Cheadle	ft 646	59.8	46.5	53.2	- 1.0	67	28th	36	20th, 21st	—	—	0	0.37	- 2.53	0.13	1st	7	—	—	—	—		
	a Bawtry	—	62.2	45.5	53.9	- 1.5	72	28th, 29th	35	22nd	—	—	—	0.19	- 1.81	0.04	10, 11, 19	6	—	—	—	—		
	a Worksop	ft 56	63.2	46.8	55.0	- 0.2	72	28th	35	22nd	55.5	55.4	0	0.16	- 1.86	0.05	19th	7	100	- 19	27	- 5		
7. ENGLAND, N.W.	a Mayfield (Staffs.)	—	60.8	45.0	52.9	—	70	28th	31	21st	—	—	1	0.21	—	0.07	26th	7	—	—	—	—		
	a Belper	—	62.1	47.2	54.7	—	71	28th	35	21st	—	—	0	0.46	—	0.23	14th	8	—	—	—	—		
	a Kingston-on-Soar	—	61.8	46.6	54.2	—	72	28th	31	20th	56.6	—	—	0.55	—	0.50	14th	6	—	—	—	—		
8. ENGLAND, S.W.	p Rugby	—	62.5	45.6	54.1	- 1.5	72	2nd, 28th	31	21st	—	—	3	0.53	—	0.51	14th	2	—	—	—	—		
	a Raunds	ft 210	63.7	46.6	55.2	- 1.1	76	28th	34	21st	56.8	—	1	0.53	—	0.42	14th	5	—	—	—	—		
	a Winslow	—	60.8	47.3	54.1	—	70	28th	35	21st	—	—	1	0.69	—	0.49	14th	6	—	—	—	—		
9. ENGLAND, S.W.	a Hereford	ft 291	63.2	46.8	55.0	- 0.8	72	2nd	33	21st	—	—	2	0.58	- 1.76	0.47	14th	4	—	—	—	—		
	a Cirencester	—	63.7	46.3	55.0	- 0.1	72	28th	36	23rd	55.9	55.7	3	0.38	- 2.31	0.23	14th	6	126	- 13	34	- 3		
	a Epsom	—	63.8	47.9	55.9	—	74	28th	34	21st	—	—	3	0.97	—	0.52	13th	6	—	—	—	—		
10. ENGLAND, S.W.	a Wokingham	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	a Maidenhead	—	66.8	47.3	57.1	—	78	28th	34	21st	—	—	1	0.29	- 2.00	0.15	13th	4	—	—	—	—		
	a Marlborough	—	62.6	45.3	54.0	- 0.9	73	28th	32	21st, 23rd	—	—	4	0.28	- 2.42	0.27	14th	2	121	- 9	32	- 3		
11. ENGLAND, S.W.	a Bucklebury	—	62.4	47.3	54.9	—	73	28th	35	21st	—	—	3	0.32	—	0.26	14th	3	—	—	—	—		
	a Swaraton	ft 310	62.6	46.3	54.5	- 1.0	73	28th	33	23rd	—	—	—	0.19	- 2.38	0.11	14th	5	—	—	—	—		
	a Margate	—	63.8	53.3	58.6	0.0	71	25th	48	21st	57.6	57.3	0	1.22	- 0.87	0.60	13th	10	155	+ 5	41	+ 1		
12. ENGLAND, S.W.	Broadstairs	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	a Wisley	—	63.4	47.9	55.7	- 2.3	74	28th	35	21st	57.2	57.8	2	0.60	—	0.42	13th	4	135	—	36	—		
13. ENGLAND, S.W.	a Basingstoke	—	62.5	46.7	54.6	—	73	28th	34	21st	56.1	56.7	2	0.43	—	0.38	14th	5	—	—	—	—		
	a Dover	—	63.6	50.7	57.2	—	69	28th	42	21st	57.3	56.4	0	0.75	—	0.38	13th	6	171	—	46	—		
	a Tunbridge Wells	ft 421	63.0	47.7	55.4	- 1.3	74	28th	38	21st	57.6	—	0	0.39	- 2.08	0.28	13th	4	163	+ 6	44	+ 2		
14. ENGLAND, S.W.	a Matfield	—	62.8	48.2	55.5	—	73	28th	39	21st	—	—	1	0.45	—	0.27	13th	9	—	—	—	—		
	p Folkestone	—	63.7	52.5	58.1	—	72	28th	43	21st	—	56.0	—	0.56	- 1.91	0.35	14th	5	188	—	50	—		
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
15. ENGLAND, S.W.	a Bexhill	—	63.7	51.9	57.8	—	69	1st	42	21st	59.7	—	0	0.28	—	0.13	13th	6	171	—	46	—		
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	a Worthing	—	64.1	49.8	57.0	- 1.0	70	1st	40	21st	58.5	59.0	0	0.15	- 2.30	0.07	14th	4	187	—	50	—		
16. ENGLAND, S.W.	a Bognor	—	63.1	49.8	56.5	—	71	2nd	39	21st	—	57.2	0	0.15	—	0.07	25th	5	188	—	50	—		
	Westbourne	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	a Totland Bay	—	63.2	50.5	56.9	- 0.9	69	2nd	41	21st	—	—	1	0.12	- 2.36	0.08	14th	4	182	—	49	—		
17. ENGLAND, S.W.	a Sandown	—	64.8	51.5	58.2	—	72	2nd	42	21st	—	—	—	0.25	—	0.13	14th	7	174	—	47	—		
	p Bournemouth	—	64.3	48.7	56.5	—	71	2nd	37	21st	57.7	58.6	—	0.18	—	0.12	14th	3	175	—	47	—		
	p Oban	—	60.5	49.0	54.8	—	67	11th	42	14th	—	—	0	2.17	—	0.57	2nd	13	131	—	35	—		
18. ENGLAND, S.W.	a Thorntonhall (Lanarkshire)	440	60.0	45.1	52.6																			

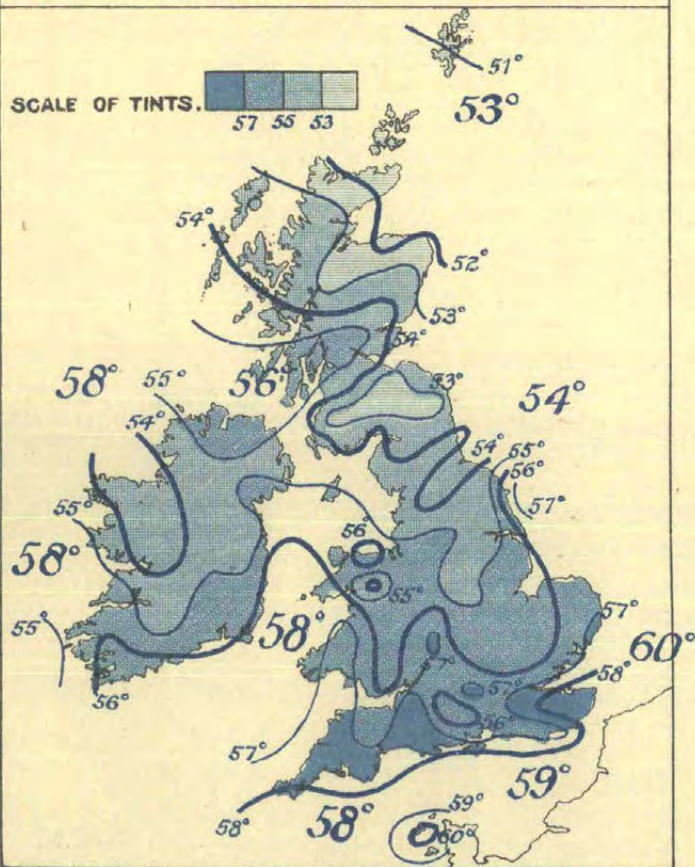
1. BAROMETER AND WIND AT 7 A.M.

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



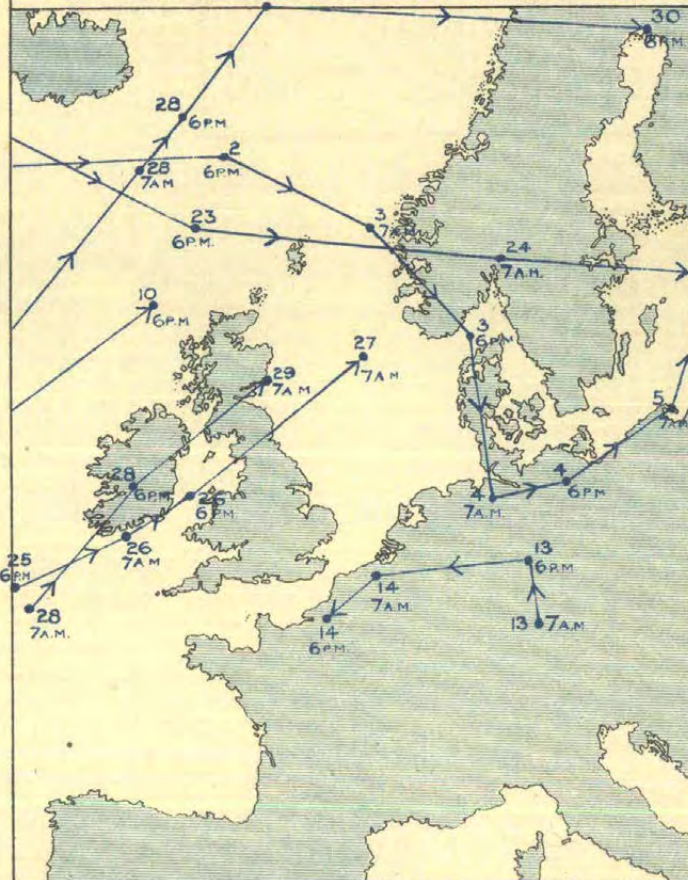
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 Light moderate strong
 30 Obs. = 1 inch

3. DISTRIBUTION OF MEAN TEMPERATURE.



Sea temperatures are shown in large figures thus - 60°

2. MOVEMENTS OF DEPRESSIONS.



4. BRIGHT SUNSHINE, IN HOURS.

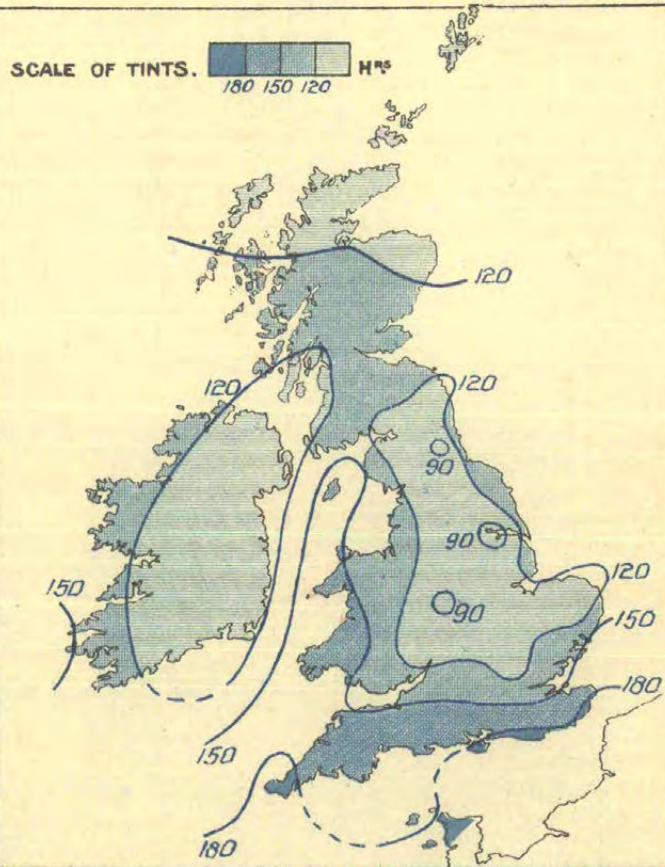


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, SEPTEMBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost. No. of Nig'ts	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.			
			Mean of		Mean of A and B. °	Diff. of Mean from Normal. °	Absolute Maximum and Minimum.				1 ft.	4 ft.		Total Fall. Ins.	Diff. from Normal. Ins.	Most in a day.		Number of Days.	Total in Hours. Hrs.	Diff. from Normal. Hrs.	Per Cent. %	Diff. from Normal. %
			A	B			Max.	Day.	Min.	Day.						Amt.	Date.					
			°	°																		
			Max.	Min.																		
8. ENGLAND, S.W. (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	0.38	—	0.23	14th	4	—	—	—	—	
	" "	900	—	—	—	—	—	—	—	—	—	—	0.71	—	0.60	14th	4	—	—	—	—	
	a Cardiff	50	62.5	48.5	55.5	-1.3	68	27th, 28th	38	21st	57.1	57.2	0	0.18	-3.73	0.12	14th	5	149	—	40	—
	a Swansea	24	64.3	50.6	57.7	—	72	1st	39	21st	59.7	59.1	0	0.23	—	0.15	14th	4	135	—	36	—
	a Shaftesbury	722	62.0	48.5	55.3	-0.7	69	28th	38	21st	57.3	—	—	0.31	-2.61	0.25	14th	4	—	—	—	—
	a Arlington	613	61.7	48.2	55.0	-0.5	67	27th, 28th	36	21st	—	—	—	0.30	-4.35	0.16	14th	4	—	—	—	—
	a Culmpton	202	65.0	46.8	55.9	-1.2	70	28th	32	21st	58.1	—	0	0.35	-2.56	0.16	10th	4	140	-3	38	0
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	174	+13	47	+4
	a Weymouth	21	65.2	50.9	58.1	—	68	1st, 19th	40	21st	—	—	—	0.15	—	0.12	14th	3	174	—	47	—
	p Paignton	11	63.8	50.4	57.1	—	69	3rd	40	21st	—	—	—	0.16	—	0.06	14th	4	165	—	44	—
	p Sheepstor	749	62.6	45.5	54.1	—	71	28th	35	23rd	—	—	—	0.52	—	0.28	14th	7	—	—	—	—
	a Newquay	100	61.5	52.3	56.9	-1.1	69	28th	42	21st	57.9	—	—	0.32	-3.04	0.17	10th	3	196	+40	53	+11
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	173	—	46	—
	a Teignmouth	19	63.9	51.5	57.7	—	70	1st	40	21st	—	—	?	0.22	—	0.16	14th	4	160	—	43	—
a Fowey	—	65.1	50.0	57.6	—	69	13th	39	20th	—	—	—	0.18	—	0.09	25th	3	171	—	46	—	
9. IRELAND, N.	a Penzance	54	64.0	53.3	58.7	—	67	6th, 13th	43	21st	—	—	—	0.33	—	0.14	14th	8	182	—	49	—
	p Dunfanaghy	54	58.7	49.8	54.3	—	64	8, 9, 27th	46	9, 20, 25th	—	—	—	0.96	—	0.24	10th	12	—	—	—	—
	p Dublin (Glasnevin)	67	61.8	47.0	54.4	-0.3	70	27th	39	20th	—	—	4	0.70	-1.63	0.24	27th	10	—	—	—	—
	a Kingstown	42	61.3	50.8	56.1	—	63	1st, 27th	43	20th, 30th	—	—	—	0.67	—	0.30	5th	6	115	—	31	—
	p Clongowes Wood College	245	61.2	45.6	53.4	—	67	1st	34	20th	—	—	4	0.64	—	0.32	27th	9	93	—	25	—
	a Mountmellick	283	62.3	47.7	55.0	—	68	1st, 4th	35	30th	—	—	—	0.89	—	0.55	27th	7	—	—	—	—
10. IRELAND, S.	p Newcastle (Co. Wicklow)	256	60.2	48.6	54.4	—	68	1st	42	23rd, 30th	—	—	—	0.61	—	0.17	10th	6	—	—	—	—
	a Kilkenny	212	61.9	48.2	55.1	-0.1	68	1st, 4th	38	30th	—	—	—	0.81	-1.86	0.47	27th	7	—	—	—	—
	a Cahir	199	62.2	47.7	55.0	-0.0	68	4th	35	30th	—	—	—	0.75	—	0.32	27th	7	—	—	—	—
	a Foynes	108	60.5	49.3	54.9	-0.5	65	5, 8, 9th	41	30th	—	—	—	1.09	-1.90	0.36	27th	17	—	—	—	—
	a Ballinacurra	34	63.7	48.9	56.3	—	69	3rd	39	24th, 30th	—	—	—	1.11	—	0.55	27th	6	113	—	30	—
11. ENGLISH CHANNEL	a Guernsey (Villa Carey)	180	65.0	53.7	59.4	-0.1	74	28th	48	22nd, 23rd	—	—	—	0.39	-2.78	0.21	15th	5	177	+1	47	0

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. At Brighton, Plymouth and Southampton the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

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 A and B. 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 A. 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 § 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.

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, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-FIFTH YEAR.
Vol. XXVII. (New Series)
Weekly Weather Report. } No. X.

OCTOBER, 1910.

[Price 6d.]

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—During the period under notice the distribution of atmospheric pressure over the British Isles and the surrounding regions was almost continuously undergoing more or less important variations, arising from the widely different paths followed by the anticyclonic and the cyclonic systems. A high pressure system crossed the United Kingdom between the 4th and the 6th, the barometer rising above 30.5 ins. at the majority of stations, and exceeding 30.6 ins. in the south of Ireland and over the western portion of the English Channel. Subsequently the anticyclone travelled away to the Black Sea. The central space of another anticyclone crossed the northern parts of Britain on the 13th and 14th. In it the barometer rose above 30.5 ins. over nearly the whole kingdom, exceeding 30½ ins. in the north of Scotland. The highest record for the month, 30.81 ins. at Sumburgh Head, occurred on the 14th. The system afterwards followed an easterly path to the Baltic and Russia. In the second half of the month anticyclones were found mainly over Continental countries, from Scandinavia round to the Spanish Peninsula, but towards the close of the month a high pressure area appeared near Iceland, and moving southward, passed the Hebrides and Ireland on the 30th and 31st. The cyclonic disturbances, with the exception of one at the close of the month, were of little depth. On the evening of the 1st a "V"-shaped depression was developed on the Atlantic, in about 52° N., 16° W. Moving eastward it reached the St. George's and Bristol Channels by the evening of the 2nd. The heaviest rainfalls which it produced in our islands were 1.9 ins. at Caragh Lake, on the 1st, and 1.6 ins. at Douglas, Isle of Man, next day. At Basingstoke, on the 1st, 0.15 in. of rain fell in five minutes, and at Epsom 0.25 in. in four minutes. With the approach of the disturbance the wind increased very decidedly, and during the 2nd the force of a gale was attained in various parts of England and Ireland, and storm forces at Portland Bill (S.W. 10), and at Scilly (W.N.W. 11). At Fleetwood the anemometer registered 48 miles of North-West wind in an hour, at Pendennis 47 miles from West, with gusts of 67 miles per hour, and at Scilly 59 miles, with gusts at the rate of 70 miles per hour, while Roche's Point, Southport, Holyhead, Llaneugrad (Anglesey), Plymouth, Brighton, Dover and Shoeburyness had gusts at the rate of 56 to 61 miles an hour. A remarkable feature of this severe gale was its sharply defined southern limit—on the Channel, along the fiftieth parallel, only strong to high winds (forces 6 to 7) were experienced.

Another "V"-shaped depression appeared off the south-west of Ireland on the evening of the 10th. Two days later its minimum was shown near the Straits of Dover. From this point it moved westward along the Channel. On the following days low pressure prevailed over the Bay of Biscay. After the 16th the system moved on a north-easterly course across Wales and England, and disappeared over Finland after the 19th. Associated with this system of disturbances were very heavy rains in many localities, on the 11th, 1.7 in. at Barnstaple, and 1.8 in. at Bethesda; on the 12th, 1.7 in. at Ventnor, and 1.9 in. at Arlington; on the 13th, 1.7 in. at Guernsey; and on the 16th, 1.1 in. to 1.7 in. over the Forest of Dean. Between the 12th and the 15th, North-Easterly to Easterly strong winds and gales were experienced in the southern counties, force 9 in London on the 13th, and force 10 at Dungeness and Portland Bill on the 14th. The anemometer at Holyhead registered 48 miles of wind in an hour from East on the 13th, and Pendennis 57 miles from North-East (in squalls 72 miles per hour) on the 14th.

A disturbance which was approaching our western coasts on the morning of the 18th, after passing over the North Sea to near the Danish coast, suddenly changed its course and reached the north-east of France by the evening of the 20th, finally disappearing on the Adriatic. While in our neighbourhood it was accompanied by strong or high winds pretty generally, a whole gale from North at Malin Head and Scilly on the 20th. Its progress was marked also by very heavy rain in several districts. On the 14th the measurements ranged up to 1.4 in. at Darwen, and next day up to 1.5 in. at Ruthin, while on the 20th, as the centre moved down near the Straits of Dover, there was a tropical downpour over the eastern half of Kent, 1.6 in. at Dungeness, 1.8 in. at Sandgate and Kearsney, 2.2 ins. at the Dover Water Works, and 2.4 ins. at Dover.

On the morning of the 21st a disturbance was shown in 54° N., 25° W. Its progress eastward was slow. It appeared off the south-west of Ireland on the evening of the 24th, and off the west coast of France on the morning of the 30th. It dispersed over western Germany on the following day.

From the 26th to the 28th it caused high Easterly winds in many parts of England, a gale at Scilly and Spurn Head, a strong gale at Portland Bill, and at Pendennis a velocity of 51 miles in an hour was attained, with squalls of 65 miles an hour. The heaviest rainfall occurred over south-western England on the 27th, an inch or more at several stations, 1.3 in. at Paignton, 1.4 in. at Torquay.

On the morning of the 30th pressure was falling briskly at the Iceland stations. The system causing the change moved quickly on a south-easterly course. By the evening of the 31st its centre was already near Shetland, and the influence of the depression had extended to every part of the British Isles. The barometer fell at a great rate, dropping below 29.5 ins. at nearly all stations, below 29 ins. at all in Scotland, and touching 28.68 ins. at Sumburgh Head. A decided increase in the force of the South-Westerly to Westerly wind was the result, a gale blowing in several districts, a strong gale at Portland Bill, and a whole gale at Malin Head and Spurn Head. In squalls velocities of 56 miles an hour were registered at Scilly, 59 at Southport, 62 at Llaneugrad, and 68 miles per hour at Roche's Point. Heavy rain was experienced over the greater part of the kingdom, more than an inch falling at many stations in Britain, up to 2 ins. at Ford (Argyll), Fort William and Glencarron, 2.2 ins. at Kinlochewe.

For the whole month the mean distribution of pressure differed widely from the normal. Instead of a gradual increase in the values from north to south, the highest mean pressure, above 30.1 ins., was shown in an area having its central space on the eastern side of the North Sea, which extended westward across these Islands. Off the mouth of the English Channel the mean pressure was below 29.95 ins., and north-west of Iceland it was below 29.75 ins. The prevailing winds were, therefore, Easterly over our southern districts, much more variable further north. At Sumburgh Head the pressure for the month was as much as 0.31 in. above the average, the excess diminishing southward to 0.05 in. at Scilly. The range of pressure exceeded 2.1 ins. at Sumburgh Head, and 2 ins. at Nairn, against less than an inch in the south of England.

Mildness was a feature of the month, the mean temperature showing an excess at nearly every station, and in several localities it was more than 4° above the normal. On the 1st and 2nd maxima of 70° and upwards were recorded in many places, 74° at Cromer, East Ham and Maidenhead, and 75° at Colwyn Bay. Minima of 32° and under occurred on varied dates, 28° at Markree on the 31st, but as a rule the extremes were within moderate limits.

Aurora was reported, mainly in Scotland, on 1st, 4th, 5th, 6th, 8th, 9th.

A heavy shock of earthquake was felt at Scilly at 8.2 a.m. on the 30th.

Fog was of almost daily occurrence on various parts of the east coast, but in the west it was reported principally from the 6th to the 8th, dense in places, and on the south coast on the 1st, and the 8th to the 10th.

The temperature of the coastal water showed a decrease on the September records, as much as 5° lower off Plymouth and the mouth of the Shannon, and 6° off Bantry Bay. The water was, however, warmer than the air on shore, by 3° or 4° in some neighbourhoods.

Rainfall.—In many localities the dry weather of the second half of September was maintained, with the exception of a break on October 2nd, until October 10th. Although there were considerable falls of rain afterwards, only southern England and the Channel Islands had an excess for the month, Falmouth returning 3.1 ins. more than usual. At many stations the deficiency was more than 2 ins., at Bendamph (Loch Torridon) as much as 5 ins., and at Seathwaite 6 ins. There were numerous aggregate totals exceeding 5 ins., the largest being 10.9 ins. at Glenquoich, and 12.7 ins. at Seathwaite. Few stations had less than an inch, Fortrose, Ross-shire, only 0.6 in. The number of days with precipitation ranged from five at Cawdor, and six at Cargen to twenty-two at Killarney and Salisbury, and twenty-seven at Roche's Point.

Bright Sunshine.—In the north of Scotland there was a moderate excess of sunshine, but elsewhere there was a general deficiency, an hour or more per day at a number of stations, the aggregate loss at some southern ones exceeding 40 hours, 45 at Cirencester, 46 at Marlborough, and 47 at Ventnor. The largest totals were 125 hours (38 per cent. of the possible duration) at Guernsey, and 121 hours (37 per cent.) at Jersey; the smallest, 48 hours (15 per cent.) at Bunhill Row, London, and 40 hours (12 per cent.) at Birmingham.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.													
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.													
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.				
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.		
O. SCOTLAND, N.																											
Islands.	CASTLEBAY -	48	29.964	+ .257	—	53.7	48.0	50.9	+4.5	58	1st	41	20th	50.6	52.4	51.1	1.8	2.4	2.0	In. .323	In. .330	In. .325	% 88	% 84	% 86		
	Deerness -	163	29.857	—	—	51.8	46.2	49.0	+2.6	60	5th	40	30th	49.5	—	48.4	1.5	—	1.3	.319	—	.310	90	—	90		
	SUMBURGH HEAD	126	29.886	+ .313	—	52.0	43.8	47.9	+2.2	57	16th	32	14th	47.8	49.9	47.6	1.5	2.4	1.6	.296	.299	.290	89	85	89		
	STORNOWAY	52	29.977	+ .287	—	53.9	43.2	48.6	+2.8	60	1st, 5th	34	15th	46.8	51.8	43.2	1.3	2.6	1.6	.239	.318	.297	91	82	80		
Mainland.	Wick -	80	29.942	+ .292	+ .001	54.5	42.7	48.6	+2.4	67	5th	29	14th	47.1	—	49.7	1.7	—	2.3	.283	—	.300	88	—	85		
	Strathpeffer -	210	29.819	—	—	53.1	41.8	47.5	+2.3	64	5th	31	15th	47.5	—	46.5	2.0	—	1.7	.281	—	.277	86	—	88		
	Glencarron -	504	29.485	—	—	53.1	42.5	47.8	+2.6	64	2nd	32	30th	48.4	—	47.3	2.6	—	2.4	.276	—	.270	81	—	83		
	Fort Augustus -	73	29.973	—	—	54.7	42.4	48.6	+2.0	66	2nd	30	15th	48.7	—	48.3	1.7	—	1.5	.301	—	.301	88	—	90		
	Fort William -	38	30.017	—	—	54.9	43.6	49.3	+1.9	65	2nd	33	12th	49.0	—	48.2	2.6	—	2.4	.285	—	.279	82	—	84		
	Dunrobin Castle -	16	30.013	—	—	54.1	44.5	49.3	+2.6	65	6th	36	12th	50.3	—	48.7	2.5	—	2.1	.305	—	.297	83	—	86		
District Value -						53.7	42.9	48.1	+2.0	67		29															
1. SCOTLAND, E.																											
Northern Part.	Tillypronie -	1120	28.833	—	—	51.6	40.1	45.9	+2.4	63	6th, 7th	33	31st	47.0	—	45.4	1.9	—	1.3	.282	—	.276	87	—	90		
	Dundee -	164	29.881	—	—	54.9	44.1	49.5	+3.0	66	5th	34	20th	49.7	—	48.5	1.7	—	1.5	.319	—	.309	88	—	90		
	Nairn -	82	29.939	+ .271	+ .002	54.9	40.7	47.8	+1.8	66	2nd, 5th	30	14, 15, 16	45.4	53.4	48.7	1.3	2.9	1.4	.273	.330	.309	91	81	90		
	Gordon Castle -	107	29.924	—	—	56.2	41.2	48.7	+1.9	68	1, 2, 5th	31	14th	51.0	—	47.9	2.9	—	2.2	.301	—	.280	81	—	85		
	Aberdeen -	90	29.959	+ .248	—	54.2	44.9	49.6	+2.7	67	5th	36	9th	49.4	52.8	49.0	2.5	3.8	2.2	.292	.301	.294	83	75	85		
	Balmoral -	927	—	—	—	53.9	39.0	46.5	+3.4	64	5th	29	15th, 31st	44.8	—	—	—	—	—	.243	—	—	82	—	—		
	Crieff -	436	29.578	—	—	54.5	43.0	48.8	+2.4	67	5th, 6th	35	13th	49.1	—	47.5	2.6	—	1.9	.286	—	.283	82	—	86		
	Leith -	37	29.989	+ .232	+ .002	56.2	45.1	50.7	+2.5	70	1st	39	18th, 19th	49.0	—	52.2	1.8	—	3.1	.303	—	.311	87	—	80		
	Marchmont -	500	29.499	—	—	53.9	43.7	48.8	+3.0	68	1st	36	9th, 18th	49.0	—	47.9	2.1	—	1.6	.296	—	.294	85	—	89		
	District Value -						54.5	42.4	48.3	+2.4	73		29														
2. ENGLAND, N.E.																											
Northern Part.	Seaham -	138	29.884	—	—	55.8	47.5	51.7	+3.8	70	1st	40	20th	51.6	—	51.0	2.3	—	1.6	.323	—	.336	84	—	89		
	Whitby -	145	29.850	—	—	58.7	47.1	52.9	+3.6	71	1st	42	31st	52.7	—	50.9	2.6	—	1.9	.334	—	.325	83	—	86		
	Cockle Pk (Morpeth) -	331	29.688	—	—	54.7	44.5	49.6	—	68	6th	38	1st	50.5	—	48.4	2.0	—	1.3	.320	—	.311	87	—	91		
	Shields -	117	29.915	+ .225	+ .001	56.3	45.3	50.8	+2.9	69	1st	39	9, 20, 21	49.4	—	52.6	1.3	—	2.2	.320	—	.337	91	—	85		
	Durham -	352	29.651	—	—	55.3	44.8	50.1	+3.1	68	7th	37	20th	50.3	—	49.3	1.9	—	1.4	.319	—	.318	87	—	90		
	Rounton -	245	29.756	—	—	56.0	44.4	50.2	+3.5	68	5th	38	17th	50.1	—	49.2	2.0	—	1.5	.311	—	.312	86	—	89		
	Scarborough -	127	29.882	—	—	—	47.9	—	—	—	—	43	21st	52.5	—	51.8	2.5	—	1.8	.328	—	.338	83	—	87		
	York -	53	29.979	—	—	58.0	46.2	52.1	+4.1	70	1st	40	20, 21, 31	51.7	—	51.1	2.6	—	1.7	.317	—	.332	83	—	88		
Southern Part.	Spurn Head -	28	29.988	+ .176	+ .001	56.4	49.4	52.9	+3.2	66	2nd	45	20, 21, 31	52.2	55.4	53.5	1.8	2.9	2.1	.342	.358	.351	88	82	86		
	Lincoln -	42	—	—	—	57.1	46.0	51.6	+3.4	71	2nd	37	30th	51.6	—	—	—	—	—	.353	—	—	91	—	—		
	Skegness -	16	30.011	+ .159	+ .001	56.7	48.7	52.7	—	67	2nd	42	21st, 22nd	51.3	—	53.4	1.3	—	1.7	.344	—	.361	91	—	89		
	Hull -	12	—	—	—	57.6	47.2	52.4	+4.3	70	2nd	41	1st, 30th	53.3	—	52.2	2.8	—	2.1	.331	—	.335	81	—	86		
District Value -						56.6	45.8	51.0	+3.0	72		34															
3. ENGLAND, E.																											
Northern Part.	Lowestoft -	75	29.945	—	—	57.4	49.9	53.7	+3.6	63	1st	44	20th	55.2	—	52.8	2.4	—	1.3	.367	—	.364	84	—	91		
	Cromer -	139	29.872	—	—	57.9	48.6	53.3	—	74	2nd	44	31st	52.9	—	51.9	1.7	—	1.4	.353	—	.349	88	—	91		
	Hillington -	92	29.921	—	—	57.7	45.1	51.4	+2.8	73	2nd	38	21st	51.8	—	50.2	1.3	—	1.1	.351	—	.334	91	—	92		
	Norwich -	93	—	—	—	57.5	48.0	52.8	—	71	2nd	41	21st	—	—	—	—	—	—	—	—	—	—	—	—		
	YARMOUTH	27	29.997	+ .154	—	57.7	50.5	54.1	+4.5	64	1, 2, 11th	45	20th	52.6	56.4	53.5	2.0	3.5	2.2	.343	.356	.348	86	78	85		
	Geldeston -	47	—	—	—	59.0	47.2	53.1	+3.7	71	2nd	38	17th	—	—	—	—	—	—	—	—	—	—	—	—		
Southern Part.	Cambridge -	43	29.962	—	—	58.4	46.1	52.3	+3.4	72	2nd	40	23rd, 28th	51.9	—	50.7	1.7	—	1.5	.346	—	.334	89	—	89		
	CLACTON	62	29.951	+ .114	—	58.9	49.9	54.4	+3.4	66	2nd	41	20th	52.9	57.0	54.1	1.3	3.3	1.8	.364	.369	.367	91	79	87		
	Woburn -	294	29.727	—	—	57.3	45.2	51.3	—	70	2nd	39	7th	50.8	—	50.3	1.4	—	1.5	.338	—	.329	90	—	89		
	Bennington -	411	29.613	—	—	57.9	46.4	52.2	+3.5	70	2nd	40	15th	51.0	—	50.2	1.2	—	1.4	.342	—	.327	91	—	90		
	Berkhamsted -	397	29.601	—	—	58.5	45.8	52.2	+3.8	70	2nd	39	23rd	50.8	—	50.2	1.2	—	1.3	.339	—	.329	91	—	90		
	District Value -						58.3	47.8	52.9	+4.0	74		38														
4. MIDLAND COS.																											
Eastern Part.	Garforth -	198	—	—	—	56.6	43.3	50.0	—	68	1st, 2nd	32	1st	50.9	—	49.6	2.1	—	1.7	.325	—	.316	86	—	89		
	Huddersfield -	411	29.595	—	—	55.4	45.2	50.3	—	70	1st	38	20th	49.7	53.4	49.5	1.9	3.2	1.3	.313	.330	.325	87	80	91		
	Wakefield -	100	29.938	—	—	58.5	45.5	52.0	+4.2	70	6th	38	20th	51.5	—	51.1	2.0	—	1.8	.328	—	.329	86	—	88		
	Belvoir Castle -	276	29.739	—	—	56.4	45.5	51.0	+3.0	69	1st, 2nd	37	15th	50.0	—	50.1	1.7	—	1.5	.317	—	.323	88	—	89		
	Coventry -	800	29.710	—	—	56.6	46.6	51.6	+2.9	68	1st	41	15th	50.8	—	—	—	—	—	.316	—	—	85	—	—		
	NOTTINGHAM	85	29.931	+ .146	—	56.7	45.0	50.9	+2.6	69	1st, 2nd	39	1st, 23rd	48.2	55.7	50.2	0.9	3.3	1.1	.315	.353	.335	94	79	93		
	Birmingham -																										

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Mir.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
		Ft.	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	°	°	In.	In.	In.	%	%	%			
5. ENGLAND. S.E.—cont.	Eastbourne	36	29.965	—	—	59.3	50.6	55.0	+4.6	67	2nd	44	21st	55.5	—	54.6	2.1	—	1.6	.384	—	.385	87	—	90
	Dungeness	21	29.950	+0.071	+0.001	59.5	50.0	51.8	+3.4	66	2nd	43	8th	53.6	57.8	56.1	1.2	2.3	1.5	.378	.410	.407	92	85	90
	Hastings	174	29.919	—	—0.011	59.1	50.0	54.6	+3.5	68	5th	43	21st	54.8	—	53.8	2.4	—	1.6	.362	—	.369	85	—	88
	Southampton	84	29.920	—	—0.011	59.7	48.9	54.3	+3.4	63	5th	41	21st	53.9	—	52.3	2.1	—	1.8	.361	—	.349	86	—	88
	Ventnor	80	29.938	—	—	59.4	50.8	55.1	+2.2	66	5th	42	21st	54.7	—	—	2.2	—	—	.366	—	—	86	—	—
District Value						58.8	48.4	53.4	+3.1	74															
LONDON	Tottenham	55	29.949	—	—0.011	59.7	48.8	54.3	+5.2	72	2nd	41	21st	53.7	—	52.7	1.7	—	0.9	.370	—	.377	89	—	94
	Hampstead	453	29.931	—	—	57.2	47.7	52.5	—	70	2nd	41	21st	51.3	—	51.2	1.1	—	0.9	.352	—	.357	93	—	93
	Camden Square	123	29.890	—	—0.011	60.6	48.3	54.5	+4.4	73	2nd	42	21st	53.4	—	53.1	1.8	—	1.5	.358	—	.362	88	—	90
	Westminster	54	29.953	+0.094	+0.001	59.6	49.6	54.6	+5.4	72	2nd	44	21st, 23rd	52.0	—	55.5	1.4	—	3.0	.351	—	.357	90	—	81
	Greenwich	159	29.811 29.836	— +0.115	—0.011	59.8	47.6	53.7 53.4	+3.3 +3.4	73	2nd	40	23rd	53.1	—	52.1	1.9	—	1.7	.351	—	.344	87	—	88
	Norwood	235	29.758	—	—0.011	59.2	48.3	53.8	+4.3	72	2nd	41	21st	53.1	—	52.4	1.8	—	1.6	.355	—	.351	88	—	89
	Kew	34	29.982 29.974	+0.088 +0.090	—0.011	59.0	48.6	53.8 53.8	+4.6 +4.8	70	2nd	39	21st	53.4	57.5	53.1	2.4	4.6	2.2	.342	.344	.344	84	73	84
	Bunhill Row	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Esksdalemuir	778	29.208	—	—	52.6	39.9	46.3	—	65	1st	30	1st	48.2	49.6	45.3	2.1	2.6	1.0	.292	.294	.282	86	83	92
6. SCOT- LAND, W.	Poltalloch	135	29.901	—	—0.007	55.4	45.7	50.6	+3.1	61	6th	33	12th	50.3	—	49.4	3.1	—	2.5	.288	—	.292	79	—	83
	Glasgow	184	29.842	—	—0.008	54.5	45.8	50.2	+3.4	64	1st	38	20th	50.1	—	49.4	2.7	—	2.1	.298	—	.305	82	—	85
	Rothsay	76	29.965	—	—0.008	55.1	45.9	51.0	+3.2	65	6th	37	12, 13, 30	50.2	—	49.4	2.0	—	1.8	.312	—	.307	86	—	88
	Colmonell	150	29.903	—	—	57.1	44.4	50.8	+2.9	69	6th	34	30th	50.3	54.0	—	2.7	4.1	—	.297	.308	—	82	74	—
	Dumfries	155	29.890	—	—0.008	55.6	43.5	49.6	+1.9	67	1st	36	15, 20, 30	48.9	—	49.3	2.2	—	1.8	.294	—	.306	85	—	88
ISLE OF MAN	Cally, Gatehouse	120	—	—	—0.008	55.3	43.0	49.2	+2.1	67	5th	35	9th, 20th	51.1	—	49.5	2.7	—	2.7	.308	—	.288	81	—	82
	Douglas	284	29.729	—	—0.009	55.2	47.5	51.4	+2.8	63	1st	41	20th	51.6	—	50.7	2.6	—	1.9	.320	—	.326	83	—	87
District Value						55.6	44.8	50.1	+2.4	69															
7. ENG- LAND, N.W.	Southport	42	29.996	—	—0.009	56.1	46.7	51.4	+2.8	70	1st	38	30th	51.5	54.6	50.8	2.6	3.9	1.9	.315	.322	.324	82	76	87
	Manchester (City)	195	29.822	—	—0.010	56.5	48.2	52.4	—	71	1st	39	20th	51.9	—	52.1	2.3	—	1.9	.331	—	.343	85	—	87
	„ (Whitworth Pk)	127	29.868	—	—0.010	56.8	47.6	52.2	—	71	1st	40	20th	51.8	55.2	51.7	1.4	—	1.0	.348	—	.357	91	82	93
	Darwen	730	29.746	—	—0.009	54.0	44.1	49.1	—	66	1st	34	20th	49.9	—	49.3	2.1	—	1.5	.311	—	.317	85	—	89
	Aspatria	264	29.763	—	—0.009	56.2	43.1	49.7	+2.7	72	1st	31	20th	50.1	—	48.6	1.7	—	1.1	.318	—	.315	88	—	93
	Newton Rigg	559	29.425	—	—0.009	55.0	42.4	48.7	+2.6	69	1st	32	20th	47.2	—	47.9	1.3	—	1.2	.294	—	.304	91	—	92
	Stonyhurst	363	29.646	—	—0.009	55.2	46.0	50.6	+3.1	67	1st, 5th?	38	20th	50.4	—	50.5	2.8	—	2.3	.301	—	.314	81	—	85
	Blackpool	73	29.949	—	—0.009	56.0	45.3	50.7	+1.7	69	1st	36	30th	52.5	—	50.3	2.5	—	1.4	.328	—	.329	83	—	90
	M'nch't'r (Prestwich)	320	29.680	—	—0.010	56.2	46.0	51.1	+3.3	70	1st	37	20th	50.8	—	51.0	1.8	—	1.4	.325	—	.338	87	—	90
	Liverp'l, Bidston Obs.	197	29.810	—	—0.010	55.6	47.4	51.5	+2.3	68	1st	38	30th	51.0	—	50.9	2.8	—	1.9	.304	—	.324	81	—	87
8. NORTH WALES	Llandudno	32	29.998	—	—0.010	56.7	48.3	52.5	+1.9	73	1st	41	31st	52.1	—	52.1	2.3	—	1.5	.329	—	.350	84	—	89
	HOLYHEAD	48	29.953	+0.157	—0.003	56.7	47.6	52.2	+1.4	71	1st	43	31st	51.1	55.8	52.2	1.4	3.0	1.3	.340	.363	.355	90	81	91
	Bettws-y-Coed	100	29.894	—	—0.010	56.7	44.0	50.4	—0.3	71	1st	37	10th	50.6	—	48.9	2.1	—	0.9	.316	—	.323	86	—	94
	Llanegwad	310	29.700	—	—0.010	55.3	46.6	51.0	—	70	1st	38	20th	52.2	—	50.5	2.3	—	1.4	.334	—	.334	85	—	90
	District Value					56.2	45.6	50.7	+1.9	75															
9. SOUTH WALES	Llangammarch Wells	585	29.394	—	—	54.8	43.5	49.2	—0.6	69	1st	34	31st	49.2	—	—	1.3	—	—	.318	—	—	91	—	—
	PEMBROKE	150	29.805	+0.097	—0.003	56.7	48.1	52.4	+0.8	62	1st	41	21st	51.3	54.6	51.2	1.4	2.8	1.3	.342	.350	.343	90	82	91
	Clifton	229	—	—	—	56.8	47.4	52.1	+2.4	65	1st	40	20th	—	—	—	—	—	—	—	—	—	—	—	—
	PORTLAND BILL	23	29.932	+0.050	—0.003	58.8	51.1	55.0	+2.3	65	5th, 9th	44	20, 21, 31	54.2	56.7	55.3	1.3	2.2	1.5	.383	.395	.394	91	86	90
	Plymouth	116	29.862	—	—0.011	59.0	49.4	54.2	+2.9	66	5th	40	21st	54.1	57.1	54.0	1.9	3.3	2.0	.372	.377	.366	89	80	87
10. ENG- LAND, S.W.	Falmouth	183	29.831 29.792	+0.073 +0.074	—0.010	57.2	50.1	53.7 53.9	+1.8 +2.1	61	7th	42	20th	54.2	56.0	53.3	1.8	2.6	1.6	.369	.375	.362	88	83	89
	Woolacombe	100	29.869	—	—0.011	58.5	50.2	54.4	+0.5	67	6th	43	20th	54.7	—	53.7	2.8	—	2.4	.351	—	.346	82	—	84
	Whitchurch	595	29.336	—	—0.011	56.6	46.7	5																	

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of OCTOBER, 1910.

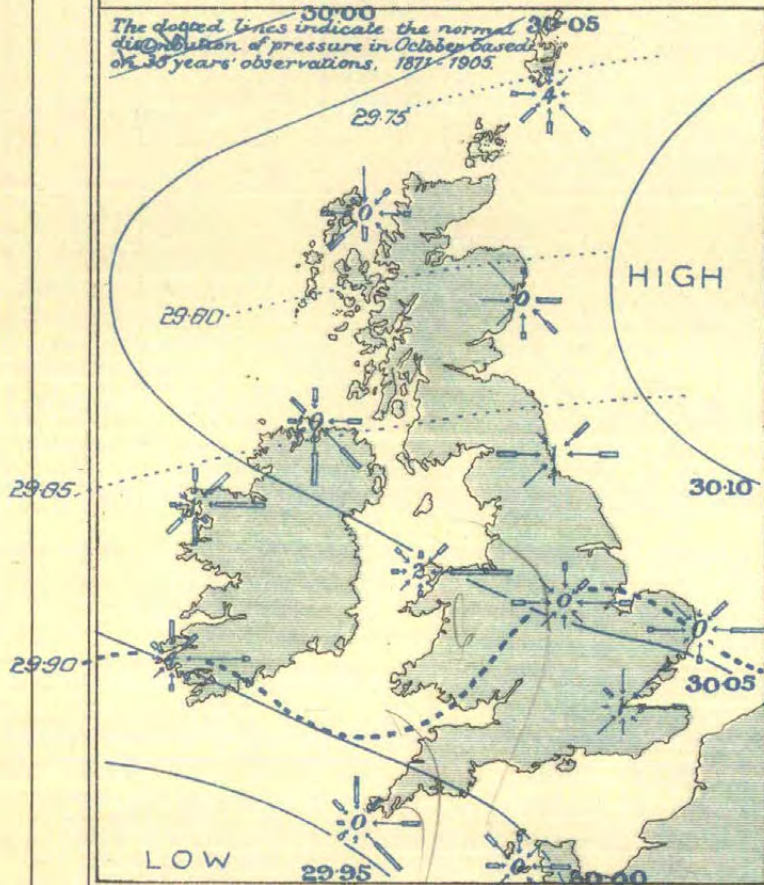
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
°		Hrs.	Hrs.	%	%				Inch.	Inch.	Inch.																						
56.1	57.5	93	- 24	29	- 7	6.3	—	7.3	5.27	+1.30	0.92	13th	14	0	0	0	2	13	0	—	0	4	6	2	20	5	10	1	8	3	7	Eastbourne.	
—	—	—	—	—	—	7.9	7.9	8.5	5.16	+1.92	1.60	20th	15	0	0	2	0	12	3	—	3	41	0	5	25	24	6	10	10	9	4	Dungeness.	
55.5	56.9	99	- 20	30	- 7	6.7	—	6.5	4.39	+0.67	0.90	20th	19	0	0	2	5	13	3	0	4	28	1	7	11	16	5	6	3	7	6	Hastings.	
—	—	72	- 40	22	-13	7.2	—	4.9	4.14	+0.51	1.20	12th	16	0	0	0	5	10	0	0	0	19	0	0	26	2	13	0	11	2	8	Southampton.	
—	—	75	- 47	23	-14	8.4	—	—	6.30	+2.53	1.65	12th	21	0	0	1	0	20	0	—	1	10	0	12	9	10	9	7	6	2	7	Ventnor.	
54.5	56.3	77	- 29	24	- 9	7.5	—	6.9	3.89	+0.62	2.40	16	16	0	0	1	0	20	0	—	1	10	0	12	9	10	9	7	6	2	7	Tottenham.	
—	57.2	59	—	18	—	8.7	—	8.6	2.10	—	0.37	31st	14	0	0	1	0	21	1	0	0	2	3	9	13	11	4	6	7	5	4	Hampstead.	
—	—	60	—	19	—	8.8	—	7.8	2.17	—	0.36	11th, 27th	17	0	0	0	0	21	2	—	2	12	9	3	21	9	2	4	6	5	3	Camden Square.	
53.5	55.0	57	—	18	—	8.7	—	—	2.00	-0.74	0.36	11th, 31st	13	0	0	0	0	19	0	0	—	—	7	6	9	1	0	2	3	2	1	2	Westminster.
—	—	54	- 15	17	- 4	7.8	—	8.1	1.90	-0.83	0.43	31st	15	0	0	0	0	17	0	0	3	12	4	5	15	16	4	3	9	4	2	Greenwich.	
—	56.1	70	- 25	21	- 8	8.5	—	6.7	1.81	-0.97	0.39	12th	14	0	0	0	1	17	6	1	0	5	4	5	12	15	6	4	9	5	2	Norwood.	
54.0	—	—	—	—	—	7.9	—	7.3	2.68	-0.04	0.61	31st	14	0	0	0	1	17	5	0	0	4	10	9	6	16	2	8	4	4	3	Kew.	
53.9	55.4	62	- 32	19	-10	8.3	8.5	7.3	2.62	-0.09	0.62	31st	15	0	0	0	0	16	1	2	0	22	9	11	17	24	5	8	9	6	4	Bunhill Row.	
—	—	48	- 16	15	- 5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	54	—	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Eskdalemuir.	
—	—	58	—	18	—	8.8	7.5	7.5	3.84	—	1.30	31st	14	0	0	1	0	18	0	—	1	42	11	9	27	15	1	5	15	8	2	Poltalloch.	
—	—	—	—	—	—	6.8	—	6.1	2.66	-2.77	1.11	31st	15	0	0	0	5	12	1	—	3	23	3	4	7	1	16	8	13	9	1	Glasgow.	
—	—	61	- 9	19	- 3	8.2	—	7.5	1.87	-1.89	0.76	31st	9	0	0	0	0	17	0	3	0	4	13	4	10	17	0	2	4	10	2	Rothsay.	
—	51.7	—	—	—	—	6.7	—	5.2	2.75	-2.01	0.99	31st	14	0	1	0	4	9	11	—	1	31	10	3	4	26	0	4	1	7	7	Colmonell.	
—	—	—	—	—	—	6.7	—	—	2.87	-2.12	1.14	2nd	10	0	0	0	3	13	4	1	4	30	2	8	0	10	18	8	2	10	4	Dunfries.	
51.2	54.2	70	—	22	—	7.8	—	6.6	2.76	-1.28	1.01	2nd	7	0	0	0	1	16	6	4	2	11	8	3	15	6	13	1	13	0	3	Cally.	
—	—	—	—	—	—	—	—	—	3.74	-1.26	1.38	31st	8	0	0	0	—	—	2	—	1	9	0	6	14	2	8	1	7	2	22	Douglas.	
—	—	93	- 10	29	- 3	7.3	—	7.0	3.39	-1.33	1.64	2nd	10	0	2	0	1	15	4	0	6	13	3	4	6	23	4	3	4	8	7	Southport.	
—	—	77	- 8	24	- 3	7.5	—	6.7	2.80	-2.20	1.64	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Manchester (City).	
51.6	54.2	84	- 5	26	- 2	7.5	8.0	7.7	3.23	-0.64	0.98	18th	13	0	1	0	0	16	1	2	2	47	4	7	10	29	12	4	4	11	12	" (Whit. Pk.).	
51.8	54.6	68	—	21	—	5.2	—	6.0	3.12	-0.61	0.85	2nd	15	0	0	0	0	3	1	0	0	8	0	9	11	14	8	5	8	5	2	Darwen.	
—	—	62	—	19	—	7.9	7.3	7.9	2.96	—	0.90	11th	12	0	0	0	0	14	3	?	0	10	24	5	16	21	6	5	3	8	5	Aspatia.	
51.0	52.5	76	—	24	—	8.2	—	8.6	4.43	—	1.41	18th	16	0	0	0	0	19	1	3	2	26	0	1	12	11	9	11	3	8	7	Newton Rigg.	
49.9	52.0	100	—	31	—	6.3	—	5.4	2.08	-1.97	0.71	31st	12	0	0	0	1	7	2	2	1	10	15	3	10	11	0	4	3	11	5	Stonyhurst.	
51.2	52.3	77	- 7	24	- 2	7.2	—	6.5	2.65	-1.24	0.80	18th	17	0	0	0	3	14	5	5	2	13	6	5	5	13	11	6	2	10	4	Blackpool.	
—	—	71	- 17	22	- 5	7.8	—	8.2	4.05	-0.92	1.21	31st	13	0	0	0	2	18	0	0	0	4	20	4	15	8	2	1	6	3	3	Manch'st r (Prest).	
52.5	54.0	82	- 10	25	- 4	8.2	—	8.4	2.69	-1.33	0.72	18th	16	0	0	0	0	20	0	3	1	15	0	6	10	20	8	4	2	6	6	Liverp'ol, Bid.Obs.	
—	—	56	- 9	17	- 3	8.3	—	7.5	3.33	-0.60	0.97	2nd	13	0	0	0	0	19	0	0	0	13	7	10	2	23	1	5	5	7	2	Llandudno.	
—	—	83	—	26	—	7.1	—	8.4	2.54	-1.00	0.77	10th	12	0	0	0	0	16	3	—	0	14	0	4	9	20	8	3	2	9	7	Holyhead.	
—	—	81	- 7	25	- 2	7.2	—	8.2	3.57	-0.36	0.83	18th	11	0	0	0	2	20	0	—	0	11	4	4	7	19	7	5	6	8	2	Bettws-y-Coed.	
—	—	—	—	—	—	6.9	6.3	6.7	1.78	-2.55	0.53	18th	12	0	0	1	0	5	2	—	5	42	4	6	13	36	1	6	8	8	11	Llanegwad.	
49.6	51.9	90	—	28	—	6.2	—	6.5	5.93	—	1.32	31st	11	0	0	0	4	9	0	0	1	6	3	3	4	13	14	2	5	11	7	Llangamm. Wells.	
51.4	52.6	109	—	34	—	6.1	—	5.5	3.93	—	0.89	18th	12	0	0	1	6	11	0	0	5	34	0	8	2	32	0	6	4	8	2	Pembroke.	
51.1	53.0	86	1	27	0	7.2	7.2	7.3	3.07	-0.90	1.41	13	13	0	0	0	2	25	1	3	1	6	8	2	5	10	1	0	2	1	2	Clifton.	
51.4	52.9	60	—	19	—	8.7	—	—	4.28	—	1.13	31st	16																				

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, OCTOBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.				
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	
			A	B			Max.	Day.	Min.	Day.							Amt.	Day.						
																								Max.
0. SCOTLAND, N.	p Baltasound	S	31	51'4	44'1	47'8	—	57	5th	36	13th	48'0	—	—	2'09	—	0'45	7th, 31st	18	62	—	20	—	
	p Crathes	S	140	56'0	40'4	48'2	—	72	5th, 6th	31	9th, 15th	50'1	51'7	8	2'17	—	0'45	20th	17	76	—	24	—	
	p Stonehaven	?	86	56'4	45'2	50'8	—	73	7th	34	31st	—	—	—	2'04	—	0'42	18th	18	90	—	32	—	
1. SCOTLAND, E.	p Balruddery	S	276	56'0	43'0	49'5	—	69	6th	34	20th	—	—	—	2'03	—	0'71	18th	19	94	—	30	—	
	Edinburgh	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a West Linton	S	800	52'2	41'2	46'7	+ 1'4	65	1st	32	7th, 18th	—	—	8	3'39	—	1'09	18th	16	68	—	22	—	
2. ENGLAND, N.E.	a Alnwick Castle	—	210	56'0	44'6	50'3	+ 3'2	69	6th	34	31st	—	—	—	2'89	-0'67	0'50	20th	17	—	—	—	—	
	p Newcastle-on-Tyne	—	152	55'3	47'2	51'3	—	67	1st, 2nd	38	20th	—	—	—	3'15	+0'75	0'61	1st	17	54	- 16	17	- 5	
	p Ampleforth	—	349	55'8	45'9	50'9	—	69	5th	39	20th	—	—	—	2'95	—	0'75	11th	12	—	—	—	—	
3. ENGLAND, E.	p Tealby	—	251	56'9	46'6	51'8	+ 3'6	70	2nd	41	11th, 12th	—	—	—	2'35	-0'95	1'53	11th	9	—	—	—	—	
	a Fulbeck	—	180	57'7	45'3	51'5	+ 4'1	72	5th	36	30th	—	—	?	1'96	-0'51	1'05	11th	15	—	—	—	—	
	a Rauceby	—	124	57'0	45'0	51'0	—	70	2nd	39	30th	53'2	54'2	0	2'10	-0'62	1'13	11th	13	77	—	24	—	
4. MIDLAND COUNTIES	a Felixstowe	—	10	58'1	51'1	54'6	+ 4'8	64	1, 3, 5	41	20th	—	—	—	1'24	—	0'40	31st	10	90	—	23	—	
	a Rothamsted	—	424	57'6	46'0	51'8	+ 3'8	70	2nd	38	23rd	—	—	—	2'68	-0'39	0'94	11th	17	63	- 44	19	- 14	
	a Shoburness	—	13	59'0	49'4	54'2	+ 3'2	68	2nd	42	21st	—	—	—	1'34	-0'92	0'44	31st	17	—	—	—	—	
5. ENGLAND, S.E.	a Southend-on-Sea	—	90	59'6	50'5	55'1	—	73	2nd	43	21st	56'5	—	0	1'49	-0'95	0'48	31st	13	81	—	25	—	
	a Harrogate	—	476	55'1	44'8	50'0	+ 3'1	67	1st, 5th	38	20, 30, 31	51'0	51'7	0	3'74	+0'42	0'94	17th	17	92	—	29	—	
	a Bradford	—	439	54'7	45'4	50'1	—	68	1st	38	20th	51'4	55'3	0	3'58	—	0'90	31st	14	70	—	22	—	
6. SCOTLAND, W.	a Cheadle	—	646	54'4	44'2	49'3	+ 2'4	67	1st	36	20th	—	—	0	2'25	-1'01	0'70	11th	15	—	—	—	—	
	a Bawtry	—	65	58'2	42'5	50'4	+ 2'8	71	1st	35	15th	—	—	—	1'85	-0'75	0'66	11th	14	—	—	—	—	
	a Worksop	—	56	58'0	44'2	51'1	+ 3'1	71	5th	38	15th	51'6	52'9	2	2'17	-0'49	0'95	11th	15	73	- 10	23	- 3	
7. ENGLAND, N.W.	a Mayfield (Staffs.)	—	374	55'6	44'0	49'8	—	68	1st	37	10th	—	—	0	2'36	—	0'74	31st	15	—	—	—	—	
	a Belper	—	222	56'9	45'3	51'1	—	68	1st	38	30th	—	—	0	2'58	—	0'76	31st	17	—	—	—	—	
	a Kingston-on-Soar	—	125	56'6	44'7	50'7	—	69	2nd	38	1st	53'3	—	—	1'60	—	0'32	11th	17	—	—	—	—	
8. ENGLAND, S.W.	p Rugby	—	379	57'2	44'3	50'8	+ 3'2	70	1st	40	21st, 30th	—	—	0	3'47	—	1'06	1st	13	—	—	—	—	
	a Raunds	—	210	58'7	45'4	52'1	+ 4'1	73	2nd	40	23rd	53'0	—	0	1'64	—	0'50	11th	12	—	—	—	—	
	a Winslow	—	379	56'5	45'7	51'1	—	67	2nd, 11th	40	15th	—	—	0	2'88	—	1'15	11th	16	—	—	—	—	
9. ENGLAND, S.W.	a Hereford	—	291	55'6	45'5	50'6	+ 2'2	68	1st	39	20th	—	—	0	3'69	+0'92	1'15	16th	17	—	—	—	—	
	a Cirencester	—	446	55'9	44'8	50'4	+ 2'8	70	1st	40	20th	52'5	53'7	0	3'24	+0'09	0'69	11th	17	56	- 45	17	- 14	
	a Epsom	—	160	59'4	47'0	53'2	—	71	2nd	36	21st	—	—	0	3'51	—	0'73	12th	20	—	—	—	—	
10. ENGLAND, S.W.	a Wokingham	—	216	58'6	45'2	51'9	—	69	3rd	32	21st	—	—	—	3'95	—	0'77	12th	14	—	—	—	—	
	a Maidenhead	—	101	60'9	45'9	53'4	—	74	2nd	32	23rd	—	—	0	3'14	+0'12	0'60	11th	15	—	—	—	—	
	a Marlborough	—	424	56'8	44'5	50'7	+ 3'1	66	1st, 4th	37	21st	—	—	1	4'37	+0'97	0'80	12th	17	50	- 46	15	- 15	
11. ENGLAND, S.W.	a Bucklebury	—	409	56'9	46'2	51'6	—	67	2nd	39	23rd	—	—	1	4'17	—	1'10	11th	17	—	—	—	—	
	a Swaraton	—	310	57'4	45'7	51'6	+ 3'6	67	1st	39	4th	—	—	—	4'39	+0'82	1'05	11th	15	—	—	—	—	
	a Margate	—	85	59'9	51'0	55'5	+ 4'4	70	2nd	46	15th	54'6	55'4	0	1'27	-1'53	0'36	31st	12	85	- 21	26	- 7	
12. ENGLAND, S.W.	Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	1'43	—	0'46	31st	13	98	—	30	—	
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	94	—	29	—	—	
	a Wisley	—	150	59'3	47'2	53'3	+ 4'6	71	2nd	37	21st	53'5	55'5	1	3'04	—	0'61	12th	14	67	—	21	—	
13. ENGLAND, S.W.	a Basingstoke	—	289	57'7	46'4	52'1	—	69	2nd	41	21st	53'7	54'9	0	4'49	—	1'09	11th	16	—	—	—	—	
	a Dover	—	281	59'0	49'2	54'1	—	67	1, 2, 5	43	21st	54'7	55'3	?	5'11	—	2'40	20th	17	102	—	31	—	
	a Tunbridge Wells	—	421	58'0	47'4	52'7	+ 3'9	71	2nd	41	21st	54'1	—	0	3'23	-0'30	0'56	12th	15	86	- 23	27	- 7	
14. ENGLAND, S.W.	a Matfield	—	320	58'4	47'2	52'8	—	70	2nd	41	21st	—	—	0	2'93	—	0'58	31st	14	—	—	—	—	
	p Folkestone	—	121	59'7	50'6	55'2	—	68	1st, 2nd	45	11, 15, 20	—	54'6	—	4'42	+1'12	1'68	20th	14	98	—	30	—	
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100	—	31	—	—	
15. ENGLAND, S.W.	a Bexhill	—	27	59'4	51'3	55'4	—	68	5th	44	21st	56'8	—	0	4'48	—	0'85	13th	14	98	—	30	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	86	—	26	—	—	
	a Worthing	—	36	59'5	49'7	54'6	+ 3'8	68	5th	42	21st	54'9	56'6	0	3'35	-0'10	0'49	18th, 27th	16	82	—	25	—	
16. ENGLAND, S.W.	a Bognor	—	20	59'0	50'4	54'7	—	68	5th	41	21st	—	55'0	0	3'62	—	0'62	11th, 27th	14	84	—	26	—	
	Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	82	—	25	—	—	
	a Totland Bay	—	140	59'2	49'8	54'5	+ 3'3	66	5th	43	21st	—	—	0	5'05	+1'39	1'51	12th	17	76	—	23	—	
17. ENGLAND, S.W.	a Sandown	—	20	59'7	50'4	55'1	—	67	4th	42	21st	—	—	—	6'97	—	1'50	12th	21	79	—	24	—	
	p Bournemouth	—	145	58'8	48'2	53'5	—	66	4th, 5th	43	20th, 31st	54'0	55'3	—	5'49	—	1'53	12th	21					

1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in October based on 30 years' observations, 1871-1905.



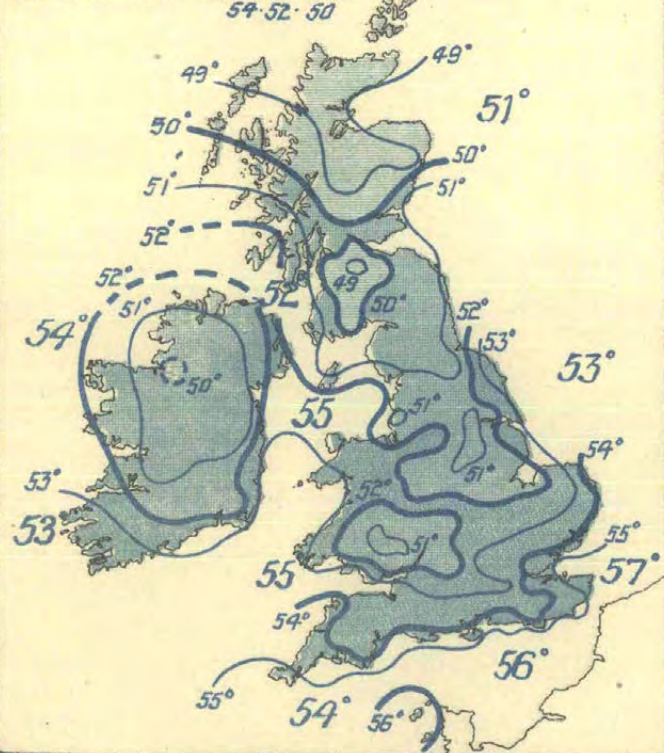
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:

Light 1-30 Obs = 1 inch - M

3. DISTRIBUTION OF MEAN TEMPERATURE.

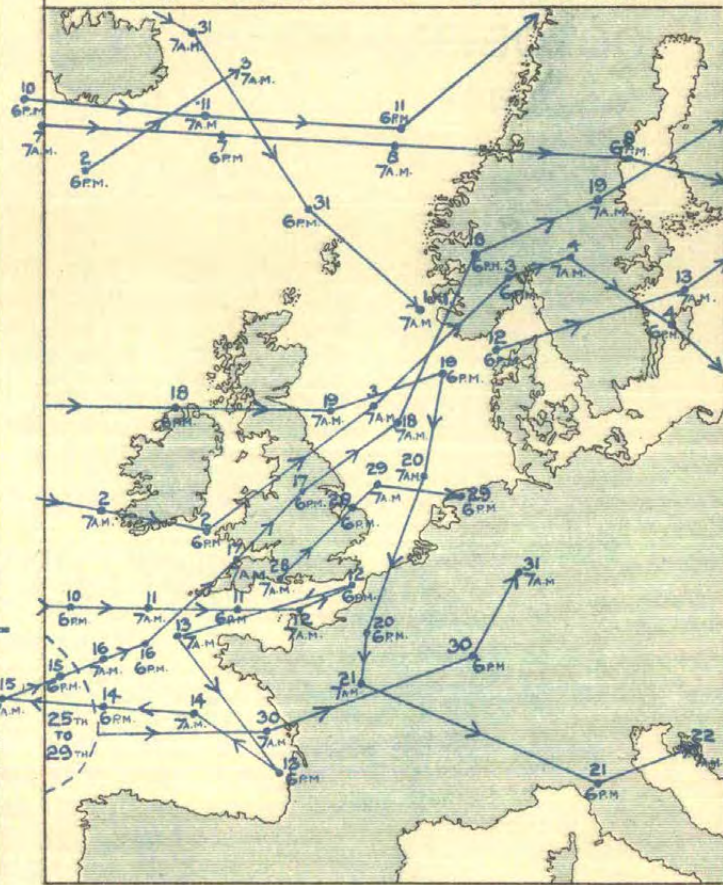
Reduced to sea level by a correction of 1°F for 300ft.

SCALE OF TINTS.



Sea Temperatures are shown in large figures thus—54°

2. MOVEMENTS OF DEPRESSIONS.

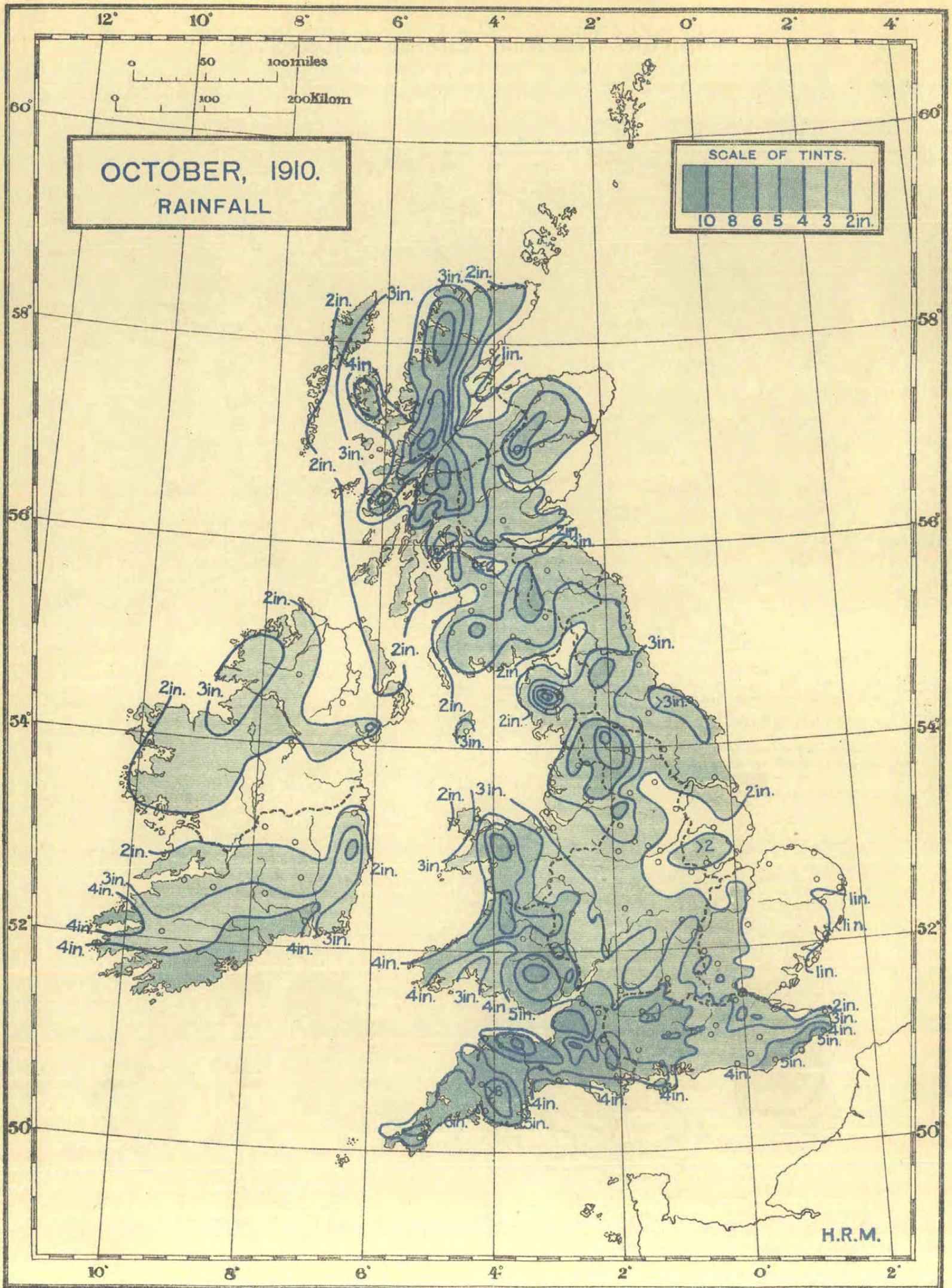


4. BRIGHT SUNSHINE, IN HOURS.

SCALE OF TINTS.

100-80-60-40-20-0 Hrs





Scale 1:5,000,000.

TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, OCTOBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost. No. of Nig'ts	RAIN AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.				
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		Total Fall.	Diff. from Normal.	Most in a day.		Num-ber of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.						Ins.	Ins.					
			Max.	Min.																		
8. ENGLAND, S.W. (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	5'05	—	1'10	16th	14	—	—	—	—	
	" "	900	—	—	—	—	—	—	—	—	—	—	5'47	—	1'65	16th	14	—	—	—	—	
	¶ a Cardiff	50	55'5	46'3	50'9	+ 1'5	64	1st, 5th	39	20th	52'4	51'6	0	4'69	- 0'04	0'89	27th	20	73	—	23	—
	a Swansea	24	53'3	49'2	53'8	—	66	5th	40	20th	54'8	56'7	0	3'83	—	0'97	11th	15	77	—	24	—
	¶ a Shaftesbury	722	55'6	46'3	51'0	+ 2'3	63	4th	40	20th	53'3	—	—	5'41	+ 1'71	1'60	12th	17	—	—	—	—
	¶ a Arlington	613	56'9	46'7	51'8	+ 2'6	66	6th	39	20th, 31st	—	—	—	8'13	+ 1'79	1'90	12th	12	—	—	—	—
	¶ a Cullompton	202	58'4	46'6	52'5	+ 3'7	67	5th	37	21st	54'0	—	0	6'35	+ 2'45	1'20	11th	19	62	- 33	19	- 10
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	80	- 30	25	- 9
	a Weymouth	21	59'5	50'2	54'9	—	68	5th	42	20th	—	—	—	3'70	—	0'85	12th	18	74	—	23	—
	p Paignton	11	53'1	49'5	53'8	—	66	4th	41	20th	—	—	—	4'62	—	1'33	27th	17	78	—	24	—
	p Sheepstor	749	56'5	44'4	50'5	—	64	5th	35	21st	—	—	—	8'88	—	1'34	10th	19	—	—	—	—
	¶ a Newquay	100	58'6	50'5	54'6	+ 2'2	66	1st	43	20th	54'7	—	—	5'27	+ 1'10	0'93	11th	19	113	+ 2	35	+ 1
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	85	—	26	—
	a Teignmouth	19	53'0	50'4	54'2	—	66	4th	42	20th	—	—	0	4'50	—	1'22	27th	21	72	—	22	—
	a Fowey	—	60'1	49'2	54'7	—	67	5th	42	19th	—	—	—	5'55	—	0'94	27th	18	107	—	33	—
	9. IRELAND, N.	a Penzance	54	59'5	51'4	55'5	—	65	7th	44	20th	—	—	—	6'13	—	1'06	12th	18	105	—	32
p Dunfanaghy		54	55'8	46'2	51'0	—	65	1st	33	31st	—	—	—	2'30	—	0'62	31st	15	—	—	—	—
p Dublin (Glasnevin)		67	56'9	45'3	51'1	+ 2'8	66	1st	34	12th	—	—	4	1'91	- 0'95	0'87	2nd	18	—	—	—	—
a Kingstown		42	56'5	48'4	52'5	—	63	4th	40	9th, 20th	—	—	—	1'84	—	0'71	2nd	19	70	—	22	—
p Clongowes Wood College		245	56'4	42'3	49'4	—	67	2nd	31	12th, 31st	—	—	7	1'09	—	0'24	2nd	17	69	—	21	—
10. IRELAND, S.	a Mountmellick	253	55'9	44'6	50'3	—	63	4th	32	31st	—	—	—	1'10	—	0'43	3rd	12	—	—	—	—
	p Newcastle (Co. Wicklow)	256	55'7	45'7	50'7	—	62	5th	38	7th	—	—	—	2'62	—	0'85	2nd	20	—	—	—	—
	¶ a Kilkenny	212	56'4	45'5	51'0	+ 2'5	65	4th	33	31st	—	—	—	2'37	- 0'73	0'53	2nd	18	—	—	—	—
	¶ a Cahir	199	56'2	45'0	50'6	+ 1'6	62	4th	31	31st	—	—	—	2'38	—	0'49	2nd	19	—	—	—	—
	¶ a Foynes	108	56'6	46'8	51'7	+ 2'5	63	1, 6, 7th	36	31st	—	—	—	2'05	- 1'70	0'54	31st	13	—	—	—	—
11. ENGLISH CHANNEL	¶ a Ballinacurra	34	57'8	46'4	52'1	—	66	4th	35	31st	—	—	—	3'95	—	1'09	26th	16	67	—	21	—
	¶ a Guernsey (Villa Carey)	180	60'7	51'3	56'0	+ 2'3	70	9th	44	13th	—	—	—	7'52	+ 2'72	1'67	13th	21	125	+ 10	38	+ 3

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at *Colmonell* and *Ventnor* 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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.

¶ § **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 A and B. 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 A. 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 ¶ 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.

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, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-FIFTH YEAR.
Vol. XXVII. (New Series)
Weekly Weather Report. } No. XI.

NOVEMBER, 1910.

[Price 6d.]

SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—Following the dry, quiet weather of September and October, a prolonged period of very unsettled conditions set in with the arrival in the vicinity of Shetland, on the last evening of October, of the very deep cyclonic area which had advanced at a brisk rate from Greenland and Iceland. Thenceforward the British Isles were nearly always under the influence of low pressure areas, generally of considerable depth, and their paths of progression exceedingly variable and complex. On various occasions the barometer fell below 29 in. at a number of stations, the lowest point touched being 28.37 in., at Castlebay on the evening of the 6th, and at Wick next morning, when pressure fell below 29 in. over practically the whole kingdom. Anticyclones, on the other hand, were conspicuous by their absence, not one high pressure centre visiting the country, but on a few days the influence of anticyclones, centred over Iceland or Spain was felt. Barometric readings as high as 30½ in. were consequently unusually rare for the time of year. In the extreme west this level was exceeded on the 19th, when the pressure at Valencia reached 30.32 in., and on the 30th, when Stornoway touched 30.3 in. Under these circumstances the mean pressure for the month was everywhere decidedly below the normal, the deficiency ranging from 0.15 in. at Stornoway, and 0.20 in. at Blacksod Point to 0.33 in. at Yarmouth, and 0.34 in. at Spurn Head. The actual values ranged from 29.49 in. at Sumburgh Head, and 29.52 in. at Wick to 29.69 in. at Scilly, and 29.71 in. at Jersey. There was a marked variation from the normal distribution of pressure. Instead of the minimum values being in the neighbourhood of Iceland, they formed a clearly defined centre below 29.5 in. between Shetland and southern Norway, whence, southward the values increased to 29.75 in. at Paris, and, north-westward, to 30.06 in. in the north-west of Iceland. Over the British Isles the direction of the gradient wind instead of being South-Westerly, was between West and North. In the individual disturbances the gradient was frequently steep, so that as a whole the month was very windy—even stormy. At the telegraphic reporting stations there were only three days, the 20th, 21st and 26th, on which the wind did not exceed the force of a strong breeze, whereas gales were felt on as many as twenty days—on six days the force of a strong gale (9) was attained at one or more stations, and on ten other days a whole gale or storm (10 or 11).

By the morning of the 1st the centre of the depression of the end of October had moved down to the vicinity of the Stavanger Fjord, the barometer at Skudesnaes having dropped to 28.28 in., while at Biarritz, a thousand miles distant, it had risen above 30 in. Across the intervening region there was thus a steep gradient, and strong winds and gales were prevalent over an extensive area. A strong Westerly to North-Westerly gale was experienced at Blacksod Point, Roche's Point, Holyhead, Jersey, Dungeness and Spurn Head, a whole gale at Malin Head, Scilly and Portland Bill. In gusts the anemometers registered velocities at the rate of 68 miles per hour at Pendennis Castle, and of 74 miles at Scilly. Thunderstorms occurred in many parts of the kingdom, but although rain was general and considerable, and in places alternated with snow or hail, the only record of as much as an inch during the day was at Mayfield (Staffs). On subsequent days the changes of pressure were irregular, and the gales were less extensively felt; but they were still severe; on the 2nd a strong North-Westerly gale at Holyhead and Portland Bill, a whole gale at Malin Head, and a storm at Scilly; on the 3rd a strong gale at Malin Head, Scilly and Jersey; and on the 4th a whole gale at Scilly.

Wireless reports from steamships disclosed the centre of a deepening cyclonic system in about 57° N., 15° W., on the evening of the 5th, the barometer at 29 in., and North-Westerly gales over a considerable area westward and south-westward of the centre. The eastward advance of the disturbance was slow, the minimum pressure on the evening of the 6th, below 28½ in., being midway between Donegal and the Hebrides. Maintaining a fairly uniform slow rate of progression it passed across Scotland (barometer below 28.4 in.) to the southern extremity of Norway, then bore away north-eastward and disappeared across Lapland on the 10th. Its approach towards our north-western coasts was marked by a rapid decrease of pressure and rapidly increasing winds, with thunderstorms and heavy rains on the 6th, when a strong gale blew at Malin Head and Holyhead from West, and at Jersey and Portland Bill from South-West, the rainfall ranging up to 1.3 in. at Dover Water Works and Kearsney (Kent), and 1.6 in. at Dunrobin. Next day the gale affected a much larger area and increased in violence, to a whole gale from North-West at Holyhead, from West at Malin Head, Scilly and Portland Bill, and a storm from East at Wick. At Scilly the squalls were at the rate of 68 miles per hour, and at Pendennis Castle 67 miles per hour.

Although thunder and lightning occurred in numerous localities the rainfall was not heavy.

A depression which crossed the country eastward from the Atlantic on the 10th, occasioned a strong Westerly gale at Aberdeen, South-Westerly at Portland Bill, and a whole gale from South at Spurn Head, with heavy rains, ranging up to 1.4 in. at Darwen, and 1.9 in. at Burnley.

From the 12th to the 18th the conditions were under the influence of a complex disturbance from the Atlantic, the main portion of which crossed Ireland and southern England, and dispersed over Denmark on the 16th, while a secondary moved up the western Channels, crossed to the upper part of the North Sea, and from near Shetland passed down the East coast of Britain, filling up near the Dutch coast on the morning of the 19th. Gales were experienced daily. On the 13th a South-Easterly storm at Sumburgh Head; on the 14th a whole Northerly gale at Sumburgh Head, and a storm at Malin Head; on the 15th a whole Westerly gale at Scilly; and on the 18th a whole Northerly gale at Spurn Head. Many large falls of rain were registered, 1.7 in. at Douglas, Isle of Man, on the 12th, and 1.6 in. at Sheepstor, Devon, on the 13th. Snow or hail fell at several stations. There were a few local thunderstorms, a short but violent one at Guernsey on the evening of the 15th, when many houses were damaged, electric cable destroyed, and lighting arrangements disorganised. While this storm was in progress in the Channel Islands the observer at Salisbury noted a "very strange light during sunset," and this had been preceded at Bromyard, Hereford, after midday, by a very dark appearance to the south-west, and by unusual darkness at Bristol between 2 p.m. and 3 p.m. There was no fog or mist, but "dense slow-moving clouds from N.N.W. involved us in a gloom which, as far as my recollection serves, is without parallel in my experience." (Mr. W. F. Denning.)

The disturbances of the remainder of the month produced much less wind, but several heavy rainstorms, on the 22nd, 23rd, 24th, 27th, 29th and 30th.

Notwithstanding the frequent and heavy rains the month was unusually cold. There was an almost complete absence of afternoon maximum temperatures above 55°, while there were very numerous maxima below 40°, as low as 30° at Fort Augustus on the 22nd, and 31° at Limerick on the 30th. Severe night frosts occurred extensively, many minima of 20° and under being registered, 15° at West Linton on the 22nd, 14° at Kilmarnock on the 20th and 22nd, 13° at Eskdalemuir on the 10th, and 10° at Balmoral on the 23rd. As a result the mean temperature was far below the normal, more than 5° at a large number of stations, ranging up to nearly 8° at West Linton.

Aurora was reported at Dublin on the 5th; at Aberdeen and Baltasound on the 8th; Baltasound on the 28th; over Scotland and the north of England and of Wales on the 29th, bright at Fort William, very brilliant at Oban; and over northern Scotland on the 30th.

Fog was fairly frequent in some inland districts, other localities noting unusual freedom. It was reported almost daily on various sections of the east coast, at many places on the western coasts between the 22nd and 27th, but rarely mentioned at south coast stations.

The temperature of the sea water along our coasts showed a decided decrease on the October records, by 8° or more in some neighbourhoods, 10° at the Shipwash and off Pennan, 12° off Margate. Still, the water was much warmer than the air on shore, by 10° at Plymouth, South Rock (Down), Lam-lash and Wick, and by 11° at the Coningbeg light vessel (Wexford).

Rainfall.—Generally over the north and west of Scotland and the north of Ireland there was a small deficiency of rain, hail and snow, the rest of the kingdom returning an excess, which increased southward. Fort William had a deficiency of 5.1 in., while Douglas had an excess of 5.1 in., Guernsey of 5.4 in. to 6 in., and Jersey an excess of 6½ in. Numerous aggregates exceeded 7 in., the largest between 10 in. and 11 in., at Treherbert, Jersey and Guernsey, and at Seathwaite, 13.6 in. There were few totals of less than 2½ in., Armagh and Rounton reporting 2 in. Many stations had more than 25 rain days, Guernsey, Newquay and Foynes 29, and Baltasound 30. A small number of places had less than 15 rain days, Tealby only eight.

Bright Sunshine.—Notwithstanding the disturbed type of weather the duration of bright sunshine was above the normal in nearly all localities. Armagh having 31 hours, and Eastbourne 33 hours more than usual, but in the south-west Newquay had 25 hours, and Scilly 27 hours less than the average. The aggregate totals ranged from 107 hours (41 per cent. of the possible duration) at Bournemouth, 103 hours (39 per cent.) at Totland Bay, and 100 hours (38 per cent.) at Dover, to 26 hours (11 per cent.) at Fort William, 19 hours (8 per cent.) at Manchester, and 15 hours (6 per cent.) at Whitworth Park.

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY - -	48	29.517	-.189	+.000	44.9	37.7	41.3	-3.3	50	13th	32	16, 17, 20	41.4	42.8	41.5	2.1	2.4	2.1	.218	.225	.219	% 84	% 82	% 84
	Deerness - -	163	29.338	-	+.005	42.5	36.3	39.4	-3.0	47	3rd	29	19th	39.6	-	39.1	2.2	-	2.0	.201	-	.202	82	-	84
	SUMBURGH HEAD	126	29.346	-.257	+.000	43.4	34.9	39.2	-3.1	51	6th	30	19th, 27th	38.0	39.8	38.1	1.0	1.1	0.8	.203	.223	.213	91	92	93
	STORNOWAY - -	52	29.532	-.154	+.000	42.6	34.5	38.6	-3.7	48	3rd	28	10th, 11th	38.2	39.9	38.1	1.7	1.5	1.7	.197	.216	.196	86	88	85
	Wick - -	80	29.418	-.260	+.001	43.0	32.3	37.7	-4.0	49	3rd	23	11th, 23rd	38.0	-	38.4	1.6	-	0.9	.197	-	.214	86	-	93
Mainland.	Strathpeffer - -	210	29.341	-	+.006	39.7	31.5	35.6	-4.8	47	1st	21	23rd	35.1	-	34.4	1.2	-	1.2	.181	-	.175	88	-	87
	Glencarron - -	504	29.029	-	+.006	39.5	31.2	35.4	-5.3	44	1, 4, 23rd	24	10th, 21st	34.8	-	34.9	1.3	-	1.6	.176	-	.171	88	-	84
	Fort Augustus -	78	29.508	-	+.006	41.2	30.4	35.8	-6.0	47	13th	21	10, 11, 22	35.2	-	35.5	1.1	-	1.0	.184	-	.189	89	-	91
	Fort William -	38	29.550	-	+.006	40.2	31.6	35.9	-6.3	47	23rd	22	10th	36.1	-	35.6	1.8	-	1.5	.179	-	.181	84	-	86
	Dunrobin Castle	16	29.530	-	+.005	42.7	33.0	37.9	-4.3	49	3rd	26	20th	38.2	-	36.8	1.7	-	1.6	.198	-	.187	85	-	85
District Value -		-	-	-	-	41.4	32.3	36.9	-5.3	51	-	21	-	-	-	-	-	-	-	-	-	.187	85	-	85
1. SCOTLAND, E.																									
	Tillypronie - -	1120	28.321	-	+.006	37.7	28.9	33.3	-5.2	44	1st	22	20th, 23rd	33.4	-	33.0	0.9	-	1.0	.174	-	.167	90	-	88
	Dundee - -	164	29.389	-	+.006	40.8	32.0	36.4	-4.8	48	4th	22	23rd	36.0	-	36.0	1.6	-	1.1	.189	-	.191	88	-	90
	Nairn - -	82	29.444	-.246	+.002	40.4	31.5	36.0	-5.0	47	3rd	22	11th	35.8	39.0	35.8	1.1	1.6	1.0	.191	.207	.193	91	87	92
	Gordon Castle -	107	29.394	-	+.006	41.6	31.7	36.7	-5.3	47	3rd	22	11th	38.4	-	37.2	1.9	-	1.8	.195	-	.187	85	-	84
	Aberdeen - -	90	29.430	-.284	+.006	42.0	34.2	38.1	-3.8	47	13th, 14th	26	23rd	38.1	40.1	37.8	2.0	2.5	2.0	.191	.199	.189	83	80	83
	Balmoral - -	927	-	-	-	41.6	27.6	34.6	-3.6	43	5th	10	23rd	32.3	-	-	1.5	-	-	.155	-	-	83	-	-
	Gleiff - -	436	29.095	-	+.006	41.0	30.6	35.8	-5.2	48	4th, 5th	23	22nd, 23rd	35.4	-	35.3	1.9	-	2.0	.171	-	.168	83	-	81
	Leith - -	37	29.509	-.282	+.002	42.5	33.4	38.0	-5.1	48	4th	24	23rd	36.6	-	38.7	1.9	-	2.7	.182	-	.184	84	-	79
	Marchmont - -	500	29.007	-	+.007	40.4	31.0	35.7	-4.9	45	1st, 4th	23	10th, 20th	35.1	-	35.3	1.5	-	1.4	.175	-	.180	85	-	87
	District Value -		-	-	-	-	41.0	30.8	35.9	-5.5	50	-	10	-	-	-	-	-	-	-	-	-	.180	85	-
2. ENGLAND, N.E.																									
Northern Part.	Seaham - -	138	29.408	-	+.007	42.1	33.4	37.8	-5.3	49	13th	26	20th	37.0	-	36.8	1.3	-	1.2	.197	-	.196	89	-	90
	Whitby - -	145	29.391	-	+.007	44.5	33.4	39.0	-5.2	52	13th	26	23rd	38.5	-	38.7	1.8	-	1.7	.201	-	.202	85	-	86
	Cockle Park (Morpeth)	381	29.202	-	+.007	41.0	31.8	36.4	-	52	1st	25	10th	36.0	-	35.7	1.1	-	1.3	.191	-	.185	88	-	87
	Shields - -	117	29.425	-.303	+.001	43.2	30.7	37.0	-6.1	49	13th, 14th	23	20th, 21st	35.9	-	39.0	0.8	-	1.0	.196	-	.218	93	-	92
	Durham - -	362	29.178	-	+.007	41.6	31.3	36.5	-5.1	51	1st	23	23rd	36.2	-	35.4	1.2	-	0.9	.191	-	.188	88	-	89
	Rounton - -	245	29.294	-	+.007	41.9	30.4	36.2	-5.5	52	1st	22	20th, 23rd	35.1	-	35.1	1.4	-	1.3	.177	-	.179	87	-	88
	Scarborough - M	127	29.412	-	+.008	-	34.8	-	-	-	-	29	20th	40.7	-	38.6	1.9	-	1.9	.215	-	.193	85	-	85
Southern Part.	York - -	53	29.541	-	+.008	43.6	31.8	37.7	-4.9	53	1st	23	23rd	36.1	-	36.6	1.3	-	1.1	.188	-	.196	88	-	91
	Spurn Head - -	28	29.520	-.337	+.001	43.6	35.3	39.5	-4.7	50	14th	30	23rd	38.7	42.7	41.2	1.5	2.5	1.8	.206	.222	.221	88	81	86
	Lincoln - -	42	-	-	-	43.3	31.1	37.2	-4.9	51	12th	23	23rd	36.5	-	-	1.1	-	-	.197	-	-	89	-	-
	Skegness - -	16	29.570	-.314	+.001	44.4	32.0	38.2	-	50	1st, 14th	23	23rd	35.5	-	39.5	0.5	-	1.0	.198	-	.222	95	-	92
District Value -		-	-	-	-	42.8	31.8	37.3	-5.9	53	-	22	-	-	-	-	-	-	-	-	-	.198	85	-	86
3. ENGLAND, E.																									
Northern Part.	Lowestoft - -	76	29.527	-	+.008	45.2	34.4	39.8	-4.5	52	14th	25	23rd	40.5	-	38.5	2.0	-	0.8	.211	-	.217	84	-	93
	Cromer - -	139	29.422	-	+.008	45.4	34.5	40.0	-	54	1st	28	17th	38.5	-	38.9	0.8	-	1.1	.217	-	.216	93	-	92
	Hillington - -	92	29.500	-	+.008	43.0	31.0	37.0	-5.3	51	14th	24	23rd	35.8	-	36.9	1.1	-	1.1	.188	-	.197	90	-	90
	Norwich - -	98	-	-	-	44.0	33.0	38.5	-	51	14th	25	23rd	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH - -	27	29.556	-.325	+.000	45.3	34.1	39.7	-4.0	52	14th	25	24th	37.9	42.6	39.6	1.3	3.1	1.5	.203	.210	.208	89	78	85
	Geldeston - -	47	-	-	+.008	46.0	33.2	39.6	-3.9	58	15th	25	23rd	-	-	-	-	-	-	-	-	-	-	-	-
	Cambridge - -	43	29.565	-	+.009	45.0	31.4	38.2	-4.4	53	1st, 14th	19	23rd	37.1	-	36.9	1.5	-	1.1	.195	-	.201	87	-	91
Southern Part.	CLACTON - -	62	29.554	-.293	+.000	45.3	33.9	39.6	-4.6	52	1st, 15th	27	23rd, 24th	37.3	43.4	39.3	1.0	2.4	1.1	.203	.236	.219	92	83	92
	Woburn - -	294	29.337	-	+.009	44.0	31.1	37.6	-	54	1st	18	23rd	36.6	-	36.5	1.4	-	1.2	.191	-	.196	87	-	89
	Bennington - -	411	29.232	-	+.009	44.8	31.9	38.4	-4.0	55	1st	24	23rd	36.9	-	36.8	1.4	-	1.2	.192	-	.195	88	-	89
	Berkhamsted - -	397	29.216	-	+.009	44.7	30.3	37.5	-4.9	55	1st	21	17th	35.6	-	36.1	1.2	-	1.1	.185	-	.191	89	-	90
	District Value -		-	-	-	-	44.9	32.9	38.9	-4.5	60	-	18	-	-	-	-	-	-	-	-	-	-	-	-
4. MIDLAND COS.																									
	Garforth - -	198	-	-	+.008	42.7	29.6	36.2	-	51	13th	19	23rd	36.4	-	35.8	1.3	-	1.1	.193	-	.191	89	-	90
	Huddersfield - -	411	29.155	-	+.008	41.8	32.4	37.1	-	52	1st	22	23rd	35.9	39.6	36.3	1.3	2.2	1.3	.186	.202	.189	86	83	87
	Wakefield - -	100	29.500	-	+.008	43.2	32.6	37.9	-5.0	54	1st	23	23rd	37.7	-	38.1	1.7	-	1.7	.193	-	.196	85	-	85
	Belvoir Castle -	276	29.324	-	+.008	42.7	31.6	37.2	-5.3	52	1st	20	23rd	35.7	-	36.2	1.2	-	1.1	.188	-	.193	89	-	90
	Coventry - -	309	29.294	-	-	42.7	31.9	37.3	-5.6	51	13th	22	23rd	35.9	-	-	1.1	-	-	.192	-	-	91	-	-
	NOTTINGHAM - -	85	29.519	-.302	+.000	43.3	30.8	37.1	-5.4	51	12, 13, 14	22	23rd	34.7	41.7	37.5	0.9	2.3	1.2	.184	.217	.201	92	83	90
	Birmingham -	542	29.039	-	+.009	42.7	33.2	38.0	-4.7	54	1st	26	22nd	35.6	-	37.3	1.3	-	1.6	.186	-	.195	88	-	87
	Oxford - -	212	29.427	-.277	-	44.6	31.4	38.0	-5.2	52	1st, 13th	21	23rd	35.4	-	37.7	1.1	-	-	.186	-	.193	86	-	-
	Bath - -	84	29.553	-.269	+.002	46.7	31.5	39.1																	

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of NOVEMBER, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.											STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
—	—	75	—	—	—	7.6	7.5	6.2	6.34	—	—	0.87	6th	21	5	6	0	0	12	0	—	2	37	0	24	14	12	11	2	0	7	20	Castlebay (Isd.)
—	—	47	+ 9	21	+ 4	6.9	—	6.4	4.78	+0.82	0.76	16 h	23	1	5	0	0	10	0	—	5	43	6	15	7	4	10	0	0	4	14	Deerness.	
—	—	—	—	—	—	8.3	7.6	7.9	6.31	+2.35	1.05	14th	24	8	0	0	0	16	0	—	7	43	1	34	13	7	9	3	1	4	18	Sumburgh Head.	
—	—	61	+19	27	+ 9	7.2	6.9	6.4	5.98	+0.57	0.75	16th	27	5	11	2	0	10	0	—	1	48	4	27	11	5	12	5	0	3	23	Stornoway.	
—	—	—	—	—	—	7.5	—	8.5	6.77	+3.93	0.75	6th	26	3	3	0	0	17	0	—	5	24	0	22	5	11	0	9	0	5	8	Wick.	
—	—	53	+10	23	+ 5	7.3	—	6.0	4.77	+1.76	0.82	16th	21	7	0	0	3	12	0	—	1	15	25	11	5	1	0	0	3	5	10	Strathpeffer.	
—	—	—	—	—	—	7.8	—	6.7	6.70	-2.35	0.80	16th	22	13	1	1	4	17	0	—	0	27	0	28	0	14	0	3	0	15	0	Glencarron.	
—	—	26	+ 5	11	+ 2	7.9	—	5.7	4.07	-0.19	0.63	14th	22	4	0	0	2	12	1	—	2	11	5	5	9	0	3	11	15	8	4	Fort Augustus.	
—	—	—	—	—	—	6.5	—	5.4	3.13	-5.09	0.44	6th	17	5	0	0	4	11	2	—	0	4	19	0	11	12	3	2	8	4	1	Fort William	
41.1	—	—	—	—	—	6.9	—	6.0	6.51	+3.31	1.62	6th	24	7	0	0	3	10	0	—	1	6	4	3	12	11	3	1	2	7	17	Dunrobin Castle.	
—	—	47	+11	20	+ 4	7.4	7.3	6.8	5.38	-0.14	1.02	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	7.2	—	5.5	5.42	+2.33	0.73	17th	25	12	0	0	1	9	3	27	2	35	0	16	3	0	9	0	2	14	16	Tillypronie.	
—	—	—	—	—	—	7.5	—	7.8	2.62	-0.14	0.64	13th	12	0	0	0	1	11	7	—	1	4	0	2	6	1	6	2	10	14	19	Dundee.	
—	—	48	—	21	—	7.6	6.9	7.6	4.12	+1.91	0.88	14th	27	5	2	0	1	10	0	—	0	8	26	4	3	6	2	0	5	32	12	Nairn.	
—	—	43	—	18	—	8.1	—	7.3	6.18	+3.26	0.80	27th	27	5	0	0	0	15	1	—	0	12	0	2	5	0	10	6	14	3	20	Gordon Castle.	
—	45.0	78	+23	33	+10	6.6	5.4	6.1	5.54	+2.32	0.65	6th	25	8	5	0	4	9	1	—	0	29	8	7	1	3	4	6	5	22	34	Aberdeen.	
—	—	—	—	—	—	6.7	—	—	4.85	+0.99	0.80	7th	18	7	0	0	5	9	1	24	2	16	0	8	2	0	2	2	10	22	14	Balmoral.	
—	—	—	—	—	—	5.8	—	5.6	3.84	-0.56	1.06	6th	12	3	0	0	6	10	2	—	1	11	0	24	5	11	1	0	0	9	10	10	Crieff.
—	—	—	—	—	—	5.9	—	7.0	2.54	+0.37	0.79	12th, 13th	11	1	0	0	1	7	7	—	0	8	3	2	1	3	8	2	7	22	12	Leith.	
37.1	—	56	+ 5	23	+ 2	4.6	—	6.0	3.52	+0.05	0.85	12th	19	5	0	0	5	9	3	17	0	8	0	7	3	3	1	7	17	16	6	Marchmont.	
—	—	69	+19	29	+ 8	6.7	—	6.6	4.20	+1.18	1.08	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	5.7	—	5.4	2.54	-0.13	0.42	13th	22	3	2	1	6	8	0	—	0	22	0	2	2	1	5	8	8	28	6	Seaham.	
—	—	78	—	31	—	7.0	—	8.2	3.06	+0.38	0.40	27th	21	1	0	0	2	14	1	—	0	3	0	9	3	5	11	2	7	0	23	Whitby.	
36.4	43.1	86	—	35	—	5.9	—	5.1	3.40	+0.38	0.61	12th	20	8	0	1	2	6	0	24	4	23	1	9	3	0	7	6	6	4	24	Cockle P'k (Mor-)	
—	—	—	—	—	—	6.8	—	7.9	2.98	+0.54	0.52	18th	23	2	0	0	0	13	3	—	0	12	2	1	2	0	4	10	6	18	17	Shields. (peth.)	
—	—	93	+40	38	+16	5.6	—	5.6	2.98	+0.18	0.76	13th	19	7	0	0	10	11	0	18	0	12	7	4	1	1	3	8	5	21	10	Durham.	
38.9	—	—	—	—	—	6.0	—	5.2	1.95	-0.50	0.36	6th	17	3	0	0	7	10	3	26	1	12	1	4	3	1	4	16	12	2	17	Rounton.	
—	47.7	90	—	36	—	7.0	—	8.6	3.52	+0.65	0.62	27th	19	1	0	0	1	18	4	?	2	39	0	4	5	0	3	0	11	1	36	Scarborough.	
42.8	48.3	80	+41	32	+16	4.9	—	4.9	2.43	+0.17	0.73	10th	16	3	0	0	7	5	3	—	0	3	2	10	0	2	2	15	1	19	9	York.	
—	—	—	—	—	—	6.6	6.9	7.0	2.58	+0.62	0.60	27th	15	1	1	0	0	8	2	—	4	73	0	5	2	1	9	13	15	27	18	Spurn Head.	
40.5	47.7	—	—	—	—	3.8	—	5.3	3.10	+1.08	0.95	27th	18	4	0	0	11	9	3	—	0	4	2	1	0	2	2	4	7	36	6	Lincoln.	
—	—	101	—	40	—	4.9	—	4.7	2.87	—	0.81	27th	17	1	0	0	9	10	2	—	0	9	0	8	1	1	5	6	10	10	10	Skegness.	
39.9	48.1	67	—	27	—	5.3	—	4.9	3.01	+0.67	0.90	27th	18	8	0	0	10	9	5	21	0	0	7	5	6	0	3	3	9	10	17	Hull.	
39.8	47.2	88	+33	35	+13	5.8	—	6.1	3.03	+0.63	0.97	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
42.0	48.0	100	—	39	—	5.7	—	4.9	4.20	+1.65	0.84	3rd	17	4	2	1	5	6	3	15	0	39	0	2	4	1	4	6	7	23	13	Lowestoft.	
—	—	77	—	30	—	7.2	—	7.2	3.88	—	0.80	27th	26	0	0	0	1	13	1	—	0	35	0	6	2	2	6	11	7	17	9	Cromer.	
—	—	81	+26	32	+10	5.0	—	5.5	3.91	+1.24	0.82	27th	18	4	1	1	8	8	6	27	1	4	17	2	3	3	0	9	8	15	Hillington.		
—	—	—	—	—	—	—	—	—	4.33	—	0.78	27th	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Norwich.
40.2	48.6	91	—	36	—	6.5	6.9	5.6	4.12	+1.42	0.65	27th	17	1	1	0	0	6	5	—	0	22	0	2	3	4	7	8	14	42	10	Yarmouth.	
—	—	89	+26	35	+10	—	—	—	3.69	+1.15	0.53	27th	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Geldeston.
40.9	48.4	87	+27	34	+11	6.8	—	5.2	2.30	+0.24	0.70	27th	14	4	2	0	5	9	5	20	0	12	8	4	1	2	7	12	6	18	2	Cambridge.	
44.1	50.5	88	—	34	—	6.7	6.6	6.3	2.52	—	0.53	13th	19	0	1	1	0	8	3	18	0	35	0	4	4	3	8	14	5	22	30	Clacton.	
—	—	—	—	—	—	7.9																											

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.												
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.			
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.	
		Ft.	Ins.	Ins.		°	°	°	°	°		°	°	°	°	°	°	In.	In.	In.	%	%	%			
5. ENGLAND, S.E.—cont.	Eastbourne	36	29.619	—	—	.009	47.3	35.5	41.4	-3.5	56	1st	28	23rd	42.0	—	40.5	2.3	—	1.7	.224	—	.220	83	—	86
	Dungeness	21	29.583	-.311	+.011	47.5	32.6	40.1	-5.3	55	1st	25	21st	38.4	45.2	42.3	1.1	1.9	1.3	.210	.258	.242	91	86	90	
	Hastings	174	29.471	—	—	.009	47.0	35.4	41.2	-4.1	56	1st	28	18th	40.1	—	40.1	1.9	—	1.4	.210	—	.219	85	—	89
	Southampton	84	29.583	—	—	.009	47.6	34.6	41.1	-3.8	56	1st	28	21st	40.1	—	40.0	1.9	—	1.6	.213	—	.219	85	—	87
	Ventnor	80	29.568	—	—	—	48.9	38.3	43.6	-3.8	55	4th	32	21st	43.5	—	—	2.8	—	—	.223	—	—	78	—	—
District Value						46.2	33.1	39.7	-5.4	56																
LONDON	Tottenham	55	29.581	—	—	.009	45.4	34.1	39.8	-3.8	60	1st	23	23rd	38.4	—	38.9	1.4	—	1.2	.207	—	.208	87	—	88
	Hampstead	453	29.160	—	—	—	44.1	32.6	38.4	—	54	1st	27	22nd	36.9	—	37.2	1.0	—	0.8	.202	—	.208	90	—	92
	Camden Square	123	29.515	—	—	.009	45.4	32.3	38.9	-5.0	53	1st	24	17th	37.6	—	39.3	0.9	—	1.4	.208	—	.213	91	—	88
	Westminster	54	29.586	-.289	+.001	46.0	32.5	39.3	-4.5	54	1st	25	18, 22, 23	36.5	—	41.4	0.9	—	2.1	.198	—	.218	92	—	84	
	Greenwich	159	29.476	—	—	.009	45.4	32.4	38.9	-4.5	55	1st	22	23rd	37.4	—	38.1	1.6	—	1.5	.193	—	.200	87	—	87
	Norwood	235	29.394	—	—	.009	45.0	32.9	39.0	-4.5	54	1st	23	23rd	38.2	—	38.1	1.6	—	1.3	.199	—	.204	86	—	89
	Kew	34	29.623	-.288	+.009	45.3	33.1	39.2	-4.3	56	1st	24	23rd	37.3	43.3	38.7	1.9	3.7	1.9	.186	.205	.198	84	73	85	
	Bunhill Row	—	29.612	-.291	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Eskailemuir	778	28.739	—	—	—	39.3	26.5	32.9	—	45	4th	13	10th	35.3	35.4	32.5	1.5	1.6	0.9	.179	.177	.168	86	85	90
6. SCOT- LAND, W.	Poitalloch	135	29.466	—	—	.006	42.5	31.1	36.8	-0.1	49	26th	20	21st	37.1	—	37.2	2.1	—	1.9	.181	—	.185	82	—	83
	Glasgow	184	29.375	—	—	.006	40.9	32.7	36.8	-5.5	48	1st	22	22nd	35.8	—	36.4	1.6	—	1.6	.183	—	.185	86	—	85
	Rothsay	76	29.512	—	—	.006	42.9	33.7	38.3	-5.0	50	4th	26	21st	37.8	—	36.6	1.8	—	1.4	.192	—	.190	85	—	88
	Colmonell	150	29.434	—	—	—	44.9	32.3	38.6	-4.5	52	4th, 21st	20	21st	37.1	41.7	—	2.1	2.8	—	.181	.208	—	82	79	—
	Dumfries	155	29.435	—	—	.007	41.9	30.2	36.1	-6.3	43	1st	20	10th	34.1	—	35.7	1.1	—	1.5	.175	—	.182	88	—	86
ISLE OF MAN	Cally, Gatehouse	120	—	—	—	43.8	30.0	36.9	-5.4	49	4th, 5th	20	10th	36.0	—	34.8	1.1	—	1.1	.191	—	.180	90	—	90	
	Douglas	284	29.295	—	—	.008	45.6	36.3	41.0	-3.7	53	1st	30	21st	40.4	—	40.2	1.7	—	1.7	.219	—	.217	86	—	86
District Value						43.0	31.8	37.4	-6.4	53																
7. ENG- LAND, N.W.	Southport	42	29.569	—	—	.008	43.4	34.3	38.9	-4.4	54	1st	22	22nd	38.4	41.5	39.0	1.5	2.4	1.7	.202	.213	.205	83	82	86
	Manchester (City)	195	29.404	—	—	.008	42.3	34.3	38.4	—	53	1st	26	22nd	37.8	—	38.8	1.2	—	1.3	.205	—	.212	85	—	89
	„ (Whitworth Pk)	127	29.448	—	—	.008	42.6	33.7	38.2	—	53	1st	24	22nd	36.8	40.4	37.8	0.5	—	0.4	.210	—	.216	95	83	96
	Darwen	730	28.817	—	—	.008	40.6	31.0	35.8	—	49	13th	27	20, 21, 22	36.2	—	35.9	1.1	—	1.1	.193	—	.190	90	—	89
	Aspatria	254	29.310	—	—	.007	42.8	31.2	37.0	-5.2	52	1st	23	22nd	36.0	—	36.0	1.3	—	1.0	.188	—	.193	88	—	91
	Newton Rigg	559	28.962	—	—	.007	40.9	29.6	34.8	-6.0	53	1st	16	20th, 22nd	32.7	—	34.3	0.6	—	0.6	.174	—	.186	93	—	94
	Stonyhurst	363	29.211	—	—	.008	42.0	32.6	37.3	-5.2	52	1st	24	22nd	36.6	—	37.6	2.2	—	2.2	.174	—	.184	78	—	81
	Blackpool	73	29.522	—	—	.008	43.9	33.4	38.7	-4.9	54	1st	23	22nd	39.6	—	38.6	1.6	—	1.1	.211	—	.213	87	—	92
	M'nc'h't'r (Prestwich)	320	29.255	—	—	.008	42.1	31.4	36.8	-5.8	53	1st	20	22nd	35.7	—	37.0	0.7	—	1.0	.196	—	.200	94	—	91
	Liverp'l, Bidston Obs.	197	29.392	—	—	.008	44.0	36.3	40.2	-3.9	56	1st	27	22nd	39.0	—	39.9	1.9	—	2.0	.201	—	.207	85	—	84
NORTH WALES	Llandudno	82	29.602	—	—	.008	46.7	38.2	42.5	-3.3	54	13th	31	21st	42.2	—	42.3	2.0	—	1.8	.227	—	.232	85	—	87
	HOLYHEAD	48	29.549	-.281	—	.000	47.0	39.9	43.5	-3.0	53	12th, 13th	34	22nd, 23rd	43.5	45.9	44.1	1.9	2.4	1.8	.242	.256	.249	85	84	85
	Bettws-y-Coed	100	29.439	—	—	.008	44.2	33.8	39.0	-6.6	56	1st	26	21st, 22nd	38.3	—	38.2	0.9	—	1.0	.213	—	.210	93	—	92
	Llaneugrad	310	29.290	—	—	.008	46.0	36.9	41.5	—	54	4th	33	22nd	41.2	—	40.8	1.3	—	1.7	.233	—	.226	89	—	88
	District Value						43.8	34.1	39.0	-5.3	56															
8. SOUTH WALES	Llangamarch Wells	585	29.003	—	—	—	43.7	29.3	36.5	-5.5	51	12th	18	21st	35.9	—	—	0.5	—	—	.201	—	—	96	—	—
	PEMBROKE	150	29.465	-.273	+.000	48.9	40.2	44.6	-2.7	56	6th	34	17th	44.5	46.7	44.3	1.9	2.6	2.3	.251	.259	.241	86	82	82	
	Clifton	229	—	—	—	—	45.7	35.0	40.4	-4.1	53	13th	27	17th	—	—	—	—	—	—	—	—	—	—	—	
	PORTLAND BILL	23	29.606	-.302	+.000	50.0	40.2	45.1	-1.8	57	1st	35	17, 21, 26	45.5	43.0	45.5	2.0	2.5	1.6	.259	.274	.268	86	83	88	
	Plymouth	116	29.555	—	—	.010	50.2	39.4	44.8	-1.8	57	1st	30	10th	44.9	47.6	44.3	1.9	2.7	1.8	.259	.273	.256	86	82	87
ENG- LAND, S.W.	Falmouth	183	29.516	-.223	—	.009	49.6	41.8	45.7	-2.0	56	1st	36	17th	45.9	48.0	45.0	2.1	2.9	2.3	.263	.265	.247	86	80	83
	Woolacombe	100	29.558	—	—	.009	49.8	40.8	45.3	-3.2	56	1st	34	21st	45.5	—	44.2	2.4	—	2.4	.250	—	.238	82	—	82
	Whitchurch	595	29.033	—	—	.010	47.1	36.0	41.6	—	54	1st	29	10th	42.1	—	40.1	1.4								

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of NOVEMBER, 1910.

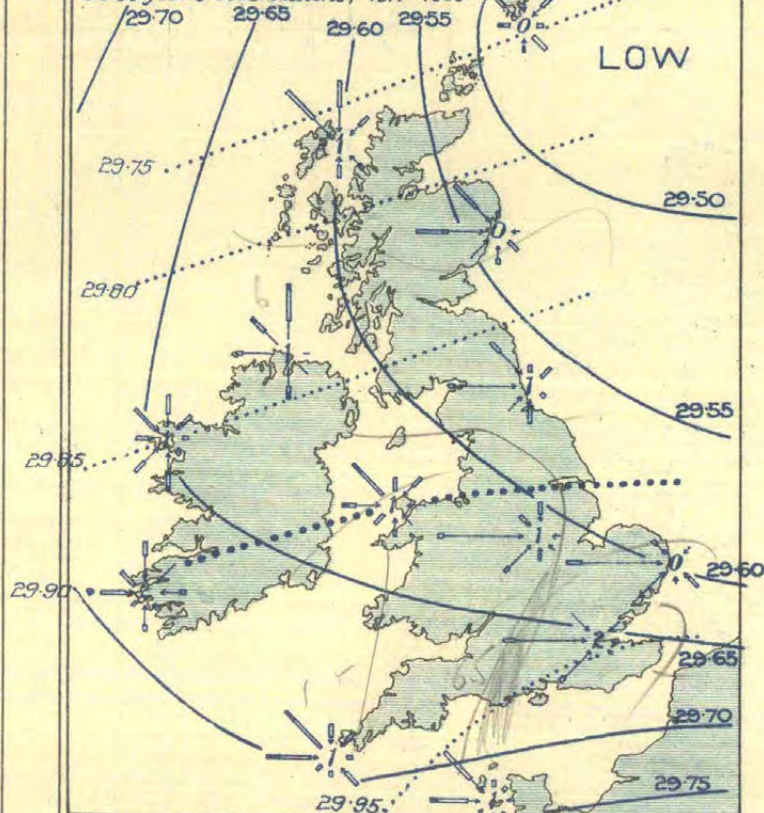
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND										STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																							
45.3	51.6	99	+ 33	38	+13	5.4	—	5.3	6.27	+2.72	0.86	13th	19	2	1	0	7	7	1	—	1	8	0	10	13	0	2	2	11	4	18	Eastbourne.		
—	—	—	—	—	—	7.9	8.1	7.8	6.96	+4.31	0.95	6th	16	1	1	0	0	13	1	—	7	41	0	7	7	4	7	4	12	26	23	Dungeness.		
43.1	50.6	95	+ 24	36	+ 9	5.2	—	3.7	4.86	+1.53	0.94	6th	19	1	1	2	10	6	1	17	5	27	1	5	6	1	6	3	3	14	21	Hastings.		
—	—	87	+ 24	33	+ 9	5.3	—	3.6	3.78	+0.58	0.69	23rd	18	2	0	0	9	5	3	19	0	15	0	1	10	0	5	1	13	1	29	Southampton.		
—	—	96	+ 28	36	+10	6.5	—	—	4.78	+1.37	1.18	30th	23	1	0	0	4	11	0	—	2	15	3	12	4	2	4	5	7	10	13	Ventnor.		
42.7	49.6	84	+ 23	32	+ 9	6.1	—	5.1	4.17	+1.23	1.22	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
—	50.7	72	—	28	—	8.4	—	6.3	3.08	—	0.62	30th	12	2	0	0	1	13	8	20	0	2	4	4	4	2	5	1	12	10	18	Tottenham.		
—	—	77	—	30	—	6.1	—	4.7	3.16	—	0.68	30th	18	3	0	1	7	9	8	22	0	4	14	4	6	6	1	4	8	10	7	Hampstead.		
40.6	49.4	47	—	18	—	7.5	—	—	3.19	+0.83	0.76	30th	16	0	0	0	4	18	5	23	—	—	10	0	1	2	0	3	5	3	6	Camden Square.		
—	—	36	+ 9	14	+ 4	5.2	—	5.7	2.87	+0.52	0.63	30th	19	3	1	0	5	9	2	22	1	13	12	2	3	4	1	2	9	19	8	Westminster.		
—	48.2	50	+ 2	19	+ 1	6.0	—	5.1	3.57	+1.35	0.74	27th	17	1	1	0	7	10	12	19	0	10	4	7	3	2	5	3	14	16	6	Greenwich.		
42.0	—	—	—	—	—	6.1	—	5.3	3.21	+0.81	0.71	30th	16	1	0	0	7	11	8	24	1	11	20	8	3	2	3	4	9	8	3	Norwood.		
41.1	49.1	73	+ 23	28	+ 9	6.6	6.1	5.0	2.83	+0.62	0.58	30th	19	0	0	0	3	8	7	20	0	21	20	4	8	5	5	5	13	19	11	Kew.		
—	—	29	+ 7	11	+ 3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.		
—	—	29	—	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	88	—	36	—	6.7	7.1	4.7	4.12	—	1.21	12th	16	8	0	2	4	11	1	—	0	29	32	22	3	1	4	2	4	7	15	Eskdalemuir.		
—	—	—	—	—	—	7.1	—	5.4	5.11	+0.31	0.94	6th	21	3	3	0	6	13	0	—	0	16	12	12	7	0	10	5	3	6	5	Poltalloch.		
—	—	36	+ 10	15	+ 4	7.4	—	6.1	3.09	+0.61	0.90	12th	13	3	2	0	4	13	6	17	0	22	4	6	5	1	0	5	12	5	—	Glasgow.		
—	46.2	—	—	—	—	5.6	—	3.9	4.10	+0.85	0.78	12th	19	3	1	1	9	8	7	—	1	12	13	11	1	14	5	1	0	5	10	—	Rothsay.	
—	—	—	—	—	—	6.7	—	4.21	+0.71	0.60	—	2nd	21	3	5	1	6	17	0	14	2	22	4	22	2	4	4	4	2	12	6	—	Colmonell.	
38.9	45.9	64	—	26	—	7.1	—	6.1	4.67	+0.63	1.10	12th	15	6	0	0	5	14	11	22	1	6	17	6	11	0	0	0	2	1	23	—	Dunfries.	
—	—	—	—	—	—	—	—	—	6.24	+0.93	1.27	12th	15	5	1	0	—	—	2	—	0	2	0	20	12	5	16	0	0	0	0	7	—	Cally.
—	—	76	+ 15	31	+ 7	6.8	—	5.3	9.93	+5.13	1.70	12th	23	12	12	1	3	11	5	10	1	14	2	13	4	6	5	2	2	14	12	—	Douglas.	
—	—	56	+ 9	23	+ 4	6.8	—	5.3	5.08	+0.28	1.70	—	18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
39.7	45.9	70	+ 23	28	+ 9	7.7	6.7	6.7	4.82	+1.58	1.01	10th	22	1	9	0	1	11	2	17	2	52	2	17	5	4	21	6	7	6	22	—	Southport.	
39.7	48.4	19	—	8	—	7.4	—	5.4	4.46	+1.38	0.60	2nd	23	7	3	0	0	10	7	11	0	2	0	5	4	8	10	9	9	9	6	—	Manchester (City).	
—	—	15	—	6	—	8.9	8.6	6.6	4.02	—	0.58	13th	19	7	5	1	0	15	9	?	0	5	33	6	2	6	5	13	4	10	11	—	" (Whit. Pk).	
38.9	45.9	58	—	23	—	8.0	—	7.7	6.96	—	1.40	10th	23	10	3	3	0	16	1	15	1	23	0	3	1	0	4	16	5	12	19	—	Darwen.	
39.6	47.0	77	—	31	—	5.6	—	4.2	3.69	+0.42	0.95	12th	16	3	2	0	8	6	0	19	0	4	14	12	2	2	6	5	4	12	3	—	Aspatia.	
42.5	46.4	63	+ 14	26	+ 6	5.7	—	3.8	3.43	+0.27	0.98	6th	20	5	2	0	7	6	2	27	1	14	4	3	2	7	15	3	7	15	4	—	Newton Rigg.	
—	—	61	+ 16	24	+ 6	6.5	—	5.9	5.48	+1.10	0.87	10th	22	7	7	1	5	10	1	18	0	6	31	2	2	2	2	4	2	9	6	—	Stonyhurst.	
43.0	49.5	76	+ 29	30	+11	8.1	—	6.8	5.16	+1.68	0.89	10th	22	2	8	3	1	13	0	15	0	24	0	6	8	6	15	3	3	7	12	—	Blackpool.	
—	—	31	+ 1	12	0	9.3	—	6.2	5.09	+1.73	0.70	10th	21	9	1	0	17	4	18	0	9	14	11	0	4	3	8	5	12	3	—	Manch'st r (Frest).		
—	—	76	—	30	—	6.0	—	6.5	4.19	+1.54	0.50	23rd	26	3	9	2	4	7	4	—	1	15	0	10	1	4	11	3	10	9	12	—	Liverpool, Bid.Obs.	
—	—	66	+ 11	26	+ 4	7.3	—	8.6	5.27	+1.92	0.57	28th	27	0	8	2	2	20	0	—	0	3	0	6	3	5	1	9	5	19	12	—	Llandudno.	
—	—	—	—	—	—	7.5	7.7	7.1	6.74	+2.00	1.07	13th	26	1	6	0	0	9	1	—	6	26	3	4	7	11	6	8	11	15	25	—	Holyhead.	
41.1	47.3	52	—	20	—	6.0	—	6.0	7.30	—	0.82	10th	28	4	9	1	2	7	0	10	3	9	1	10	4	0	1	2	13	9	20	—	Bettws-y-Coed.	
41.8	46.4	74	—	29	—	6.6	—	5.6	6.84	—	0.90	12th	26	1	7	2	3	8	1	13	4	32	0	12	6	4	2	9	4	16	7	—	Llaneugrad.	
40.8	47.1	69	+ 20	28	+ 8	7.2	7.7	6.2	4.93	+1.34	1.86	—	23	—	—	—	—	—	—															

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, NOVEMBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.				
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	
			A.	B.			Max.	Day.	Min.	Day.							Ins.	Ins.						
																								Max.
0. SCOTLAND, N.	p Baltasound	S	31	41.3	35.5	38.4	—	47	3rd	29	12th	39.6	—	—	6.85	—	0.96	14th	30	31	—	15	—	
	p Crathes	S	140	42.1	31.1	36.6	—	47	5, 23, 26	19	23rd	39.5	44.9	15	5.18	—	0.98	6th	23	72	—	31	—	
	p Stonehaven	—	86	43.7	32.8	38.3	—	49	5th	25	20th, 23rd	—	—	—	4.28	—	0.49	13th	23	90	—	38	—	
1. SCOTLAND, E.	p Balruddery	S	276	42.4	30.9	36.7	—	50	5th	23	23rd	—	—	—	2.54	—	0.58	13th	12	89	—	37	—	
	Edinburgh	—	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a West Linton	S	800	38.4	26.6	32.5	- 7.8	44	3rd, 13th	15	22nd	—	—	26	3.04	—	0.85	12th	21	66	—	28	—	
2. ENGLAND, N.E.	a Alnwick Castle	—	210	42.3	32.3	37.3	- 5.0	49	3rd	24	23rd, 24th	—	—	—	4.87	+ 1.35	0.97	18th	25	—	—	—	—	
	p Newcastle-on-Tyne	—	152	41.6	33.3	37.5	—	51	1st	25	20th	—	—	—	2.96	+ 0.29	0.47	12th	20	55	+ 21	22	+ 6	
	p Ampleforth	—	349	42.0	31.5	36.8	—	51	1st	23	20th	—	—	—	3.33	—	0.75	10th	14	—	—	—	—	
3. ENGLAND, E.	p Tealby	—	251	43.4	31.3	37.4	- 4.8	53	13th	25	10th, 23rd	—	—	—	2.92	+ 0.54	0.92	27th	8	—	—	—	—	
	a Fulbeck	—	180	43.0	31.5	37.3	- 4.7	50	12th	24	23rd	—	—	—	2.89	+ 0.85	0.94	27th	17	—	—	—	—	
	a Rauceby	—	124	43.5	31.6	37.6	—	51	14th	22	23rd	40.5	48.7	21	3.01	+ 0.72	0.95	27th	20	79	—	31	—	
4. MIDLAND COUNTIES	a Felixstowe	—	10	45.2	34.6	39.9	- 4.5	53	1st	27	23rd	—	—	—	3.16	—	0.61	27th	17	99	—	38	—	
	a Rothamsted	—	424	44.3	30.6	37.5	- 4.8	52	14th	21	17th, 23rd	—	—	—	3.56	+ 0.80	0.90	27th	24	86	+ 26	33	+ 10	
	a Shoburyness	—	13	45.5	34.0	39.8	- 4.7	52	1st, 27th	25	23rd	—	—	—	2.35	+ 0.22	0.66	30th	16	—	—	—	—	
5. ENGLAND, S.E.	a Southend-on-Sea	—	90	44.8	34.2	39.5	—	53	15th	25	23rd	41.4	—	15	2.64	+ 0.53	0.97	30th	13	82	—	32	—	
	a Harrogate	—	476	41.2	31.9	36.6	- 5.1	51	1st, 13th	27	10, 20, 23	41.1	44.6	22	3.69	+ 1.00	0.82	10th	16	86	—	34	—	
	a Bradford	—	489	41.8	31.4	36.6	—	51	13th	24	22nd	39.0	49.3	17	4.47	—	1.32	10th	17	66	—	26	—	
6. SCOTLAND, W.	a Cheadle	—	646	41.4	31.3	36.4	- 5.1	49	14th	25	17th	—	—	25	6.59	+ 3.64	0.94	2nd, 23rd	21	—	—	—	—	
	a Bawtry	—	65	42.7	31.7	37.2	- 5.1	52	12th, 13th	20	23rd	—	—	—	2.92	+ 0.89	0.94	27th	15	—	—	—	—	
	a Worksop	—	56	44.1	30.9	37.5	- 4.9	52	13th	23	23rd	39.6	45.9	25	3.00	+ 0.97	0.97	27th	16	65	+ 19	26	+ 8	
7. ENGLAND, N.W.	a Mayfield (Staffs.)	—	574	41.5	29.9	35.7	—	50	14th	20	23rd	—	—	19	7.41	—	1.09	23rd	21	—	—	—	—	
	a Belper	—	222	42.9	29.6	36.3	—	51	14th	20	23rd	—	—	19	5.77	—	1.04	27th	21	—	—	—	—	
	a Kingston-on-Soar	—	125	42.8	29.4	36.1	—	52	14th	18	22nd	42.6	—	—	3.63	—	0.87	27th	19	—	—	—	—	
8. ENGLAND, S.W.	p Rugby	—	379	45.0	30.1	37.6	- 4.4	53	8th	20	23rd	—	—	?	3.47	—	0.70	27th	16	—	—	—	—	
	a Raunds	—	210	44.0	30.2	37.2	- 5.4	52	14th	19	23rd	41.6	—	23	3.08	—	0.76	27th	14	—	—	—	—	
	a Winslow	—	379	43.0	30.2	36.6	—	49	13th	21	22nd	—	—	19	3.63	—	1.02	27th	17	—	—	—	—	
9. ENGLAND, S.W.	a Hereford	—	291	45.0	31.4	38.2	- 4.9	53	14th	23	22nd	—	—	20	3.83	+ 1.28	0.88	23rd	18	—	—	—	—	
	a Cirencester	—	446	44.4	29.7	37.1	- 4.8	56	1st	19	17th	42.2	47.8	19	3.93	+ 0.96	0.95	27th	19	80	+ 23	31	+ 9	
	a Epsom	—	160	44.8	30.5	37.7	—	52	14th	20	23rd	—	—	23	3.21	—	0.70	30th	18	—	—	—	—	
10. ENGLAND, S.W.	a Wokingham	—	216	45.2	28.5	36.9	—	53	14th	18	22nd	—	—	—	3.09	—	0.72	30th	14	—	—	—	—	
	a Maidenhead	—	101	45.6	29.4	37.5	—	53	1st	19	17th	—	—	25	2.84	+ 0.38	0.64	27th	13	—	—	—	—	
	a Marlborough	—	424	44.8	28.7	36.8	- 5.3	52	27th	18	17th	—	—	22	1.45	+ 1.14	1.00	27th	18	75	+ 24	29	+ 9	
11. ENGLAND, S.W.	a Bucklebury	—	409	44.0	31.0	37.5	—	51	27th	20?	18th	—	—	22	3.58	—	0.91	27th	14	—	—	—	—	
	a Swaraton	—	310	45.0	29.6	37.3	- 5.2	52	27th	21	21st	—	—	—	3.74	+ 0.54	0.80	30th	16	—	—	—	—	
	a Margate	—	25	46.4	35.6	41.0	- 4.2	53	7, 13, 27	27	23rd	44.0	49.1	6	3.30	+ 0.71	0.45	14th	16	77	+ 16	30	+ 7	
12. ENGLAND, S.W.	Broadstairs	—	140	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Wisley	—	150	45.4	31.8	38.6	- 5.8	53	27th	20	23rd	40.7	48.3	21	2.67	—	0.54	30th	15	77	—	30	—	
13. ENGLAND, S.W.	a Basingstoke	—	280	44.5	31.0	37.8	—	52	27th	22	22nd, 23rd	42.5	49.7	21	3.39	—	0.69	23rd	18	—	—	—	—	
	a Dover	—	231	45.6	33.7	39.7	—	52	5, 13, 27	27	17th	44.1	51.2	?	5.62	—	0.90	6th	15	100	—	38	—	
	a Tunbridge Wells	—	421	44.2	31.4	37.8	- 5.1	52	27th	23	22nd	42.1	—	21	4.34	+ 1.01	1.10	13th	17	81	+ 13	31	+ 5	
14. ENGLAND, S.W.	a Matfield	—	320	44.9	31.6	38.3	—	53	27th	20	23rd	—	—	20	3.96	—	1.09	13th	16	—	—	—	—	
	p Folkestone	—	121	46.7	35.2	41.0	—	55	1st	30	18th	—	49.7	—	6.39	+ 3.15	1.12	17th	20	95	—	36	—	
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15. ENGLAND, S.W.	a Bexhill	—	27	47.4	34.7	41.1	—	56	1st	26	21st	46.2	—	14	5.03	—	0.74	6th	17	87	—	33	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Worthing	—	36	47.4	34.2	40.8	- 3.9	54	4th	28	23rd	42.8	50.5	18	5.12	+ 1.98	0.83	6th	18	97	—	37	—	
16. ENGLAND, S.W.	a Bognor	—	20	47.9	34.8	41.4	—	54	6th	29	21st	—	52.0	18	3.88	—	0.66	6th, 27th	15	99	—	38	—	
	Westbourne	—	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Totland Bay	—	140	48.3	37.3	42.8	- 2.9	54	6th	28	21st	—	—	?	4.14	+ 1.09	0.82	10th	17	103	—	39	—	
17. ENGLAND, S.W.	a Sandown	—	20	49.3	37.0	43.2	—	56	7th	30	21st	—	—	—	4.96	—	0.90	30th	19	96	—	36	—	
	p Bournemouth	—	145	48.2	34.8	41.5	—	54	6th, 27th	27	21st	43.1	47.8	—	3.85	—	0.72	23rd	17	107	—	41	—	
	p Oban	—	20	44.9	33.5	39.2	—	52	1st	24	22nd	—	—	18	4.27	—	0.88	6th	18	73	—	31	—	
18. ENGLAND, S.W																								

1. BAROMETER AND WIND AT 7 A.M.

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



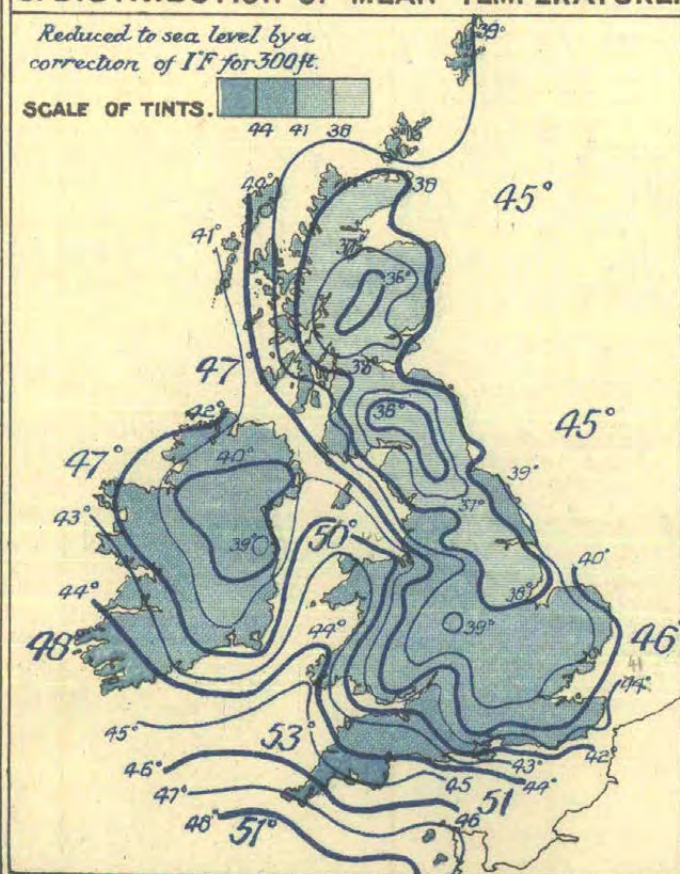
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:
 Light 30 Obs. = 1 inch
 Moderate strong 30 Obs. = 1 inch

3. DISTRIBUTION OF MEAN TEMPERATURE.

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

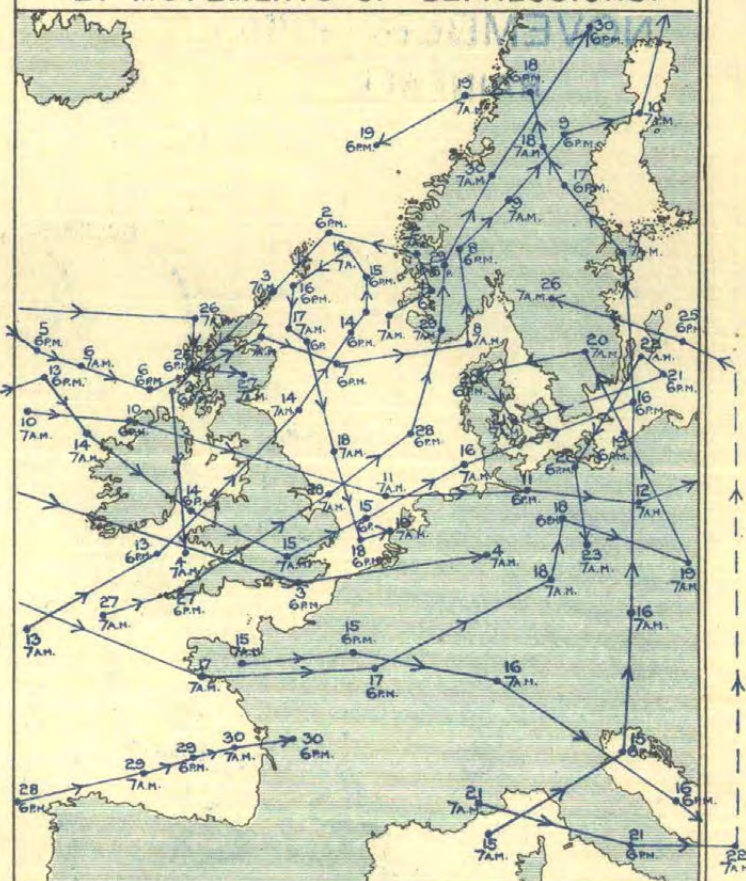
SCALE OF TINTS.

44 41 38



Sea temperatures are indicated by large figures, thus — 46°

2. MOVEMENTS OF DEPRESSIONS.



4. BRIGHT SUNSHINE, IN HOURS.

SCALE OF TINTS.

90 70 50 Hrs



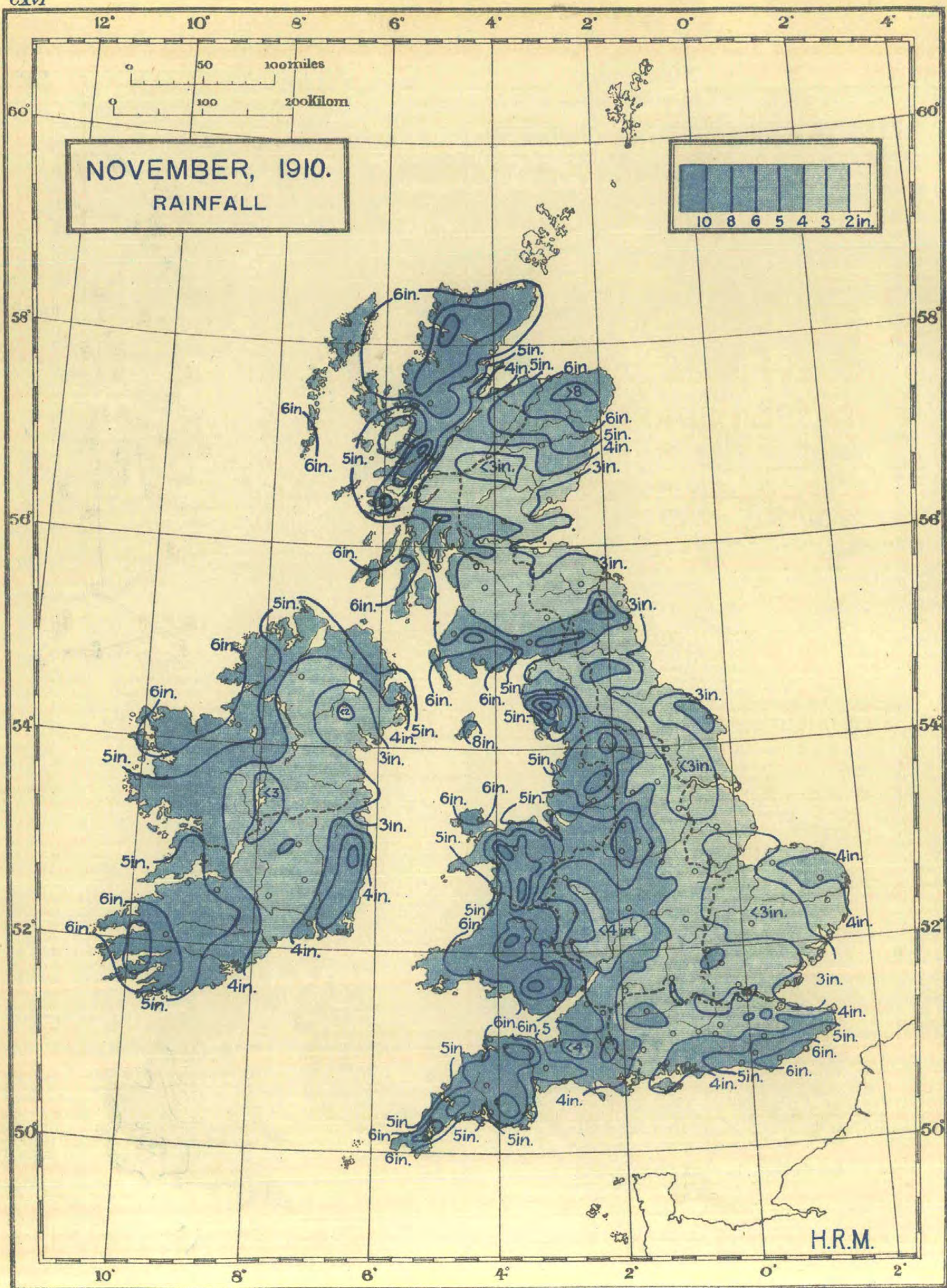


TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, NOVEMBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.				
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Date.					
			Max.	Min.																			
			Ft.	°	°	°	°	°	Day.	°	°	°		°	Ins.	Ins.	Ins.	Days.	Hrs.	Hrs.	%	%	
8. ENGLAND, S.W.— (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	—	5'21	—	1'08	13th	17	—	—	—	—	
	"	900	—	—	—	—	—	—	—	—	—	—	—	5'47	—	1'29	27th	18	—	—	—	—	
	¶ a Cardiff	50	45'5	34'2	39'9	- 4'9	52	6th, 13th	26	17th	41'6	48'5	17	6'68	+2'55	1'07	23rd	22	91	—	35	—	
	a Swansea	24	47'8	37'0	42'4	—	53	1st	28	17th	43'5	51'5	16	5'13	—	0'88	13th	22	63	—	24	—	
	¶ a Shaftesbury	722	44'8	34'7	39'8	- 3'2	52	4th	29	21st	42'8	—	—	3'32	-0'24	0'86	30th	19	—	—	—	—	
	¶ a Arlington	613	46'7	35'3	41'0	- 2'9	52	23rd	26	17th	—	—	—	7'59	+1'91	0'89	30th	23	—	—	—	—	
	¶ § a Culmpton	202	48'9	33'3	41'1	- 2'7	53	13th	24	10th	45'2	—	21	5'22	+1'58	0'72	13th	27	78	+ 22	30	+ 9	
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	93	+ 27	35	+10	—	
	a Weymouth	21	49'3	37'7	43'5	—	54	6th	30	10th	—	—	—	3'80	—	0'69	30th	22	96	—	36	—	
	p Paignton	11	49'6	38'3	44'0	—	55	23rd	30	10th	—	—	—	5'34	—	0'87	30th	22	90	—	34	—	
	p Sheepstor	749	47'1	33'7	40'4	—	53	1st, 23rd	24	10th	—	—	—	8'15	—	1'59	13th	27	—	—	—	—	
	§ a Newquay	100	50'2	43'0	46'6	- 1'4	56	1st	36	17th	48'1	—	—	5'22	+1'50	0'75	13th	29	50	- 25	19	- 9	
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	83	—	—	33	—	
	a Teignmouth	19	50'3	38'4	44'4	—	60	8th	30	10th	—	—	3	4'51	—	0'70	13th, 30th	24	85	—	32	—	
	a Fowey	—	51'0	38'9	45'0	—	56	4th	30	9th	—	—	—	6'47	—	0'75	13th	28	62	—	23	—	
	9. IRELAND, N.	a Penzance	54	51'5	43'2	47'4	—	55	23rd	37	17th	—	—	—	7'25	—	0'88	14th	23	59	—	22	—
p Dunfanaghy		54	45'8	36'3	41'1	—	52	12th, 13th	30	20th, 21st	—	—	—	4'61	—	0'51	22nd	25	—	—	—	—	
p Dublin (Glasnevin)		67	46'4	33'0	39'7	- 4'4	56	1st	24	30th	—	—	23	2'87	+0'09	0'55	22nd	15	—	—	—	—	
a Kingstown		42	46'8	38'1	42'5	—	55	12th, 13th	31	16th	—	—	—	2'61	—	0'55	22nd	18	90	—	36	—	
p Clongowes Wood College		245	45'1	30'8	38'0	—	56	1st	20	30th	—	—	22	4'10	—	0'58	12th	21	82	—	32	—	
10. IRELAND, S.	a Mountmellick	253	45'5	33'7	39'6	—	55	23rd	25	10th, 30th	—	—	—	3'40	—	0'62	12th	18	—	—	—	—	
	p Newcastle (Co. Wicklow)	256	46'3	35'5	40'9	—	56	1st	25	30th	—	—	—	4'07	—	0'89	22nd	17	—	—	—	—	
	¶ a Kilkenny	212	46'5	32'9	39'7	- 4'4	56	23rd	23	17th	—	—	—	3'39	+0'34	0'79	22nd	19	—	—	—	—	
	¶ a Cahir	199	46'9	34'2	40'6	- 3'7	59	23rd	20	17th	—	—	—	4'36	—	0'96	22nd	24	—	—	—	—	
	¶ a Foynes	108	47'5	37'2	42'4	- 2'6	57	22nd	29	17th	—	—	—	5'31	+1'20	0'76	20th	29	—	—	—	—	
11. ENGLISH CHANNEL	§ a Ballinacurra	34	48'0	36'0	42'0	—	58	23rd	27	17th	—	—	—	2'77	—	0'61	22nd	16	72	—	28	—	
	¶ § a Guernsey (Villa Carey)	180	50'5	42'0	46'3	- 2'4	57	1st	35	10th	—	—	—	10'20	+5'43	1'05	30th	28	59	- 3	22	- 1	

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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 0, the number of persistently foggy days was 0.

¶ § 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 A and B. 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 A. 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 ¶ 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.

THE EFFECT OF VIBRATION ON THE STABILITY OF SOILS

VIBRATION		STABILITY	
Intensity	Duration	Factor	Factor
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

NOTES ON THE EXPERIMENT

The following notes describe the experimental procedure and results. The experiment was conducted in a laboratory setting using a vibration table. The soil samples were prepared and placed on the table. The vibration intensity and duration were controlled and recorded. The stability of the soil was measured and compared to the control group. The results show that the vibration significantly reduced the stability of the soil. The reduction was more pronounced at higher intensities and longer durations. The data is presented in the table above.

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, LTD.,
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DECEMBER, 1910.

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SUMMARY OF OBSERVATIONS.

Pressure, Winds and Weather.—The closing month of the year witnessed a continuation of the very disturbed atmospheric conditions which had been experienced during November. In one respect, however, the characters of the two months were entirely different—the abnormal coldness of November was followed by an equally abnormal mildness which lasted practically all through December. High pressure systems were rare visitors, and only affected parts of the British Isles. During the first three days the north of Scotland and the Shetlands were within the central region of an anticyclone, the barometer rising to 30.46 in. at Sumburgh Head. An anticyclone moving across the Bay of Biscay to the Continent embraced southern England on the 22nd, pressure increasing to 30.47 in. at Jersey, and 30.40 in. at Scilly. Another Atlantic high pressure following a more northerly line of advance covered the southern districts from the 28th, the maximum pressure being attained on the 31st, 30.51 in. at Jersey, and 30.52 in. at Oxford. With these exceptions the country may be said to have been wholly under the influence of cyclonic disturbances, advancing towards us from the middle Atlantic region, or passing north-eastward or eastward in the far north, between Scotland and the Arctic Circle, many of them of great depth. The mean pressure for the entire month was consequently everywhere below the normal, the smallest deficiency being in the north, 0.16 in. at Stornoway and Sumburgh Head, and 0.17 in. at Wick, against 0.29 in. at Roche's Point and Valencia, and 0.31 in. at Pembroke. The results indicated a low pressure area between Ireland and Iceland, with the mean pressure below 29.5 in. Thence the values across these islands increased to 29.75 in. at Dover and Jersey, and to 29.85 in. at Paris. Owing to the disturbed conditions out on the Atlantic the mean pressure at the Azores was as low as 30.05 in. The range of pressure was 1.4 in. at Dover and Yarmouth, and nearly 2 in. at Valencia. The distribution of mean pressure did not differ much from the normal, pointing to the general prevalence of winds from between South and West. Through the first eleven days, however, Southerly to Easterly or North-Easterly winds prevailed. Wind forces exceeding a strong breeze were reported on twenty-nine days, gales being numerous, and at times severe.

When, in the opening days of the month, Scotland was under an anticyclonic type of conditions, the southern half of the Kingdom was under the influence of a depression which at the close of November had crossed the Bay of Biscay to Western France. By the morning of the 1st its centre was nearing the Channel Islands. North-Easterly high winds and gales were felt in many parts of England, a strong gale at Dover, accompanied by a very heavy rainstorm, which in several neighbourhoods was incessant throughout the day. Falls of an inch and upwards were numerous, 1.5 in. at Belvoir Castle and Fulbeck, 1.6 in. at Ridlington, 1.9 in. at Oundle, and 2.4 in. at Ruthin. Added to the frequent and heavy falls of November this storm resulted in extensive floods in many of the inland counties. On the 2nd the disturbance moved westward out to sea, the weather continuing very unsettled and wet in the south, another inch of rain falling at Oundle, and also at Plymouth.

With the transfer of the northern anticyclone to Scandinavia and Russia extremely unsettled conditions became general, under the influence of a very deep cyclonic area which according to wireless reports from steamships covered a large part of the Atlantic, the barometer remaining below 29 in. for days. On the morning of the 13th the White Star liner "Baltic" reported a reading as low as 27.84 in. in latitude 51° N., longitude 24° W. The main disturbance appears to have been stationary, or nearly so, but a succession of very deep secondary systems, arrived on our western coasts. Their centres failed, however, to come as far as the meridian of 5° W., most of them dispersing over or near Ireland. One of these appeared to the westward of the Bay of Biscay on the morning of the 4th, and next morning it was entering St. George's Channel, with the barometer below 28.7 in. Following a due northerly course it filled up over the Farøe on the morning of the 6th. A deeper one reached the Kerry coast on the morning of the 8th, barometer 28.52 in. at Valencia, but it filled up over Galway next day. Another arrived in the same neighbourhood on the 10th, pressure sinking to 28.51 in. at Valencia. It filled up over Donegal on the evening of the 11th. Yet another appeared off the Shannon on the morning of the 13th, the barometer touching its lowest level for the month, 28.49 in. at Valencia. By evening, however, the system dispersed over Central Ireland. The last of this group of short-lived depressions entered Galway Bay on the evening of the 16th, somewhat less deep than its predecessors, and on the morning of the 15th it disappeared off the west of Scotland. Already, however, wireless reports disclosed the existence of a disturbance in about 51° N., 42° W., some little distance to the north-eastward of the Newfoundland Bank, on the evening of the 14th. Advancing eastward at a brisk rate the centre arrived over Kerry on the morning of the 16th, and

striking off on a north-easterly course it passed across Ireland, the north of England and southern Sweden, finally disappearing beyond Moscow on the 20th.

A singular feature connected with the approach of this system was the change of pressure on the south-east side of the Irish Sea early in the morning of the 16th. Under the influence of the disturbance pressure commenced to give way soon after midnight, but at 5 a.m. the barometer at Bidston Observatory, near Birkenhead, began to drop at an unprecedented rate, which amounted to 0.22 in. in half an hour, then rose very rapidly, 0.05 in. in 14 minutes, and 0.03 in. in another 17 minutes. At Stonyhurst Observatory the fall set in about 6 a.m., 0.07 in. in 20 minutes, and 0.07 in. in the next 10 minutes. The phenomenon does not appear to have crossed the Pennine Range. (The previous greatest fall in this country occurred at Falmouth Observatory on December 12, 1893, when it amounted to 0.33 in. in an hour.)

After the 16th the conditions over the British Isles were influenced by disturbances situated beyond the north-western coasts, or travelling eastward in the vicinity of the Arctic Circle from Greenland and Iceland to northern Europe. Without an important interruption, therefore, the month's weather was almost continuously unsettled. One or more of the telegraphic reporting stations experienced a gale (force 8) on as many as twenty-five days, a strong gale (force 9) on seventeen days. A whole gale (force 10) from the South-East was felt on the 7th at Roche's Point and Scilly; on the 8th at Malin Head and Roche's Point; and on the 9th at Scilly. During the rest of the month the direction was South to South-West, a whole gale on the 13th at Portland Bill, on the 15th at Scilly and Dungeness; on the 16th at Pembroke, Scilly and Oxford; on the 17th at Dungeness; and on the 24th at Malin Head; while a storm (force 11) occurred on the 12th off Pembroke, on the 16th at Portland Bill; and on the 17th at Dover. The anemometrical records show that the highest velocities were reached at Pendennis, 55 miles in an hour on the 7th, 56 miles in the night of the 9th, and 63 miles on the 16th. Some very high velocities were reached in gusts. On the 13th 73 miles per hour at Scilly, 75 at Pendennis, and 76 at Plymouth; and on the 16th 74 at Scilly, and 85 at Pendennis.

Sharp frost was registered on two days, 20° in the shade at Kilmarnock on the 1st, and 19° at Eskdalemuir and Llangammarch Wells on the 28th being the lowest minima. At other times there was no cold worthy of mention, high day and night temperatures ruling, an afternoon maximum of 60° occurring at Colwyn Bay on the 23rd, and at Rhyl next day, while there were many night minima of 48° and upwards, 51° at Colwyn Bay during the night of the 23rd. For the month temperature was above the average, by more than 4° in numbers of places, over 6° at Balmoral.

Aurora was reported at Deerness on the 1st, Dublin on the 24th, and Eskdalemuir and Inch (Aberdeenshire) on the 28th.

Fog was uncommon inland and on the south coast, prevalent on the Irish coast from the 18th to the 23rd, and was reported nearly every day on the east coast of Britain.

The temperature of the sea water round our shores was generally colder than in November, by as much as 5° at the Newarp light vessel, but as a rule it was warmer than the air on shore, by 5° on the coast of Down and off Waterford.

Rainfall.—Precipitation was nearly entirely in the form of rain, less than the average over Scotland and Ireland; in excess over England. Fort William had a deficiency, and Salisbury an excess of 4.3 in. Aggregate falls of 7 in. and upwards were numerous, ranging up to 14.2 in. at Sheepstor, 14.6 in. at Laragh, 14.7 in. at Treherbert, and 15.1 in. at Seathwaite. Totals less than 2 in. were few, but Leith had just under an inch. Rain was abnormally frequent, falling in some localities on as many as 20 or more successive days, 30 at Gruline (Mull), Epsom and Penzance, and 31 at Lickeen (Kerry), but after the 1st, falls of more than an inch in a day were not numerous, very few instances of as much as 1½ inch. At Eastbourne, Whitby and Fortrose (Ross-shire) there were only 14 days. As a consequence of the almost daily rains many rivers overflowed their banks. At Belvoir Castle it was the rainiest December since 1876, at Great Billing since 1872, and at Southport since 1870. There were a few sporadic thunderstorms in various parts of England and southern Ireland on the 12th, 13th, 20th and 28th.

Bright Sunshine.—As a rule the duration of bright sunshine differed little from the normal, generally less than the average. At Hillington, however, the deficiency was 24 hours, and at Phoenix Park 32 hours. Felixstowe had a total of 62 hours (26 per cent. of the possible), while several stations returned less than 20 hours, Manchester City 8 hours (4 per cent.), and Bunhill Row, London, only 3 hours (1 per cent.).

TABLE A.—Giving a SUMMARY of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLANDS

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY - -	48	29°458	-171	000	47°4	41°6	44°5	+2°8	51	23rd	34	27th, 28th	44°8	46°0	45°3	1°6	2°0	1°7	2°60	2°65	2°63	88	86	87
	Deerness - -	163	29°340	-	005	44°6	39°1	41°9	+2°2	52	23rd	32	26th	42°1	-	41°6	1°2	-	1°2	2°46	-	2°41	90	-	90
	SUMBURGH HEAD	126	29°357	-158	000	46°7	38°1	42°4	+2°8	52	19, 21, 23	30	28th	41°0	42°5	41°2	0°5	0°8	0°7	2°46	2°54	2°44	96	94	95
	STORNOWAY -	52	29°465	-155	006	45°6	39°1	42°4	+3°1	52	23rd	33	27th, 28th	42°6	43°0	42°4	1°3	1°0	1°4	2°45	2°55	2°41	89	92	89
Mainland.	Wick - -	80	29°422	-172	+001	45°2	37°2	41°2	+2°8	54	23rd	26	28th	41°6	-	42°1	1°6	-	1°3	2°29	-	2°40	88	-	90
	Strathpeffer -	210	29°292	-	006	45°1	36°2	40°7	+4°3	54	23rd	25	28th	41°0	-	40°9	1°9	-	1°7	2°17	-	2°20	85	-	87
	Glencarron - S	504	28°982	-	005	45°2	36°0	40°6	+3°6	51	20th, 24th	21	27th	40°9	-	40°9	2°1	-	2°2	2°13	-	2°11	84	-	84
	Fort Augustus S	78	29°472	-	005	45°7	36°1	40°9	+2°9	52	23rd	23	28th	41°9	-	42°3	1°6	-	1°7	2°33	-	2°34	88	-	87
	Fort William - S	88	29°513	-	005	46°0	38°1	42°1	+2°7	51	23rd, 24th	23	28th	42°7	-	42°9	2°4	-	2°2	2°24	-	2°30	82	-	84
	Dunrobin Castle S	16	29°514	-	005	45°6	36°7	41°2	+2°5	56	23rd	28	27th, 28th	42°0	-	41°7	1°5	-	1°7	2°38	-	2°31	89	-	87
District Value -		-	-	-	-	45°6	37°3	41°7	+2°7	56	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-
1. SCOTLAND, E.																									
Mainland.	Tillypronie - S	1120	28°319	-	005	43°5	35°1	39°3	+4°3	55	23rd	18	28th	38°7	-	39°4	1°4	-	1°5	2°10	-	2°13	89	-	87
	Dundee - - S	164	29°399	-	006	45°0	37°4	41°2	+3°8	53	23rd	27	28th	41°2	-	41°4	1°2	-	1°1	2°36	-	2°40	91	-	91
	Nairn - - S	82	29°426	-193	+002	45°4	36°0	40°7	+3°2	54	23rd	25	28th	41°3	43°5	41°8	1°8	2°2	1°7	2°23	2°35	2°29	86	82	87
	Gordon Castle S	107	29°424	-	006	46°2	36°8	41°5	+3°1	56	23rd	29	1, 3, 28	42°6	-	42°7	2°1	-	1°7	2°29	-	2°37	85	-	86
	Aberdeen - -	90	29°462	-199	005	45°7	40°1	42°9	+4°9	57	23rd	29	28th	42°7	43°8	43°0	2°0	2°3	2°3	2°32	2°37	2°28	85	82	82
	Balmoral - - S	927	29°457	-200	-	46°6	34°6	40°6	+6°1	54	22nd, 23rd	24	27th	39°5	-	-	1°4	-	-	2°14	-	-	89	-	-
	Grieff - - S	486	29°089	-	006	45°6	36°8	41°2	+4°1	54	23rd	26	28th	41°7	-	41°5	2°1	-	2°1	2°21	-	2°19	85	-	84
	Leith - - -	37	29°510	-226	+002	47°6	39°7	43°7	+4°3	55	23rd	33	1st	43°2	-	44°0	2°4	-	2°5	2°28	-	2°34	82	-	81
	Marchmont - S	500	29°040	-	005	45°0	36°2	40°6	+4°0	52	24th	26	28th	40°5	-	41°2	1°7	-	1°7	2°17	-	2°23	86	-	87
	District Value -		-	-	-	-	45°7	36°8	41°5	+3°8	58	-	18	-	-	-	-	-	-	-	-	-	-	-	-
2. ENGLAND, N.E.																									
Northern Part.	Seaham - - -	188	29°452	-	007	47°0	39°2	43°1	+4°3	61	11th	28	28th	42°5	-	42°8	1°5	-	1°2	2°43	-	2°52	88	-	91
	Whitby - - -	145	29°439	-	007	47°8	39°6	43°7	+3°4	56	24th	32	30th	43°4	-	43°6	1°7	-	2°0	2°47	-	2°46	87	-	85
	Cockle Pk (Morpeth)	381	29°241	-	007	45°3	37°4	41°4	-	53	24th	28	28th	41°5	-	41°6	1°6	-	1°3	2°32	-	2°38	88	-	90
	Shields - - -	117	29°467	-220	+001	47°2	37°7	42°5	+3°4	55	23rd	28	28th, 29th	43°0	-	44°0	1°4	-	1°6	2°47	-	2°52	89	-	87
	Durham - - -	352	29°218	-	007	46°2	37°6	41°9	+4°4	55	24th	25	28th	41°9	-	42°0	1°3	-	1°2	2°41	-	2°44	90	-	91
	Rounton - - -	245	29°332	-	007	46°2	37°1	41°7	+4°2	55	24th	20	28th	42°2	-	41°7	1°4	-	1°4	2°38	-	2°34	88	-	89
	Scarborough - M	127	29°475	-	007	49°0	39°6	44°3	+5°1	56	11th	28	28th	43°1	-	42°6	1°7	-	1°7	2°41	-	2°37	86	-	87
	York - - -	53	29°581	-	007	47°4	38°8	43°1	+4°9	56	24th	27	28th	43°1	-	42°3	1°1	-	1°2	2°54	-	2°44	91	-	91
	Spurn Head - -	28	29°597	-232	+001	46°1	39°1	42°6	+3°0	54	23rd	31	28th	42°7	44°5	43°5	1°1	1°7	1°7	2°50	2°55	2°46	91	87	86
	Lincoln - - -	42	-	-	-	47°3	38°0	42°7	+5°3	55	23rd	26	28th	43°1	-	-	1°5	-	-	2°48	-	-	88	-	-
Southern Part.	Skegness - - -	16	29°653	-212	+001	45°9	38°3	42°1	-	54	16th, 23rd	27	28th	41°6	-	43°0	0°7	-	1°1	2°49	-	2°53	95	-	91
	Hull - - -	12	-	-	008	47°1	38°4	42°8	+4°9	57	24th	28	28th	43°3	-	43°3	1°9	-	1°6	2°39	-	2°46	85	-	88
	District Value -	-	-	-	-	47°0	38°2	42°8	+3°7	61	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
3. ENGLAND, E.																									
Northern Part.	Lowestoft - -	75	29°633	-	008	46°5	39°0	42°8	+3°6	54	16th	31	28th	44°1	-	42°6	1°4	-	0°9	2°57	-	2°53	89	-	93
	Cromer - - -	139	-	-	008	48°3	39°0	43°7	-	55	16th	32	31st	42°8	-	-	0°5	-	-	2°64	-	-	96	-	-
	Hillington - -	92	29°585	-	008	46°7	38°1	42°4	+4°9	53	16th	26	28th	42°3	-	43°0	0°9	-	1°2	2°50	-	2°51	93	-	91
	Norwich - - -	98	-	-	-	47°1	38°8	43°0	-	53	16, 23, 24	27	28th	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH - -	27	29°662	-213	000	47°1	39°3	43°5	+4°9	53	16, 23, 24	32	29th, 31st	42°4	44°5	43°5	1°4	1°6	1°5	2°41	2°57	2°49	89	88	88
	Geldeston - -	47	-	-	008	47°9	39°6	43°8	+5°2	57	11th	29	28th	-	-	-	-	-	-	-	-	-	-	-	-
Southern Part.	Cambridge - -	43	29°633	-	008	48°0	38°9	43°5	+5°5	55	16th	25	28th	43°0	-	43°4	1°1	-	1°2	2°58	-	2°59	92	-	91
	CLACTON - - -	62	29°645	-238	000	46°7	39°3	43°0	+4°1	53	24th	29	29th	42°6	44°6	43°5	0°8	1°2	0°9	2°56	2°67	2°52	93	91	93
	Woburn - - -	294	29°388	-	009	47°1	38°9	43°0	-	54	16th	25	28th	43°5	-	43°2	1°2	-	1°4	2°59	-	2°53	90	-	89
	Bennington - -	411	29°294	-	009	47°0	38°5	42°8	+4°7	53	16th	27	28th	42°2	-	42°3	1°0	-	1°1	2°47	-	2°46	92	-	91
	Berkhamsted - -	397	29°275	-	009	47°2	38°2	42°7	+4°5	54	16th	25	28th	42°3	-	42°8	0°9	-	1°3	2°50	-	2°46	93	-	89
	District Value -	-	-	-	-	47°6	39°3	43°7	+5°0	57	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-
4. MIDLAND COS.																									
Eastern Part.	Garforth - - -	198	-	-	007	47°1	37°5	42°3	-	56	23rd	35	28th	42°8	-	42°9	1°3	-	1°4	2°49	-	2°50	90	-	90
	Huddersfield -	411	29°193	-	007	46°1	38°8	42°5	-	53	24th	28	28th	42°5	43°9	42°5	1°2	1°3	1°2	2°49	2°50	2°49	90	86	91
	Wakefield - -	100	29°528	-	007	48°2	39°2	43°7	+4°8	56	24th	28	28th	44°2	-	44°2	1°8	-	1°9	2°50	-	2°47	86	-	85
	Belvoir Castle -	276	29°373	-	008	47°0	38°4	42°7	+4°9	54	16th, 24th	24	28th	42°1	-	42°7	1°3	-	1°2	2°40	-	2°48	90	-	90
	Coventry - - -	309	29°330	-	-	47°4	39°1	43°3	+5°0	53	16th	26	28th	43°2	-	-	1°4	-	-	2°49	-	-	89	-	-
	NOTTINGHAM -	85	29°564	-254	000	47°7	38°8	43°3	+5°1	55	23rd	27	28th, 29th	43°0	46°0	43°9	0°9	1°7	0°9	2°57	2°72	2°66	93	88	93
	Birmingham -	542	29°065	-	008	46°6	38°6	42°6	+3°9	53	24th	28	28th	41°7	-	42°7	1°1	-	1°4	2°43	-	2°47	91	-	89
	Oxford - - -	212	29°475	-255	-	48°0	39°7	43°9	+5°0	54	16th	27	28th	43°5	-	44°3	1°4	-	-						

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the month of DECEMBER, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of								WIND.										STATIONS.		
At 1 foot depth.	At 4 feet depth.	Total in Hrs.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 3 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.		N.W.	
—	—	Hrs. 46	Hrs. —	% 22	% —	7.8	8.1	8.4	Ins. 3.76	Ins. —	Ins. 0.58	11th	27	1	1	0	0	18	0	—	1	58	1	4	7	22	9	5	6	22	17	Castlebay (Isd.)	
—	—	21	—	11	—	8.0	—	7.2	3.91	—	0.53	31st	27	1	1	0	3	17	1	—	2	46	3	2	5	5	18	5	6	8	10	Deerness.	
—	—	—	—	—	—	8.5	8.5	8.7	4.89	+0.44	0.52	28th	26	6	2	0	0	20	2	—	5	60	3	18	2	7	20	19	11	4	9	Sumburgh Head.	
—	—	36	+12	19	+7	6.6	7.5	7.2	4.74	—	0.78	21st	29	3	0	0	0	13	0	—	0	54	0	6	4	10	20	14	10	14	15	Stornoway.	
—	—	—	—	—	—	7.6	—	7.6	3.42	+0.43	0.50	31st	28	3	0	0	0	14	1	—	4	29	1	9	0	10	5	18	0	14	5	Wick.	
—	—	26	—	13	—	7.0	—	6.8	2.85	—	0.78	23rd	28	1	0	0	0	12	0	—	0	27	12	2	1	6	8	3	9	13	8	Strathpeffer.	
—	—	—	—	—	—	7.5	—	6.7	9.60	—	0.83	23rd	26	2	0	0	3	16	0	—	0	35	0	23	1	9	0	1	0	28	0	Glencarron.	
—	—	11	+1	5	0	7.3	—	6.3	3.96	—	1.86	21st	25	1	0	0	2	14	0	—	0	26	2	3	15	4	2	2	27	6	1	Fort Augustus.	
—	—	—	—	—	—	8.0	—	7.3	5.56	—	4.30	23rd	27	1	0	0	3	16	1	—	0	19	16	0	6	4	3	6	10	16	1	Fort William.	
41.5	—	—	—	—	—	6.2	—	7.2	3.46	+0.35	0.56	31st	20	3	0	0	2	12	0	—	0	16	4	6	5	21	3	0	8	11	4	Dunrobin Castle.	
—	—	24	+4	12	+2	7.5	8.0	7.3	5.00	—	0.86	1.84	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	6.6	—	6.1	3.87	+1.28	0.43	16th	28	4	0	0	0	6	1	15	5	50	0	4	3	4	14	8	6	7	16	Tillypronie.	
—	—	—	—	—	—	8.4	—	8.7	2.70	+0.05	0.46	4th	19	0	0	0	0	18	1	—	2	16	0	0	5	9	15	1	16	12	4	Dundee.	
—	—	32	—	16	—	7.1	6.6	6.7	1.57	—	0.51	0.19	21st, 31st	24	0	1	0	0	7	0	—	0	5	18	0	2	14	9	2	7	39	2	Nairn.
—	—	28	—	14	—	8.0	—	7.3	1.94	—	0.80	0.30	22nd	20	0	2	0	0	13	0	—	0	4	0	1	2	23	8	14	0	13	Gordon Castle.	
—	42.7	40	+3	20	+2	6.9	6.4	7.4	2.59	—	0.47	0.40	4th	24	3	1	0	0	13	2	—	0	46	4	2	1	5	28	11	17	12	13	Aberdeen.
—	—	—	—	—	—	8.4	—	—	4.12	+0.82	0.78	8th	24	2	0	0	1	19	0	13	5	12	0	4	4	2	10	10	6	22	4	Balmoral.	
—	—	—	—	—	—	7.4	—	7.0	3.41	—	0.90	0.52	9th	21	0	0	0	2	15	2	—	1	25	0	6	3	24	4	3	0	18	4	Crieff.
—	—	—	—	—	—	6.6	—	7.3	0.95	—	1.02	0.26	16th	19	0	0	0	2	15	2	—	0	20	1	2	0	9	15	4	10	18	3	Leith.
38.4	—	33	—	15	—	6.5	—	6.8	2.04	—	0.91	0.42	16th	22	0	0	0	5	13	2	7	0	6	0	2	10	8	4	7	22	7	2	Marchmont.
—	—	38	+7	18	+3	7.3	—	7.2	2.42	—	0.51	0.78	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	7.3	—	6.3	1.99	—	0.41	0.27	16th	20	2	1	0	4	17	0	—	0	27	0	1	1	6	13	11	8	20	2	Seaham.
—	—	29	—	13	—	7.5	—	7.0	1.86	—	0.51	0.37	3rd	14	0	1	0	4	15	2	—	2	1	0	2	3	2	23	1	19	2	10	Whitby.
39.1	41.4	33	—	15	—	7.4	—	6.2	2.03	—	0.69	0.47	3rd	24	2	1	0	2	11	0	10	2	32	0	2	3	2	19	5	9	12	10	Cockle P'k (Mor-
—	—	—	—	—	—	8.5	—	8.2	1.92	—	0.25	0.32	3rd	17	2	0	0	0	22	0	—	0	17	3	1	2	8	11	7	12	12	6	Shields. (peth.)
—	—	43	+1	20	+1	8.1	—	7.1	1.92	—	0.41	0.49	3rd	21	3	0	0	3	19	0	6	0	10	5	0	3	7	6	15	7	14	5	Durham.
39.6	—	—	—	—	—	8.0	—	6.6	2.00	—	0.01	0.50	16th	21	3	0	0	1	15	0	13	2	22	0	0	2	6	12	17	14	1	10	Rounton.
—	44.0	33	—	15	—	7.8	—	8.3	2.25	—	0.11	0.31	3rd	16	1	0	0	0	16	0	?	3	43	0	1	0	4	9	5	15	2	26	Scarborough.
41.7	44.3	24	—	11	0	7.5	—	7.0	2.44	+0.40	0.44	3rd	21	2	0	0	3	16	1	—	0	1	0	1	2	4	2	29	5	14	5	York.	
—	—	—	—	—	—	8.0	7.3	7.9	2.39	+0.63	0.64	1st	19	2	0	0	0	9	3	—	3	87	0	2	7	7	20	16	13	24	4	Spurn Head.	
40.5	43.4	—	—	—	—	6.6	—	7.1	3.42	+1.56	0.72	1st	25	2	0	0	1	13	0	—	1	2	4	0	0	5	19	5	6	22	1	Lincoln.	
—	—	43	—	19	—	7.2	—	6.1	3.42	—	0.65	1st	24	1	0	0	2	13	1	—	0	18	0	0	1	5	4	15	15	14	8	Skegness.	
40.8	44.4	24	—	11	—	8.0	—	5.9	2.89	+0.72	0.48	1st	21	2	0	0	3	16	3	8	0	4	4	3	3	1	8	12	11	7	13	Hull.	
40.3	43.4	34	—	15	—	7.7	—	7.0	2.63	+0.41	1.47	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
42.3	45.3	43	—	18	—	6.9	—	5.7	3.74	+1.75	0.65	1st	19	2	1	0	2	8	0	4	2	26	0	2	0	5	3	16	14	14	8	Lowestoft.	
—	—	33	—	14	—	7.9	—	—	3.40	—	0.70	15th	28	0	0	0	0	17	1	—	0	32	0	3	0	8	8	18	8	9	8	Cromer.	
—	—	17	—	7	—	8.1	—	6.9	4.32	+2.05	0.77	1st	25	2	—	—	1	16	1	15	0	10	6	2	7	1	7	5	18	9	7	Hillington.	
—	—	—	—	—	—	—	—	—	4.49	—	1.18	1st	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Norwich.
41.2	44.9	34	—	15	—	6.5	7.2	5.5	3.78	+1.67	0.64	1st	21	1	2	0	0	4	3	—	0	21	0	2	2	6	13	24	11	30	5	Yarmouth.	
—	—	38	—	16	—	—	—	—	4.02	+2.03	1.19	1st	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Geldeston.
42.0	45.0	36	—	15	—	8.0	—	5.8	3.54	+1.92	0.70	1st, 2nd	22	1	0	0	1	15	0</														

TABLE A. (continued).—Giving a Summary of the METEOROLOGICAL OBSERVATIONS made at 9 a.m., 3 p.m. and 9 p.m. at NORMAL STATIONS in the BRITISH ISLAND

DISTRICT.	STATION.	Height of Barometer cistern above M.S.L.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Day.	Min.	Day.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
		Ft.	Ins.	Ins.		°	°	°	°	°		°	°	°	°	°	°	In.	In.	In.	%	%	%		
5. ENGLAND, S.E.—cont.	Eastbourne	36	29.705	—	—	49.4	42.4	45.9	+5.3	35	16th	29	31st	45.8	—	45.9	1.6	—	1.5	.276	—	.278	88	—	89
	Dungeness	21	29.672	—	—	49.8	41.5	45.7	+4.8	55	5th	29	31st	45.2	48.0	46.6	0.8	1.0	0.9	.283	.309	.297	94	93	94
	Hastings	174	29.561	—	—	48.7	41.6	45.2	+4.4	54	15th	31	28th	45.0	—	45.1	1.5	—	1.4	.264	—	.267	89	—	89
	Southampton	84	29.637	—	—	49.6	41.7	45.7	+5.0	55	19th	30	28th	45.2	—	45.3	1.6	—	1.6	.270	—	.268	89	—	88
	Ventnor	80	29.619	—	—	49.8	43.3	46.6	+3.4	54	16th	31	28th	46.7	—	—	1.5	—	—	.284	—	—	89	—	—
District Value		—	—	—	—	48.6	40.5	44.8	+4.1	58	—	—	20	—	—	—	—	—	—	—	—	—	—	—	—
LONDON	Tottenham	55	29.647	—	—	48.7	41.4	45.1	+5.5	55	13th	27	23th	44.9	—	45.0	1.2	—	1.2	.277	—	.274	91	—	90
	Hampstead	453	29.224	—	—	46.7	39.4	43.1	—	53	16th	27	28th	42.9	—	43.0	0.6	—	0.7	.268	—	.265	95	—	95
	Camden Square	123	29.583	—	—	48.7	40.0	44.4	+4.9	55	16th	27	28th	44.3	—	45.0	1.1	—	1.4	.266	—	.266	92	—	89
	Westminster	54	29.650	—	—	49.4	41.0	45.2	+5.5	55	16th	28	29th	44.4	—	46.5	1.5	—	2.1	.259	—	.268	89	—	85
	Greenwich	159	29.545	—	—	48.3	40.0	44.2	+4.6	55	16th	27	28th	44.0	—	44.5	1.2	—	1.8	.261	—	.253	90	—	87
	Norwood	235	29.460	—	—	47.9	40.1	44.0	+4.8	54	16th	27	28th	44.1	—	44.0	1.5	—	1.5	.255	—	.254	88	—	88
	Kew	34	29.684	—	—	48.5	41.0	44.8	+5.5	54	16th	29	28th	44.4	47.1	44.9	1.8	2.5	2.0	.253	.265	.253	87	82	86
	Bunhill Row	—	29.678	—	—	—	—	—	+5.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Plumstead	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	District Value	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOT- LAND, W.	Eskdalemuir	778	28.749	—	—	44.1	35.0	39.6	—	52	24th	14	28th	40.3	40.8	39.8	1.3	1.5	1.3	.226	.227	.222	89	88	89
	Poitalloch	135	29.414	—	—	45.1	39.8	42.5	+3.0	50	20th, 23rd	24	28th	43.1	—	43.3	1.9	—	2.3	.237	—	.231	85	—	82
	Glasgow	184	29.363	—	—	46.1	39.7	42.9	+4.1	52	23rd	28	28th	42.6	—	43.0	1.8	—	1.9	.238	—	.238	86	—	85
	Rothsay	76	29.484	—	—	46.9	40.1	43.5	+3.5	52	23rd	27	28th	43.0	—	43.1	2.0	—	2.2	.234	—	.239	84	—	82
	Colmonell	150	29.428	—	—	46.9	39.1	43.0	+2.8	52	23rd	23	1st	43.3	44.2	—	2.0	2.1	—	.237	.244	—	84	—	—
	Dumfries	155	29.422	—	—	46.1	38.8	42.5	+4.0	53	24th	24	28th	42.5	—	43.0	1.6	—	1.8	.238	—	.238	87	—	86
	Cally, Gatehouse	120	—	—	—	46.8	39.1	43.0	+4.3	50	7, 23, 30	23	28th	43.1	—	43.2	1.9	—	2.2	.237	—	.232	85	—	83
	Douglas	284	29.287	—	—	47.1	40.9	44.0	+2.2	52	24th	29	28th	44.4	—	43.8	1.3	—	1.6	.266	—	.255	90	—	88
	District Value	—	—	—	—	46.5	39.4	43.2	+2.7	55	—	—	14	—	—	—	—	—	—	—	—	—	—	—	—
	District Value	—	—	—	—	47.0	41.0	44.0	+4.7	53	5th	28	28th	44.0	45.1	44.2	1.5	2.0	1.3	.255	.254	.261	88	85	90
7. ENG- LAND, N.W.	Manchester (City)	195	29.429	—	—	47.8	41.1	44.5	—	54	24th	29	28th	44.8	—	44.7	1.9	—	1.8	.253	—	.256	86	—	86
	„ (Whitworth Pk)	127	29.480	—	—	47.7	40.9	44.3	—	55	24th	26	28th	44.4	—	44.4	1.2	—	1.3	.260	—	.262	89	—	91
	Darwen	730	28.849	—	—	44.7	37.2	41.0	—	53	24th	27	28th	42.0	—	41.9	0.7	—	0.7	.255	—	.254	94	—	95
	Aspatia	254	29.316	—	—	46.5	38.2	42.4	+4.4	52	5th	24	1st	42.8	—	42.5	1.5	—	1.6	.243	—	.238	88	—	87
	Newton Rigg	559	28.980	—	—	45.2	37.4	41.3	+4.4	55	24th	22	28th	41.2	—	41.6	1.1	—	1.0	.235	—	.242	92	—	93
	Stonyhurst	363	29.235	—	—	46.5	39.0	42.8	+4.5	51	7th, 24th	26	28th	43.5	—	43.5	2.1	—	2.1	.239	—	.240	84	—	84
	Blackpool	73	29.539	—	—	46.9	40.0	43.5	+4.0	52	5th	26	28th	44.4	—	43.7	1.2	—	0.9	.265	—	.265	91	—	92
	M'nch't'r (Prestwich)	320	29.284	—	—	46.9	39.4	43.2	+4.8	53	24th	28	28th	43.6	—	43.8	0.9	—	1.1	.263	—	.261	93	—	92
	Liverpl. Bidston Obs.	197	29.408	—	—	47.2	40.7	44.0	+3.8	54	23rd	32	28th	43.8	—	44.1	1.5	—	1.5	.253	—	.256	88	—	88
	Llandudno	32	29.611	—	—	48.0	42.2	45.6	+3.3	57	9th	30	28th	45.8	—	45.8	1.7	—	1.5	.269	—	.274	88	—	89
8. NORTH WALES	HOLYHEAD	48	29.543	—	—	48.3	43.0	45.7	+2.6	53	23rd	34	28th	46.5	47.2	45.7	1.2	1.6	1.2	.288	.287	.280	91	89	92
	Bettws-y-Coed	100	29.504	—	—	47.6	39.4	43.5	+1.2	53	19th, 24th	26	28th	45.0	—	43.7	1.7	—	1.1	.260	—	.260	87	—	91
	Llaneugrad	310	29.292	—	—	46.5	39.5	43.0	—	50	24th	30	28th	44.0	—	43.6	0.9	—	1.1	.271	—	.262	93	—	92
	District Value	—	—	—	—	47.3	39.9	43.8	+3.4	61	—	—	22	—	—	—	—	—	—	—	—	—	—	—	—
	Llangamarch Wells	585	29.014	—	—	47.2	37.2	42.2	+2.1	53	15th	19	28th	42.8	—	—	1.0	—	—	.254	—	—	92	—	—
	PEMBROKE	150	29.445	—	—	50.0	42.9	46.5	+2.3	54	15th	33	28th	46.1	47.1	46.1	1.5	2.0	1.6	.277	.276	.275	89	86	89
	Clifton	229	—	—	—	49.1	40.7	44.9	+4.3	55	15th	27	28th	—	—	—	—	—	—	—	—	—	—	—	—
	PORTLAND BILL	23	29.643	—	—	50.4	44.8	47.6	+4.2	54	16th	33	28th	48.1	49.1	48.5	1.1	1.7	1.4	.308	.307	.306	92	88	90
	Plymouth	116	29.572	—	—	50.3	43.5	46.9	+3.7	54	16th	30	28th	46.7	48.6	47.5	1.1	1.6	1.2	.296	.305	.303	92	89	91
	Falmouth	183	29.514	—	—	50.1	44.3	47.2	+2.5	55	16th	32	28th	46.9	48.4	47.2	1.9	2.2	2.0	.276	.286	.275	87	84	86
9. IRELAND, N.	Woolacombe	100	29.572	—	—	50.2	43.6	46.9	+2.4	56	16th	33	28th	46.9	—	47.2	1.8	—	1.3	.273	—	.281	86	—	86
	Whitchurch	595	29.047	—	—	47.3	40.2	43.8	—	53	16th	27	28th	43.7	—	43.7	1.0	—	1.1	.262	—	.260	92	—	91

CLIMATOLOGICAL STATIONS, at 7 a.m., 1 p.m. and 6 p.m. or 9 p.m. or at 7 a.m. and 6 p.m. at TELEGRAPHIC REPORTING during the Month of DECEMBER, 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER.										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Day.										Forces 1-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
°	°	Hrs.	Hrs.	%	%				Ins.	Ins.	Ins.																						
45.1	47.8	53	0	22	0	6.8	—	4.5	2.92	-0.26	0.64	15th	14	0	0	0	4	8	0	—	1	13	4	4	8	1	3	24	3	14	Eastbourne.		
—	—	—	—	—	—	7.7	8.3	8.4	3.09	+0.85	0.46	3rd	21	0	0	0	0	15	4	—	6	55	1	2	3	8	7	25	16	17	14	Dungeness.	
44.0	46.9	59	+ 3	24	+ 1	6.4	—	4.9	2.32	-0.53	0.35	15th	25	1	0	0	6	7	2	3	4	34	1	2	2	4	4	14	14	11	10	Hastings.	
—	—	43	- 4	18	- 1	7.8	—	6.5	5.33	+2.28	0.84	12th	21	0	0	1	2	15	3	10	2	14	0	0	8	0	12	0	25	0	17	Southampton.	
—	—	52	+ 4	21	+ 1	7.4	—	—	4.45	+1.60	0.61	15th	22	0	0	0	2	21	0	—	0	27	2	2	5	0	5	17	5	18	8	Ventnor.	
43.6	46.5	40	- 5	17	- 2	7.6	—	6.4	4.28	+1.72	1.14	—	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	46.4	19	—	8	—	8.3	—	7.0	3.16	—	0.51	15th	17	0	0	0	0	15	2	5	0	6	0	1	4	3	4	12	16	15	7	Tottenham.	
—	—	21	—	9	—	8.1	—	7.0	3.60	—	0.55	1st	25	1	0	0	1	16	4	7	2	12	6	3	3	3	8	11	14	10	4	Hampstead.	
42.8	45.5	13	—	5	—	8.0	—	—	3.29	+1.24	0.52	1st	20	0	0	0	3	21	1	7	—	—	0	0	3	2	3	7	4	5	7	Camden Square.	
—	—	11	- 2	5	0	6.3	—	7.1	3.08	+1.10	0.54	1st	23	0	0	0	3	17	0	10	3	14	7	2	4	2	4	9	17	13	4	Westminster.	
—	45.3	20	- 13	8	- 5	7.4	—	6.7	3.54	+1.71	0.73	1st	19	1	1	0	2	13	5	7	1	12	1	4	2	5	4	12	14	14	6	Greenwich.	
42.4	—	—	—	—	—	7.8	—	7.5	3.22	+1.25	0.42	1st	21	1	0	0	1	17	5	9	1	10	3	2	3	4	2	21	10	11	6	Norwood.	
42.7	45.6	27	- 9	11	- 4	8.4	8.6	7.0	3.36	+1.44	0.48	1st	19	0	0	0	0	18	3	9	0	32	8	2	2	8	6	26	17	17	7	Kew.	
—	—	3	- 4	1	- 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.	
—	—	13	—	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	37	—	17	—	8.6	8.4	8.2	6.34	—	0.77	16th	28	4	0	0	1	19	0	—	0	57	9	4	8	5	17	13	14	14	9	Eskdalemuir.	
—	—	—	—	—	—	8.4	—	7.9	6.73	+1.21	0.78	13th	29	0	0	0	2	20	0	—	1	35	5	3	5	1	16	5	12	13	2	Poitalloch.	
—	—	19	+ 4	9	+ 2	7.7	—	8.0	3.64	-0.35	0.70	6th	23	0	1	0	0	14	1	4	0	10	5	1	6	15	4	5	12	11	3	Glasgow.	
—	43.8	—	—	—	—	6.9	—	6.9	5.39	+0.50	0.59	5th	29	0	0	0	2	14	4	—	0	30	5	4	2	15	3	8	4	15	6	Rothsay.	
—	—	—	—	—	—	8.0	—	—	6.00	+1.10	0.66	9th	29	0	0	0	3	20	0	2	2	42	0	2	0	2	2	18	0	18	14	Colmonell.	
40.0	42.4	31	—	14	—	8.9	—	7.8	4.88	+0.74	0.92	9th	25	0	0	0	2	22	0	4	1	18	1	2	4	1	21	0	20	0	13	Dumfries.	
—	—	—	—	—	—	—	—	—	7.81	+2.58	1.51	16th	27	0	0	0	—	—	—	1	—	0	10	0	4	1	2	13	2	15	2	23	Cally.
—	—	32	- 9	14	- 4	7.9	—	6.9	4.23	-0.36	0.60	13th	25	4	5	0	1	16	2	2	2	35	0	1	2	3	10	6	9	18	8	Douglas.	
—	26	- 4	12	- 2	8.1	—	7.6	7.6	5.28	-0.08	1.51	27	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
40.5	42.8	39	+ 10	17	+ 4	8.1	7.6	7.8	2.81	-0.17	0.35	15th	27	0	1	0	1	13	0	7	0	73	0	3	3	11	21	15	13	15	12	Southport.	
41.3	44.3	8	—	4	—	6.6	—	5.8	2.83	-0.35	0.40	16th	26	0	0	0	0	3	0	2	0	7	0	4	4	10	13	10	9	8	4	Manchester (City).	
—	—	10	—	4	—	8.9	—	8.0	2.19	—	0.33	15th	23	0	0	0	0	21	0	2	0	11	11	1	3	7	13	7	7	8	5	" (Whit. Pk.).	
40.7	43.0	11	—	5	—	9.6	—	9.1	6.43	—	0.78	16th	28	1	0	0	0	26	0	2	2	40	0	0	4	2	11	17	6	14	8	Darwen.	
40.7	44.0	32	—	15	—	7.5	—	6.2	3.99	+0.18	0.55	9th	27	0	0	0	2	9	0	5	0	12	6	0	5	5	10	5	10	16	5	Aspatia.	
42.1	43.1	30	- 3	14	- 1	7.9	—	6.9	4.13	+0.41	0.60	13th	27	0	0	0	1	13	0	7	2	32	2	0	2	9	13	12	8	14	2	Newton Rigg.	
—	—	24	- 2	11	0	8.7	—	8.5	4.73	+0.30	0.79	23rd	24	1	1	0	0	23	0	5	0	17	8	1	3	9	7	8	14	8	4	Stonyhurst.	
42.5	45.9	36	+ 9	16	+ 4	8.2	—	8.0	2.70	-0.30	0.46	15th	23	0	0	0	1	18	0	4	0	30	0	3	3	5	12	12	7	11	2	Blackpool.	
—	—	10	- 6	4	- 3	9.6	—	7.9	3.05	-0.37	0.35	16th	27	1	0	0	0	22	0	7	2	24	4	1	1	9	4	18	3	15	2	Manchester (Prest).	
—	—	51	—	22	—	8.4	—	7.7	2.69	+0.23	0.31	26th	28	0	1	0	1	15	0	—	1	28	0	1	4	9	14	4	9	16	5	Liverpol, Bid.Obs.	
—	—	34	- 3	15	- 1	8.8	—	9.8	4.24	+1.37	0.86	16th	26	0	0	0	0	27	0	—	0	14	0	2	2	4	1	19	21	7	6	Llandudno.	
—	—	—	—	—	—	8.2	7.6	7.8	5.02	+1.22	0.58	6th	23	0	0	0	0	16	0	—	5	49	0	1	10	6	9	8	23	19	17	Holyhead.	
42.7	45.0	22	—	10	—	7.8	—	7.4	7.41	—	1.19	16th	29	0	2	0	0	13	0	1	7	24	0	4	1	4	1	6	19	16	11	Bettws-y-Coed.	
42.6	44.4	39	—	17	—	8.8	—	6.9	5.94	—	0.85	16th	27	0	0	0	0	15	0	3	7	48	0	2	2	12	3	16	12	7	8	Llanegwad.	
41.6	44.1	31	- 1	14	0	8.4	—	7.7	4.07	+0.71	1.29	26	26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

TABLE B.—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, DECEMBER, 1910.

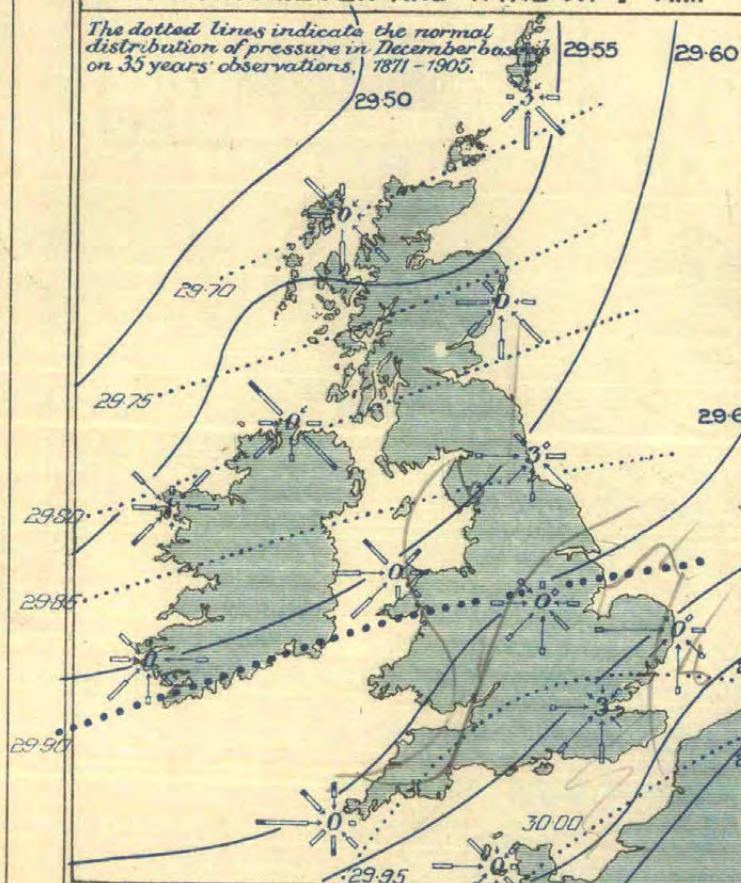
DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature.		Grnd. Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Day.	Min.	Day.							Amt.	Day.					
			Max.	Min.			Max.	Day.	Min.	Day.							Ins.	Ins.					
Ft.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
0. SCOTLAND, N.	p Baltasound	31	44.2	38.0	41.1	—	49	23rd	29	28th	40.1	—	—	5.12	—	0.52	9th	30	11	—	6	—	
	p Crathes	140	45.7	36.3	41.0	—	58	23rd	23	28th	39.6	41.6	13	5.21	—	0.74	4th	23	39	—	19	—	
	p Stonehaven	786	45.9	38.3	42.1	—	53	24th	26	28th	—	—	—	2.56	—	0.43	4th	25	42	—	20	—	
1. SCOTLAND, E.	p Balruddery	276	44.7	36.3	40.5	—	54	23rd, 24th	25	28th	—	—	—	2.67	—	0.49	4th	23	46	—	22	—	
	Edinburgh	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a West Linton	800	43.3	34.4	38.9	+ 2.6	51	23rd	18	28th	—	—	16	2.74	—	0.36	9th	24	35	—	16	—	
2. ENGLAND, N.E.	a Alnwick Castle	210	46.7	38.0	42.4	+ 4.1	55	23rd	27	28th	—	—	—	2.86	—	0.16	16th	18	—	—	—	—	
	p Newcastle-on-Tyne	152	46.9	39.9	43.4	—	56	24th	30	27th, 28th	—	—	—	1.99	—	0.52	3rd	20	29	+ 5	13	+ 2	
	p Ampleforth	349	45.5	37.2	41.4	—	53	24th	26	28th	—	—	—	?	—	?	?	—	—	—	—	—	
3. ENGLAND, E.	p Tealby	251	47.1	38.5	42.8	+ 5.4	55	5th	23	28th	—	—	—	?	—	?	?	?	—	—	—	—	—
	a Fulbeck	180	46.5	38.2	42.4	+ 5.2	54	23rd	27	28th	—	—	5	4.44	+ 2.58	1.47	1st	24	—	—	—	—	
	a Raucby	124	47.0	37.7	42.4	—	55	23rd	27	28th	41.5	44.8	8	4.51	+ 2.48	1.32	1st	25	31	—	13	—	
4. MIDLAND COUNTIES	a Felixstowe	10	46.8	39.4	43.1	+ 4.0	53	16, 23, 24	27	28th	—	—	—	3.99	—	1.43	1st	22	62	—	26	—	
	a Rothamsted	424	47.9	37.9	42.9	+ 4.9	54	16th	26	29th	—	—	—	4.89	+ 2.51	0.78	14th	25	29	—	13	—	
	a Shoburness	13	47.5	39.4	43.5	+ 3.9	54	16th	27	28th	—	—	—	2.92	+ 1.28	0.81	1st	23	—	—	—	—	
5. ENGLAND, S.E.	a Southend-on-Sea	90	47.1	40.2	43.7	—	53	11th, 16th	29	28th	43.5	—	10	2.52	+ 0.91	0.75	1st	18	37	—	16	—	
	a Harrogate	476	45.1	37.9	41.5	+ 4.1	53	24th	28	28th	40.8	42.1	5	3.09	+ 0.61	0.73	3rd	24	38	—	17	—	
	a Bradford	489	46.3	38.5	42.4	—	55	23rd	26	28th	40.3	44.2	5	3.51	—	0.53	15th	23	24	—	11	—	
6. SCOTLAND, W.	a Cheadle	646	44.7	37.1	41.0	+ 3.9	52	23rd	27	28th	—	—	9	5.46	+ 2.55	0.89	1st	27	—	—	—	—	
	a Bawtry	65	47.1	37.3	42.5	+ 4.7	57	23rd	27	28th	—	—	—	3.27	+ 1.35	0.90	1st	23	—	—	—	—	
	a Worksop	56	47.7	38.2	43.0	+ 5.3	55	23rd	26	28th	40.7	43.2	12	3.53	+ 1.37	0.92	1st	22	21	—	9	—	
7. ENGLAND, N.W.	a Mayfield (Staffs.)	374	46.1	36.8	41.5	—	53	23rd	23	28th	—	—	7	5.22	—	0.66	1st	26	—	—	—	—	
	a Belper	222	47.4	37.4	42.4	—	54	23rd	24	28th	—	—	6	4.66	—	1.03	1st	27	—	—	—	—	
	a Kingston-on-Soar	125	47.6	38.3	43.0	—	57	23rd	23	28th	42.3	—	—	4.67	—	1.30	1st	26	—	—	—	—	
8. ENGLAND, S.W.	p Rugby	379	47.8	37.6	42.7	+ 5.2	56	16th	26	28th	—	—	8	4.50	—	0.63	1st, 15th	23	—	—	—	—	
	a Raunds	210	47.5	37.7	42.6	+ 4.9	53	24th	23	28th	41.7	—	11	5.67	—	1.33	1st	20	—	—	—	—	
	a Winslow	379	46.4	38.1	42.3	—	54	16th	25	28th	—	—	7	5.17	—	0.77	13th	26	—	—	—	—	
9. ENGLAND, S.W.	a Hereford	291	48.0	38.8	43.4	+ 4.6	55	23rd	25	28th	—	—	7	5.97	+ 3.58	0.77	1st	22	—	—	—	—	
	a Cirencester	446	48.1	36.6	42.4	+ 4.6	57	7th	23	28th	42.1	44.5	8	4.99	+ 2.31	0.84	15th	23	32	—	7	—	
	a Epsom	160	48.2	39.0	43.6	—	54	16th	23	28th	—	—	10	4.53	—	0.71	14th	30	—	—	—	—	
10. ENGLAND, S.W.	a Wokingham	216	48.0	37.6	42.8	—	54	15th, 16th	20	28th	—	—	—	4.18	—	0.56	3rd	22	—	—	—	—	
	a Maidenhead	101	49.0	38.3	43.7	—	55	15th, 16th	26	28th, 29th	—	—	12	3.78	+ 1.45	0.54	15th	23	—	—	—	—	
	a Marlborough	424	47.6	38.0	42.8	+ 4.7	55	15th	23	28th	—	—	11	6.43	+ 3.47	1.08	14th	23	30	—	5	—	
11. ENGLAND, S.W.	a Bucklebury	409	47.4	38.6	43.0	—	53	16th	25	28th	—	—	10	4.38	—	0.60	3rd	20	—	—	—	—	
	a Swaraton	310	47.4	38.6	43.0	+ 4.8	53	15th	25	28th	—	—	—	5.63	+ 2.59	0.96	14th	22	—	—	—	—	
	a Margate	35	48.7	40.6	44.7	+ 4.4	55	16th	32	31st	44.0	45.9	2	3.33	+ 1.12	0.48	1st	20	38	—	8	—	
12. ENGLAND, S.W.	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	3.39	—	0.45	1st	18	54	—	23	—	
	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Wisley	150	48.7	39.9	44.3	+ 4.8	55	24th	26	28th	42.5	45.5	9	4.31	—	0.62	14th	19	32	—	13	—	
13. ENGLAND, S.W.	a Basingstoke	239	48.1	39.1	43.0	—	55	15th	26	28th, 29th	43.7	46.3	10	5.29	—	0.81	14th	22	—	—	—	—	
	a Dover	231	47.9	39.8	43.9	—	52	4, 15, 16	30	31st	44.5	47.3	7	2.96	—	0.58	1st	18	53	—	22	—	
	a Tunbridge Wells	421	47.2	38.4	42.8	+ 4.4	53	16th	27	28th	42.7	—	11	4.53	+ 1.71	0.82	14th	23	33	—	9	—	
14. ENGLAND, S.W.	a Matfield	320	47.6	39.4	43.5	—	54	16th	27	28th	—	—	8	4.44	—	0.99	14th	22	—	—	—	—	
	p Folkestone	121	48.4	41.1	44.8	—	52	5, 15, 18	32	28th	—	46.9	—	3.41	+ 0.64	0.67	1st	18	56	—	23	—	
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
15. ENGLAND, S.W.	a Bexhill	27	49.1	41.9	45.5	—	54	16th	30	28th	45.8	—	5	2.67	—	0.64	15th	19	51	—	21	—	
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Worthing	36	49.2	40.8	45.0	+ 4.8	58	15th	29	28th	43.9	47.2	8	3.00	+ 0.58	0.67	14th	18	50	—	21	—	
16. ENGLAND, S.W.	a Bognor	20	49.1	41.4	45.3	—	54	15th	31	28th, 29th	—	48.7	9	3.00	—	0.44	15th	20	50	—	21	—	
	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	a Totland Bay	140	49.4	42.5	46.0	+ 4.6	54	16th	30	28th	—	—	7.1	4.21	+ 1.65	0.66	12th	20	53	—	22	—	
17. ENGLAND, S.W.	a Sandown	20	50.4	42.4	46.4	—	55	15th	31	28th	—	—	—	4.59	—	0.71	15th	20	54	—	22	—	
	p Bournemouth	145	49.5	41.4	45.5	—	55	15th	28	28th	43.7	45.4	—	5.07	—	0.68	12th	22	54	—	22	—	
	p Oban	20	47.6	39.7	43.7	—	55	9th	26	1st	—	—	5	5.05	—	0.51	21st, 23rd	27	30	—	14	—	
18. ENGLAND, S.W.	a Thorntonhall (Lanarkshire)	440	44.3	36.5	40.7	—	52	23rd															

MONTHLY WEATHER CHARTS, DECEMBER, 1910.

CXXXV

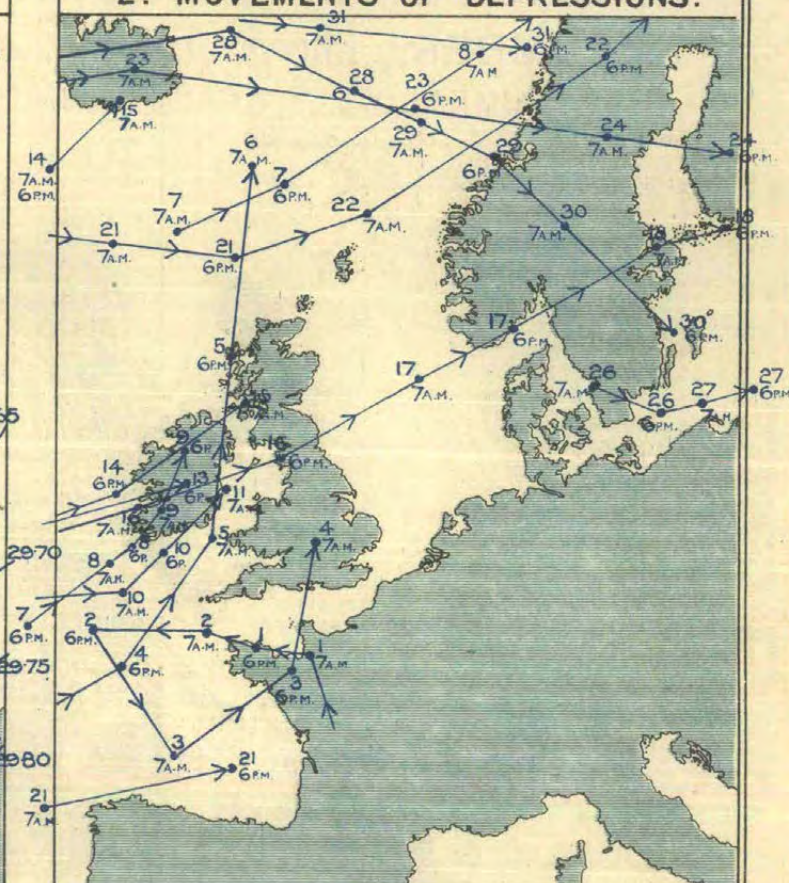
1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in December 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. 10 10 10

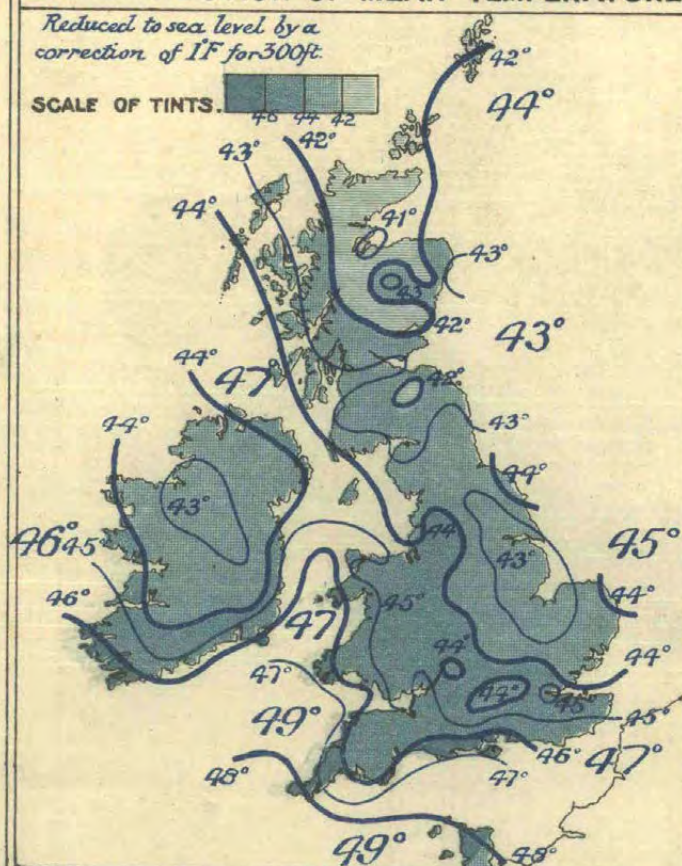
2. MOVEMENTS OF DEPRESSIONS.



3. DISTRIBUTION OF MEAN TEMPERATURE.

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

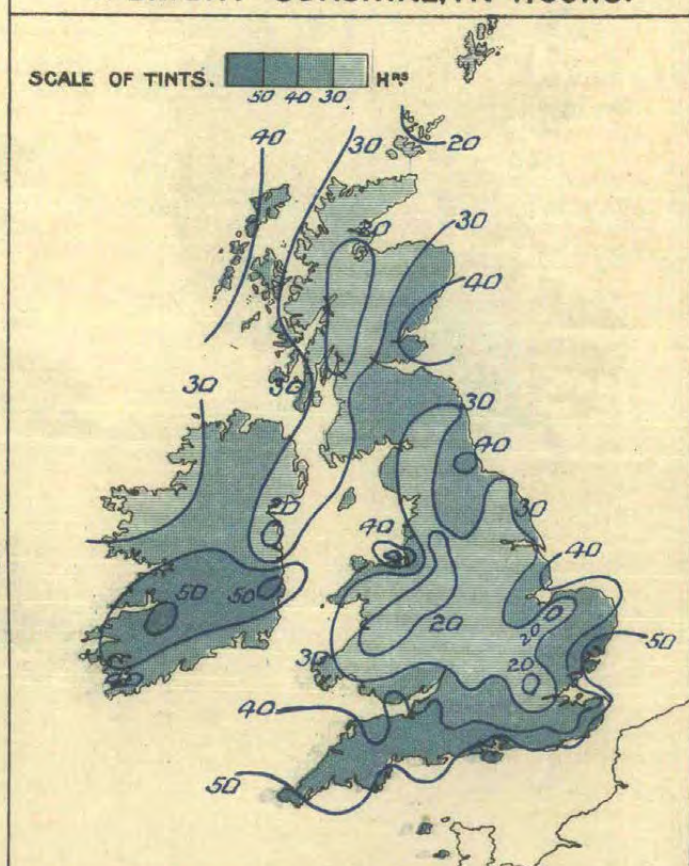
SCALE OF TINTS.

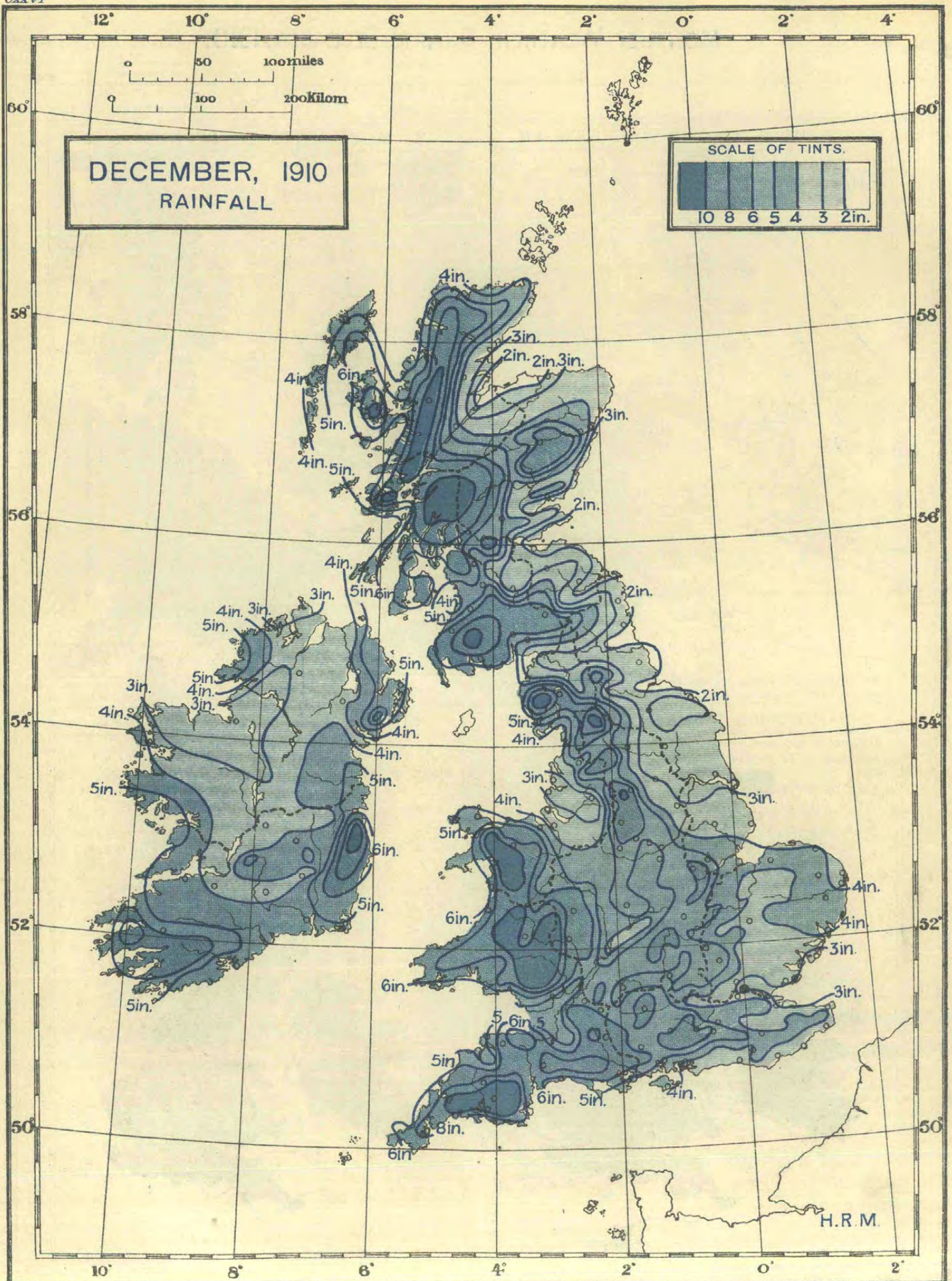


Sea temperatures are shown by large figures thus: 44°

4. BRIGHT SUNSHINE, IN HOURS.

SCALE OF TINTS.





Scale 1 : 5,000,000.

TABLE B (continued).—SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at additional STATIONS, DECEMBER, 1910.

DISTRICT.	STATION.	Height of Gauge above M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost.	RAIN AND OTHER FORMS OF PRECIPITATION.						BRIGHT SUNSHINE.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		No. of Nig'ts	Total Fall.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Eskdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871–1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

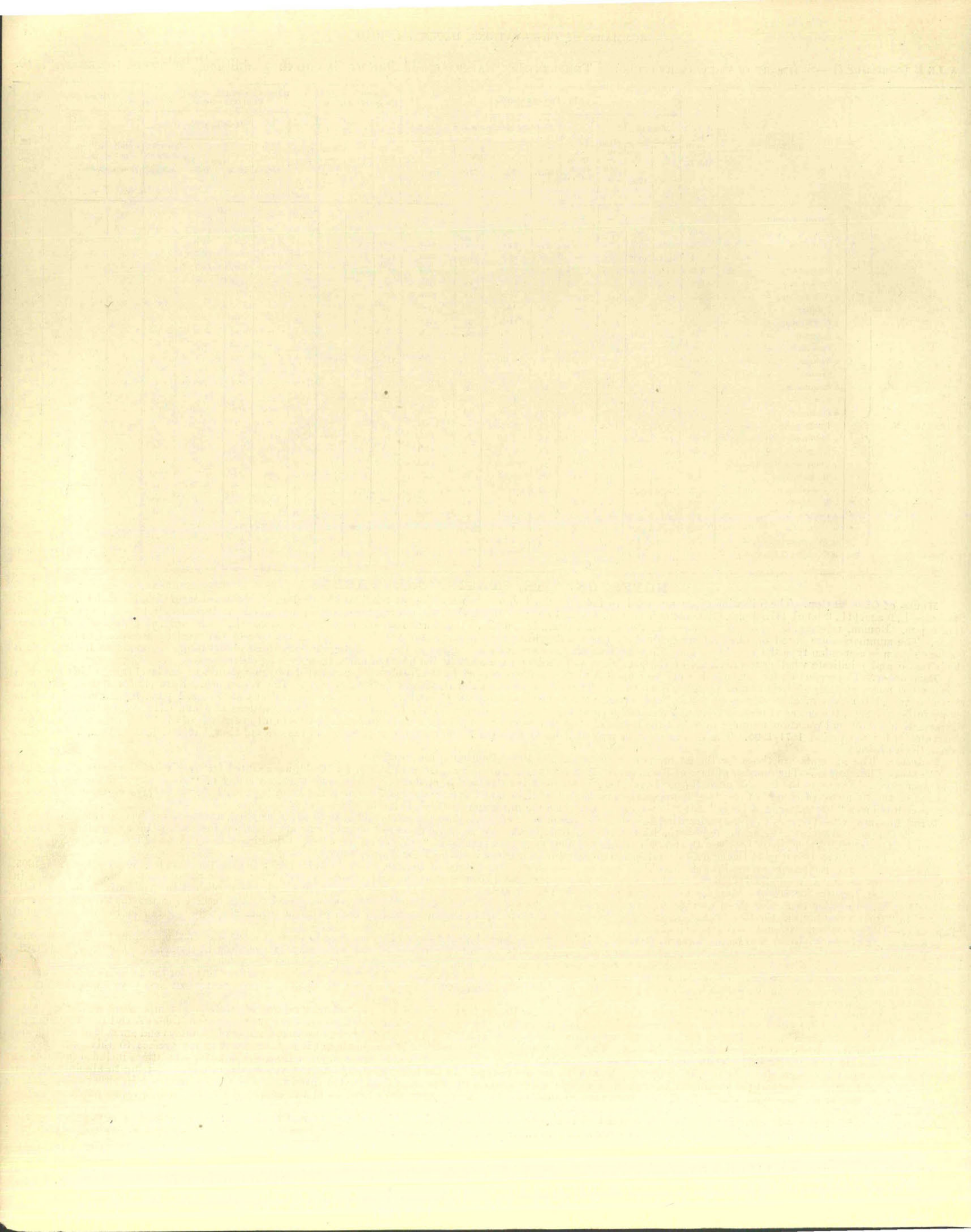
Averages.—The normal averages used for stations are—Pressure, Temperature, and Rainfall for the 35 years 1871–1905; Bright Sunshine for the 25 years 1881–1905. The values are published in Appendix III. to the Weekly Weather Report for 1906. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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 0, the number of persistently foggy days was 0.

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 A and B. 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 A. 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 ⌘ 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.



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, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-FIFTH YEAR.
Vol. XXVII. (New Series)
Weekly Weather Report.

No. XIII.

ANNUAL SUMMARY, 1910.

[Price 6d.]

CONSPICUOUS METEOROLOGICAL OCCURRENCES DURING THE YEAR 1910.

Official reports and communications, daily, weekly and monthly returns, records supplied by numerous rainfall observers in all parts of the British Isles, and logs kept at lighthouses and lightships have been utilised in the preparation of the following summary of the principal meteorological events of the year 1910:—

1. *Gales*.—Though the year as a whole was rather breezy, it was, like several of its immediate predecessors, marked by comparatively few severe gales affecting any considerable portion of the country. In January the force of a gale was felt at one or more of the telegraphic reporting stations on as many as 21 days. The passage of a very deep cyclonic system on a North-Easterly course between Scotland and Iceland was marked by wild stormy conditions over the country generally between the 9th and 12th, a Southerly to Westerly strong gale (force 9 on the Beaufort scale) being experienced in very numerous localities, a whole gale (force 10) at many places on the south-western, western and northern coasts, a storm (force 11) at Barra Head, Deerness and Sule Skerry, and a hurricane (force 12) at North Unst. The gale was maintained through 64 consecutive hours at Rathlin O'Birne, 69 hours at Inchkeith, 82 hours at Skerryvore, and 94 hours at Pladda. In a less widely felt gale on the 24th and 25th a whole gale from West, North or North-East blew at some places on the western and eastern coasts of England and Ireland, a North-East storm at Flamborough Head. On the 28th and 29th the same coasts were again affected, the North-East storm being repeated at Flamborough, where the gale was continuous through 52 hours. During February, gale force was attained on nineteen days, the severe instances being more numerous than those of January. On the 14th the Southerly and South-Westerly wind rose to a whole gale on the western, southern and eastern coasts of England, while on the 17th the Irish and English coasts were involved in a South-Westerly to Westerly gale, storm force being registered at Strumble Head, a hurricane at the North-West Light ship (Mersey). The worst of the gales of the opening months of the year occurred on February 19th to the 21st, when a large number of places in England and Ireland had a whole gale from Southerly to Westerly points. At Tearaght, Bardsey, Start Point, Portland Bill and Flamborough Head storm force was reported, and at the Fastnet, the Coningbeg Lightship, and at Caldy a hurricane. The gale lasted more than 50 hours in various localities, 56 hours at St. John's Point, 57 at Flamborough, 60 at Bardsey and Caldy, and 63 hours at Strumble Head. Practically this was the end of the winter storms, the month of March proving unusually quiet, the wind rarely exceeding the force of a strong or high wind. Disturbances were rather numerous in April, and the month generally was breezy, but the only gales of note occurred in the north of Scotland, a whole gale in some exposed situations on the 13th to 15th, and 18th to 21st, a Westerly storm at Tarbet Ness on the 18th. An occasional gale was felt during the summer months, a strong gale at isolated situations between May 3rd and 8th, on July 23rd and 26th, and August 1st and 26th to 28th. September was an abnormally quiet month, quieter than the month of the vernal equinox, the telegraphic stations affording only two instances of gale force. With October the conditions assumed a more disturbed type, and from the 2nd to the 4th South-Westerly to North-Westerly gales were experienced in many localities, a whole gale at Portland Bill, a storm at Scilly. A strong to a whole North-Easterly gale over southern England on the 13th and 14th was associated with the existence of an area of very high pressure, the barometer standing at 30½ in. in Scotland, against 30 in. on the Bay of Biscay. On the last day of the month a disturbance coming down from the Iceland region started a spell of very disturbed weather, which was maintained generally until the end of the year. A whole Westerly gale blew at Malin Head and Spurn Head on October 31st. November had 20 days and December 25 days on which the wind rose to gale force. Between November 1st and 4th Portland Bill had a whole North-Westerly gale, Malin Head a whole South-Westerly and North-Westerly gale, and Scilly a whole Westerly gale to a North-Westerly storm. From the 6th to the 18th hard gales were felt daily—on the 7th a whole gale from North-West at Holyhead, from West at Malin Head, Scilly and Portland Bill, and an Easterly storm at Wick; on the 10th a whole Southerly gale at Spurn Head; on the 13th an Easterly storm at Sumburgh Head; on the 14th a whole Northerly gale at Sumburgh Head, and a storm at Malin Head; on the 15th a whole Westerly gale at Scilly, and on the 18th from North at Spurn Head. From December 7th to the 17th was another stormy period—a whole South-Easterly gale at Roche's Point and Scilly on the 7th; at Malin Head and Roche's Point on the 8th, and at Scilly on the 9th; a South-Westerly storm at Scilly on the 12th; a whole Southerly gale at Portland Bill on the 13th; from South or South-West at Dungeness and Scilly on the 15th, and at Oxford, Pembroke and Scilly on the 16th, a storm at Portland Bill; and a South-Westerly whole gale at Dungeness, and a storm at Dover on the 17th. Strong gales from South-West to North-West occurred daily from the 22nd to the

28th, a whole South-Westerly gale at Malin Head on the 24th. Self-registering anemometers at 26 stations disclosed the following instances of mean hourly velocities of 60 or more miles of wind:—

February 18th–19th, Pendennis, 60; 20th–21st, Pendennis, 62.

„ 21st, Southport, 63.

December 16th, Pendennis, 63.

In gusts the highest velocities attained were 87 miles per hour at Pendennis on February 18th–19th, and 86 miles per hour at Scilly on the 20th–21st. (For more detailed records, see Appendix III. of the Weekly Weather Report; and for distribution and frequency of winds see Map 1, p. cxxxv.)

Map 2, p. cxxxv., shows the mean paths of the classified low pressure systems which visited our neighbourhood within the year. In some cases the paths were so irregular that it is not possible to combine them with the more regular ones.

2. *Rainfall*.—The year's precipitation was rather irregularly distributed, and this was more noticeable in Scotland and Ireland than over England. In Scotland Glencarron returned a deficiency of 10.4 in., and Fort William of 9.5 in., while several localities had an excess of 5 in. and upwards, Cargen, an excess of 12.7 in. In Ireland there was an excess of 11.5 in. at Markree Castle, and 7.4 in. at Dublin, against a deficiency of 5.7 in. at Roche's Point. Over England generally the totals were above the average, the excess being greatest in the south, 10.2 in. at Jersey, 10.7 in. at Salisbury, 10.8 in. at Polapit Tamar, Launceston, 11.1 in. at Cullompton, and 12.7 in. at Dungeness. The aggregate totals ranged from 134.3 in. at Seathwaite, 83 in. at Loch Torridon, 78.8 in. at Glencarron, 77.1 in. at Sheepstor, 69.1 in. at Fort William, 61.6 in. at Whitechurch, 61.1 in. at Arlington, 60.6 in. at Darwen, and 60.4 in. at Eskdalemuir to 23.4 in. at Westminster, 22.8 in. at Cambridge, 22.5 in. at Hawarden Bridge, 22 in. at Southend, 21.5 in. at Clacton-on-Sea, 21.1 in. at Shobern, and 20.6 in. at Spurn Head. Greenwich had nearly 5 in. more than Westminster. As a rule the frequency of precipitation was considerably in excess of the normal, rain being measured on more than 200 days at the great majority of stations, Foynes 294 days, Roche's Point 277, Stornoway 275, Killarney 270, Valencia 268, and Balta Sound 260. The frequency was least in the south-east, 170 days at Yarmouth, 169 at Rugby, 163 at Clacton-on-Sea, and 156 at Tottenham. In several months falls of an inch and upwards in a day were very numerous, those of 2 in. or more being the following:—January 13th, Kinlochewe (Rossshire), 2.4 in.; 15th, Stonyhurst, 2.1 in.; March 1st, Killarney, 2.5 in.; 2nd, Caragh Lake, 2.5 in.; June 5th, Abergavenny (Mon.), 2 in.; Cardiff and Salisbury (west), 2.1 in.; Salisbury (east), 3.5 in.; 7th, Old Windsor, 2.5 in.; Stow-on-the-Wold, 3.6 in.; 9th, Kidmore End, Reading and Wheatley, Oxon, 5.5 in.; 20th, Mountmellick, 2 in.; July 20th, Bethesda, 2 in.; August 1st, Newcastle, Wicklow, 2.2 in.; 24th, Crieff, 2.4 in.; 25th, Markree Castle, 2.3 in.; 26th, Stornoway, 2.2 in.; October 20th, Dover, 2.4 in., and Dover Waterworks, 2.2 in.; 31st, Kinlochewe, 2.2 in., Cruachan (Loch Awe), Glencarron and Fort William, 2 in.; December 1st, Ruthia, 2.4 in. There were several very heavy falls in short periods, the most striking being 0.71 in. in 14 minutes (3 in. per hour) during a terrific thunderstorm at Abergavenny on May 16th; 3.2 in. in an hour at Kidmore End, on June 9th, when 2.7 in. fell at Wheatley, Oxon, in 48 minutes (3.4 in. per hour), and 1.7 in. in another 20 minutes (5.1 in. per hour); 0.15 in. in 1½ minutes (6 in. per hour) at Epsom on June 25th. At the same place on September 14th, 0.3 in. in 2½ minutes (7.2 in. per hour); and on October 1st, 0.25 in. in 4 minutes (3½ inches per hour). Nearly the whole of the 3.5 in. at Salisbury on June 5th fell in 3 hours. (See also Rainfall Map, p. cxxxvi.)

3. *Snowstorms*.—The snowfalls of the year were unusually rare. The most important occurred towards the end of January, 15 in. at Oban on the 26th; 12 in. at Bradford on the 28th, and an accumulation of 17 in. at Marchmont as the result of a week's falls to the 29th. Snow showers were noted as late as May, and the earliest reference in the autumn was a sharp shower at Epsom on September 19th, when the temperature was at 52°. During the remainder of the year, however, slight showers were almost wholly limited to November, there being a singular freedom from snow in December.

4. *Thunderstorms*.—The opening months were remarkable for the abnormal frequency of electrical disturbances. There were at least 23 days in January on which lightning, thunder or thunderstorms were observed. At Gruline, Mull, thunder was reported on eight successive days; and at Markree Castle, between the 8th and the 16th, lightning was registered on one day and thunderstorms on seven days. They were not so general during February, excepting on the 20th, when the southern half of England was affected. March, on the other hand, produced not a single thunderstorm, only four observers reporting thunder. With April the records became

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

DISTRICT.	STATION.	Height of Barometer at 32° F. at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.											
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	Cor. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						A	B			Max.	Date.	Min.	Date.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.		
														I.	II.	III.	I.	II.	III.	I.	II.	III.	I.	II.	III.
O. SCOTLAND, N.																									
Islands.	CASTLEBAY -	48	29.704	-0.049	-0.001	51.6	44.2	47.9	+0.4	71	June 8th	28	Jan. 27th	47.5	49.7	47.9	1.9	2.7	2.1	In. .288	In. .297	In. .290	% 86	% 82	% 85
	Deerness -	163	29.561	-	-0.005	48.7	41.8	45.3	-0.1	64	Aug. 1st	25	Jan. 27th	45.7	-	44.3	1.9	-	1.5	.272	-	.266	86	-	88
	SUMBURGH HEAD	126	29.576	-0.068	-0.001	49.7	40.6	45.2	+0.5	82	Aug. 6th	?	?	44.6	46.8	44.3	1.5	2.1	1.4	.267	.276	.265	89	85	89
	STORNOWAY	52	29.701	-0.036	-0.001	51.3	41.3	46.3	+0.6	72	June 8th	16	Jan. 27th	45.3	49.4	45.4	1.5	2.6	1.6	.274	.295	.273	89	82	88
	Wick -	80	29.652	-0.065	+0.002	50.6	39.3	45.0	-0.5	67	Oct 5th	8	Jan. 28th	44.2	-	45.8	1.7	-	1.9	.258	-	.271	87	-	86
	Strathpeffer -	210	29.537	-	-0.006	52.0	39.8	45.9	+0.6	73	July 13th	8	Jan. 27th	46.3	-	44.5	2.4	-	2.0	.269	-	.250	82	-	85
	Glencarron -	504	29.224	-	-0.005	51.0	39.2	45.1	0.0	78	June 8th	5	Jan. 27th	45.5	-	44.3	2.5	-	2.3	.256	-	.248	82	-	83
	Fort Augustus -	78	29.706	-	-0.005	51.9	39.6	45.8	-0.7	74	June 18th	2	Jan. 28th	45.4	-	45.7	1.8	-	1.8	.271	-	.275	87	-	87
	Fort William -	38	29.752	-	-0.005	52.9	40.5	46.7	-0.5	78	June 8, 11	5	Jan. 27, 28	46.7	-	45.9	2.7	-	2.2	.266	-	.266	81	-	84
	Dunrobin Castle	16	29.737	-	-0.005	51.5	40.2	45.9	-0.3	68	Aug. 1st	15	Jan. 27, 28	46.4	-	44.9	2.4	-	1.9	.272	-	.264	83	-	85
1. SCOTLAND, E.																									
District Value -																									
Mainland.	Tillypronie -	1120	28.560	-	-0.006	49.8	36.7	43.3	+0.1	74	July 13th	10	Jan. 26th	43.8	-	42.1	2.1	-	1.6	.251	-	.244	84	-	87
	Dundee -	164	29.622	-	-0.006	52.2	40.4	46.3	-0.3	78	June 22th	10	Jan. 28th	46.5	-	44.9	1.9	-	1.4	.285	-	.275	87	-	89
	Nairn -	82	29.660	-0.063	+0.003	52.1	38.9	45.5	-0.7	79	June 8th	4	Jan. 28th	43.6	49.8	47.2	1.5	3.4	2.5	.257	.285	.277	88	88	83
	Gordon Castle	107	29.643	-	-0.006	53.0	39.0	46.0	-0.7	77	June 9th	5	Jan. 28th	47.8	-	45.3	3.1	-	2.3	.269	-	.258	79	-	83
	Aberdeen -	90	29.686	-0.071	-0.006	50.7	41.4	46.1	-0.2	68	May 26th	7	Jan. 28th	46.3	49.7	45.5	2.8	3.6	2.3	.258	.268	.259	80	76	83
	Balmoral -	927	29.080	-0.072	-	52.6	35.8	44.2	+0.9	80	July 13th	-10	Jan. 28th	43.3	-	-	2.3	-	-	.238	-	-	82	-	-
	Crleff -	436	29.317	-	-0.006	53.5	39.6	46.6	-0.1	79	June 11th	4	Jan. 28th	46.4	-	45.0	2.7	-	2.1	.264	-	.261	82	-	85
	Leith -	37	29.734	-0.073	+0.003	53.1	42.1	47.6	-0.3	73	June 12, 13	12	Jan. 28th	45.8	-	49.3	2.1	-	3.2	.269	-	.283	85	-	73
	Marchmont -	500	29.263	-	-0.006	51.9	39.2	45.6	0.0	77	Aug. 12	11	Jan. 28th	46.2	-	44.3	2.7	-	1.9	.263	-	.256	81	-	86
	2. ENGLAND, N.E.																								
District Value -																									
Northern Part.	Seaham -	138	29.666	-	-0.007	52.3	42.1	47.2	-0.2	72	May 26, Aug. 12	15	Jan. 27th	47.5	-	45.8	2.3	-	1.4	.286	-	.285	84	-	89
	Whitby -	145	29.649	-	-0.007	55.4	41.9	48.7	+0.7	73	Aug. 11th	13	Jan. 27, 28	48.8	-	47.1	2.9	-	2.1	.289	-	.286	81	-	85
	Cockle Pk (Morpeth)	331	29.459	-	-0.007	52.0	39.8	45.9	-	73	June 12th	17	Jan. 26, 27	47.0	-	44.5	2.2	-	1.3	.284	-	.273	85	-	90
	Shields -	117	29.683	-0.068	+0.003	52.9	40.2	46.6	-0.6	73	Aug. 12th	15	Jan. 27th	45.3	-	48.9	1.4	-	2.5	.277	-	.293	90	-	83
	Durham -	352	29.432	-	-0.007	52.9	40.3	46.6	-0.2	74	Aug. 13th	10	Jan. 27th	47.3	-	45.2	2.2	-	1.4	.287	-	.279	35	-	89
	Rounton -	245	29.547	-	-0.007	53.2	40.0	46.6	+0.2	73	June 9, Aug. 14	6	Jan. 26th	46.6	-	45.0	2.2	-	1.6	.275	-	.271	84	-	88
	Scarborough -	127	29.680	-	-0.007	55.1	42.9	49.0	+1.2	72	May 26, Aug. 14, 15, 16	20	Jan. 27th	48.8	-	47.5	2.5	-	2.2	.294	-	.285	83	-	85
	York -	53	29.791	-	-0.007	55.4	42.0	48.7	+0.6	79	June 19th	12	Jan. 27th	48.3	-	47.1	2.4	-	1.9	.292	-	.289	84	-	87
	Spurn Head -	28	29.794	-0.082	+0.002	52.8	43.8	48.3	0.0	74	June 21st	25	Jan. 23, 27, 28	47.0	51.2	49.1	1.5	3.0	2.1	.293	.311	.306	89	81	86
	Lincoln -	42	-	-	-	55.4	41.6	48.5	+0.1	80	May 20, June 19	13	Jan. 26, 28	48.8	-	-	2.2	-	-	.309	-	-	95	-	-
Southern Part.	Skegness -	16	29.832	-0.069	+0.002	53.4	42.3	47.9	-	79	June 19th	15	Jan. 28th	46.1	-	49.5	1.0	-	1.7	.299	-	.323	93	-	88
	Hull -	12	-	-	-0.007	55.0	42.3	48.7	+0.9	79	June 21st	16	Jan. 27th	49.2	-	47.6	2.4	-	1.9	.303	-	.295	83	-	87
3. ENGLAND, E.																									
District Value -																									
Northern Part.	Lowestoft -	75	29.792	-	-0.008	53.7	43.6	48.7	+0.2	74	Aug. 15th	22	Jan. 23rd	50.5	-	47.5	2.8	-	1.4	.307	-	.303	82	-	90
	Cromer -	139	29.679	-	-0.008	54.2	43.0	48.6	-	78	June 21st	20	Jan. 28th	48.6	-	47.0	1.8	-	1.4	.307	-	.297	88	-	90
	Hillington -	92	29.757	-	-0.008	55.2	41.2	48.2	0.0	83	May 20, June 19	22	Jan. 27th	48.3	-	46.5	1.9	-	1.2	.304	-	.296	97	-	90
	Norwich -	98	-	-	-	55.4	42.8	49.1	-	80	May 20th	21	Jan. 27, 28	-	-	-	-	-	-	-	-	-	-	-	-
	YARMOUTH -	27	29.829	-0.076	-0.002	54.1	43.7	48.9	+0.8	74	July 21, Aug. 15	25	Jan. 23, 27, 28, Nov. 24	47.2	51.9	48.4	1.6	3.6	1.8	.297	.304	.307	89	77	88
	Geldeston -	47	29.821	-	-0.008	56.0	42.7	49.4	+0.8	79	June 19th	20	Jan. 27th	49.2	-	47.1	2.4	-	1.3	.303	-	.301	84	-	90
	Cambridge -	43	29.820	-	-0.008	56.4	41.9	49.2	+0.3	80	June 19, 20	17	Jan. 27th	49.1	-	47.4	2.5	-	1.6	.303	-	.300	84	-	88
	CLACTON -	62	29.815	-0.077	-0.002	54.9	44.0	49.5	-0.1	75	Aug. 15th	23	Jan. 26, 27, 28	47.5	52.6	48.9	1.5	3.4	1.8	.303	.320	.312	89	79	88
	Woburn -	294	29.584	-	-0.008	55.3	41.3	48.3	-	78	June 20th	12	Jan. 27th	48.4	-	47.0	2.3	-	1.7	.296	-	.296	84	-	88
	Bennington -	411	29.477	-	-0.008	55.5	41.9	48.7	+0.4	79	June 20th	19	Jan. 27th	48.2	-	46.7	2.4	-	1.8	.290	-	.285	84	-	87
Southern Part.	Berkhamsted -	397	29.467	-	-0.008	55.8	41.3	48.6	+0.2	79	June 20th	16	Jan. 27th	47.9	-	46.6	2.2	-	1.6	.290	-	.290	84	-	88
	District Value -					55.4	42.8	48.9	+0.7	83		12													
4. MIDLAND COS.																									
Eastern Part.	Garforth -	198	-	-	-0.007	54.4	39.6	47.0	-	78	June 19th	8	Jan. 27th	48.1	-	46.5	2.6	-	1.9	.289	-	.284	83	-	86
	Huddersfield -	411	29.405	-	-0.007	53.6	41.7	47.7	-	78	June 12, 19	12	Jan. 27th	47.0	51.3	46.3	2.3	4.0	1.8	.281	.294	.283	84	76	87
	Wakefield -	100	29.741	-	-0.007	55.7	41.9	48.8	+0.9	78	June 19th	10	Jan. 27th	48.7	-	48.7	2.8	-	2.4	.286	-	.293	81	-	83
	Belvoir Castle	276	29.573	-	-0.008	54.7	41.5	48.1	0.0	79	June 19th	15	Jan. 27th	47.2	-	46.6	2.1	-	1.7	.285	-	.285	85	-	87
	Coventry -	309	29.543	-	-	55.5	42.3	48.9	0.0	80	June 20th	17	Jan. 27th	48.3	-	-	2.8	-	-	.283	-	-	82	-	-
	NOTTINGHAM	85	29.764	-0.082	-0.002	55.4	41.4	48.4	0.0	80	June 20th	17	Jan. 27, 28	45.7	53.1	47.6	1.4	4.1	1.8	.285	.310	.296	90	75	88
	Birmingham -	542	29.288	-	-0.008	54.3	42.5	48.4	+0.3	79	June 20th	19	Jan. 27th	45.8	-	47.8	2.0	-	2.6	.275	-	.283	86	-	82
	Oxford -	212	29.666	-0.071	-0.011	55.9	42.6	49.3	+0.3	79	June 19, 20	18	Jan. 27, 28	47.2	-	49.1	2.1	-	-	.286	-	-	85	-	-
	Bath -	84	29.767	-0.064	+0.003	56.6	42.5	49.6	-0.2	78	June 20th	16	Jan. 27th	47.7	-	52.6	1.7	-	-	.299	-	-	88	-	-
	Shrewsbury -	212	29.639	-	-0.008	56.0	41.7	48.9	-0.1	80	June 19th	12	Jan. 27th	48.4	-	47.4	2.6	-	2.0	.292	-	.294	83	-	87
Western Part.	Sheffield -	450	29.369	-	-0.008	54.1	42.7	48.4	-0.1	76	June 19th	19	Jan. 27th	48.1	-										

STATIONS and NORMAL CLIMATOLOGICAL STATIONS in the BRITISH ISLANDS during the YEAR 1910.

Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.	
At 1 foot depth.	At 4 feet depth.	Total in Hrs.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.												
						I.	II.	III.			Amount.	Date.										Forces 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.			
—	—	Hrs. 1529	—	35	—	7.9	8.0	7.2	42.0	—	1.60	Aug. 25th	236	32	42	5	10	185	19	—	12	491	20	115	103	159	98	73	100	191	236	Castlebay (Barra) (Ied.)		
—	—	1165	—	12	26	—	7.3	—	6.6	32.9	—	3.3	Aug. 5th	205	25	33	6	17	155	33	—	18	392	56	68	59	60	129	91	72	96	99	Deerness.	
—	—	—	—	—	—	7.2	6.6	6.9	38.7	—	1.4	June 13th	248	41	2	0	8	108	31	—	22	496	56	146	150	71	106	158	153	135	120	Sumburgh Head.		
—	—	1383	+112	31	+2	7.2	7.0	7.2	53.0	+4.4	2.26	Aug. 26th	275	37	43	8	13	136	5	—	20	544	32	126	138	96	102	129	174	161	137	Stornoway.		
—	—	—	—	—	—	7.5	—	7.5	32.5	+3.2	1.28	July 25th	255	23	7	1	1	165	23	—	22	219	19	162	17	93	53	145	50	138	53	Wick.		
—	—	1150	—	38	26	—	7.2	—	6.3	33.6	+1.4	0.82	Nov. 16th	231	28	0	1	25	139	0	—	6	180	254	28	37	62	33	50	99	100	67	Strathpeffer.	
—	—	—	—	—	—	7.3	—	6.5	78.8	—10.4	1.99	Oct. 31st	256	50	7	7	43	185	11	—	11	349	3	187	32	149	6	15	1	337	0	Glencarron.		
—	—	1016	+127	23	+3	7.6	—	6.9	42.2	—2.4	1.16	Apr. 13th	216	39	5	6	22	179	11	—	12	270	42	33	209	16	10	60	294	48	18	Fort Augustus.		
—	—	—	—	—	—	7.4	—	6.9	69.1	—9.5	1.97	Oct. 31st	238	32	5	11	41	182	19	—	5	133	174	3	124	58	16	24	191	117	23	Fort William.		
48.1	—	—	—	—	—	—	—	—	33.5	+1.9	1.62	Nov. 6th	186	24	1	1	—	—	10	—	4	83	44	58	73	141	86	18	70	75	165	Dunrobin Castle.		
—	—	1179	+67	27	+2	7.4	7.2	6.9	49.7	—3.0	2.26	Oct. 20th	225	57	1	11	23	107	36	—	135	29	335	0	120	60	24	137	68	95	78	148	Tillypronie.	
—	—	—	—	—	—	6.7	—	5.9	36.6	+5.2	1.02	Aug. 28th	174	13	2	5	3	177	35	—	26	94	0	20	102	42	132	27	239	68	100	Dundee.		
—	—	1240	—	28	—	7.2	6.5	7.1	27.5	+2.8	1.26	July 25th	233	16	5	7	7	103	16	—	0	55	276	29	68	167	33	11	100	352	59	Nairn.		
—	—	1292	—	29	—	7.5	—	6.5	30.5	0.0	1.05	Aug. 5th	211	19	8	7	11	141	3	—	1	63	0	21	76	8	154	95	181	51	144	Gordon Castle.		
—	46.0	1369	—	32	31	—	6.6	6.3	6.3	27.7	—3.0	0.82	Apr. 12th	223	30	21	6	26	117	21	—	0	241	113	71	60	67	137	162	150	127	208	Aberdeen.	
—	—	—	—	—	—	7.3	—	—	37.5	+1.5	0.93	July 25th	194	40	4	11	40	170	8	—	147	37	100	0	70	26	44	54	60	112	300	64	Balmoral.	
—	—	—	—	—	—	7.1	—	6.6	45.4	+4.0	2.38	Aug. 24th	193	23	7	10	34	157	12	—	9	217	0	65	40	257	11	23	30	259	45	Crieff.		
—	—	—	—	—	—	6.9	—	6.7	25.8	+2.0	1.18	Apr. 16th	193	15	9	9	11	130	20	—	0	137	16	31	84	96	69	43	138	189	64	Leith.		
46.0	—	1314	—	17	30	0	6.7	—	5.9	28.9	—5.5	1.07	Oct. 18th	193	28	2	12	42	141	22	—	0	55	0	92	55	136	20	77	133	185	32	Marchmont.	
—	—	1331	+1	30	0	7.1	—	6.6	32.5	+1.5	2.38	Aug. 28th	197	27	8	20	28	147	15	—	3	216	27	98	39	45	51	96	125	190	59	Seaham.		
—	—	1399	—	32	—	6.9	—	6.5	24.0	—2.9	0.70	July 25th	130	13	4	9	38	134	28	—	4	24	10	35	61	17	125	25	221	24	212	Whitby.		
45.8	46.5	1380	—	31	—	7.0	—	6.4	26.8	—3.3	1.49	Jan. 28th	224	30	6	16	10	128	5	—	97	26	244	37	56	70	30	97	70	79	124	167	Cockle P'k (Mor- Shields.)	
—	—	—	—	—	—	7.7	—	8.0	24.4	—0.6	0.92	Jan. 28th	207	20	8	6	2	203	33	—	6	136	27	82	54	57	63	87	157	136	67	Durham.		
—	—	1326	+9	30	0	7.6	—	7.0	24.9	—2.3	0.90	July 25th	188	34	1	16	32	186	3	—	8	140	134	56	54	28	30	111	106	146	65	Rounton.		
47.3	—	—	—	—	—	7.5	—	6.8	24.5	—2.1	1.11	July 5th	200	22	1	19	26	179	33	—	126	10	167	47	57	86	25	60	156	144	45	110	Scarborough.	
—	49.4	1297	—	29	—	7.5	—	8.3	25.9	—1.4	1.02	Aug. 14th	191	12	0	8	1	169	69	—	15	354	3	25	161	11	87	16	198	24	205	York.		
48.6	48.6	1229	—	47	28	—	6.7	—	6.1	24.6	—0.7	0.92	July 5th	191	16	5	12	40	127	15	—	1	30	5	124	43	52	30	163	72	169	72	Spurn Head.	
—	—	—	—	—	—	7.4	7.0	7.2	20.6	+1.0	0.90	July 6th	174	19	4	13	5	102	38	—	25	824	0	137	94	93	106	134	203	189	139	Lincoln.		
48.0	48.1	—	—	—	—	5.9	—	5.3	24.8	+1.5	0.95	Nov. 27th	196	14	0	0	75	134	6	—	9	40	137	21	34	72	57	31	92	245	41	Skegness.		
—	—	1504	—	34	—	6.3	—	6.0	26.0	—	0.91	June 25th	198	11	6	2	30	120	16	—	1	157	0	112	65	54	58	90	118	150	83	Hull.		
48.2	48.2	1062	—	24	—	7.1	—	6.0	25.6	—0.2	1.48	June 24th	207	26	12	22	39	139	19	—	2	44	98	47	116	30	59	34	130	89	127	Lowestoft.		
47.9	48.2	1382	—	89	31	—	7.0	—	6.7	25.1	+0.2	1.49	Sept. 13th	172	26	8	22	40	95	27	—	55	10	347	14	86	76	58	35	72	119	165	105	Cromer.
50.2	50.3	1667	—	38	—	6.3	—	5.3	29.0	+5.3	1.05	Nov. 27th	255	7	1	0	6	153	28	—	1	336	0	116	50	55	58	128	111	123	89	Hillington.		
—	—	1425	—	32	—	7.4	—	7.3	25.5	—	0.80	May 8th	213	21	12	28	38	145	28	—	114	3	54	159	31	133	26	29	24	141	83	99	Norwich.	
—	—	1355	—	144	31	—	6.7	—	6.2	33.4	+5.9	1.26	Dec. 1st	233	—	—	—	—	—	—	94	—	—	—	—	—	—	—	—	—	—	—	Yarmouth.	
50.2	51.0	1642	—	37	—	6.3	6.3	5.8	28.5	+3.2	1.10	June 22nd	170	18	15	14	0	47	28	—	8	325	9	105	121	82	86	121	192	241	135	Geldeston.		
—	—	1492	—	129	34	—	7.3	—	6.0	30.4	+6.6	1.48	Sept. 13th	214	14	6	27	33	152	11	—	0	39	18	85	68	63	36	99	134	156	71	Cambridge.	
49.5	50.2	15																																

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

DISTRICT.	STATION.	Height of Barometer at Level and Latitude of Station.	BAROMETER.			AIR TEMPERATURE.								HYGROMETER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			Mean at 32° F. at Level and Latitude of Station.	Diff. from Normal.	C. for Diurnal Range.	Mean of		Mean of A and B.	Diff. from Normal.	Absolute Maximum and Minimum.				Observations at 9 a.m., 3 p.m. and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						A	B			Max.	Date.	Min.	Date.	Dry Bulb.			Dep. of Wet.			Vap. Pressure.			Humidity.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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STATIONS and NORMAL CLIMATOLOGICAL STATIONS in the BRITISH ISLANDS during the YEAR 1910.

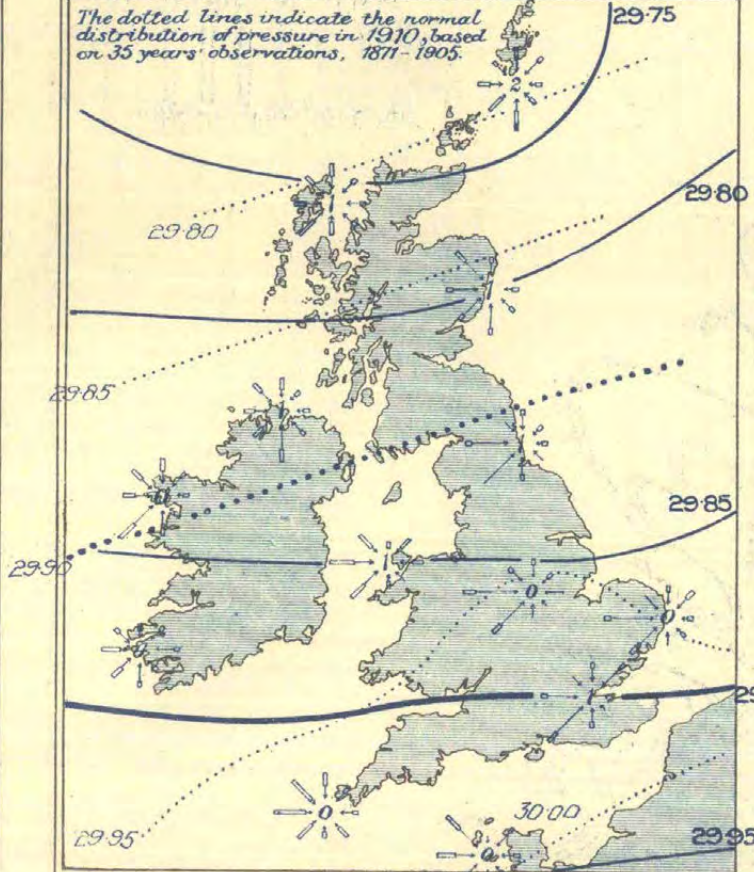
Earth Temperature.		BRIGHT SUNSHINE.				CLOUD (0-10.)			RAIN AND OTHER FORMS OF PRECIPITATION.				WEATHER. No. of Days of										WIND.										STATIONS.
At 1 foot depth.	At 4 feet depth.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.	Mean Amount.			Total Fall.	Diff. from Normal.	Most in a day.		Precipitation.	Snow.	Hail.	Thunderstorm.	Clear Sky.	Overcast.	Fog.	Ground Frost.	Wind-force 8 and above.	No. of Observations at 9 a.m., 3 p.m., and 9 p.m., or at 7 a.m., 1 p.m., 6 p.m., or 9 p.m.											
						I.	II.	III.			Amount.	Date.										Force 4-7.	Calm.	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
°	°	Hrs.	Hrs.	%	%				Inch.	Inch.	Inch.																						
51.6	52.0	1752	+ 13	40	+ 1	6.1	—	5.2	34.8	+3.9	0.92	Oct. 13th	174	5	4	11	69	119	4	—	5	52	54	72	148	28	38	15	186	70	119	Eastbourne.	
—	—	—	—	—	—	7.9	7.7	7.7	35.5	+12.7	1.60	Oct. 20th	193	10	4	22	0	131	44	—	27	534	2	91	157	119	49	131	262	168	116	Dungeness.	
51.1	51.2	1719	- 64	39	- 1	6.5	—	5.1	28.9	- 0.2	0.94	Nov. 6th	212	9	9	23	58	107	30	61	21	282	19	93	92	54	44	71	137	113	107	Hastings.	
—	—	1517	- 148	34	- 4	6.5	—	5.1	33.6	+ 2.7	1.20	Oct. 12th	190	6	7	15	61	112	12	82	5	261	0	7	175	6	98	6	226	20	192	Southampton.	
—	—	1654	- 69	38	- 1	7.2	—	—	32.1	+ 2.5	1.65	Oct. 12th	204	7	3	10	30	167	5	—	7	192	15	96	58	65	66	74	142	131	83	Ventnor.	
50.6	51.1	1529	- 74	35	- 1	7.9	—	5.9	32.0	+ 4.9	2.40	—	193	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
—	51.0	1373	—	31	—	7.8	—	6.6	23.2	—	0.80	Apr. 16th	156	4	2	18	11	156	16	77	0	43	24	85	80	46	38	53	198	107	99	Tottenham.	
—	—	1372	—	31	—	7.3	—	6.1	24.8	- 0.75	—	June 25th	193	17	5	23	34	155	20	—	8	99	93	72	108	48	22	67	156	99	65	Hampstead.	
49.7	49.7	1183	—	27	—	7.2	—	—	25.4	+ 0.2	1.19	Apr. 16th	186	4	3	8	56	203	7	98	—	34	64	46	11	10	36	53	53	58	Camden Square.		
—	—	1146	+ 2	26	0	6.4	—	6.7	23.4	- 1.0	0.63	Nov. 30th	201	14	8	19	27	136	4	93	13	171	56	63	95	52	25	53	179	130	77	Westminster.	
—	50.8	1379	- 125	31	- 3	7.5	—	6.1	28.1	+ 4.0	1.50	Apr. 16th	185	11	14	13	31	157	48	92	2	95	43	94	76	51	39	83	191	96	57	Greenwich.	
49.7	—	—	—	—	—	7.2	—	6.2	27.8	+ 2.9	0.90	June 25th	191	9	9	17	40	156	41	82	3	58	104	79	68	49	27	98	144	105	56	Norwood.	
49.7	50.3	1350	- 117	31	- 2	7.5	7.2	6.0	25.5	+ 1.5	1.17	Aug. 5th	180	4	6	20	22	155	14	99	0	245	151	123	102	83	39	132	225	161	79	Kew.	
—	—	1047	- 93	24	- 2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Bunhill Row.	
—	—	1036	—	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Plumstead.	
—	—	1275	—	29	—	7.8	7.8	6.7	60.4	—	1.86	Aug. 28th	219	32	0	0	17	179	2	—	—	—	—	—	—	—	—	—	—	—	—	—	Esksdaleuir.
—	—	—	—	—	—	7.5	—	6.7	57.1	+ 5.8	1.21	Aug. 25th	248	20	20	6	40	181	12	—	14	214	97	65	45	17	85	78	113	158	72	Poltalloch.	
—	—	1044	- 51	24	- 1	8.3	—	7.5	39.2	+ 0.5	1.33	Aug. 28th	194	22	15	16	4	203	7	70	0	86	137	26	52	139	15	40	116	151	54	Glasgow.	
—	47.6	—	—	—	—	6.4	—	5.6	53.9	+ 5.7	1.34	June 20th	239	20	13	9	61	130	74	—	9	222	144	57	18	161	17	56	44	147	86	Rothsay.	
—	—	—	—	—	—	6.6	—	—	44.4	- 0.5	1.14	Oct. 2nd	213	10	13	12	66	164	26	55	29	283	34	60	24	74	60	92	72	196	118	Colmonell.	
48.0	48.7	1368	—	31	—	7.5	—	6.6	43.8	+ 3.6	2.10	Aug. 28th	190	24	4	8	39	178	30	82	20	153	69	39	100	16	68	29	215	44	146	Dumfries.	
—	—	—	—	—	—	—	—	—	49.6	+ 0.3	2.11	Aug. 28th	222	21	11	9	—	—	6	—	4	87	0	82	107	32	122	38	92	44	213	Cally.	
—	—	1667	+ 67	38	+ 2	7.1	—	5.9	44.5	+ 2.2	1.70	Nov. 12th	224	40	49	19	26	135	68	41	19	257	20	42	69	82	56	71	1104	161	125	Douglas.	
—	—	1380	- 4	31	0	7.3	—	6.5	46.3	- 2.2	2.11	—	217	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
49.1	49.5	1570	+ 104	36	+ 3	7.0	6.6	6.7	35.0	+ 2.1	1.16	July 20th	213	7	24	17	17	121	6	78	19	633	46	75	64	122	143	119	136	206	184	Southport.	
47.9	49.3	982	—	22	—	5.6	—	5.0	37.5	+ 2.3	1.28	Aug. 28th	223	18	11	11	24	39	14	28	0	55	12	64	82	85	96	117	126	106	42	Manchester (City).	
—	—	976	—	22	—	7.6	7.4	6.4	34.2	—	1.24	June 22nd	208	17	7	11	25	165	27	?	2	102	177	56	113	85	96	181	128	171	88	" (Whit. P'k).	
48.0	47.6	1161	—	26	—	7.9	—	7.6	60.6	—	1.80	Jan. 15th	232	34	24	21	3	187	4	91	13	201	3	21	72	35	71	153	97	159	117	Darwen.	
—	—	1498	—	34	—	6.5	—	5.8	38.3	- 0.7	1.32	July 5th	214	12	9	5	43	112	3	76	8	132	98	66	85	29	27	53	130	187	55	Aspatria.	
48.4	47.6	1392	+ 6	32	+ 1	6.7	—	5.7	39.7	+ 3.6	1.66	Aug. 28th	216	25	9	44	119	16	121	18	183	89	41	29	68	100	104	128	141	30	Newton Rigg.		
—	—	1262	- 94	29	- 2	7.4	—	6.5	53.3	+ 6.5	2.07	Jan. 15th	220	27	37	18	29	160	5	74	1	97	254	25	70	39	18	58	116	110	40	Stonyhurst.	
49.0	49.1	1627	+ 218	37	+ 5	7.4	—	7.4	33.3	- 0.5	1.40	July 20th	217	8	20	20	17	173	1	66	5	292	0	45	77	94	96	81	91	127	113	Blackpool.	
—	—	1015	- 119	23	- 3	8.5	—	6.5	40.0	+ 3.0	1.15	July 5th	219	20	10	14	16	197	9	73	5	150	97	53	63	88	21	131	74	179	24	Manchester (Prest).	
—	—	1585	—	36	—	6.5	—	7.0	28.6	- 0.2	0.92	July 20th	227	10	24	23	26	129	10	—	3	200	9	40	57	83	116	57	108	178	82	Liverpol, Bid. Obs.	
—	—	1564	+ 108	35	+ 2	6.8	—	7.4	36.7	+ 5.9	1.22	July 5th	225	6	22	7	34	184	1	—	2	66	11	59	44	78	31	143	127	178	59	Llandudno.	
—	—	—	—	—	—	7.3	7.0	6.7	40.2	+ 5.3	1.09	July 5th	212	6	13	14	2	106	48	—	34	484	35	65	97	103	52	76	259	200	208	Holyhead.	
47.7	48.3	1210	—	27	—	6.4	—	6.16																									

TABLE B.—ANNUAL SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE, at other STATIONS included in the MONTHLY SUMMARIES for the year 1910.

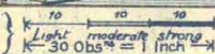
DISTRICT.	STATION.	Height of Gauge above M.S.L. Ft.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost. No. of Nig'ts	RAIN AND OTHER FORMS OF PRECIPITATION.				BRIGHT SUNSHINE.				
			Mean of		Mean of A and B. °	Diff. of Mean from Normal. °	Absolute Maximum and Minimum.				1 ft.	4 ft.		Total Fall. Ins.	Diff. from Normal. Ins.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal. Hrs.	Per Cent. %	Diff. from Normal. %
			A	B			Max.	Date.	Min.	Date.						Amt.	Date.					
			Max.	Min.																		
0. SCOTLAND, N.	p Baltasound	31	49.3	40.9	45.1	—	77	Aug. 6th	13	Jan. 28th	45.7	—	—	41.9	—	1.15	April 13th	260	1264	—	29	—
1. SCOTLAND, E.	p Crathes	140	53.2	38.6	45.9	—	75	July 13th	1	Jan. 28th	46.2	45.9	117	34.4	—	1.51	Aug. 28th	197	1299	—	29	—
	p Stonehaven	186	51.3	40.5	45.9	—	73	June 12th	14	Jan. 27, 28	—	—	—	27.7	—	1.14	Aug. 16th	202	1438	—	33	—
	p Balruddery	276	53.3	38.7	46.0	—	79	Oct. 7th	6	Jan. 28th	—	—	—	30.0	—	1.43	July 25th	193	1432	—	32	—
	Edinburgh	253	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. ENGLAND, N.E.	a West Linton	800	50.4	36.9	43.7	1.5	75	July 11th	5	Jan. 26th	—	—	137	36.5	—	1.09	Oct. 18th	225	1220	—	28	—
	a Alnwick Castle	210	53.0	40.7	46.9	0.3	75	May 26th	7	Jan. 27th	—	—	—	30.6	1.0	1.00	Jan. 28th	198	—	—	—	—
	p Newcastle-on-Tyne	152	52.9	42.8	47.9	—	74	Aug. 11th	16	Jan. 27th	—	—	—	24.6	2.8	0.71	May 31st	206	933	133	21	3
	p Ampleforth	349	53.3	40.8	47.1	—	75	June 19th	12	Jan. 27th	—	—	—	?	?	?	?	?	?	?	?	?
3. ENGLAND, E.	p Tealby	251	53.7	41.5	47.6	0.0	77	June 19th	13	Jan. 26th	—	—	—	?	?	?	?	?	?	?	?	?
	a Fulbeck	180	55.5	41.6	48.6	0.6	81	June 20th	15	Jan. 27th	—	—	?	25.9	2.2	1.47	Dec. 1st	198	—	—	—	—
	a Rauceby	124	55.4	41.3	48.4	—	80	May 20th	18	Jan. 27th	49.7	49.4	108	26.9	1.2	1.32	Dec. 1st	196	1433	—	32	—
	a Felixstowe	10	54.8	44.1	49.5	0.3	74	July 31st	22	Jan. 26, 27	—	—	—	25.4	—	1.43	Dec. 1st	189	1768	—	40	—
4. MIDLAND COUNTIES	a Rothamsted	424	55.4	41.6	48.5	0.5	79	June 20th	18	Jan. 27th	—	—	—	29.7	1.8	0.96	Aug. 18th	222	1394	139	32	3
	a Shobury	13	55.7	44.0	49.9	0.1	74	June 21st	23	Jan. 27th	—	—	—	21.1	1.5	0.81	Dec. 1st	179	—	—	—	—
	a Southend-on-Sea	90	55.8	44.2	50.0	—	77	June 21st	21	Jan. 26, 27	51.1	—	76	22.0	0.7	0.97	Nov. 30th	173	1493	—	34	—
	a Harrogate	476	52.9	40.6	46.8	0.1	76	June 19th	14	Jan. 27th	46.9	47.3	90	34.0	4.5	0.97	July 5th	201	1407	—	32	—
5. ENGLAND, S.E.	a Bradford	489	52.8	41.4	47.1	—	76	June 20th	16	Jan. 27th	47.3	48.2	75	36.9	—	1.32	Nov. 10th	191	1277	—	29	—
	a Cheadle	646	53.1	40.2	46.7	0.1	77	June 20th	14	Jan. 27th	—	—	102	36.5	3.7	1.33	Aug. 28th	210	—	—	—	—
	a Bawtry	65	56.1	40.6	48.4	0.3	82	June 21st	12	Jan. 27th	—	—	—	24.6	0.7	0.94	Nov. 27th	186	—	—	—	—
	a Worksop	56	56.3	40.9	48.6	0.6	80	June 19th	13	Jan. 27th	48.2	48.4	117	24.9	0.6	0.97	Nov. 27th	184	1222	30	28	0
6. SCOTLAND, W.	a Mayfield (Staffs.)	374	53.8	39.7	46.8	—	77	June 19th	8	Jan. 27th	—	—	88	37.3	—	1.09	Nov. 23rd	206	—	—	—	—
	a Belper	222	55.2	40.9	48.1	—	80	June 19th	11	Jan. 27th	—	—	68	31.3	—	1.04	Nov. 27th	206	—	—	—	—
	a Kingston-on-Soar	125	55.3	40.6	48.0	—	79	June 20th	11	Jan. 27th	49.0	—	—	26.6	—	1.30	Dec. 1st	203	—	—	—	—
	p Rugby	379	55.7	40.3	48.0	0.1	80	June 20th	13	Jan. 27th	—	—	?	27.8	—	1.06	Oct. 1st	169	—	—	—	—
7. ENGLAND, N.W.	a Raunds	210	56.6	40.7	48.7	0.0	83	June 19th	16	Jan. 27th	49.2	—	107	24.8	—	1.33	Dec. 1st	176	—	—	—	—
	a Winslow	379	55.0	41.5	48.3	—	82	June 20th	16	Jan. 27th	—	—	82	29.9	—	1.15	Oct. 11th	199	—	—	—	—
	a Hereford	291	56.0	41.7	48.9	0.2	79	June 20th	14	Jan. 27th	—	—	125	36.4	9.4	1.15	Oct. 16th	197	—	—	—	—
	a Cirencester	446	55.9	40.2	48.1	0.5	78	June 20th	10	Jan. 27th	—	—	91	33.2	2.5	1.37	June 7th	205	1360	148	31	3
8. ENGLAND, S.W.	a Epsom	160	56.7	42.4	49.6	—	81	June 19th	17	Jan. 27th	—	—	106	30.4	—	0.95	Jan. 27th	215	—	—	—	—
	a Wokingham	216	56.3	40.1	48.2	—	78	June 19th	10	Jan. 27th	—	—	—	30.2	—	1.05	June 9th	180	—	—	—	—
	a Maidenhead	101	58.5	41.7	50.1	—	84	June 20th	17	Jan. 27th	—	—	110	28.2	2.1	1.09	June 9th	166	—	—	—	—
	a Marlborough	424	55.1	40.4	47.8	0.0	77	June 19th	14	Jan. 27, 28	—	—	108	39.2	7.3	1.08	Dec. 14th	207	1281	115	29	3
9. ENGLAND, S.W.	a Bucklebury	409	55.0	41.6	48.3	—	77	June 20th	17	Jan. 27th	—	—	127	30.9	—	1.15	June 9th	191	—	—	—	—
	a Swaraton	310	55.3	41.4	48.4	0.5	77	June 19th	14	Jan. 27th	—	—	—	34.9	3.5	1.05	Oct. 11th	191	—	—	—	—
	a Margate	85	55.6	45.1	50.4	0.5	75	June 20th	27	Jan. 26, 27, Nov. 23rd	50.1	50.1	25	28.5	5.3	1.03	Aug. 4th	183	1454	86	33	2
	Broadstairs	140	—	—	—	—	—	—	—	—	—	—	—	30.0	0.97	0.97	Aug. 4th	175	1634	—	37	—
10. ENGLAND, S.W.	Ramsgate	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	a Wisley	150	56.5	42.9	49.7	0.1	80	June 19th	19	Jan. 27th	49.7	50.5	93	26.4	0.74	0.74	July 3rd	174	1430	—	32	—
	a Basingstoke	289	55.5	41.9	48.7	—	77	June 20th	15	Jan. 27th	—	—	89	35.4	—	1.09	Oct. 11th	190	—	—	—	—
	a Dover	231	54.9	43.8	49.4	—	73	June 20th	15	Jan. 27th	—	—	—	34.1	—	2.40	Oct. 20th	192	1663	—	38	—
11. ENGLAND, S.W.	a Tunbridge Wells	421	55.3	42.0	48.7	0.2	79	June 20th	18	Jan. 27, 28	50.2	—	98	35.3	5.7	1.19	Mar. 9th	198	1543	45	35	1
	a Matfield	320	55.4	42.6	49.0	—	78	June 20th	20	Nov. 23rd	—	—	95	34.3	—	1.21	Feb. 20th	193	—	—	—	—
	p Folkestone	121	55.1	44.5	49.8	—	76	Aug. 15th	23	Jan. 26th	—	49.7	—	34.6	6.6	1.68	Oct. 20th	180	1727	—	39	—
	Littlestone	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. ENGLAND, S.W.	a Bexhill	27	55.5	45.5	50.5	—	72	May 23rd	22	Jan. 27th	52.2	—	45	29.7	0.85	0.85	Oct. 13th	189	1675	—	38	—
	Hove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	a Worthing	36	55.9	44.4	50.2	0.6	74	May 23rd	22	Jan. 27th	51.1	51.4	67	32.6	5.9	1.21	Feb. 20th	191	1731	—	39	—
	a Bognor	20	55.6	45.0	50.3	—	74	May 23rd	23	Jan. 27th	—	—	78	27.9	0.87	0.87	Feb. 20th	173	1726	—	39	—
13. ENGLAND, S.W.	Westbourne	30	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	a Totland Bay	140	55.7	45.4	50.6	0.8	74	May 23rd	21	Jan. 27th	—	—	—	31.8	3.7	1.51	Oct. 12th	179	1666	—	38	—
	a Sandown	20	57.2	45.7	51.5	—	74	May 22nd	24	Jan. 27th	—	—	—	36.4	—	1.50	Oct. 12th	203	1672	—	38	—
	p Bournemouth	145	56.6	44.2	50.4	—	77	May 23rd	18	Jan. 27th	50.4	51.2	—	33.6	—	1.53	Oct. 12th	191	1715	—	49	—
14. ENGLAND, S.W.	p Oban																					

1. BAROMETER AND WIND AT 7 A.M.

The dotted lines indicate the normal distribution of pressure in 1910, based on 35 years' observations, 1871-1905.



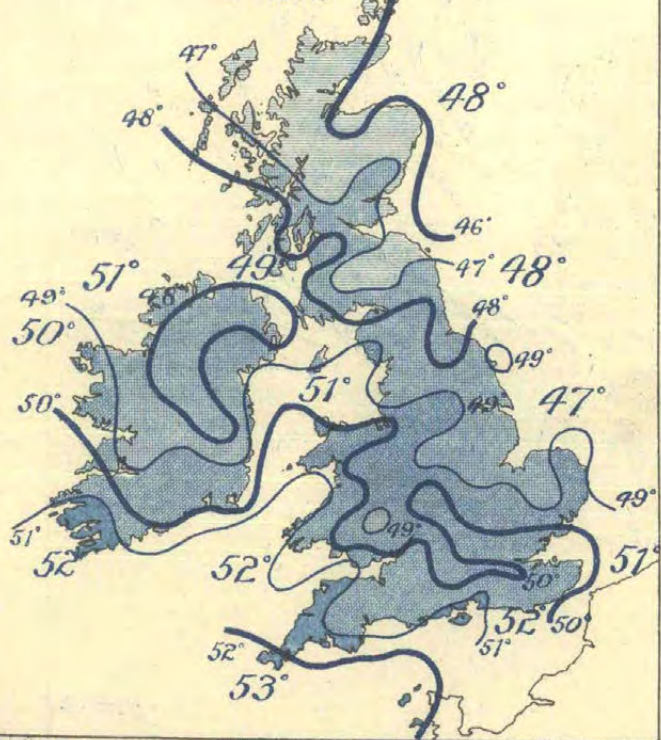
WIND ROSES. The arrows fly with the wind and indicate frequency and force, thus:



3. DISTRIBUTION OF MEAN TEMPERATURE.

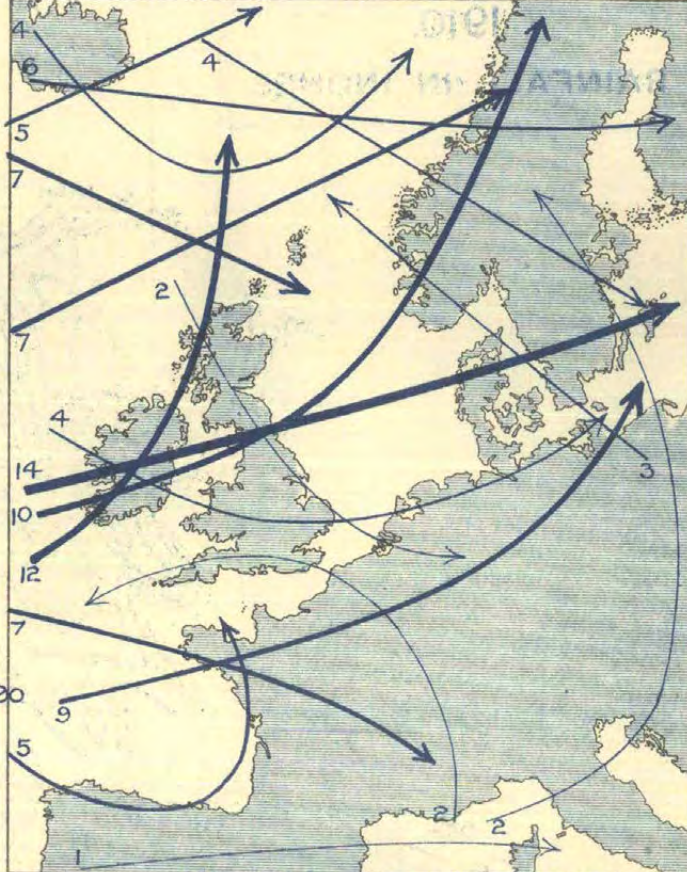
Reduced to sea level by a correction of 1°F for 300ft.

SCALE OF TINTS.



Sea temperatures are shown in large figures, thus— 48°

2. MOVEMENTS OF DEPRESSIONS.



The figures indicate the number of depressions following each path. Some irregular paths are omitted.

4. BRIGHT SUNSHINE, IN HOURS.

SCALE OF TINTS.

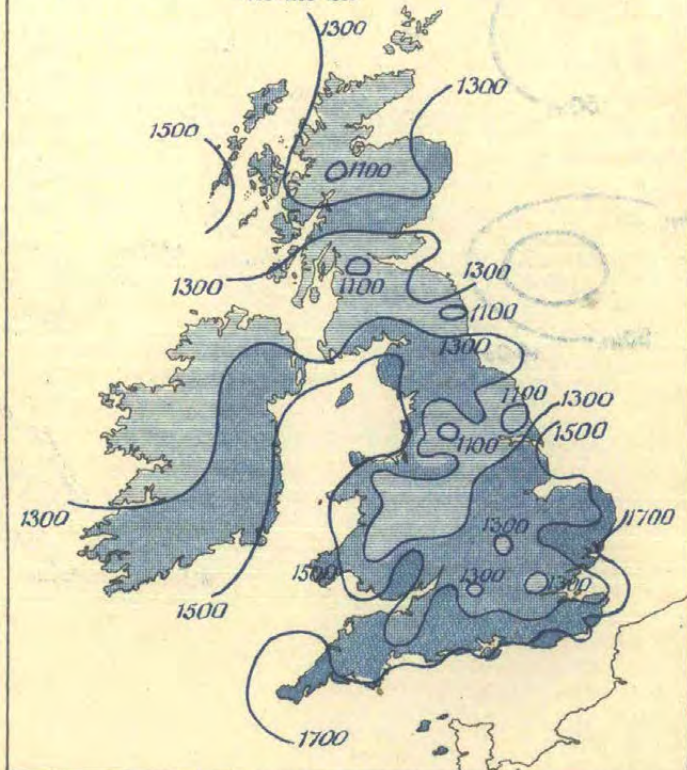


TABLE B—continued.—ANNUAL SUMMARY of the OBSERVATIONS of TEMPERATURE, RAINFALL, and BRIGHT SUNSHINE at other STATIONS included in the MONTHLY SUMMARIES for the year 1910.

DISTRICT.	STATION.	Height of Gauge above, M.S.L.	AIR TEMPERATURE.								Earth Temperature		Grnd Frost. No. of Nig'ts	RAIN AND OTHER FORMS OF PRECIPITATION.					BRIGHT SUNSHINE.			
			Mean of		Mean of A and B.	Diff. of Mean from Normal.	Absolute Maximum and Minimum.				1 ft.	4 ft.		Total Fall.	Diff. from Normal.	Most in a day.		Number of Days.	Total in Hours.	Diff. from Normal.	Per Cent.	Diff. from Normal.
			A	B			Max.	Date.	Min.	Date.						Ins.	Ins.					
			Max.	Min.																		
		Ft.	°	°	°	°	°	°	°	°	°	°	Ins.	Ins.	Ins.	Date.		Hrs.	Hrs.	%	%	
8. ENGLAND, S.W.- (continued)	Forest of Dean	200	—	—	—	—	—	—	—	—	—	—	44.4	—	1.48	Aug. 28th	178	—	—	—	—	
	"	900	—	—	—	—	—	—	—	—	—	—	46.4	—	1.65	Oct. 16th	199	—	—	—	—	
	p Cardiff	208	55.0	43.1	49.1	- 0.7	77	June 20th	18	Jan. 27th	49.9	49.9	72	47.2	+ 4.5	2.06	June 5th	235	1600	—	36	—
	a Swansea	24	56.5	45.3	50.9	—	79	July 31st	23	Jan. 27th	—	—	67	48.4	—	1.09	Aug. 18th	232	1432	—	33	—
	a Shaftesbury	722	54.0	42.4	48.2	+ 0.3	75	July 14th	21	Jan. 27th	49.7	—	—	36.1	+ 2.6	1.60	Oct. 12th	194	—	—	—	—
	a Arlington	613	54.4	42.6	48.5	+ 0.1	78	July 14th	18	Jan. 27th	—	—	—	61.1	+ 8.1	1.90	Oct. 12th	214	—	—	—	—
	a Cullompton	202	57.3	42.6	50.0	+ 0.5	79	June 19th	10	Jan. 27th	51.4	—	83	46.8	+ 11.1	1.25	Aug. 28th	237	1386	- 102	32	- 2
	Torquay	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1770	+ 39	40	+ 1	
	a Weymouth	21	57.0	45.9	51.5	—	77	Aug. 10th	20	Jan. 27th	—	—	—	30.4	—	0.97	Dec. 9th	183	1605	—	38	—
	p Paignton	11	56.5	45.3	50.9	—	73	May 23rd	24	Jan. 27th	—	—	—	41.6	—	1.33	Oct. 27th	201	1746	—	40	—
	p Sheepstor	749	54.4	40.8	47.6	—	75	June 20th	23	Jan. 27th	—	—	—	77.1	—	1.85	Dec. 8th	253	—	—	—	—
	a Newquay	100	55.3	47.2	51.3	+ 0.2	76	July 14th	29	Jan. 27th	52.1	—	—	36.0	+ 1.0	0.99	Dec. 8th	216	1716	+ 29	39	+ 1
	Salcombe	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1745	—	40	—
	a Teignmouth	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
a Fowey	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
a Penzance	54	57.1	47.9	52.5	—	75	May 24th	32	April 2nd	—	—	—	44.4	—	1.06	Oct. 12th	238	1713	—	35	—	
9. IRELAND, N.	p Dunfanaghy	54	53.0	43.1	48.1	—	71	June 16th	22	Jan. 26th	—	—	—	47.2	—	1.33	June 12th	247	—	—	—	—
	p Dublin (Glasnevin)	67	55.1	41.7	48.4	- 0.1	74	July 12th	16	Jan. 27th	—	—	133	34.6	+ 5.8	1.55	Jan. 27th	221	—	—	—	—
	a Kingstown	42	54.8	44.6	49.7	—	73	June 16th	22	Jan. 27th	—	—	—	31.8	—	1.52	Jan. 27th	196	1531	—	35	—
	p Clongowes Wood College	245	54.6	39.6	47.1	—	76	June 20th	18	Jan. 27th	—	—	122	35.3	—	1.15	June 20th	227	1350	—	31	—
10. IRELAND, S.	a Mountmellick	253	54.9	41.4	48.2	—	80	July 13th	15	Jan. 27th	—	—	—	38.9	—	1.95	June 20th	219	—	—	—	—
	p Newcastle (Co. Wicklow)	256	54.1	42.6	48.4	—	71	July 14th	20	Jan. 22nd	—	—	—	41.7	—	2.20	Aug. 1st	208	—	—	—	—
	a Kilkenny	212	55.3	42.0	48.7	- 0.4	77	July 14th	18	Jan. 30th	—	—	—	37.4	+ 4.1	1.58	Aug. 14th	241	—	—	—	—
	a Cahir	199	55.4	42.5	49.0	- 0.2	77	July 14th	20	Nov. 17th	—	—	—	42.8	—	1.31	Jan. 24th	247	—	—	—	—
11. ENGLISH CHANNEL	a Foynes	108	54.8	44.1	49.5	+ 0.1	78	July 14th	20	Jan. 27th	—	—	—	44.9	+ 6.0	0.92	Dec. 15th	294	—	—	—	—
	a Ballinacurra	34	56.1	43.4	49.8	—	74	July 10th	26	Jan. 27th	—	—	—	39.6	—	1.33	Dec. 15th	210	1370	—	31	—
	a Guernsey (Villa Carey)	180	57.1	47.3	52.2	+ 0.4	79	June 20th	32	Jan. 27th	—	—	—	44.3	+ 6.7	1.67	Oct. 13th	216	1794	- 86	41	- 2

NOTES ON THE STATISTICAL TABLES.

Hours of Observation.—The following types are used to indicate the hours of observation at Stations included in Table A:—Clarendon, Normal Climatological Stations—I, 9 a.m. [II, 3 p.m.], III, 9 p.m. (Esksdalemuir 10 a.m., 4 p.m., 10 p.m.). Black Capitals, telegraphic reporting normal climatological stations—I, 7 a.m., II, 1 p.m., III, 9 p.m. Roman, telegraphic reporting stations—I, 7 a.m., [II, 1 p.m.], III, 6 p.m. Italic, auxiliary climatological stations—I, 9 a.m. only, at Colmonell and Ventnor 3 p.m. The summaries are based on observations made three times a day wherever the data are available, except in the case of the element pressure (see below). At stations shown in clarendon type the maximum and minimum temperatures are read at 9 p.m.; at the remaining stations these observations are made at I. In Table B the letters *a* and *p* indicate whether the readings of the maximum and minimum are taken at the hours of morning or evening observation.

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 annual distribution of pressure is prepared. The values given in the tables are for station level. The values printed are (1) for stations shown in clarendon type, the means of observations at 9 a.m. and 9 p.m.; (2) for stations shown in Capitals, the means of observations at 7 a.m., 1 p.m., 9 p.m.; (3) for stations shown in Roman type, the means of observations at 7 a.m. and 6 p.m.; (4) for stations shown in italic type, the means of observations at 9 a.m. The column headed C gives the correction for diurnal variation required to reduce the means of observations at fixed hours to true diurnal means, based on the analysis of the values obtained at the four observatories for the period 1871-1905. The difference from normal 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 mean of the estimates of the "amount of cloud" at the fixed hours of observation is less than 2, and as an "overcast" day if the mean is greater than 8. Days of Ground Frost.—A day is counted as a "Day of Ground Frost" if it follows a night on which the minimum has sunk to 30° or less.

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. 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. (At Brighton, Plymouth and Southport the equivalent values are obtained from a Dines Pressure Tube Anemometer.)

Averages.—The normal 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. For Greenwich and Oxford, averages for longer periods are used. (See Notes in Monthly Weather Reports for 1908.) 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 whole year, 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 Normal" were computed.

Aberdeen, Falmouth, Kew, Valencia, Oxford, 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 normal averages are also given.

Royal Observatory, Greenwich.—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 12, the number of persistently cloudless days was 0, the number of persistently foggy days was 0.

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 A and B. The annual 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 annual mean values for districts for "amount of cloud" are computed from the data for all stations included in Table A. 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.

fairly numerous again in many parts of the kingdom, and during May and June they were very numerous and widespread, reported by one or more observers on 55 days. Many of the storms of this period were very severe, and occasioned considerable material damage and some loss of life. A peculiarity of many of these storms was that in numerous places they produced only small quantities of rain, or none at all, while others brought with them tropical downpours. The disturbed electrical conditions were maintained until July 3rd. After this date there was a great falling off both in the frequency and the severity of the storms. Many neighbourhoods were visited on August 3rd, 4th, 5th, 14th and 15th, but September was almost as barren as March. On October 1st there were numerous records over the area from Yorkshire to the Isle of Wight and the Channel Islands, the remainder of the year being marked by only a few sporadic cases.

5. *Dry Periods.*—Notwithstanding the unusually frequent rainfalls, the year had several spells of dry weather. In many parts of England a rainless period set in about the middle of March and lasted into the opening days of April. A large number of places had no rain for 16 or more days, Worcester Lodge, Forest of Dean, 22 days, and Cuckfield 24 days. Numerous other stations had only one or two trifling showers during this period. The second half of May was marked over a considerable area by either no rain or only a slight shower or two in ten to twelve days. In spite of the numerous thunderstorms of June there was little or no rain over a wide area in the first three weeks, none on 14 days at Bethesda, 15 days at Lincoln, 18 days at Skegness, and 19 days at Hovingham Hall. There was a similar experience between July 5th and 22nd, when many parts of Wales, Ireland and Scotland had magnificent weather, 14 rainless days in succession. Deerness, Orkney, had only 0.1 in. in 19 days, and Shetland $\frac{3}{4}$ in. during the month. September was a record month for dryness, many observers measuring a little rain on only 2 or 3 days, so that a large proportion totalled less than 0.2 in. for the month, Portsmouth less than 0.1 in. Even Seathwaite, the wettest station in the kingdom, had only 1.4 in. or 10 in. less than the average. At Prestwich there were 22 consecutive rainless days. This dry spell continued in many localities until October 10th, at Armagh and York until the 16th.

6. *Temperature.*—During the year there were few maximum temperatures of 80° and above. On May 20th Lincoln, Norwich and Rauceby touched 80°, and Hillington 83°. The warmest days were June 19th and 20th, when Hillington and Raunds rose to 83°, and Camden Square and Maidenhead to 84°. July 13th and 14th had some isolated instances of 80° and 81°. The most remarkable warmth of the year occurred in Shetland on August 6th, when the thermometer touched 77° at Balta Sound, and 82° at Sumburgh Head, the latter being 12° above the previous highest recorded in the locality. The Orkneys were not affected by this singular local visitation.

Over practically the whole kingdom the coldest period was January 26th to 28th, when temperature fell below 20° at the majority of stations, to 10° and under at a considerable number, to 0° at Kilmarnock, —5° at West Linton, and —10° at Balmoral. Scilly had a minimum of 35° on April 4th, the only other stations that did not pass below 32° being Falmouth, Penzance and Guernsey.

At Balmoral the range of temperature amounted to 90°, and at Kilmarnock and West Linton to 80°, against 39° at Falmouth, Scilly and Deerness. For the entire year the mean temperature in nearly all places differed less than $\frac{1}{2}$ ° from the normal. (For distribution of Mean Temperatures, see Map 3, p. cxxxv.)

7. *Bright Sunshine.*—The duration of bright sunshine was variable. At Blackpool there was an excess of 218 hours, at Fort Augustus of 127, at Stornoway of 112, and at Llandudno of 108, whereas at Jersey there was a deficiency of 188 hours, at Cirencester and Southampton of 148, at Hillington of 144, and at some other stations of more than 100 hours. The largest aggregate totals were in Guernsey, 1,794 hours (41 per cent. of the possible) at Villa Carey, and 1,773 hours (40 per cent.) at Brooklyn, several other southern stations between Newquay and Felixstowe

returning more than 1,700 hours. Some urban stations had less than 25 per cent. of the possible, Manchester City 982 hours, and Whitworth Park 976 hours (22 per cent.), and Newcastle-on-Tyne 933 hours (21 per cent.). One of the principal sunshine features of the year was the exceptional dullness of July over a great part of England, Margate returning 102 hours of sunshine, Geldeston 112, and Greenwich 123 less than the average. Ireland, western Scotland and north-western England at the same time had brilliant weather, Armagh an excess of 61 hours, Phoenix Park 63, and Markree Castle 86 hours. (For distribution of Bright Sunshine, see Map 4, p. cxxxv.)

8. *Fog.*—The diminution in the frequency and intensity of inland fog, so noticeable in recent years, was maintained during 1910, there being no reports of any unusual visitations. In November it was fairly frequent in some localities, while neighbouring observers noted uncommon freedom from it.

On the coasts it was rather frequent in all seasons, and at times very dense, interfering with navigation. During a very dense fog on the south-western coasts between April 17th and 19th, the Atlantic liner *Minnehaha* ran on the rocks at Scilly.

9. *Barometer.*—The mean pressure for the year was everywhere below the normal, by 0.02 in. at Scilly, and 0.04 in. at Stornoway, but by as much as 0.08 in. in some places, 0.09 in. at Dungeness. The values indicated a low pressure area from Shetland across to Iceland, barometer below 29.75 in., and a relatively high area on the Continent, above 29.95 in. Only in October did the mercury rise to or above 30 $\frac{1}{2}$ in., touching 30.81 in. at Sumburgh Head on the 14th. There were numerous instances of readings below 29 in., the lowest, 28.14 in., being recorded at Blacksod Point on February 20th. At some Channel stations the range of pressure was 1 $\frac{1}{2}$ in., but at most stations it exceeded 2 in., 2.5 in. at Malin Head and Blacksod Point. On December 16th a barometric fall of 0.22 in. was registered at Bidston Observatory in half-an-hour; and at Stonhurst Observatory 0.07 in. in 20 minutes, and 0.07 in. in the next 10 minutes. (For Mean Pressure distribution, see Map 1, p. cxxxv.)

10. *Floods.*—Owing to the very persistent wet weather of February, rain falling on 25 to 28 days at a large number of stations, much land was under water in many parts of the country. Much damage was occasioned by a flood in the Esk Valley, Yorkshire, as the result of a tropical downpour in a thunderstorm of terrific violence on May 8th. In County Clare a great flood was caused by a heavy rainstorm on July 28th, when 1.5 in. of rain fell at Mount Callan, most of it in about an hour. Between August 23rd and 28th serious floods were reported in Scotland, following very heavy rains. Nearly all rivers in the southern half of England overflowed their banks consequent upon the almost daily rains of November and December, the flooded areas being unusually extensive.

12. *Earthquakes.*—A slight shock of earthquake was felt at Oban on July 27th; a heavy shock at Scilly at 8.2 a.m. on October 30th. In the middle of December the influence of severe earthquakes in distant countries was felt in this country on the 13th and 14th, at Cardiff, West Bromwich, Glasgow, etc.

13. *Aurora Borealis.*—Aurora was most frequently reported during March, one of the least windy months of the year. It was moderately frequent in January, October and November; rarely observed in other months.

14. *Black Rain.*—At St. Asaph, North Wales, on June 4th, the rain collected, 0.4 in., was very black.

15. *Observations in the Upper Air.*—In the Weekly Weather Report details have been published of 174 ascents of kites or captive balloons, 29 pilot balloons, and 85 registering balloons. Of the latter 70 reached the advective region. The greatest heights attained were, with kites 1,700 metres from Brighton on August 28th, with pilot balloons 17 kilometres from Pyrtan Hill on March 16th, and with registering balloons 22 kilometres from Manchester on April 14th. The lowest temperature observed was 205° A. or —68° C. at 13 and 14.4 kilometres on January 6th, in an ascent from Pyrtan Hill.

Mean Sea Temperatures in Degrees Fahrenheit, 1910.

PLACE.		FOR 13 PERIODS OF 4 WEEKS, BEGINNING JANUARY 2nd, AND ENDING DECEMBER 31st.												QUARTERS OF 13 WEEKS.				EXTREME.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	YEAR.	HIGH-EST. LOW-EST.	
Jan. 2-20.	Jan. 30-Feb. 26.	Feb. 27-Mar. 26.	Mar. 27-Apr. 23.	Apr. 24-May 21.	May 22-June 18.	June 19-July 16.	July 17-Aug. 13.	Aug. 14-Sept. 10.	Sept. 11-Oct. 8.	Oct. 9-Nov. 5.	Nov. 6-Dec. 3.	Dec. 4-Dec. 31.	Jan. 2-April 3.	April 4-July 2.	July 3-Oct. 1.	Oct. 2-Dec. 31.					
SCOTLAND, N.	Lerwick	42.2	41.5	42.7	43.8	45.6	49.1	52.3	54.7	55.0	52.0	49.8	45.3	44.4	42.2	47.2	54.0	46.9	47.6	56	40
	Kirkwall	39.6	39.6	40.9	42.2	43.7	50.7	52.9	54.9	54.6	52.2	49.7	41.7	43.3	40.3	46.8	53.9	45.4	46.6	56	35
	Wick	43.8	42.0	42.4	43.3	45.4	49.0	50.8	52.7	53.6	53.0	51.5	47.1	45.4	42.8	46.8	52.8	48.4	47.7	54	41
SCOTLAND, E.	Cromarty	39.9	38.2	41.2	43.2	45.7	51.7	56.6	57.7	56.5	54.3	50.3	42.1	41.2	40.0	48.6	56.4	45.2	47.6	60	31
	Pennan Bay	39.9	40.2	41.0	43.4	45.6	53.4	53.2	55.5	54.5	52.9	49.4	40.9	41.2	40.6	48.6	54.3	44.6	47.0	59	31
	Aberdeen, Cove Bay	40.9	39.9	40.8	42.3	45.7	49.4	52.2	54.3	55.1	54.3	52.5	45.7	45.5	40.6	46.9	54.4	48.4	47.6	56	34
ENGLAND, N.E.	Burnmouth, Berwick	38.9	37.7	39.6	41.4	43.7	47.2	51.2	53.3	53.9	52.2	49.9	43.8	43.3	38.9	45.1	53.0	46.1	45.8	56	36
	Scarborough	40.7	40.3	41.7	42.8	45.0	49.5	53.4	56.1	55.6	54.5	51.9	44.9	44.0	41.0	47.1	55.3	47.5	47.7	62	35
	Shipwash Lightship	41.2	40.7	43.6	44.0	48.2	54.1	58.6	60.6	62.0	59.5	56.4	47.0	45.7	41.0	50.7	60.5	50.4	50.9	64	38
ENGLAND, E.	Margate	41.9	41.3	44.1	46.7	50.4	58.7	60.9	62.0	62.4	59.3	55.0	44.3	45.4	38.8	53.9	61.2	49.1	50.8	66	36
ENGLAND, S.E.	Eastbourne	43.4	41.8	44.1	46.1	50.2	57.8	60.4	62.0	62.4	58.7	55.9	46.8	47.0	43.2	53.3	61.1	50.6	52.1	64	40
SCOTLAND, W.	Lamlash	44.6	42.9	43.7	44.9	45.9	51.6	55.0	54.5	54.4	54.2	52.8	49.1	47.0	43.8	48.8	54.5	50.0	49.3	60	41
ENGLAND, N.W.	Ballantrae	43.1	42.0	42.8	44.3	46.4	51.0	53.5	54.8	56.2	54.4	49.5	44.8	44.9	42.7	48.4	55.0	47.0	48.3	57	40
	Port Erin	45.5	43.7	44.6	45.2	46.7	50.3	53.7	55.6	57.0	55.8	52.9	49.2	48.0	44.6	48.4	55.9	50.4	49.8	59	40
	Newquay	47.9	47.7	48.2	49.0	50.6	57.0	60.3	62.0	61.5	59.6	56.7	52.4	48.5	48.0	53.6	61.2	53.0	54.0	63	45
ENGLAND, S.W.	Scilly	—	—	—	—	—	53.7	55.7	56.9	57.9	56.7	54.1	50.4	49.7	—	—	57.1	51.6	—	63	—
	Plymouth	47.0	47.1	48.0	48.3	50.1	55.8	57.0	57.9	60.2	56.1	53.4	53.9	50.1	47.4	52.5	58.2	52.6	52.7	62	45
	Salcombe	47.0	46.5	46.8	47.2	49.7	54.3	57.9	57.6	58.8	58.3	55.0	50.8	49.2	46.8	51.6	57.8	52.2	50.9	61	43
IRELAND, N.W.	Sheephaven	45.2	43.5	44.7	46.8	48.2	56.1	57.3	58.4	58.8	57.5	53.1	46.6	45.8	44.6	51.7	58.2	49.2	50.9	61	43
	Teelin	43.5	42.8	44.1	47.1	49.6	55.7	59.5	59.4	58.9	57.5	52.4	47.8	46.0	43.8	52.4	58.8	49.4	51.1	68	37
	Cleggan	43.5	42.7	43.9	45.9	48.5	54.6	57.5	57.6	57.4	55.7	51.3	46.3	44.9	43.6	51.0	57.3	48.1	50.0	68	40
IRELAND, S.W.	Seafield	46.2	45.5	46.4	48.1	50.7	55.0	59.7	59.8	59.4	57.2	52.2	47.8	46.6	45.2	53.0	59.2	49.5	52.0	65	42